Submission ID	05-01000				Ref ID CS-1000				
Title	Distally B with Larg	Distally Based Peroneus Brevis Rotation Flap in a Tongue-Type Calcaneus Fracture with Large Soft Tissue Deficit							
Submit Date	10/14/2024								
Correspondent	Last Name:	Leyk							
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	Practice/Com	pany/Residenc	y Program:	Hennepin He	althcare				
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Purpose	This case stud large calcanea postoperative	ly reviews a dis Il soft tissue de noncompliance	stally based peroneus brevis rota ficit after a tongue-type calcane e and calcaneal osteomyelitis.	tional flap with us fracture with	a split thickness skin graft (STSG) to cover a soft tissue necrosis complicated by				
Methodology									
Procedures	40-year-old si postoperative rotational flap	noker sustaine falls and nonce with a STSG	d a tongue-type calcaneus fractu ompliance resulting in incision d and circular external fixator was	re with soft tiss lehiscence and utilized for fin	ue necrosis that was complicated by calcaneal osteomyelitis. A peroneus brevis al wound closure.				
Results	Patient under with an incision resulted in a la final wound c clinic January	Patient underwent urgent ORIF of the tongue-type calcaneus fracture August 2022 and presented 2 weeks postoperatively with an incision dehiscence and exposed hardware. He underwent repeat debridements for his calcaneal osteomyclitis that resulted in a large soft tissue deficit. A peroneus brevis rotational flap and STSG with an external fixator was utilized for final wound closure September 2022. He healed uneventfully and returned to regular shoe gear July 2023 and returned to clinic lanuary 2024 for unrelated complaints.							
Discussions	Tongue-type of peroneus brev plastic surger limb salvage t	calcaneus fracti ris rotational fla y colleagues. C that was compl	ures carry a 21% risk of soft tiss ap is a robust flap not commonly ur case study demonstrates the t icated by calcaneus osteomyeliti	ue compromise / described in fouse of this routi is.	and a 3% below the knee amputation risk. A oot and ankle literature when compared to our ne plastic surgery technique for lower extremity				
Format	Case Study								
Case Rpt Followup	16								
Student Club									
Classification	Trauma								
Level of Evidence	Level IV								
Authors/Financial Di	sclosures								
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Submission ID	05-01005				Ref ID CS-1005				
Title	Midfoot C Report	harcot Re	econstruction Utilizin	g A 3-Dimen	isional Custom Implant: A Case				
Submit Date	10/14/2024								
Correspondent	Last Name: Full Name:	Yoakim Michelle K.	Yoakim, DPM, AACFAS	Email:	michelleyoakim@gmail.com				
	Practice/Comp	any/Residenc	y Program:	Newport Adv Program	anced Foot & Ankle Surgery Fellowship				
Authors	Author 1: Author 3: Author 5: Author 7:	Michelle K. Robert A. Bi	Yoakim, DPM, AACFAS urdi, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Callie LH. Morlock, DPM, AACFAS				
Purpose	Treating acute and achieve a p titanium impla	Treating acute Charcot neuroarthropathy with foot and ankle collapse is challenging. The primary goal is to restore stability and achieve a plantigrade foot. This case report demonstrates the successful use of a custom 3-dimensional (3D) printed titanium implant for arthrodesis in Charcot neuroarthropathy management.							
Methodology									
Procedures	In March 2023 puncture woun debridement, a follow-up and bone biopsies t external fixatio cuboid-sparing	In March 2023, our patient presented with sepsis and group B streptococcus necrotizing fasciitis, secondary to coral puncture wound. Despite recommendation for below-knee amputation, he chose limb salvage. He underwent irrigation and debridement, a four-compartment fasciotomy, and negative pressure wound therapy. He required close infectious disease follow-up and wound care, including grafts. In June 2023, an acute Charcot event with Lisfranc joint dislocation prompted bone biopsies that confirmed osteomyelitis. Staged reconstruction included tarsal bone excision, bone cement, multiplanar external fixation with computer-guided distraction, and subtalar and calcaneocuboid joint fusions with custom 3D-printed cuboid-sparing titanium midfoot implant.							
Results	A staged proce limb salvage. A and weakness	A staged procedure involving implantation of a custom 3D-printed cuboid-sparing midfoot implant resulted in successful limb salvage. At 15-months post-presentation, he retained a functional leg with no open wounds. Although deconditioning and weakness were anticipated, he is now able to safely proceed with physical therapy and regain strength.							
Discussions	The custom im deformities. A compared to tr reduces malali	The custom implant enabled precise anatomical reconstruction, addressing the structural collapse and instability of Charcot deformities. A stable plantigrade foot was achieved with no complications, suggesting superior biomechanical outcomes compared to traditional methods. While long term studies are needed to explore outcomes, we believe customization reduces malalignment and hardware failure risks, offering lone-term stability.							
Format	Case Study								
Case Rpt Followup	15								
Student Club									
Classification	Rearfoot and A	Ankle Reconst	ruction						
Level of Evidence	Level IV								
Authors/Financial D	isclosures								
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Submission ID	05-01007	05-01007 Ref ID CS-1007						
Title	Unique pr	Unique presentation of cutaneous larva migrans: A Case Report						
Submit Date	10/13/2024							
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Purpose	Cutaneous lar rarely encount that have rece causing windi hookworm car	Cutaneous larva migrans, a skin infestation caused by the ancylostoma duodenale and nectar americanus hookworm is rarely encountered in the United States. It is important for physicians to be able to recognize parasitic infections in patients that have recently traveled from tropical regions. This hookworm is known to burrow into the skin on the top of the foot causing winding and serpiginous pruritic rash on the top of the foot. Without prompt diagnosis and treatment, the hookworm can lead to a pruritic self limiting rash if not properly treated.						
Methodology								
Procedures	This case stud Dominican Re dorsal and pla leading to the cutaneous larv	This case study documents the rare presentation, diagnosis and treatment of a 21 year old male with recent travel to Dominican Republic who presented to the emergency room with a pruritic rash mimicking pustular tinea pedis to the right dorsal and plantar foot along with sand flea bites to the extremities. Serpiginous lesions were noticed the following day leading to the diagnosis of cutaneous larva migrans. Diagnosis was then confirmed by infectious disease confirming cutaneous larva migrans.						
Results	Patient was tre	eated with a do	ose of ivermectin and clotrimazol	e				
Discussions	Cutaneous lar proper, effecti including trav treatment reco	Cutaneous larva migrans is rarely seen in the United State, however physicians must be aware of the presentation to ensure proper, effective treatment for these patients. It is critical to perform through history and physical examinations also including travel history. Patients who are promptly treated with extraction, identification of the parasite and appropriate treatment recover without persistent infection or deformities long term.						
Format	Case Study							
Case Rpt Followup	12							
Student Club								
Classification	Wound Care/I	nfectious Dise	ases					
Level of Evidence	Level IV							
Authors/Financial Di	sclosures							
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Submission ID	05-01008					Ref ID CS-1008		
Title	Fish Skin Source Co	Xenograf ontrol	ts in the Manageme	nt of Gas Gaı	ngrene Foot l	Infections Following		
Submit Date	10/13/2024							
Correspondent	Last Name:	Seymour						
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	Author 7:			Author 8:				
Purpose	Explore the us infections.	sage of fish sk	in xenograft in patients with	wounds following	g surgical manager	ment of gas gangrene		
Methodology								
Procedures	Gas gangrene Immunocomp population. Au angiogenesis a immunocomp following app infections.	infections of t romised states n immunocom and fibroblast romised patier lication of fish	he lower extremity can be d such as diabetes mellitus ha promised state can make he production leading to a stag its, the greater the likelihood s skin xenografts in patients	evastating and lead ave a higher rate of aling these large so nant chronic woun d of recurrent infect with open wounds	t to wounds follow f mortality as com off tissue deficits c d. The long a wou tion. This case sen following surgica	wing source control procedures. pared to the general challenging due to insufficient und remains open in ries observed time to healing al management of gas gangrene		
Results	Six patients w age. Prevalent application. C fish xenograft went on to hea weeks to 32 w	Six patients were included in the case series with a total of 8 gas gangrene infections. Age ranged from 35 to 61 years of age. Prevalent comorbidities included diabetes, CKD, PAD, and hypertension. Source control obtained prior to graft application. Culture directed antibiotic regimen provided following discharge from initial hospitalization. Application of fish xenografts ranged from 1-5 applications with 3-4 weeks between application. Seven of the eight cases of gas gangrene went on to heal with xenograft application. One patient had unknown healing. Complete wound healing ranged from 14 weeks between the sevent of the se						
Discussions	There is a lack infections. Fis following sou	k of literature of sh skin xenogra rce control pro	exploring options for soft tis afts appear to be a viable op ocedures.	sue wounds follow tion to decrease the	ving source contro e amount of time a	ol procedures for gas gangrene a wound remains open		
Format	Case Study							
Case Rpt Followup	12							
Student Club								
Classification	Wound Care/I	nfectious Dise	ases					
Lovel of Evidence	Level IV							
Level of Evidence	Leveliv							
Authors/Financial D	isclosures							
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Submission ID	05-01010					Ref ID CS-1010		
Title	Overcoming th Following Cru	he Tri Ish Inj	fecta: Addressin jury and Compa	g Non-Uni irtment Sy	ion in th yndrome	e Tobacco Dependent Patient		
Submit Date	10/13/2024							
Correspondent	Last Name: Hutc	hinson						
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	Practice/Company/R	Residenc	y Program:	Me	emorial Hea	lthcare System		
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Purpose	Soft tissue injuries e compartmental press tissues and exacerba ultimately hindering compartment syndro following crush inju	Soft tissue injuries especially following high-energy trauma, can lead to inflammation and swelling, increasing intra- compartmental pressure. When accompanied by fractures, the risk escalates as bone fragments may disrupt surrounding tissues and exacerbate swelling. Smoking further complicates this scenario. Circulation is impaired, reducing oxygen, and ultimately hindering the healing process. The interplay of these factors can create an environment conducive to compartment syndrome along with non-union. This case study will document successful treatment of fracture non-union following crush injury and compartment syndrome in a tobacco dependent patient.						
Methodology								
Procedures	A tobacco dependen fracture following cr	t patien rush inju	t who developed compary is included in this s	artment syndro tudy.	ome of the l	eft foot, along with isolated medial malleolar		
Results	Non-union of ankle following delayed fi	Non-union of ankle fracture in a tobacco dependent patient, healed using electrical bone stimulation and immobilization following delayed fixation due to compartment syndrome.						
Discussions	The interplay betwee approach to patient r While many non-uni procedures.	The interplay between smoking, fracture healing, and compartment syndrome underscores the need for a comprehensive approach to patient management. By understanding the challenges posed by smoking, complications are better anticipated. While many non-unions can be treated with rest and immobilization, others require bone stimulation and additional procedures.						
Format	Case Study							
Case Rpt Followup	20							
Student Club								
Classification	Trauma							
Level of Evidence	Level IV							
Authors/Financial Di	sclosures							
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Submission ID	05-01012				Ref ID CS-1012					
Title	Interposit Autologo Series	Interpositional Arthroplasty of the Fourth and Fifth Tarsometatarsal Joint with an Autologous Gastrocnemius Aponeurosis Graft. A Surgical Technique Guide and Case Series								
Submit Date	10/14/2024									
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Purpose	Operative ma normal anator novel, joint m with an avera	Operative management of lateral column osteoarthritis remains controversial as the current techniques require violation of normal anatomy or implantation of a foreign body. This case series and surgical technique guide demonstrates use of a novel, joint motion preserving surgical technique capable of resolving fourth and fifth tarsometatarsal osteoarthritis pain with an average of 30 months of follow up.								
Methodology										
Procedures	Fifteen patien arthroplasty f	Fifteen patients from January 2016 to December 2020 underwent a novel gastrocnemius aponeurosis interpositional arthroplasty for treatment of fourth and fifth tarsometatarsal joint osteoarthritis.								
Results	Six patients re lateral column osteoarthritic require re-ope	Six patients returned for follow-up three years after their initial operation for unrelated complaints with resolution of their lateral column pain and no patients were lost to follow-up. All patients had discharged from clinic with resolution of their osteoarthritic pain. One complication was encountered in the setting of non-compliance on anti-coagulation that did not require re-operation. No neuritis, calf weakness, graft subsidence or dislocation was observed.								
Discussions	Operative ma motion of the degenerative for lateral col motion presen subsidence ar	Operative management of symptomatic lateral column osteoarthritis remains challenging to treat due to the required motion of the joint. Arthrodesis of the lateral column remains controversial in an otherwise healthy patient experiencing degenerative changes from overuse, and should not be done as an isolated procedure. Literature suggests that indications for lateral column arthrodesis are limited to patients with neuropathic foot deformity. No study has demonstrated a joint motion preserving surgical technique that does not violate adjacent tendons or introduce a foreign body at risk for subsidence and dislocation into the iont.								
Format	Case Study									
Case Rpt Followup	30									
Student Club										
Classification	Forefoot Rec	onstruction								
Level of Evidence	Level IV									
Authors/Financial Di	isclosures									
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Submission ID	05-01015				Ref ID CS-1015				
Title	Anatomic La Surgical Tech	Anatomic Lateral Ankle Reconstruction with Tendon Allograft. A Case Series and Surgical Technique Guide							
Submit Date	10/14/2024								
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	Practice/Company/	Residen	cy Program:	Hennepin He	althcare				
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	Author 5:			Author 6:					
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Purpose	This case series an withstanding repea	id surgica at injuries	l technique guide demonstr , preserves normal anatomy	rates a new lateral an y, and offers numero	kle ligament reconstruction construct capable of us points of fixation.				
Methodology									
Procedures	Twenty-two ankles semitendinosus all	Twenty-two ankles from January 2016 to December 2020 underwent a novel lateral ankle ligament reconstruction using a semitendinosus allograft after a failed Brostrom-Gould.							
Results	Eleven patients rec injury and all but o Patients returned to were lost to follow	quired Mi one const o regular /-up.	RI postoperatively, ranging ruct remained intact. Three shoe gear on average by 11	4 - 65 months posto postoperative comp weeks. The average	peratively, after sustaining a new lateral ankle ications required return to the operating room. follow-up was 30 months and three patients				
Discussions	Anatomic reconstr literature. Current irritation and const implementing mult	ruction of technique truct failu tiple poir	the lateral ankle ligaments es offer a single point of fix ire. The current report displ tts of fixation without comp	remains a topic of d ation on the fibula, a ays a new lateral and promising native ana	ebate with numerous techniques described in the although this raises concern for peroneal tendon cle ligament reconstruction technique tomy.				
Format	Case Study								
Case Rpt Followup	30								
Student Club									
Classification	Rearfoot and Ankle	e Recons	truction						
Level of Evidence	Level IV								
Authors/Financial D	isclosures								
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Submission ID	05-01016				Ref ID CS-1016	
Title	Knee-Ank Foot after	le Spannin Sciatic Nei	g External Fixator in ve Injury	the Setting	of Knee Contracture and Drop	
Submit Date	10/13/2024					
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	Author 7:			Author 8:		
Purpose	Two-year case contracture wit	report displayin h concurrent di	ng the use of a knee-ankle span op foot from gunshot wound to	ning external to sciatic nerve.	ixator for the management of a severe knee	
Methodology						
Procedures	16-year-old ma The treatment i	le with a signif	icant knee-contracture and dro plication of a knee-spanning ex	p foot followir sternal fixator	g sciatic nerve injury secondary to a gunshot. with gradual correction.	
Results	16-year-old ma fixator to corre removal the pa follow-up.	16-year-old male underwent gradual correction over a course of 10-12 weeks utilizing a knee-ankle spanning external fixator to correct the severe knee contracture as well as to prevent ankle contracture while undergoing correction. After the removal the patient was ambulating pain free in an ankle foot orthosis with no recurrence of deformity at the two-year follow-up.				
Discussions	Gradual correc osteotomy, whi and prevents ar promotes soft t physical therap	Gradual correction using an external fixator offers an alternative for treating contractures compared to soft tissue release or osteotomy, which can lead to significant complications. This method minimizes the risk of acute soft tissue stretch injuries and prevents anterior joint compression. It allows for the gradual mechanical extension and realignment of the knee which promotes soft tissue lengthening and reduces the likelihood of contracture recurrence. When combined with comprehensive physical therapy, this approach can enhance functional outcomes in individuals.				
Format	Case Study					
Case Rpt Followup	24					
Student Club						
Classification	Neurological/P	eripheral Nervo	e Disorders			
Level of Evidence	Level IV					
Authors/Financial Di	isclosures					
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Submission ID	05-01020			Ref ID CS-1020				
Title	Oblique (Oblique Closing Wedge Osteotomy for Tailor Bunion Deformity: A Case Series						
Submit Date	10/13/2024							
Correspondent	Last Name:	Sweeney						
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	Practice/Com	pany/Residency Program:	Fellow, Defo Fellowship	ormity Correction and Advance Surgical Skills				
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	Author 3:	Chuda M. Rijal	Author 4:	Mahima J. Mahida				
	Author 5:	Lee M. Hlad, DPM, FACFAS, Director	Author 6:					
	Author 7:		Author 8:					
Purpose	This poster de an oblique clo	This poster documents a case series of 8 patients (10 feet) who underwent correction of a tailor bunion deformity utilizing an oblique closing wedge osteotomy of the fifth metatarsal.						
Methodology								
Procedures	A series of 7 j underwent co	patients (8 feet) presented with an abnormal I rrection utilizing an oblique closing wedge at	M 4-5 angle, late the apex of defe	eral deviation angle, and/or 5th MPJ angle ormity of the fifth metatarsal.				
Results	8 procedures metatarsal wi with no adjun no recurrence	were performed on 7 patients with an oblique th fixation via a interfragmentary screw and n ctive procedures were able to be weight beari of the deformity and were ambulating pain fi	closing wedge of eutralization pla ng immediately. ree with no comp	osteotomy at the apex of deformity in the fifth te technique. Patients who underwent correction All patients at their most recent follow-up had plications.				
Discussions	In conclusion deformities th were ambulat	, the oblique closing wedge osteotomy is an a tat are present in a tailor bunion. The above c ing pain free with no complications and no re	lternative and ef ase series advoca currence in defo	fective procedure for treating the variable ates for the use of this osteotomy as all patients rmity at most recent follow-up.				
Format	Case Study							
Case Rpt Followup	12							
Student Club								
Classification	Forefoot Reco	onstruction						
Level of Evidence	Level IV							

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Submission ID	05-01023					Ref ID CS-1023		
Title	Managem Extrusion	ent and Out : A Case Rej	tcome Following Rein port	nplantation	of a Poster	ior Total Talus		
Submit Date	10/13/2024							
Correspondent	Last Name: Full Name: Practice/Com	Morlock Callie, LH., Mo any/Residency I	prlock, DPM	Email: Advanced Foo	clhmorlock@g t and Ankle Cer	mail.com ter		
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Purpose	Total talar disl represents a ra anatomy and c (AVN), infecti discernible lor	Total talar dislocation, characterized by talar displacement from the tibiotalar, talocalcaneal, and talonavicular joints, represents a rare injury resulting from high-energy trauma to an inverted and plantarflexed foot. The complex talar anatomy and delicate blood supply, predisposes these injuries to significant complications, including avascular necrosis (AVN), infection, and arthritis. This case report highlights successful replantation of a posteriorly extruded talus, with no discernible long-term neurovascular compromise or evidence of talar AVN.						
Methodology								
Procedures	The patient pr horizontal lace deep deltoid re and underwen PDS suture.	The patient presented following a fall from an eight-foot ladder onto concrete. Examination revealed a five-centimeter horizontal laceration to the posterior medial rearfoot, posterior extruded talus, lateral process avulsion fracture, complete deep deltoid rupture, and absent sensation within the tibial nerve distribution. The patient received intravenous antibiotics and underwent debridement with immediate talar reimplantation. Deep deltoid rupture was meticulously repaired with 2-0 PDS suture.						
Results	Reimplantatio complete resto joint without v activities of da	Reimplantation yielded excellent clinical results at greater than one year, characterized by the absence of AVN and complete restoration of sensory function. Pain and anticipated post-traumatic arthritis were observed within the subtalar joint without varus malalignment, necessitating subtalar joint arthrodesis. Despite this, the patient successfully resumed all activities of daily living and ambulates without the need for assistive devices.						
Discussions	The severity o posterior extru to highlight ou	f initial fracture of sion injuries are ar treatment proto	displacement/dislocation has the rare with no standardized trea bool which resulted in proper r	he greatest effect tment to minimi earfoot position	et on developing ize AVN risk. Th ing with no mal	AVN. However, total talar nus, we present this case report alignment or AVN.		
Format	Case Study							
Case Rpt Followup	17							
Student Club								
Classification	Trauma							
Level of Evidence	Level IV							
Authors/Financial D	isclosures							
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):		
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Submission ID	05-01024 Ref ID CS-1024							
Title	Retrograde Femoral Nail Implications in Diabetic and Neuropathic Trauma							
Submit Date	10/13/2024							
Correspondent	Last Name: Full Name: Practice/Com	Leo Trenton Leo pany/Residenc	, DPM y Program:	Email: Ohio Foot an	TLEO@kent.edu d Ankle Specialists			
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Purpose	Illustrate the v primary and r	versatility and evisional ankle	effectiveness of retrograde femo e trauma.	ral nails for dia	betic and neuropathic patients in the setting of			
Methodology								
Procedures	Two patients of comorbidities secondary tran included rate procedure was infection, hard	Two patients underwent TTC fusion with a retrograde femoral nail for a primary and revision ankle fracture . BMI, comorbidities, vascular status, ambulatory status, and follow up time were evaluated. Inclusion criteria was primary or secondary trauma to the affected extremity. Exclusion criteria included charcot neuroarthropathy. Studied outcomes included rate of clinical and radiographic union, infection, ulceration and amputation over 12 months. A successful procedure was defined as return to preoperative level of activity and absence of major complication (post-operative infection, hardware removal, hardware failure).						
Results	Both procedur procedure. Th from 33.2 -64 mellitus, and status portrayo	Both procedures were deemed successful as patient were able to use their extremity for transfer within 6 weeks of the procedure. The average age was 70.5 years old at the time of procedure. Both of the patients were female. BMI ranged from 33.2 -64.4 kg/m ² . Comorbidities included CHF, CKD, atrial fibrillation, neurofibromatosis, type II diabetes mellitus, and COPD Both patients used their lower extremity for transfer prior to injury. Both patients had normal vascular status portraved by non-invasive vascular studies.						
Discussions	Complex ankl necessitates th viable alternat stability which	e fractures, par ne exploration tive to the tradi h subsequently	rticularly in high-risk population of innovative treatment options. itional TCC nail, but also enhand can lead to early weight-bearing	ns such as diabe This study dem ces clinical outo g and return to a	tic, neuropathic, and obese patients, constrates that femoral nails serve not only a somes by allowing improved distal fixation and adequate function.			
Format	Case Study							
Case Rpt Followup	14							
Student Club								
Classification	Trauma							
Level of Evidence	Level IV							
Authors/Financial Di	sclosures							
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Submission ID	05-01028				Ref ID CS-1028		
Title	Rip-Stop Technique in Anterior Talofibular Ligament Repair						
Submit Date	10/14/2024						
Correspondent	Last Name: Full Name:	Seymour McKayla R S	Seymour	Email:	mckayla.seymour5@gmail.com		
	Practice/Com	pany/Residenc	y Program:	Macon & Joan Dominion Uni	n Brock Virginia Health Sciences at Old iversity		
Authors	Author 1:	William Sim	on, DPM, FACFAS	Author 2:			
	Author 3:			Author 4:			
	Author 5:			Author 6:			
	Author 7:			Author 8:			
Purpose	Review rip-ste ligament.	op technique p	reviously described in shoulder	literature as a pi	imary repair method for the anterior talofibular		
Methodology							
Procedures	There are many different types of techniques utilized to repair the ATFL including suture anchors, pants over vest technique, or anatomic repairs. When the remaining ligament is of poor quality and a simple interrupted or mattress suture technique is utilized suture pull-through can occur leading to suture failure. Utilizing a rip-stop technique previously described in shoulder literature allows the surgeon to lock the suture on itself preventing suture pull-through. This case study reviews the rin-stop technique utilized in 5 natients.						
Results	Two anchors of fibers of the A Lastly the sutt tied off. This patients when	Two anchors with 1-2 sutures each are placed along the distal aspect of the fibula. The sutures are passed parallel to the fibers of the ATFL toward the talus. Next, the suture is ran 90 degrees to the initial throw, perpendicular to the ATFL fibers. Lastly the suture is ran parallel to the ATFL fibers back toward the fibula locking the suture in place and at this point hand tied off. This is complete 2-4 times while the foot is held in eversion to reconstruct the ATFL. No reoccurrence seen in 5 rations when the rine-to technique was utilized.					
Discussions	The rip-stop t to be complet ankle as has p	echnique is a v ed to determine reviously been	riable option to prevent suture pu e if there is increased pull out str a documented in shoulder literatu	ull through when rength observed ure.	n repairing the ATFL. Comparative studies need with the rip-stop technique when used in the		
Format	Case Study						
Case Rpt Followup	12						
Student Club							
Classification	Rearfoot and	Ankle Reconst	ruction				
Level of Evidence	Level V						
Authors/Financial Dis	sclosures						
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):		
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Submission ID	05-01031				Ref ID CS-1031		
Title	Repair of Case Repo	Traumatic ort	e Extensor Hallucis Lo	ngus Tendo	on Rupture by Stingray Injury: A		
Submit Date	10/14/2024						
Correspondent	Last Name: Full Name:	Yoakim Michelle K.	Yoakim, DPM, AACFAS	Email: Newport Adv	michelleyoakim@gmail.com anced Foot & Ankle Surgery Fellowship		
	Practice/Comp	oany/Residenc	y Program:	Program			
Authors	Author 1: Author 3: Author 5: Author 7:	Michelle K. Raquel K. St	Yoakim, DPM, AACFAS agino, DPM, MS, FACFAS	Author 2: Author 4: Author 6: Author 8:	David J. Haupt, DPM, FACFAS		
Purpose	While superfice particularly in rupture follow	cial lower extra the foot, are ra ring stingray in	emity wounds from stingray inj arely reported. We present a uni njury including our treatment str	uries are relative que case of com ategy.	ely common, complete tendon lacerations, plete extensor hallucis longus (EHL) tendon		
Methodology							
Procedures	A 38-year-old Beach, Califor paresthesias. I exploration re membrane gra	healthy male s mia. Following maging confir vealed degener ft to minimize	sustained an acute EHL tendon g direct sting to the dorsal foot, med full-thickness EHL rupture ration and fraying. Surgery incl adhesion formation, and optim	rupture from a s he experienced with retraction uded end-to-end ize the repair's s	tingray injury while surfing in Huntington complete loss of dorsiflexion with first ray and extensive tenosynovitis. Surgical I tendon repair, reinforced with an amniotic strength and flexibility.		
Results	At 3 months p complete reso without recurr	At 3 months postoperatively, following immobilization, protected weight-bearing, and physical therapy, the patient had complete resolution of symptoms and restored dorsiflexion. By 36 months, he demonstrated full functional recovery without recurrence of symptoms or complications.					
Discussions	Previous report tissue necrosis trauma and po penetrate deep recognizing the cases of comp	Previous reports of stingray injuries typically describe full-thickness skin penetration with subsequent inflammation and tissue necrosis. However, complete tendon rupture is rarely documented. Stingrays in shallow waters can cause significant trauma and pose an injury risk to beachgoers. Stingray barbs are known to cause significant soft tissue trauma and can penetrate deeply into structures such as tendons, as observed in this case. This case highlights the importance of recognizing the potential for tendon injury in stingray envenomation and underscores the need for timely surgical repair in cases of complete laceration.					
Format	Case Study						
Case Rpt Followup	36						
Student Club							
Classification	Trauma						
Level of Evidence	Level IV						
Authors/Financial Dis	sclosures						
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Submission ID	05-01035				Ref ID CS-1035			
Title	Primary H	Primary Fusion Following Traumatic Pilon Fracture: A Case Report						
Submit Date	10/15/2024							
Correspondent	Last Name:	Yoakim						
	Full Name:	Michelle K.	Yoakim, DPM, AACFAS	Email:	michelleyoakim@gmail.com			
	Practice/Comj	oany/Residenc	y Program:	Newport Adv Program	anced Foot & Ankle Surgery Fellowship			
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	Author 5:			Author 6:				
	Author 7:			Author 8:				
Purpose	Pilon fractures comminution, to high compl management of strategy for a pilon fractures	s, involving di and soft tissu- ication risk lik of post-trauma proader subset	stal tibia intra-articular disru e injury. Optimal managemen e infection and non-union. T tic osteoarthritis. However, r of pilon fractures. This case	ption, are frequent at remains debated, raditionally, ankle ecent literature sug report demonstrate	y associated with significant displacement, with staged approaches generally favored due arthrodesis has been reserved for late-stage gests its potential as a primary treatment es the successful use of primary arthrodesis for			
Methodology								
Procedures	Our patient pr fibular fractur ligamentotaxis anterior plate	Our patient presented with a closed, comminuted, and displaced intra-articular tibial pilon fracture with associated Weber C fibular fracture following a fall from height in July 2023. Initial management involved delta-frame stabilization and ligamentotaxis due to the presence of hemorrhagic blisters. Definitive treatment included primary ankle arthrodesis using anterior plate fixation, supplemented by intramedullary K-wire fibular stabilization, later removed during follow-up.						
Results	At 15 months and no signs of score showed	At 15 months post-operatively, the patient demonstrated successful ankle fusion with a stable, pain-free, plantigrade foot and no signs of adjacent joint arthritis. Functional assessment using the American Orthopaedic Foot and Ankle Society score showed significant improvement, consistent with reported outcomes.						
Discussions	While primary rates, ranging reduction and treatment, war	While primary ankle arthrodesis for pilon fracture management remains controversial, recent studies report high fusion rates, ranging from 90-100% with fewer complications, and improved functional outcomes when compared to staged open reduction and internal fixation. Despite limited long-term data, emerging evidence supports primary arthrodesis as a viable treatment, warranting further exploration in larger, prospective studies.						
Format	Case Study							
Case Rpt Followup	15							
Student Club								
Classification	Trauma							
Level of Evidence	Level IV							
Authors/Financial D	isclosures							
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Submission ID	05-01036				Ref ID CS-1036
Title	Case Study Cyst	– Flexor	Digitorum Longu	s Tendon Entr	apment Secondary to Ganglion
Submit Date	10/15/2024				
Correspondent	Last Name: C	Guerrero			
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	Practice/Company	ny/Residency	Program:	Main Line F	Iealth - Bryn Mawr Hospital
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	Author 3: S	Siyeon Hwan	ng, DPM	Author 4:	Louis Ciliberti, DPM
	Author 5:			Author 6:	
	Author 7:			Author 8:	
Purpose	Ganglion cysts as study presents a r	re commonly	y found in the dorsal foot nce of flexor digitorum lo	, while those located ongus (FDL) tendon	in the plantar foot are less frequent. This case entrapment secondary to a plantar ganglion cyst.
Methodology					
Procedures	A ganglion cyst i usually the joint extremity. A 52-y base of the left so extension, and ac Lisfranc ligamen	is a cystic les capsule or te year-old fem econd and th dditionally n tt." Despite c	sion with a thin wall cont endon sheath. It is commo ale presented with worse iird digits. She reported d oted numbness. MRI find conservative treatment, he	aining synovial like only found in the har ning left foot pain fo iminished range of n lings revealed a "1.5 rr symptoms persiste	fluid. The cyst originates from connective tissue, d and wrist, though it can also occur in the lower r three months. The pain was localized to the notion (ROM) to these digits, primarily with $x \ 1$ cm likely ganglion cyst plantar to the d, and the patient elected to undergo surgery.
Results	The patient under tissue mass. The operatively, the p	rwent neuro mass was co patient report	ma excision of left foot, a onsistent with a ganglion ted decreased pain and in	as well as a plantar n cyst, and its removal aproved ROM to her	nidfoot fasciotomy with excision of a deep soft freed the FDL tendon from entrapment. Post- digits.
Discussions	This case highlig conditions. Given foot, despite their	ths the impo n the unusua r relatively l	ortance of obtaining a tho al presentation, clinicians ow incidence.	rough history and ut should also consider	ilizing MRI for differentiating soft tissue the possibility of ganglion cysts in the plantar
Format	Case Study				
Case Rpt Followup	12				
Student Club					
Classification	Soft Tissue/Tume	or			
Level of Evidence	Level V				
Authors/Financial D	visclosures				
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Submission ID	05-01044			Ref ID CS-1044
Title	Tibial Sesamoid Fr	acture Core Decompres	sion with l	k-wire Fenestration
Submit Date	10/14/2024			
Correspondent	Last Name: Dang Full Name: Alex Dang, Practice/Company/Residen	DPM cy Program:	Email: MedStar Was	alex.dang@medstar.net hington Hospital Center
Authors	Author 1: Alex Dang, Author 3: Author 5: Author 7:	DPM	Author 2: Author 4: Author 6: Author 8:	Justin Lewis, DPM, FACFS
Purpose	Non-union of a tibial sesan requires surgical interventic metatarsophalangeal joint p	noid fracture is a condition charac on. Such a condition can result in pain.	terized by failu generalized ha	re in sesamoid bone healing and ultimately llux pain, avascular necrosis, and first
Methodology				
Procedures	A 26-year-old healthy fema months. A clinical exam re- conservative treatment with clinic visit demonstrated no decompression with k-wire the fracture site, first MPJ a	le presented with right foot pain l vealed pain with dorsiflexion and a offloading in a CAM boot for th o evidence of any healing of the sc fenestration and augment with B arthrotomy were performed	ocalized to the plantarflexion e last 3 months esamoid fractur MAC harvest a	first metatarsophalangeal joint for over 6 of the right hallux. The patient has failed i. Repeat MRI compared to MRI from the initial re consistent with a nonunion. Sesamoid core and inject mesenchymal stem cells (MSCs) into
Results	Complete resolution of the	tibial sesamoid fracture with sign	ificant reduction	on in pain level
Discussions	nonunion of a sesamoid fra understanding of the condit studies have explored the e literature utilizing fenestrat approach than the traditiona	cture can contribute to pain with 1 ion along with early diagnosis an ffectiveness of k-wire fenestration ion for nonunion tibial sesamoid al sesamoid ORIF and sesamoided	the range of mo d prevention ca i in promoting fracture. Fenes ctomy.	otion of the MPI. A comprehensive an lead to appropriate management. Several osseous union. However, there is no recent tration offers an alternative and less invasive
Format	Case Study			
Case Rpt Followup	12			
Student Club				
Classification	Trauma			
Level of Evidence	Level IV			
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Submission ID	05-01047			Ref ID CS-1047				
Title	Synthetic Wound N Injection	fatrix Application in W	ound Secor	ndary to Subcutaneous Xylazine				
Submit Date	10/14/2024							
Correspondent	Last Name: McLean Full Name: David M M Practice/Company/Resider	Iclean, DPM cy Program:	Email: St. Luke's	david.mclean@sluhn.org				
Authors	Author 1:Melissa ShAuthor 3:David M. MAuthor 5:Author 7:	ukla, DPM AcLean, DPM	Author 2: Author 4: Author 6: Author 8:	Kripa Santhosh, DPM				
Purpose	Xylazine, a potent α2-adret relaxant, has gained attenti abuse. While effective in it significant local tissue dam extensive bilateral lower er application of synthetic woo	Xylazine, a potent a2-adrenergic agonist primarily used in veterinary medicine as a sedative, analgesic, and muscle relaxant, has gained attention for its complications when administered subcutaneously secondary to intravenous drug abuse. While effective in its intended therapeutic applications, inadvertent subcutaneous injection of Xylazine can lead to significant local tissue damage, and wound formation. The purpose of this case report is to elucidate on a patient with extensive bilateral lower extremity necrotic wounds secondary to Xylazine injection, with subsequent debridement and application of synthetic wound matrix.						
Methodology								
Procedures	The illicit use of xylazine, significant public health co ability to cause ulcerations bilateral necrotic leg woun synthetic tissue matrix, and	The illicit use of xylazine, an alpha-2 adrenergic agonist primarily used in veterinary medicine, has emerged as a significant public health concern, particularly due to its association with severe ulcerations at injection sites. Xylazine's ability to cause ulcerations is primarily attributed to its vasoconstrictive properties. In this case study, one patient with bilateral necrotic leg wounds underwent multi-staged surgery in the OR for separate debridements with application of synthetic tissue matrix, and subsequent STSG.						
Results	Patient went on to STSG a extremity wounds mostly r	Patient went on to STSG after multiple debridements and applications of synthetic graft. After several months lower extremity wounds mostly resolved, however the patient was lost to follow up.						
Discussions	Ulcerations associated with ulcerations can cause signi high, given the compromis administration.	Ulcerations associated with illicit xylazine use presents several serious clinical challenges to podiatric medicine. These ulcerations can cause significant pain, discomfort, and functional impairment. The potential for secondary infections is also high, given the compromised tissue integrity and the increased risk of introducing pathogens during illicit drug administration.						
Format	Case Study							
Case Rpt Followup	12							
Student Club								
Classification	Wound Care/Infectious Dis	eases						
Level of Evidence	Level IV							
Authors/Financial D	visclosures							
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Submission ID	05-01050				Ref ID CS-1050			
Title	Limb Salv Case	age and Charcot	Reconstruction:	A Hybrid	Surgical Approach in a Complex			
Submit Date	10/14/2024							
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	Author 5:	Alexander Nguyen, D	PM	Author 6:	Gabriel Ocasio Martinez, BS			
	Author 7:			Author 8:				
Purpose	The purpose of surgical appro	f this study is to report o ach.	our experience with lim	b salvage surg	ery and Charcot reconstruction using a hybrid			
Methodology								
Procedures	Case Study: T and swollen ri and initial x-ra be pathologic proximal talar Procedures: O circular extern	Case Study: The patient is a 54-year-old male that presented to Mercy ED on 07/14/2023 with a chief complaint of red, hot and swollen right foot. The patient denied any history of trauma to the right lower extremity. Patient had no open wounds and initial x-rays resulted in age indeterminate fracture dislocation at the base of the fourth and fifth metatarsals which may be pathologic in nature leading to collapse of the plantar arch and medial subluxation of the metatarsals with respect to the proximal talar row. Immediate suspicions for Charcot were raised and an MRI was performed for further evaluation. Procedures: Osteotomy of the navicular, 135 mm medial column beam, 100 mm lateral column beam and application of circular external fixator.						
Results	At one-year p	At one-year post-op, the patient reported overall satisfaction with the surgical treatment and no other pedal complaints.						
Discussions	This case repo positive post-(procedure not the importanc	ort demonstrates the succ operative outcomes and only salvaged the limb b e of early intervention and	cessful use of a hybrid s high patient satisfaction but also preserved the p nd innovative surgical to	urgical approa . By restoring atient's mobili echniques in th	ch for Charcot Foot Reconstruction, leading to alignment and stability in the foot, the ty and quality of life. These results highlight te management of Charcot neuroarthropathy.			
Format	Case Study							
Case Rpt Followup	15							
Student Club								
Classification	Rearfoot and	Ankle Reconstruction						
Level of Evidence	Level IV							
Authors/Financial	Disclosures							
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Submission ID	05-01052				Ref ID CS-1052		
Title	Managing Foot	g Melanom	a: A Multidisciplinary	Approach	to Malignant Melanoma in the		
Submit Date	10/14/2024						
Correspondent	Last Name: Full Name: Practice/Com	Reddy Apeksha Reo pany/Residenc	ddy, DPM, MPH y Program:	Email: HCA Florida	areddy@barry.edu Mercy Hospital		
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Purpose	A multidiscip podiatry, onco tumor behavio	linary approacl blogy, and plast or.	h is crucial for managing maligna tic surgery to optimize treatment	ant melanoma o outcomes, imp	of the foot as it integrates expertise from PCP, rove limb preservation, and address complex		
Methodology							
Procedures	Most melanomas occur on UV exposed sites, however, a small percentage can occur on sun-protected sites such as the plantar foot (Cho et al, 2021). Patient with 24 months of established care with her podiatrist presented with recurring melanoma to previous graft site of the left plantar foot. Due to the irregular margins, surgical oncology and plastic surgery were consulted for management of the melanoma. After resection of the melanoma, patient had wound vae applied to the plantar foot prior and after the split-inckness skin graft (STSG). Within weeks, the graft adhered to the skin and the patient was able to ambulate and resume daily activities.						
Results	After wide res with a 4.2mm of wound vac	After wide resection of melanoma to the plantar fascia, pathology showed no metastasis. The tumor was Clark's level 4 with a 4.2mm Breslow thickness and margins were melanoma-free. STSG was applied and secured, followed by 3 weeks of wound vac therapy. The graft fully healed, and the patient resumed ambulation at six weeks.					
Discussions	Few reports e aggressive res was able to re	xist of melanor ection and foll sume ambulati	ma arising at a skin graft site, and low-up. Through a multidisciplin on and heal within six weeks wit	l none showing ary approach o hout complicat	recurrence. This case underscores the need for f managing malignant melanoma, the patient tions.		
Format	Case Study						
Case Rpt Followup	24						
Student Club							
Classification	Soft Tissue/T	umor					
Level of Evidence	Level IV						
Authors/Financial Di	sclosures						
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Submission ID	05-01056				Ref ID CS-1056			
Title	Bone Ma	rrow Edema	Core Decompression	with K-W	ire Fenestration			
Submit Date	10/14/2024							
Correspondent	Last Name: Full Name: Practice/Com	Dang Alex Dang, DPI many/Residency P	M Program:	Email: Medstar Wasł	alex.dang@medstar.net ington Hospital Center			
Authors	Author 1: Author 3: Author 5: Author 7:	Alex Dang, DPl	M	Author 2: Author 4: Author 6: Author 8:	Justin Lewis, DPM, FACFAS			
Purpose	Bone marrow secondary to joint pain. In warranted to	Bone marrow edema of the metatarsal heads in the setting of chronic low-impact trauma characterized by fluid build-up secondary to bone inflammation. This condition can result in metatarsalgia, avascular necrosis, and metatarsophalangeal joint pain. In instances where delayed healing is encountered after extensive conservative measures, intervention is warranted to prevent further debilitating complications.						
Methodology								
Procedures	58-year-old h ground level treatment wit 2nd and 3rd r decompressio	58-year-old healthy male presented with right 2nd and 3rd metatarsophalangeal joints pain for over 12 months status post ground level fall. Clinical exam revealed pain to palpation of the 2nd and 3rd MPJ. The patient has failed conservative treatment with offloading in a CAM boot, custom orthotics, and physical therapy. MRI shows bone marrow edema in the 2nd and 3rd metatarsal heads consistent with physical exam. A 2nd and 3rd MPJ arthrotomy, metatarsal head decompression with k-wine fenestration and aurenet with BMAC PPP were performed.						
Results	Complete res 12-month vis	olution of bone ma	arrow edema on post-op MR	and no pain wi	th range of motion of the 2nd and 3rd toe at			
Discussions	The metatars edema core d demonstrates	al heads are prone ecompression redu a successful outco	to injury due to a lack of blo uces pressure and increases b ome for a patient with chronic	od supply, thus lood supply to t c pain due to tra	The use of k-wire fenestration for bone marrow he metatarsal heads. This case study umatic injury to the metatarsal heads.			
Format	Case Study							
Case Rpt Followup	12							
Student Club								
Classification	Trauma							
Level of Evidence	Level IV							
Authors/Financial D	isclosures							
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):			
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Submission ID	05-01057 Ref ID						
Title	13-Year Follow-Up I Joint Replacement t	Limb Salvage of a Mala o Antibiotic Nail	aligned Tot	al Ankle Replacement: From			
Submit Date	10/14/2024						
Correspondent	Last Name: Moon Full Name: Zohaib Moor Practice/Company/Residence	n, DPM AACFAS y Program:	Email: Orthopedic Ce	zohaibmoon3@gmail.com enter of Florida			
Authors	Author 1:Maria HidalgAuthor 3:Andrew BeliAuthor 5:Author 7:	go, BS s, DPM FACFAS	Author 2: Author 4: Author 6: Author 8:	Zohaib Moon, DPM AACFAS			
Purpose	The purpose of this study is t complicated with chronic ost subsequent antibiotic-cemen	to document a successful 13-yea teomyelitis utilizing tibiotalocalo t coated intramedullary nail.	r limb salvage o caneal (TTC) ar	of a malaligned total ankle replacement (TAR) throdesis with femoral head allograft and			
Methodology							
Procedures	A 60 year-old female present approach was performed wit antibiotic spacer with extern femoral head allograft and in fusion. In 2018, patient suffe implantation of antibiotic cer intramedullary canal with im	ted to our institution in 2011 with h initial debridement, prosthesis al fixation. After confirming abs- ttramedullary nail fixation. Patie red traumatic injury resulting in ment spacer. Patient subsequentl plantation of antibiotic-cement of	h malaligned TA removal, and a ence of infectio nt healed uneve acute osteomyo y developed cel coated nail.	AR and concomitant osteomyelitis. Staged pplication of vancomycin-impregnated n, TTC arthrodesis was performed with ntfully with radiographs revealing bony elitis, requiring TTC hardware removal with lulitis in 2020, prompting reaming out of the			
Results	6 months after implantation of Patient remains fully ambula of the arthrodesis sites witho	6 months after implantation of the antibiotic cement nail, patient healed uneventfully without further complications or pain. Patient remains fully ambulatory to date at 13-year follow-up. Computed tomography confirms complete osseous bridging of the arthrodesis sites without evidence of infection, subsidence, or resorption.					
Discussions	Total ankle replacement failt complications including high management of failed TAR u along the way. Limb salvage amputation and preserving q	Total ankle replacement failure poses a complex reconstructive challenge for foot and ankle surgeons with devastating complications including high rates of aseptic loosening, malalignment, and infection. Our case study describes successful management of failed TAR using a variety of procedures to manage both chronic osteomyelitis and acute complications along the way. Limb salvage is a feasible option with staged reconstruction and proper infection management, avoiding ammutation and preserving quality of life.					
Format	Case Study						
Case Rpt Followup	156						
Student Club							
Classification	Rearfoot and Ankle Reconstr	ruction					
Level of Evidence	Level IV						
Authors/Financial Dis	sclosures						
Full Name:	Email:	Disclosure(s) selected:		Disclosed Organisation(s):			
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Submission ID	05-01059				Ref ID CS-1059
Title	Periphera Diabetic I	ll Monone Ketoacidos	uropathy in a Pediatric sis (DKA): A Case Repo	Patient Fo rt	llowing Episode of Severe
Submit Date	10/14/2024				
Correspondent	Last Name:	Fahey			
	Full Name:	Kelly Fahey	DPM	Email:	kelly.fahey@aah.org
	Practice/Com	pany/Residenc	y Program:	Surgery Resid	rist Medical Center Podiatric Medicine and lency Program
Authors	Author 1:	Kelly Fahey	DPM	Author 2:	Andrew Silman DPM
	Author 3:	Eyad Xoubi	DPM	Author 4:	Patrick Sanchez DPM
	Author 5:			Author 6:	
	Author 7:			Author 8:	
Purpose	The purpose of delineate pote	of this case rep ential pathogen	ort is to highlight a rare complicates.	ation of diabetion	c ketoacidosis in the pediatric population and
Methodology					
Procedures	Peripheral mo reported in the hypothyroidis ketoacidosis (noneuropathy e pediatric pop m who develo DKA).	is a rare complication of diabetic pulation. We report a case of a 14 ped numbness and tingling to the	ketoacidosis; year old femal right foot follo	only a small number of cases have been e with PMHx of type I diabetes mellitus and owing treatment for severe diabetic
Results	Upon arrival a found to have drip at 0.1 uni tingling to the tarsal tunnel, s	at an outside he a glucose of 1 its/kg, and broa right foot. Rig soft tissue mas	ospital, the patient was noted to b ,135, HbA1c of 10.5, K+ of 6.0, ad-spectrum antibiotics were initi ght foot and ankle MRI imaging c s, or osseous abnormality. Additi	e tachypneic w venous blood p iated. Podiatry demonstrates n onal etiologies	vith Kussmaul respirations. The patient was H of <6.8, and WBC of 34.0. IV fluids, insulin was consulted for evaluation of numbness and o evidence of space-occupying lesion in the of peripheral neuropathy were ruled out.
Discussions	The patient w Recommenda supplementati illustrates a ra outlining the p	as seen by phy tions upon disc ion, outpatient ire complication pathogenesis, p	vical therapy and gradual improv charge included daily supplement follow-up with pediatric endocris on of DKA in the pediatric popula prevention, and treatment options	rement in symp tation with alph nologist, and o ttion. This case for this compl	toms was noted throughout her admission. aa-lipoic acid and vitamin B1, B6, and B12 utpatient neurology consultation. This case reaffirms the need for additional research ication of DKA.
Format	Case Study				
Case Rpt Followup	12				
Student Club					
Classification	Neurological/	Peripheral Ner	rve Disorders		
Level of Evidence	Level IV				
Authors/Financial D	isclosures				
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):
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Submission ID	05-01060				Ref ID CS-1060				
Title	Traumati	ic Bunion fr	om a Motorcycle	Accident: A ca	se study.				
Submit Date	10/15/2024								
Correspondent	Last Name: Full Name: Practice/Com	Adorno River Linet E. Ador npany/Residency	ra no Rivera, DPM ⁷ Program:	Email: Morristown	linet.adornorivera@gmail.com Medical Center				
Authors	Author 1: Author 3: Author 5: Author 7:	Linet Enid Ad Skylar Acker Alisha Joshi,	dorno Rivera, DPM BA DPM	Author 2: Author 4: Author 6: Author 8:	Maryellen Brucato, DPM, FACFAS Steven Cohen, DPM				
Purpose	Hallux abduc etiologies eitl secondary to to report a su	Hallux abductovalgus (HAV) is one of the common pathologies seen in the foot and ankle. HAV deformity has different etiologies either from a biomechanical instability or neuromuscular disease. However, it's rare to encounter cases of HAV secondary to a traumatic injury as cases in literature have been overlooked and underreported. The purpose of this case is to report a subtle lisfranc injury with development of a painful bunion deformity 5 months after a motorcycle accident.							
Methodology									
Procedures	We present a metatarsal fra severely incre fractures of th of the 2nd the	39 y/o smoker a actures 2-4 and t eased intermetat he metatarsal ne rough 4th metata	and opioid dependent mal raumatic dislocation of th arsal angle, chronic hallu cks 2 through 4. Patient u ursals.	e who suffered a mo ne first MPJ resulting x fracture, subtle dis underwent a 1st MPJ	torcycle accident, leading to lisfranc sprain, g in HAV. Pre-operative radiographs display placement of the TMT joint, and healed fusion, and 1st, 2nd, 3rd TMT fusion and ORIF				
Results	After reconst management the VAS scale	After reconstructive procedure patient utilized bone stimulator to aid in healing along with follow up with the pain management team. Successful decrease in IM angle and reduction of TMT joint was achieved. Patient reported 0 pain on the VAS scale and ability to return to pre-accident activity level.							
Discussions	There are put osteotomies v traumatic HA	blished cases of which resulted in V deformity suc	traumatic HAV that were n inadequate reduction of ccessfully treated with do	treated with soft tiss deformity. This case uble arthrodesis.	sue procedures as well as isolated proximal e study highlights an example of the rare				
Format	Case Study								
Case Rpt Followup	12								
Student Club									
Classification	Trauma								
Level of Evidence	Level IV								
Authors/Financial D	Disclosures								
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-01061				Ref ID CS-1061				
Title	Concurrent Corticotomy	Concurrent Treatment of Painful Brachymetatarsia of Metatarsals 3 and 4 by Corticotomy and Gradual Callus Distraction: A Case Report.							
Submit Date	10/14/2024								
Correspondent	Last Name: Ev	vans							
	Full Name: Pa Practice/Company	aul M. Evar y/Residency	ns, DPM / Program:	Email: Hennepin He	paul.evans@hcmed.org althcare				
Authors	Author 1: Pa Author 3: Author 5: Author 7:	aul M. Evar	as, DPM	Author 2: Author 4: Author 6: Author 8:	Kimberly L. Bobbitt, DPM, FACFAS				
Purpose	To report the indic metatarsals.	To report the indications, surgical technique, and outcome of concurrent treatment of brachymetatarsia of adjacent metatarsals.							
Methodology									
Procedures	Gradual callus dis of over 10-15 mm a 27 year old fema fissure. Conservat underwent cortico callus distraction.	straction has a of shorten ale with con tive care, su otomy of me We are pre	s been well reported for isolate ing. There is limited literature agenital brachymetatarsia of th tach as shoe gear modification, tatarsals 3 and 4 with applicat senting a technique for applica	d single metatar when correcting e bilateral 3rd ar arch supports, ar ion of external f tion of multiple	sia and is supported for correcting deformities multiple metatarsals simultaneously. Patient is id 4th metatarsals with a painful plantar deep id OTC analgesics failed. Patient then ixator, pinning of toes, followed by gradual mini-rails in adjacent metatarsals.				
Results	The patient was do weightbearing as t peroneal tendoniti	oing well a tolerated in is after adva	t the most recent follow up wit regular shoe gear 7 weeks s/p ancing weight bearing status, a	h maintained, sa hardware remov nd is now ambul	tisfactory correction. Returned to 'al. Completed physical therapy for mild lating in regular shoe gear without complaints.				
Discussions	This case study de distraction with go	emonstrates ood outcom	that a patient can undergo simes, and without increased risk	ultaneous corrector of complications	ction of multiple short metatarsals by callus s.				
Format	Case Study								
Case Rpt Followup	23								
Student Club									
Classification	Forefoot Reconstr	ruction							
Level of Evidence	Level IV								
Authors/Financial D	isclosures								
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-01062 Ref ID CS								
Title	Treatment of Ta Ankle Replacer	Treatment of Talar Avascular Necrosis and Ankle Arthrosis with Total Talus and Total Ankle Replacement Using a Custom Tibial Component: A Case Study							
Submit Date	10/14/2024								
Correspondent	Last Name: Navee	ed							
	Full Name: Anoos Practice/Company/Re	shay Naveed, DPM esidency Program:	Email: a. Detroit Medical (naveed1504@gm Center	ail.com				
Authors	Author 1: Erik C Author 3: Author 5:	C. Kissel, DPM, FACFAS	Author 2: A Author 4: Author 6:	nooshay Naveed,	DPM				
Purpose	This case study presented total talus-total ankle	This case study presents what may be the first reported case of advanced talar AVN successfully treated with combined total talus-total ankle replacement with a custom tibial component.							
Methodology									
Procedures	Advanced avascular n of the tibial articular s preserving treatment useful option to comb traumatic peritalar dis arthrosis of the subtal replacement with a cu	Advanced avascular necrosis of the talus is a challenging problem to treat, especially in the case of concomitant arthrosis of the tibial articular surface. Combined total ankle and total talus replacement has recently been used as a motion-preserving treatment option. Given advances in 3D printing technology, custom manufactured tibial components may be useful option to combine with the total talus implant. The patient described here was a 32-year-old male with a history of traumatic peritalar dislocation 16 months prior to presentation and subsequent AVN of the talus. He presented with severe arthrosis of the subtalar and ankle joints and mostly used crutches for ambulation. He underwent total talus and total ankle replacement with a custom stemmed tibial component.							
Results	The patient had an un follow-up.	The patient had an unremarkable postoperative course and was fully ambulatory without significant pain at 12 months follow-up.							
Discussions	While total ankle-tota surgical intervention a an example of using t with extra tibial fixati medium and long term	. While total ankle-total talus replacement is still a new concept in foot and ankle surgery, it is the only motion-preserving surgical intervention available for patients whose disease is beyond treating with core decompression. This case provides an example of using the same CT scans obtained for creation of the total talus to create a perfectly sized tibial component with extra tibial fixation. More study is required to see if custom designed tibial components offer an advantage over the medium and long terms.							
Format	Case Study								
Case Rpt Followup	12								
Student Club									
Classification	Rearfoot and Ankle R	leconstruction							
Level of Evidence	Level IV								
Authors/Financial D	visclosures								
Full Name:	Email:	Disclosure(s) selected:		Dise	closed Organisation(s):				
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Submission ID	05-01066			Ref ID CS-1066				
Title	Intramedullary Delivery of Antibiotic-Impregnated Resorbable Bone Substitute Containing Calcium Sulfate and Hydroxyapetite for the Treatment of Residual Osteomyelitis in Multiple Tarsal and Metatarsal Bones							
Submit Date	10/14/2024							
Correspondent	Last Name:	Robinson						
	Full Name:	Patrick M. Robinson, DPM, MS	Email:	patrick.robinson1@bswhealth.org				
	Practice/Com	pany/Residency Program:	Baylor Scott Veterans Aff	t and White Medical Center and Central Texas fairs Hospita				
Authors	Author 1:	Patrick M. Robinson, DPM, MS	Author 2:	Sonali R. Lucitt, DPM, MA				
	Author 3:	Dy Chin, DPM, MS	Author 4:	Alden L. Simmons, DPM AACFAS				
	Author 5:		Author 6:					
	Author 7:		Author 8:					
Purpose	The primary via a resorbal multiple tarsa this is the firs residual osted	purpose of this single case report is to den ole bone substitute containing calcium sul and metatarsal bones, focusing on the ef t time this novel technique has been implo myelitis.	nonstrate a novel te fate and hydroxyap fficacy, bone healin emented for limb sa	chnique for intramedullary delivery of antibiotic atite in the treatment of residual osteomyelitis in g, and functional outcomes. To our knowledge, llvage for multiple tarsal-metatarsal bones with				
Methodology								
Procedures	Osteomyeliti shown to reso Intramedullar performed in containing ta	s of the foot can be a debilitating condition olve osteomyelitis, recurrence is still a con y antibiotic-coated nails have been used s upper and lower extremity long bones for rsal and metatarsal bones is lacking.	n leading to amputa acern. Another antib since the early 2000 chronic osteomyel	tions. While intravenous antibiotics have been piotic delivery option is intramedullary. s (Paley et al.). This methodology has been itis with low recurrence rates, however literature				
Results	The novel tec demarcated, a require any a with no signs	chnique yielded successful outcomes in ou and the bioabsorbable compound was effe dditional surgical interventions or amputa of residual infection or recurrence.	r patient. The cortic ctively incorporated tions. Radiographic	cal margins of the treated bones were well- d. At the 12-month follow-up, the patient did not analysis showed successful bone regeneration				
Discussions	This novel te approach may validate these	chnique presents a promising proof of com y reduce the need for amputations while p e findings and refine treatment protocols.	ncept in the surgical romoting bone heal	management of chronic osteomyelitis. This ing. Further long-term studies are needed to				
Format	Case Study							
Case Rpt Followup	12							
Student Club								
Classification	Diabetic Foo	t						
Level of Evidence	Level IV							
Authors/Financial Di	sclosures							

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Submission ID	05-01068				Ref ID CS-1068			
Title	Surgical M	Surgical Management of Untreated Cerebral Palsy Forefoot Deformity						
Submit Date	10/14/2024							
Correspondent	Last Name: Full Name:	Somma Jessica	. Dec casar	Email:	jsomma07@gmail.com			
Authors	Author 1: Author 3: Author 5: Author 7:	Brady Biscor	rner, DPM	Author 2: Author 4: Author 6: Author 8:	Jessica Somma, DPM PGY3			
Purpose	Case study pres untreated and no	enting surgic eglected cere	al management of an adult ma bral palsy induced cavus foot v	e with severe fo vith extensor sub	refoot deformity secondary to completely stitution deformity to digits 1, 2, 3, 4, 5.			
Methodology								
Procedures	There are three young. Therefor cases can be ma CP they are trea MPJ arthrodesis	types of CP: re, treatment maged nonop tting, as fixed s, pan metatar	fixed, dynamic, and mixed. CI is generally managed while the eratively, however some cases d and dynamic CP should not b rsal head resection, arthrodesis	P is not a progres patient is young require surgical e treated the sam of PIPJ for digit	sive disease, and muscle imbalances are present g to limit complications in the future. Most correction. The surgeon must know the type of e. Surgical correction was achieved via 1st s 2 and 3, and arthroplasty for digits 4 and 5.			
Results	Patient satisfact the digits anymovia pumice ston	ion achieved ore. Hyperke le for the pati	. Very pleased with both appea ratotic lesions to medial hallux tent. He states he may be intere	rance and function IPJ and submeta sted in removal	onality of foot. Does not report pain to any of tarsal 2, 3 still present however manageable of hardware in the future, but not at this time.			
Discussions	This patient sho treatment option excellent examp progression of t	This patient shows an excellent outcome for this procedure for management of untreated CP pathology in the foot. Most treatment options are focused on younger patients or with prevention of deformities using modifications. This is an excellent example of surgical correction of CP deformity in older patients who have been unsuccessful at managing the progression of the disease.						
Format	Case Study							
Case Rpt Followup	12							
Student Club								
Classification	Forefoot Recon	struction						
Level of Evidence	Level V							
Authors/Financial Di	isclosures							
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):			
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Submission ID	05-01070 Ref ID CS-									
Title	Transver	Transverse Tibial Transport in Patient with Chronic Non-Healing Diabetic Ulcer								
Submit Date	10/14/2024									
Correspondent	Last Name: Full Name: Practice/Cor	McLean David M Mo npany/Residenc	cLean, DPM cy Program:	Email: St. Luke's	david.mclean@sluhn.org					
Authors	Author 1: Author 3: Author 5: Author 7:	Kevin D. We Emily K. Da David M Me	otring, DPM arr, DPM clean, DPM	Author 2: Author 4: Author 6: Author 8:	Michaela M. Bosico, DPM Thomas M Rocchio, DPM					
Purpose	Transverse to and increase across the til vascularized amputation. an alternativ	Transverse tibial transport (TTT), has emerged as a promising technique for promoting wound healing, tissue regeneration, and increased vascularity. This technique involves the controlled application of mechanical forces to induce bone transport across the tibia, creating new bone and soft tissue in the distraction gap. This method stimulates regeneration of vascularized tissue, facilitates wound closure, and ultimately targets limb salvage, reducing the need for proximal amputation. This case report evaluates the outcome of a patient undergoing transmetatarsal amputation (TMA) with TTT as an alternative to proximal amputation, focusing on functional recovery and quality of life.								
Methodology										
Procedures	Diabetic pati amputation (transverse co in the tibia.	Diabetic patient with a non-healing grade 1 ulcer on her left forefoot. Treatment plan consisting of transmetatarsal amputation (TMA) and a transverse tibial corticotomy to improve circulation and wound healing potential. Tibial transverse corticotomy was performed using a MIS technique, involving multiple drill holes creating a rectangular wedge in the tibia. An unilateral external fixator was applied, with distraction after 1 week.								
Results	Study includ salvage. Pati functional as	Study included one patient with chronic diabetic foot ulcer previously offered both a proximal amputation and limb salvage. Patient underwent TMA with TTT and external fixation. Progressed to heal the amputation site, and has since been functional as per her last follow up 4 months post operatively.								
Discussions	TMA with T outcomes an Further resea	TT offers a vial d satisfaction. T arch is needed to	ble alternative to proxi ITT may also preserve o validate these finding	mal amputation in high n more proximal limb strugs and optimize patient s	isk patients, resulting in favorable functional actures and enhance rehabilitation prospects. election.					
Format	Case Study									
Case Rpt Followup	12									
Student Club										
Classification	Diabetic Foo	ot								
Level of Evidence	Level IV									
Authors/Financial D	isclosures									
Full Name:	Email:		Disclosure(s) selected	d:	Disclosed Organisation(s):					
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Submission ID	05-01071 Ref ID CS-1								
Title	Treatment of su	Treatment of superficial peroneal nerve entrapment post ankle inversion injury							
Submit Date	10/15/2024								
Correspondent	Last Name: Baum Full Name: Andre Practice/Company/Re	w sidency Program:	Email: Adventist H	abaum779@gmail.com ealth White Memorial					
Authors	Author 1:BrianAuthor 3:AndreAuthor 5:Author 7:	H. Hong DPM w Baum DPM PGY3	Author 2: Author 4: Author 6: Author 8:	Alex Kramer DPM PGY3					
Purpose	Purpose of the case pr nerve entrapment afte	Purpose of the case presentation is to investigate the clinical presentation and surgical treatment of superficial peroneal nerve entrapment after sustaining an ankle inversion injury							
Methodology									
Procedures	Fibrosis/entrapment o Peroneal nerve imping anterior/lateralankle p diagnostic block into then taken to surgery pre-op.	Fibrosis/entrapment of the Superficial peroneal nerve is an uncommonly reported symptom post inversion ankle sprain. Peroneal nerve impingement can be an extremely difficult pathology to diagnosis clinically. Patient presented with anterior/lateralankle pain for two years post ankle inversion injury, after unremarkable studies patientwas given a diagnostic block into the region of the nerve to which resolution of symptoms occurred for several hours. The patient was then taken to surgery for a decompression neurolysis of the nerve over the area of maximum tenderness that was marked pre-op.							
Results	Resolution of sympton nerve. After fibrotic a their paresthesia symp	Resolution of symptoms was achieved by surgical dissection, mobilization, and decompression of the superficial peroneal nerve. After fibrotic and adhesive tissue was surgically released, the patient fully recovered with complete resolution of their paresthesia symptoms.							
Discussions	Superficial peroneal n injuries. Diagnosis car indicate pathology, the etiology of the sympto full resolution of sympto	Superficial peroneal nerve entrapment is uncommon and often a diagnosis of exclusion that can occur after ankle inversion injuries. Diagnosis can be difficult, with no imaging modalities or nerve conduction studies that are sensitive enough to indicate pathology, the clinician must rely on thorough history and physical exam with a diagnostic block to ascertain the etiology of the symptoms. Once pathology is confirmed, surgical nerve decompression is indicated, in this instance with full resolution of symptoms.							
Format	Case Study								
Case Rpt Followup	12								
Student Club									
Classification	Neurological/Peripher	Neurological/Peripheral Nerve Disorders							
Level of Evidence	Level IV								
Authors/Financial D	isclosures								
Full Name:	Email:	Disclosure(s) selected	:	Disclosed Organisation(s):					
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Submission ID	05-01072 Ref ID C								
Title	Applicati Injury Fo	Application of a 3-Dimensional Implant After Combatting Infection and Traumatic Injury Following a Total Ankle Replacement							
Submit Date	10/14/2024								
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	Author 3:			Author 4:					
	Author 5:			Author 6:					
	Author 7:			Author 8:					
Purpose	Osteoarthritis Conservative creating a stal	Osteoarthritis of the foot and ankle can be debilitating, leading to complete loss of function of the lower extremity. Conservative treatment and surgical intervention using a custom prosthesis can restore stability and appropriate alignment, creating a stable plantigrade foot.							
Methodology									
Procedures	The patient is examination r total ankle rep	a 53 year old mal revealed severe ost placement procedu	e presenting with comp teoarthritis of the ankle ire.	laints of pain due to joint and the subtala	osteoarthritis of the left ankle. Physical r joint. The patient then decided to undergo a				
Results	During the po fractured his spacer placed postoperative treated, she un healed uneven	During the postoperative period, the patient underwent a traumatic injury and he displaced his total ankle joint and fractured his medial malleolus. The patient first underwent a removal of the total ankle replacement and had an antibiotic spacer placed along with open reduction and internal fixation of the medial malleolus fracture. The patient had a postoperative infection which was treated with consults with an infectious disease physician. Once her infection was treated, she underwent surgical intervention for the 3-D custom prosthetic implant with an intramedullary nail. The patient head during the the set of the s							
Discussions	This case hig The left lowe was restored,	hlights the compli- r extremity deform and the patient ha	cations that can be asso nities were finally corre s no infection. At 12 mo	ciated with trauma for cted, the rectus plant onths after surgery, t	ollowing a total ankle replacement procedure. tigrade foot structure of the left lower extremity he patient is ambulating with pain rated at 1/10.				
Format	Case Study								
Case Rpt Followup	12								
Student Club									
Classification	Rearfoot and	Ankle Reconstruc	tion						
Level of Evidence	Level IV								
Authors/Financial D	isclosures								
Full Name:	Email:		Disclosure(s) selected	l:	Disclosed Organisation(s):				
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Submission ID	05-01074 Ref ID CS-1								
Title	Application Neuroart	Application of a 3-Dimensional Implant for Severe Rearfoot Varus and Charcot Neuroarthropathy While Combatting Recurring Infection and Ulcerations							
Submit Date	10/14/2024								
Correspondent	Last Name:	Samant							
	Full Name:	Vikram N Samant		Email:	vsamant@kent.edu				
	Practice/Com	pany/Residency Progra	am:	Corewell Hea	lth - Wayne				
Authors	Author 1:	Vikram N Samant, I	DPM PGY3	Author 2:	Lawrence M Fallat, DPM FACFAS				
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	Author 5:			Author 6:					
	Author 7:			Author 8:					
Purpose	Changes due Conservative stable plantig	Changes due to diabetes mellitus can be debilitating leading to complete loss of function of the lower extremity. Conservative treatment and surgical intervention using a custom prosthesis can restore appropriate alignment, creating a stable plantigrade foot.							
Methodology									
Procedures	The patient is diabetic neuro The patient al was adamant 3-D custom p ankle. Initially to surgery.	a 56 year old female p ppathy as well as radio ready has had previous against receiving any a rosthetic implant, as w y during surgical plann	presenting with complaint graphic changes consister s surgery to the left foot i umputation and she agree ell as a tibiotalocalcaneal ing, she had presented w	ts of an unstabl d with Charcot n which intram d to surgical in l arthrodesis wi ith ulcerations	e left ankle. Physical examination revealed neuroarthropathy with severe rearfoot varus. edullary bone screws are placed. The patient tervention surgery consisting of placement of a th intramedullary fixation of the right foot and and possible osteomyelitis and she was taken				
Results	Bone biopsies surgical inter- surgical site h cultures revea The patient he	Bone biopsies and wound cultures yielded negative results for osteomyelitis. Once her infection was treated, she underwent surgical intervention for the 3-D custom prosthetic implant as planned. Initially postoperatively, while inpatient, her surgical site had dehisced and she was taken back to the operating room for incision and debridement. Intraoperative cultures revealed the presence of Gram negative bacilli for which she was placed on antibiotics through infectious disease. The natient headed uneventfully since then.							
Discussions	The malalign extremity was	The malalignment of the right lower extremity was corrected, the rectus plantigrade foot structure of the right lower extremity was restored. At 12 months postoperatively, the patient is ambulating with pain rated at 1/10.							
Format	Case Study								
Case Rpt Followup	12								
Student Club									
Classification	Rearfoot and	Ankle Reconstruction							
Level of Evidence	Level IV								
Authors/Financial D	Disclosures								
Full Name:	Email:	Dis	sclosure(s) selected:		Disclosed Organisation(s):				
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Lawrence M Fallat, DPM

FACFAS

Submission ID	05-01077				Ref ID CS-1077				
Title	Patient S Arthrode	pecific Pol sis Failure	yetherketoneketone In	plant for	Freatment of Tibiotalocalcaneal				
Submit Date	10/14/2024								
Correspondent	Last Name:	Kennedy							
•	Full Name:	Matthew D	Kennedy, DPM	Email:	kennedy.x.matthew@kp.org				
	Practice/Com	npany/Residenc	ey Program:	Kaiser San I Program	Francisco Bay Area Foot and Ankle Residency				
Authors	Author 1:	Joseph Dick	inson, DPM	Author 2:	Jason Pollard, DPM				
	Author 3:			Author 4:					
	Author 5:			Author 6:					
	Author 7:			Author 8:					
Purpose	To outline the ankle which bone defect.	To outline the case of a patient who suffered severe bone loss due to deep space infection after TCC fusion for Charcot ankle which was treated with IM nailing with patient specific implant made with polyetherketoneketone (PEKK) to bridge bone defect.							
Methodology									
Procedures	58-year-old c who subsequ TTC fusion v was hardward healed, she w (PEKK).	bese diabetic f ently develope vith IM nail, w e removal, abx yas taken back	emale who sustained nondispla d Charcot of the ankle with com hich was complicated by deep h spacer, external fixation and we for revision TTC with IM nail w	ced fibula fract aplete valgus co ardware infect bund vac. After vith patient spe	ure which was treated conservatively in a cast ollapse of the tibial plafond. Patient was taken for ion with significant bone loss. Initial treatment deep space infection and all wounds were cific implant made with polyetherketoneketone				
Results	At four mont show increase	hs post operati ed consolidatio	vely, patient has returned to amb n into PEKK implant space.	oulating in a C.	AM boot, has healed all wounds, and radiographs				
Discussions	PEKK is a po PEKK has a r in sheep com osseous integ present this c	olymer chain co roughly surface paring PEKK t gration. Anothe ase study as an	omposed of monomers of diphet e compared to PEEK which allo o other implanted materials, fou r study in rats, found that PEKK example of limb salvage case v	nyl ether, terep ws for greater and PEKK to h had twice as r with PEKK imp	hthaloyl chloride, and isophthaloyl chloride. osseous integration. A recent comparative study ave higher mechanical strength and more nuch bony ingrowth compared to PEEK. We olant to span significant bone defect.				
Format	Case Study								
Case Rpt Followup	16								
Student Club									
Classification	Rearfoot and	Ankle Reconst	truction						
Level of Evidence	Level IV								
Authors/Financial D	Disclosures		B						
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-01080					Ref ID CS-1080			
Title	We Did Not N	ail It - I	Intramedullary Fibula	ar Nail Infe	ction Case S	Study			
Submit Date	10/14/2024								
Correspondent	Last Name: Gal Full Name: Am Practice/Company/	llagher 1anda, L, G Residency	allagher, DPM Program:	Email: Cooperman Ba	agallagher0306 arnabas Medical	6@gmail.com Center			
Authors	Author 1:AmAuthor 3:AaAuthor 5:Author 7:	aanda, L, G mir, Ahmeo	allagher, DPM I, DPM	Author 2: Author 4: Author 6: Author 8:	Denisse, Velez	DPM			
Purpose	The subsequent ma This case study pre consolidation due t	The subsequent management of post-operative infection with fibula intramedullary nails has not been well documented. This case study presents a staged approach to surgical removal of intramedullary fibular nail prior to fibula fracture consolidation due to postoperative infection.							
Methodology									
Procedures	A 43 year old male construction of tem sulfate/vancomycin fibula fractures trea evaluated that were operatively.	with diabe porary pol n mixture b ated with in treated wi	etes, hypertension, and asthma u ymethyl-methacrylate antibioti ackfill following trauma and in atramedullary fibular nail fixati th intramedullary rod fixation f	underwent stage c rod with threa fection complic on performed in for fibula fractur	d fibula intrame ded K-wire, and ation. In a retros 2023 by Schurr res resulting in 1	dullary nail removal, hydroxyapatite-calcium pective analysis of distal aann et al., 151 patients were .3% of deep infections post-			
Results	After serial operative treated with long te described treatment months following c	After serial operative incision and drainages, final wound cultures grew methylene-sensitive staph aureus. Patient was treated with long term IV antibiotics. Remaining open wound was treated with negative pressure therapy. As a result of described treatment, wounds healed, and painless range of motion of ankle joint was achieved with adequate dorsiflexion 6 months following original fixation.							
Discussions	In various studies, while maintaining J following intramed wound care were ex function and mobil complications.	there is a q proper anat ullary fibu ssential in ity, highlig	uestion regarding proper mana tomical alignment. This case ur lar nail fixation. Prompt surgici achieving full recovery. This ap hting the importance of individ	gement of infect aderscores the co al intervention, opproach manage ualized, multidi	tion status post of omplexity of ma effective antibio d the infection a sciplinary care i	open reduction internal fixation naging deep infection tic therapy, and comprehensive nd preserved the patient's joint n managing such			
Format	Case Study								
Case Rpt Followup	21								
Student Club									
Classification	Trauma								
Level of Evidence	Level IV								
Authors/Financial Di	isclosures								
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):			
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Submission ID	05-01081				Ref ID CS-1081			
Title	S. pyogen Dental Cl	S. pyogenes group A Discovered in Hand and Foot Abscesses Secondary to Recent Dental Cleaning: A Case Report						
Submit Date	10/14/2024							
Correspondent	Last Name: Full Name: Practice/Comj	Wolfe Trenton Wol pany/Residenc	fe, DPM, MBA, PGY-2 y Program:	Email: Mercy Health	twolfe@mercy.com - St. Rita's Medical Center			
Authors	Author 1: Author 3: Author 5: Author 7:	Trenton Wol Darryl Hayc	fe, DPM, MBA, PGY-2 ock, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Justin Snow, DPM, PGY-2 Solomon Beraki, MD			
Purpose	The purpose of abscess of foo hematogenous	The purpose of this case study is to present an unusual occurrence of 5th finger septic arthritis and tenosynovitis (L) and abscess of foot (R) requiring multiple Incision and Drainage, likely secondary to dental cleaning leading to septicemia and hematogenous seeding.						
Methodology								
Procedures	69-year-old fe blistering of h psoriasis. Pati site of origin f by which oral	emale initially er left 5th digi ent reports of for disseminati bacterial infec	presented to ED for right foot sw t. Denies any trauma to the right dental cleaning around 2-3 weeks on of pathogenic organisms to di tious diseases affect systemic dis	elling. She relat foot or left hand ago. Xiaojing e stant body sites. sease.	es that 2 days later, she had left hand swelling, I. Denies any previous diagnoses of gout, RA, et al., related that the oral cavity can act as the Yumoto et al., illustrated two major pathways			
Results	Procedure #1: with Closure. collection note 2 cm Right An	Procedure #1: Left small finger excisional debridement. Procedure #2: Right Foot I&D. Procedure #3: Right Foot I&D with Closure. Interval MRI reveals significant improvement since previous MRI; however, a 1.2 x 1.2 x 1.7 cm fluid collection noted medial to calcaneus. Procedure #4: Right Foot I&D. Procedure #5: Right Ankle I&D Excision of Wound 2 cm Right Ankle. Patient spent total of 29 days in the hospital						
Discussions	Lacking the co entry it's com variation of de	Lacking the commonly associated clinical manifestations of infection including erythema, calor and often clear portals of entry it's common for GAS to be missed on initial presentation. Detailed history to include procedures involving any variation of dental work is of necessity, as shown by the incidence of GAS from the oral cavity site.						
Format	Case Study							
Case Rpt Followup	13							
Student Club								
Classification	Wound Care/I	nfectious Dise	ases					
Level of Evidence	Level IV							
Authors/Financial Di	isclosures							
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):			
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Solomon Beraki, MD	SXBeraki@mer	cy.com	I/We have nothing to disclose					

Submission ID	05-01085				Ref ID CS-1085			
Title	Progressive Techniques for Salvage Surgery in Failed Total Ankle Replacement: Application of PEKK Implant with Anterior Ankle Muscle Flap							
Submit Date	10/14/2024							
Correspondent	Last Name:	Qadri						
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	Practice/Com	pany/Residency Prog	ram:	Medstar Georgetown University Hospital				
Authors	Author 1:	Ali A. Qadri, DPM		Author 2:	Tiffanie Liu, DPM			
	Author 3:	Paul S. Cooper, MI	D	Author 4:				
	Author 5:			Author 6:				
	Author 7:			Author 8:				
Purpose	This case study showcases the use of a custom polyetherketoneketone (PEKK) implant for ankle fusion in a patient with severe arthritis following failed total ankle replacement (TAR) complicated by infection. Total ankle replacement (TAR) is an effective surgical option for severe ankle arthritis, particularly in older adults. However, complications such as failed TARs or infections may require more invasive procedures, often involving femoral head allografts, which carry increased risks. Recent advancements in implant technology, such as custom PEKK implants, aim to improve healing outcomes and reduce complications.							
Methodology								
Procedures	An 83-year-old patient underwent a TAR in 2009, but subsequent subsidence led to two revision TARs by 2015. A severe infection following the last revision necessitated irrigation and debridement (I&D) and the removal of the TAR. Following further interventions, including an antibiotic spacer and a lateral thigh myocutaneous flap procedure, the patient ultimately received a custom PEKK implant with an intramedullary nail during a revision pantalar fusion.							
Results	Successful he	Successful healing was confirmed one year post-surgery with the patient ambulating without any functional limitations.						
Discussions	This case exemplifies the challenges of managing severe ankle arthritis through multiple surgeries, a myocutaneous flap, and post-surgical infection. The successful use of the PEKK implant offers advantages over traditional allografts, including better biocompatibility and mechanical strength. Achieving fusion despite previous infection and a complex surgical history highlights the potential of PEKK technology to improve outcomes. This case underscores the importance of innovative solutions to enhance healing and restore function, emphasizing the need for tailored treatment strategies.							
Format	Case Study	Case Study						
Case Rpt Followup	12							
Student Club								
Classification	Wound Care/Infectious Diseases							
Level of Evidence	Level IV							
Authors/Financial I	Disclosures							
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Submission ID	05-01086			Ref ID CS-1086					
Title	Ankle Pain Unveiled: The Impact of Synovial Chondromatosis								
Submit Date	10/14/2024								
Correspondent	Last Name: Full Name:	Bernard Neil Bernard	l, DPM	Email:	neilbernard36@gmail.com				
	Practice/Com	pany/Residenc	y Program:	Mercy Heal	Mercy Health Regional Medical Center				
Authors	Author 1: Author 3:	Brianna Lac Nikhil Raj, I	h, DPM MS-4	Author 2: Author 4:	Neil Bernard, DPM Andy Orta, DPM				
	Author 5:			Author 6:					
	Author 7:			Author 8:					
Purpose	Ankle pain is a frequently encountered complaint. Synovial chondromatosis is rarely diagnosed as the cause of atraumatic ankle pain. The small loosely encapsulated intra-articular mass of loose bodies can cause arthritis type symptoms in an otherwise healthy joint. We aim to describe the proper workup and treatment.								
Methodology									
Procedures	51 year old male with chronic recurrent right ankle pain relating to activity without precipitating injury. X-rays showed radiopaque bodies grouped into large spheres at the anteromedial aspect of the ankle joint. MRI confirmed multiple intracapsular cartilaginous masses in the ankle. Open synovectomy performed including tarsal tunnel release, ganglion removal, and joint aspiration.								
Results	Path/histo results showed cartilaginous bodies with ossification consistent with synovial chondromatosis. Synovial fluid showed no malignant cells present. Remaining loose bodies within the ankle joint removed after 5 months. Postoperative course without complications.								
Discussions	Synovial Chondromatosis is a benign condition with little published in literature. Occurrence is in the third to fifth decades of life and more common in males (3). Usually begins as an insidious onset, with slow progression of increased pain, swelling, and decreased range of motion to the affected joint. Synovial chondromatosis must be considered in instances of chronic ankle pain. Although benign, recurrence is possible and malignant conversion has been reported. The calcified loose bodies are evident in later stages thus advanced imaging is recommended to fully assess the possibility of radiolucent masses. Histopathologic analysis is important to rule out malignancy (3). A review of published literature shows that excision of loose bodies is the standard for treatment.								
Format	Case Study	Case Study							
Case Rnt Followun	12								
Student Club									
Classification	Soft Tissue/Tumor								
Level of Evidence	Level IV								
Authors/Financial D	isclosures								
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-01092				Ref ID CS-1092				
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Title	Innovative Tale of Tw	e Strategies for 70 Ankle Fusio	Complex Ankle C ns	onditions v	vith Custom PEKK Implants: A				
Submit Date	10/14/2024								
Correspondent	Last Name:	Qadri							
	Full Name:	Ali A. Qadri		Email:	aliqadri631@gmail.com				
	Practice/Comp	pany/Residency Prog	gram:	Medstar Gero	getown University Hospital				
Authors	Author 1:	Ali A. Qadri, DPM		Author 2:	Paul S. Cooper, MD				
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	Author 5:			Author 6:					
	Author 7:			Author 8:					
Purpose	This case stud to deformity/ii While allograf site complicat innovations, so cases.	y highlights the use on nfection. Ankle fusion fts and autografts add ions. Metallic cages uch as custom PEKK	of a custom polyetherketon on for significant bone loss dress bone defects, they car enhance stability but can c C implants, offer potential i	typically employers of important typically employers of important typically employers and the typical	X) implant in two patients with bone loss due oys allografts, autografts, and metallic cages. nune rejection, disease transmission, and donor lding and restrict screw placement. Recent n clinical outcomes for complex ankle fusion				
Methodology									
Procedures	Case 1: A 41-y removal in 20 Case 2: A 61-y fibula, alongsi external fixato and a retrograd	year-old male suffere 20. By 2023, he had year-old male presen ide Charcot arthropat or, he underwent a rej de intramedullary na	d a work-related ankle inju significant joint collapse, l ted with a MRSA-infected thy. After irrigation and del peat I&D. Ultimately, he re il for stabilization.	ary in 2018, fol eading to panta ankle wound, l pridement, follo eccived a panta	lowed by surgical intervention and hardware lar arthrodesis with a custom PEKK implant. eading to osteomyelitis of the distal tibia and owed by the placement of a multiplanar lar arthrodesis using a custom PEKK implant				
Results	Both cases res	ulted in successful fu	usion.						
Discussions	Custom PEKK bone loss. The cages, and enh making PEKK	C implants offer sign by provide superior b nance stability. Their C implants a promisir	ificant advantages over trad iocompatibility without the mechanical properties/ligh ng advancement in ankle fu	ditional method e risks associate tweight nature sion procedure	Is in ankle fusion, particularly for significant ed with grafts, address challenges of metallic contribute to improved patient outcomes, s where bone loss is present.				
Format	Case Study								
Case Rpt Followup	12								
Student Club									
Classification	Rearfoot and A	Ankle Reconstruction	1						
Level of Evidence	Level IV								
Authors/Financial I	Disclosures								
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-01093				Ref ID CS-1093			
Title	Treatmen Transfer:	Treatment of Chronic Wound with Vertical Contour Calcanectomy and Myotendinous Transfer: case report						
Submit Date	10/14/2024							
Correspondent	Last Name:	Volodina						
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	Practice/Com	pany/Residency Pr	ogram:	HMH Jersey	Shore University Medical Center			
Authors	Author 1:	Kseniya Volodin	a	Author 2:	Inshal Malik, DPM			
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	Author 5:			Author 6:				
	Author 7:			Author 8:				
Purpose	Chronic wour management. partial calcane between mult	nds with underlying This case involves ectomy and tendon iple teams.	g osteomyelitis are challengin progression from free tissue repairs illustrates the comple	ng, requiring a transfer and sl exity of this co	multidisciplinary approach for successful kin grafting to managing osteomyelitis with ndition and the extensive collaborative care			
Methodology								
Procedures	48-year-old fe Presented with wound with p	emale with a medic h a chronic wound eroneal rupture.	cal history including poorly c , originating from a pinpoint	ontrolled type i lesion on the la	2 diabetes, obesity and chronic smoking. ateral malleolus, worsened to an unstable, open			
Results	Initial manage osteomyelitis lateralis to the brevis tendom to ongoing ele Osteomyelitis partial calcane biopsies of the hallucis longu	ement included inc on initial biopsies. e left lateral ankle, s. A skin graft was evated WBC could of the calcaneus v ectomy, debrideme e superior and infe ts (FHL) tendon tra	ision/drainage and bone biop The plastic surgery team per along with tendon transfer fr placed over the flap. Subseq , suggestive of infection, and vas suspected based on MRI ent, and applied antibiotic bea rior calcaneus were negative ansfer to address tendon dam	sy of the fibule formed a free : om the vastus l uent complicat was started on findings. Bone uds, followed b for osteomyeli age and mainta	a, talus and calcaneus. No evidence of myotendinous transfer from the left vastus ateralis tendon to the peroneus longus and ions included re-admission 3 months later due antibiotics as per Infectious disease team. biopsy confirmed osteomyelitis. Care included y primary wound closure. At one month, repeat tis. Achilles tendon was repaired with flexor in functionality.			
Discussions	This case high	hlights the complex	kity of treating chronic woun	ds with underly	ving osteomyelitis.			
Format	Case Study							
Case Rpt Followup	14							
Student Club								
Classification	Wound Care/I	Infectious Diseases	5					
Level of Evidence	Level IV							
Authors/Financial D	isclosures							
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Submission ID	05-01094					Ref ID CS-1094
Title	Treatmen Intermedi	t of Metata ate Cunei	arsus Adductus wit form Fixation and	th First Metat Metatarsal Os	arsal Cuneiform A steotomy	rthrodesis with
Submit Date	10/14/2024					
Correspondent	Last Name:	Krueger				
	Full Name:	Seth, W, Kru	leger, DPM	Email:	seth.krueger@osumc.e	du
	Practice/Comp	pany/Residenc	y Program:	The Ohio St	ate University Wexner Me	edical Center
Authors	Author 1:	Seth, W, Kru	leger, DPM	Author 2:	Said, Atway, DPM	
	Author 3:			Author 4:		
	Author 5:			Author 6:		
	Author 7:			Author 8:		
Purpose	We propose by metatarsal to t correction of t treatment opti allow for adec	union correction the intermediat the metatarsus ons for bunion quate reduction	on with an isolated 1st TM re cuneiform, in the presen- adductus deformity withou correction in the presence of the foot deformity.	T arthrodesis along ce of metatarsus add ut need for adjunctiv e of metatarsus addu	with a transfixation screw luctus along with a single re procedure. We feel this ctus with less need for fus	from the 1st osteotomy, results in may lead to improved ion and continue to
Methodology						
Procedures	This is a retro- intermediate c (Lapidus) pro- bunion deform noting improv	spective case r suneiform by fi cedure along w nity undergoing rement of MAA	eview study which analyze ixating the deformity at the vith distal metatarsal osteoi g surgery were treated and A and IMA.	ed the results of usin e lesser tarsus. All p tomy. In total, 6 adu followed for greate	g a transfixation screw fro atients in the study underw lts diagnosed with metatar r than 12 months. Serial ra	om the first ray to the vent first TMT fusion rsus adductus and adiographs were taken
Results	Following sur resulted in rad	gical 1st TMT liographically	Arthrodesis with transfixa decreased MAA and IMA	tion screw, patients without need for ad-	with metatarsus adductus ditional surgical interventi	and bunion deformities on.
Discussions	We propose fi adductus defo been shown to involved midf	xating the TM rmity allowing contribute to coot fusions or	T fusion to the lesser tarsu the distal osteotomy to fu successful deformity corre osteotomy procedures.	s results in a degree orther reduce the retu- ection with less com	of correction of the overa ograde force at the metata plications and time to heal	ll forefoot metatarsus rsal. This fixation has compared to more
Format	Case Study					
Case Rpt Followup	12					
Student Club						
Classification	Forefoot Reco	onstruction				
Level of Evidence	Level III					
Authors/Financial Di	sclosures					
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Submission ID	05-01097			Ref ID CS-1097			
Title	Pediatric Charcot I	Pediatric Charcot Neuropathic Arthropathy: a case report					
Submit Date	10/14/2024						
Correspondent	Last Name: Volodina Full Name: Kseniya, V Practice/Company/Residen	olodina, DPM cy Program:	Email: Jersey Shore	kseniya.volodina@hmhn.org e University Medical Center			
Authors	Author 1: Kseniya, W Author 3: Author 5: Author 7:	olodina, DPM	Author 2: Author 4: Author 6: Author 8:	James, Sullivan, DPM			
Purpose	Charcot neuropathic arthro Charcot neuropathic arthro	pathy is an uncommon conditio pathy in a patient with spina bif	n among pediat ida.	ric population. We present a pediatric case			
Methodology							
Procedures	A 9-year-old female with a the left foot, initially affect	medical history of spina bifida ing the hallux, followed by cell	and ADHD/anx ulitis of the pos	iety presented with sudden onset of cellulitis in terior heel.			
Results	Initial treatment involved a antibiotics. Five weeks late while roughhousing. Radio disease. MRI showed the p cuneiform bones and the cu inflammation, while a biop MRI was obtained, despite differentiate between Charr focus of acute osteomyeliti was ordered, which yielded	mputation of the left hallux. Th r, she returned with erythema to graphs showed fragmentation o resence of osteomyelitis in the <i>a</i> bioid bone. An intraoperative bi- sy of the calcaneus revealed act the radiologist and treating pod cot foot and chronic osteomyeli s involved 5-10% of the core bi- l findings similar to those of the	e patient was di o the left posteri f the calcaneal s calcaneus, dista one biopsy of th ate osteomyeliti iatrist agreeing tis. Further disc opsy, with only MRI.	scharged with a three-week course of oral or heel, secondary to a minor wound sustained apophysis, consistent with apophysitis or Sever's a spects of the intermediate and lateral e medial cuneiform showed no acute s. Bone cultures showed no growth. Secondary on findings, they were unable to definitively ussions with the pathologist revealed that the reactive changes beyond that area. A bone scan			
Discussions	Multidisciplinary approach were discontinued. To this	had concluded the clinical pict date patient is without further c	ure mostly cons linical complica	isting with charcot arthropathy and antibiotics tions.			
Format	Case Study						
Case Rpt Followup	12						
Student Club							
Classification	Neurological/Peripheral Ne	erve Disorders					
Level of Evidence	Level IV						
Authors/Financial D	Disclosures						
Full Name:	Email:	Disclosure(s) selected:		Disclosed Organisation(s):			
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Submission ID	05-01099			Ref ID CS-1099		
Title	APEX 3D Total Ankle Replacement System: An Ambispective Early Outcomes Stud					
Submit Date	10/15/2024					
Correspondent	Last Name: Full Name: Practice/Con	Shoemaker Evan P. Shoemaker, B.A. npany/Residency Program:	Email: Twin Cities	evanshoemaker@tcomn.com Orthopedics		
Authors	Author 1: Author 3: Author 5: Author 7:	Evan P. Shoemaker, BA Jeffrey C. Christensen, DPM, FACFAS Douglas K. Blacklidge, DPM Paul M. Cammack, MD	Author 2: Author 4: Author 6: Author 8:	Rebecca Stone McGaver, MS, ATC Andrew P. Kapsalis, DPM, AACFAS John C. Tanner, MD		
Purpose	To assess the	e safety, clinical/radiographic outcomes, and b	penefits of this ir	ndex device		
Methodology						
Procedures	First-generat device evolu 10+ year sur Currently, fo approved, an had adequate through radio secondary-re	ion total ankle arthroplasty(TAA) had low su tion, improvement in the long-term viability v vival rates at 90%-95.4% respectively. Newee urth-generation TAA aims to improve by min o literature exists reporting on APEX 3D Tota hbispective, single-arm, nonrandomized, mul e radiographs were included/followed prospec ographic alignment, clinical examination, imp lated procedures/related adverse events.	rvivorship and s of TAA has been r third-generation imizing bone re- l Ankle Replace: tisite, consecutiv tisite, consecutiv stively. Safety ar plant retention, p	uboptimal outcomes relative to arthrodesis. With reported. Second-generation designs reported n devices' 5-year survivorship averaged 90.6%. section through preoperative planning systems. ment (TAR)(Paragon 28) outcomes. As an IRB- <i>ve</i> case series, patients with APEX 3D TAR who ad performance of the device were assessed atient-reported outcomes, and incidence of		
Results	A cohort of 8 survivorship was 3.4%. N month postoj Physical Fun	89 patients had a mean age of 67.1 years and rate was 96.6%. Incidence of radiolucency w o significant differences were observed in co- perative baseline at 12 or 24-months. Mean A ection(+26.9, P=0.011), and Pain Scores(-2.5,	follow up of 14.9 vas 15.7%, hetero ronal or sagittal .OFAS(+29.2, P= P<0.001) signif	9 months. One-year metal component otrophic ossification was 3.4%, and subsidence alignment of the tibial/talar components to the 6- =0.002), Buechel-Pappas(+15.2, P=0.009), SF-36 icantly improved at 12-months.		
Discussions	The APEX 3 pain scores s long-term de	D TAR displays promising outcomes. Improv upport the procedural efficacy and safety of t vice performance.	vement in patien he index device.	t-reported outcomes, tibiotalar alignment, and Extended follow-up will add definitiveness of		
Format	Case Study					
Case Rpt Followup	15					
Student Club						
Classification	Rearfoot and	Ankle Reconstruction				
Level of Evidence	Level IV					
Authors/Financial D	isclosures					
Full Name:	Email	Disclosure(s) selected:		Disclosed Organisation(s):		

Full Name: Email:		Disclosure(s) selected:	Disclosed Organisation(s):	
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		Grant/Research funding	Paragon 28.	
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		Serve in an official capacity (elected or appointed) for any other medical or podiatric organization(s)	Appointment – Research Director for International Foot & Ankle Foundation.	
Andrew P. Kapsalis, DPM, AACFAS	Andrew_Kapsalis@ahni.com	Consultant/Advisor/Speaker (List all affiliations)	Consultant - Fusion Orthopedics	
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Douglas K. Blacklidge DPM		Intellectual Property rights owned	Royalties/Intellectual Property Rights – Stryker Corporation.	
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Submission ID	05-01102					Ref ID CS-1102	
Title	Pedal Maligna Matrix	nt Mela	anoma Reconstruc	tion Utilizing	g Synthetic E	lectrospun Fiber	
Submit Date	10/14/2024						
Correspondent	Last Name: Abic Full Name: Brad Practice/Company/R	ht ley P. Abio esidency I	cht, DPM, FACFAS Program:	Email: Gundersen F	bpabich1@gur Iealth System	idersenhealth.org	
Authors	Author 1: Levi Author 3: Author 5: Author 7:	Smith, DI	PM	Author 2: Author 4: Author 6: Author 8:	Bradley P. Abi	cht, DPM, FACFAS	
Purpose	Pedal melanomas can which may leave larg armamentarium for a with an electrospun f	n be rare a ge, deep de dditional iber matri	nd aggressive due to dela efects to ensure clean mar options. This study aims t x (SEFM) following wide	yed presentation. ' gins. The resultant o assess the clinic c local excision of	The standard treats wounds rely on t al outcomes of sol pedal melanomas.	nent is wide local excision, he reconstructive it tissue reconstruction treated	
Methodology							
Procedures	Patients undergoing dorsal and plantar su immediately post-res melanoma recurrence	local or m rfaces wei ection. Lo e.	arginal wide excision for re examined for this series ong term follow-up monito	melanocytic lesion Each defect was bring for each pati	as and subsequent treated with an in ent revealed full w	soft tissue defect repair to the traoperative SEFM /ound closure with no	
Results	Five patients with po achieved complete re No complications we	Five patients with post-oncologic soft tissue surgical defects, with a mean area of 7.952 ± 5.073 sq. cm. (range: 2.52-16), achieved complete re-epithelialization following 1-2 SEFM applications within a mean 74.4 \pm 43.9 days (range: 37-148). No complications were observed.					
Discussions	Melanoma, the most indiscernible sympto body. Surgical soluti malignancies. These which introduces dor post-oncologic woun	Melanoma, the most dangerous form of skin cancer, of the foot is commonly diagnosed in later stages due to location and indiscernible symptoms. Acral lesions found on the plantar surface are generally thicker than those found elsewhere on the body. Surgical solutions often result in a significant soft tissue defect to ensure clear margins and the eradication of existing malignancies. These defects are usually reconstructed with skin grafts or flaps when primary closure is not achievable, which introduces donor site morbidity. Treatment with the SEFM eliminates the need for additional procedures on these procedures on the sector of the sec					
Format	Case Study						
Case Rpt Followup	20						
Student Club							
Classification	Wound Care/Infectio	us Diseas	es				
Level of Evidence	Level IV						
Authors/Financial D	oisclosures						
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):	
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Bradley P. Abicht, DPM, FACFAS	bpabich1@gundersenhe	alth.org	Consultant/Advisor/Spe	aker (List all affili	ations)	Acera Surgical, Enovis Foot & Ankle, ConMed Foot & Ankle, Invibio, SupraFusion Technologies	
			Member of a medical publication or editorial governing board			FASTRAC, Podiatry Today	

Submission ID	05-01105				Ref ID CS-1105			
Title	Resectior Multidisc Compror	Resection Calcaneoplasty with External Fixation and Microsurgical Free Flap: A Multidisciplinary Case Report of Limb Salvage for Calcaneal Osteomyelitis in a Compromised Host						
Submit Date	10/14/2024							
Correspondent	Last Name:	Fullmer						
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	Practice/Con	npany/Residency Pro	gram:	Gundersen He	alth System			
Authors	Author 1:	Taylor C. Fullmer,	DPM	Author 2:	Rosemary J. Thompson, DPM			
	Author 3:	Devin C. Simonso	n, DPM, FACFAS	Author 4:	Andrew D. Elliott, DPM, JD, FACFAS			
	Author 5:	Jordan Bruce, MD		Author 6:				
	Author 7:			Author 8:				
Purpose	Plantar heel cure and mai reconstructio limit ambula report presen disease mana (ALT) micro	Plantar heel wounds with calcaneal osteomyelitis in complicated patients pose significant challenges for achieving clinical cure and maintaining foot function. Preserving a durable plantar heel pad and resolving infection are critical for successful reconstruction. In cases of drug-resistant osteomyelitis, subtotal or total calcanectomy may be necessary, though this can limit ambulation and impact activities. Selecting appropriate soft tissue coverage is vital to support body weight. This report presents a case of an IV drug user with a large heel wound complicated with osteomyelitis which included infectious disease management, partial calcaneal resection with application of external fixation and plastic surgery anterolateral thigh (ALT) microsurgical free flap.						
Methodology								
Procedures	A 66-year-ol- system for se patient under managed cul- coverage, im transitioned t	d male with past med psis. Pertinent physic went serial surgical d ture-driven antibiotic mediately followed b o a lower leg orthosis	ical history of diabetes con cal exam findings included lebridement until bone biop therapy. Plastic surgery pe y application of an externa s.	nplicated with I a massive full t osies confirmed rformed an AL l fixation via st	V drug abuse was admitted to our hospital hickness wound with exposed calcaneus. The clean margins. The infectious disease team I microsurgical free flap for soft tissue atic circular frame. The patient later			
Results	n/a							
Discussions	Calcaneal os infectious dis varied patien lower limb.	teomyelitis requires a sease, and foot and ar t co-morbidities. In th	multidisciplinary approacl ikle specialists could impro nis case, interdisciplinary p	n. Standardized we outcomes, b atient care play	treatment algorithms involving plastic surgery, ut individualized strategies are essential due to ed a major role in preserving this patient's			
Format	Case Study							
Case Rpt Followup	14							
Student Club								
Classification	Wound Care/	Infectious Diseases						
Level of Evidence	Level IV							
Authors/Financial D	Disclosures							
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):			
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Submission ID	05-01107				Ref ID CS-1107
Title	Treatment Metaphyse	t of Pediatric eal Autograf	e Talar Osteochondra 't: A Case Study	al Defect (C	OCD) with use of Distal Tibial
Submit Date	10/14/2024				
Correspondent	Last Name:	Becoja			
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	Practice/Comp	any/Residency P	rogram:	Corewell Heal	lth East - Wayne
Authors	Author 1:	Besim Becoja, I	OPM	Author 2:	Lawrence Fallat, DPM, FACFAS
	Author 3:			Author 4:	
	Author 5:			Author 6:	
	Author 7:			Author 8:	
Purpose	An osteochond Second to the supply, the talk progress to dea osteochondral	Iral defect (OCD) knee, the talus is us has a limited re- generative osteoa defect with use o) is a term used to describe less the most common bone to experiative capacity which is re rthritis of the ankle joint. This f distal tibial metaphyseal aut	sions involving perience osteoc flected in cases s case report de tograft through	the articular cartilage and subchondral bone. hondral lesions. Due to its restricted vascular of chronic osteochondral defects which scribes the treatment of a pediatric a medial malleolar takedown approach.
Methodology					
Procedures	A pediatric pat and osteotomy aspect of the ta	tient with a talar (of the medial ma alar dome measur	OCD underwent OCD repair v alleolus. Preoperative x-rays a ing 8 mm in diameter.	with autogenous and MRI reveal	s bone graft from the distal tibial metaphysis ed a large osteochondral defect of the medial
Results	Complete cons restriction, cor	solidation and rep nplete resolution	air of the OCD of the talus, f of ankle pain.	ull ankle joint r	ange of motion, return to full activity with no
Discussions	The most com compare to act may progress t patient open re option with ex	mon osteochondr ate ankle injuries to degenerative of pair of the OCD cellent results that	al defect (OCD) of the foot as with symptoms of deep ankle steoarthritis of the ankle whic with use of distal tibial metar tt aims to prevent progression	nd ankle occurs e pain, swelling h may warrant ohyseal autogra of disorder.	in the talus. Acute osteochondral defects , and instability. Chronic osteochondral defects surgical correction. In the case of a pediatric ft via medial malleolar takedown is a viable
Format	Case Study				
Case Rpt Followup	18				
Student Club					
Classification	Rearfoot and A	Ankle Reconstruc	tion		
Level of Evidence	Level IV				
Authors/Financial D	isclosures				
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):
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Submission ID	05-01113					Ref ID CS-1113
Title	Compari	son of Pitc	her Velocities in B	ullpens with Di	fferent Type	of Turf Shoes
Submit Date	10/14/2024					
Correspondent	Last Name: Full Name: Practice/Com	Patel Neil R. Pate npany/Residen	el, DPM cy Program:	Email: Kentucky/Ind	neil2695@gma diana Foot and An	il.com kle Specialists
Authors	Author 1: Author 3: Author 5: Author 7:	Paul Klutts, Chad Mille	, DPM, FACFAS r, M.A.	Author 2: Author 4: Author 6: Author 8:	Amanda Denzi	k, DPM, FACFAS
Purpose	With the incr turf shoes, an throwing velo New Balance	easing diversit d hybrid mode ocity of pitche e, Nike, and Ur	ty in baseball footwear, ur els, influence performance rs in bullpens with differe nder Armour.	derstanding how varie has become essential nt types of Turf shoes,	ous shoe designs, i . The purpose of t comparing Sqairz	including traditional cleats, he study is to compare the z Velo Trainers with Adidas,
Methodology						
Procedures	This study an to Sqairz Vel- their arm and fastballs, 10 r	alyzed 54 coll o Trainers. Pite body activation mix, 10 four se	legiate players and how th chers were studied utilizir on protocols and throwing cam fastballs with normal	rowing velocity chang g a radar gun and com routines. The players shoes on, and 10 four	ed by switching s pleted their stand followed the form seam fastballs wit	hoes from traditional footwear ard activation that included hat with 10 step throughs, 10 h Sqairz Velo Turfs.
Results	41 out of 54 Nike with an players displa visibly more	players saw in average of 3.1 ayed increased stable at these	creases in throwing veloc 2 mph and smallest varia 1 medial to lateral translati joints.	ty during their session nce in velocity of 1.06 on at the ankle and sul	s. The largest vari mph with New B otalar joints. When	ance in velocity was with alance. In normal shoe gear, n players wore Sqairz, it was
Discussions	Sqairz Velo T and assisted t timing of the normal shoes	Curfs showed a the players in i ir release. The to Sqairz Velo	significant improvement improving their balance, v average velocity increase o Turfs.	in pitchers' velocity a hich allowed them to was 2.1 mph across th	cross the fifty-four then improve on t he group when pla	r pitchers that were studied heir direction and consistent yers changed from their
Format	Case Study					
Case Rpt Followup	12					
Student Club						
Classification	Biomechanic	s and Anatom	у			
Level of Evidence	Level II					
Authors/Financial D	isclosures					
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):
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Submission ID	05-01114					Ref ID CS-1114
Title	Lisfranc F Button Fiz	Fracture Disloca	ation VAS and Rad	diographic	Improvemen	t with Suture
Submit Date	10/14/2024					
Correspondent	Last Name: Full Name: Practice/Comp	Thomas Tayler pany/Residency Progr	am:	Email: Rochester Ger	tayler.thomas@ro neral Hospital	ochesterregional.org
Authors	Author 1: Author 3: Author 5: Author 7:	Tayler, A, Thomas, Paul, A, Stasko, DP	DPM M AACFAS	Author 2: Author 4: Author 6: Author 8:	Kate, A, Crydern Peter, M, Stasko,	nan, DPM DPM AACFAS
Purpose	Lisfranc fractu Traditionally, midterm outco	ure-dislocation injurie isolated ligamentous omes of Suture Button	s are uncommon in the ge injuries have been treated a fixation for Lisfranc inju	eneral populatic with ORIF or p pries using VAS	on but are becomin primary arthrodesi scores and radiog	g more frequent. s. This study aims to assess raphic evaluations.
Methodology						
Procedures	Two surgeons for Lisfranc fr 4.1 months). F the 1st and 2n pre-surgery, in	from Finger Lakes B actures/dislocations b Patient's ranged from 2 d metatarsals was me nmediately post-op, a	one a d Joint (Rochester F etween 02/2018 and 07/2 25 to 64 years old, with a asured pre-surgery, immed t six months, and one yea	Regional Health 023, with at lea n equal gender diately post-op, r.	a) treated 10 patien st one year of foll- distribution. AP ra and at six months	tts with suture button fixation ow-up (Avg 14.9 months +/- diographic diastasis between b. VAS scores were recorded
Results	Radiograph re significant VA maintained for diastasis and V	views showed a decre S score reductions (p r at least one-year pos VAS scores were near	ease in diastasis (pre-op a re-op average 8.7 to post- t-op. No significant differ ing significance based on	verage 4.94 mn op 1.8), indicat rences in VAS o age (< or > 50	n to post-op 3.51 m ing improved satis or diastasis were fo years).	nm). All patients reported sfaction. Diastasis was bund (p <.05), but changes in
Discussions	Suture button Lisfranc injuri comparative a	fixation promoted dia ies. A larger sample si nalysis with ORIF.	stasis maintenance and V ze may reveal significant	AS improveme differences. Fu	nt, suggesting an e ture studies will ir	effective treatment for include more cases and a
Format	Case Study					
Case Rpt Followup	14					
Student Club						
Classification	Trauma					
Level of Evidence	Level IV					
Authors/Financial D	Disclosures					
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):
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Submission ID	05-01116					Ref ID CS-1116			
Title	Outcome Rearfoot	Outcomes of Malerba Calcaneal Osteotomy without Lateralization in the Treatment of Rearfoot Varus							
Submit Date	10/16/2024								
Correspondent	Last Name:	Jameson							
	Full Name: Practice/Con	Ryan C. Jameson pany/Residency Pro	ı, DPM ogram:	Email: Sanford Healt	ryan.jameson@ h Podiatry Medic	sanfordhealth.org ine and Surgery Residency			
Authors	Author 1: Author 3: Author 5: Author 7:	Ryan C. Jameson Timothy P. Ugler	ı, DPM n, DPM	Author 2: Author 4: Author 6: Author 8:	Alexander CM.	Chong, MSAE MSME			
Purpose	The purpose calcaneal ost	of this study was to eotomy without late	report the incidence of union ralization of the calcaneal tu	n, complication berosity in the	s, and revisions a treatment of rearf	ssociated with the Malerba			
Methodology									
Procedures	Numerous ty surgical optic the posterior risk of damaş corrective po associated wi lateralization calcaneal ost	pes of calcaneal osto on remains controve calcaneus designed ging the subtalar join tential of this techni ith this procedure, a of the calcaneal tub eotomy at a single in	eotomies exist in the treatme rsial. The Malerba calcaneal with an axis of rotation to p nt, the peroneal tendons, and que. A paucity of data exists nd no outcomes study exists perosity. This retrospective c nstitution between January 2	nt of adult rear osteotomy whi rimarily address the sural nerve s on union, com that evaluates t ase series revie 018 and March	foot varus deform ich is a lateral clo s frontal plane de b. Basic science p plication, and rec this procedure spe wed patients who 2024.	ity; however, the preferred sing wedge Z-ostcotomy of formity while avoiding the apers demonstrate high operation/revision rates wifically without underwent a Malerba			
Results	A total of 46 overall comp one superfici initial proced	cases were identifie lication rate was 7% al infection. The del lure.	d and included. At mean foll 6 (3/46 cases) with one patie hiscence case underwent rev	low up of 14.7 nt requiring has ision due to une	months. There wa dware removal, o der correction of r	as a 100% union rate. The one case of dehiscence, and rearfoot deformity during the			
Discussions	This study ill treatment of	ustrates that the Ma adult rearfoot varus	lerba calcaneal osteotomy w foot deformity	rithout lateraliza	ation is a safe and	reliable method in the			
Format	Case Study								
Case Rpt Followup	14								
Student Club									
Classification	Rearfoot and	Ankle Reconstructi	on						
Level of Evidence	Level IV								
Authors/Financial D	Disclosures								
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):			
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Submission ID	05-01119 Ref ID CS-							
Title	Adenocarcino superimposed	Adenocarcinoma with metastasis to first metatarsal: management in the setting of superimposed infection						
Submit Date	10/14/2024							
Correspondent	Last Name: Kara Full Name: Yara	um 1 I. Karam, DPM, M.Ed	Email:	ykaram@kent.edu				
Authors	Author 1: Yara Author 3: Reb Author 5: Author 7:	eestaency Program: 1 I. Karam, DPM, M.Ed eecca L. Cena, DPM	Author 2: Author 4: Author 6: Author 8:	Razdum Ahmed, DPM Bruce F. Kallou, DPM, ABFAS, FACFAS				
Purpose	Adenocarcinoma of metastasizing to the symptoms of osteon is to assess the prev-	Adenocarcinoma of the breast is the most common type of breast cancer. The occurrence of this form of carcinoma metastasizing to the lower extremity has a low incidence rate. This case study documents a patient who presented with symptoms of osteomyelitis of the first metatarsal, which was then diagnosed as metastatic carcinoma. The aim of this study is to assess the prevalence and management protocol of metastatic carcinoma to the foot to prevent delay in treatment.						
Methodology								
Procedures	This case study pres with metastasis to h concerns of osteomy phalanx, proximal p bone biopsy of the f	This case study presents a 72-year-old female with significant medical history of metastatic triple negative breast cancer with metastasis to lungs and vertebrae, chronic obstructive pulmonary disease, who presented with left foot ulcers and concerns of osteomyelitis. Radiographs of the left foot displayed a mottled appearance of the first ray, including distal phalanx, proximal phalanx, and first metatarsal bones. Patient was consented for debridement of left foot ulcerations and bone biopsy of the first metatarsal.						
Results	Pathology report fin acute osteomyelitis.	Pathology report finalized as metastatic carcinoma consistent with breast primary, and the bone of left foot negative for acute osteomyelitis.						
Discussions	Adenocarcinoma of options for metastas lower extremity, ost bone biopsy should	Adenocarcinoma of the breast has prevalence of metastasis to bones, but rare to occur in the lower extremity. Treatment options for metastasis proposed in previous studies include chemotherapy, debridement, and even amputation. Within the lower extremity, osteomyelitis and metastasis carcinoma of the foot can appear with overlapping symptoms. That is why bone biosy should be added to the diaenostic panel to prevent misdiagnosis and provide early treatment.						
Format	Case Study							
Case Rpt Followup	12							
Student Club								
Classification	Soft Tissue/Tumor							
Level of Evidence	Level IV							
Authors/Financial D	isclosures							
Full Name:	Email:	Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-01120 Ref ID CS-1						
Title	Overcorrect	Overcorrected Cavus Reconstruction: A case report					
Submit Date	10/14/2024						
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Purpose	To report a case	of overcorrecte	ed cavus deformity with subs	equent flatfoot r	econstruction and midfoot nonunion repair.		
Methodology							
Procedures	One patient had lateralizing displ Steindler strippin longitudinal arch nonunion about t calcaneal osteoto	One patient had followed up with our institution 15 months status post cavus foot deformity reconstruction including a lateralizing displacement calcaneal osteotomy, midfoot arthrodesis, dorsiflexory wedge osteotomy of the 1st metatarsal, Steindler stripping, and posterior tibial tendon transfer. This patient had presented with continued pain along the medial longitudinal arch and plain films as well as CT scan of the right foot and ankle had demonstrated flatfoot deformity with nonunion about the navicular cunciform joint. Ultimately the decision was made to perform a medial displacement calcaneal osteotomy, Evans calcaneal osteotomy, and naviculocuneiform arthrodesis.					
Results	Prior to initial ca angle 48.3 degre respectively.	Prior to initial cavus foot reconstruction, pre operative radiographic measurements were as follows: Calcaneal inclination angle 48.3 degrees, angle of Hibbs 101.9 degrees. Following revision surgery these have improved to 21.3 and 121.4 respectively.					
Discussions	To our knowledg postulate that ov subsequent nonu reconstruction, tl	To our knowledge, this is the first case of flatfoot reconstruction reported for an overcorrected cavus deformity. We postulate that overcorrection at the calcaneus led to undo stress upon the apex of the ensuing flatfoot deformity that led to subsequent nonunion and midfoot pain. At a follow up of 28 months after index procedure and 12 months after subsequent reconstruction, the patient has returned to ambulation and walking around 1.5 miles daily in normal shoe gear.					
Format	Case Study						
Case Rpt Followup	29						
Student Club Classification Level of Evidence	Rearfoot and An Level IV	kle Reconstruc	tion				
Authors/Financial D	isclosures						
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):		
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Submission ID	05-01122 Ref ID CS-112							
Title	Treatment of conco secondary to Charc	Treatment of concomitant Osteomyelitis of the hallux and dislocated ankle fracture secondary to Charcot Neuroarthropathy with multi-staged approach						
Submit Date	10/14/2024							
Correspondent	Last Name: Cena							
	Full Name: Rebecca L. Practice/Company/Residence	Cena, DPM cy Program:	Email: Detroit Medic	rebeccalcena@gmail.com al Center				
Authors	Author 1:Rebecca Ce.Author 3:Yara I. KaraAuthor 5:Author 7:	na m, DPM, M.Ed	Author 2: Author 4: Author 6: Author 8:	Tushar I. Singh, DPM Brian G. Kissel, DPM, MBA				
Purpose	Treatment of Charcot Neuro the diabetic foot. Specifical includes internal fixation, ex multi-staged procedure to tr CN.	Treatment of Charcot Neuroarthropathy (CN) with associated osteomyelitis is one of the most challenging issues involving the diabetic foot. Specifically, ankle-associated CN which can be treated with single-stage or multi-staged procedures that includes internal fixation, external fixation, or a combination of the two. This case documents the stepwise approach for a multi-staged procedure to treat concomitant osteomyelitis of the hallux and a dislocated ankle fracture secondary to acute CN.						
Methodology								
Procedures	This case study presents a 6 ankle pain and associated sy hallux. Radiographs were of fracture of the right ankle se	This case study presents a 67-year-old male with no reported past medical history that presented to the hospital with right ankle pain and associated swelling. The patient denied history of trauma to the ankle but did also report an ulcer to the right hallux. Radiographs were obtained which revealed ostcomyelitis to the distal phalanx of the right hallux and a pilon fracture of the right ankle secondary to acute Charcot Neuroarthropathy.						
Results	This staged reconstruction a	pproach resulted in an ulcer-free,	stable, plantig	rade foot at one-year postoperative follow-up.				
Discussions	Treatment of ankle-associat surgical approach. The initi External fixation has the ad- is the gold standard for treat fixation and arthrodesis util	Treatment of ankle-associated CN with concomitant osteomyelitis of the hallux must be treated with a multi-staged surgical approach. The initial stage involves eradicating the infection and stabilizing the deformity with external fixation. External fixation has the advantage of deformity correction with limited neurovascular compromise. However, arthrodesis is the gold standard for treatment. Therefore, the final surgery in this multi-staged approach entailed removal of external fixation and arthrodesis utilizing a retrograde intramedullary nail.						
Format	Case Study							
Case Rpt Followup	15							
Student Club								
Classification	Diabetic Foot							
Level of Evidence	Level IV							
Authors/Financial Di	sclosures							
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Submission ID	05-01126			Ref ID CS-1126				
Title	Orthopedic Indication of Borjeson-Forssman-Lehmann Syndrome							
Submit Date	10/14/2024							
Correspondent	Last Name: Dong							
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	Practice/Company/Resider	ncy Program:	The Pediatric	Foot and Ankle Fellowship				
Authors	Author 1: Mark Solo	mon	Author 2:					
	Author 3:		Author 4:					
	Author 5:		Author 6:					
	Author 7:		Author 8:					
Purpose	This case discusses the con deformities, including hall	nplex surgical correction of a 13-y ux valgus, hammertoes, and an elo	ear-old female	with progressive, painful Right forefoot etatarsal.				
Methodology								
Procedures	A 13-year-old female with and hammertoes, with the is a rare X-linked recessiv females. The procedures p osteotomy of the first meta implant fixation for digits	BFLS, anxiety, hypercholesteroler right foot being more symptomatic e disorder caused by mutations in t erformed on the Right foot include ttarsal and proximal phalanx, ham 2 through 5, and third metatarsal o	mia, and hypoth to than the left. If the PHF6 gene a to hallux valgus nertoe correction steotomy.	syroidism presented with bilateral hallux valgus sorjeson-Forssman-Lehmann Syndrome(BFLS) and can be fully expressed in both males and correction through a minimal incision double on through joint sparring osteotomies with				
Results	The patient's right forefoo	t remained pain-free with no recur	rence of deform	ity following the initial surgical intervention.				
Discussions	This case presentation higl sparing hammertoe correct initial surgery, prompting satisfaction from both the	nlighted patient satisfaction achiev tion. The patient's right forefoot re left forefoot surgery for hallux valg patient and her parents.	ed through min mained pain-fro gus and hamme	imally invasive first ray surgery and joint- ee with no recurrence of deformity after the rtoe deformities one year later, reflecting high				
Format	Case Study							
Case Rpt Followup	21							
Student Club								
Classification	Forefoot Reconstruction							
Level of Evidence	Level V							
Authors/Financial Di	sclosures							
Full Name:	Email:	Disclosure(s) selected:		Disclosed Organisation(s):				
Mark Solomon	drsolomon@advfoot.com	Consultant/Advisor/Speaker (L	ist all affiliatio	ns) Orthofix, Ossio				

Submission ID	05-01127 Ref ID CS-11							
Title	Application of Split-T Report	Application of Split-Thickness Skin Graft Following Traumatic Hematoma: A Case Report						
Submit Date	10/14/2024							
Correspondent	Last Name: Burandt							
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	Practice/Company/Residency	Program:	West Penn Ho	spital Foot and Ankle Institute				
Authors	Author 1: Madison, K, E	Burandt, DPM	Author 2:	Isaac, M, Kline, DPM				
	Author 3: Michael, R, H	uther, DPM	Author 4:	Karl, Saltrick, DPM, FACFAS				
	Author 5:		Author 6:					
	Author 7:		Author 8:					
Purpose	Split-thickness skin grafts are hematoma later covered with	a viable option in the foot and a split thickness skin graft.	ankle populatio	on for wounds. We present a case of a traumatic				
Methodology								
Procedures	A 58-year-old female endured evacuated in full leaving a del returned to the operating roon graft was obtained from the p was stapled into place. The pa	A 58-year-old female endured a trauma resulting in a hematoma to the medial aspect of her hindfoot/ankle. This was evacuated in full leaving a deficit measuring &cmx5cmx1.5cm. A skin graft substitute was applied to the area. The patient returned to the operating room 21 days after the application of the skin graft substitute. At this time, a split thickness skin graft was obtained from the patient's ipsilateral calf after the wound bed was prepared and bleeding was controlled. This was tapled into place. The patient was instructed to remain non-weightbearing immediately post-operatively.						
Results	Successful graft incorporation weightbearing as tolerated 5 v	Successful graft incorporation was seen; staples were removed at the second post operative visit. Patient was able to begin weightbearing as tolerated 5 weeks post procedure.						
Discussions	Split-thickness skin grafts are adequate vascular supply, con ipsilateral calf offering advant immobilization, elevation, and contracture.	Split-thickness skin grafts are a viable option for covering foot and ankle wounds in properly selected patients with adequate vascular supply, controlled infection and a healthy wound bed. At our institution, grafts are harvested from the ipsilateral calf offering advantages such as ease of access and reduced morbidity. Post-operative care emphasizes immobilization, elevation, and proper dressing techniques to prevent complications like graft failure, infection or contracture.						
Format	Case Study							
Case Rpt Followup	12							
Student Club								
Classification	Wound Care/Infectious Disea	ses						
Level of Evidence	Level IV							
Authors/Financial Di	isclosures							
Full Name:	Email:	Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-01128				Ref ID CS-1128			
Title	The Extr Longus T	The Extruded Talus with Traumatic Transection of the Flexor Hallucis and Digitorum Longus Tendons: A Case Report						
Submit Date	10/14/2024							
Correspondent	Last Name: Full Name:	Joseph Nevin		Email:	njoseph1212@gmail.com			
	Practice/Con	pany/Residency Pr	ogram:	OhioHealth O	Grant Medical Center			
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	Author 3:	Meghan Roby D	PM	Author 4:	Sara Judickas DPM			
	Author 5:	Joseph Temperat	to DO	Author 6:				
	Author 7:			Author 8:				
Purpose	The extruded such as avase with associat	The extruded talus is a high-energy, open total dislocation of the peritalar joint complex with historically poor outcomes such as avascular necrosis (AVN), infection and arthrosis. We present a unique case of an extruded pan-talar dislocation with associated transection of the long flexor tendons of the ankle.						
Methodology								
Procedures	A 30-year-ole intact with a of the long fl shear of the o utilized the d operative stre	d male presented as large medial trauma exor tendons. Intrac leltoid ligament cor istal tendon stumps sss demonstrated a s	a polytrauma from a motor v titic wound with an extruded operatively, the flexor halluci nplex. Given there was retrac to create a make-shift deltoi stable talus within the mortiss	vehicle collision pan-talar dislo s and digitorum tion of the pro- d sling which we e.	n. On physical exam, he was neurovascularly cation with periosteal stripping and transection m longus were transected in full with complete oximal ends of the long flexor tendons, we was secured to the medial malleolus. Intra-			
Results	Superficial w plantarflexio	Superficial wound dehiscence healed in 1 month, no radiographic signs of AVN, weakness in ankle and hallux plantarflexion						
Discussions	Traumatic ex injuries were from 11%-40 and debriden procedures re	Traumatic extrusion of the talus is an uncommon injury representing around 2.0% of all talar injuries. Historically, these injuries were treated with primary talectomy and tibiocalcaneal arthrodesis due to high rates of infection, which ranges from 11%-40%, and AVN. Recently, there has been a trend to primary reimplantation of the talus with thorough irrigation and debridement. Even with re-implantation, the risk of hindfoot arthritis and collapse which may require secondary procedures remains prevalent.						
Format	Case Study							
Case Rnt Followun	12							
Student Club								
Classification	Trauma							
Level of Evidence	Level IV							
Authons/Einensiel F	licologunas							
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Submission ID	05-01129			Ref ID CS-1129				
Title	Gradual Corre	Gradual Correction of Pediatric Cavus Foot Deformity						
Submit Date	10/14/2024							
Correspondent	Last Name: Dong	Ş						
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	Practice/Company/Re	esidency Program:	The Pediatric	Foot and Ankle Fellowship				
Authors	Author 1: Mark	Solomon	Author 2:					
	Author 3:		Author 4:					
	Author 5:		Author 6:					
	Author 7:		Author 8:					
Purpose	The purpose of this p foot deformity second	ublication is to discuss the complex s dary to spina bifida. The right foot de	urgical correction formity is more s	n of a 13 year old female with Bilateral Cavus evere than the left.				
Methodology								
Procedures	Children with spina b the hind foot has been Release, 2. R Steindh with Sterostactic com	ifida develop a wide variety of conge n reported in 8-17% of the patients wi er Stripping, 3. R Calcaneus Osteoton uputer assisted adjustments at the RLF	enital and acquire ith spina bifida. T ny, 4. R Midfoot 3.	d orthopedic deformities. Varus deformity of 'he patient underwent 1. R Foot Tarsal Tunnel Osteotomy, 4 Application of Multiplanar Ex Fix				
Results	The patient achieved no recurrence of the	gradual correction of the deformity, v deformity after the initial surgical inte	with her right low ervention.	er extremity remaining pain-free and showing				
Discussions	In a patient with the p supple, and braceable necessary if foot defe	potential for ambulation, the goal of the cot with maximally preserved range prmity prevents shoe wear or position	he treatment of fo e of motion. Ever ing in a wheelcha	ot deformity in spina bifida is a plantigrade, n in non-ambulatory patients, treatment may be nir.				
Format	Case Study							
Case Rpt Followup	14							
Student Club								
Classification	Rearfoot and Ankle F	Reconstruction						
Level of Evidence	Level V							
Authors/Financial Di	isclosures							
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Submission ID	05-01130 Ref ID							
Title	Two-Stage Avascular	Two-Stage Total Ankle Arthroplasty Without Total Talus Implant for End-Stage Avascular Necrosis of the Talus: A Case Report						
Submit Date	10/14/2024							
Correspondent	Last Name:	Joseph						
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	Practice/Comp	any/Residency F	Program:	OhioHealth C	Grant Medical Center			
Authors	Author 1:	Nevin Joseph E	DPM	Author 2:	Alexa Bykowski DPM			
	Author 3:	Meghan Roby I	DPM	Author 4:	Sara Judickas DPM			
	Author 5:	Brian Steginsky	y DO	Author 6:				
	Author 7:			Author 8:				
Purpose	Avascular necr literature is ava present a case revascularization	Avascular necrosis (AVN) of the talus with associated hindfoot and ankle collapse is a challenging pathology to treat. Scant literature is available regarding joint salvage procedures for late-stage AVN without the use of a total talus implant. We present a case utilizing a two-stage approach for talar AVN with the initial procedure consisting of hindfoot arthrodesis for revascularization of the talus, followed by total ankle arthroplasty (TAA) without a concomitant total talus implant.						
Methodology								
Procedures	A 68-year-old diffuse AVN of ankle arthropla a total ankle ar revascularizatio	female presented f the talus. The p sty with the initi throplasty with a on of the talus w	d with right ankle pain after m atient did not want to pursue a ial stage consisting of a subtala a long-stemmed tibial implant rith the index hindfoot fusion.	ultiple procedu my joint destru ar and talonavi without the use	tres performed by an outside provider for totive procedures. We pursued a two-stage total cular arthrodesis. The second stage consisted of e of a total talus implant due to			
Results	Unremarkable	post-operative c	ourse without evidence of tala	r component s	ubsidence or implant failure			
Discussions	Historically, A allowed for mo implants with r	Historically, AVN of the talus was a contraindication for TAA. More recently, the introduction of total talus implants has allowed for more joint salvage procedures for end-stage talar AVN. Our case presents an alternative option to total talus implants with revascularization of the talus with hindfoot arthrodesis and the continued use of a standard talar component.						
Format	Case Study							
Case Rpt Followup	12							
Student Club								
Classification	Rearfoot and A	nkle Reconstruc	etion					
Level of Evidence	Level IV							
Authors/Financial D	Disclosures							
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Submission ID	05-01132				Ref ID CS-1132			
Title	Dual Plat Techniqu	e Fixation for e and Case Re	• Vertical, Impacted 1 eport	Medial Ma	lleolar Fractures: A Novel			
Submit Date	10/14/2024							
Correspondent	Last Name: Full Name: Practice/Com	Joseph Nevin DPM pany/Residency Pr	ogram:	Email: OhioHealth G	njoseph1212@gmail.com rant Medical Center			
Authors	Author 1: Author 3: Author 5: Author 7:	Nevin Joseph DF Meghan Roby D Joseph Scheschu	PM PM k DO	Author 2: Author 4: Author 6: Author 8:	Alexa Bykowski DPM Sara Judickas DPM			
Purpose	Dual plate fix is no current high rates of bilateral bima malleolus.	Dual plate fixation in lower extremity trauma has been described in femur, tibial and distal fibular fractures, however, there is no current literature of the use in medial malleolar fractures. Vertical medial malleolar fractures have been found to have high rates of marginal impaction, and proper anatomic plafond reduction is paramount to outcomes. We present a case of bilateral bimalleolar ankle fractures with treatment of dual plate fixation and fracture specific fixation of the medial malleolar.						
Methodology								
Procedures	A 19-year-old adduction bin marginally in underwent a r styloid plates	A 19-year-old female presented as a polytrauma from a motor vehicle collision. She was found to have bilateral supination- adduction bimalleolar ankle fractures. Advanced imaging of the right ankle was performed, and she was found to have a marginally impacted vertical medial malleolar fractures with anterior and posterior extension of the tibial plafond. She underwent a right ankle open reduction internal fixation, and the medial malleolar fracture was fixated with dual radial styloid plates, one plate to reduce each the anterior and posterior impacted portions.						
Results	Uneventful post-	Uneventful postoperative course with fracture healing at 6 weeks. No evidence of hardware failure or clinical/radiologic signs of post-traumatic arthritis at 1 year follow-up						
Discussions	Supination-ac fractures, joir these fracture specific fixati	Supination-adduction ankle fractures are uncommon rotational fractures, with rates varying from 5-20%. With these fractures, joint impaction is common which is associated with cartilage injury and worse joint survivorship. Historically, these fractures have been described as pilon fracture variants. With this, anatomic reduction is paramount, and fracture specific fixation could mitigate the risk of post traumatic arthritis.						
Format	Case Study							
Case Rpt Followup	12							
Student Club								
Classification	Trauma							
Level of Evidence	Level IV							
Authors/Financial D	isclosures							
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Submission ID	05-01133					Ref ID CS-1133			
Title	Angioleio	Angioleiomyoma of the Lower Extremity; A Unique Presentation							
Submit Date	10/14/2024								
Correspondent	Last Name: Full Name: Practice/Comp	Bakri Salma pany/Residenc	y Program:	Email: Chestnut Hill	salma.bakri@tuh Podiatric Surgery I	s.temple.edu Residency Program			
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Purpose	Angioleiomyc make up 5% o soft tissue mas	Angioleiomyomas are benign smooth muscle tumors that arise from the tunica media of small vessels. They are rare and nake up 5% of all benign soft tissue neoplasms. This study aims to contribute to the understanding and diagnosis of this soft tissue mass that occurs commonly in extremities, but rarely around tendons.							
Methodology									
Procedures	A 61-year-old Preoperative M 12 x 31 mm. T intermediate in Intraoperative the mass.	male presente MRI showed an The mass show ntensity on T2 ly, it was well	d to clinic with a complaint of a n ovoid soft tissue mass along the ed heterogenous enhancement on imaging. Secondary to patient's circumscribed, made up of soft ti	painful mass on e posterior mar n post contrast increased disco issue with the l	the posterior left l gin of the distal ach imaging and was h mfort, the mass wa umena of vessels v	heel present for 5 years. hilles tendon measuring 32 x yperintense on T1 and his surgically resected. hisible upon transection of			
Results	Pathology rest submitted. The abundant bloo	Pathology results yielded a proliferation of eosinophilic spindle cells surrounding blood vessels from the specimen that was submitted. The spindle cells were positive for smooth muscle actin, calponin, and desmin. CD31 and CD34 highlight the abundant blood vessels in the mass. These findings were consistent with an angioleiomyoma.							
Discussions	This case aims soft tissue turn diagnosis and approach to di	This case aims to provide insight into the clinical characteristics, histopathological findings, and treatment outcomes of this soft tissue tumor. With differential diagnosis including synovial sarcoma, giant cell tumor, and myxofibrosarcoma, early diagnosis and treatment are paramount. This can be challenging due to the rarity of this tumor and lack of interdisciplinary approach to diagnosis.							
Format	Case Study								
Case Rpt Followup	12								
Student Club									
Classification	Soft Tissue/Tu	ımor							
Level of Evidence	Level IV								
Authors/Financial D	isclosures								
Full Name:	Email:		Disclosure(s) selected:		D	isclosed Organisation(s):			
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Submission ID	05-01134				Ref ID CS-1134
Title	Plantaris	Weave Gr	aft to Augment in	Achilles Tendo	n Rupture: A case study
Submit Date	10/14/2024				
Correspondent	Last Name: Full Name: Practice/Comj	Ayazi Tarina pany/Resideno	cy Program:	Email: MedStar Wa	tarinaayazi@gmail.com shington Hospital Center
Authors	Author 1: Author 3: Author 5: Author 7:	Tarina Ayaz	i	Author 2: Author 4: Author 6: Author 8:	Paul Carroll, DPM
Purpose	It is estimated is the end-to-e Directly adjac various surgic	that Achilles end repair. Ho ent to the Ach al repairs of th	tendon injuries account f wever, large may require nilles tendon is the plantat he Achilles tendon.	or 50% of all sports re- tendon lengthening, to ris longus tendon. Thi	lated injuries. The most common surgical repair endon transfers or grafts to repair the tendon. s tendon has been used as an augmentation to
Methodology					
Procedures	This case repo spur came to o bike 10 days p examination re tendon rupture	ort of 61 year our clinic after orior to initial evealed positi e.	old male with several yea r failed conservative treat scheduled visit. History r ve Thompson's test and a	r history of right Achi ment subsequently su evealed rupture of Ac palpable 2 cm defect	lles tendinitis as well as posterior calcaneal heel stained Achilles tendon rupture while riding his hilles tendon after chronic tendinitis. Physical at the watershed area. MRI confirmed Achilles
Results	Surgical mana performing the to the medial a noted.	gement consi e V-Y tendon aspect of the A	sted of open repair of the lengthening. The plantari Achilles tendon to reinfor	Achilles tendon whic s tendon was identifie ce the medial aspect o	h led to a large proximal medial gap defect when d. In a weave fashion, the tendon was tenodesed f the v-Y tendon lengthening where the gap was
Discussions	This case repo The plantaris where the med	ort introduces tendon was vi dial gap was n	a promising surgical man able option due to its ana toted.	agement in active pat tomic orientation allo	ients with large gap defects in Achilles tendon. wing for coverage over Achilles tendon repair
Format	Case Study				
Case Rpt Followup	12				
Student Club					
Classification	Trauma				
Level of Evidence	Level IV				
Authors/Financial D	isclosures				
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Altrazeal

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Submission ID	05-01141				Ref ID CS-1141			
Title	Case serie	Case series on plantar fascia tear and review of recent literature						
Submit Date	10/14/2024							
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Purpose	While plantar patients were presentation, recent literatu	While plantar fasciitis is a common condition found in athletes, plantar fascia tear is a much rarer condition. A series of patients were seen in the office with this injury. This paper aims to review these cases and correlate them with clinical presentation, diagnosis, role of imaging studies, such as ultrasound and MRI, in confirming the diagnosis and a review of recent literature on treatment of these rare injuries.						
Methodology								
Procedures	Multiple patie relating to phy physical rehal	ents were seen ysical activities bilitation. All r	in clinic with physical ex s. All patients were treate recovered without compli	camination as well as a with a combination cations and none need	MRI results with acute plantar fascia tears of steroid injection, supportive orthotics and ed to be escalated to surgical intervention.			
Results	Plantar fascia rehabilitation improvement	tears and rupt 100% of the planta	ures can be treated conse patients reported improve r fasciitis pain.	rvatively with support ement in their sympton	ive orthotics, shoe gear as well as physical as as well as some patients reported			
Discussions	The baseline Conservative and Logroscin Ultrasound re with conserva	The baseline treatment for plantar fascia tears is conservative, with surgery recommended only if these methods fail. Conservative therapy includes immobilization, rest, analgesia, and physical therapy. Studies by Cocco et al., Costa et al., and Logroscino et al. show favorable patient outcomes and recovery of function through non-surgical approaches. Ultrasound results demonstrated healing, with no residual inflammation in patients. Based on these studies, patients treated with conservative care returned to normal functions reinforcing that surgical intervention is treatly necessary.						
Format	Case Study							
Case Rpt Followup	12							
Student Club								
Classification	Trauma							
Level of Evidence	Level IV							
Authors/Financial Di	isclosures							
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):			
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Briravina Hymms, DPM	Bri.Hymms@g	mail.com	I/We have nothing to d	isclose				

Submission ID	05-01144				Ref ID CS-1144				
Title	Pediatric	Pediatric Pedal Bilateral Excision of Longitudinal Epiphyseal Brackets							
Submit Date	10/14/2024								
Correspondent	Last Name: Full Name: Practice/Com	Rifai Amer, J, Ri 1pany/Residen	fai, DPM cy Program:	Email: Loyola Univ	amer.rifai@luhs.org ersity Medical Center				
Authors	Author 1: Author 3: Author 5: Author 7:	Amer J Rifa	ai, DPM	Author 2: Author 4: Author 6: Author 8:	Edwin J Harris, DPM, FACFAS				
Purpose	Longitudinal deformity pro study is to pr leading to a h	epiphyseal bra ogresses, there esent a rare ind allux varus an	acket is a rare growth of is progressive shorten cidence of bilateral peo ad metatarsus adductus	leformity in which the et ing and angular deformit lal longitudinal epiphyse deformity bilaterally.	ology is not completely understood. As the y of the affected bone. The purpose of this case al bracket of the first metatarsal subsequently				
Methodology									
Procedures	A 9-month ol bilateral hallu longitudinal identification polymethylm	d female prese ux varus at the epiphyseal bra on radiograph ethacrylate to	ents with a provisional level of the metatarsop cket. Bilateral abducto hs bilateral longitudina the region of the ident	diagnosis of metatarsus phalangeal joint, shorten r hallucis longus tendons l epiphyseal brackets we ified bracket.	adductus. Initial radiographs demonstrated ed first metatarsal, with the possibility of a were transferred and subsequently following re excised followed by placement of				
Results	Resolution of	f progression c	of bilateral pedal deform	nity					
Discussions	Pedal longitu approach of a metatarsal bi importance o hallux varus	dinal epiphyse an abductor ha laterally. By de f early diagnos seen that may	eal bracket is a rare oss illucis tendon transfer a etailing this case, it is t sis and aggressive treat be seen with longitudin	eous dysplasia of the lon ind subsequent excision of he goal to raise awarenes iment to arrest the progre nal epiphyseal bracket.	g bones. This case report demonstrates a staged of longitudinal epiphyseal bracket of the first is of this uncommon condition to emphasize ssion of worsening metatarsus adductus and				
Format	Case Study								
Case Rpt Followup	12								
Student Club									
Classification	Forefoot Rec	onstruction							
Level of Evidence	Level V								
Authors/Financial D	oisclosures								
Full Name:	Email:		Disclosure(s) selecte	d:	Disclosed Organisation(s):				
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Edwin J Harris, DPM, FACFAS	eharri1@lumc.	org	Member of a medic	al publication or editoria	governing board Editor JFAS				

Submission ID	05-01145					Ref ID CS-1145			
Title	A rare Ca	A rare Case of Spitz Nevus in the Foot in a young healthy male							
Submit Date	10/14/2024								
Correspondent	Last Name: Full Name: Practice/Com	Nguyen Khoa Nguye pany/Residenc	n y Program:	Email Phoen	l: 1ixville h	khoapete@gmail.com ospital			
Authors	Author 1: Author 3: Author 5: Author 7:	Jason Miller Justine Card	DPM FACFAS ino DPM PGY2	Autho Autho Autho Autho	or 2: or 4: or 6: or 8:	Mubat Dohvoma DPM PGY2			
Purpose	Spitz nevus is children and a with a red-bro	a benign mela adolescents but own coloration.	nocytic tumor that prese can occur at any age. Sp . This study presents a ca	nts as a rapidly pitz nevi are typ ase of this rare le	growing pically do esion.	, pigmented skin lesion. Most commonly in me-shaped, symmetric, and well-demarcated,			
Methodology									
Procedures	A 19-year-old the patient als During surger nevus.	male presente to had a left late y, the lesion w	d after a traumatic injury eral heel lesion which we as resected and sent for j	y to the right 5th as noted to be m pathology. Patho	n digit, wi nobile an ologic an	hich required surgical repair. On examination, d rapidly growing in size in the past 5 months. alysis of the lesion was consistent with a spitz			
Results	After removal for another 7 recurrent appr	After removal of the Spitz nevus, the patient was noted to have mild focal edema at excision site. Sutures were kept intact for another 7 days, which was then removed without any immediate complications. Patient remains healed with no recurrent appreciated.							
Discussions	A confirmed o metastasis. Bi pruritus, locat includes Reed histopatholog	case of Spitz N opsy results sh ion, age, perso l nevi, cellular y and clinical p	evi by presentation and l tould be taken in the con nal and family history, o blue nevi, or pigmented presentation in the diagno	biopsy are linke text of patient sp or other melanor epithelioid mela osis and manage	ed with fa pecific pr ma risk fa anocyton ement of	vorable prognosis as they rarely lead to resentation of recent change, pain, bleeding, actors. Differential diagnosis histologically ha which reinforces importance of spitz nevi.			
Format	Case Study								
Case Rpt Followup	12								
Student Club									
Classification	Soft Tissue/To	umor							
Level of Evidence	Level IV								
Authors/Financial Di	sclosures								
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):			
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Submission ID	05-01146				Ref ID CS-1146
Title	Running in an 18-y	Against th /ear-old Co	e Odds: Bilateral ollegiate Cross-Co	Tarsal Tunnel S Jountry Runner: A	yndrome from Accessory Muscle A Case Report
Submit Date	10/14/2024				
Correspondent	Last Name: Full Name: Practice/Com	Bhalala Yashkumar . pany/Residenc	Anilkumar Bhalala DPM 29 Program:	Email: Corewell Hea	ybhalala@kent.edu alth Hospital - Michigan
Authors	Author 1: Author 3: Author 5: Author 7:	Yashkumar .	Anilkumar Bhalala DPM	Author 2: Author 4: Author 6: Author 8:	Blake Brannick DPM
Purpose	Tarsal tunnel through the ta syndrome is r underlying sy	syndrome (TT arsal tunnel on relatively rare a rstemic or anat	S) is a rare nerve compre the inside of the ankle. V and presents unique diagr omical causes, such as ac	ession condition involve While unilateral cases and nostic and therapeutic construction of the	ing the posterior tibial nerve as it passes re more common, bilateral tarsal tunnel challenges. Bilateral cases often indicate na, or metabolic conditions.
Methodology					
Procedures	An 18-year-o medial aspect symptom reli Tinel's sign b failed conserv	ld female colle t of both ankles ef. The persiste ilaterally, and vative treatmen	giate cross-country runn s, initially diagnosed as p ent pain led her to consid MRI identified an access tts bilateral surgical deco	er presented with bilate lantar fasciitis. She rec er ending her athletic c ory muscle compressin mpression with excisio	ral foot pain, tingling, and numbness along the eived multiple corticosteroid injections, with no areer. Physical examination revealed positive g the tibial nerve in both tarsal tunnels. After n of the accessory muscle was performed.
Results	13 months po competition v	st operation, th vithout pain, su	ne patient experienced sig accessfully resuming her	gnificant relief from syn athletic career.	mptoms. She returned to full training and
Discussions	Misdiagnosis anatomical is Misdiagnosis crucial for pro	of tarsal tunne sues like acces can lead to un oper diagnosis	el syndrome (TTS) as pla sory muscles. Conservati necessary procedures and and timely surgical inter	ntar fasciitis is commo ive treatments may fail l delayed recovery. Eau vention, allowing symp	n, especially in rare bilateral cases involving , often requiring surgical decompression. Iy imaging and a high suspicion index are tom resolution and athletic recovery.
Format	Case Study				
Case Rpt Followup	13				
Student Club					
Classification	Soft Tissue/T	umor			
Level of Evidence	Level IV				
Authors/Financial D	isclosures				
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):
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Submission ID	05-01147				Ref ID CS-1147	
Title	Pediatric	Pigmented	l Dermatofibrosarcoma	a Protubera	ans (Bednar Tumor) in the Foot	
Submit Date	10/14/2024					
Correspondent	Last Name: Full Name: Practice/Com	Luu Sandra J Luo pany/Residenc	u, DPM y Program:	Email: Loyola Unive	sandra.luu@luhs.org rsity Medical Center	
Authors	Author 1: Author 3: Author 5: Author 7:	Sandra J Lu Edwin J. Ha	u, DPM rris, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Amer J. Rifai, DPM	
Purpose	This case stud potential diffe	y examines a rential diagno	rare presentation of Bednar tumo sis when presented in the foot.	r in a 10-year-o	old girl. We hope to inform the reader of this	
Methodology						
Procedures	Pigmented de infiltrates dee melanin, disti metastatic pot presented with hyperintensity	rmatofibrosarc p into the dern nguishes it fro ential, it has b a a misdiagnos r on T2 withou	coma protuberans (PDFSP), also nis and adipose tissue, characteri m dermatofibromasarcoma protu een shown to have a high local r eel lesion on the dorsal aspect of tt tendon or bone involvement.	known as Bedr zed by a fascicu berans. Althou ecurrence rate, 'her foot. Initial	ar tumor, is a rare fibrous skin tumor that ular growth pattern. Its pigmentation, due to gh of intermediate malignancy with low quoted between 20% and 50%. Our patient MRI showed hypodensity on T1 and	
Results	The patient underwent an initial unplanned 1-cm wide excision with positive margins findings of PDFSP. A subsequent chest X-ray ruled out pulmonary metastasis. Follow-up MRI indicated infiltrative soft tissue lesions around the second and third metatarsals, prompting a re-excision with 3-cm margins five months later, resulting in clear margins. At the 24-month follow-up, the patient remains symptom-free with no recurrence.					
Discussions	This case high recognizing p the necessity	lights a rare in igmented varia of thorough pr	nstance of Bednar tumor in the p ants of dermatofibrosarcoma prot e- and post-operative evaluations	ediatric populat tuberans, which s for accurate di	ion. It underscores the importance of may mimic other skin lesions, and emphasizes agnosis and management.	
Format	Case Study					
Case Rpt Followup	24					
Student Club						
Classification	Soft Tissue/Tu	imor				
Level of Evidence	Level IV					
Authors/Financial Di	sclosures					
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):	
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Submission ID	05-01149					Ref ID CS-1149			
Title	Hyperbari	Hyperbaric Oxygen: A Lifeline for Amputated Digits							
Submit Date	10/14/2024								
Correspondent	Last Name: Full Name: Practice/Compa	Espinoza Maribel, Espin any/Residency I	oza, DPM, MS, PGY2 Program:	Email: UF Health	maribel.espino	za@jax.ufl.edu			
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Purpose	Open fractures no longer be via evaluate the eff	Open fractures of the digits are frequently encountered injuries. In trauma, physicians must determine when salvage may no longer be viable. While some advocate for primary amputation, others recommend limb salvage. This case aims to evaluate the efficacy of hyperbaric oxygen therapy (HBOT) in the management of a near-total traumatic hallux amputation.							
Methodology									
Procedures	A 24-year-old r following an in addition to stan a safe intervent increases the bl and improving	A 24-year-old male with no medical history presented with an open, comminuted, partially amputated, right hallux following an injury with a circular saw. Initial management included irrigation, debridement, and primary closure. In addition to standard trauma care, the patient subsequently underwent HBOT as part of the postoperative regimen. HBOT is a safe intervention where the patient breathes oxygen at two times normal atmospheric pressure. Enhanced oxygen delivery increases the blood's oxygen-carrying capacity, triggering the release of growth factors and stem cells, reducing edema, and improving leukocyte function.							
Results	The patient und were reduced to refill.	The patient underwent multiple rounds of HBOT. Initially, treatments occurred daily, and as the wound stabilized, sessions were reduced to weekly intervals. Despite the initial severity of the injury, the patient retained the digit with intact capillary refill.							
Discussions	HBOT is not a Despite this, ev explored its use severe, acute lii	HBOT is not a universally accessible treatment, with availability and insurance coverage posing significant barriers to care. Despite this, evidence supports its role in wound healing, particularly for chronic conditions. However, few studies have explored its use in acute trauma. This case highlights the potential of HBOT as a valuable adjunct in the management of severe, acute limb injuries, providing a perspective on its applications beyond chronic wound care.							
Format	Case Study								
Case Rpt Followup	12								
Student Club									
Classification	Trauma								
Level of Evidence	Level IV								
Authors/Financial D	isclosures								
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):			
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Submission ID	05-01150				Ref ID CS-1150				
Title	Catastrop Monorail	Catastrophic Open 1st Metatarsal Trauma due to Chainsaw Treated via External Monorail followed by Internal Fixation with Bicortical Calcaneal Autograft							
Submit Date	10/14/2024								
Correspondent	Last Name: Full Name: Practice/Com	Moradia Bhakti Mora pany/Residenc	idia, DPM y Program:	Email: Mercy Healtl	bmoradia@kent.edu n Regional Medical Center				
Authors	Author 1: Author 3: Author 5: Author 7:	Bhakti, Mor Alex, Bischo	adia, DPM off, DPM AACFAS	Author 2: Author 4: Author 6: Author 8:	Denis, Agbor, DPM Joseph, Saxon, DPM AACFAS				
Purpose	Initial staging devastating na issue deficits temporary ext of the externa The combinat	Initial staging of open isolated 1st metatarsal shaft trauma poses a unique challenge to foot and ankle surgeons due to the devastating nature of a Gustilo Anderson 3A type of injury. Severely comminuted metatarsal shaft fractures with large soft issue deficits that are not amenable to open reduction internal fixation can reasonably be treated by a first stage of temporary external fixation to restore limb length and allow soft tissue healing. The final surgical stage consists of removal of the external monorail, open reduction internal fixation of 1st metatarsal fracture, procurement of calcaneal autograft. The combination of and calcaneal autograft incictable allocaraft maximizes incorporation potential							
Methodology									
Procedures	This 44 year of laceration on	old male present the dorsum of	nts with an open comminu the left foot.	ted shortened displac	ed fracture of the first metatarsal and 8 cm				
Results	Excellent pos activates insid	toperative alig de his normal s	nment maintained with 10 hoe gear	0% consolidation of f	racture. Patient has returned to all regular				
Discussions	Large bone vo cm is unlikely allograft prov proper bone a subsidence. T provides rigic	oids following without autog rides all 3 osteo apposition to in The use of dual I triplanar stabi	trauma in the metatarsal a genous supplementation. A conductive, osteoinductiv crease the creeping substit plate construct dorsally ar lity of the proximal and di	re difficult to overcor utogenous calcaneal e, and osteogenic pro tution healing process id medially at the sha istal bone as well as the	ne. Cadaveric graft incorporation greater than 3 autograft in combination with injectable perties. The autograft must fit tightly with , but not compressed to prevent graft ft with bicortical purchase of all screws ne autograft.				
Format	Case Study								
Case Rpt Followup	14								
Student Club									
Classification	Trauma								
Level of Evidence	Level IV								
Authors/Financial Di	sclosures								
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-01152					Ref ID CS-1152
Title	A Multidi Cell Carc	isciplinary App inoma of the Fo	roach to a Rare oot	e Case of Cut	aneous Kerat	tinizing Squamous
Submit Date	10/14/2024					
Correspondent	Last Name:	Poonja Alisha I Poonia DP	Μ ΓΑΓΓΑS	Email	alishanoonia@	gmail.com
	Practice/Com	pany/Residency Progr	ram:	Rose Zivot F Reconstructi	Fellowship in Limb	o Salvage and Foot
Authors	Author 1:	Kaylie Terauds		Author 2:	Kevin Perry Dl	PM FACFAS
	Author 3:	Karim Manji DPM	FACFAS	Author 4:	John Toole DP	M FACFAS
	Author 5:	Alisha Poonia DPM	I FACFAS	Author 6:		
	Author 7:			Author 8:		
Purpose	We present a	rare case of cutaneous	keratinizing squame	ous cell carcinoma	of the foot, requiri	ing multidisciplinary care.
Methodology						
Procedures	A 77-year-old unremarkable head. Ultraso treatment, the analysis of a	I male with diabetes and e serial monitoring ima und showed a 2 cm so e mass persisted and w squamous cell carcino	nd a history of lung c aging) presented with lid mass, initially sus as not amenable to a ma, with no prior ulc	cancer (s/p lobector a a painful soft tiss spected to be a fibr spiration. Surgical ceration or epiderm	ny in 2021 with cu ue mass under the oma or chronic bu resection was perf al findings.	arative intent and right foot fifth metatarsal rsitis. Despite conservative formed with pathologic
Results	The patient w progression o reconstruction specimen, wi	vas promptly referred t if the forefoot mass. Pl n and split thickness sl th residual positive ma	o oncology where a lastic surgery perform kin graft. Pathology i argins. The patient co	PET scan showed 1 ned a wide local ex indicated morpholo ompleted radiothera	no further metastas ccision with fascio gic consistency be upy without recurre	sis, and MRI revealed cutaneous pedicle flap etween thoracic and cutaneous ence and remains ambulatory/
Discussions	This case hig deep soft tiss original lung very rare pres	hlights the complexity ue mass with no epide cancer or a new prima sentation and physician	of care involving nu rmal involvement, ra ury foot cancer. Cutar ns should be prudent	imerous surgical ar iising questions abo neous metastasis to to perform a biops	nd medical specials out whether it repro- the foot with the o y of any suspiciou	ities. Notably, the lesion was a esented metastasis from his diagnosis of lung cancer is a Is soft tissue masses.
Format	Case Study					
Case Rpt Followup	13					
Student Club						
Classification	Soft Tissue/T	umor				
Level of Evidence	Level IV					
Authors/Financial I	Disclosures					
Full Name:	Email:		Disclosure(s) selected	ed:		Disclosed Organisation(s):
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Submission ID	05-01153				Ref ID CS-1153		
Title	P3-ANCA Medical I	Vasculitis and nterventions	Vasculitic Ulcers:	Comprehe	nsive Care Through Surgical and		
Submit Date	10/14/2024						
Correspondent	Last Name:	Chin					
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	Practice/Com	pany/Residency Prog	gram:	Baylor Scott a	& White Temple		
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	Author 3:	Anjali Chandra, D	PM	Author 4:	Inez A. Puente, DPM		
	Author 5:	Sujit E. Johnston,	DPM	Author 6:			
	Author 7:			Author 8:			
Purpose	The purpose of ANCA positir wound care a promote effect	of this case report is to ve vasculitis. This ca nd medical managene- tive wound healing.	to illustrate the complexitie se emphasizes the need for nent, specifically rheumatol	s of managing a multidiscipli ogic treatment	vasculitic ulcerations in a patient with P3- nary approach that integrates both surgical to control the underlying systemic disease and		
Methodology							
Procedures	This case invo ulcerations or received mult negative pres therapy, guide	olves a 66-year-old fi a both lower extremit iple therapeutic inter sure wound therapy. ed by rheumatology,	emale with a history of P3- ies. Vasculitic ulcers are a ventions, including wound Simultaneously, her underly to control flare-ups and fac	ANCA-positive recognized con debridement, s ying vasculitis ilitate ulcer her	e vasculitis, who presented with vasculitic uplication of systemic vasculitis. The patient kin substitute allograft placement, and was managed with immunosuppressive uling.		
Results	The patient us substitute allo closure of the preventing fu	The patient underwent a total of four surgical procedures, including wound debridements and the application of a skin substitute allograft. Despite these efforts, the healing process was prolonged, taking approximately one year to achieve full closure of the ulcerations. During this period, her vasculitis was effectively controlled through immunosuppressive therapy, preventing further disease flare-ups and supporting the wound healing process.					
Discussions	This case hig underscores t essential to ac critical for lo	hlights the challenges he importance of a m chieving a successful ng-term healing in pa	s of managing vasculitic uld ultidisciplinary approach. outcome. Effective manag tients with vasculitic ulcers	cerations in the The collaborati ement of both t	context of P3-ANCA positive vasculitis and on between podiatry and rheumatologists was he local wound and the systemic disease is		
Format	Case Study						
Case Rpt Followup	17						
Student Club							
Classification	Wound Care/	Infectious Diseases					
Level of Evidence	Level IV						
Authors/Financial D	oisclosures						
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):		
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Submission ID	05-01155				Ref ID CS-1155				
Title	A Rare Ca	A Rare Case of Soft Tissue Mass in the Foot: Angioleiomyoma							
Submit Date	10/15/2024								
Correspondent	Last Name: Full Name: Practice/Comj	Rivera Aviles Frances pany/Residency	y Program:	Email: Beth Israel D	friveraa@bidmc.harvard.edu eaconess Medical Center				
Authors	Author 1: Author 3: Author 5: Author 7:	Frances Rive	ra Aviles, DPM	Author 2: Author 4: Author 6: Author 8:	John T Marcoux, DPM, FACFAS				
Purpose	Present a rare diagnosis of p	case of soft tiss atients with slo	sue mass in the foot and empha w growing soft tissue mass in t	size the importa	nce of angioleiomyoma in the differential nity.				
Methodology									
Procedures	A 66-year-old plantar aspect tender to palp plantar hindfo confirmed ang arising from s constituting al malignancy. T simple excisio	male with a his of his left heel. ation. MRI sho ot, characterize gioleiomyoma u ubcutaneous bl bout 4.5% of be ypically presen on due to low re	story of Lyme disease presente Physical examination revealed wed a well-circumscribed 1.5 s db y T1 hypointensity, T2 hyp upon surgical resection. Angiol ood vessel tunica media. It pre- enign soft tissue tumors and 0.2 atting as firm, circumscribed non currence rates.	d with a 4-year d a 1.5cm mobil a 1.0 x 1.0 cm le erintensity, and eiomyoma, or v dominantly affe % of foot and a dules under 2cm	history of a slowly enlarging lump on the e, firm mass on the plantar medial aspect, non- sion in the subcutaneous tissues of the medial enhancement. Histopathological analysis ascular leiomyoma, is a rare, benign tumor ets females (2:1 ratio) aged 30-60 years, nkle tumors, with a 1% association with h, these tumors are effectively treated with				
Results	Histopatholog	ical analysis co	onfirmed angioleiomyoma upor	n surgical resect	ion.				
Discussions	This case und tissue tumors improved oute	erscores the impof the lower excores.	portance of considering angiolo tremity. Clinician awareness ar	eiomyoma in the id accurate diag	e differential diagnosis of slow-growing soft nosis are crucial for timely treatment and				
Format	Case Study								
Case Rpt Followup	15								
Student Club									
Classification	Soft Tissue/Tu	umor							
Level of Evidence	Level IV								
Authors/Financial Di	sclosures								
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-01156				Ref ID CS-1156
Title	Medial Pla Column Cl	ntar Arte narcot: A	ery Flap and Tibiotaloc Retrospective Case Ser	alcaneal Fu ries	sion in the Treatment of Lateral
Submit Date	10/14/2024				
Correspondent	Last Name:	Westerveld			
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	Practice/Compa	ny/Residenc	y Program:	Old Dominion	University
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	Author 5:			Author 6:	
	Author 7:			Author 8:	
Purpose	Soft tissue cove surgeon. In the coverage of sof who underwent	erage of the p present study t tissue defec medial plant	lantar foot in the presence of oss , we share our clinical experienc ts caused by charcot neuroarthro tar artery flaps and subsequent til	eous deformity j e with the use o pathy. A retrosp biotalocalcaneal	poses a unique challenge to the reconstructive f the medial plantar artery-based flap for ective case series is presented on 7 patients fusion.
Methodology					
Procedures	Medial plantar a fasciocutaneous	artery flap, aj s pedicled fla	pplication of external fixator, tibi ps based on the medial plantar ar	iotalocalcaneal f rtery. All the pro	usion. All the flaps were raised as sensate cedures were performed by a single surgeon.
Results	Of the 7 patient venous congest observed in 1 pa were no major a	s, 5 were ma ion and was atient. 3 of th amputations i	le and 2 were female. 6 of 7 med debrided. The donor site was cov le patients had to undergo explan in our cohort.	lial plantar arter rered with a split station of nail an	y flaps healed uneventfully. 1 flap failed due to -thickness skin graft. Partial graft loss was d placement of antibiotic nail. At 1 year, there
Discussions	From our result deformity cause and ulcer-free for	s, the medial ed by charcot oot to patient	plantar artery flap in combinatic . The technique is more accessib ts.	on with TTC nai le, has reduced o	ling is an important to treat soft tissue loss and donor site morbidity and offers a plantigrade
Format	Case Study				
Case Rpt Followup	12				
Student Club					
Classification	Rearfoot and An	nkle Reconst	ruction		
Level of Evidence	Level IV				
Authors/Financial Di	sclosures				
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):
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Submission ID	05-01157				Ref ID CS-1157			
Title	Prophyla Amputati	Prophylactic Posterior Tibial Tendon Release for Equinovarus Deformity in LisFranc Amputation: A Novel Case Series						
Submit Date	10/14/2024							
Correspondent	Last Name: Full Name: Practice/Com	Andrews Linsey, M, And pany/Residency I	rews, DPM Program:	Email: MedStar He	linsey.andrews@medstar.net alth			
Authors	Author 1: Author 3: Author 5: Author 7:	Linsey, M, And Jayson, Atves,	irews, DPM DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Sarah, A, Mansager, DPM Christopher, Attinger, MD			
Purpose	Equinovarus literature reco posterior teno midfoot ampu and reduce ris	contractures are c ommends correcti- lon transfers. This atation, for deform sk of infection by	ommonly seen after Lis on of this biomechanica case series details use nity prevention. This ap eliminating use of sutu	Franc level amputat al deformity via achi of a posterior tibial (proach can help avo re or implant materia	ions due to muscular imbalances. Current lles tendon lengthening and tibialis anterior or PT) tendon release, performed at time of id re-ulceration during the postoperative period ıls utilized in tendon transfers.			
Methodology								
Procedures	Three patient was performe dissection at adjacent flexe	s underwent LisF d by making an a his level allowed or tendons. The P	ranc amputations with a pproximately 2 cm inci for direct tendon visual Γ was then incised utiliz	achilles tendon lengtl sion just proximal ar lization. PT isolation zing a #15 blade.	nening and PT tendon release. The PT release ad posterior to the medial malleolus. Soft tissue was confirmed by manual testing of the			
Results	Patients were present. Amp	monitored during utation sites heale	routine clinical follow d, without need for re-o	up. At 12 months, the operation related to be	nere was no notable equinovarus deformity iomechanical complications or deformities.			
Discussions	LisFranc amp appropriate u addressed pro posterior tibia rates associat	outation can predia nderstanding of the phylactically. Los al tendon. This ap ed with implant n	spose patients to develo ae biomechanical implic ss of the mechanical pu proach may be utilized naterials used for tradition	pment of equinovary cations of midfoot ar ll from the peroneus in high risk limb sal- onal tendon transfers	as contracture postoperatively. However, with nputation, prevention of this deformity be brevis can be balanced with release of the vage patients to reduce postoperative infection 5.			
Format	Case Study							
Case Rpt Followup	12							
Student Club								
Classification	Biomechanic	s and Anatomy						
Level of Evidence	Level IV							
Authors/Financial D	Disclosures							
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Submission ID	05-01158					Ref ID CS-1158		
Title	Hyaluroni Technique	dase Enzy with Rev	vmatic Injections for Tr iew of Etiology, Case Se	eatment of eries and C	Ledderhose urrent Lite	e's Disease: A Novel rature		
Submit Date	10/14/2024							
Correspondent	Last Name: Full Name: Practice/Comp	Boudreau Alyson, R, E any/Residenc	Boudreau, DPM y Program:	Email: Medstar Healt	alyson.boudrea h Podiatric Surg	u@medstar.net ery Residency Program		
Authors	Author 1: Author 3: Author 5: Author 7:	Alyson, R, E Paul, J, Carr	3oudreau, DPM oll, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Haoning, Hu, I Ed, Davis, DPM	DPM M, FACFAS		
Purpose	This case serie alternative to s	s highlights th urgery. The fo	ne use of hyaluronidase injections ocus is on the enzyme's ability to	s in treating Leo reduce fibrotic	dderhose's Disea tissue and allevi	se, offering a less invasive ate symptoms.		
Methodology								
Procedures	Three patients spaced three w Case 1 involve nodule reduced male with pain Recurrence occ a 65-year-old f two years after	with plantar f reeks apart, an ed a 49-year-o d to 0.2 cm, ar ful masses on curred at six a remale with bi	ibromatosis were treated with hy d were advised to use topical ver ld female with a painful nodule (nd the patient remained pain-free both feet. After three injections, nd eleven months but was succes lateral plantar fibromatosis who ons, with re-occurrence to left fo	aluronidase inje apamil cream to 0.8 cm) on the b at the one-year fibroma size do ssfully managed demonstrated s ot that is current	ections: series of o prevent recurred left plantar fascia follow-up. Case ecreased significe d with conservati imilar results wit tty being treated	3-4 hyaluronidase injections, ence after symptom resolution. a. After four injections, the 2 presented a 59-year-old antly, and pain resolved. vve treatment. Case 3 presented h sustained symptom relief for per protocol.		
Results	All patients ex and managed e	perienced not effectively wit	able pain relief and fibroma redu h follow-up treatments.	ction following	the injection ser	ies. Recurrence was minimal		
Discussions	Hyaluronidase symptom reliet demonstrates p	injections off f and reducing ootential for lo	fer a promising non-surgical optic g recurrence when used with adju ong-term management with minir	on for treating I inctive therapies mal interventior	Ledderhose's Dis s like verapamil ns.	ease, providing significant cream. This approach		
Format	Case Study							
Case Rpt Followup	12							
Student Club								
Classification	Soft Tissue/Tu	mor						
Level of Evidence	Level IV							
Authors/Financial Di	isclosures							
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):		
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Submission ID	05-01162				Ref ID CS-1162			
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Title	Pediatric Extremity	Tibial Nerve y and the Rol	Schwannoma: A l e of Advanced Net	Rare Case of rve Surgery	Nerve Tumor in the Lower in Podiatric Practice			
Submit Date	10/15/2024							
Correspondent	Last Name: Full Name:	Robinson Patrick M. Robi	inson, DPM, MS	Email:	patrick.robinson1@bswhealth.org			
	Practice/Com	npany/Residency P	rogram:	Baylor Scott University S	and White Memorial Hospital / Baylor chool of Medicine			
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	Author 3:	Douglas P. Mur	doch, DPM FACFAS	Author 4:	Richard N. Goad, DPM, MA, FACFAS			
	Author 5:			Author 6:				
	Author 7:			Author 8:				
Purpose	The primary Our case stud and nerve pat	The primary purpose of this single case report is to present a rare case of a tibial nerve schwannoma in a pediatric patient. Our case study involving a 13-year-old patient with a tibial nerve schwannoma represents a rare intersection of pediatrics and nerve pathology in the field of foot and ankle surgery.						
Methodology								
Procedures	A 13-year-old ovoid soft tis tumor yet syr intervention t despite being 51 cases of so	d Hispanic male was sue mass that was novial sarcoma cou to prevent long-ter, benign, are uncon chwannomas in the	as referred for evaluation tender to palpation with a uld not be excluded. This of m complications associate nmon in the lower extrem e foot reported between 19	of a mass on his l positive Tinel's s case demonstrates ed with nerve turn ities. A literature 996 and 2017, un	eft ankle. Physical exam and MRI revealed an ign, consistent with a peripheral nerve sheath the importance of early diagnosis and surgical ors and nerve compression. Schwannomas, review by Angelini et al. (2017) identified only lerlining their rarity.			
Results	The patient u The patient h	nderwent surgical ad an uneventful r	excision of the mass which ecovery and at 36-month	ch was sent to path follow-up, there v	hology revealing the diagnosis of Schwannoma. vas no evidence of recurrence.			
Discussions	This case der contributing t managing the ensure optime	This case demonstrates the application of advanced nerve surgery techniques in foot and ankle surgery while also contributing to the limited literature on lower extremity schwannomas. It highlights the role foot and ankle surgeons play in managing these rare tumors. Further research is needed to refine treatment protocols, particularly in pediatric patients, to ensure ontimal outcomes.						
Format	Case Study							
Case Rpt Followup	36							
Student Club								
Classification	Soft Tissue/T	umor						
Level of Evidence	Level IV							
Authors/Financial D	lisclosures							
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Submission ID	05-01165				Ref ID CS-1165		
Title	Treatmen Report	t of Iatrog	enic Foot Drop with Til	bial to Pero	oneal Nerve Transfer: A Case		
Submit Date	10/14/2024						
Correspondent	Last Name:	Ozturk					
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	Practice/Comj	pany/Residenc	y Program:	New York Pre Hospital	sbyterian Hospital Brooklyn Methodist		
Authors	Author 1:	Aysegul Ozt	urk, DPM	Author 2:	Fathima Nashra Naushad, DPM		
	Author 3:	Wolfgang K	ienzle, DPM	Author 4:	Lisa Gfrerer, MD, PhD		
	Author 5:			Author 6:			
	Author 7:			Author 8:			
Purpose	Foot drop can option for foo establishment	be a debilitati t drop in early of foot dorsifl	ng deformity characterized by ina stages. In this case, we will discu exion.	ability to dorsif uss tibial to per	lex the foot. Nerve transfer can be a treatment oneal nerve transfer for drop foot and re-		
Methodology							
Procedures	A 70 year old left total hip re removal of a s postoperativel patient had re demonstrated	female with a eplacement on uture from the y. Patient unde gained M4 mu significant mo	notable history of atrial fibrillatio 6/22/22. Patient reported severe sciatic nerve was performed. Pa erwent left tibial deep peroneal no scle strength and was able to wal tor unit potential and improved fi	on, hypothyroid pain and loss o tient had chron erve transfer or k without her a unction.	lism, ulcerative colitis, and hip pain, underwent f function to left foot on 3/17/23. Emergent ic pain, numbness, and weakness 07/14/2023. In the postoperative period, the nkle-foot orthosis. On electromyography, she		
Results	The checkpoir did lead to mi post neurolysi visible ankle c	The checkpoint stimulator was used intraoperatively to determine motor function. The superficial peroneal nerve branch did lead to mild function in the lateral compartment muscles and the tibial nerve was stimulated with good motor function post neurolysis. The Anterior Tibialis muscle was noted to have M1 muscle function at initial follow up and M4 with visible ankle dorsiflexion by final follow up.					
Discussions	Nerve transfer detailed accou postoperative	can be a viab int of the surgi rehabilitation.	le and successful treatment option cal technique, including preopera	n for iatrogenic ative assessmer	foot drop patients. This case study provides a ts and considerations, surgical procedure, and		
Format	Case Study						
Case Rpt Followup	13						
Student Club							
Classification	Neurological/	Peripheral Ner	ve Disorders				
Level of Evidence	Level IV						
Authors/Financial Di	isclosures						
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Submission ID	05-01171				Ref ID CS-1171			
Title	Prophyla Novel Ca	ctic Achilles se Series	Tenectomy for Equir	us Preven	tion in Chopart Amputations: A			
Submit Date	10/14/2024							
Correspondent	Last Name: Full Name: Practice/Com	Andrews Linsey, M, And	łrews, DPM Program:	Email: MedStar Hea	Linsey.andrews@medstar.net Ith			
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Purpose	Diabetic patie this reason, c recurrence du performed, le	Diabetic patients with equinus contracture are at a 4-fold risk of ulceration due to increased forefoot plantar pressure. For this reason, current literature advocates for Achilles tendon lengthening in conjunction with amputation to prevent wound recurrence due to muscular imbalance. This case series documents a novel approach in which an Achilles tenectomy was performed, leading to successful limb salvage in 5 natients with a minimum of one year follow up						
Methodology								
Procedures	Five patients a longitudina proximal to t	underwent Chopa l incision lateral to he clamp, removir	art amputation with prophylac o the tendon at the watershed ng 1-3cm of tendon. An imme	tic achilles ten zone. The achi ediate increase	ectomy. The tenectomy was performed through lles was clamped, cuts were made distal and in ankle dorsiflexion was noted in all patients.			
Results	Five patients the longest for equinus contr	Five patients were monitored during routine clinical follow up. Each patient was followed for a minimum of one year with the longest follow up of 36 months. All five patients were noted to have healed amputation sites with no documented equinus contracture or need for further surgery.						
Discussions	Achilles tend equinus and u lengthening p tenectomy; al utilized for p	Achilles tendon lengthening has become a common adjunct procedure for patients with midfoot amputations to address equinus and ultimately prevent wound recurrence. Despite immediate equinus correction, some studies have found re- lengthening procedures may be required within 12 months. Five patients underwent Chopart's amputation with achilles tenectomy; all are wound free at minimum 12 months with no need for further surgical intervention. This approach may be utilized for patients with decreased baseline functional status as an attempt for limb salvage.						
Format	Case Study							
Case Rpt Followup	12							
Student Club Classification Level of Evidence	Biomechanic Level IV	s and Anatomy						
Authors/Financial D	isclosures							
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Submission ID	05-01172				Ref ID CS-1172
Title	Operative I A Case Rep	Managen oort	ient of a Severe C	harcot Marie T	ooth Deformity in a 15-Year-Old;
Submit Date	10/14/2024				
Correspondent	Last Name:	Olson			
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	Practice/Compa	ny/Residenc	y Program:	Hennepin Co	ounty Medical Center
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	Author 3:			Author 4:	
	Author 5:			Author 6:	
	Author 7:			Author 8:	
Purpose	This case report Charcot-Marie- pediatric pes ca	t describes th Tooth (CMT) vus and focu	e surgical management o) disease. The purpose of s on the surgical techniqu	f a severe cavovarus f this case study is to e ues, postoperative care	oot deformity in a 15-year-old patient with xpand the current literature for symptomatic, , and one-year outcomes.
Methodology					
Procedures	A 15-year-old for demonstrated se osteotomy, navi	emale with se evere pes cav cular cuneifo	evere semiflexible bilater us deformity. Procedural orm fusion, cuboid osteot	al cavovarus deformit selection included trij omy, and Steindler str	y from CMT. Preoperative imaging planar calcaneal osteotomy, Cole closing wedge ipping of the more symptomatic left foot.
Results	Patient underwe Radiographs co uneventful, and fabricated to ass the patient report	ent surgery in nfirmed heal- they had retu sist with som rted no activi	August 2023. They und- ed bone cuts, good aligm urned to regular shoe gea e mild reduction in dorsi ity restrictions and expres	erwent multiple osteot ment, and no hardware r 3 months after the pr flexory strength which ssed satisfaction with	omies and fusions of the mid and rearfoot. e failure. Their postoperative course was cocedure. An AFO with dorsiflexory aid was thas since improved. At their final follow-up, the surgical outcome.
Discussions	The combinatio structure and fur Our case demon functional, rectu severe cavovaru	n of procedu nction. The c astrates the us as limb. The j as deformities	res successfully addresse combined use of osteoton se of this multi-step cavu positive outcomes sugges s.	ed the cavovarus defor- nies and soft tissue rel- s reconstruction in an st this approach could	mity, significantly improving the patient's foot ease effectively corrected the foot deformity. adolescent to correct the deformity and create a benefit more adolescent CMT patients with
Format	Case Study				
Case Rpt Followup	12				
Student Club					
Classification	Rearfoot and Ar	nkle Reconst	ruction		
Level of Evidence	Level IV				
Authors/Financial D	isclosures				
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):
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Submission ID	05-01175				Ref ID CS-1175				
Title	Manager	Management of Failed MIS Bunion Surgery in a Neuropathic Patient: A Closer Look							
Submit Date	10/14/2024								
Correspondent	Last Name: Full Name: Practice/Con	Mizrahi Yona npany/Residency	Program:	Email: Medstar Hea	yona.mizrahi@medstar.net lth				
Authors	Author 1: Author 3: Author 5: Author 7:	Yona Mizrahi, Linsey Andrev	, DPM ws, DPM	Author 2: Author 4: Author 6: Author 8:	Sarah Mansager, DPM Caitlin Zarick, DPM, FACFAS				
Purpose	Minimally ir recovery tim comorbiditie conditions, it for managing	Minimally invasive surgery (MIS) for bunion correction has become increasingly favored for potentials of reduced recovery times and postoperative discomfort. However, surgeons must be mindful of patient specific factors and comorbidities that may lead to complications. When considering MIS bunion correction in patients with peripheral nerve conditions, it is crucial to consider risk of an acute Charcot event. This study aims to present a surgical treatment algorithm for managing failed MIS bunion surgery complicated by peripheral neuropathy.							
Methodology									
Procedures	61-year-old f postoperative swelling was subsidence, s	female with a hist e complications f s noted despite an severe fragmental	tory of lumbar radiculopathy a following MIS bunion surgery tibiotic therapy. Gross osteoto tion, and shortening of the first	and diminished 8 weeks prior. I omy instability v st metatarsal.	lower extremity sensation was referred for Upon presentation, persistent redness and was appreciated. Radiographs revealed screw				
Results	Initial treatment was performed with surgical debridement, hardware removal, and bone culture. External fixation was applied to aid in reduction of fracture fragments, correct deformity, and restore metatarsal length. Patient maintained a strict non-weight bearing protocol postoperatively. Definitive internal fixation was performed four weeks later with a plate and screw construct. At final follow up, radiographs indicated complete osseous consolidation.								
Discussions	There is limi considered to determine ap further studio	ited research on ri o help formulate i opropriate surgica es to evaluate MI	isk factors related to MIS bun individualized treatment plans l intervention. While this case S risks in this patient populati	ion complication . It is imperative illustrates a suc- on is needed.	ns. Relative contraindications must be e to complete a thorough medical evaluation to ccessful outcome in complication management,				
Format	Case Study								
Case Rpt Followup	19								
Student Club									
Classification	Forefoot Rec	construction							
Level of Evidence	Level IV								
Authors/Financial D	isclosures								
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-01176				Ref ID CS-1170				
Title	Myoperic	ytoma A Rare S	Soft Tissue Mass I	Encountere	d in the Foot				
Submit Date	10/14/2024								
Correspondent	Last Name: Full Name:	Poonja Alisha J Poonja DP	M FACFAS	Email:	alisha.poonja@albertahealthservices.ca				
	Practice/Com	pany/Residency Progr	ram:	Rose Zivot F Reconstructio	ellowship in Limb Salvage and Foot				
Authors	Author 1: Author 3: Author 5: Author 7:	Kaylie Terauds Karim Manji DPM Alisha Poonja DPM	FACFAS I FACFAS	Author 2: Author 4: Author 6: Author 8:	Kevin Perry DPM FACFAS John Toole DPM FACFAS				
Purpose	Myopericytor present study	Myopericytomas are rare soft tissue tumors found in the subcutaneous and superficial soft tissues in the extremities. The present study reports a unique case of a myopericytoma located in the forefoot under the third metatarsal head.							
Methodology									
Procedures	A 55 year old directly below	male was referred for the metatarsal head.	a "callus" to his left for	efoot, though th	his was found in the interspace rather than				
Results	An US was pe flow venous r ganglion cyst resection was	An US was performed revealing a soft tissue mass in subcutaneous tissues at the ball of the foot, with a hemangioma / slow flow venous malformation has a differential. A subsequent MRI was performed favouring an epidermal inclusion cyst or ganglion cyst arising from the flexor tendons. He tried conservative treatment with persistent symptoms for which surgical resection was recommended. Pathologic analysis of the mass revealed a myopericytoma. The patient healed uneventfully.							
Discussions	Myopericytor the preoperati needed as pat differential fo	Myopericytomas are benign soft tissue tumours, with features of both glomus tumors and hemangiopericytoma, explaining the preoperative imaging findings. These lesions are usually surgically excised, particularly when a definitive diagnosis is needed as pathologic and immunohistochemical analysis are essential for accurate diagnosis. This case highlights a unique differential for soft tissue masses.							
Format	Case Study								
Case Rpt Followup	13								
Student Club									
Classification	Soft Tissue/T	umor							
Level of Evidence	Level IV								
Authors/Financial E	Disclosures								
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Submission ID	05-01177					Ref ID CS-1177		
Title	Unique S	Unique Surgical Correction of Brachymetatarsia - Use of 3D Printed Custom Implan						
Submit Date	10/14/2024							
Correspondent	Last Name: Full Name: Practice/Con	Kalambet David Kalambet, npany/Residency Pr	, DPM, PGY-2 ogram:	Email: Corewell He	david.kalambet alth East - Wayne	@corewellhealth.org Hospital		
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Purpose	Brachymetat consists of le procedures c consisting of are presentin metatarsal.	Brachymetatarsia is a condition involving congenital shortening of the metatarsal. Surgical intervention traditionally consists of lengthening procedures such as distraction osteogenesis and bone allograft/autograft implantation. These procedures can lead to complications such as graft resorption and stress fracture through the graft site. Intervention consisting of a custom 3-D printed implant maintains a restored metatarsal length and avoids the above complications. We are presenting the first known case of using a 3-D printed custom implant used to maintain a surgically lengthened metatarsal.						
Methodology								
Procedures	The patient i complaining custom impla with a plate a post-operativ observed at 1	The patient is a 55-year-old female with painful brachymetatarsia involving the fourth metatarsal of her left and complaining of 8/10 pain. The patient underwent fourth metatarsal osteotomy with distraction and insertion of 3-D printed custom implant. The patient's fourth metatarsal was successfully lengthened with insertion of the implant and stabilization with a plate and screws. A follow-up procedure to lengthen and straighten the fourth digit was performed at 12 months post-operatively to avoid vascular compromise associated with over-lengthening soft tissue. Complications were not observed at 18 months nost-operatively and the natient is fully weight bearing without pain						
Results	The length o the patient is	The length of the fourth metatarsal and fourth digit was restored and maintained with no post-operative complications, and the patient is ambulating without pain at 18 months post-operatively.						
Discussions	This case hig procedure av depending or	This case highlights a unique surgical procedure for brachymetatarsia with the use of a custom 3-D printed implant. This procedure avoids pitfalls of traditional surgical intervention which have complication rates ranging from 21.1% to 36.5% depending on which procedure is utilized.						
Format	Case Study							
Case Rpt Followup	18							
Student Club								
Classification	Forefoot Rec	construction						
Level of Evidence	Level IV							
Authors/Financial E	Disclosures							
Full Name:	Email:		Disclosure(s) selected	d:		Disclosed Organisation(s):		
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Submission ID	05-01178			Ref ID CS-1178			
Title	Dysplasia Epiphys Pediatric Populati	Dysplasia Epiphysealis Hemimelica in the Lower Extremity - Trevor's Disease in Pediatric Population: A Case Report					
Submit Date	10/14/2024						
Correspondent	Last Name: Naushad						
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Authors	Author 1:Fathima NAuthor 3:Christen NAuthor 5:Author 7:	ashra Naushad, DPM 1. Russo, MD	Author 2: Author 4: Author 6: Author 8:	Aysegul Ozturk, DPM			
Purpose	Trevor's disease, also kno asymmetric limb deformit population. The purpose o in the pediatric population	Trevor's disease, also known as Dysplasia Epiphyseal Hemimelica (DEH), is a rare congenital bone dysplasia that causes asymmetric limb deformity. It is associated with osteocartilaginous overgrowth in the epiphysis affecting the pediatric population. The purpose of this case study is to demonstrate the importance of identifying and diagnosing Trevor's disease in the pediatric population given its aggressive course in the lower extremity.					
Methodology							
Procedures	A 2 year old female patient tender, non mobile bony p from the Magnetic resonant at the distal tibial epiphysit to prevent premature physic	A 2 year old female patient presents with parent for evaluation of worsening left ankle pain and deformity. There was a non tender, non mobile bony prominence noted at the medial malleolus causing the ankle to be in valgus alignment. Findings from the Magnetic resonance imaging (MRI) and Computed Tomography (CT) scan were consistent with Trevor's disease at the distal tibial epiphysis. Patient had recurrence of the osteochondroma lesions that required repeated surgical excision to prevent premature physeal fusions.					
Results	The surgically excised spe compatible with DEH. Th tissue with scant fragment	The surgically excised specimen measuring 5.7 x 4.6 x 1.3 cm of aggregate was diagnosed as osteocartilaginous exostosis compatible with DEH. The pathology report described it as multiple irregular disrupted fragments of tan-gray cartilaginous tissue with scant fragments of pink-tan fibrous tissue and pink-red bony tissue.					
Discussions	Dysplasia Epiphysealis Ho common in male. This cas recognize and diagnose th instability, by promptly de	Dysplasia Epiphysealis Hemimelica (DEH) is an extremely rare disease with an occurrence of 1:1,000,000 and more common in male. This case was reported in a female pediatric patient with no genetic predisposition. It is important to recognize and diagnose the pediatric population as early as possible with Trevor's disease to prevent limb deformity and instability, by promptly developing surgical treatment plans.					
Format	Case Study						
Case Rpt Followup	18						
Student Club							
Classification	Soft Tissue/Tumor						
Level of Evidence	Level IV						
Authors/Financial Di	sclosures						
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Submission ID	05-01179				Ref ID CS-1179			
Title	Intermeta	Intermetatarsal Coalition in a Young Athlete: A Case Study						
Submit Date	10/14/2024							
Correspondent	Last Name: Full Name: Practice/Comp	Wachala Kyle L. Wacha any/Residency I	la, DPM Program:	Email: Christiana Ca	kyle.wachala@christianacare.org re Health Services			
Authors	Author 1: Author 3: Author 5: Author 7:	Kyle L. Wacha	la, DPM	Author 2: Author 4: Author 6: Author 8:	Katherine M. Perscky, DPM, FACFAS			
Purpose	This case pres female athlete	entation was wri was successfully	tten to discuss and educate the y treated for it.	reader on a rai	e intermetatarsal coalition and how a young			
Methodology								
Procedures	A 16 year old and second me conservatively Repeat MRI re Patient present nonosseous co ultimately faile	female athlete in etatarsals. MRI re- . Patient presente edemonstrated stated one year later alition at the firs ed and the decisi	itially presented for evaluation evealed a stress fracture at the ed six months later at the begin ress fracture of the intermediat r, again with similar pain in th t and second metatarsal bases. on was made for surgery.	n of chronic left intermediate cu nning of the spi te cuneiform, a e left foot. A th Patient initiall	foot pain, isolated over the base of the first ineiform and patient was treated ing sports season, with similar left foot pain. nd patient was again treated conservatively. ird MRI was performed, which now showed a y opted for conservative treatment, but			
Results	The intermetat patient began return to sport	The intermetatarsal coalition was surgically resected, with the Lisfranc ligament found to be intact. Post-operatively, patient began protected weightbearing in a boot at 2 weeks, transitioned to supportive shoes and PT at 6 weeks, with full return to sport at 14 weeks, and no residual pain at 8 months postop.						
Discussions	Intermetatarsa believe this ca diagnosed, we anatomic func	Intermetatarsal coalitions are rare in the literature and are more common in the hindfoot, making diagnosis difficult. We believe this case to be congenital, exacerbated through increased stress from high level athletic activity. Once properly diagnosed, we believe that a symptomatic intermetatarsal coalition should be treated with surgical resection, to restore anatomic function, and full return to sport.						
Format	Case Study							
Case Rpt Followup	34							
Student Club								
Classification	Forefoot Reco	nstruction						
Level of Evidence	Level IV							
Authors/Financial D	isclosures							
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Submission ID	05-01183				Ref ID CS-1183
Title	5th metat	tarsal sup	oination: Triplane	Tailor's bunion	correction
Submit Date	10/14/2024				
Correspondent	Last Name: Full Name: Practice/Com	Krueger Seth W Ki ipany/Reside	rueger, DPM ncy Program:	Email: The Ohio St	seth.krueger@osumc.edu ate University Wexner Medical Center
Authors	Author 1: Author 3: Author 5: Author 7:	Seth W Ki	rueger, DPM	Author 2: Author 4: Author 6: Author 8:	Said Atway, DPM
Purpose	Frontal plane and how this provide a con standardized	deformity of may lead to nprehensive way to meas	f the fifth metatarsal bone pathology of the fifth met analysis of the prevalence ure such deformity with s	is not well established atarsal is not well desc of frontal plane rotatio urgical treatment option	and supporting contribution of this deformity ribed in current literature. This study aims to on on tailor's bunion deformities and a ns.
Methodology					
Procedures	Current stand account for th traditional bu will be compa procedures. S	lard measures ne transverse mion deform ared to that o Shape of the 1	ments of the fifth metatar deformity. Metatarsal pro ity but hasn't been describ of the transverse deformity metatarsal head will be ev	sal involve intermetatar onation has been descril oed well to assess lesser y as performed by Eusta 'aluated on AP radiogra	real angle and lateral deviation angle which only bed with regards to the first metatarsal and with a metatarsals. The amount of metatarsal pronation ace which lends itself to possible rotational ph as outlined for the first by Yamaguchi.
Results	Frontal plane head for com oblique surgi	deformities plete contour cal cut was fo	were displayed on axial r r of the cartilage indicatin ound to have adequate fro	adiographs while assess g less rotation in the fro ontal plane deformity co	sing the medial border of the fifth metatarsal ontal plane. With these deformities, A distal prrection.
Discussions	Frontal plane contribute to surgical unde	deformities a significant erstanding to	of the fifth metatarsal are amount of pain in the po- correct this deformity.	significant and while n diatric population. This	tot as prevalent as that of hallux valgus still study outlines detailed workup and improved
Format	Case Study				
Case Rpt Followup	12				
Student Club					
Classification	Forefoot Rec	onstruction			
Level of Evidence	Level III				
Authors/Financial D	isclosures				
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Submission ID	05-01184			Ref ID CS-1184				
Title	Spastic E	Spastic Equinovarus foot deformities: A Case Series of Surgical Management						
Submit Date	10/14/2024							
Correspondent	Last Name:	dubois						
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	Practice/Con	npany/Residency Program:	Denver Heal	th				
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	Author 5:		Author 6:					
	Author 7:		Author 8:					
Purpose	Surgical mar	nagement of progressive deformity, sp	pastic equinovarus secono	dary to traumatic injuries				
Methodology								
Procedures	three cases w screw fixation different tech	vith injuries resulting in equinovarus n and third case had first MTPJ fusio miques of IM nail/Lateral plate and c	deformity. Fist case had for on with tendon lengthenin comparing both	ITC with IM nail, second case had plate and g. Literature included from articles regarding				
Results	Results of pa they are wor	tient outcome included iin patients w king with physical therapy and walki	whom presented with pain ng with plantigrade foot	and loss of hope at a normal lifestyle. Now,				
Discussions	Goal of treat is a progress modality res unstable foot	ing spastic equinovarus deformity is ive deformity and given severity, arth ults in fusion. Fusion procedures are t to ambulatory plantigrade stable foo	to maintain a plantigrade nrodesis is a reliable surgi rewarding cases as these of and satisfaction/ gratitu	, stable weightbearing foot for daily living. This ical intervention. Literature shows reliable patients return from a nonweightbearing de to our team				
Format	Case Study							
Case Rpt Followup	12							
Student Club								
Classification	Rearfoot and	Ankle Reconstruction						
Level of Evidence	Level III							
Authors/Financial Di	sclosures							

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Submission ID	05-01187			Ref ID CS-1187				
Title	Reconstruction of (Arthritis and Non-	Reconstruction of Collapsing Foot and Ankle Deformity in a Patient with Rheumatoid Arthritis and Non-Diabetic Charcot Neuroarthropathy: A Case Report						
Submit Date	10/15/2024							
Correspondent	Last Name: Bhalala							
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	Author 7:		Author 8:					
Purpose	Non-diabetic Charcot neuro surgical management due to reconstruction required to r	parthropathy in patients with rheur o severe joint instability, deformit estore function and correct deform	natoid arthritis y, and periphera nity in a patient	(RA) is rare, presenting unique challenges in al neuropathy. This case highlights the complex with this condition.				
Methodology								
Procedures	A 50-year-old female with significant subluxation of t surgical reconstruction, sta assisted adjustment, along fusion of the ankle, subtala fall the patient sustained a a deformity. She subsequentl fibular osteotomies, and rec post operation external fixa	rheumatoid arthritis and no histor- ne ankle, talonavicular, and subtal ting with right ankle fusion and s with Achilles tendon lengthening, r, and talonavicular joints was ach listat libial fracture which was ma y underwent hardware removal, ce upplication of external fixation wit tion was removed.	y of diabetes, m ar joints in the tabilization usin Four months la ieved using int naged conserva prrection of the th computerized	eetabolic disorder, or infection presented with right foot. The patient underwent staged ag external fixation with stereotactic computer- ter, the external fixation was removed, and ramedullary beaming. However, following a atively, leading to malunion and equinus malunion and equinus deformity via tibial and d program to reduced deformity. Six months				
Results	At 24 months post-operation	n, the patient is ambulating in reg	ular shoe gear a	and has returned to normal activity.				
Discussions	Ankle and hindfoot fusion reinforced with intramedul alignment and function, the	procedures are commonly used to ary nailing and beaming to impro ough non-union risks are elevated	stabilize severe ve load transfer due to poor bor	e Charcot deformity in patients with RA, often r. These surgeries significantly improve ne quality in rheumatoid arthritis patients.				
Format	Case Study							
Case Rpt Followup	24							
Student Club								
Classification	Rearfoot and Ankle Recons	struction						
Level of Evidence	Level IV							
Authors/Financial D	isclosures							
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Submission ID	05-01188				Ref ID CS-1188			
Title	Rare Con Invasive 7	Rare Complication of Posterior Tibial Artery Pseudoaneurysm following Minimally Invasive Zadek osteotomy						
Submit Date	10/14/2024							
Correspondent	Last Name: Full Name:	Brikho Marcell, DP	М	Email:	mbrikho1@hfhs.org			
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Authors	Author 1: Author 3: Author 5: Author 7:	Marcell R. E Anthony R.	Brikho, DPM Giordano, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Mikayla A. Green, DPM Paolo E. Di Liddo, DPM, FACFAS			
Purpose	Recent literate postoperative current literate to highlight a	ure shows infra posterior tibia ure does not ci unique postop	n-popliteal artery pseudoaneury l artery (PTA) pseudoaneurysn te incidence of PTA pseudoane erative complication following	ysms are extreme n following Mini eurysms followin 3 MIS calcaneal o	ly rare. This report presents a case of mally Invasive (MIS) Zadek Osteotomy. The g MIS Calcaneal Osteotomies. This study aims steotomy.			
Methodology								
Procedures	This case follo harvest site ca however, she Therapy, but t a PTA. Comp calcaneus and artery aneurys	ows a 64-year- ulcaneal autogr presented with the pain contin- uted Tomograp measured 2.2 sm.	old female patient who underv aft nonunion. Post-operatively worsening pain and discomfo ued to progress and worsen wi hy Angiography revealed larg cm x 1.7 cm. Patient was refer	vent a MIS Zadeł , the patient had d rt following MIS th ambulation. M e pseudoaneurys rred to vascular s	c Calcaneal Osteotomy for treatment of a osseous union across the osteotomy site, Zadek Osteotomy. She underwent Physical lagnetic resonance imaging was concerning for m arising from the PTA located medial to the urgery and underwent repair of posterior tibial			
Results	Patient underv	went repair of	the posterior tibial artery aneur	rysm which provi	ded relief in symptoms.			
Discussions	In current liter cases of arteri of MIS foot an following MIS	In current literature, the presence of posterior tibial artery pseudoaneurysm following foot and ankle surgery is rare. No cases of arterial injury following MIS calcaneal osteotomies have been reported. This provides a new concern with the rise of MIS foot and ankle surgery and clinicians should be suspicious of this complication in patients with medial ankle pain following MIS calcaneal osteotomies.						
Format	Case Study							
Case Rpt Followup	20							
Student Club								
Classification	Rearfoot and	Ankle Reconst	ruction					
Level of Evidence	Level IV							
Authors/Financial Di	sclosures							
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Submission ID	05-01191					Ref ID CS-1191	
Title	Rare Vascular Anomaly Leading to Chronic Wound in Ballerina: A Novel Case Repor						
Submit Date	10/14/2024						
Correspondent	Last Name: Full Name: Practice/Com	Andrews Linsey, M, And npany/Residency l	lrews, DPM Program:	Email: MedStar He	linsey.andrews	@medstar.net	
Authors	Author 1: Author 3: Author 5: Author 7:	Linsey, M, And Christopher, Al	lrews, DPM tinger, MD	Author 2: Author 4: Author 6: Author 8:	Richard, Youn, Cameron, Akba	MD ari, MD	
Purpose	Vascular anor recognize the report docum vascular anor	malies are rare an ese, as there is a w ents a 21 year old maly, peronea arte	d often under-reporte ell described connec ballerina with a chr ria magna.	ed in podiatric literature tion between a patient's onic, non-healing surgio	. It is critical for p s vascular status ar cal wound seconda	odiatrists to be able to nd wound healing. This case rry to a rare congenital	
Methodology							
Procedures	21 year-old h resection fou non-palpable flow within t supply to the	ealthy female refo r months prior. So dorsalis pedis pu he distal AT or DI foot. These findin	erred for non-healing off tissue defect was lse, which prompted artery, as well as a ngs were consistent y	g foot wound with expos substantial, requiring fla further workup prior to hypoplastic PT. The per with a diagnosis of pero	sed intrinsic muscl ap coverage. Physi flap planning. Art oneal artery was n nea arteria magna.	es following neuroma cal examination revealed a teriogram results depicted no toted as the dominant blood	
Results	Single patient with vascular anomaly, peronea arteria magna, requiring serial surgical debridements and HBO therapy to heal chronic wound secondary to neuroma excision.						
Discussions	In this case ro developed a r congenital va importance o preoperative	eport, an otherwis non-healing woun scular anomaly ir f a thorough preo workup or differe	e healthy 21 year old d requiring repeat su which the peroneal perative examination nt surgical plans.	d female underwent a ro irgical debridements, IV artery was the main blo n as patients may have u	utine neuroma res antibiotics, and F od supply to her f nderlying anomali	ection. Unfortunately she IBO therapy due to a toot. This case highlights the tes which may require further	
Format	Case Study						
Case Rpt Followup	15						
Student Club							
Classification	Wound Care/	Infectious Diseas	es				
Level of Evidence	Level IV						
Authors/Financial D	Disclosures						
Full Name:	Email:		Disclosure(s) select	ted:		Disclosed Organisation(s):	
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Submission ID	05-01196				Ref ID CS-1196		
Title	Surgical I Posterior	Manageme Muscle Gi	ent of Functional Hall roup Lengthening	ux Limitus I	Using Cotton Osteotomy and		
Submit Date	10/15/2024						
Correspondent	Last Name: Full Name: Practice/Com	Reczek Julia pany/Residenc	y Program:	Email: NYCPM	Jnreczek@gmail.com		
Authors	Author 1: Author 3: Author 5: Author 7:	William Stal Julia Reczek Samuel Adeş	llings, DPM ., BS gboyega, DPM	Author 2: Author 4: Author 6: Author 8:	Léthicia K. Paul, DPM MPH MS Holly Zucchero, DPM MS		
Purpose	This study air knowledge, tl gastrocnemiu	ns to introduce his is the first st s recession to i	a novel approach to effectivel tudy to investigate the use of a mprove function at the 1st MP	y treating function first metatarsal of J and the stability	nal hallux limitus (FnHl). To the authors' listal shaft osteotomy, Cotton osteotomy, and y of the medial column during gait.		
Methodology							
Procedures	A Cotton oste graft size sele deformity. A recommendee and one-year Meary's angle	cotomy was per ection as advise gastrocnemius d by Maceira ar postoperative r e.	formed to improve medial arcl d by Kunas et al, 2018. An Au recession was utilized to neutr nd Monteagudo, 2014. Integrit radiographs using medial arch	h stability using t stin osteotomy a alize rearfoot inf y of the medial c sag angle (MAS)	he cuneiform articular angle (CAA) to guide nd proximal Akin were done to correct HAV tuence on the medial column, which was olumn was assessed by comparing preoperative A), CAA, medial cuneiform height (MCH), and		
Results	At the 12-mo CAA, Meary' enhanced fun postoperative	At the 12-month follow-up, the patient reported a full return to sport pain-free. Significant radiographic improvements in CAA, Meary's angle, and MCH were measured. There was no significant change in MASA. The patient demonstrated enhanced function at the 1st MPJ with a preoperative metatarsophalangeal-interphalangeal (MTP-IP) score of 62 and a postoperative MTP-IP score of 90.					
Discussions	A Cotton oste the function o treating medi	cotomy perform of patients suffe al column insta	ned in conjunction with a gastreeting from FnHL. We also propubility without overcorrection.	ocnemius recessi oose a novel class	on and distal metatarsal osteotomy can improve sification system to guide graft size selection for		
Format	Case Study						
Case Rpt Followup	12						
Student Club							
Classification	Forefoot Rec	onstruction					
Level of Evidence	Level IV						
Authors/Financial Di	sclosures						
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Submission ID	05-01201				Ref ID CS-1201			
Title	Not All M	Not All Masses Are Cancer: A Surprising Diagnosis of Fungal Infection in the Ankle						
Submit Date	10/15/2024							
Correspondent	Last Name: Full Name: Practice/Com	Florentino Gabriela A. F npany/Residency	lorentino, DPM Program:	Email: Memorial He	gabflorentino16@gmail.com ealthcare Systems			
Authors	Author 1: Author 3: Author 5: Author 7:	Gabriela Flor Michael A. R	entino ivera, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Jana P. Hutchinson, DPM			
Purpose	Soft tissue m neoplastic co enlarging ma histopatholog diagnosis.	asses, especially nditions. In this ss in the ankle o gical findings rev	those with a long-standin, case, a 60-year-old male w ver the course of 10 years, realed an unexpected infect	g and progressively vith a prior history of initially suspected tious etiology, high	enlarging nature, often raise concern for of prostate cancer presented with a slowly to be a benign tumor on imaging. However, lighting the need for a broad differential			
Methodology								
Procedures	The patient p discomfort bu synovial chor purposes.	resented with a significant adromatosis, lea	soft tissue mass measuring pain. There was no history ding to the decision to pro-	3 11.2 x 9 cm located y of trauma or overt ceed with surgical e	d on the medial aspect of his ankle, causing signs of infection. MRI of the ankle suggested xcision for both diagnostic and therapeutic			
Results	Despite MRI fungal hypha	Despite MRI findings, histopathological analysis following surgical excision revealed that the mass was composed of fungal hyphae, indicating a chronic fungal infection. No malignancy was detected.						
Discussions	This case und malignancy, v in obtaining a typical signs ultimately im	derscores the dia where a neoplas a definitive diag of infection. Acc proving patient	gnostic challenges posed b ic process is often suspect nosis, particularly in cases curate diagnosis through b outcomes.	by soft tissue masses ed. This case highli where imaging resu iopsy can prevent m	s, particularly in patients with a history of ghts the importance of tissue biopsy and culture ilts may be misleading and in the absence of iisdiagnosis and lead to appropriate treatment,			
Format	Case Study							
Case Rpt Followup	12							
Student Club								
Classification	Soft Tissue/T	umor						
Level of Evidence	Level IV							
Authors/Financial D	isclosures							
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FACFAS

Submission ID	05-01203						Ref ID CS-1203
Title	Malakop	lakia of the	e Calcaneus: Ca	ase Report	and Rev	iew of Trea	tment Protocols
Submit Date	10/14/2024						
Correspondent	Last Name: Full Name: Practice/Con	Telwala Amit D Telw 1pany/Residenc	vala y Program:	En Ne	nail: w York Pre	upv9002@nyj sbyterian Queen	p.org ns
Authors	Author 1: Author 3: Author 5: Author 7:	Robert Karn Hengqing W Robert Fridr	nan DPM 'u DPM nan DPM	Ац Ац Ац Ац	uthor 2: uthor 4: uthor 6: uthor 8:	Juniper Yue D Justin Erfania	ıPM n-Taheri DPM
Purpose	Malakoplaki as Michaelis- transplant pa locations, inc recipients, th the foot/ankl- malakoplakia	a is a rare chron -Gutmann bodio tients. Although cluding the foot e diagnostic and e with 0 describ a in the foot and	ic inflammatory diso es. It is often associat n malakoplakia typica and ankle. When ma d management approa- red in the calcaneus. 7 l ankle as we present	rder characteriz ed with infectio illy affects the g lakoplakia coim ach becomes ev The aim of this the first case de	ted by the p n and immu- cides with c en more con- study is to p scribed in t	resence of distir inosuppression y system, it can osteomyelitis in mplex. 1 case is provide insight i he calcaneus in	ctive histiocytic lesions known commonly occurring in occur in various anatomical the foot and ankle in transplant described in the literature in nto the management of the literature.
Methodology							
Procedures	We performe malakoplakia total of 1 stud ankle identifi and lesion.	d a comprehens a. Our search re dy of malakopla ied by biopsy w	sive literature search over vealed the following akia in the foot was ic hich was treated by t	of PubMed, ME studies of malal dentified. Whitti apering steroids	DLINE, Er koplakia an ington (202 and 8 weel	nbase, and Goo d their various t 3) reports on cu ks of TMP/SMX	gle Scholar for foot/ankle reatment methodologies. A taneous malakoplakia of the K with resolution of symptoms
Results	Treatment do of malakopla	cumented in lit kia is poorly ur	erature varies betwee aderstood.	en curettage and	fusion to ju	ist antibiotic tre	atment. The exact pathogenesis
Discussions	This case stu been docume	dy provides evi ented in literatur	dence that while rare re, it may not lead to	, malakoplakia improved outco	of the calca mes. Furthe	neus can occur. er research is rec	While surgical treatment has quired.
Format	Case Study						
Case Rpt Followup	19						
Student Club							
Classification	Wound Care/	Infectious Dise	ases				
Level of Evidence	Level IV						
Authors/Financial Di	isclosures						
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Submission ID	05-01204				Ref ID CS-1204
Title	A Rare Ca Misdiagn	ase of Funct osis of Chro	ional Popliteal Ar nic Exertional Co	tery Entrapm mpartment Sy	ent Syndrome- A Potential yndrome
Submit Date	10/14/2024				
Correspondent	Last Name:	Judickas			
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	Practice/Com	pany/Residency I	Program:	Grant Medic	al Center OhioHealth
Authors	Author 1:	Alexa, T, Byko	wski, DPM	Author 2:	Nevin, C, Joseph, DPM
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	Author 5:			Author 6:	
	Author 7:			Author 8:	
Purpose	Functional po population. The symptoms to to shed light of unnecessary i	pliteal artery entr he disorder result those who suffer on this rare diagno nvasive intervent	apment syndrome (FPAE s in functional compressi from chronic exertional c osis and discuss diagnosti ion.	ES) is a rare disorde on of the popliteal compartment syndro ic features which sh	r most commonly affecting the young, athletic artery during exertion and presents with similar ome (CECS). The purpose of this case report is tould be recognized to prevent misdiagnosis and
Methodology					
Procedures	A 21-year-old Compartment with recurren the popliteal f angiography r of FPAES. Th	female presented al pressure tests v t symptoms two y fossa. Arterial dup revealed near occ e patient was trea	l with pain and paresthes vere elevated and she wa ears later. Bilateral knee blex demonstrated elevate lusion of bilateral poplite tted with bilateral medial	ias to her bilateral l s treated for CECS magnetic resonance ed popliteal artery v al arteries with acti gastrocnemius hea	ower extremities (BLE) that resolved with rest. with BLE fasciotomies. The patient presented i imaging revealed normal anatomic contents of relocities. Dynamic computed tomographic ve plantarllexion. Findings confirmed diagnosis d myomectomies.
Results	Patient healed recurrence of	l incisions, compl symptoms.	eted physical therapy and	d advanced back to	sport activities. There were no complications or
Discussions	Foot and ankl often misdiag vascular refer workup and n	e surgeons should nosed. Based on ral for this condit nanagement.	d be familiar with a diagr clinical suspicion, provid ion. This study highlight:	nosis of functional p ers should be comf s the rarity of this d	opliteal artery entrapment syndrome, as it is ortable knowing when to make an appropriate isorder and provides a review of the diagnostic
Format	Case Study				
Case Rpt Followup	38				
Student Club					
Classification	Soft Tissue/T	umor			
Level of Evidence	Level IV				
Authors/Financial D	Disclosures				
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Submission ID	05-01206					Ref ID CS-1206
Title	Vasculari Report	zed Fibula	r Bone Grafting for Ca	lcaneocubo	oid Joint Art	hrodesis: A Case
Submit Date	10/14/2024					
Correspondent	Last Name: Full Name:	Maroshek Alexander		Email:	admaroshek@g	mail.com
	Practice/Com	pany/Residenc	y Program:	Hackensack M Medical Cent	1eridian Health - er	Jersey Shore University
Authors	Author 1:	Alexander M	Iaroshek, DPM	Author 2:	Tyler Verdoni, I	DPM
	Author 3:	Chrisovalant	is Lakhiani, MD	Author 4:	Joseph A. Sussi	nan, DPM
	Author 5:			Author 6:		
	Author 7:			Author 8:		
Purpose	We present a	case study usin	g harvested vascularized fibular	autograft to spa	an a calcaneocubo	oid joint deficit for arthrodesis
Methodology						
Procedures	Osseous defic these deficits. ago. Postoper antibiotics, ar wound. We en monorail exte was harvestec months with s month follow	tits in the foot a We present a 4 atively requirin ad advanced we adicated residu rnal fixator. On a and inset to the successful arthr up	nd ankle pose challenges to foot 17-year-old male who underwent geveral revisions, having mult und care modalities; resulting in tal infection by performing an an oce culture negative, and coopera te calcaneocuboid joint, secured odesis and return to sneakers at 2	and ankle surg open reduction iple infections in chronic osteor terior subtotal trively with the with plate and s 3 months. He co	eons. Several tec i internal fixation requiring incision nyelitis of the ant calcanectomy pla plastic surgeon, a screws. He remain pontinues to ambul	hniques attempt bridging of left ankle fracture 10 years and drainages, long-term erior calcaneus with chronic cing an antibiotic spacer with a vascularized fibular free flap ned non-weight bearing 2 ate pain free in sneakers at 12
Results	We present su months follow	iccessful vascu vup	larized fibular autograft to span a	a calcaneocubo	id joint deficit wi	th successful arthrodesis at 2
Discussions	We presented Multiple tech for a vascular scar tissue. W and ankle	successful util niques availabl ized fibular fre 'e hope our case	ization of vascularized fibular bo e to help bridge osseous defects. e flap spanning the calcaneocubo e report adds to the body of evide	ne graft with c To maintain la bid joint deficit ence for utilizat	onfirmed arthrodo teral column leng and providing so ion of vascularize	esis at 2 months followup. th and reduce pain, we opted ft tissue coverage for chronic ed bone grafting in the foot
Format	Case Study					
Case Rpt Followup	12					
Student Club						
Classification	Rearfoot and	Ankle Reconst	ruction			
Level of Evidence	Level IV					
Authors/Financial Di	sclosures					
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Submission ID	05-01207				Ref ID CS-1207
Title	Bilateral a	nkle repla	acement with total ta	lus implant:	a case study
Submit Date	10/14/2024				
Correspondent	Last Name: Full Name: Practice/Comp	Booth Mitchell B. 1 any/Residenc	Booth, DPM y Program:	Email: Presbyterian	mitchellbbooth@gmail.com / St. Luke's Medical Center Podiatry Residency
Authors	Author 1: Author 3: Author 5: Author 7:	Keith Jacobs Kira Cramer	son, DPM, FACFAS ; DPM	Author 2: Author 4: Author 6: Author 8:	Mitchell Booth, DPM Brett Sachs, DPM, FACFAS
Purpose	The purpose of bilateral total ta of literature on	this case stud alus implanta total talus im	dy is to report on the outcome tion with tibia hemiarthroplas plants.	es of a single patie ty ankle replacem	nt who underwent separately performed ent. This study aims to add to the growing body
Methodology					
Procedures	The case of a si Preoperative X	ingle patient -rays and CT	who underwent bilateral total scan images are evaluated.	ankle arthroplast	y with total talus implants is described.
Results	Right side perfo protected weigl the patient is tr some temporar ambulation but left side. At 4-r	formed on 5/4 ht bearing and ansitioned to y dorsal foot is satisfied w nonth follow	/2023. Left side performed or d physical therapy at 6 weeks a regular shoe and expresses numbness which was resolve vith outcome. Left side is perf -up on left, patient reports tha	n 1/25/2024. Both He began full we interest in schedu d by 5-month foll formed 9 months l t left feels exactly	Kinos total ankle system. He began partial eight bearing at 9 weeks. At 3-month follow-up, ling left-sided procedure. Patient experienced ow-up. He reports some stiffness with initial ater. Same post-operative course is followed on like the right side.
Discussions	This study is un secondary to co procedures, the option for patie	nique in that i ongenital club current study ents with cond	it reports the outcome of total ofoot deformity. While there is y suggests that bilateral total t comitant ankle and subtalar jo	talus implant use s little research pu alus implants wit int arthritis.	in bilateral ankle and subtalar joint arthritis ablished on long-term results of total talus h ankle hemiarthroplasty appears to be a viable
Format	Case Study				
Case Rpt Followup	12				
Student Club					
Classification	Rearfoot and A	nkle Reconst	ruction		
Level of Evidence	Level IV				
Authors/Financial D	isclosures				
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Submission ID	05-01208				Ref ID CS-1208
Title	Underlyin of Low Ei	ng Diagnos nergy Mec	is of Ehlers-Danlos Syn hanism Open Ankle Dis	drome in a slocation	a Patient following Complications
Submit Date	10/14/2024				
Correspondent	Last Name:	Cardinoi			
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	Practice/Com	pany/Residenc	y Program:	Phoenixivlle	Hospital
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	Author 5:			Author 6:	
	Author 7:			Author 8:	
Purpose	This is a case in the setting	study to preser of an undiagno	nt on a patient who sustained an o sed underlying Ehlers-Danlos Sy	open ankle disl androme (EDS)	ocation due to a low-energy mechanism injury).
Methodology					
Procedures	The patient pr a log. Patient bone marrow fixation with symptoms sho	resented for con- underwent closed edema with sy 2 screws and fi powed no impro-	ntinued ankle pain following an a sed reduction with irrigation and ndesmosis disruption. She under ibula plate. Pain continued and th vement after treatment including	ankle injury wh debridement a went an ankle a syndesmosis physical thera	ile hiking. She twisted her ankle walking over nd primary closure. MRI showed talar head arthroscopy with debridement and syndesmosis hardware was eventually removed. Her py, bracing, offloading, and three surgeries.
Results	Despite this tr and complicat Rheumatolog	reatment, she h tions following y. She was diaş	ad no improvement in her sympt surgery increased the suspicion gnosed with EDS which contribu	oms for many of an underlyin ted to her initia	months. Further analysis of the initial injury ng disorder which led to her eventual referral to Il injury and long post-operative healing.
Discussions	A diagnosis o referral led to in the past hav also unfamilia term implicati	f EDS typically her undergoin ve shown high arity among ph ions of joint in	y is not high on the list of differe g treatment for EDS which could er rates of complications and trea ysicians regarding the clinical hi- stability.	ntials in a your l help prevent f ttment failure in story, physical	g healthy patient. For this patient, the correct uture similar injuries. Many studies published n orthopedic surgery in EDS patients. There is exam, diagnostic testing, treatment, or long-
Format	Case Study				
Case Rpt Followup	14				
Student Club					
Classification	Trauma				
Level of Evidence	Level IV				
Authors/Financial Di	sclosures				
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Submission ID	05-01211			Ref ID CS-1211
Title	Clinical application o fixation apparatus fo	f pan-metatarsal verti r severe forefoot defor	cal wire fix mity	ation with dynamic external
Submit Date	10/14/2024			
Correspondent	Last Name: Ng			
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	Author 5:		Author 6:	
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Purpose	Congenital metatarsus adductt external fixation, and soft tissu control over individual metata forefoot control and multiplan assesses the technique's benefit	is often requires early intervent the release due to significant con- rsals. In 2019, Rasor et al. intro- ar deformity correction, althou, its, limitations, and risks, include	tion, while matu ntracture. Tradit oduced a vertica gh it remains ur ling infection a	re deformities may necessitate osteotomies, ional cross-wire fixation lacks sufficient I wire technique on foot model for improved istudied in clinical practice. This study nd neurovascular injury
Methodology				
Procedures	A 13yo patient with severe me indicated metatarsus adductus dislocation, and midfoot plant callus distraction, 4-flap Z-pla correction following a 2-week fixation with cross-wire extern	tatarsus adductus deformity wl angle 25+ degrees, with media arflexion. Procedures were min sty, vertical wire fixation (x5), latency with Ilizarov technique al fixation; hardware was remo	no previously fa l forefoot soft ti imally invasive and dynamic ex e. After 6 month oved at 7 month	tiled serial casting. Preoperative X-rays issue contracture, tarsometatarsal joint proximal pan-metatarsal corticotomy with ternal fixation. On NWB status with gradual ns, the method switched to longitudinal wire ts
Results	No signs of infection/neurovas pain intolerance upon soft tiss	scular injury; foot in plantigrad ue manipulation, relieved wher	e position with switched to lo	normal gait, able to withstand sport activities; ngitudinal pin fixation
Discussions	Postoperative radiographs sho technique allows precise corre plantar nerve irritation and im be better suited for deformity	wed corrected metatarsal adduction and avoids metatarsal sho pingement. Caution is advised correction in neuropathic patient	ctus angles, mai ortening, signifi when using this nts	ntained length and parabola. While the cant pain at pin sites likely attributed to digital technique in sensate patients, though it may
Format	Case Study			
Case Rpt Followup	30			
Student Club				
Classification	Forefoot Reconstruction			
Level of Evidence	Level IV			
Authors/Financial D	isclosures			
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Submission ID	05-01213					Ref ID CS-1213
Title	Managem Muscle Fla	ent of Reca ap	lcitrant Pin Site Wour	nds with P	roximally-ba	ased Hemisoleus
Submit Date	10/14/2024					
Correspondent	Last Name:	Redzematovic				
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	Practice/Comp	any/Residency	Program:	St. Mary's Ge	neral Hospital	
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	Author 5:			Author 6:		
	Author 7:			Author 8:		
Purpose	External fixation complications wound care, op highlights the p	on is an option f can arise includ perative debride use of a proxima	for patients with joint collapse ing pin-site infections. We pre- ments, vacuum-assisted wound ally based hemisoleus muscle f	and destructior sent a case of a l therapy, local flap for the trea	 Although provi pin-site wound t skin flaps, and a tment of a pin-sit 	ding multiple benefits, hat failed attempts at local ntibiotic courses. This case wound.
Methodology						
Procedures	60 year-old par operatively, pa antibiotics, OR	tient with PMH tient presented debridements,	of CAD, DM, HTN underwen with a half-pin site wound that local skin flaps. Patient was ta	t tibiotalocalca probed to tibia ken for a proxi	neal arthrodesis v . Patients did not mally-based hem	vith external fixation. Post- improve with wound care, isoleus muscle flap.
Results	Patient underw draining sinus	ent proximally with healing no	based hemisoleus muscle flap ted at 4 weeks.	for the treatme	nt of proximal tib	vial half pin site wound with
Discussions	Several compli care, however flaps offer soft muscle flap is outcome of thi	ications can aris knowledge of o tissue coverage a viable option t s procedure to p	e with use of external fixation, rthoplastic soft tissue options i c, increased vascularity and pro for wounds to the proximal and romote the use of this option i	Pin-site infect s key for woun stect against inf d anterior lower n foot and ankl	ions are often we ds that have exha fection. The proxi r extremity. Our o e surgery.	ll managed with conservative uusted other options. Muscle imally based hemisoleus case highlights a successful
Format	Case Study					
Case Rpt Followup	12					
Student Club						
Classification	Wound Care/Ir	nfectious Diseas	ies			
Level of Evidence	Level IV					
Authors/Financial D	isclosures					
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Submission ID	05-01214			Ref ID CS-1214	
Title	Train Foot: History of the Migrant Worker				
Submit Date	10/14/2024				
Correspondent	Last Name: CAMPBELL Full Name: STEPHANIE Practice/Company/Residency	Ema Program: UT I	il: dr.stephan Health	iecampbell@gmail.com	
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Purpose	This case study reviews traun	natic injury of the lower extremity ex	perienced by train car	r hopping.	
Methodology					
Procedures	Immigrant labor has a long hi backgrounds supporting mult in the Americas [1,2]. Crush or between an object [3]. Aft I trauma center, case review similar events of hopping trai	story in the United States, comprised iple industries from farm work to stee njuries or "pinch points" are events v r a series of crush related injuries of was performed for 2 patients for whi n cars with falls crushing the lower li	of millions of worke el. As of 2019, 25.6% vhen a body part is er young (20s), male La eh follow up could be imb between cart couj	rs from various ethnic and cultural of total migrant workers employed tangled within machinery or under tino patients across Texas to a level evaluated. The patients report plers.	
Results	Both cases involved significant soft tissue injury and minor digital amputation. Management of compartment syndrome despite large open injuries, serial debridement and grafting, NPWT and HBOT, and split thickness skin grafting was needed. The second case additionally required open treatment of multiple metatarsal fractures. Hospitalization time was greater than 3.5 weeks for both due to significant injury and socioeconomic status. Ambulation and return to similar work was observed.				
Discussions	Mangled extremity severity s The mechanism of train crush care. Anticipate prolonged ho distance from the trauma hosp	Mangled extremity severity score (MESS), known as unreliable in predicting limb amputation is consistent in this case [4]. The mechanism of train crush injury requires patient survey for soft tissue compromise, blood loss, concomitant fracture care. Anticipate prolonged hospitalization and alternative follow up care (phone) due to patient migration and/or remote distance from the trauma hospital.			
Format	Case Study				
Case Rpt Followup	12				
Student Club					
Classification	Trauma				
Level of Evidence	Level V				
Authors/Financial D	Disclosures				
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Submission ID	05-01221 Ref ID CS-1221						
Title	Minimally Inv	Minimally Invasive Approach to Hemifibular Autograft Harvest					
Submit Date	10/14/2024						
Correspondent	Last Name: Red Full Name: Ker Practice/Company/	lzematovic nan Redzen Residency	natovic, DPM Program:	Email: St. Mary's Go	kenanredzemat eneral Hospital	ovic@gmail.com	
Authors	Author 1:KerAuthor 3:AmAuthor 5:Author 7:	aan Redzen breen Shar	natovic, DPM if, DPM, AACFAS	Author 2: Author 4: Author 6: Author 8:	Henna Akbarza Michael Subik,	ıi, DPM , DPM, FACFAS	
Purpose	Charcot patients su: minimally invasive this. We propose a stabilizing structure application via min	Charcot patients suffer from loss of talar bone stock. Complicated by poor soft tissue, these patients would benefit from a minimally invasive approach to rearfoot fusions. Tibiotolocalcaneal (TTC) arthrodesis via arthroscopic joint prep offers this. We propose a minimally invasive approach to fibular autograft harvests while maintaining the fibula as a lateral stabilizing structure. This case series describes several TTC arthrodeses augmented with hemi-fibular autograft harvest and application via minimally invasive approach.					
Methodology							
Procedures	Series of 4 patients and application for	who under the treatme	went tibiotalocalcaneal arthro	odesis with mini id in fusion.	mally invasive he	emi-fibular autograft harvest	
Results	Four patients under application of hemi complications were	Four patients underwent TTC arthrodesis with retrograde nail. Each TTC arthrodesis was augmented by harvest and application of hemi-fibular autograft. Time to ankle joint union was 2 months. Time to weight bearing was 3 months. No complications were noted.					
Discussions	Talar collapse is a c complications inclu bone loss include at Harvesting of the fi footprint. We preset portion as a stabiliz time to joint fusion.	Talar collapse is a common obstacle observed in patients with Charcot neuroarthropathy; this can lead to long term complications including limb length discrepancy, adjacent joint arthritis and biomechanical instability. Options to augment bone loss include autograft, femoral head allografts, implants and lengthening procedures; each with pros and cons. Harvesting of the fibula allows for use of autograft but comes with inherent instability long term and uses a large surgical footprint. We present our technique of a minimally invasive harvest of a hemifbular graft while conserving the remaining portion as a stabilizing structure. This allows for a smaller surgical footprint, addresses the issue of bone loss and decreases time to ioint fusion.					
Format	Case Study						
Case Rpt Followup	12						
Student Club							
Classification	Rearfoot and Ankle	Reconstru	ction				
Level of Evidence	Level IV						
Authors/Financial Di	sclosures						
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Submission ID	05-01224 Ref ID C						
Title	A Rare C	A Rare Case Study of Angiosarcoma in the Foot					
Submit Date	10/14/2024						
Correspondent	Last Name: Full Name: Practice/Con	Nguyen Theresa, H, Nguy 1pany/Residency Pro	ven, B.S. ogram:	Email: Samuel Merr	theresa.nguyen1@samuelmerritt.edu itt University and UCI Health — Lakewood		
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Purpose	Recognizing and treatmen unique challe	Recognizing angiosarcoma in the foot is crucial due to its rarity and aggressive nature, which can lead to delayed diagnosis and treatment if not promptly identified. While angiosarcoma is uncommon overall, its presentation in the foot poses unique challenges that underscore the importance of awareness among physicians for timely intervention.					
Methodology							
Procedures	77 year old n soft tissue fo progressing i suggested a c	77 year old male with a past medical history of diabetes and hypertension presents to UCI Lakewood for evaluation of a soft tissue for mass on the second digit. Patient states that the mass has been present for about 7 months, but has been progressing in size. Given the multilobulated soft tissue mass overlying the 2nd digit, podiatry was consulted and suggested a digit amputation after obtaining advanced imaging.					
Results	Advanced in the second di inflammatior was consister	Advanced imaging, including X-ray and MRI, was performed to rule out bone involvement. The excised specimen from the second digit was sent for pathological analysis, which revealed lobules of a vascular neoplasm with acute and chronic inflammation upon microscopic examination. The tumor showed no evidence of bone invasion, and the staining pattern was consistent with angiosarcoma.					
Discussions	Angiosarcom limited cases diagnosis of outcomes and foot, promoti	Angiosarcoma is a rare type of cancer, accounting for approximately 1-2% of all soft tissue sarcomas. There have been limited cases of angiosarcoma presenting to the distal lower extremity, making proper timely diagnosis a challenge. Early diagnosis of angiosarcoma in the foot facilitates timely referral for radiation therapy, potentially improving treatment outcomes and survival rates. Additionally, it enhances clinicians' understanding of various soft tissue pathologies in the foot, promoting more effective management strategies for rare tumors.					
Format	Case Study						
Case Rpt Followup	12						
Student Club							
Classification	Wound Care/	Wound Care/Infectious Diseases					
Level of Evidence	Level III						
Authors/Financial I	Disclosures						
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Submission ID	05-01226				Ref ID CS-1226	
Title	Treatment Reconstru	of Complia	cations Associated wit	h Midfoot	Columnar Fusion in Charcot	
Submit Date	10/14/2024					
Correspondent	Last Name: Full Name: Practice/Comp	Redzematovic Kenan Redzem any/Residency I	natovic, DPM Program:	Email: St. Mary's Ger	kenanredzematovic@gmail.com neral Hospital	
Authors	Author 1: Author 3: Author 5: Author 7:	Kenan Redzen Ambreen Shari	natovic, DPM if, DPM, AACFAS	Author 2: Author 4: Author 6: Author 8:	Melody John, DPM Michael Subik, DPM, FACFAS	
Purpose	The most com midfoot can le of developing surgical interv failed midfoot	The most commonly affected region in Charcot neuroarthropathy (CN) of the foot and ankle is the midfoot. CN of the midfoot can lead to midfoot collapse resulting in a rocker bottom deformity, high degree of debilitation, and increased risk of developing wounds and infections. This deformity can be treated conservatively or surgically. One commonly utilized surgical intervention for midfoot CN is midfoot columnar fusion. We present the outcome and treatments of 5 patients who failed midfoot columnar fusion.				
Methodology						
Procedures	Our study ider treatment of C through below rod with partia	Our study identified 5 total patients who experienced complications after receiving midfoot columnar fusion for surgical treatment of Charcot neuroarthropathy. All patients subsequently underwent treatment. Treatment includes offloading through below knee casting and surgical staged approach with application of external fixator, insertion of antibiotic coated rod with partial or complete talectomy, and tibiotalocalcaneal fusion.				
Results	Average age o staged surgical 532). Average 110.25 days (9	Average age of patients was 62 years (49-78 years). One patient was treated with conservative care and 4 patients had staged surgical approach. Average time between MCF and the first radiographic evidence of failure was 264.2 days (6-532). Average time between first radiographic evidence of failure and stage one was 79.25 days (2-240) and average of 110.25 days (91-133) between stage one and two.				
Discussions	MCF is a com after MCF. All below knee ca patients achiev	MCF is a commonly utilized surgical treatment of CN. Our study showcases 5 patients who experienced complications after MCF. All patients underwent either conservative or surgical treatment. One patient was conservatively treated with a below knee cast. The other 4 patients with construct failure underwent a staged surgical approach. At final follow-up, all patients achieved a stable and plantigrade, free of ulceration and amenable to bracing.				
Format	Case Study					
Case Rpt Followup	12					
Student Club						
Classification	Rearfoot and A	Rearfoot and Ankle Reconstruction				
Level of Evidence	Level IV					
Authors/Financial D	isclosures					
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):	
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Submission ID	05-01228 Ref ID			Ref ID CS-1228			
Title	Novel Treat Transmetat	Novel Treatment for Tibialis Anterior Infectious Tenosynovitis Status Post Transmetatarsal Amputation – A Case Study					
Submit Date	10/15/2024						
Correspondent	Last Name: S	Sharma					
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Authors	Author 1: S	Shaleen Duhr	ra, DPM	Author 2:	Haywan Chiu, DPM		
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	Author 5:			Author 6:			
	Author 7:			Author 8:			
Purpose	Gas gangrene is a (TMA) in the foc eradicating active and desiccated, n complicated by p infected tibialis a plantar pressure v	a life-threate ot and ankle. e infection. In necessitating progressive in anterior tendo wounds	ning condition often requiring s This procedure enables patients However, functionality can be c its removal. This case study fol nfection traveling up 1/3 of the on. It also addresses associated	aurgical interve s to maintain a ompromised if lows a patient of distal leg result biomechanical	ntion, typically via transmetatarsal amputation functional weight-bearing distal limb while the tibialis anterior tendon becomes infected over one year after consenting to a TMA, ing in fasciotomy and transection of the imbalances which may lead to drop foot and		
Methodology							
Procedures	One of few publi underwent a TM. emphysema to th infection extendi	ished cases h A, fasciotom he level of the ing up 1/3 of	ighlighting management of tibi y and transection of the tibialis e dorsal midfoot. Clinical preservithe the distal leg.	alis anterior inf anterior tendor ntation revealed	ectious tenosynovitis . A 67 year old patient 1. Preoperative Xrays revealed soft tissue d desiccation of the tibialis anterior tendon and		
Results	The patient under be wound free an	The patient underwent TMA, fasciotomy, debridement of tibialis anterior tendon and extensive wound care to eventually be wound free and independent with ambulation with the help of shoe fillers and a brace which is worn as needed.					
Discussions	The surgical man complexities of r biomechanical ch	The surgical management of septic tenosynovitis routinely is irrigation and debridement. This case illustrates the complexities of managing septic tenosynovitis following a TMA highlighting the significant wound care and biomechanical challenges posed by tendon transection and subsequent functional deficits.					
Format	Case Study						
Case Rpt Followup	12						
Student Club							
Classification	Wound Care/Infe	ectious Disea	ises				
Level of Evidence	Level IV						
Authors/Financial D	visclosures						
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Submission ID	05-01230 Ref ID			Ref ID CS-1230		
Title	Peroneus Brevis Trar Polio Athlete: A Case	Peroneus Brevis Transfer to the Calcaneus for Achilles Tendon Weakness in a Post- Polio Athlete: A Case Study				
Submit Date	10/14/2024					
Correspondent	Last Name: Hu Full Name: Haoning Practice/Company/Residency	Program:	Email: Medstar Georg	haoning.hu01@gmail.com getown University Hospital		
Authors	Author 1: Haoning Author 3: Alyson Boudr Author 5: Author 7:	eau, DPM	Author 2: Author 4: Author 6: Author 8:	Liliya Parkman, DPM Daniel Perez, DPM, FACFAS		
Purpose	Achilles tendon weakness sec maintain a high level of physi restore plantarflexion strength	ondary to Polio presents a diffic cal activity. This case study exp and resolve chronic Achilles te	cult challenge, j lores the use of endonitis.	articularly in active patients seeking to a peroneus brevis transfer to the calcaneus to		
Methodology						
Procedures	An athletic male patient with a history of poliomyelitis presented with persistent Achilles tendonitis and marked plantarflexion weakness. Despite conservative management, his symptoms persisted, significantly impacting his ability to engage in sports. Electromyography (EMG) confirmed the absence of left tibial nerve responses, with chronic denervation changes noted in the gastrocnemius and posterior compartment muscles. The surgical intervention selected was peroneus brevis transfer, with its distal end anastomosed to the peroneus longus. The proximal segment was anchored into the calcaneus and anastomosed with the Achilles tendon. Posterior compartment muscle transfer was excluded due to abnormal EMG.					
Results	At the 12-month follow-up, the patient reported full return to activities without restrictions. Clinical examination demonstrated improvement in plantarflexion strength, and the patient remained asymptomatic.					
Discussions	This case demonstrates the utility of peroneus brevis transfer in managing Achilles tendonitis in post-polio patients with chronic neuromuscular deficits. The absence of tibial nerve function and the denervation of the gastrocnemius presented a significant challenge, yet the surgical intervention provided a robust solution, allowing the patient to return to his previous level of activity.					
Format	Case Study					
Case Rpt Followup	12					
Student Club Classification Level of Evidence	Biomechanics and Anatomy Level IV					
	1					
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Submission ID	05-01232 Ref ID C			Ref ID CS-1232		
Title	Talonavicular Arthr Severe Osteoarthrit	Talonavicular Arthrodesis Following Displacement of Arthroereisis Implant Leading to Severe Osteoarthritis: A Case Study				
Submit Date	10/14/2024					
Correspondent	Last Name: Hu Full Name: Haoning Practice/Company/Residenc	y Program:	Email: Medstar Georg	haoning.hu01@gmail.com getown University Hospital		
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Purpose	Displacement of an arthroern arthritis, which may require severe talonavicular osteoart condition through talonavicu	Displacement of an arthroereisis implant can have serious consequences, including the development of talonavicular arthritis, which may require surgical intervention. This case study highlights a rare instance of metallosis of sinus tarsi and severe talonavicular osteoarthritis caused by a displaced arthroereisis implant and presents the management of this condition through talonavicular arthrodesis.				
Methodology						
Procedures	A 20-year-old female presented with significant left foot pain, which began after beginning high impact sports. Conservative treatments failed to provide relief. The patient had undergone an arthroereisis procedure as a child. Imaging studies, including X-rays and MRI, revealed severe osteoarthritis of the talonavicular joint and dorsal displacement of the arthroereisis implant. Procedures Include: Arthroereisis implant removal, debridement of metallosis of sinus tarsi and Talonavicular joint arthrodesis.					
Results	At the one-year follow-up, the successful fusion of the talo	At the one-year follow-up, the patient had fully returned to sports without any pain or limitations. Imaging confirmed successful fusion of the talonavicular joint, and the patient reported complete symptom resolution.				
Discussions	This case emphasizes the po leading to arthritis. While ar discloses the need for period arthrodesis was an effective implant-related complication	This case emphasizes the potential long-term risks of arthroereisis implants, particularly the possibility of displacement leading to arthritis. While arthroereisis is a commonly used procedure in pediatric flatfoot correction, this complication discloses the need for periodic monitoring over time, particularly when symptoms emerge. In this case, talonavicular arthrodesis was an effective treatment, allowing the patient to return to high levels of activity. Recognizing and addressing implant-related complications early is crucial to prevent further joint deterioration.				
Format	Case Study					
Case Rpt Followup	12					
Student Club						
Classification	Rearfoot and Ankle Reconstruction					
Level of Evidence	Level IV					
Authors/Financial Di	sclosures					
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Submission ID	05-01234			Ref ID CS-1234		
Title	Calcium s diabetic f series	sulfate antibiotic delivery syste oot infections/osteomyelitis and	m and its rol l reducing ho	e in the prevention of recurrent ospital readmission rate: A case		
Submit Date	10/14/2024					
Correspondent	Last Name: Full Name: Practice/Com	Franklin Jordan W. pany/Residency Program:	Email: Denver Heal	jorfrank11@gmail.com th & Hospital Authority		
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Purpose	In patients wi the site of inf systems in tre	ith conditions such as DM2 and PAD, there ection. In this case series, we examine the e ating complex foot infections.	is a concern if ant fficacy of adding	ibiotics are effective in delivering antibiotics to localized calcium sulfate antibiotic delivery		
Methodology						
Procedures	A 39-year-old metatarsal he were introduc after undergo beads and cer infection s/p instability wa hardware was	A 39-year-old male patient with PMH of uncontrolled DM2 and PAD who presents with wounds to the right fifth metatarsal head. Patient then underwent partial fifth ray amputation whereby vancomycin-impregnated beads and cement were introduced. A 52-year-old male patient with PMH of DM2 and PAD presents with recurrent diabetic foot infection after undergoing a left hallux amputation. A partial first ray amputation was performed whereby tobramycin-impregnated beads and cement were infection s/p MIS bunionectomy. An I&D was performed. Purulent drainage was noted surrounding the hardware and instability was noted at the osteotomy sites. Patient underwent application of mini-rail external fixator and the infected beads were introduced.				
Results	Each patient antibiotic-elu year of the w	Each patient demonstrated favorable outcomes from combination therapy of systemic antibiotics, introduction of an antibiotic-eluting system at the local site of infection following surgical debridement. No readmission was noted within a year of the writing of this study.				
Discussions	The patient's may not have	The patient's wounds showed remarkable signs of healing progression after incorporating the antibiotic-eluting system that may not have shown similar outcomes relying on surgical debridement and systemic antibiotics alone.				
Format	Case Study					
Case Rpt Followup	12					
Student Club						
Classification	Diabetic Foot	t				
Level of Evidence	Level IV					
Authors/Financial Di	sclosures					
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Submission ID	05-01238 Ref ID CS-12						
Title	A No-Brainer Way	A No-Brainer Way to Repair the Plantar Plate; A Premier Case Series					
Submit Date	10/14/2024						
Correspondent	Last Name: Cohen Full Name: Steven D. C Practice/Company/Residen	Cohen, DPM cy Program:	Email: Morristown	cohensteven882@gmail.com Medical Center Atlantic Health System			
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Purpose	The plantar plate serves the joint it is a common cause of publications on reconstruct the successful treatment of	The plantar plate serves the function of stabilizing the lesser metatarsophalangeal joint. When there is instability at this joint it is a common cause of metatarsalgia and pain especially at the second toe. In the literature there have been various publications on reconstructing the plantar plate from both dorsal and plantar approaches. Our case series aims to discuss the successful treatment of plantar plate tears in patients utilizing a simple and effective technique.					
Methodology							
Procedures	We present four patients su radiologically. In our novel screw. The patient's postop	We present four patients suffering with pain associated with plantar plate tears that can be appreciated both clinically and radiologically. In our novel technique we describe a way to repair the plantar plate utilizing one dorsal to plantar tenodesis screw. The patient's postoperative courses went smoothly and their pain levels significantly improved on the VAS scale.					
Results	After surgical intervention on the visual analog score. were able to ambulate pain	After surgical intervention utilizing this technique each patient had significant improvement of pain symptoms measured on the visual analog score. By the end of each patient's post-operative course, their quality of lives have improved and they were able to ambulate pain free after undergoing the procedure presented in the study.					
Discussions	A plantar plate tear can be a metatarsophalangeal joint. A simple technique in recon has been demonstrated in o	A plantar plate tear can be a debilitating injury for a patient as this structure is critical in stabilizing the lesser metatarsophalangeal joint. This type of injury can lead to structural deformities so it is crucial to intervene when necessary. A simple technique in reconstruction of the plantar plate can have a significant impact on a patient's quality of life which has been demonstrated in our case series.					
Format	Case Study						
Case Rpt Followup	12						
Student Club							
Classification	Forefoot Reconstruction						
Level of Evidence	Level IV						
Authors/Financial D	isclosures						
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Submission ID	05-01239	05-01239 Ref ID CS-1					
Title	Ankle My	opericytor	ma: A Case Report				
Submit Date	10/14/2024						
Correspondent	Last Name: Full Name: Practice/Comp	Xoubi Eyad pany/Residenc	y Program:	Email: Advocate Chr	eyad.xoubi@aah.org ist Medical Center		
Authors	Author 1: Author 3: Author 5: Author 7:	Eyad Xoubi, Andrew Siln	DPM nan, DPM	Author 2: Author 4: Author 6: Author 8:	Kelly Fahey, DPM David Garras, MD		
Purpose	Myopericyton extremities, m myopericytom clinical presen	Myopericytoma is a rare, circumscribed mass that commonly forms within the superficial subcutaneous layer of the 4 extremities, more commonly in the lower extremity. A small number of cases have been reported regarding myopericytomas to the lower extremity. The exact etiology remains unclear. This report will outline the pathogenesis, clinical presentation and treatment course of myopericytoma to the ankle.					
Methodology							
Procedures	Myopericytom that consists o painless, well- soft tissue mas reviewed by a	Myopericytoma is a benign, slow growing soft tissue tumor that exhibits differentiation within the perivascular myoid cells that consists of spindle shaped cells. This case reports a myopericytoma in an 85-year-old male who presents with a painless, well-circumscribed soft tissue mass to the posterior lateral aspect of the right ankle. Upon surgical excision, the soft tissue mass was sent to surgical pathology, at Advocate Christ Medical Center, for further analysis. The case was then reviewed by a bone and soft tissue pathologist at Cleveland Clinic.					
Results	The specimen muscle actin a reported in thi	The specimen consisted of a 6.3 g rubber like mass. The immunohistochemical staining of the mass revealed smooth muscle actin and focal areas of desmin, a rare characteristic. Post-operative complications including re-occurence were not reported in this case.					
Discussions	This report hig low incidence diagnosis, surg treatment and	This report highlights the importance in differentiating this mass from similar-like soft tissue masses. Although there is a low incidence for malignant myopericytomas, it is important to ensure the benignity of the lesion. With appropriate diagnosis, surgical excision is an appropriate first line of treatment. Further studies are needed to evaluate the pathogenesis, treatment and complications related to myopericytomas to the ankle.					
Format	Case Study						
Case Rpt Followup	12						
Student Club							
Classification	Soft Tissue/Tu	imor					
Level of Evidence	Level IV						
Authors/Financial D	isclosures						
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Submission ID	05-01240 Ref ID							
Title	Chronic non-ba review	Chronic non-bacterial osteomyelitis of the foot: An advanced case report and literature review						
Submit Date	10/14/2024							
Correspondent	Last Name: Ion							
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	Practice/Company/Re	esidency Program:	Kaiser San F Program	Francisco Bay Area Foot & Ankle Residency				
Authors	Author 1: Elena	Ion, DPM	Author 2:	Christy M. King, DPM, FACFAS				
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	Author 5:		Author 6:					
	Author 7:		Author 8:					
Purpose	This case report aims condition.	This case report aims to enhance understanding of chronic non-bacterial osteomyelitis and raise awareness of this condition.						
Methodology								
Procedures	Chronic non-bacterial affecting children and the bones of the foot. inflammation, often p osteomyelitis or malig diagnosed by exclusic of CNO who presente	l osteomyelitis (CNO) is a rare l young adults. It typically invo Clinical manifestations of CNN oresenting as recurrent severe b gnancy, while biopsy typically on, using various diagnostic cri ed with recurrent pain in the lef	autoinflammatory bon lves the metaphysis ar O can vary from isolate one pain at the affected shows no bacterial gro teria. This report descri t lower extremity.	e disorder of unknown origin, primarily d epiphyses of long bones but can also impact ed monofocal inflammation to chronic, active d site. Imaging may suggest features of wth, revealing only inflammatory cells. CNO is ribes a 12-year-old patient with no family history				
Results	Bone marrow aspirate Gold and acid-fast ba on these findings, the the patient began exp calcaneus.	Bone marrow aspirate and biopsy of the left tibia revealed elevated inflammatory markers, with negative QuantiFERON Gold and acid-fast bacillus smear results. A whole-body MRI showed lesions in the pelvis, femur, tibia, and radius. Based on these findings, the patient was diagnosed with active CNO and started on methotrexate and adalimumab. A year later, the patient began experiencing right foot pain, and an MRI revealed new focal marrow abnormalities in the cuboid and calcaneus.						
Discussions	Although CNO has be frequent misdiagnosis procedures, and prolo	Although CNO has been recognized as a distinct disease entity for nearly 50 years, it remains underreported due to frequent misdiagnosis and treatment delays. These delays can lead to unnecessary radiation exposure, multiple biopsy procedures, and prolonged antibiotic treatment.						
Format	Case Study							
Case Rpt Followup	36							
Student Club								
Classification	Wound Care/Infection	us Diseases						
Level of Evidence	Level IV							
Authors/Financial D	isclosures							
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Submission ID	05-01242				Ref ID CS-124	
Title	Oblique C	Osteotomy	for Crossover Toe Corr	rection		
Submit Date	10/14/2024					
Correspondent	Last Name: Full Name: Practice/Comj	Ng Terry pany/Residenc	y Program:	Email: Mercy Health	tng@mercy.com - St. Rita's residency program	
Authors	Author 1: Author 3: Author 5: Author 7:	Terry Ng, Dl Shawn C Wa	PM ard, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Andrew Aldstadt, DPM	
Purpose	The purpose of osteotomy for	of this study is the realignme	to retrospectively evaluate the rad nt of crossover toe.	diographic outco	omes of an oblique distal lesser metatarsal	
Methodology						
Procedures	A retrospectiv surgically with Radiographic 2nd digit trans Hardy and Cla	e case series w h an oblique di analysis of pre sverse and sagi apham method	vas conducted on all patients press istal metatarsal osteotomy perforr e-operative and post-operative im- ittal plane deviation as well as 2nd . AOFAS forefoot and VAS score	enting with 2nd ned by a single aging was done d metatarsal pro s were obtained	digit hammertoe deformities that were treate surgeon between 2021 and 2023. for each patient, comparing factors such as otrusion distance as measured through the l pre- and post-operatively.	
Results	Transverse an and 8.91 and 2 scores were 6. 0.011 respecti	Transverse and sagittal plane deviation were measured at an average of 14.64 and 27.10 degrees respectively pre-operative and 8.91 and 20.00 degrees post-operative. Average AOFAS scores were 42.4 pre-op and 75 post-op. Average VAS pain scores were 6.6 pre-op and 2.2 post-op. Differences in AOFAS and VAS scores were statistically significant at p=0.046 an 0.011 respectively.				
Discussions	We propose a fragment. This of crossover to well as improv	We propose a modification of the Weil that involves both proximal and medial or lateral translocation of the capital fragment. This allows for greater transverse plane correction without losing sagittal plane correction, especially in the case of crossover toes. This has shown statistically significant improvement in AOFAS and VAS scores from pre- to post-op as well as improved transverse plane alignment on radiographic evaluation.				
Format	Case Study					
Case Rpt Followup	12					
Student Club						
Classification	Forefoot Reconstruction					
Level of Evidence	Level IV					
Authors/Financial Di	sclosures					
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Title Osteochondral Allograft in Treatment of First Metatarsophalangeal Joint Arthritis: A Submit Date 10/14/2024 Correspondent Last Name: Boettger Full Name: Ryan, J, Boettger, DPM Email: boettgerryan@gmail.com Practice/Company/Residency Program: Scripps Mercy Hospital San Diego Podiatry Residency Authors Author 1: Ernetso, S, Hernandez, DPM, FACFAS Author 2: Ryan, J, Boettger, DPM Author 1: Ernetso, S, Hernandez, DPM, FACFAS Author 2: Ryan, J, Boettger, DPM Author 3: Author 4: Author 4: Author 7: Author 6: Author 7: Author 7: Author 8: The purpose of this study is to retrospectively evaluate patier-reported outcomes measures (PROMs) of a series of cases in which an osteochondral allograft was used in the surgical treatment of first metatarsophalangeal joint arthritis. There is a puocity of data in the literature regarding this novel surgical treatment and the study can add to the growing body of literature.
Submit Date 10/14/2024 Correspondent Last Name: Boettger Full Name: Ryan, J, Boettger, DPM Email: boettgerryan@gmail.com Practice/Company/Residency Program: Scripps Merry Hospital San Diego Podiatry Residency Authors Author 1: Ernetso, S, Hernandez, DPM, FACFAS Author 2: Ryan, J, Boettger, DPM Author 5: Author 4: Author 6: Author 7: Author 7: Purpose The purpose of this study is to retrospectively evaluate patient-reported outcomes measures (PROMs) of a series of cases in which an osteochondral allograft was used in the surgical treatment of first metatarsophalangeal joint arthritis. There is a paucity of data in the literature regarding this novel surgical treatment and the data from this study can add to the growing body of literature.
Correspondent Last Name: Boettger Full Name: Ryan, J, Boettger, DPM Email: boettgerryan@gmail.com Practice/Company/Residency Program: Scripps Mercy Hospital San Diego Podiatry Residency Author S: Last Name: Ernetso, S, Hernandez, DPM, FACFAS Author 2: Ryan, J, Boettger, DPM Author 1: Ernetso, S, Hernandez, DPM, FACFAS Author 2: Ryan, J, Boettger, DPM Author 3: Author 3: Author 4: Author 7: Author 6: Author 7: Author 8: Purpose The purpose of this study is to retrospectively evaluate patient-reported outcomes measures (PROMs) of a series of cases in which an osteochondral allograft was used in the surgical treatment of first metatarsophalangeal joint arthritis. There is a paucity of data in the literature regarding this novel surgical treatment and trior this study can add to the growing body of literature.
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Methodology
Procedures There are multiple prior reports of small case series evaluating the use of osteochondral allograft in treatment of firrst metatarsophalangeal joint arthritis. The authors of this study present to their knowledge the largest case series to date regarding this technique. A retrospective chart review ranging from December 2019 to March 2023 was completed for all patients which underwent this treatment by the prior author. After receiving institutional review board approval, the patients were contacted and were asked to complete multiple PROM questionnaires.
Results 38 patients were included in the study with an average time since surgery of 20.9 months. Average verbal analog pain scale was 8.4. Average Manchester Oxford Foot Questionnaire Index score was 15.9. Greater than 90% of patients would repeat the surgery and would recommend it to someone else.
Discussions The patient reported outcomes obtained in this study demonstrate that the described treatment may be a viable surgical option in the short- and mid-term time frame. The reported data is similar to that regarding first metatarsophalangeal joint arthrodesis. Though limited by its retrospective nature, the present study does demonstrate that this surgical treatment is well tolerated with comparable PROMs to standard treatment.
Format Case Study
Case Rpt Followup 20
Student Club
Classification Forefoot Reconstruction
Level of Evidence Level IV
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Title
Submit Date
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Authors
Purpose
Methodology
Procedures
Results
Discussions
Format
Case Rpt Followup
Student Club
Classification
Level of Evidence
Authors/Financial D
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Whitney E. Branham, DPM
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Submission ID	05-01256				Ref ID CS-1256			
Title	Ulcerative N	Ulcerative Nodular Melanoma Management in a Diabetic Patient						
Submit Date	10/15/2024							
Correspondent	Last Name: S Full Name: H Practice/Compar	Seydi Fatoumata Sey ny/Residency	/di, DPM Program:	Email: Saint Joseph	sjhfatoumata.seydi@gmail.com Hospital-Chicago			
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Purpose	To present an un identification an	usual case of d successful the	primary Ulcerative Nodular Me reatment of this rare pathology.	elanoma (NM)	of the foot as well as detail reliable means of			
Methodology								
Procedures	A 67-year-old di MRI showed a la wide excision, si performed in sta and excised entin a scalpel provide 7.5cmx6.7cmx1. was placed in the	A 67-year-old diabetic female presented with right foot pain and a rapidly growing mass on the dorsal foot for five months. MRI showed a large mass without bony involvement. Treatment included oncology consult, tumor and lymph node biopsy, wide excision, surgical staging, and long-term management of exposed anatomy. Procedure: The procedures were performed in stages. A mass (4.9cmx3.7cmx1.4cm) at the level of skin was removed using a scalpel, dissected to the stalk, and excised entirely. The mass was fibrous, necrotic, and vascular at the stalk. It was sent to pathology. In the second stage, a scalpel provided 2.5-3 cm clearance around abnormal tissue down to the fascial layer, with a final excised area of 7.5cmx6.7cmx1.2cm. Hemigard and nylon sutures reduced the wound size by 50%. Lastly, a pinch graft from the left ankle was placed in the post-melanoma excision defect						
Results	48-month follow right and left for	48-month follow-up showed complete resolution with no recurrence clinically, and clearance on imaging. Wounds on the right and left foot were 100% healed.						
Discussions	Nodular melanor lesions. Successi surrounding tissi recurrence, imm	Nodular melanoma, the most aggressive melanoma form, is characterized by rapid growth, early metastasis, and thicker lesions. Successful treatment involves prompt identification, MRI mapping, wide excision with staged surgery, biopsies of surrounding tissues and lymph nodes, and soft tissue management. In this case, complete resolution was achieved without recurrence, immunotherapy, or radiation.						
Format	Case Study							
Case Rpt Followup	48							
Student Club								
Classification	Soft Tissue/Tum	or						
Level of Evidence	Level IV							
Authors/Financial Di	isclosures							
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Submission ID	05-01264				Ref ID CS-1264			
Title	O-to-Z Fl of Circula Osteomye	O-to-Z Flap Closure with Use of Antibiotic-impregnated Cement Spacer for Treatment of Circular Neuropathic Diabetic Plantar Foot Ulceration with Underlying Osteomyelitis						
Submit Date	10/15/2024							
Correspondent	Last Name: Full Name: Practice/Com	Munk Devin Munk pany/Residenc	c cy Program:	Email: Henry Ford W	dmunk1@hfhs.org /yandotte			
Authors	Author 1: Author 3: Author 5: Author 7:	Devin Munk	s, DPM	Author 2: Author 4: Author 6: Author 8:	Andrew Mastay, DPM FACFAS			
Purpose	A variety of r unique challe	A variety of reconstructive techniques can be employed when treating diabetic ulcerations, yet the plantar foot provides unique challenges. Understanding viable reconstructive techniques is important to successful treatment and limb salvage.						
Methodology								
Procedures	O-to-Z flaps I and face. Ant avoiding digit plantar foot u metatarsal he	nave primarily ibiotic-impregr tal amputations lceration. Due ad and flap clo	been used to close circular defu nated cement spacer (ACS) has l s. This case presents a new appli to underlying osteomyelitis, an usure, avoiding amputation of the	cits after Moh's s been demonstratication of the O-t ACS was used in fifth digit.	surgery for basal cell carcinoma on the scalp ed to effectively treat forefoot infections while to-Z flap technique to a neuropathic diabetic a conjunction with bony resection of the fifth			
Results	Combining th infection, whi one-year post	e O-to-Z flap a ile also facilita -operative the	and ACS allowed for the immed ting preservation of the digit. Ti patient remains wound free, wit	iate closure of th me to heal was 4 h no re-ulceratio	te ulceration and provided source control for 2 days post-operative without complication. At n, infection or other complications.			
Discussions	O-to-Z flaps a diabetic foot salvage, time	are well-suited wounds. The te to heal and fur	for the circular nature of many echnique can be used with other nctional outcomes.	diabetic ulceration reconstructive te	ons and should be considered for closure of schniques, such as ACS and can improve limb			
Format	Case Study							
Case Rpt Followup	12							
Student Club								
Classification	Wound Care/	Infectious Dise	eases					
Level of Evidence	Level V							
Authors/Financial D	isclosures							
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):			
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Submission ID	05-01268				Ref ID CS-1268				
Title	Limb Sal Tibiotalo	Limb Salvage After Failed Beaming of Midfoot Charcot Deformity Utilizing Tibiotalocalcaneal Arthrodesis: A Case Report							
Submit Date	10/15/2024								
Correspondent	Last Name:	Welsh							
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	Practice/Con	pany/Residency Pr	ogram:	Mount Aubu	rn Hospital				
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	Author 5:	Philip Basile, DI	PM, FACFAS	Author 6:					
	Author 7:			Author 8:					
Purpose	Tibiotalocalc procedure is This case rep underwent m	Tibiotalocalcaneal (TTC) arthrodesis has traditionally been reserved for severe hindfoot or ankle Charcot deformities. This procedure is now promoted for single stage limb salvage in patients with Charcot neuroarthropathy (CN) of the midfoot. This case report illustrates an example of failed medial and lateral column beaming in a non-diabetic patient who underwent multiple limb salvage surgeries which ultimately led to tibiotalocalcaneal arthrodesis.							
Methodology									
Procedures	A 54-year-old and solid cor ulceration. T followed by a was performe	d male with Charco e screws. Postopera he patient underwer application of an Ili ed. Radiographic mo	t deformity underwent mid: tive radiographs revealed n tt hardware removal, midfo zarov frame. Ultimately, at easurements were taken pen	foot beaming ut conunion accom ot exostectomy 35 months from ri-operatively to	ilizing specifically designed 7.0 mm cannulated panied by hardware failure and recurrent and placement of antibiotic bone cement n the initial midfoot beaming a TTC arthrodesis o assess the patient's postoperative progression.				
Results	Radiographic Meary's angl confirmed ap lines of the ti in extra-dept	Analysis: Meary's e deteriorated to -12 proximately 75% o bia and calcaneus, y 1 shoes without the	angle, preop -9.2°, immedi 2.1°. At 20 months post TT sseous bridging. Radiograp with maintained hindfoot al need for an AFO brace.	ate postop, 0°. 1 C arthrodesis th hic analysis of ignment. Protec	However, by two months postoperatively, e patient was clinically stable and imaging the hindfoot revealed parallel mid-diaphyseal stive midfoot motion enabled the patient to walk				
Discussions	With follow reconstruction anatomical lo	up of 20 months aft n when the patient l ocation.	er tibiotalocalcaneal arthroo nas a non-plantigrade, ulcer	desis, this case v rated or non-bra	validates our paradigm shift away from midfoot ceable Charcot deformity, regardless of the				
Format	Case Study								
Case Rpt Followup	20								
Student Club									
Classification	Rearfoot and	Ankle Reconstruct	on						
Level of Evidence	Level IV								
Authors/Financial I	Disclosures								
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-01269				Ref ID CS-1269			
Title	A Rare Ca	A Rare Case of Pediatric Syringofibroadenoma						
Submit Date	10/15/2024							
Correspondent	Last Name:	Tippett						
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	Practice/Com	pany/Residenc	y Program:	University of	Virginia Health			
Authors	Author 1:	Caroline Tip	pett, DPM, AACFAS	Author 2:	Nate Almario, BS, MS4			
	Author 3:			Author 4:				
	Author 5:			Author 6:				
	Author 7:			Author 8:				
Purpose	Syringofibroa the elderly an a fifteen year awareness abo conservative t	Syringofibroadenoma is a rare benign tumor that is typically found on the lower or upper extremities. Typically, they effect the elderly and have uncommonly been reported in the pediatric population. We present a case of a syringofibroadenoma in a fifteen year old female that was ultimately treated with partial amputation of the great toe. Our purpose is to raise awareness about this rare dermatologic condition in hopes of increasing diagnostic accuracy and exploring alternative conservative therapy.						
Methodology								
Procedures	A 15-year-old present since topical steroic surgery and u	A 15-year-old female patient with no significant medical history presented with a painful, bleeding lesion on her great toe, present since birth. She had been evaluated by multiple dermatologists without successful diagnosis or treatment including topical steroids and antifungals. Laser therapy was unavailable in her region for pediatrics. She was referred to podiatric surgery and ultimately underwent partial great toe amputation due to her degree of suffering.						
Results	At 18 months pleased with 1	, she is ambula ner outcome as	ting without pain and partici it has improved her quality	pating in gym clas of life.	s. She is able to wear close toed shoes and is			
Discussions	Due to the rar diagnosis is d tumors. Misdi transformation diagnosis and	Due to the rarity and complex classification of cutaneous sweat gland neoplasms such as a syringofibroadenoma, routine diagnosis is difficult. There remains a lack of definitive molecular markers available to confirm the identity of these tumors. Misdiagnosis of these tumors can result in unnecessary treatments, prolonged suffering, or malignant transformation. Ultimately, this patient was pleased with her outcome, but we advocate for further studies into accurate diagnosis and alternative treatment ontions.						
Format	Case Study							
Case Rpt Followup	18							
Student Club								
Classification	Soft Tissue/To	umor						
Level of Evidence	Level IV							
Authors/Financial Dis	sclosures							
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):			
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Submission ID	05-01275					Ref ID CS-1275		
Title	Midfoot Custom 3D Printed Cage: A Case Study in the Setting of Charcot Arthropathy							
Submit Date	10/15/2024							
Correspondent	Last Name:	Shulmister						
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	Practice/Con	npany/Residenc	y Program:	Presbyterian	Saint Luke's			
Authors	Author 1:	Jake, W, Shu	lmister, DPM PGY3	Author 2:	Alan, Ng, DP	M FACFAS		
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	Author 5:	Pollard, Ron	nie, DPM FACFAS	Author 6:				
	Author 7:			Author 8:				
Purpose	Charcot arthu definitive tre problem. We Charcot neur	Charcot arthropathy often results in midfoot bone loss. This presents a problem in the setting of midfoot collapse, when definitive treatment necessitates reconstruction. Three dimensional printed trabecular metal may present a solution to this problem. We present a case of 3D printed midfoot cage, utilized to address significant segmental bone loss, in the setting of Charcot neuropathy.						
Methodology								
Procedures	A 56 year old medial colun designed and which engag is becoming	A 56 year old male with Charcot presented after failing multiple cuboid planings. Physical exam showed an unstable medial column, and subcuboid ulcer. Imaging indicated significant mid foot segmental bone loss. A 3D printed cage was designed and used to replace all 3 cuneiforms, and was fixated with first ray and second ray beaming into the hindfoot, which engaged the plate per designer protocol. Trabecular Metal is an established treatment in hip and knee literature, and is becoming more commonly utilized in the foot and ankle.						
Results	After a 10 we orthopedic sl to reulceration	After a 10 week period of nonweight bearing, the patient was transitioned into a boot, and now braces only with an orthopedic shoe. At 4 years post operative follow up, the patient maintains a stable plantigrade foot that has been resistant to reulceration.						
Discussions	This case stu alternative to survival in th and recurrent	This case study will contribute to the sparse amount of evidence on midfoot cages, allowing surgeons to consider it for an alternative to autograft and allograft, when performing a fusion in the setting of bone loss. Furthermore our implants survival in the setting of Charcot, is a promising result in a patient population especially susceptible to hardware failure and recurrent collapse.						
Format	Case Study							
Case Rpt Followup	48							
Student Club								
Classification	Rearfoot and	Ankle Reconst	ruction					
Level of Evidence	Level IV							
Authors/Financial Di	isclosures							
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):		
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Submission ID	05-01278				Ref ID CS-1278			
Title	Evaluatir Series An	Evaluating the Impact of Antibiotic Beads on Reducing Amputation Risk: A Case Series Analysis of Contributing Factors						
Submit Date	10/15/2024							
Correspondent	Last Name:	Onyenma						
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	Practice/Con	pany/Residency Pro	ogram:	Rochester Ge	neral Hospital			
Authors	Author 1:	David C Onyenm	a, DPM	Author 2:	Juan Castillo, DPM			
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	Author 5:	Andrew Merkel,	DPM	Author 6:	Paul Merkel, DPM			
	Author 7:			Author 8:				
Purpose	Diabetic foot doses directly effectiveness	ulcers account for o to infection sites, p of absorbable antibi	over two-thirds of non-traum ootentially improving healing iotic beads in reducing proxi	atic lower-lim g and preventin mal amputatio	b amputations. Antibiotic beads deliver high ng infection spread. This study evaluates the ns in patients with pedal osteomyelitis.			
Methodology								
Procedures	We analyzed based on clin hemoglobin A	28 patients (30 feet) ical, lab, and imagin A1C were collected.	who had amputations proxi og findings. Data on amputat	mal to the met tion type, abso	atarsophalangeal joints. Surgical procedure was rbable antibiotic bead use, smoking history, and			
Results	27 feet were surgery, with The average those without procedure wi	27 feet were assigned to the control group and 3 to the beads group. In the control group, 78% (n=21) required a second surgery, with an average interval of 201 days. In the beads group, 67% (n=2) needed a second surgery, averaging 333 days. The average Hemoglobin A1C was 10.12% (range 9.3%). The odds ratio for those with antibiotic beads was 1.00, while for those without beads it was 1.86 (95% CI: 0.15 to 23.00), indicating a 1.86 times higher likelihood of needing a second procedure without beads.						
Discussions	Patients treat interventions smoking histo	ed with absorbable a , but the wide confid ory were also not sig	ntibiotic beads had fewer p lence interval suggests unce mificant. A larger sample siz	roximal amput rtainty and no re may be need	ations and longer intervals before secondary statistical significance. Hemoglobin A1C and led to draw more definitive conclusions.			
Format	Case Study							
Case Rpt Followup	12							
Student Club								
Classification	Diabetic Foo	t						
Level of Evidence	Level IV							
Authors/Financial D	Disclosures							
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Submission ID	05-01280			Ref ID CS-1280				
Title	Total Navicular Imj Joint Arthrodesis, A	Total Navicular Implant With Medial Column Intramedullary Nailing And Subtalar Joint Arthrodesis, A Case Series						
Submit Date	10/15/2024							
Correspondent	Last Name: Adams							
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	Practice/Company/Residen	cy Program:	Mercy Health	St. Vincents Medical Center				
Authors	Author 1: Lucas S Ad	ams, DPM	Author 2:	Kyle McKray Smith, DPM AACFAS				
	Author 3:		Author 4:					
	Author 5:		Author 6:					
	Author 7:		Author 8:					
Purpose	The purpose of this study w implants with medial colum necrosis. Furthermore, there	The purpose of this study was to provide a small case series with two patients that underwent custom 3D navicular implants with medial column arthrodesis, and hindfoot arthrodesis as a means for limb salvage after navicular avascular necrosis. Furthermore, there is very little mentioned in literature in regards to custom implants for navicular injuries.						
Methodology								
Procedures	3D custom metal implantati replacement as a means for that provide robust graft op with concomitant midfoot a fixation. One patient was tr revision surgery of an existi	3D custom metal implantation is a new innovative field in foot and ankle surgery. Literature has shown use of total talus replacement as a means for advanced arthritis. Custom implant technology allows for scaffold structural implant devices that provide robust graft options that can serve multiple functions. Case Study: 2 patients underwent total navicular implant with concomitant midfoot arthrodesis and subtalar joint arthrodesis by means of intramedullary beaming and screw fixation. One patient was treated for a navicular fracture likely secondary to Charcot arthropathy. One patient was a revision surgery of an existing 3D custom implant with subsidence. Both were 57 years old.						
Results	Mean follow up was 12 mo ambulate without assistive	nths. Both patients went on to succ devices. Radiographic alignment ir	essfully coales	sce arthrodesis sites within 3 months. Both can ared to baseline at 6 months.				
Discussions	Custom 3D navicular impla midfoot collapse with bone subsidence as seen in other	Custom 3D navicular implant replacement provide robust structural support for treatment of avascular necrosis and midfoot collapse with bone deficits and voids within the hindfoot and ankle. These implants serve a role in mitigating subsidence as seen in other grafting options and provide stability and function where needed.						
Format	Case Study							
Case Rpt Followup	12							
Student Club								
Classification	Rearfoot and Ankle Recons	truction						
Level of Evidence	Level V							
Authors/Financial D	visclosures							
Full Name:	Email:	Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-01282				Ref ID CS-1282			
Title	Use of the A Case Ser	Use of the Brunner Zig-Zag Incision for Elective Foot and Ankle Surgery Procedures: A Case Series						
Submit Date	10/15/2024							
Correspondent	Last Name: Full Name: Practice/Comp	Husic Ridvan any/Residenc	y Program:	Email: St. Mary's Ge	ridvanhusic423@gmail.com neral Hospital			
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Purpose	Incisions along procedures in th Brunner Zig-Za increased expos tension lines.	Incisions along the resting skin tension lines minimizes potential wound complications. Following skin tension lines for procedures in the foot and ankle is challenged by anatomical considerations and need for greater exposure. We propose the Brunner Zig-Zag incision as an alternative to standard linear incisions for elective procedures as it provides the benefit of increased exposure while limiting potential wound complications associated with approaches perpendicular to resting skin tension lines.						
Methodology								
Procedures	We present a se zag incision wa operative field	eries of 6 pati as used. Time exposure (crr	ents who underwent elective foo to closure of wound and dehisce a2) of the zig-zag incision as con	t and ankle reco ence rate were s apared to traditi	nstructive procedures where the Brunner zig- tudied. We also compared the amount of onal linear approaches.			
Results	All patients wh complete skin l	All patients who underwent use of the zig-zag incision for their reconstructive foot and ankle procedure underwent complete skin healing. One patient (16.67%) experienced a delay of skin closure. No significant complications were noted.						
Discussions	It's common fo wound complic mitigates the ri- however its use zig-zag incision	It's common for incisional approaches to be perpendicular to the resting skin tension lines which can lead to increased wound complications. We propose the use of a zig-zag incisional approach that permits greater operative exposure and mitigates the risk of wound complication. This incisional approach is routinely used in the palmar surface of the hand, however its use in the foot and ankle is poorly described. Our long-term clinical outcomes support the use of the Brunner zig-zag incision as an alternative to standard linear incisions in podiatric surgery.						
Format	Case Study							
Case Rpt Followup	24							
Student Club								
Classification	Soft Tissue/Tur	mor						
Level of Evidence	Level IV							
Authors/Financial Di	sclosures							
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):			
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Submission ID	05-01283				Ref ID CS-1283				
Title	Managem Patient wi	Management of Pathological Calcaneal Fracture Due to Osteomyelitis in a Diabetic Patient with a Chronic Heel Wound. A Case Report.							
Submit Date	10/15/2024								
Correspondent	Last Name: Full Name: Practice/Com	Woo Rachel pany/Residency	Program:	Email: McLaren Mac	rachelwoo804@gmail.com comb Hospital				
Authors	Author 1: Author 3: Author 5: Author 7:	Rachel A Woo Dhara R Patel Marwa Hmad	o DPM I DPM y DPM	Author 2: Author 4: Author 6: Author 8:	Raniea A Sulieman DPM Wyatt S Thielman DPM Matthew D Andrews DPM FACFAS				
Purpose	This case repo of the calcane management,	ort describes the us, secondary to and wound heal	treatment of a patient with unc o osteomyelitis and a chronic he ling.	ontrolled diabe eel wound. It fo	tes who presented with a pathological fracture cuses on managing the infection, fracture				
Methodology									
Procedures	A 58-year-old pathological f surgical debri reduction and was followed	female with un racture of the ca dement, applicat internal fixation for 36 months.	controlled type 2 diabetes devel alcaneus. Imaging confirmed os tion of an external fixator and a n of the calcaneus were perform	loped a non- he teomyelitis as t ntibiotic beads, ted, along with	aling heel wound, complicated by a he cause. The treatment involved staged , and broad-spectrum antibiotics. Later, open local wound care and offloading. The patient				
Results	The infection allowing the p	was controlled, patient to transiti	and the fracture healed without ion to offloaded weight-bearing	complications after several m	The wound showed significant improvement, on the second se				
Discussions	This case higl Early surgical calcanectomy can affect gail requiring pros infection and importance of	This case highlights the complexity of treating pathological calcaneal fractures in diabetic patients with osteomyelitis. Early surgical intervention and infection control were key to preventing further complications. In more severe cases, a calcanectomy or below-knee amputation may be necessary, though both procedures pose significant risks. Calcanectomy can affect gait and increase the risk of soft tissue breakdown, while below-knee amputation significantly impacts mobility, requiring prosthetic rehabilitation. This case underscores the importance of a multidisciplinary approach, considering both infection and vascular health to achieve positive outcomes. These findings support current literature, which emphasizes the importance of timely exprised debrief the reals of multidisciplinary in managing displaying for the correct of the c							
Format	Case Study								
Case Rpt Followup	36								
Student Club									
Classification	Diabetic Foot								
Level of Evidence	Level IV								
Authors/Financial D	isclosures								
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Submission ID	05-01284				Ref ID CS-1284		
Title	Anterior	Fibial Tend	lon Entrapmen	t in Irreducible A	Ankle Fracture		
Submit Date	10/15/2024						
Correspondent	Last Name: Full Name: Practice/Com	Minetola TJ, Minetola, pany/Residency	DPM / Program:	Email: Main Line I	Minetolat@mlhs.org Health Residency		
Authors	Author 1: Author 3: Author 5: Author 7:	TJ, Minetola, Julius, Hatch	DPM er, DPM	Author 2: Author 4: Author 6: Author 8:	Justin, Garvin, DPM Aleksander, Emerel, DPM		
Purpose	This case repo fractures to er	ort aims to high nhance clinical	light the importance awareness and impro	of recognizing anterior t ve surgical outcomes in	ibial tendon entrapment in irreducible ankle similar cases.		
Methodology							
Procedures	Irreducible an entrapment is bone fragmen and deformity reduction and up is critical t tibial tendon of	kle fractures ar well-document ts obstruct the t r, necessitating a internal fixatio o monitor comp entrapment.	e complex injuries of ed, anterior tibial ten endon path, complic advanced imaging lik n (ORIF), is usually plications such as info	ten resulting from high- don entrapment is less c ating closed reduction el te X-rays and CT scans required. Postoperative ection and nonunion, en	energy trauma. While posterior tibial tendon ommonly reported. This occurs when displaced forts. Patients typically present with severe pain for evaluation. Surgical intervention, often open rehabilitation is essential, and long-term follow- phasizing the need for awareness of anterior		
Results	This report de with a displac anterior tibial the patient wa	etails a 20-year- ed distal fibula tendon was fou s discharged w	old male with a SER fracture and lateral a ind entrapped. Open ith outpatient follow-	IV right ankle fracture in nkle dislocation. After f reduction and internal fi up arrangements.	rom a 75 mph motorcycle collision. He presented ailed closed reductions, intraoperatively, the xation (ORIF) were successfully performed, and		
Discussions	Irreducible an incarcerated t anterior tibial managing the	Irreducible ankle fractures in the emergency department should raise suspicion of soft tissue entrapment. Identifying incarcerated tissue during surgery is crucial for effective reduction and minimizing complications. This case highlights anterior tibial tendon entrapment as a potential factor, emphasizing the need for awareness and refined surgical strategies in managing these complex injuries.					
Format	Case Study						
Case Rpt Followup	12						
Student Club							
Classification	Trauma						
Level of Evidence	Level IV						
Authors/Financial D	isclosures						
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Submission ID	05-01286				Ref ID CS-1286		
Title	Extrapulm	Extrapulmonary Tuberculosis Manifesting in the Foot & Ankle: A Case Study					
Submit Date	10/15/2024						
Correspondent	Last Name: Full Name: Practice/Comp	Namasivayam Sanjna any/Residency F	Program:	Email: St. Mary's Ger	sanjna.namasivayam@gmail.com neral Hospital		
Authors	Author 1: Author 3: Author 5: Author 7:	Sanjna Namasi HyunJi Boo, Di	vayam, DPM PM, AACFAS	Author 2: Author 4: Author 6: Author 8:	Melody John, DPM Michael Subik, DPM, FACFAS		
Purpose	Extrapulmonar EPTB is often a clinicians abou	y tuberculosis (I misdiagnosed be t the importance	EPTB) occurs in 15-20% of in ccause of its non-ubiquitous pr of early diagnosis of EPTB a	fections, with f resentation. We nd treatment fo	oot and ankle tuberculosis accounting for 0.3%. present a case to increase awareness amongst r preservation of life, limb and function.		
Methodology							
Procedures	A 58 year old F to the left medi medial to the ta	Polish male unde al ankle. Imagin Ilus. Pathology f	rgoing conservative treatment g and intraoperative findings indings revealed gray-tan soft	t of left foot Ch revealed a well tissue with ext	arcot arthropathy developed a painful abscess encapsulated, caseating granulomatous mass ensive necrosis.		
Results	Anaerobic, aero	obic, and fungal	cultures had no growth. Acid-	fast bacilli cult	ture positive for Mycobacterium tuberculosis		
Discussions	Diagnosis of E Physicians sho x-rays and ches important for p EPTB.	Diagnosis of EPTB requires a high index of suspicion because symptoms may overlap with coexisting pathologies. Physicians should take a thorough history and inquire about the risk factors of TB. Preoperative workup includes foot/ankle x-rays and chest x-ray given the primary focus of TB is in the lungs. Microbiologic proof is the key to diagnosis. It is important for physicians to make a prompt diagnosis and initiate antituberculosis therapy to minimize the disability of EPTB.					
Format	Case Study						
Case Rpt Followup	12						
Student Club							
Classification	Wound Care/In	fectious Disease	es				
Level of Evidence	Level IV						
Authors/Financial Di	isclosures						
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Styker, Orthofix, Treace, BD

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Submission ID	05-01287				Ref ID CS-1287				
Title	Diagnosis of Onycho	and Manageme emmal Carcin	ent of Subungual S oma	Squamous	Cell Carcinoma: A Case Review				
Submit Date	10/15/2024								
Correspondent	Last Name:	Stevens							
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	Author 5:	Justin Martinez, ME	S	Author 6:	Calimar Rodriguez, BS				
	Author 7:	Justin Lewis, DPM,	FACFAS	Author 8:					
Purpose	This case invo patient. The a while bringing	olved a stepwise diagn im of this study is to e g awareness to this dia	ostic and treatment appro nhance early detection an gnosis.	ach for a canc id improve tre	erous lesion in the nail bed of an 83-year-old atment protocols of Onycholemmal Carcinoma				
Methodology									
Procedures	Onycholemm tissues, with f healthcare pro onychomycos toe. A biopsy excisional bio	Onycholemmal Carcinoma (OC) is a rare form of squamous cell carcinoma originating in the nail bed, matrix, or adjacent tissues, with fewer than 10 cases reported in the literature. The patient had previously been evaluated and treated by three healthcare providers, initially presenting with drainage from the right great toenail, which was misdiagnosed as onychomycosis. Seeking a third opinion, the patient presented with nail dystrophy and a nodular lesion on the right great toe. A biopsy of the lesion revealed SCC of the nail bed, later identified as OC. The patient subsequently underwent a wide excisional biopsy, where the lateral nail plate and margins were removed elliptically.							
Results	Pathology cor amputation w	Pathology confirmed aggressive SCC. The patient was referred to orthopedic and dermatologic oncologists. Toe amputation was determined to be the optimal treatment plan.							
Discussions	This case emp nail disorders initially misdi carcinoma. M	This case emphasizes the need for accurate diagnosis of rare cancers like onycholemmal carcinoma, often misdiagnosed as nail disorders. Since onycholemmal carcinoma occurs subungually at the nail bed and nail matrix, the provider may initially misdiagnose the condition as a nail disorder. Currently, there is no standard treatment protocol for onycholemmal carcinoma. Moh's surgery and radiation therapy are treatment options, but most patients undergo toe amputations.							
Format	Case Study								
Case Rpt Followup	12								
Student Club									
Classification	Soft Tissue/Tu	umor							
Level of Evidence	Level IV								
Authors/Financial I	Disclosuros								
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Submission ID	05-01297			Ref ID CS-1297				
Title	Treatment of Talar Review of Outcomes	Body Fractures with Po s	steromedia	l Approach – A Case Study and				
Submit Date	10/15/2024							
Correspondent	Last Name: Singh Full Name: Tushar, I, Sin Practice/Company/Residenc	ngh, DPM y Program:	Email: Detroit Medica	emailtusharsingh@gmail.com ıl Center				
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Purpose	Talar fractures are daunting outcomes. Talar fractures are necessitates access from the management of talar fracture advantages. In our study, we postoperative course and eva	Talar fractures are daunting pathologies in all facets: initial presentation and management, treatment, and postoperative outcomes. Talar fractures are generally high energy injuries often with some degree of comminution and the approach often necessitates access from the medial aspect of the rearfoot and ankle. Approaches that have been posited for the management of falar fractures include medial malleolar osteotomy and posteromedial approaches each with unique advantages. In our study, we utilize the posteromedial approach in two similar fracture patterns and follow patients' postoperative course and evaluate for complications, reoperation, and symptomology.						
Methodology								
Procedures	This case series two patients with similar comorbidities at a single institution underwent open reduction internal fixation (ORIF) of talar body fractures with large fragmentary components central and posterior to the articular component of the talar dome with a posterior medial approach. Both patients sustained the injuries in high energy mechanisms and did not have any concomitant polytrauma.							
Results	In this series of patients, one unremarkable healing with n	In this series of patients, one underwent subsequent ankle arthroscopy and hardware removal and the other patient had unremarkable healing with no subsequent irritation and limited symptomology.						
Discussions	Treatment of talar body frac approach without compromi technique neurovascular con visualization of the patholog surface which is paramount	Treatment of talar body fractures with posterior facet involvement are amenable to treatment with a posterior medial approach without compromising the vascular integrity of the osseous structures. Additionally, with appropriate dissection technique neurovascular compromise can be unequivocally prevented. The posteromedial approach confers ready visualization of the pathologic region and allows for the surgeon to have confirmation of adequate reduction of the articular surface which is paramount in the prevention of post traumatic arthritis.						
Format	Case Study							
Case Rpt Followup	12							
Student Club								
Classification	Trauma							
Level of Evidence	Level IV							
Authors/Financial Di	isclosures							
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Submission ID	05-01302				Ref ID CS-1302		
Title	A Rare Ca	se of Meta	llosis After Total Ankl	e Total Talu	is Replacement (TATTR)		
Submit Date	10/15/2024						
Correspondent	Last Name: Full Name:	Milisits Thomas F Mil	isits, DPM, MPH, AACFAS	Email:	tmfellowshipyear@gmail.com		
	Practice/Compa	any/Residency	Program:	Pennsylvania I Premier Ortho	Intensive Lower Extremity Fellowship - paedics		
Authors	Author 1: Author 3: Author 5: Author 7:	Thomas Milis Jason R Mille	its r, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	John E Marshall IV, DPM, AACFAS		
Purpose	Total ankle tota ankle arthritis v complex recons	l talus replaces vith concomita structive proce	ment (TATTR) is gaining popul nt pathology to the talus. What dures with substantial amounts	arity by foot an we typically do of hardware.	d ankle surgeons in patients with end-stage not consider is metal hypersensitivity in these		
Methodology							
Procedures	62-year-old hea ultimately leadi and salvage hin	62-year-old healthy female who underwent TAR (Total Ankle Replacement) with numerous complications and revisions ultimately leading to TATTR and subsequently a metallosis hypersensitivity reaction necessitating removal of all hardware and salvage hindfoot fusion.					
Results	After removal of calcaneus and t currently weigh	After removal of hardware including tibial stem and total talus, an antibiotic spacer was placed between the tibia and calcaneus and the salvage surgery was a custom 3D printed talus spacer with a tibiotalocalcaneal hindfoot nail. She is currently weight bearing without any complications or assistive devices.					
Discussions	To our knowled ankle system co nitride (TiN) co tibial componen even in the pres	To our knowledge, metallosis and osteolysis with TATTR has not been described in the literature. Our case involved a total ankle system constructed with chromium cobalt and titanium with a total talus constructed with titanium and a titanium nitride (TiN) coating. Micromotion within the joint can cause shearing of the total talus and subsequently interact with the tibial component and lead to metallosis. Similarly in hip and knee arthroplasty, metallosis in the foot and ankle can occur even in the resence of a nolvethylene insert when there is no metal-on-metal contact.					
Format	Case Study						
Case Rpt Followup	13						
Student Club							
Classification	Rearfoot and A	nkle Reconstru	action				
Level of Evidence	Level V						
Authors/Financial Di	isclosures						
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Submission ID	05-01306				Ref ID CS-1306			
Title	Solution (Solution to 4th interdigital acral melanoma utilizing a 5th digit filet skin flap						
Submit Date	10/15/2024							
Correspondent	Last Name: Full Name: Practice/Com	Minginas Vasilios pany/Residency Prog	gram:	Email: Baptist healtl	vminginas@gmail.com n Bethesda hospital East			
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Purpose	This study sh excision of in functional and	owcases the efficacy terdigital acral melar d aesthetic results of	and outcomes of using a noma. We explore the su this approach in treating	a fifth digit filet s irgical technique, g this rare but agg	kin flap for reconstruction following the post-operative recovery, and long-term ressive form of melanoma.			
Methodology								
Procedures	88-year-old for right foot. His to the AJCC s	emale presented with stopathological exam system.	a biopsy-proven acral lo ination revealed intraep	entiginous melan idermal prolifera	oma in the fourth interdigital web space of the tion consistent with Breslow stage 0 according			
Results	Post-operativ showed good	Post-operative recovery was uneventful, with the flap demonstrating 100% survival. At 12-month follow-up, the patient showed good functional outcomes with no evidence of recurrence. Aesthetic results were satisfactory.						
Discussions	The 5th digit excellent tissu and adequate grafting or ma aligns with cu pleasing result	The 5th digit filet flap proved to be an effective reconstructive option for this interdigital defect. Key advantages include excellent tissue match and minimal donor site morbidity, preservation of sensation due to intact neurovascular structures, and adequate soft tissue coverage, allowing for primary closure. The digital filet flap offers a viable alternative to skin grafting or more extensive flap procedures, which may be associated with greater donor site morbidity. The technique aligns with current guidelines for surgical margins based on Breslow depth while providing a functional and aesthetically pleasing result.						
Format	Case Study							
Case Rpt Followup	12							
Student Club Classification Level of Evidence	Soft Tissue/T Level IV	umor						
Authors/Financial I	Disclosures							
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Submission ID	05-01307					Ref ID CS-1307		
Title	Under Pro Secondary	essure: A Rare y to Pressure V	e Presentation of Co Washer Injury	rude Oil In	jection Injur	y to the Foot		
Submit Date	10/15/2024							
Correspondent	Last Name: Full Name: Practice/Com	Campbell Stephanie pany/Residency Pro	gram:	Email: University Ho	dr.stephaniecam ospital, University	pbell@gmail.com Health		
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Purpose	Fluid injection into soft tissue tissue damage to complication explores litera and outcomes	Fluid injection injuries, or high-pressure injection injuries (HPIIs), occur when pressurized liquids are accidentally injected into soft tissues, usually through industrial equipment. Although rare, these injuries pose significant risks due to potential tissue damage, infection, and long-term complications. Foot injuries can be especially problematic because of susceptibility to complications like compartment syndrome, tissue necrosis, severe infection, and potential amputation. This case study explores literature on fluid injection injuries to the foot, focusing on mechanisms, complications, management strategies, and outcomes.						
Methodology								
Procedures	We present a field. After cl	case study of a 36-y- inical evaluation and	ear-old male who sustained l radiographic assessment,	l a pressure-wa prompt operati	sher injury to the f ve debridement wa	oot while working in an oil as recommended.		
Results	The patient un crude oil cont wound therap	nderwent serial debr aminants, adhering t y and split-thickness	idement with multiple roun to the principle of "like dis s skin grafting to achieve e	nds of irrigation solves like". Th pithelialization	using non-polar a patient then rece	gents to effectively remove vived negative pressure		
Discussions	Fluid injection The foot's and injuries partic essential in re compartment	Fluid injection injuries to the foot, though rare, are serious and can result in significant morbidity if not treated promptly. The foot's anatomy, combined with the potential for high-pressure fluid to track through multiple tissue planes, makes these injuries particularly challenging. Early surgical intervention, along with aggressive wound care and infection control, is essential in reducing the risk of long- term complications. Clinicians should maintain a high index of suspicion for compartment syndrome and infection in any patient presenting with a high-pressure injection injury.						
Format	Case Study							
Case Rpt Followup	13							
Student Club	Wound Care/	nfectious Diseases						
Level of Evidence	Level IV							
Authors/Financial D	lisclosures							
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):		
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Submission ID	05-01320			Ref ID CS-1320
Title	Minimall Postoper	ly Invasive Achilles Detach/Reatta ative Rupture: A Case Report	ch Tendo	n Repair Complicated by
Submit Date	10/15/2024			
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	Practice/Con	npany/Residency Program:	LECOM-He (PMSR/RR.	ealth Podiatric Medicine & Surgery Residency A) Program
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	Author 5:		Author 6:	
	Author 7:		Author 8:	
Purpose	This case rep treating Achi underwent m consideration selection for serious comp	port investigates the complexities and potential of illes tendinopathy and Haglund's deformity. By inimally invasive surgery and later required op ns in procedure selection for optimal patient out MIS approach to Haglund's resection with Ach plication suffered in this specific case.	consequences analyzing the en surgical int comes. The re illes detach/rea	of minimally invasive surgical approaches in case of a 52-year-old woman who initially ervention, the study aims to display the critical port will emphasize the importance of patient attach and highlight the subsequent repair of the
Methodology				
Procedures	A 52-year-ol- minimally in standard post open surgica	d woman with insertional Achilles tendinitis, H wasive surgery using the MIS SpeedBridge syst t-operative rehabilitation, the patient developed I repair with V-Y lengthening and Flexor Halluc	aglund's defor em, initially sl a complete A cis Longus ten	mity, and gastrocnemius equinus, who underwent howed promising results. Despite months of chilles tendon rupture, requiring a revisional don transfer.
Results	At 12 weeks successfully without restr	post-op, MRI revealed a complete achilles tend repaired the rupture, with patient weight bearin, ictions or complaints at 32-week s/p initial inter	on tear with a g in a boot at 4 vention.	6 cm gap. Open revisional intervention 4 weeks and in shoes at 7 weeks. She was
Discussions	The initial m rupture. Tran carefully sele pitfalls of ne	inimally invasive approach seemed promising b asitioning to an open approach achieved success ecting surgical techniques and adapting treatmen w surgical methods.	out ultimately ful outcomes. nt plans to ind	failed, leading to a complete Achilles tendon This case underscores the importance of ividual patient needs, highlighting the potential
Format	Case Study			
Case Rpt Followup	14			
Student Club				
Classification	Trauma			
Level of Evidence	Level IV			
Autnors/Financial D	Disclosures			
Full Name:	Email:	Disclosure(s) selected:		Disclosed Organisation(s):

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Submission ID	05-01323				Ref ID CS-1323				
Title	Post-Proc	Post-Procedural Management After Deep Venous Arterialization							
Submit Date	10/15/2024								
Correspondent	Last Name: Full Name: Practice/Com	Vavra Allysa M Vavra, DPM pany/Residency Progra	M MS m:	Email: Hospital of th	allysa.vavra@pennmedicine.upenn.edu e University of Pennsylvania				
Authors	Author 1: Author 3: Author 5: Author 7:	Allysa M Vavra MS I William "Jake" Brow	DPM nell DPM FACFAS	Author 2: Author 4: Author 6: Author 8:	Brett C Chatman DPM FACFAS Elizabeth Genovese MD MS FACS RPVI				
Purpose	This study air effects of amp individuals w seeks to provi from chronic	This study aims to explore the post-procedural management after deep venous arterialization, specifically examining the effects of amputation timing, surgical techniques and wound care strategies on patient recovery and long-term outcomes in individuals with chronic limb ischemia. By contributing to the understanding of post-procedural care in DVA, our research seeks to provide evidence-based recommendations that optimize recovery and improve quality of life for patients suffering from chronic limb ischemia.							
Methodology									
Procedures	We analyzed t surgical timin examining va and gaps in cu	We analyzed the outcomes of 5 patients who underwent a DVA, focusing on the impact of guided recommendations on surgical timing and post-procedural care. Studies were included if they detailed management for DVA, specifically examining various surgical timing and wound care approaches. Analysis of our patients was performed to identify trends and gaps in current practice							
Results	Implementing care practices demonstrating recovery inclu	Implementing guided recommendations on surgical timing & procedure along with close follow up with planned wound care practices, patient outcomes were optimized. Patients exhibited improved healing rates and reduced complications, demonstrating the effectiveness of adhering to established protocols in managing post-DVA care. Key factors influencing recovery included the specific surgical method employed, timing of interventions, and chosen wound care protocols.							
Discussions	The findings i outcomes foll best practices comprehensiv	The findings indicate a critical need for standardized protocols in surgical and wound care management to enhance outcomes following DVA. While tailored strategies show promise, further research is essential to establish evidence-based best practices. This study emphasizes the importance of continuous clinical evaluation and the formulation of comprehensive guidelines to optimize patient care in this evolving area of vascular treatment.							
Format	Case Study								
Case Rpt Followup	12								
Student Club									
Classification	Diabetic Foot								
Level of Evidence	Level V								
Authors/Financial I	Disclosures								
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-01327				Ref ID CS-1327				
Title	The "Slow Coccidioid	The "Slow-Burning" Soft Tissue Infection: A Rare Case of Disseminated Coccidioidomycosis of the Lower Extremity.							
Submit Date	10/15/2024								
Correspondent	Last Name:	Jones							
	Full Name: Practice/Comp	Miriam, K, J any/Residenc	ones, DPM PGY-2 y Program:	Email: Kaiser Perma	miriam.x.jones@kp.org mente San Francisco Bay Area/Oakland				
Authors	Author 1: Author 3: Author 5: Author 7:	Miriam K. Jo Daisy L. Sur	ones, DPM, PGY-2 ndstrom, DPM	Author 2: Author 4: Author 6: Author 8:	Meilee L. Chen, DPM				
Purpose	Primary: Prese pathogen - Coo awareness of d	Primary: Present a case of an atypical, "slow burning" pedal STI caused by a rare, but increasingly prevalent fungal athogen - Coccidioides Immitus. Secondary: highlight thorough work-up, early aggressive sx intervention, raise wareness of disseminated fungal infxn manifestations in the lower extremity							
Methodology									
Procedures	Coccidioidom incidence in C affect meninge in F/A lit, mos midfoot/ankle & ? 1st MT O! atypical infxn recurrent foot/	Coccidioidomycosis aka "valley fever" typically presents w/ pulmonary manifestations. Endemic to SW USA w/ increasing incidence in CA of ~800% from 2000-2018 (CDC). Symptomatic extrapulmonary manifestations (<1% of cases) typically affect meninges, skin/soft tissue, & bone in immunocompromised pts. 50-80% of MSK reports in spine & hand. <10 cases in F/A lit, most w/ OM 40yoM pt p/t ED w/ purulent PD cath site infXn, +MSSA; pod c/s HD#5 - worsening medial midfoot/ankle cellulitis s/s despite broad spectrum IV abx & w/o pedal wound. HD#6 MRI w/ large abscess along flexors & ? 1st MT OM ~ OR I&D w/ 100ccs purulent fluid. Fungal infXn w/w was not considered until HD#12 d/t worsening, atypical infXn of unknown etiology. Cocci panel + ~ itracon started. InfXn improved, wound closed. 2mos later, significant recurrent foot/ankle infXn w/ mx pustules requiring readmit & 2 more I&Ds.							
Results	Pt was treated 4wks off antifu	Pt was treated w/~8mos itraconazole w/ complete resolution of pedal infection w/in 5mos of index I&D however, w/in 3-4wks off antifungal, significant pulmonary manifestation flare, now on long term suppression w/ fluconazole.							
Discussions	<10 cases in F early, aggressi	/A lit, most w/ ve I&D, long :	/ OM. STI's can by more puzzling f/u	g. Case is a rei	ninder to consider all pathogens w/ STIs. Tx				
Format	Case Study								
Case Rpt Followup	20								
Student Club									
Classification	Wound Care/In	nfectious Dise	ases						
Level of Evidence	Level IV								
Authors/Financial Di	sclosures								
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-01331					Ref ID CS-1331		
Title	Treatmen with Mod	t of Recald lified Maff	citrant Insertional A Gulli Technique	chilles Tendo	nitis and Re	trocalcaneal Exostosis		
Submit Date	10/15/2024							
Correspondent	Last Name: Full Name: Practice/Com	Wilhalme Kenneth R. npany/Residenc	Wilhalme Jr. DPM 29 Program:	Email: St. Mary's Ge	krwilhalme@; eneral Hospital	gmail.com		
Authors	Author 1: Author 3: Author 5: Author 7:	Kenneth R. Ambreen N.	Wilhalme Jr. DPM Sharif DPM, AACFAS	Author 2: Author 4: Author 6: Author 8:	Henna S. Akb Michael Subik	arzai DPM r, DPM. FACFAS		
Purpose	Insertional ac leading to de literature to t minimally in ultrasound to	Insertional achilles tendinopathy accounts for one-third of all Achilles pathology due to compressive and tensile forces leading to degenerative changes in the tendon and posterior calcaneus. Many surgical modalities are described in the literature to treat insertional Achilles tendinopathy with a degenerative retrocalcaneal exostosis, including open and minimally invasive approaches. We present a surgical technique to treat degenerative retrocalcaneal exostosis via ultrasound to restore the function of the Achilles tendon utilizing a minimally invasive approach.						
Methodology								
Procedures	6 patients wh ultrasonic de	6 patients who underwent MIS retrocalcaneal resection with concurrent percutaneous Achilles tendon repair using ultrasonic debridement were included in this study.						
Results	6 retrocalcan results. The a patients had s experienced a	6 retrocalcaneal resections with concurrent Achilles tendon debridements via Ultrasound are described along with their results. The average patient age was 57 years old (52-80 years old). One patient was treated with conservative care and 4 patients had staged surgical approaches. The average time to full weight bearing was 6 weeks post-operatively. 1 of 6 experienced a complication necessitating bone anchor removal and tendon reinforcement.						
Discussions	We describe a that is reprod painful poste strengthen th Achilles inse	We describe a method of minimally invasive retrocalcaneal exostosis resection with percutaneous Achilles tendon repair that is reproducible, cost-effective, and provides excellent results with low risk of complication. This approach removes the painful posterior calcaneal exostosis through ultrasonic debridement and a modified Maffulli technique is used to strengthen the recalcitrant insertional Achilles tendinopathy, preventing future pathology. This preserves most of the Achilles insertion site and allows a more ravid return to weight bearing versus other surgius approaches.						
Format	Case Study							
Case Rpt Followup	12							
Student Club								
Classification	Trauma							
Level of Evidence	Level IV							
Authors/Financial D	isclosures							
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Submission ID	05-01343 Ref ID CS-1									
Title	Pinch Grafts Wounds	Pinch Grafts: A Cost-Effective Full-Thickness Alternative to Skin Substitutes for Small Wounds								
Submit Date	10/15/2024									
Correspondent	Last Name: A Full Name: A Practice/Compan	likhani-Ko mir, Pouria y/Residenc	opaei 1, Alikhani-Koopaei y Program:	Email: UT Health Sat	alikhanikoop@uthscsa.edu 1 Antonio					
Authors	Author 1: A Author 3: Author 5: Author 7:	likhani-Ko	opaei	Author 2: Author 4: Author 6: Author 8:	; Collin Pehde, DPM, FACFAS					
Purpose	Diabetic ulcers ca wounds, options a small wounds. Ac require coverage grafts can be a co	Diabetic ulcers can lead to infections that may result in amputations, regardless of their size. When managing small wounds, options are limited, including the use of skin substitutes. However, skin substitutes can be a costly option for small wounds. Additionally, small defects post-surgical intervention and source control of diabetic foot infections may require coverage to prevent further hospitalization and reduce the risk of below-knee and other foot amputations. Pinch grafts can be a cost-effective way to mitigate this risk.								
Methodology										
Procedures	Two patients had the other was due them unsuitable c wounds.	Two patients had open wound defects. One resulted from an infection following the amputation of the fourth digit, while the other was due to a non-resolving, non-infected diabetic ulcer. Both patients were uninsured and self-paying, making them unsuitable candidates for skin substitutes due to the additional cost. Instead, a pinch graft was applied to manage their wounds.								
Results	Both patients' wo	ounds healed	d successfully within 3 months of	f pinch graft pr	ocedure.					
Discussions	In conclusion, ou benefiting diabeti wounds, offering	In conclusion, our service effectively utilizes full-thickness pinch grafts over the sinus tarsi for small wounds, particularly benefiting diabetic patients. This cost-effective method is ideal for diabetic foot ulcers and other small, well-vascularized wounds, offering a reliable alternative for limb preservation.								
Format	Case Study									
Case Rpt Followup	12									
Student Club										
Classification	Diabetic Foot									
Level of Evidence	Level IV									
Authors/Financial Di	isclosures									
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):					
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Submission ID	05-01345	05-01345 Ref ID CS-						
Title	Total Talı	Total Talus Survivorship: A Case Series						
Submit Date	10/15/2024							
Correspondent	Last Name:	Kennedy						
	Full Name:	Matthew D	Kennedy, DPM	Email:	kennedy.x.matthew@kp.org			
	Practice/Com	pany/Residen	cy Program:	San Francisco	Bay Area Foot and Ankle Residency Program			
Authors	Author 1:	Joseph Dick	cinson, DPM	Author 2:	Jason Pollard, DPM			
	Author 3:			Author 4:				
	Author 5:			Author 6:				
	Author 7:			Author 8:				
Purpose	The purpose Kaiser San Fi	of this case ser rancisco medic	ries is to provide survivorshi cal centers between 2018-20	ip data for total talus 123	implants performed at Kaiser Oakland and			
Methodology								
Procedures	The purpose Permanente f	of this case ser acilities betwe	ries is retrospective review o en 2018-2023. Primary outo	of patients undergoin come measure will b	g total talus replacement while at a Kaiser e survivorship of implant.			
Results	A total of 15 revisions of t living.	A total of 15 patients were collected from the period. Two implants were lost due to limb amputation, two patients required revisions of their implants. At time of writing, all other implants were stable, and patients had returned to activities of daily living.						
Discussions	Avascular new from talecton more widely outcomes foll months. Our of following	Avascular necrosis of the talus is a devastating lower extremity injury. Treatment for these injuries has historically ranged from talectomy, tibiocalcaneal fusion, modified Blair fusion, or amputation. Recently total talus implants are becoming more widely used for treatment of these injuries, whoever survivorship data is limited. Literature on survivorship and outcomes follow total talus implants is limited. What literature is available ranges in follow ups from 12 months – 36 months. Our goal is to provide short to medium term outcomes on survivorship data for total talus implants, with the goal of following these nationals for long term outcomes.						
Format	Case Study							
Case Rpt Followup	12							
Student Club								
Classification	Rearfoot and	Ankle Recons	truction					
Level of Evidence	Level IV							
Authors/Financial D	isclosures							
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):			
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Submission ID	05-01349	05-01349 Ref ID C						
Title	Rate of Avascular	ate of Avascular Necrosis Following Talar Neck Fractures: A Case Series						
Submit Date	10/15/2024							
Correspondent	Last Name: Lancaste	r						
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Authors	Author 1: Thomas	O. Lancaster, DPM	Author 2:	Joshua T. Smith, DPM				
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	Author 5:		Author 6:					
	Author 7:		Author 8:					
Purpose	In the original report on of avascular necrosis in initial trauma. This case comparison to Hawkin's	t the original report on talar neck fractures with associated peri-talar dislocations, Hawkins et al. reported a 91% incidence f avascular necrosis in Type III fracture dislocations. The high rate was attributed to a disruption in blood supply from the titial trauma. This case series documents several cases of talar fracture/dislocations, and the rate of avascular necrosis in omparison to Hawkin's original reported rate.						
Methodology								
Procedures	We performed a retrospe treated by a single surge	ctive review of patients at least on for talar neck fractures betwe	18 years-old, with meen 2019 and 2023.	ninimum follow-up of 12 months, definitively				
Results	Fifteen patients with 15 (range, 21-63) and mean identified 3 Type IV tala necrosis, originally a Ha	ifteen patients with 15 fractures were identified. Of these patients, 5 met the inclusion criteria, with an average age of 42.2 range, 21-63) and mean follow-up of 19.2 months (range, 12-28 months). According to the Hawkins classification, we dentified 3 Type IV talar fracture dislocations, 1 Type III, and 1 Type II. Only one of 5 (20%) developed avascular tecrosis, originally a Hawkins III injury. Notably, none of the Hawkins IV patients have developed avascular necrosis.						
Discussions	We present a significant by Hawkins et al. Additi	y lower incidence of avascular onal research is warranted to in	necrosis following ta vestigate contributin	alar neck fracture dislocations than predicted g factors for avascular necrosis.				
Format	Case Study							
Case Rpt Followup	12							
Student Club								
Classification	Trauma							
Level of Evidence	Level IV							
Authors/Financial D	isclosures							
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Submission ID	05-01350 Ref ID CS-1							
Title	Use of MIS Calcane Equinovarus and B	Use of MIS Calcaneal Slide and Tendon Balancing Procedures for Diabetic Equinovarus and Balanced Foot						
Submit Date	10/15/2024							
Correspondent	Last Name: Reddy Full Name: Malika N Ro Practice/Company/Residence	eddy, DPM PGY-3 :y Program:	Email: University Ho	reddymalika@gmail.com ospital				
Authors	Author 1:Malika N RoAuthor 3:Adam BernaAuthor 5:Author 7:	eddy, DPM PGY-3 ttsky, DPM FACFAS	Author 2: Author 4: Author 6: Author 8:	Ellie McNeal, DPM PGY-1				
Purpose	The purpose of this case stu procedures in a high risk dia	dy is to highlight the utility of a nuberic patient with equinovarus.	ninimally inva	sive calcaneal slide with tendon balancing				
Methodology								
Procedures	Patient is a 41 year old male half, he had a series of debri chronic wounds on the later proximal phalangeal joint. E Patient decided to pursue su	Patient is a 41 year old male with a past medical history of type 2 diabetes mellitus with polyneuropathy. Over a year and a half, he had a series of debridements which included a left foot partial fifth ray resection and hallux amputation. This led to chronic wounds on the lateral plantar foot and contracture of the lesser digits causing ulceration of the second digit at the proximal phalangeal joint. Extensive discussion was had with the patient about pursuing surgical versus conservative care. Patient decided to pursue surgical care to prevent further ulceration in the future.						
Results	The goals of surgical interve the non-functioning contrac amputation of digits two thr block test, a split tibialis ant was performed. The ulcer w	The goals of surgical intervention were to correct the equinovarus in order to decrease load on the lateral column, remove the non-functioning contracted digits, and debride the remaining ulcer. For the non-functioning contracted digits, amputation of digits two through four was performed. To correct the non-reducible equinovarus assessed via coleman block test, a split tibialis anterior, laterally displaced minimally invasive calcaneal slide, and tendo-achilles lengthening was performed. The ulcer was debrided and allograft dermal matrix as well as wound vacuum were applied.						
Discussions	Following this high risk, hig the most current follow up (foot.	gh reward procedure, the lateral p over one year since procedure), t	lantar foot ulce he patient has l	r was healed at seven weeks postoperatively. At and no reulceration or amputation of the left				
Format	Case Study							
Case Rpt Followup	14							
Student Club								
Classification	Diabetic Foot							
Level of Evidence	Level IV							
Authors/Financial Di	sclosures							
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Submission ID	05-01352				Ref ID CS-1352				
Title	Elevating using Para	Elevating Outcomes: Minimally Invasive Management of Chronic Heel Ulceration Ising Parachute Technique							
Submit Date	10/15/2024								
Correspondent	Last Name: Full Name: Practice/Com	Wilmot Isaac, M, Wi pany/Residenc	ilmot, DPM, PGY-3 :y Program:	Email: University of	isaacmwilmot@gmail.com Florida Health Jacksonville				
Authors	Author 1: Author 3: Author 5: Author 7:	Isaac M. Wi John S. And	lmot, DPM, PGY-3 erson, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Firas Katmeh DPM, MSH, PGY-3 Jason A. Piraino, DPM, FACFAS				
Purpose	Chronic heel to must account notably of the technique" as	Chronic heel ulcerations, despite the etiology, are complex and often life-altering conditions. Treatment is multi-modal and must account for biologic as well as biomechanical factors. This case focuses on the treatment of soft tissue defects, notably of the plantar fat pad. The purpose of this study was to evaluate efficacy and describe the method of the "parachute technique" as a minimally invasive treatment modality in healing full thickness ulcerations of the plantar foot.							
Methodology									
Procedures	A single-case complications using human surgical debrid evaluations.	A single-case study was conducted on a 46-year-old patient presenting with chronic heel ulceration of two years following complications of an Achilles tendon repair surgery. The parachute technique, described by Rocchio in 2008, was performed using human dermal allograft, implanted sub-dermally within the plantar heel to augment fat pad atrophy from prior surgical debridement and infection. The patient was followed post-operatively for three years, with ongoing clinical evaluations.							
Results	Results indica has continued cultures, patho	Results indicated a 100% closure of soft tissue defect and return to weight-bearing at four weeks post-operatively. Patient has continued to present ulcer-free without recurrence or complications of the surgical site. Patient documentation includes cultures, pathologic results, radiographic and photographic evidence throughout the treatment course.							
Discussions	These finding managing chr described in li research into t	These findings suggest that the parachute technique, when combined with HDA, can be an effective intervention for managing chronic heel ulcers, promoting faster healing and augmentation of soft tissue defects. Although previously described in literature, this technique's application in this specific case highlights its unique benefits, warranting further research into this technique and augmentation constituents.							
Format	Case Study								
Case Rpt Followup	36								
Student Club									
Classification	Wound Care/I	nfectious Dise	eases						
Level of Evidence	Level V								
Authors/Financial Di	sclosures								
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-01355 Ref ID CS-								
Title	Wide Exe	Wide Excision of Locally Invasive Basal Cell Carcinoma with Ankle Arthrodesis							
Submit Date	10/15/2024								
Correspondent	Last Name: Full Name: Practice/Con	Vanden Hoek Kayla N. Vande npany/Residency P	n Hoek, DPM rogram:	Email: Bethesda He	kayla.vandenhoek@baptisthealth.net ospital East, Baptist Health South Florida				
Authors	Author 1: Author 3: Author 5: Author 7:	Kayla N. Vande	n Hoek, DPM	Author 2: Author 4: Author 6: Author 8:	Julio C. Ortiz, DPM, FACFAS				
Purpose	The goal of t structures of fibula and di	The goal of this case study is to illuminate the rare yet possible invasion of basal cell carcinoma (BCC) into osseous structures of the lower extremity and to illustrate progressive deformities that arise due to resultant radical resection of the fibula and disruption of the common peroneal nerve.							
Methodology									
Procedures	Patient is an extremity. Pa application o remaining m	Patient is an 84-year-old female with an extensive past surgical history for the treatment of BCC of the right lower extremity. Patient underwent soft tissue neoplasm resection, allograft application, negative pressure therapy application, application of split thickness skin graft, and eventual radical proximal fibula resection. A postoperative PET scan revealed remaining malignancy of the distal fibula, leading to fibular remnant resection and ankle arthrodesis							
Results	Patient achie remarkable f arch region d cavovarus de	Patient achieved successful union of the tibiotalar joint within 8 weeks of arthrodesis. Pathology report of fibula was remarkable for BCC postoperatively. Patient complains of pain, most notably to the plantar heel extending into the medial arch region described as a constant tightness as well as the inability to dorsiflex her toes. She currently presents with mild cavovarus deformity of the right lower extremity.							
Discussions	BCC is a loc resection of t deformity is presentation Steindler Str	BCC is a locally invasive skin cancer with a paucity of literature surrounding its invasion into osseous structures. Radical resection of the distal fibula destabilizes the tibiotalar joint, necessitating ankle arthrodesis. Progressive cavovarus deformity is an expected sequela following disruption to the common peroneal nerve. Planned procedures to address this presentation will likely include Flexor Tendon Lengthening, Digital Flexor Tenotomies, Tarsal Tunnel Release with Steindler Stripping.							
Format	Case Study								
Case Rpt Followup	13								
Student Club									
Classification	Soft Tissue/T	lumor							
Level of Evidence	Level IV								
Authors/Financial I	Disclosures								
Full Name:	Email:		Disclosure(s) select	ed:	Disclosed Organisation(s):				
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FACFAS

Submission ID	05-01359				Ref ID CS-1359				
Title	Case Stud Lymphoh	Case Study: Spastic Equinus Contractures Arising from Haemophagocytic Lymphohistiocytosis							
Submit Date	10/15/2024								
Correspondent	Last Name:	Lahiri							
	Full Name:	Rajat K Lah	iri, DPM	Email:	rajat.lahiri@live.com				
	Practice/Com	pany/Residenc	y Program:	Swedish Me	dical Center Residency				
Authors	Author 1:	Rajat K Lah	iri, DPM	Author 2:	Tony DH Kim, DPM				
	Author 3:			Author 4:					
	Author 5:			Author 6:					
	Author 7:			Author 8:					
Purpose	This case stud contractures,	This case study examines a 45-year-old female with haemophagocytic lymphohistiocytosis and acquired spastic equinus contractures, highlighting her surgical correction and implications for patient management.							
Methodology									
Procedures	The case invo immune respo such as acqui custom shoew to address her	olves a 45-year- onse characteri: red spastic equivear and bracin r condition and	-old female patient dia zed by excessive infla inus contractures due g, the patient later un improve mobility.	agnosed with haemophag ummation and neurologic to prolonged immobility derwent staged bilateral	cocytic lymphohistiocytosis (HLH), a severe al ahonormalities. HLH can lead to complications and muscle imbalances. Initially managed with surgery, including tendon transfers and fusions,				
Results	The patient un procedures pe mobility. Post	nderwent bilate erformed six m t-surgery, the p	eral surgical interventi onths apart. The surge atient demonstrated s	ions to address her acquir eries included tendon tran ignificant improvement i	red spastic equinus contractures, with the asfers and fusions, aimed at restoring functional n gait and reduced contracture severity.				
Discussions	This case hig contractures of musculoskele patient experi multidisciplin	This case highlights the successful surgical outcome following staged surgeries addressing acquired spastic equinus contractures due to haemophagocytic lymphohistiocytosis (HLH). The condition's systemic effects can lead to musculoskeletal complications, such as muscle weakness and joint stiffness. By addressing these issues surgically, the patient experienced improved mobility and quality of life. This underscores the importance of early recognition and multidisciplinary management of HLH-related musculoskeletal problems							
Format	Case Study								
Case Rpt Followup	29								
Student Club									
Classification	Neurological/	Peripheral Ner	ve Disorders						
Level of Evidence	Level IV								
Authors/Financial D	Disclosures								
Full Name:	Email:		Disclosure(s) selecte	ed:	Disclosed Organisation(s):				
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Submission ID	05-01360 Ref ID CS							
Title	Surgical '	Surgical Treatment of Atypical Clubfoot in Developing Countries						
Submit Date	10/15/2024							
Correspondent	Last Name: Full Name: Practice/Con	Clougherty Coleman O. Cl npany/Residency I	ougherty, DPM, MA Program:	Email: Samuel Me	coleman.clougherty@gmail.com rritt University- College of Podiatric Medicine			
Authors	Author 1: Author 3: Author 5: Author 7:	Coleman O. Cl	ougherty, DPM, MA	Author 2: Author 4: Author 6: Author 8:	Hamda Shakil			
Purpose	This poster p tissue release highlights eff training of lo	This poster presents our findings on the successful correction of pediatric neglected bilateral clubfoot using isolated soft tissue release and extra-articular osteotomies. With full weight-bearing achieved at two months post-surgery, our work highlights effective surgical strategies for developing countries. We aim to advocate for tailored surgical approaches and training of local healthcare providers to enhance podiatric care in resource-limited settings.						
Methodology								
Procedures	A 2 year old ankle capsuld and lateral co at 12 weeks.	patient from Hono otomy, Z lengthen olumn fixated with	duras with irreducible con ing of PT, Achilles, and E a smooth K-wires and cas	genital clubfoot h HL tendons, a clo ted in BK cast at t	ad rearfoot reconstruction done with posterior sing wedge osteotomy of the cuboid, and ankle 90 degrees. Patient was placed in an ankle brace			
Results	There was a satisfication of the second seco	There was a successful correction of pediatric neglected bilateral clubfoot usling isolated soft tissue release and extra- articulated osteotomies with temporary fixation. Full weight bearing was achieved at 2 months.						
Discussions	Our study de and extra-arti indicating the deformities, 1 the standard. potential of ta	Our study demonstrated successful correction of pediatric neglected bilateral clubfoot through isolated soft tissue release and extra-articular osteotomies with temporary fixation. Remarkably, full weight-bearing was achieved within two months, indicating the efficacy of this approach. Although Ponseti casting is an efficacious treatment for traditional clubfoot deformities, not all developing countries have the ability and resources to perform such treatment, thus surgical options are the standard. In complex cases such as this atypical clubfoot, surgical correction is optimal. This outcome emphasizes the potential of failored survical technicules in resource-limited settings.						
Format	Case Study							
Case Rpt Followup	12							
Student Club								
Classification	Rearfoot and	Rearfoot and Ankle Reconstruction						
Level of Evidence	Level IV							
Authors/Financial D	Disclosures							
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):			
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Submission ID	05-01362					Ref ID CS-1362			
Title	Treatmen	Freatment of a Rare Vascular Tumor in the Ankle: A Case Study							
Submit Date	10/15/2024								
Correspondent	Last Name: Full Name: Practice/Com	Namasivayam Sanjna 1pany/Residency F	Program:	Email: St. Mary's Ge	sanjna.namasiv eneral Hospital	ayam@gmail.com			
Authors	Author 1: Author 3: Author 5: Author 7:	Sanjna Namasi Michael Subik,	vayam, DPM DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Ambreen Shari	f, DPM, AACFAS			
Purpose	Spindle cell l common in c Multiple lesio	pindle cell hemangioma (SCH) was described by Weiss and Enziger in 1986 as a rare benign vascular lesion, more ommon in children and young adults. It typically presents in the dermis and subcutaneous tissue of distal extremities. fultiple lesions are associated with Maffucci's syndrome. We present a case of SCH removed by wide local excision							
Methodology									
Procedures	A 73 yo fema Imaging and overlying the frozen pathol	A 73 yo female presents with a mass to her left anterior ankle that was present for over 10 years and increased in size. Imaging and intraoperative findings reveal a well-circumscribed, reddish-tan hemorrhagic nodule in the dermis of the ankle overlying the superior extensor retinaculum. Wide local excision of the soft tissue mass was performed and sent for fresh frozen pathology.							
Results	Histopatholo	Histopathology reveals spindle cell hemangioma with intraluminal calcified nodules							
Discussions	Surgical exci accurate histo contributes to good cosmes presentations	Surgical excision and regular follow-up remain the current treatment method. An MRI for surgical planning and an accurate histological diagnosis is important to avoid mismanagement and worsening of patient outcomes. Our study contributes to the literature by presenting a unique case of SCH in the ankle of an elderly female patient that resulted in good cosmesis and functional outcomes. Physicians should include SCH in the differential diagnosis in cases with similar presentations.							
Format	Case Study								
Case Rpt Followup	12								
Student Club									
Classification	Soft Tissue/T	umor							
Level of Evidence	Level IV								
Authors/Financial D Full Name:	isclosures Email:		Disclosure(s) selected:			Disclosed Organisation(s):			
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Consultant/Advisor/Speaker (List all affiliations)

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Submission ID	05-01364				Ref ID CS-1364				
Title	Intramed PROMs	Intramedullary Percutaneous screwing for lesser metatarsal fracture (2,3,4) with PROMs							
Submit Date	10/15/2024								
Correspondent	Last Name: Full Name:	Giagnacova Albert	l	Email:	Albertdpm@gmail.com				
	Practice/Con	npany/Residend	cy Program:	Company	1 00				
Authors	Author 1:	Albert Giag	nacova	Author 2:	James Polowczyk DPM, FACFAS				
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	Author 7:	Lev Dicklic	DIW	Author 8:					
Purpose	We evaluated screwing and parameters in MIS surgery	We evaluated 3 techniques for lesser metatarsal fracture (2,3,4), Nonweighbearing/ Cam walker, percutaneous full threaded screwing and direct open repair. Factor we considered include return to work and shoe gear, functionality, edema, were parameters including radiographic. We used AOFAS Proms scoring system to validate results. Advent of Percutaneous- MIS surgery within the literature we felted appropriate to share our results.							
Methodology									
Procedures	Over 100 stu Specifically S literature con	Over 100 studies have been presented for Jones' type Fracture/ 5th metatarsal, including Sauer, Aynardi Zenios. Specifically Samalia looked at spiral fracture, further technique published for stress fractures 4th metatarsal, there is scant literature comparing lesser metatarsal with 3 different treatment option head to head outlined above.							
Results	NWB/Cam w struggled wit percutaneous intramedullar circumferenc heavy-weigh	NWB/Cam walker group had the least amount of swelling, but least impressive radiographics. The Open Repair group struggled with swelling, nerve entrapment, scars, hardware irritation, but with good radiographics. The intramedullary percutaneous group had good alignment with no fore mention problems from the open repair group. Percutaneous intramedullary had excellent edema control return to work and patient satisfaction, and functionally. Midfoot circumference were used in three group including VAS. Socio-impact factors such as return to work and exercise were heavy-weipted factors. An independent factor - Percutaneous intramedullary had bone marrow aspirated injected.							
Discussions	81 lesser met the criteria us activityLisfi	atarsal shows a sed showed pat rancs, metatars	all three groups are app tients were accepting of al base, and direct impa	ropriate. Percutaneous in f minor surgery, if they h act faired best in terms o	ntramedullary group had the strongest PROMS, ave a faster to return to day-to-day f fracture pattern for our group.				
Format	Case Study								
Case Rpt Followup	27								
Student Club									
Classification	Trauma								
Level of Evidence	Level III								
Authors/Financial D	isclosures								
Full Name:	Email:		Disclosure(s) selected	1:	Disclosed Organisation(s):				
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Submission ID	05-01367	05-01367 Ref ID CS-							
Title	Double Te After Fiftl	Double Tendon Transfer and Posteromedial Lengthening to Treat Varus Deformity After Fifth Ray Resection in Patient with Transmetatarsal Amputation: A Case Study							
Submit Date	10/15/2024								
Correspondent	Last Name:	Krishnan							
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	Practice/Comp	oany/Residency	Program:	VA Palo Alto	Health Care Systems				
Authors	Author 1:	Jannani Krish	inan, DPM	Author 2:	Aaron Handa, DPM				
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	Author 5:			Author 6:					
	Author 7:								
Purpose	This case stud varus deformi	This case study investigates tibialis anterior and peroneus brevis tendon transfer with posteromedial lengthening to treat arus deformity following 5th ray resection in patient with transmetatarsal amputation.							
Methodology									
Procedures	A 66 year old ulcer beneath admitted for a was disarticula ensuring clear suture button t Achilles and p	A 66 year old diabetic male with right foot transmetatarsal amputation and equinovarus deformity presents with an infected ulcer beneath the fifth metatarsal base. MRI was suggestive of osteomyelitis to the fifth metatarsal base. The patient was admitted for antibiotics and staged surgery. He underwent source control with excision of the ulcer and the fifth metatarsal was disarticulated from the metatarsocuboid joint. Pathology margin from the cuboid was negative for osteomyelitis. After ensuring clearance of infection, he underwent tibialis anterior tendon transfer utilizing biotenodesis screw and external suture button to the lateral cunciform, peroneus brevis transfer to the cuboid with knotless suture anchor, and tendo-Achilles and posterior tibial tendon lengthening.							
Results	The surgical si patient began offloading. Hi	The surgical site healed and the patient was non-weight bearing for 6 weeks. The suture button was removed and the patient began weight bearing in boot. He developed ulcer beneath the residual 4th metatarsal which was treated with offloading. His ulcer healed and he is ambulating 15 months from initial surgery.							
Discussions	Anterior tibial use of this tecl have undergor useful protoco	Anterior tibial tendon transfer for treating varus contracture after transmetatarsal amputation is well known. We describe use of this technique along with peroneus brevis transfer and posteromedial lengthening in patient that otherwise would have undergone Lisfranc amputation. This case study suggests that proximal amputation can be avoided and describes a useful protocol for patients with transmetatarsal amputation and fifth ray osteomyelitis.							
Format	Case Study								
Case Rpt Followup	15								
Student Club									
Classification	Diabetic Foot								
Level of Evidence	Level IV								
Authors/Financial D	visclosures								
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-01368				Ref ID CS-1368				
Title	Compartn Knee Dislo	Compartment Syndrome Secondary to Popliteal Artery Transection from Posterior Knee Dislocation in a 16-Year-Old Football Player Complicated by Pedal Ischemia							
Submit Date	10/15/2024								
Correspondent	Last Name:	Azizi							
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	Practice/Comp	any/Residenc	y Program:	Kaiser Found	dation Hospital				
Authors	Author 1:	Soran, S, Azi	zi, DPM, PGY3	Author 2:	Diana, T, Park, DPM, PGY3				
	Author 3:	Kelly, J, Wal	lin,DPM	Author 4:					
	Author 5:			Author 6:					
	Author 7:			Author 8:					
Purpose	This case detai ischemia in a 1 compartment s	This case details a rare instance of sport-related posterior knee dislocation leading to compartment syndrome and foot ischemia in a 16-year-old athlete. It highlights complications associated with knee dislocations, including lower extremity compartment syndrome and vascular injury, which can quickly result in tissue and limb ischemia.							
Methodology									
Procedures	Recent orthopo energy mechar male, complica great saphenou anterior tibial a	Recent orthopedic literature notes that acute knee dislocation primarily occurs in younger patients, typically due to high- energy mechanisms. We present a unique case where a football injury caused posterior knee dislocation in a 16-year-old male, complicated by compartment syndrome in the foot and leg due to vascular insult. The patient underwent contralateral great saphenous vein bypass to the posterior tibial artery, as there was no flow to the foot; this was later revised to the anterior tibial artery. Orthopedics performed four compartment fasciotomies and applied a knee-spanning external fixator.							
Results	Post-revascula experienced se paresthesia, pa fasciotomy, res extensive muse	Post-revascularization CTA revealed occlusion of the bypass, though a dorsalis pedis signal was present. The patient experienced sensory and motor loss in the foot, prompting a Podiatry consult one day after leg fasciotomy due to pedal paresthesia, pallor, pulselessness, and edema with cyanotic changes in the digits. Podiatry performed an immediate fasciotomy, resulting in improved pedal perfusion and restored signal in the posterior tibial artery. Unfortunately, due to extensive muscle necrosis in the leg and foot the natient ultimately renuired an above-knee amutation.							
Discussions	Rapid diagnost compartment s	is and prompt syndrome lead	intervention in cases of ing to limb loss.	knee dislocation is cru	cial, as arterial compromise in LE may cause				
Format	Case Study								
Case Rpt Followup	12								
Student Club									
Classification	Trauma								
Level of Evidence	Level IV								
Authors/Financial Di	isclosures								
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-01373				Ref ID CS-1373		
Title	Revisional Total Ankle Arthroplasty to a Tibial Stemmed Implant Following Early Failure of Low-Profile Implant in Two Patients that had Previous Trimalleolar Ankle Fractures						
Submit Date	10/15/2024						
Correspondent	Last Name: Loveland Full Name: Jeffrey D. Lo Practice/Company/Residency	veland DPM, FACFAS Program:	Email: Central Tennes	lovelanddpm@ see Foot and Ai)yahoo.com 1kle Center		
Authors	Author 1: Jeffrey D. Lo Author 3: Author 5: Author 7:	veland DPM FACFAS	Author 2: Author 4: Author 6: Author 8:	Brandon Dento	on MBA, ABSA		
Purpose	Two patients that had failure of low-profile tibial implant in Total Ankle Arthroplasty (TAA) in posttraumatic ankle arthritis with existing hardware in the tibial plafond.						
Methodology							
Procedures	Retrospective chart and radiographic review were conducted of the total ankle arthroplasty cases and prior procedures leading up to the early failure. Both patients presented 6 months post primary TAA for posttraumatic arthritis, with continued pain and loss of motion. Upon review of the patient charts and radiographs, the patients had loosening and subsidence of the tibial tray component around the anterior tibial plafond and bone spurring within the joint space. The patients wanted to maintain movement of the joint, so revisional TAA surgery was performed.						
Results	The two patients had removal of the loose/subsided implant and revisional TAA with intramedullary tibial stemmed total ankle. Both patients achieved optimal results following revisional total ankle arthroplasty with pain-free ankle joint movement. Patients have been able to return to work in shoes with no implant issues for the past 36 months.						
Discussions	Patients who undergo TAA, the tibial component should be carefully chosen to help prevent early subsidence. Closer consideration of the bone quality, existing hardware, and determination of cutline level in the preoperative period may be needed to determine appropriate implant for TAA patients with posttraumatic ankle arthritis. Tibial stemmed implants offer an excellent option for patients requiring more stability and the opportunity for improved long-term results from their total ankle replacement, in either the primary or revisional replacement.						
Format	Case Study						
Case Rpt Followup	36						
Student Club							
Classification	Rearfoot and Ankle Reconstruction						
Level of Evidence	Level IV						
Authors/Financial Di	sclosures						
Full Name:	Email:	Disclosure(s) selected:			Disclosed Organisation(s):		
		Consultant/Advisor/Speaker (I	ist all affiliation	ns)	Stryker, Vilex		
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		Grant/Research funding			Stryker		
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Submission ID	05-01375 Ref ID CS-1				Ref ID CS-1375		
Title	Complex Management of a Verruca Carcinoma of the Plantar Foot						
Submit Date	10/15/2024						
Correspondent	Last Name: Full Name: Practice/Com	Ayazo Tarina, DPM pany/Resideno	A cy Program:	Email: MedStar Was	tarinaayazi@gmail.com hington Hospital Center		
Authors	Author 1: Author 3: Author 5: Author 7:	Tarina Ayaz Caitlin Zario	i ck, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Mitchell Goldman, DPM		
Purpose	Squamous cel type, verrucou vulgaris. This of the lesion.	Squamous cell carcinoma (SCC) is a malignant soft tissue tumor which presents less commonly in the foot. One specific type, vertucous carcinoma, has a morphology similar to a plantar wart, which often leads to misdiagnosis as vertucous vulgaris. This can lead to delayed treatment, emphasizing the need for early diagnosis to allow for aggressive management of the lesion.					
Methodology							
Procedures	This case report describes a 70 year-old healthy male with a painful plantar wart which failed several treatments over an 8 month period. Examination revealed a 1.5cm hyperkeratotic lesion at the plantar aspect of the foot at the fifth metatarsal head. Initial debridement revealed atypical hyperpigmentation and increased vascularity. Given these findings, a biopsy was taken. After the diagnosis of SCC, the patient underwent a wide excision of the malignant lesion. The resulting defect was large, and underwent staged closure. The wound bed was initially closed using a unique combination of rotational skin flap, and partially covered with a temporary skin substitute, and a split-thickness skin autograft was used for definitive closure.						
Results	Following surgical resection and skin grafting, the patient went on to heal his previous lesion site without complication. The patient noted improved pain levels, and after several months his pain had resolved. Most importantly, there was no recurrence of his vertuca carcinoma.						
Discussions	This case highlights the importance of timely diagnosis and management of SCC. Management of large soft tissue defects can be achieved using complex plastic surgery techniques, including combinations of surgical debridement, rotational skin flap, and skin grafting.						
Format	Case Study						
Case Rpt Followup	12						
Student Club							
Classification	Soft Tissue/Tumor						
Level of Evidence	Level V						
Authors/Financial Di	isclosures						
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):		
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Submission ID	05-01376				Ref ID CS-1376			
Title	Bilateral An Unde	Bilateral Talectomy As A Primary Treatment For Severe Rigid Talipes Equinovarus In An Underserved Area: A Case Study						
Submit Date	10/15/2024							
Correspondent	Last Name:	Poulin						
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	Practice/Con	npany/Residency	Program:	The Universit Podiatric Me	ty of Texas Rio Grande Valley School of dicine			
Authors	Author 1:	Erin E. Poulir	n, MS	Author 2:	Katherine E. Castillo, MS			
	Author 3:	Serena E. Ma	rkose	Author 4:	Dustin B. Prins, DPM, MBA, FACFAS, CWSP			
	Author 5:			Author 6:				
	Author 7:			Author 8:				
Purpose	Talectomy is intervention i to follow-up	Talectomy is a recommended treatment for severe rigid talipes equinovarus foot deformity, or clubfoot. This surgical intervention is also recommended for neglected cases of clubfoot and in medically underserved areas, due to limited access to follow-up care.						
Methodology								
Procedures	This study re worldwide, e a bilateral tal	This study reports on a 24-month-old boy from Guam with bilateral rigid talipes equinovarus. Treatment approaches vary worldwide, especially in areas with limited healthcare access, where surgery is often advised. Because of these limitations, a bilateral talectomy was recommended.						
Results	Because Gua ongoing surg orthotics by t ambulate. No	Because Guam laws posed restrictions that prevented the podiatrist who initially assessed the patient from providing ongoing surgical care, the patient underwent a bilateral talectomy by a surgeon in Hawaii. The patient was placed in UCBL orthotics by the podiatrist at his follow up appointment four years later. At that time he was plantigrade and able to ambulate. No complications were noted.						
Discussions	Some limitati and providers these challen ambulate. Th barriers.	Some limitations of this case to consider include significant lack of follow-up and inconsistent access to medical services and providers in medically underserved areas. These difficulties not only affect the patient but also the provider. Despite these challenges, we consider the patient a success, as his clubfoot was repaired through the talectomy and enabled him to ambulate. This outcome highlights the potential for effective surgical interventions, like talectomy, in the face of significant barriers.						
Format	Case Study							
Case Rpt Followup	48							
Student Club								
Classification	Rearfoot and	Rearfoot and Ankle Reconstruction						
Level of Evidence	Level IV							
Authors/Financial D	isclosures							
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):			
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Submission ID	05-01378			Ref ID CS-1378						
Title	Case Series of Pa Charcot Neuroar	Case Series of Patients that Underwent Tibiocalcaneal Arthrodesis for Treatment of Charcot Neuroarthropathy Deformities								
Submit Date	10/15/2024									
Correspondent	Last Name: Loveland Full Name: Jeffrey D Practice/Company/Resid	l . Loveland DPM, FACFAS ency Program:	Email: lo Central Tennesse	velanddpm@yahoo.com e Foot and Ankle Center						
Authors	Author 1: Jeffrey D Author 3: Author 5: Author 7:	Author 1: Jeffrey D. Loveland DPM, FACFAS Author 2: Brandon Denton MBA, ABSA Author 3: Author 4: Author 5: Author 6: Author 7: Author 8:								
Purpose	Charcot reconstruction is reconstruction when ther essential when rebuilding provide a pain-free, func a higher failure rate in th	Charcot reconstruction is one of the most complex surgeries in the foot and ankle world. It can become a more difficult reconstruction when there is a subluxation and/or destruction of the talus. Having a solid hindfoot/ankle structure is essential when rebuilding and balancing the foot and ankle. Tibiocalcaneal arthrodesis is a salvage procedure with a goal to provide a pain-free, functionally stable, and realigned fused joint. The literature has reported tibiocalcaneal fusions to have a biober failure rate in this population.								
Methodology										
Procedures	Thirty patients underwer external fixation as part of Once the external fixator	t tibiocalcaneal fusion with a tal of a Charcot salvage procedure a was removed the patients were	ectomy and the use of re included in this stud weightbearing in a CR	intramedullary fusion nail along with y. CT scans were obtained to assess fusion. OW Boot.						
Results	Twenty-Seven (90%) Ch and were walking in extr (3.3%).	Twenty-Seven (90%) Charcot tibiocalcaneal arthrodesis salvage cases had achieved boney union at 13 weeks on average and were walking in extra depth shoes at the 24-month follow-up visit. There were 2 revisions (6.7%) and 1 amputation (3.3%).								
Discussions	Charcot neuropathic reco tibiocalcaneal arthrodesi literature healing rates ar Tibiocalcaneal arthrodes	Charcot neuropathic reconstructions are complex procedures associated with higher complication rates. When doing tibiocalcaneal arthrodesis in this population the complication rates have been higher. The authors disagree with the literature healing rates and have shown successful fusions in this difficult patient population with only one limb loss. This calcaneal arthrodesis should be considered when there is subluxation or destruction of the tabus in this population.								
Format	Case Study									
Case Rpt Followup	24									
Student Club Classification	Rearfoot and Ankle Reco	onstruction								
Level of Evidence	Level IV									
Authors/Financial D	visclosures									
Full Name:	Email:	Disclosure(s) selected:		Disclosed Organisation(s):						
		Consultant/Advisor/Speak	er (List all affiliations)	Stryker, Vilex						
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		Grant/Research funding		Stryker						
Brandon Denton MBA, ABSA	brandondenton15@gmail.c	om I/We have nothing to discl	ose							

Submission ID	05-01379				Ref ID CS-1379					
Title	A Rare Ca Traumaite	A Rare Case of Hemosiderotic Synovial Inflammation Formation Following Repetitive Traumaitc ankle injury								
Submit Date	10/15/2024									
Correspondent	Last Name:	Garvin								
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	Practice/Comj	oany/Residenc	y Program:	Bryn Mawr H	ospital					
Authors	Author 1:	Justin Garvii	n DPM	Author 2:	Weiyuan Tian DPM					
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	Author 5:			Author 6:						
	Author 7:			Author 8:						
Purpose	Hemosiderotic However, non identification guidelines exi nonhemophili	e synovial infla hemophilic he and manageme st for managin e cases.	ammation is frequently observe mosiderotic synovial arthritis is ent of hemarthrosis are crucial t g hemosiderotic synovial arthri	d in patients with rare, making it o minimize the r tis in hemophilia	n blood clotting disorders like hemophilia. challenging to diagnose. The prompt isk of early-onset osteoarthritis. While c patients, they do not directly apply to					
Methodology										
Procedures	A 23-year-old revealed a larg Attending surg compressible, This is excised	female presen ge joint effusio geon elected an oval-shaped n d and sent for j	tts with history of right ankle im on present, large joint body note n anterior ankle approach. After nass is noted encapsulated throu pathology	npingement pain d in the anterior anatomically di ugh adipose tissu	secondary to active sports playing. MRI part of the ankle joint measuring 14 mm. ssection, an approximately 3.5 cm x 3 cm e with a peduncle at the anterior ankle joint.					
Results	Pathology rep fibropurulent	ort reads granu debris, chronic	ulation tissue with ulceration, he cally inflamed synovium, and be	emosiderin depo enign fibroadipo	sition, focal infarction, and hemorrhage, se tissue.					
Discussions	Repetitive her osteoarthritis. irreversible. T arthritis. If lef	Repetitive hemarthrosis can lead to the rare occurrence of hemosiderotic synovial inflammation and early-onset osteoarthritis. It remains unclear when the hemorrhagic joint initiates the degenerative process and at what point it becomes irreversible. The need for surgical intervention depends on the extent of joint damage, as is the case with any inflammatory arthritis. If left untreated, complete joint destruction may occur, necessitating fusion as the only viable surgical option.								
Format	Case Study									
Case Rpt Followup	18									
Student Club										
Classification	Trauma									
Level of Evidence	Level IV									
Authors/Financial Di	sclosures									
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):					
Justin Garvin DPM	garvinj@mlhs.o	rg	I/We have nothing to disclose							
Weiyuan Tian DPM	TianW@mlhs.or	rg	I/We have nothing to disclose							
Mark Capuzzi DPM AACFAS	CapuzzM@mlh	s.org	I/We have nothing to disclose							

Submission ID	05-01384					Ref ID CS-1384				
Title	The Use o Ruptures	The Use of Novel Synthetic Co-Polymer to Assist in the Repair of Achilles Tendon Ruptures								
Submit Date	10/15/2024									
Correspondent	Last Name: Full Name: Practice/Com	Loveland Jeffrey D. Lo pany/Residency	veland DPM, FACFAS / Program:	Email: Central Tenn	lovelanddpm@ essee Foot and A	Dyahoo.com nkle Center				
Authors	Author 1: Author 3: Author 5: Author 7:	Jeffrey D. Lo	veland DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Brandon Dent	on MBA, ABSA				
Purpose	Achilles tend quality of life may result in polycaprolact promising alt support cellui	on injuries, incl Traditional sur- complications sone and polyure ernative due to ar ingrowth, an	uding ruptures and tendinopath rgical techniques for Achilles to such as re-rupture, limited funct ethane-urea co-polymer, a synth its unique characteristics, inclu d accelerate the healing process	ies, are commo endon repair oft tional recovery, hetic biomateria ding biocompat s.	n and can signifi en involve the us and prolonged re al designed for so ibility, mechanic	cantly impair mobility and se of sutures or grafts, which ehabilitation. A oft tissue repair, offers a al strength, the ability to				
Methodology										
Procedures	This study ex examining its	This study explores the application of the co-polymer to assist with the repair of Achilles tendon ruptures in 10 patients, examining its effectiveness and safety in a case series.								
Results	The patients in about 7 we of 12 months	The patients were able to return to weightbearing status in a protective boot in 2 1/2 weeks and then returned to shoe gear in about 7 weeks. Patients were able to return to full activities with no restrictions on average at 12 weeks with a follow-up of 12 months. There were no infections, re-ruptures or graft rejection reported.								
Discussions	The use of sy material's por Furthermore, associated wi to return to as	nthetic co-polyn ous structure pr the biomechani th traditional re ctivities sooner	mer in Achilles tendon repair re omotes vascularization and col cal properties closely match the pair methods. It not only enhan than traditional repairs.	presents a sign lagen depositio ose of native ter ces healing and	ificant advancem n, which are criti ndon tissue, redu functional outco	ent in orthopedic surgery. The ical for tendon regeneration. cing the risk of complications omes and allowed the patients				
Format	Case Study									
Case Rpt Followup	12									
Student Club										
Classification	Soft Tissue/T	umor								
Level of Evidence	Level IV									
Authors/Financial Di	isclosures									
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):				
			Consultant/Advisor/Speaker	(List all affiliati	ons)	Stryker, Vilex				
Jeffrey D. Loveland DPM, FACFAS	lovelanddpm@yahoo.com		Serve in an official capacity (elected or appointed) for other medical or podiatric organization(s)		inted) for any	Treasurer Tennessee Podiatric Medical Association				
			Grant/Research funding			Stryker				
Brandon Denton MBA, ABSA	brandondenton	5@gmail.com	I/We have nothing to disclose							

Title Optimizing Unterstanding Subsection Subsection Submit Date 10/15/20/4 Internet Subsection Correspondent Last Name: Bernard, DPM Merry Health Regional Medical Center Proteice/Company Merry Health Regional Medical Center Merry Health Regional Medical Center Author S: Annebr P. Neils Bernard, DPM Author 3: Annebr Althores Author S: Gary Most, DPM Author 4: Author 4: Author 5: Author 5: Author 6: Author 7:	Submission ID	05-01388 Ref ID CS-138									
Submit Date 10152024 Correspondent Las Name: Bernard, DPM Email: neilbernard36@gmail.com Practice/Company/Residency Program: Mercy Health Regional Medical Center Author 1: Neilbernard, DPM Author 2: Anne Profeta, DPM Author 3: Gary Most, DPM Author 4: Anne Profeta, DPM Author 4: Author 5: Anne Profeta, DPM Author 4: Anne Profeta, DPM Author 5: Author 6: Author 6: Author 6: Author 7: Anne Profeta, DPM Author 7: Author 6: Author 6: Author 7: Author 6: Author 7: Author 7: Author 6: Author 7: Author 7: Author 7: Author 7: Author 7: Author 8: Author 8: Author 8: Author 7: Author	Title	Optimizin vs Resectio	Optimizing Outcomes in Pediatric Tarsal Coalitions: A Focus on Primary Arthrodesis vs Resection								
Correspondent Las Name: Bernard, DPM Email: neilbernard36@gmail.com Practice/Company/Residency Program: Mercy Health Regional Medical Center Author S: Author 1: Neilbernard, DPM Author 2: Anne Profeta, DPM Author S: Gary Most, DPM Author 4: Author 5: Author 6: Author S: Author 7: Author 6: Author 7: Author 7: Author S: Author 7: Author 7: Author 7: Purpose In the amish population, pediatric tarsal coalitions are a common bissue. Current literature supports coalition resection with grafi interposition, we argue primary STJ arknodesis in skeletally mature pediatric patients produces excellent results with less likely subsequent surgery. Purpose Access series of 45 pediatric patients treated by a single surgers. To any activition for talocalcaneal middle facet coalition pattern. 30 patients were treated with primary subtalar joint arknodes with two server fixation and 15 treated with resections. Results Despite current literature advocating against primary arthrodes. For aliticans, we report excellent results, no secondary surgery required to date, faster return to activity. Single faster returne cativity. Discussions Despite current literature advocating against primary arthrodes. Arthore primary arthrodesis in the pediatric patient should be considered. J	Submit Date	10/15/2024									
Full Name: Neil Bernard, DPM Email: neilbernard36@gmail.com Practice/Compary/Residency Program: Mercy Health Regional Medical Center Author 1: Neil Bernard, DPM Author 2: Anne Profeta, DPM Author 3: Gary Most, DPM Author 7: Author 7: Author 7: Author 7: Author 7: Author 7: Purpose In the amish population, pediatric tarsal coalitions are a common issue. Current literature supports coalition resection with graft interposition, we argue primary STJ arthrodesis in sket/we repetiatric patients produces excellent results with essibility subsequent surgery. Purpose Anter 5: Author 7: Author 7: Procedures A case series of 45 pediatric patients treated by a single surgery. at a single institution for talocaleanel middle facet coalition with 12 month follow up. All pediatric patients arise from the amish community. Tarsal coalitions confirmed on Cr, all showing a similar talocalating against primary arthrodesis with the serie of 45 pediatric patients were treated with primary subtalar joint arthrodesis with two server fixed with resection. Results Despite current literature advocating against primary arthrodesis in specific patients serie for the advite actionand the facet coalition section. Nersussions Tarsal coalition is defined as abnormal fusion of two bones. Tresolitions, we report excellent results, no secondary surgery required to date, faster return to activi	Correspondent	Last Name:	Bernard								
Practice/Comput/Residency Program: Mercy Health Regional Medical Center Author S: Nalbon Z: Author Z: Anne Profeda, DPM Author S: Gary Most, DPM Author G: Author G: Author S: Author S: Author G: Author G: Author T: Nathor S: Author G: Author G: Purpose In the amish population, pediatric tarsal coalitions are a community. Turature as in law interposition, we argue primary STJ arthrodesis in skut: Werner Hierature as profess coalition resection with care and information with 2 month follow up, All pediatric patients or starks community. Tarsal coalitions confirmed on Cr, all showing a similar tildeclacenal middle facet coalition patters. Store treated with primary subtale joint arthrodesis with two screw fixation and 15 treated with reserves for the calitions, we report excellent results, on secondary surgery: required to date, faster return to activity at 1 more sistion or store of serves. Poiscussions Carsal-current literature advocating against primary arthro-desition is very required secondary procedures. Format Carsal-current literature advocating against primary arthro-desition surgery for the desitien at the patient patients. Surgery for the desitien at the patient patient secondary or procedures arthrodesis in the patient patient secondary or patients. Limited literature exists arthrodesis in the patient patient should be considered at patient patient secondary or patients. Limited literature exists arthrodesis in the patient patient should be considered at trepspective review on desite pati		Full Name:	Neil Bernard	l, DPM	Email:	neilbernard36@gmail.com					
AuthorsAuthor 1:Neil Bernard, DPMAuthor 2:Anne Profeta, DPMAuthor 3:Gary Most, DPMAuthor 4:Author 5:Author 6:Author 7:Author 8:PurposeIn the anish population, pediatric tarsal coalitions are a common issue. Current literature supports coalition resection with regrift interposition, we argue primary STJ arthrodesis in sk-letally mature pediatric patients produces excellent results with 12 month follow up. All pediatric patients arise from the amish community. Tarsal coalitions onfirmed on CT, all showing a similar talcalcancent middle facet coalitions pattern. 30 patients were treated with primary subtalar joint arthrodesis with two serew fixation and 15 treated with resection.ResultsDespice current literature advocating against primary arthrodesis for TC coalitions, we report excellent results, no secondary surgery required to date, faster return to activity. Hiterposition in young patients. Linited literature suggests primary resection of coalitions with f12 montholos.DiscussionsCarsa coalition is defined as abnormal fusion of two bones, for the tresoletion in young patients. Linited literature suggests primary resection of coalitions. With f12 montholos in young patients. Linited literature exists suggesting 517 hision as primary trestment. Gantsouder et al µublished ar errospective review on 49 feet treated with excision and f13 graft interposition for symptomatic TC coalitions. 43% of patients required vide excision and f13 graft interposition for symptomatic TC coalitions. 43% of patients required with excision and f13 graft interposition for symptomatic TC coalitions. 43% of patients required significant patient were sevented with ex		Practice/Comp	any/Residenc	y Program:	Mercy Health	Regional Medical Center					
Author 3:Gary Most, DPMAuthor 4: Author 6: Author 7:Author 5:Author 7:Author 6: Author 7:PurposeIn the anish population, pediatric tarsal coalitions are a common issue. Current literature supports coalition resection with 	Authors	Author 1:	Neil Bernard	I, DPM	Author 2:	Anne Profeta, DPM					
Author 5: Author 7: Author 8: Purpose In the amish population, pediatric tarsal coalitions are a common issue. Current literature supports coalition resection with less likely subsequent surgery. Methodology In the amish population, pediatric patients treated by a single surgery. Procedures A case series of 45 pediatric patients treated by a single surgery. Results A case series of 45 pediatric patients treated by a single surgery. Results Despite current literature advocating against primary arthrodesis for TC coalitions, we report excellent results, no secondary surgery required to date, faster return to activity, minimal complications, on reported physical limitation, with an average follow up time of 5 years. Discussions Current literature advocating against primary resection of coalitions, surgery required to date, faster return to activity, minimal complications, no reported physical limitation, with an average follow up time of 5 years. Format Case Study Case Study Current literature advocating against primary resection of coalitions, surgery required to date, faster return to activity at 1 year. Format Case Study Current literature suggests primary resection of coalitions, surgery required to date, faster return to activity at 1 year. Clase Study Current literature suggests primary resection of coalitions. surgery required secondary procedures. Primary arthrodesis in the patient should be considered. Our patients required secondary procedures. Prim		Author 3:	Gary Most, I	DPM	Author 4:						
Author 7:Author 8:PurposeIn the anish population, pediatric tarsal coalitions are a common issue. Current literature supports coalition resection with graft interposition, we argue primary STJ arthrodesis in skeletally mature pediatric patients produces excellent results with less likely subsequent surgery.MethodologyProceduresAc case series of 45 pediatric patients treated by a single surgion at a single institution for talocalcaneal middle facet coalition with 12 month follow up. All pediatric patients arise from the amish community. Tarsal coalitions confirmed on CT, all showing a similar talocalcaneal middle facet coalition pattern. 30 patients were treated with primary sublalar joint arthrodesis with two serew fixation and 15 treated with resection.ResultsDespite current literature advocating against primary arthrodesis for TC coalitions, we report excellent results, no acconage follow up time of 5 years.DiscussionsTarsal coalition is defined as abormafi fusion of two bones, for which TC coalitions, or reported physical limitation, with an average follow up time of 5 years.FormatCase StudyCase StudyItarature suggests primary resection of coalitions with fat interposition in young patients. Limited literature exists yostoperative and no limitation in activity at 1 year.FormatCase StudyCase StudyItarature autore autor		Author 5:			Author 6:						
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MethodologyProceduresA case series of 45 pediatric patients treated by a single surgeon at a single institution for talocalcaneal middle facet coalition with 12 month follow up. All pediatric patients arise from the amish community. Tarsal coalitions confirmed on CT, all showing a similar talocalcaneal middle facet coalition pattern. 30 patients were treated with primary subtalar joinResultsDespite current literature advocating against primary arthrodesis for TC coalitions, we report excellent results, no secondary surgery required to date, faster return to activity, minimal complications, no reported physical limitation, with an average follow up time of 5 years.DiscussionsTarsal coalition is defined as abnormal fusion of two bones, for which TC coalitions commonly lead to rigid flatfoot. Current literature suggests primary resection of coalitions. 43% of patients required secondary procedures. Primary arthrodesis in the pediatric patient should be considered. OUr patients required secondary procedures. Primary arthrodesis in the pediatric patient should be considered. OUr patients required secondary procedures. Primary arthrodesis in the pediatric patient should be considered. OUr patients reported significant pain improvement 4 weeks so prostoperative and no limitation in activity at 1 year.FormatCase StudyCase StudyRearfoot and Ankle ReconstructionLevel of EvidenceLevel IVAuthors/Financial Dissures/Financial Dissures/Financia	Purpose	In the amish po graft interposit less likely subs	opulation, ped tion, we argue sequent surger	liatric tarsal coalitions are a comp primary STJ arthrodesis in skele ry.	mon issue. Curr etally mature pe	ent literature supports coalition resection with diatric patients produces excellent results with					
ProceduresA case series of 45 pediatric patients treated by a single surgeon at a single institution for talocalcaneal middle facet coalition with 12 month follow up. All pediatric patients arise from the amish community. Tarsal coalitions confirmed on CT, all showing a similar talocalcaneal middle facet coalition pattern. 30 patients were treated with primary subtalar joint arthrodesis with two screw fixation and 15 treated with resection.ResultsDespite current literature advocating against primary arthrodesis for TC coalitions, we report excellent results, no secondary surgery required to date, faster return to activity, minimal complications, no reported physical limitation, with an average follow up time of 5 years.DiscussionsTarsal coalition is defined as abnormal fusion of two bones, for which TC coalitions commonly lead to rigid flatfoot. Current literature suggests primary resection of coalitions with fat interposition in young patients. Limited literature exists suggesting STJ fusion as primary treatment. Gantsoudes et al published a retrospective review on 49 feet treated with excision and fat graft interposition for symptomatic TC coalitions. 43% of patients required secondary procedures. Primary coales postoperative and no limitation in activity at 1 year.FormatCase StudyCase StudyCases fuelClassificationRearfoot and Ankle ReconstructionLevel of EvidenceLevel IVAuthors/Financial Dis-	Methodology										
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FormatCase StudyCase Rpt Followup12Student ClubClassificationRearfoot and Ankle ReconstructionLevel of EvidenceLevel IVAuthors/Financial Discusses	Discussions	Tarsal coalition Current literatu suggesting ST. excision and fa arthrodesis in t postoperative a	n is defined as ure suggests p J fusion as pri at graft interpo the pediatric p and no limitati	s abnormal fusion of two bones, i rimary resection of coalitions wi mary treatment. Gantsoudes et a solition for symptomatic TC coali atient should be considered. OU ion in activity at 1 year.	for which TC co th fat interposit l published a ret tions. 43% of p r patients report	valitions commonly lead to rigid flatfoot. ion in young patients. Limited literature exists trospective review on 49 feet treated with atients required secondary procedures. Primary ted significant pain improvement 4 weeks					
Case Rpt Followup 12 Student Club Classification Rearfoot and Ankle Reconstruction Level of Evidence Level IV Authors/Financial Disclosures	Format	Case Study									
Student Club Rearfoot and Ankle Reconstruction Classification Rearfoot and Ankle Reconstruction Level of Evidence Level IV Authors/Financial Disclosures	Case Rpt Followup	12									
Classification Rearfoot and Ankle Reconstruction Level of Evidence Level IV Authors/Financial Disclosures	Student Club										
Level of Evidence Level IV Authors/Financial Disclosures	Classification	Rearfoot and A	Ankle Reconst	ruction							
Authors/Financial Disclosures	Level of Evidence	Level IV									
	Authors/Financial Di	sclosures									
Full Name: Email: Disclosure(s) selected: Disclosed Organisation(s):	Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):					
Neil Bernard, DPM neilbernard36@gmail.com I/We have nothing to disclose	Neil Bernard, DPM	neilbernard36@g	gmail.com	I/We have nothing to disclose							
Anne Profeta, DPM aprofeta@kent.edu I/We have nothing to disclose	Anne Profeta, DPM	aprofeta@kent.e	du	I/We have nothing to disclose							
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Submission ID	05-01390					Ref ID CS-1390
Title	Angioleiom	yoma of th	e ankle: a case re	port		
Submit Date	10/15/2024					
Correspondent	Last Name: I Full Name: C Practice/Compan	Ley Gabriella, A, Le ny/Residency Pr	y, DPM rogram:	Email: Sutter Health	Gabby.Ley94@ - Palo Alto Medio	gmail.com cal Foundation
Authors	Author 1:OAuthor 3:NAuthor 5:Author 7:	Gabriella A. Ley Nicholas Todd, I	/, DPM, AACFAS DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Brennan K. Rea Meagan M. Jen	ardon, DPM, AACFAS nings, DPM, FACFAS
Purpose	Angioleiomyom benign soft tissu rarely accurately	a is a rare benig e neoplasms an diagnosed prec	n tumor which arises fro d 0.2% of all foot and ar operatively. We report or	om smooth muscle. ' hkle tumors. Often th n a case of angioleio	They account for ney present as a so myoma in the and	approximately 4.4% of all ubcutaneous mass, and are kle.
Methodology						
Procedures	A 60 year old ma This area wound transilluminatior consistency. Patt After his skin in year. Angioleion of cases which a There have been excision.	ale who present be painful due a Patient opted ology results re- cision had heale ayomas are gen- ppear in the low reported cases	ed to clinic with compla to rubbing on shoes. On to have the mass surgice evealed the mass to be a d, patient was able to re erally under 2 cm in diar wer extremity, only 15.7% of malignant transforma	int of a "cyst" on his physical exam, the al excised. Intraopen n angioleiomyoma n sume normal activit meter and can be ass % appear in the ankl tion with angioleion	s ankle which had lesion was mobil atively the mass v neasuring approx ies without reocci ociated with pain e. Most cases app nyoma. Reoccurre	l been present for months. e and had positive was noted to have a hard imately 1.0 cm in diameter. urrence of symptoms after 1 in 60% of cases. Of the 67% ear in middle-aged women. ence is rare after surgical
Results	1 year status pos	t surgical excisi	ion, the patient was pain	-free without reoccu	rrence of sympto	ms.
Discussions	Angioleiomyom the differential d	as are rare beni iagnosis for sof	gn tumors in the foot and t tissue masses, and they	d ankle that can easi y often do well with	ly be misdiagnose surgical excision	ed. It is important to keep it on
Format	Case Study					
Case Rpt Followup Student Club	12					
Classification	Soft Tissue/Tum	or				
Level of Evidence	Level V					
Authors/Financial D	visclosures					
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):
Gabriella A. Ley, DPM, AACFAS	gabby.ley94@gmail	.com	I/We have nothing to d	isclose		
Brennan K. Reardon, DPM, AACFAS	brennan.reardon@g	mail.com	I/We have nothing to d	isclose		
Nicholas Todd, DPM, FACFAS	nicholas.todd@sutte	erhealth.org	Consultant/Advisor/Sp	eaker (List all affilia	ations)	Arthrex consultant
Meagan M. Jennings, DPM, FACFAS	meagan.jennings@s	utterhealth.org	Consultant/Advisor/Sp	eaker (List all affilia	ations)	Stryker consultant

Submission ID	05-01391				Ref ID CS-1391					
Title	Rare Pre	Rare Presentation of Giant Cell Tumor Originating from Two Tendons								
Submit Date	10/15/2024									
Correspondent	Last Name: Full Name: Practice/Com	Brikho Marcell, Dl pany/Residen	PM cy Program:	Email: Henry Ford V	mbrikho1@hfhs.org Wyandotte					
Authors	Author 1: Author 3: Author 5: Author 7:	Marcell R. Michael J.	Brikho, DPM Stamey, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Mikayla A. Green, DPM					
Purpose	Giant cell tur the foot and a documentation the peroneus	nor of the tend inkle. GCTTS on of GCTTS brevis and per	lon sheaths (GCTTS) are ber account for approximately 1 originating from multiple ten roneus tertius.	nign solitary masses .6% of all soft tissu idons. We present a	s typically found in the flexor compartment of te tumors. Literature review sites no rare presentation of the tumor originating from					
Methodology										
Procedures	The case pres painful. Patie An MRI was enhancement tenosynovial	sented is of a 3 nt's medical h performed, re , measuring aj giant cell tum	6-year-old male who presen istory showed no prior traun vealing a round, heterogenec proximately 4.4 cm (AP) x 2 or.	ted with a slowly g na to the area. Radio ous mass on the dor 2.7 cm (TR) x 3.8 c	rowing mass of the left foot which had become ographic report showed no osseous involvement. sal-lateral aspect of the foot, with diffuse m (CC). The MRI report favored a diagnosis of					
Results	The patient u tendon and p tenosynovial	nderwent surg eroneus tertius giant cell tum	cical excision of the soft tissues with extension into the extension or.	e mass which was i ensor digitorum brev	noted to be originating from peroneus brevis vis. Pathology results confirmed the diagnosis of					
Discussions	GCTTS invo sarcomas and diagnosis and in the differen	lving multiple l ganglion cys l appropriate r ntial diagnosis	tendons are rarely reported i ts. Awareness of this tumor's nanagement, ultimately impr of soft tissue masses in the	in literature. GCTTS clinical, imaging, a roving patient outco foot and ankle, desp	S can mimic other lesions like lipomas, synovial and histological features can facilitate prompt mes. Therefore, GCTTS should be considered bite their rarity.					
Format	Case Study									
Case Rpt Followup	12									
Student Club										
Classification	Soft Tissue/T	umor								
Level of Evidence	Level IV									
Authors/Financial D	isclosures									
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):					
Marcell R. Brikho, DPM	mbrikho1@hfh	s.org	I/We have nothing to disc	lose						
Mikayla A. Green, DPM	mgreen21@hfh	s.org	I/We have nothing to disc	lose						
Michael J. Stamey, DPM,	mstamey1@hfl	is.org	I/We have nothing to disc	lose						

FACFAS

Submission ID	05-01394 Ref ID CS-					Ref ID CS-1394			
Title	Intact fish ski in foot and an	Intact fish skin graft as an adjunct treatment to the reconstruction of tendon injuries in foot and ankle surgery: Case Series Report							
Submit Date	10/15/2024								
Correspondent	Last Name: Pate Full Name: Rik Practice/Company/I	el esh A. Pate Residency	el DPM AACFAS Program:	Email: Northern Illir	rikeshpatel93@ nois Foot and Anl)gmail.com cle Specialists			
Authors	Author 1:PatrAuthor 3:JustAuthor 5:PeteAuthor 7:	rick Mcene in Bichler er Lovato I	aney DPM, FACFAS DPM DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Rimvydas Stat Rikesh A. Pate	kus DPM, FACFAS I DPM, AACFAS			
Purpose	Ligament and tendon injuries and tears are common in foot and ankle surgery. Multiple types of grafts on the market such as collagen substitute, extracellular matrix, cryopreserved umbilical grafts have been used to augment the tendon repair. This case review review shows how Intact fish skin graft is a great alternative biologic augmentation of these soft tissue injuries.								
Methodology									
Procedures	5 patients with tend 1 year postoperative	lon or ligar e MRIs we	ment tears or injuries were tro	eated and augmen injuries and any	nted with intact fi complications.	sh skin graft. Preoperative and			
Results	The use of intact fis	sh skin gra	ft in 5 patients for surgical tr	eatment of tendo	n and ligament in	juries or tears.			
Discussions	1 year follow up aft improvement in fun evidence that these	ter augmen actionality grafts allo	tation of ligament and tendo and mobility of the soft tissu w for accelerated healing and	n repairs shows i e repairs. Fish sk l works as an exc	ntact fish skin gra in graft in this pr cellent scaffold fo	afts show significant eliminary study shows early r soft tissue repair.			
Format	Case Study								
Case Rpt Followup	12								
Student Club									
Classification	Soft Tissue/Tumor								
Level of Evidence	Level IV								
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Submission ID	05-01395				Ref ID CS-1395					
Title	Utilizatio Planovalą	Utilization of the Youngs Tenosuspension as an Adjunctive Procedure for Flexible Pes Planovalgus Deformity: A Case Report								
Submit Date	10/15/2024	10/15/2024								
Correspondent	Last Name:	Roby								
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	Practice/Con	npany/Residency F	Program:	Ohio Health	, Grant Foot And Ankle Residency					
Authors	Author 1:	Meghan C. Rob	y, DPM	Author 2:	Joseph R. Brown, DPM					
	Author 3:	Timothy R. Ho	lmes, DPM, FACFAS	Author 4:	Sara J. Judickas, DPM					
	Author 5:	Alexa T. Bykov	vski, DPM	Author 6:	Nevin C. Joseph, DPM					
	Author 7:			Author 8:						
Purpose	Lateral colun typically ach supination th Tenosuspens Tenosuspens surgical techn	nn lengthening is r ieved through an E at often persists af ion procedure can ion as an adjunctiv nique, and its adva	ecognized as the most eff Evans osteotomy. Howeve the performing the Evans be used. This case report re procedure for treating fl intages supported in current	ective surgical int r, this procedure a osteotomy alone. aims to show the exible flatfoot de nt literature.	ervention for flexible pes planovalgus deformity, lone does not address the residual forefoot To correct forefoot supination, the Youngs positive outcomes of using the Young formity. Additionally, we will discuss the					
Methodology										
Procedures	A 23-year-old treatment opt opted for sur- osteotomy, K included on f	d male presented v tions, including ac gical intervention tidner, Spring ligar final poster present	vith bilateral painful flexit tivity modifications, physi due to persistent pain. The nent repair, and Young's T tation.	ble pes planovalgu cal therapy, shoe- surgical procedu Penosuspension. I	is deformity. After exhausting conservative wear modifications, and the use of an AFO, he res performed included an open Strayer, Evans ntra-operative images were obtained that can be					
Results	The patient h undergoing th	The patient has fully healed from his incisions with his arch height restored to his right foot. He is now interested in undergoing the same procedures on his left foot.								
Discussions	Foot and ank deformity, if adjunct proce	le surgeons must b conservative meas edures are exceller	be knowledgeable about the sures fail. The Evans Oste at alternatives that have pr	e potential treatm otomy combined oven satisfactory	ent options for flexible pes planovalgus with the Youngs Tenosuspension, and other outcomes in appropriately selected patients.					
Format	Case Study									
Case Rpt Followup	12									
Student Club										
Classification	Rearfoot and	Ankle Reconstruc	tion							
Level of Evidence	Level IV									
Authors/Financial D	Disclosures									
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Submission ID	05-01397				Ref ID CS-1397					
Title	Percutaneo Study	Percutaneous Pinning as a Superior Alternative to ORIF in Lisfranc Fractures: A Case Study								
Submit Date	10/15/2024									
Correspondent	Last Name:	Nguyen								
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	Practice/Compa	any/Residenc	y Program:	Plainview Hos	spital					
Authors	Author 1:	Dung Nguye	en, DPM	Author 2:	Michael Livingston, DPM, FACFAS					
	Author 3:			Author 4:						
	Author 5:			Author 6:						
	Author 7:			Author 8:						
Purpose	This case study Lisfranc injurie less post-operat	examines the s. The goal is tive pain, part	e use of percutaneous pinning as s to assess whether percutaneous ticularly in elderly patients.	a minimally in pinning offers	vasive alternative to traditional ORIF for faster recovery, reduced complications, and					
Methodology										
Procedures	Lisfranc fractur complication ra with fewer risk fracture underw placement, min This case suppo	res are often t ates, especiall s, offering fas vent percutano imizing surgi orts percutano	reated with ORIF, but studies sh y in elderly patients. Recent liter ster recovery and less soft tissue eous pinning due to her age and ical impact. The patient had mini eous pinning as a superior alterna	ow this can resu rature highlights trauma. In this comorbidities. I imal pain and ar ative to ORIF in	It in prolonged recovery and higher percutaneous pinning as a less invasive option case, a 65-year-old female with a Lisfranc "luoroscopic guidance allowed precise K-wire expedited recovery, with no complications. a selected cases.					
Results	The patient ach minimal pain p without assistan to faster recove	ieved excelle ost-operative nce. Radiogra ry and reduce	ent outcomes following percutand ly and was fully weight-bearing uphs showed proper alignment w ed soft tissue trauma.	eous K-wire pin by six weeks. B ith no complica	ning for her Lisfranc fracture. She experienced y three months, she ambulated normally tions, demonstrating that K-wire pinning leads					
Discussions	Percutaneous K elderly patients superior option	-wire pinning This technic for selected	g for Lisfranc injuries offers sigr que results in less pain, quicker r cases.	nificant advantage ecovery, and fee	ges over traditional ORIF, particularly in wer complications, supporting its use as a					
Format	Case Study									
Case Rpt Followup	12									
Student Club										
Classification	Trauma									
Level of Evidence	Level III									
Authors/Financial Di	isclosures									
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Submission ID	05-01398				Ref ID CS-1398						
Title	Arthrosco of Predisl Study	Arthroscopic Debridement and Radiofrequency Induced Augmentation for Treatment of Predislocation Syndrome and Plantar Plate Dysfunction Technique Guide and Case Study									
Submit Date	10/15/2024										
Correspondent	Last Name:	Fairman									
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	Author 5:			Author 6:							
	Author 7:			Author 8:							
Purpose	There are nur invasive and debridement	nerous treatmen have varying ou and radiofrequer	t options for surgical mat tecomes. The goal of this ney inducted plantar plate	nagement of plantar poster is to provide a e repair.	plate dysfunction and insufficiency, most are technique guide and case study for arthroscopic						
Methodology											
Procedures	For this case debridement instability an used for debr operatively, t improved fun 2016, Reeves metatarsopha CL, Shane Al	study the patient of the second me d pain. Intra-ope idement and rep he patient was al actional outcome a described and d langeal joints, an M, Payne T, Cav	was followed post-oper tatarsophalangeal joint. ratively, a 1.9 mm scope air. Prior to skin closure, ble to return to normal sh s. The patient had the co etailed arthroscopic man d concluded that the pro- ins Z. Small Joint Arthro	atively after undergo Pre-operatively the p , a 2.0 mm shaver, an allograft stem cells v iooegear. The patient v ntralateral limb oper- agement of the lesse ccedure has favorable sscopy in the Foot. C	ing arthroscopic plantar plate repair and tatient had second metatarsophalangeal joint d 2.0 mm radiofrequency ablator wand was were injected. Approximately six weeks post- was able to return to full activity and had ated on later that year with similar outcomes. In r joints in the foot, including the lesser o cutcomes with minimal complications. Reeves lin Podiatry Med Surg. 2016 Oct;33(4):565-80.						
Results	Based on this more invasiv	case study, arth e options.	roscopic debridement an	d radiofrequency ind	luced augmentation can be beneficial prior to						
Discussions	This case sture repair is brief	dy shows that art ily discussed in t	throscopic repair can hav he literature. Future rese	e improved function arch can include a re	al outcomes post-operatively. Arthroscopic trsospective study with larger sample size.						
Format	Case Study										
Case Rpt Followup	56										
Student Club											
Classification	Arthroscopy										
Level of Evidence	Level IV										
Authors/Financial D	isclosures										
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Submission ID	05-01399				Ref ID CS-1399
Title	Bilateral Low	ver Extre	mity Exertional Com	partment	Syndrome: A Rare Case Report
Submit Date	10/15/2024				
Correspondent	Last Name: Ro Full Name: Me Practice/Company/	by eghan, C, Ro /Residency F	by, DPM Program:	Email: Ohio Health,	meghan.roby@ohiohealth.com Grant Foot And Ankle Residency
Authors	Author 1:MeAuthor 3:SarAuthor 5:NeAuthor 7:	eghan C. Rob ra J. Judickas vin C. Josep!	oy, DPM s, DPM h, DPM	Author 2: Author 4: Author 6: Author 8:	Brian D. Steginsky, DO Alexa T. Bykowski, DPM
Purpose	Chronic exertional occurs bilaterally i paresthesia. Intram misdiagnosed betw insight into the ide	compartmer n 10% of pat uscular com /een 10-64% ntification, n	nt syndrome is a debilitating c tients who experience CECS. partment testing is one of the of cases with as high as a 22 nanagement, and treatment of	condition, partic Common symp most effective -month delay in Sbilateral CEC	cularly affecting young, active individuals. It ptoms include: pain, muscle cramping, and methods for diagnosing this condition. It can be n diagnosis. This case report offers valuable S.
Methodology					
Procedures	A 23-year-old male presentation, he we bilateral CECS, the anterior and lateral become a firefighte legs.	e presented v as undergoin e patient und compartmen er, it was dec	with bilateral anterior and late g physical evaluations in purs erwent exertional compartme nts in his lower extremities. In cided to proceed with bilateral	ral leg pain tha suit of becomin nt pressure test n order to comp l fasciotomies f	t had persisted for seven years. At the time of g a firefighter. Given the clinical suspicion of ing, which yielded positive results for both the plete the physical training requirements to for the anterior and lateral compartments of the
Results	The patient has suc	ccessfully he	aled their incisions, complete	d physical ther	apy, and has resumed running activities.
Discussions	Foot and ankle sur- case report emphas compartment press leg compartments.	geons must b sizes the infra sure testing, a	be well-versed in diagnosing (equency of bilateral compartr and surgical technique involve	CECS, due to t nent syndrome ed in performir	he condition often being misdiagnosed. This , discusses the procedure for conducting g fasciotomies for both the anterior and lateral
Format	Case Study				
Case Rpt Followup	12				
Student Club					
Classification	Soft Tissue/Tumor				
Level of Evidence	Level IV				
Authors/Financial D	isclosures				
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Submission ID	05-01400				Ref ID CS-1400					
Title	Total Talu Avascular	Total Talus Replacement for Lower Extremity Limb Salvage Due to Post Traumatic Avascular Necrosis: Case Report								
Submit Date	10/15/2024									
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Purpose	Avascular nec treatment and patient to redu	rosis of talus is management of ace pain, mainta	a serious complication after fr total talus replacement. This c in limb length, and regain limb	acture of the tal case study share o function.	us. There is a scarcity of literature regarding s how a total talus replacement allowed a					
Methodology										
Procedures	61-year-old fe and the talus p right ankle tot motion and re	61-year-old female suffered a right talus fracture while on vacation in Tennessee in 2021. She was treated conservatively, and the talus progressed to avascular necrosis. She failed numerous conservative treatment modalities. We performed a right ankle total talus replacement with navicular exostectomy (3/2/2023). The patient has been able to maintain range of motion and reduce pain to the right ankle at 14 months.								
Results	The patient re	turned to her no	rmal shoes and desired activity	y level at 14 mc	nths follow-up.					
Discussions	Treatment of t other types of have been rep area. She was restoration of life.	Treatment of talar avascular necrosis is challenging. Previous treatments included pantalar arthrodesis, Blair arthrodesis, or other types of hindfoot arthrodesis procedures, however adjacent joint arthritis, shortening of the limb, and delayed union have been reported. This patient had no significant intra-articular cartilage erosion nor arthritic changes in the pantalar area. She was determined to maintain range of motion. Thus we performed the total talus replacement, which offered her a restoration of ankle joint function, pain relief, and maintenance of limb length, which ultimately elevated her quality of life.								
Format	Case Study									
Case Rpt Followup	14									
Student Club										
Classification	Rearfoot and	Ankle Reconstru	action							
Level of Evidence	Level IV									
Authors/Financial Di	sclosures									
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Submission ID	05-01401				Ref ID CS-1401	
Title	Total Talu Replacem	s Implant N ent with Ava	o Longer Needed For ascular Necrosis: A C	r Two Stag ase Report	e Approach Total Ankle	
Submit Date	10/15/2024					
Correspondent	Last Name: Full Name: Practice/Comp	Roby Meghan, C, Ro pany/Residency F	by, DPM Program:	Email: Ohio Health,	meghan.roby@ohiohealth.com Grant Foot And Ankle Residency	
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Purpose	In today's liter total talus imp cases of talar talar AVN with	ature avascular n lant is considered AVN. This study h satisfactory pos	necrosis of the talus has been a d. However, there is little liter shows a unique case of a patie stoperative outcomes.	an indication fo ature on perfor ent who underv	or a total ankle replacement but only when a ming a TAR without a total talus implant in vent a two-stage approach TAR in a patient with	
Methodology						
Procedures	A 62-year-old female presented with an open right subtalar joint dislocation after a motor-vehicle accident. Initially, treated with an external fixator followed by a subtalar joint fusion that went on to a non-union. She underwent a subtalar joint revision arthrodesis but, developed talar AVN with post-traumatic arthritis of the ankle that was evident on CT. Her pain persisted despite conservative treatment. Therefore, she underwent a TAR, tendon-achilles lengthening, calcaneal bone graft harvest, hardware removal, and open reduction internal fixation of the medial malleolus.					
Results	After the final signs of talar s	After the final procedure, the patient is active and ambulating in normal shoe gear. Post-operatively, there have been no signs of talar subsidence despite the presence of AVN.				
Discussions	Providers shou showed positiv AVN. Therefo TAR.	Providers should consider performing a TAR without a total talus implant in patients with talar AVN. This unique case showed positive outcomes in a patient who had a hindfoot fusion followed by a standard TAR despite the presence of talar AVN. Therefore, this should be an alternative to consider for patients with talar AVN who are suitable candidates for a TAR.				
Format	Case Study					
Case Rpt Followup	12					
Student Club Classification Level of Evidence	Rearfoot and Ankle Reconstruction Level IV					
Authors/Financial Di	isclosures					
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Submission ID	05-01402	05-01402 Ref ID CS-140						
Title	Salvage of Lateral Pl	Salvage of Failed Hindfoot Nailing by Conversion to Tibiocalcaneal Fusion with Lateral Plating						
Submit Date	10/15/2024							
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Purpose	A useful techr There are nun invasiveness, popularity of r	A useful technique for treatment of severe arthrosis of the tibiotalar and subtalar joints is tibiotalocalcaneal arthrodesis. There are numerous techniques to complete a tibiotalocalcaneal fusion which may include variations in approach, invasiveness, and fixation. A common modus operandi with many advantages is a hindfoot intramedullary nail. Given the popularity of nailing, options for revision and salvage work are needed.						
Methodology								
Procedures	The present st removal of hir	The present study reviews patients who underwent lateral locked plating and salvage tibiocalcaneal arthrodesis after removal of hindfoot nails for tibiotalocalcaneal nonunion.						
Results	A total of 10 c pseudoarthros and infection months. Mear procedures an (7/10). All pat braces.	A total of 10 consecutive patients of 2 fellowship-trained foot and ankle surgeons were reviewed. Etiology of painful pseudoarthrosis with nailing included recurrent charcot neuroarthropathy (6), talar avascular necrosis (2), tibial fracture (1), and infection (1). Patients were a mean 13.5 months from index surgery and mean follow up after revision was 26.6 months. Mean age was 59.6 and mean body-mass index 26.7 (kg*m2). Three cases were staged 6-12 weeks after ancillary procedures and 7 were simultaneous. Union rate, as defined as >30% osseous bridging on computed tomography, was 70% (7/10). All patients (10/10) returned to ambulation with commercially available foot wear, 3 with gauntlet-type ankle						
Discussions	Salvage arthro and recurrent failed tibiotalo occupying imp	Salvage arthrodesis after failed hindfoot nailing is a difficult problem given the pathology at play, bone loss at fusion sites, and recurrent deformity. The present series is limited in scope but provides a launchpoint for further research on options for failed tibiotalocalcaneal fusion. Other options include large bone block allograft (femoral head) and 3D printed space- occupying implants (such as spherical cages). The complexity of such cases justifies continued investigation.						
Format	Case Study							
Case Rpt Followup	26							
Student Club								
Classification	Rearfoot and	Ankle Reconstru	action					
Level of Evidence	Level IV							
Authors/Financial Di	isclosures							
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Submission ID	05-01407				Ref ID CS-1407			
Title	Lateral A Report	nkle Stabi	lization in the Presence	of Commi	nuted Fibular Fracture: A Case			
Submit Date	10/15/2024							
Correspondent	Last Name: Full Name: Practice/Com	Fletcher Nathan Fletc pany/Residenc	cher, DPM y Program:	Email: Phoenixville I	fletcher.nathane@gmail.com Hospital - Tower Health			
Authors	Author 1: Author 3: Author 5: Author 7:	Stephen Soo Anthony Pop Ayushi Bisar	ndar, DPM poff, DPM ria, DPM	Author 2: Author 4: Author 6: Author 8:	Colin Flannery, DPM Nathan Fletcher, DPM			
Purpose	Repair of late This case den fixation of co	Repair of lateral ankle ligamentous injury has not been described in literature in the setting of comminuted fibular fracture. This case demonstrates use of soft tissue repair with non-absorbable suture in conjunction with standard plate and screw fixation of comminuted fibular fracture.						
Methodology								
Procedures	Our study for fracture. Sim was noted to calcaneofibul reapproximat were inserted Ankle tested	and no literature ilar studies focu be unstable inth ar ligament (Cl e ends of ATFL into the lateral with stress inve	e regarding techniques for lateral us on anatomic alignment of ankl raoperatively via positive anterio FL) and partial rupture of anterio Non-absorbable suture was thr calcaneus. The non-absorbable s rsion and noted to be stable post	ankle stabiliza e mortise but d r drawer and in r talofibular lig eaded through suture secured -procedure.	tion in the presence of comminuted fibular o not mention ligamentous repair. The ankle version stress tests, indicating rupture of ament (ATFL). Suture was used to a fibular plate, then two knotless suture anchors within the plate served as an artificial CFL.			
Results	Sutures rema at 3.5 months and ambulatin fixation.	Sutures remained in place until 5 weeks with necrotic wound complication. Wound was treated conservatively and resolved at 3.5 months. Patient transitioned to partial weight-bearing in boot at 2.5 months, weight-bearing with brace at 3.5 months, and ambulating without brace at 6 months. Patient was able to weight-bear at 1 year follow-up without pain or failure of fixation.						
Discussions	Our case high outcomes. Th	nlights a unique le patient regain	e fixation technique using a plate ned full ambulation, independent	and suture and exercise, and c	hors for a rare pathology, resulting in excellent laily function without pain or bracing.			
Format	Case Study							
Case Rpt Followup	13							
Student Club								
Classification	Rearfoot and	Ankle Reconst	ruction					
Level of Evidence	Level IV							
Authors/Financial D	isclosures							
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Submission ID	05-01413				Ref ID CS-1413			
Title	Periprostl	Periprosthetic Tibial Fractures: An Algorithm for Treatment						
Submit Date	10/15/2024							
Correspondent	Last Name: Full Name: Practice/Comj	Jain Akshay pany/Residenc	vy Program:	Email: Paley Orth	akshayjaindpm@gmail.com lopedic and Spine Institute			
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Purpose	Many complic hardware failt hindfoot intra readers in trea nonoperative	Many complications of intramedullary nailing have been described including malunion, nonunion, delayed union, hardware failure, wound healing issues, and deep infection. Few studies exist regarding peri-prosthetic fractures of hindfoot intramedullary nailing, and even fewer studies exist discussing a treatment approach. In an effort to further assist readers in treatment of these complex problems we present an algorithm we feel can help determine operative vs nonoperative.						
Methodology								
Procedures	This is a 72-ye unknown etio hindfoot nail assistive devic	This is a 72-year-old female with a hindfoot intramedullary tibial nail whom was found to have a peri-prosthetic fracture of unknown etiology. Thorough workup for this patient was performed and an algorithm was devised. The patient underwent hindfoot nail explanation and exchange with successful postoperative outcome. Currently the patient is ambulating without assistive devices in supportive shoe gear.						
Results	Peri-prosthetic algorithmic ap comprehensiv	Peri-prosthetic implant fractures are complex injuries that are difficult to treat regardless of location. We present a 4 stage algorithmic approach in dealing with this injury to help deduce whether the pathology is surgical or nonsurgical, and how comprehensive workup should be performed in this patient population.						
Discussions	Stage 1 is the stage to help of the culmination surgical or not	Stage 1 is the evaluation stage comprising a comprehensive physical exam with basic questions. Stage 2 is the diagnostic stage to help determine the cause or etiology of the periprosthetic fracture. Stage 3 is medical decision making stage, this is the culmination of the previous 2 stages into a logical and feasible decision. Stage 4 is the execution stage where either surgical or nonsurgical treatment is decided.						
Format	Case Study							
Case Rpt Followup	16							
Student Club								
Classification	Trauma							
Level of Evidence	Level IV							
Authors/Financial Di	sclosures							
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):			
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Submission ID	05-01414				Ref ID CS-1414				
Title	Tibial Wi	Tibial Widening and Foot Lengthening for Residual Clubfoot: A Case Study							
Submit Date	10/15/2024								
Correspondent	Last Name: Full Name: Practice/Com	Lamm Bradley pany/Residenc	cy Program:	Email: Paley Orthop	blamm@paleyinstitute.org edic and Spine Institute				
Authors	Author 1: Author 3: Author 5: Author 7:	Akshay Jain Bradley Lar	a DPM, AACFAS nm DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Garrett Nguyen DPM, AACFAS				
Purpose	Adult residua ambulation gi deformities re techniques ex	dult residual clubfoot deformities are difficult pathologies to treat. Most notably this population struggles with nbulation given the shortened pedal architecture, difficulty with balance, and poor muscle strength. These complex formities require thorough biomechanical work up to determine how to correct the complicated foot type. Few chniques exist to help this patient population. We present a unique surgical approach in a residual clubfoot case.							
Methodology									
Procedures	This is a 31-y result of the c poor balance, regarding the	This is a 31-year-old male with long standing congenital clubfoot pain. The patient was surgically overcorrected. As a result of the congenital clubfoot and surgical overcorrection the patient had very weak posterior muscle group strength, poor balance, difficulty with ambulation, shortened pedal architecture. Additionally, the patient was self-conscious regarding the size of his calves.							
Results	The patient un lengthening v unassisted in	The patient underwent bilateral multiplanar external fixator placement for the purposes of tibial widening and foot lengthening with a focus on correcting the biomechanical abnormalities. Postoperatively the patient is ambulating unassisted in supportive shoe gear.							
Discussions	Residual club patients ambu able to work t axial plane ar through the g stability.	Residual clubfoot deformities with superimposed overcorrection can be debilitating. We present a novel approach to help patients ambulate with better biomechanical function. By elongating the foot and increasing the lever arm, the patient is able to work through the gait cycle with better function and less exertion. Additionally, by translating the heel plantar in the axial plane and increasing the length of the posterior muscle groups we tighten the soft tissue to further engage power through the gait cycle. This approach has helped the patient achieve near normal foot function, with better lower extremity exbility.							
Format	Case Study								
Case Rpt Followup	12								
Student Club									
Classification	Rearfoot and	Ankle Recons	truction						
Level of Evidence	Level IV								
Authors/Financial Di	isclosures								
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-01418 Ref ID CS-14							
Title	Utilizing t A Case Stu	Utilizing the Talus as a "Constant Fragment" in a Failed Neuropathic Ankle Fracture-A Case Study						
Submit Date	10/15/2024							
Correspondent	Last Name:	Joshi						
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	Practice/Comp	oany/Residence	ey Program:	Morristown	Medical Center			
Authors	Author 1:	Rohan G. D	esai, DPM, FACFAS	Author 2:	Brian S. Sullivan, DPM, FACFAS			
	Author 3:			Author 4:				
	Author 5:			Author 6:				
	Author 7:			Author 8:				
Purpose	Neuropathic au ankle fractures necessary port strategies for r highlight techn	Neuropathic ankle fractures are often extremely complex cases and are noted to have a high failure rate. Failed neuropathic ankle fractures cases become more complex in regards to diabetes, neuropathy, and eventually limb salvage. The most necessary portion of a failed ankle fracture is often the talus, essentially acting as a "constant fragment". Optimal treatment strategies for management of these neuropathic failed ankle fractures are often uncertain. The purpose of this abstract is to highlight technical strategies and successful use of the talus as a "constant fragment" in salvage arthrodesis procedures.						
Methodology								
Procedures	This patient ur to the use of au "constant frag procedures we	nderwent mult n in situ dowe ment" and sta ere performed	tiple procedures to help fi l procedure performed to ble base to reconstruct th in the operative setting.	ix a failed neuropathic help stabilize the tibic e foot to the stable pla	ankle fracture. Multiple failed procedures lead otalar arthrodesis site to use the talus as a tform. Close follow up and subsequent			
Results	A neuropathic allograft and a	A neuropathic ankle fracture that was fixated with the usage of the talus as the "constant fragment" using ankle dowel allograft and ankle reconstruction in an attempt at limb salvage.						
Discussions	Failed ankle fr and biomechar procedure, util successfully. A	Failed ankle fracture fusion remains a challenging complication for podiatric surgeons. Achieving optimal bone healing and biomechanical outcomes requires a comprehensive approach that addresses multiple contributing factors. The Dowel procedure, utilizing the talus as a "constant fragment" and building block, is one potential technique that has been used successfully. Adjunctive procedures and diligent follow-up are especially critical in patients with diabetic neuropathy.						
Format	Case Study							
Case Rpt Followup	60							
Student Club								
Classification	Rearfoot and A	Ankle Reconst	ruction					
Level of Evidence	Level IV							
Authors/Financial D	isclosures							
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):			
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Submission ID	05-01421			Ref ID CS-1421		
Title	Overcompression of Dislocation, a Case	of the Syndesmosis in a T Report	Fraumatic (Geriatric Ankle Fracture		
Submit Date	10/15/2024					
Correspondent	Last Name: Adams					
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	Practice/Company/Resider	ncy Program:	Mercy Health	St. Vincents Medical Center		
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	Author 5:		Author 6:			
	Author 7:		Author 8:			
Purpose	The purpose of this case re overcompression of a geria	port was to highlight our experien atric ankle fracture, with surgical in	ce clinically an ntervention and	d radiographically of malreduction and I subsequent revision surgical intervention.		
Methodology						
Procedures	A threshold of syndesmost syndesmotic malreduction also a lack of understandin overcompression. A 79-yee fracture dislocation to the i fracture. Intraoperative im suspicion for syndesmotic malreduction of the syndes of ankle fracture and synde normal shoe gear at 13 we	s mareduction and over compress before a clinically significant char g of which malreduction character ar-old female was involved in a m left ankle. Index procedure was pe aging demonstrated displacement of involvement. Postoperative compi smosis with overcompression. (Fig esmosis successfully. Post operative eks.	non has been de nge in outcome ristics have imp otor vehicle col rformed with o of alignment af uter tomograph 5 5). She underv vely she returne	the in interature, nowever exact toterances of is observed is not yet agreed upon. There is dications to clinical outcomes, such as lision and sustained a closed bimalleolar pen reduction internal fixation of the ankle ter syndesmotic fixation and there was y (CT) of the bilateral ankles demonstrated went revisional open reduction internal fixation d to normal activity and weightbearing in		
Results	Postoperative radiographs the tibiotalar joint mortise contralateral side showed a and the contralateral extrem	Postoperative radiographs demonstrated malreduction and overcompression with anterior subluxation of the talus within the tibiotalar joint mortise (Fig 4). Radiographic comparison of the operative extremity syndesmosis on axial CT to the contralateral side showed >2nm of syndesmotic asymmetry and narrowing. The operative syndesmotic gap was 2.47mm and the contralateral extremity was 4.60mm.				
Discussions	Geriatric ankle fractures an	nd syndesmotic injuries remain a c	hallenging and	complex issue for foot and ankle surgeons.		
Format	Case Study					
Case Rpt Followup	15					
Student Club						
Classification	Trauma					
Level of Evidence	Level IV					
Authors/Financial D	visclosures					
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Orthofix, Integra

Kyle McKray Smith, DPM, FACFAS

Submission ID	05-01422				Ref ID CS-1422
Title	Epithelioi	d Angiosa	rcoma of the Foot : A C	ase Report	:
Submit Date	10/15/2024				
Correspondent	Last Name: Full Name: Practice/Comp	Maroshek Alexander pany/Residenc	y Program:	Email: Hackensack M	admaroshek@gmail.com Aeridian Healh - Jersey Shore University
Authors	Author 1: Author 3: Author 5: Author 7:	Alexander M Evan Adler, 1	laroshek, DPM DPM	Author 2: Author 4: Author 6: Author 8:	Tayyaba Hasan, DPM
Purpose	To present a ca	ase study of ep	oitheloid angiosarcoma in the low	ver extremity.	
Methodology					
Procedures	Angiosarcoma 7th decade of 80 year-old m revision, basal worked up by lateral column setting of shov osteomyelitis. PET/CT was of lung that was definitive treat	is are rare mali life in males. T ale with previce cell carcinom multiple speci and heel. He ver emboli. He Pathology spe ordered finding later biopsied atment for two	ignant neoplasms comprising 1-3 Chey are aggressive lesions and c us history of sub-renal Abdomir a, coronary angioplasty, and 40 µ altics for painful violations lesio was admitted with concern for le c consented to a left hallux ampu crimen returned as Epithelioid Au metastatic disease to the entiret and described as adenocarcinoma separate cancers after diagnosis.	% of adult soft often unstageabinal Aortic Aneu pack-year smok n starting on this ft foot cellulitis tation and prim ngiosarcoma wi y of the left low a. Patient and h	tissue sarcomas, typically developing in the le due to their aggressive nature. We present an rysm without rupture that underwent repair and ing history. Followed in outpatient setting and left hallux and spreading proximally to the swith suspected underlying osteomyelitis in the ary closure for treatment of likely ithout bone involvement. Postoperatively wer extremity and nodular opacity in the left is family opted for hospice care in place of
Results	We present an	atypical case	of angiosarcoma presenting in th	e lower extrem	ity.
Discussions	In our case stu hospice care w	idy, we present ve hope our rej	t an atypical presentation of anig port adds to the body of evidence	osarcoma in the e for tumors fou	blower extremity. Although; patient opted for and in the lower extremity.
Format	Case Study				
Case Rpt Followup	12				
Student Club					
Classification	Soft Tissue/Tu	imor			
Level of Evidence	Level IV				
Authors/Financial Di	isclosures				
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):
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Submission ID	05-01426				Ref ID CS-1426			
Title	Flipping t	Flipping the Script on Fibroma Excision with Use of Synthetic Graft						
Submit Date	10/15/2024							
Correspondent	Last Name: Full Name: Practice/Com	Paramasivam Divya pany/Residency	Program:	Email: UF Health J	divya.paramasivam@jax.ufl.edu acksonvile			
Authors	Author 1: Author 3: Author 5: Author 7:	Divya S. Paran	nasivam, DPM	Author 2: Author 4: Author 6: Author 8:	Jason A. Piraino, DPM, MS, FACFAS			
Purpose	Plantar fibron quantity. Alth discomfort. S from pursuing recurrence aft	Plantar fibromas are benign tumors that form along the plantar fascia, manifesting as firm nodules that vary in size and quantity. Although these tumors are non-cancerous and generally pose minimal health risks, they can cause significant discomfort. Surgical excision may offer relief; however, the high recurrence rates often discourage foot and ankle surgeons from pursuing this treatment option. In this case study, we investigate the use of a synthetic graft as a strategy to prevent recurrence after excision.						
Methodology								
Procedures	We evaluated During the ex follow-up per fibroma excis excision site,	We evaluated two patients with plantar fibromas: one with bilateral fibromas and the other with a unilateral fibroma. During the excision, an Artelon synthetic graft was placed in the void to act as a scaffold for tissue regeneration. The mean follow-up period for all three feet was one year. While there is limited literature specifically on synthetic grafts for plantar fibroma excision, previous research by Dr. Lauf and colleagues in 1998 examined the use of a dermal fat graft at the excision site which successfully resulted in one reurrence						
Results	In our study, 1 well, remaine	In our study, no recurrences were observed and no complications related to the graft were reported. Both patients healed well, remained asymptomatic, and ambulated without restrictions.						
Discussions	Our investiga 1998 research scar tissue. Ou to improve ou	Our investigation into synthetic graft material aims to prevent recurrence of plantar fibromas. Our objectives align with the 1998 research: to serve as a scaffold, preserve anatomical structure, and ensure biomechanical stability with minimized scar tissue. Our findings indicate that synthetic grafts can effectively meet these objectives, contributing valuable insights to improve outcomes in plantar fibroma excisions.						
Format	Case Study							
Case Rpt Followup	12							
Student Club								
Classification	Soft Tissue/T	umor						
Level of Evidence	Level IV							
Authors/Financial Di	isclosures							
Full Name:	Email:		Disclosure(s) selected	Ŀ	Disclosed Organisation(s):			
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Submission ID	05-01427		Ref ID CS-1427					
Title	Successful Manage Retrospective Case	Successful Management of a Rare Expansile Giant Cell Tumor in the Distal Tibia: A Retrospective Case Report						
Submit Date	10/15/2024							
Correspondent	Last Name: Wanniarac	hchi						
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	Practice/Company/Resider	ncy Program:	Katherine Sh	aw Bethea Hospital				
Authors	Author 1: Gayana, H	Wanniarachchi, DPM	Author 2:	Roshni Patel, DPM				
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Purpose	This case study highlights grafting with fixation of ra	the successful management of a fting screws in the distal tibia.	an expansile gian	t cell tumor with aggressive curettage and				
Methodology								
Procedures	A retrospective chart revie female patient was referree ray. On exam, there was a joint motion and positive T tibia with an intact cortex, the distal tibia measuring 4 intervention was done, stau with rafting screws of the	A retrospective chart review was performed utilizing electronic medical records at a single institution. A 53-year-old female patient was referred to our clinic with worsening right ankle pain for several months and a suspicious lesion on x-ray. On exam, there was a palpable and painful mass on the anterolateral aspect of the tibia with mild limitations of ankle joint motion and positive Tinnel's sign along the superficial peroneal nerve. X-rays showed an expansile mass in the distal tibia with an intact cortex, sclerotic margins, and a bubbly appearance. MRI revealed a well-demarcated expansile lesion o the distal tibia measuring 4x4x2 cm extending to the tibial plafond and involving distal syndesmosis. Staged surgical intervention was done, starting with a bone biopsy which confirmed a GCT, followed by aggressive curettage and grafting with rafting screws of the distal tibia.						
Results	Following the surgery, syn had no signs of recurrence	nptoms were resolved, and norr , and the osseous void in the dis	nal function was stal tibia was cons	attained. At the 18-month follow-up, the patient solidated.				
Discussions	Giant cell tumors (GCT) c They can become locally a or around the knee joint, b	omprise approximately 10% of ggressive, painful and have a 5 ut rarely near the ankle joint.	all osseous tumo	rs being the most common benign bone lesion. astasis. Typically, GCT occur in the distal radius				
Format	Case Study							
Case Rpt Followup	18							
Student Club								
Classification	Rearfoot and Ankle Recon	struction						
Level of Evidence	Level IV							
Authors/Financial Di	isclosures							
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Submission ID	05-01428				Ref ID CS-1428		
Title	Tibiotaloca Segmental	alcaneal Art Bone Defec	throdesis with Conco ts Following a Failed	mitant Dis Total Ank	traction Osteogenesis for Large le Implant Arthroplasty		
Submit Date	10/15/2024						
Correspondent	Last Name: Full Name: Practice/Comp	Hidalgo Maria any/Residency F	Program:	Email: Barry Univers	maria.hidalgo@mymail.barry.edu ity School of Podiatric Medicine		
Authors	Author 1: Author 3: Author 5: Author 7:	Maria P. Hidalg Akshay Jain, D	;o, BS PM, AACFAS	Author 2: Author 4: Author 6: Author 8:	Garrett B. Nguyen, DPM, AACFAS Bradley M. Lamm, DPM, FACFAS		
Purpose	Revision surge purpose of this large segmenta concomitant di	Revision surgery with large segmental defects following a failed total ankle replacement (TAR) can be challenging. The purpose of this case study is to document a successful reconstruction of a failed total ankle implant arthroplasty with a large segmental bone defect utilizing a bulk femoral head allograft for a tibiotalocalcaneal (TTC) arthrodesis with concomitant distraction osteogenesis via a motorized multiplanar external fixator device.					
Methodology							
Procedures	A 66-year-old female presented with a large segmental bone defect following a failed TAR for the treatment of a post- traumatic talar avascular necrosis. A staged approach was performed. A masquelet induced membrane technique was utilized. A computer programmed multiplanar external fixator with motorized struts was applied. TTC distraction arthrodesis was performed with a bulk femoral head allograft. Proximal tibia and fibula was osteotomized and a gradual distraction osteogenesis performed via the motorized external fixator device.						
Results	Post-operatively, the patient healed uneventfully. At 12 months, the patient ambulates without difficulty and relates no pain. Serial radiographs reveal complete osseous bridging and healing across the arthrodesis site and regenerate without evidence of reabsorption, subsidence, or loss of structural integrity.						
Discussions	Revision surger complications of osteogenesis co a successful sta	Revision surgeries for total ankle replacements with significant osseous deficits have high rates of non-union and complications causing pain and dysfunction. Use of a TTC arthrodesis with a motorized external fixator for distraction osteogenesis corrects the deformity while preserving limb length thus mitigating structural imbalances. This case highlights a successful staged approach for complex hindfoot revision after failed total ankle arthroplasty.					
Format	Case Study						
Case Rpt Followup	12						
Student Club Classification Level of Evidence	Rearfoot and Ankle Reconstruction						
Authors/Financial D	isclosures						
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Submission ID	05-01429	05-01429 Ref ID CS-14							
Title	Microscoj repair: A	Microscopic Repair of Tibial Nerve neuroma following Trimalleolar ankle fracture repair: A case report							
Submit Date	10/15/2024								
Correspondent	Last Name:	Malik							
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	Practice/Com	pany/Residency P	rogram:	Jersey Shore U	University Medical Center				
Authors	Author 1:	Inshal Malik DF	PM	Author 2:	James Polowczyk DPM				
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	Author 5:			Author 6:					
	Author 7:			Author 8:					
Purpose	The purpose of fracture repair complications following sur- technique, pro-	of this case report i r. Ankle fractures a s remains a critical gical repair of a tri coperative planning	is to illuminate potential com are common injuries that ofter concern. This specific case in malleolar ankle fracture. Our g, and postoperative monitori	plications assoc n require surgic nvolving a patie objective is to ng in mitigating	iated with nerve injury following ankle al intervention, yet the risk of neurovascular ent who experienced tibial nerve injury highlight the importance of meticulous surgical g the risk of nerve damage.				
Methodology									
Procedures	An unfortuna trimalleolar fi at the tarsal tu neuroma-in-c epineurial rep from her prev	An unfortunate 69-year-old woman suffered persistent right ankle pain and hypoesthesia of her plantar foot after a trimalleolar fracture repair and subsequent hardware removal after healing of fractures. EMG confirmed tibial nerve injury at the tarsal tunnel, prompting a decompression and release. Intraoperative findings revealed dense scar tissue and a 4 mm neuroma-in-continuity, which was excised. An 8 mm cadaver nerve graft was then utilized for a tension-free microsurgical epineurial repair with 8-0 nylon sutures and thrombin glue. This surgical intervention aimed to alleviate complications from her previous injuries and enhance function and pain relief.							
Results	Following ner toe flexion str	rve repair, the pation rength, and increase	ent experienced significant pa ed overall function, leading to	ain reduction, in o a better qualit	nproved sensation in the plantar foot, enhanced ty of life upon followup.				
Discussions	The surgical i cadaver nerve improved fun	ntervention address graft and microsu ction, and enhance	ssed severe complications from rgical techniques aimed for e ed quality of life.	m an ankle inju ffective repair.	ry, including scar tissue/neuroma. The use of a Positive outcomes expected include pain relief,				
Format	Case Study								
Case Rpt Followup	24								
Student Club									
Classification	Neurological/	Peripheral Nerve I	Disorders						
Level of Evidence	Level IV								
Authors/Financial D	Disclosures								
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Submission ID	05-01439				Ref ID CS-1439				
Title	Combina Neuropat	Combination of Bisphosphonates and Bone Morphogenetic Protein (BMP) for Repea Neuropathic Limb Salvage Reconstruction: A Novel Adjunct for Union Optimization							
Submit Date	10/15/2024								
Correspondent	Last Name:	Azizi							
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	Practice/Com	pany/Residenc	y Program:	Kaiser Found	dation Hospital				
Authors	Author 1:	Soran, S, Az	izi, DPM,PGY3	Author 2:	Yaseer Y. Parupia, DPM				
	Author 3:			Author 4:					
	Author 5:			Author 6:					
	Author 7:			Author 8:					
Purpose	This report is aid in bony fu Charcot foot to mitigate th	the first of its lasion following reconstruction, is by combinin	kind to illustrate the suppler complex neuropathic rearf the incidence of delayed ar g the two with augmentatio	mentation of BMP v oot arthrodesis that ad non-union remain n of allograft in cor	with bisphosphonates as an adjunct modality to required revision. In the case of challenging as a hindrance to a successful outcome. We aim applex revisional procedures.				
Methodology									
Procedures	In recent year and systemic there is a grov bisphosphona foot reconstru- they underwe in addition to	s, many orthop bisphosphonat wing body of p tes as dual inte action via TTC nt HWR and re bisphosphonat	edic literature reports have es to improve bone fracture reclinical evidence, particul rventions. We present a cas nail. The index procedures visional TTC via a plating e supplementation through	provided convincir healing. Although arly in rodent mode e of two patients, a led to suboptimal o approach, in which but the postoperativ	g evidence for the synergy between local BMP most of the research is based on animal studies, els, that supports the biology behind BMP and ged 60 and 48, who both underwent Charcot utcomes due to poor bony union. Ultimately, BMP was added intraoperatively with allograft, e healing period.				
Results	S/P HWR wit alignment and	h TTC revision l intact hardwa	n, both patients exhibited ca re.	llus formation acro	ss the fusion mass, with adequate anatomic				
Discussions	The utilizatio rearfoot arthr support their	n of combined odesis procedu use in Podiatric	BMP and bisphosphonates res. More research, particul c surgery.	has the potential to arly focused on the	optimize fusion rates following complex clinical application of the two, is needed to				
Format	Case Study								
Case Rpt Followup	12								
Student Club									
Classification	Rearfoot and	Ankle Reconst	ruction						
Level of Evidence	Level IV								
Authors/Financial Di	isclosures								
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-01449	05-01449 Ref ID CS					
Title	Surgical N Study	lanagemen	t of Checkrein Deforn	nity in an 1	8-Year-Old Patient: A Case		
Submit Date	10/15/2024						
Correspondent	Last Name:	Saggi					
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	Practice/Comp	any/Residency	Program:	Tower Health-	Reading Hospital		
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	Author 5:			Author 6:			
	Author 7:			Author 8:			
Purpose	This case stud emphasizing s	y explores the s urgical techniqu	uccessful surgical treatment of a les, outcomes, and recommendation	a rare Checkrei ations for future	n deformity in an 18-year-old patient, cases.		
Methodology							
Procedures	Checkrein def trauma. Litera An 18-year-ol- confirmed tigh conservative n flexor hallucis operative prote	printy is marke our suggests su d active patient t, fibrotic FHL neasures failed. longus (FHL) a pool, including	d by involuntary toe plantarflee rgery, including tendon release, presented with unilateral check and FDL tendons without signi The patient underwent tarsal tu and flexor digitorum longus (FE immobilization and physical the	cion due to flexed can be effectiv rein deformity a ficant osseous i nnel decompres DL) tendons to a erapy, was impl	or tendon fibrosis or tethering, often after e, but guidance is limited for young athletes. Iffecting gait and athletic ability. Imaging ssues. Surgery was performed after usion with adjunctive Z-lengthening of the illeviate contracture. A structured post- emented.		
Results	Post-operative successfully co sustained impo	outcomes were ompleted physic ovement witho	e positive, with complete resolut cal therapy and returned to spor ut complications.	tion of the defor ts without recur	mity and restored toe mobility. The patient rence. 14-month follow-up confirmed		
Discussions	The combinati improvements Further researc surgical and re	on of decompre could involve p th is needed to habilitation stra	ession and tendon lengthening p pinning the digits after tendon lo confirm the long-term success o ategies to achieve optimal outco	roved effective engthening to pr of this approach mes for young,	leading to full recovery. Future procedural revent contracture and enhance stability. This case underscores the need for tailored active patients with Checkrein deformity.		
Format	Case Study						
Case Rpt Followup	14						
Student Club							
Classification	Trauma						
Level of Evidence	Level IV						
Authors/Financial Di	sclosures						
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Submission ID	05-01451 Ref ID CS-14								
Title	A Novel S Tarsometa	A Novel Surgical Approach for Isolated Exostosis and Dislocation of the 4th Tarsometatarsal Joint Using an Internal Brace							
Submit Date	10/15/2024								
Correspondent	Last Name:	Saggi							
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	Practice/Comp	oany/Residency	Program:	Tower Health ·	Reading Hospi	ital			
Authors	Author 1:	Harvinder Sag	ggi DPM PGY3	Author 2:	Jeffery Zimme	rman, DPM			
	Author 3:	Kevin Naugle	e, DPM	Author 4:					
	Author 5:			Author 6:					
	Author 7:			Author 8:					
Purpose	To present a no an internal bra	ovel approach f ce system for o	for treating an isolated exostosis open reduction internal fixation (and dislocation (ORIF).	of the 4th tarso	ometatarsal joint (TMTJ) using			
Methodology									
Procedures	The 4th TMTJ methods may stability witho degenerative ju resection of th CAM boot and	is a critical mo not always ensu ut compromisin oint disease (D. e exostosis, red l progressed to	bile adapter in gait, and injuries re optimal outcomes, highlighti ag mobility. A 33-year-old fema JD) underwent ORIF using an ir luction, and stable yet flexible fi weight-bearing as tolerated (WI	s here can lead t ing the need for le with an isolat hternal brace sys ixation. Post-op BAT) along with	o instability and innovative tech ed 4th TMTJ ex stem. The surgio eratively, the pa h physical thera	I pain. Traditional fixation niques to improve joint costosis, dislocation, and mild cal procedure included tient was managed with a py.			
Results	The internal by patient returne motion and str reoccurrence.	race facilitated ed to normal act rength without l	anatomical alignment, allowing ivities without pain. Radiograph hardware complications. 14-mor	gradual weight as showed stable ath follow-up co	-bearing and rel e alignment, and onfirmed positiv	habilitation. At 2 months, the d the patient had full range of ve outcomes without			
Discussions	The internal be a mobile adapt validate these	race effectively ter. The positive findings.	balanced stability and flexibilit e outcome supports its potential	y, aligning with as a preferred t	literature emph reatment option	assizing the 4th TMTJ's role as , warranting further studies to			
Format	Case Study								
Case Rpt Followup	14								
Student Club									
Classification	Trauma								
Level of Evidence	Level IV								
Authors/Financial Di	isclosures								
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):			
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Submission ID	05-01453				Ref ID CS-1453
Title	Clinical Consi	deration	is for the Treatment	t of Patholo	gical Sesamoid Fractures
Submit Date	10/16/2024				
Correspondent	Last Name: Shol Full Name: Alee Practice/Company/R	lakh em Sholakh Residency P	B.S. /rogram:	Email: Kent State U	asholakh@kent.edu niversity College of Podiatric Medicine
Authors	Author 1: Dalo Author 3: Author 5: Author 7:	on Paredes,	DPM, PGY-1	Author 2: Author 4: Author 6: Author 8:	Shannon King, DO, PGY-4
Purpose	This paper compares sesamoidectomy or	s the outcon with an ope	nes of three patients with a en reduction internal fixation	fractured sesame n (ORIF) with a	oid who were treated either with a screw or with non-surgical care.
Methodology					
Procedures	fusion and avoid cor average individual, a soccer player, it is er performing a sesame case, a full return to literature of operativ	mplications athletes con ven more cr oidectomy, pre-injury p vely treated	of delayed surgery. Sesamd npeting at an advanced leve rucial to reestablish the form which could lead to altered professional sport level was fractures of the sesamoid.	bidectomies may l may not be goo ner anatomical p biomechanics au achieved withir	be an intervention that would be fine for the od candidates. For example, for a professional osition of the medial sesamoid rather than nd reduced push-off strength. In Nakajima's a 10 weeks, which is comparable to the current
Results	The subjects in this a evaluation via gait a	review were nalysis, and	e evaluated using a visual a l return to activities timeline	nalog scale (VAS es.	S), numerical rating scale (NRS), biomechanical
Discussions	Physicians should co that additional data o an argument to conse typically eight week long-term healthy pr	onsider an O can be analy ider ORIF e as, the result rognosis wit	DRIF approach for patients yzed and compared versus o even though a longer durati- ts seem to be promising whi- th a biomechanically stable	that are deemed other traditional on of postoperation en considering the foot.	to be a good candidate for this procedure, so treatment methods. The data generated creates ive recovery than sesamoid excision, which is he increased likelihood of a patient achieving a
Format	Case Study				
Case Rpt Followup	24				
Student Club					
Classification	Biomechanics and A	anatomy			
Level of Evidence	Level IV				
Authors/Financial D	isclosures				
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Submission ID	05-00669 Ref ID CS								
Title	Intraosse	Intraosseous Bioplasty - A Technique for Treating Cuboid Stress Injuries							
Submit Date	08/15/2024								
Correspondent	Last Name: Full Name: Practice/Com	Hill Zachary npany/Residend	cy Program:	Email: Indy Foot an	zph1582@gmail.com d Ankle Reconstructive Surgery Fellowship				
Authors	Author 1: Author 3: Author 5: Author 7:	Zachary Hil Andrew Kaj	l, DPM psalis, DPM	Author 2: Author 4: Author 6: Author 8:	Andrew Regal, DPM				
Purpose	Cuboid stress treatments of case series ex treating cubo	s reactions are ten include res plores the effi- id stress reaction	a relatively rare but signifi t, immobilization, and phy cacy of the Bioplasty tech ons.	cant source of pain a visical therapy, which nique—a method wid	nd disability in the foot and ankle. Traditional can result in prolonged recovery times. This ely supported in hip and knee literature—in				
Methodology									
Procedures	Three patient to conservati involves the healing.The p Postoperative healing.	s with sympton we treatments a percutaneous in procedure was e outcomes we	matic cuboid stress reaction and experienced persistent njection of a bone substitu performed under fluorosco re evaluated based on pain	ns underwent percuta pain and functional l te material into the af opic guidance to ensu relief, return to norm	neous Bioplasty. Each patient failed to respond imitations. This minimally invasive procedure fected area to promote structural support and re the precise placement of bone substitute. al activity, and imaging studies to assess bone				
Results	All three pati post-procedu and resolutio	ents experienc re. Follow-up n of the stress	ed significant pain reducti imaging demonstrated sati reactions. No complication	on and could return to sfactory incorporation is or adverse events v	o their pre-injury activity levels within six weeks a of the bone substitute with evidence of healing vere reported at the final follow-up.				
Discussions	This case ser pain relief an warranted to	ies suggests the d expedited ret validate the us	at bioplasty is a viable and turn to activity. Given its s e of intraosseous bioplasty	effective option for t uccess in these cases in the broader conte	reating cuboid stress reactions, offering rapid further research and larger studies are xt of foot and ankle pathology.				
Format	Case Study								
Case Rpt Followup	12								
Student Club									
Classification	Rearfoot and	Ankle Recons	truction						
Level of Evidence	Level IV								
Authors/Financial D	isclosures								
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-00672				Ref ID CS-672		
Title	Benign Pl	exiform Sc	hwannoma of the Foo	t and Ankle	e: A Case Study		
Submit Date	08/15/2024						
Correspondent	Last Name:	Stallings					
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	Practice/Com	pany/Residency	y Program:	Department o New Haven, 0	f Podiatric Surgery, Yale New Haven Hospital, CT		
Authors	Author 1:	William Stall	lings, DPM	Author 2:	Timothy P. Cheung, DPM, PhD, CPT		
	Author 3:	Uzair Amjad	, DPM	Author 4:	Michael I. Gazes, DPM, MPH, FACFAS		
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	Author 7:			Author 8:			
Purpose	This study pro effective sym	esents a rare cas ptom relief and	se of plexiform schwannoma of prevention of neural deficits.	the ankle, emp	hasizing the importance of surgical excision for		
Methodology							
Procedures	A 54-year-old Aspiration att tissue mass, p	A 54-year-old woman presented with a painful 3 cm mass on her right ankle, initially suspected to be a ganglion cyst. Aspiration attempts failed, and only slight reduction occurred after a steroid injection. MRI revealed an indeterminate soft tissue mass, prompting the patient to opt for surgical excision.					
Results	The mass, involving the superficial peroneal nerve, was successfully removed without nerve damage. Pathology confirmed a benign plexiform schwannoma. The patient recovered fully with no sensory deficits, and at the 1-year follow-up, there was no recurrence. This case study discusses a rare benign plexiform schwannoma in the lower extremity, emphasizing diagnostic imaging techniques like X-ray, ultrasound, and MRI, and highlights surgical excision as the primary treatment, with careful nerve preservation.						
Discussions	Although superficial peroneal nerve plexiform schwannomas are relatively rare in the lower extremity, they should remain a consideration for practitioners evaluating soft tissue masses. When encountering an unidentified symptomatic mass, and opting for excisional biopsy as the treatment, it is crucial to perform careful dissection and preserve the surrounding soft tissue structures to minimize patient morbidity and ensure a successful outcome. While this case study provides valuable insights into these rare benign tumors and demonstrates no recurrence or complications in a 1 year follow up, further preserve the include the quark of the quark of the surrounding soft is preserved.						
Format	Case Study						
Case Rnt Followup	12						
Student Club							
Classification	Neurological	Peripheral Ner	ve Disorders				
Level of Evidence	Level IV	1					
Authors/Financial Di	sclosures						
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Submission ID	05-00674				Ref ID CS-674		
Title	A Reprod	ucible technic	que in Midfoot Char	cot Recons	truction		
Submit Date	08/15/2024						
Correspondent	Last Name:	Stallings					
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	Practice/Com	pany/Residency Pr	ogram:	Resident Phys New Haven H	ician, Podiatric Medicine and Surgery, Yale ospital		
Authors	Author 1:	William Stalling	s, DPM	Author 2:	Arij M. Rashid, DPM		
	Author 3:	Timothy P. Cheu	ng, DPM, PhD,CPT	Author 4:	Garrett Rhoton, DPM		
	Author 5:	Rafi Fasihuddin	DPM	Author 6:	Zachary Korwek DPM		
	Author 7:	Peter Blume, DP	M, FACFAS	Author 8:			
Purpose	This study air breakdown co advanced ima fusion with er	ns to evaluate the e omplicated by chron ging, bone biopsies sternal fixation, we	effectiveness of a novel limb s nic plantar ulceration and ost s, targeted antimicrobial thera a chieved successful limb sal	salvage techniq eomyelitis. Thr apy, midfoot de vage.	ue in three adult patients with midfoot Charcot ough a multidisciplinary approach, combining bridement, multiplanar correction, and septic		
Methodology							
Procedures	This retrospec limb amputat midfoot colla	ctive review examination due to severe m pse, underwent wo	ned three diabetic patients tre hidfoot ulceration with osteon und debridement, wedge rese	ated from sum nyelitis. The pa ction, and exter	ner 2022 to January 2024, all at high risk of tients had rocker-bottom deformities and rnal fixation instead of proximal amputation.		
Results	Radiographs a treated with V had plantigrad	Radiographs showed bony/fibrous union in all three patients with midfoot collapse. Cultures primarily grew MRSA, treated with Vancomycin and other antibiotics. Pathology confirmed osteomyelitis. At 12 months post-surgery, all patients had plantigrade feet, no acute infection, and could ambulate with custom orthoses.					
Discussions	Charcot Neur treatments or midfoot Char technique offe samples are n	opathy presents a s present at advanced cot neuroarthropath ers a practical solut eeded to validate it	ignificant challenge for Foot d stages. This study outlines a ny with osteomyelitis, leading ion for restoring function and s effectiveness and reproduci	and Ankle surg a technically de g to a wound-fru l preventing uld bility.	zeons, especially when patients fail early manding, multi-team approach for treating ee, plantigrade foot within 12 months. The eration, though future studies with larger		
Format	Case Study						
Case Rnt Followun	12						
Student Club							
Classification	Diabetic Foot						
Level of Evidence	Level IV						
Authons/Einansial D	icologunos						
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Submission ID	05-00682 Ref ID CS-68								
Title	Lipofibro	Lipofibromatosis-like Neural Tumor of the Foot: A Case Report							
Submit Date	08/31/2024								
Correspondent	Last Name: Full Name: Practice/Comp	Kroleski Janna any/Residency I	Program:	Email: Midwestern U	Jkrole@midwestern.edu /niversity School of Podiatric Medicine				
Authors	Author 1: Author 3: Author 5: Author 7:	Derek Swansor Annie Phan, M	n, PMSII A, OMSII	Author 2: Author 4: Author 6: Author 8:	Robert C. Lee, PMSII Janna Kroleski, DPM, MS				
Purpose	Lipofibromato appearing as p with only one ultrasound, and alternative. Th literature to en	sis-like Neural T urplish-red bliste other documente d histochemical a is case series doo hance recognitio	'umors (LPF-NTs) are an exce ers on the hands, or buttocks. I d case within the foot, making analysis. Treatment mainly inv cuments a successful identifica n, diagnosis, and treatment.	ptionally rare, s .PF-NTs were is proper diagno rolves surgical ation, and surgi	slow-growing, benign neural tumor typically dentified and named within the last 10 years, sis difficult. Diagnosis involves MRI, excision, with NTRK inhibitors as an cal removal of an LPF-NT and reviews the				
Methodology									
Procedures	The patient, a MRI and ultra: Doppler indica down to the su	26 year old fema sound revealed a ated vascular flow bcutaneous tissu	le, presented in the clinic with primarily solid, hyperechoic r w in the fluid area. Excisional e.	a painful, red nass, with the s removal of the	and purple mass and reported pain at the site. uperior half being fluid-filled and hypoechoic. LPF-NT was performed using blunt dissection				
Results	Pathological as revealed derms abnormalities	Pathological analysis identified no high-grade morphological features, ruling out metastasis. Immunohistochemistry revealed dermal spindle cell proliferation, cells positive for CD34/S100, and a KI-67 index of 10-15%. NTRK1 molecular abnormalities confirmed an LPF-NT diagnosis. At the most recent follow up no recurrence was noted.							
Discussions	Excision is the growth, and ar LPF-NTs due t	e most common t e viable for case to their novelty.	reatment for LPF-NTs. NTRK s with surgical risks. Further re	inhibitors have esearch is need	e also been shown to reduce tumor size and ed on treatments and diagnostic guidelines for				
Format	Case Study								
Case Rpt Followup	15								
Student Club									
Classification	Soft Tissue/Tu	mor							
Level of Evidence	Level IV								
Authors/Financial D	Disclosures								
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Submission ID	05-00689 Ref ID C								
Title	A Case Ser Allograft C	A Case Series of Talar Fracture Stabilization Utilizing Screws Made From Human Allograft Cortical Bone							
Submit Date	09/16/2024								
Correspondent	Last Name: Full Name: Practice/Compa	Nguyen Khoa D. Ngu any/Residenc	ıyen, DPM, FACFAS y Program:	Email: Vale Foot & A	kdn@valepod .nkle Surgery, P	iatry.com LLC			
Authors	Author 1: Author 3: Author 5: Author 7:	Khoa D. Ngu	ıyen, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Boris Tirala, N	ΛD			
Purpose	The purpose of cortical bone in	this case seri the setting o	es is to present an alternative frac f talar fracture Hawkins Type II a	cture stabilization and IV with hig	on with screws h risk of avascu	made from human allograft lar necrosis			
Methodology									
Procedures	Avascular necro Incidences of A is to present an AVN	osis (AVN) is VN in Hawki alternative fr	among the most common compl ins Type II and IV can be as high acture stabilization with human a	ications of post as 49% and 70 Illograft cortica	surgical stabili -100% respectiv l bone screw to	zation of talar fractures. vely. The aim of this case study further minimize incidence of			
Results	The two cases p underwent ORI arthrodesis in ty	presented in the formation of the format	his series consisted of a Hawkins with human allograft cortical bo re. There was no evidence of ava	type II and a H ne screws and i scular necrosis	lawkins type IV in addition to su observed after 1	fractures. Both cases btalar/talonavicular joints 2 months postoperatively.			
Discussions	3 allograft corti fracture. As for fracture in addi no incidence of fractures ORIF,	ical screws we the Hawkins tion to subtal AVN observe human allog	ere utilized to stabilize the talar n type IV fracture, 3 allograft cort ar joint and talonavicular joint ar ed in a limited case study. With s raft cortical bone screw can be a	eck fracture an ical screws wer throdesis via m uch high risk of viable option i	d reduction of s e utilized to prin etal screws and f AVN following n these challeng	ubtalar joint in Hawkins type II marily stabilize the talar body staple. Both cases healed with g Hawkins Type II and IV ing cases.			
Format	Case Study								
Case Rpt Followup	12								
Student Club									
Classification	Trauma								
Level of Evidence	Level IV								
Authors/Financial Di	sclosures								
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):			
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Submission ID	05-00695					Ref ID CS-695			
Title	Minocycl	Minocycline-Induced Black Bone Disease in Foot and Ankle Surgery: A Case Report							
Submit Date	09/23/2024								
Correspondent	Last Name: Full Name: Practice/Con	Cheung Timothy P C npany/Residenc	heung, DPM, PhD, CPT y Program:	Email: Yale New Ha	timothy.cheung wen Hospital	@yale.edu			
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Purpose	The purpose	of this case stud	dy is to report a rare case of	Minocycline-Induc	ed Black Bone Di	isease (MIBBD).			
Methodology									
Procedures	Bone and per alter surgical necrosis, and encountered intraoperativ concern for a implant arthr were continu	riarticular tissue plans and over l bone inflamma in foot and ankl e findings of di a metabolically roplasty to a Ke led as planned. I	e discoloration can be an une all patient management. Con ation. Minocycline-Induced le surgery that can cause sig ffuse black, blue, and gray b malignant process and prom ller arthroplasty. The plan fo Bone specimens were sent fo	xpected finding the numon causes of boo Black Bone Diseas inificant black, blue one discoloration d pted the conversion r proximal interpha or pathologic analy	at is often disconc ne discoloration ir e is a rare and rela and gray discolor luring an elective n of plans for a fir- alangeal joint arth- sis.	erting for surgeons and can telude infection, avascular tively benign pathology ation of bone. Unanticipated forefoot surgery raised st metatarsophalangeal joint roplasties of the lesser digits			
Results	Postoperative out malignan has healed w	Postoperative analysis identified chronic use of a minocycline for acne vulgaris. Pathologic analysis of the specimens ruled out malignant processes. Altogether, the data available led to the diagnosis of MIBBD. Since the last follow up, the patient has healed well without complications.							
Discussions	Our case rep preoperative	ort underscores visits to assist t	the importance of including he surgeon in intraoperative	the chronic use of decision-making.	tetracyclines in m	edical history intake during			
Format	Case Study								
Case Rpt Followup	16								
Student Club									
Classification	Forefoot Rec	construction							
Level of Evidence	Level IV								
Authors/Financial Di	isclosures								
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):			
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Submission ID	05-00698	05-00698 Ref ID CS-69								
Title	Surgical (Surgical Correction of Cavus Foot after Partial Fifth Ray Amputation								
Submit Date	08/22/2024									
Correspondent	Last Name: Full Name: Practice/Com	Vyas Phoram B. V pany/Residenc	'yas, DPM y Program:	Email: Hunt Regional	phoram.vyas@gmail.com Medical Center					
Authors	Author 1: Author 3: Author 5: Author 7:	Phoram B. V Paul Branch	'yas, DPM eau, DPM	Author 2: Author 4: Author 6: Author 8:	Payaam P. Tavakoli, DPM					
Purpose	Lateral colum entire fifth me foot deformiti documents 3 o tibialis anterio	n wounds are etatarsal is avoi es can still occ cases of recurro or tendon trans	often attributed to biomechanical ided when possible to maintain th ur with partial 5th ray amputation ent lateral column ulcers after par fer (TATT) and a lateral displacer	and structural of the pronotary for ns resulting in 1 tial 5th ray amp ment calcaneal	leformities of the foot. Amputation of the ces of the peroneus brevis. However, cavus ateral column overload. This case series sutations treated with a combination of a osteotomy (LDCO).					
Methodology										
Procedures	2 patients und study. Both pa metatarsal. Pr	2 patients undergoing tibialis anterior tendon transfer and lateral displacement calcaneal osteotomy are included in this study. Both patients had recurrent lateral column wounds with bone biopsies confirming osteomyelitis of the residual 5th metatarsal. Preoperative standard x-rays revealed calcaneal varus deformities.								
Results	Post-operative patients achie	Post-operative radiographs revealed correction of cavus foot with no non-unions or hardware failure in both patients. Both patients achieved an ulcer free foot within 12 weeks and have remained ulcer free.								
Discussions	Infected wour lateral column tibialis anterio foot.	nds resulting in 1 overload. Eva 1 or tendon trans	partial fifth ray amputations can aluating for biomechanical pathol fer and lateral displacement calca	create a power ogy is importar neal osteotomy	imbalance between muscle groups leading to t in operative planning. The combination of a can help create a more plantigrade ulcer free					
Format	Case Study									
Case Rpt Followup	12									
Student Club										
Classification	Diabetic Foot									
Level of Evidence	Level IV									
Authors/Financial D	isclosures									
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):					
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Submission ID	05-00700			Ref ID CS-700					
Title	Case Study Report: Hydroxyapatite Coated Anchor Implant for Hallux Rigidus in a 62-Year-Old Female Patient								
Submit Date	09/26/2024								
Correspondent	Last Name: Taye Full Name: LTC Michael Practice/Company/Residency	Taye, DPM, FACFAS / Program:	Email: michael.t Walter Reed National Mo	aye.mil@health.mil edical Center, United States Army					
Authors	Author 1: LTC Michael Author 3: Author 5: Author 7:	Taye, DPM, FACFAS	Author 2: MAJ Kal Author 4: Author 6: Author 8:	ani A. Parker, DPM, FACFAS					
Purpose	Hallux rigidus presents a considerable challenge in forefoot surgery. This report outlines a novel approach with the hydroxyapatite coated anchor implant (HACAI) in a 62-year-old female with longstanding hallux rigidus and concurrent traumatic injury.								
Methodology									
Procedures	Patient Presentation: 62-year-old female with Stage 3 hallux rigidus with persistent pain over 10 years. MRI of the foot was obtained to assess subchondral bone and identify cystic changes and revealed central metatarsal head cystic changes. The patient was provided with two surgical options of fusion or HACAI. During the decision-making process, the patient accidentally stubbed her hallux resulting in a proximal phalangeal head comminution fracture. Given this unforeseen injury, a more comprehensive surgical plan was devised. The surgical procedure involved interphalangeal joint fusion and cheilectomy with HACAI in the 1st metatarsal head.								
Results	The HACAI presents a joint preservation option, allowing for a more natural foot movement post-operation. The concurrent identification of metatarsal cystic changes underscores the importance of MRI in the diagnostic process for hallux rigidus.								
Discussions	MRI should be a standard diagnostic tool for patients with hallux limitus or rigidus to examine the subchondral bone. The HACAI should be considered as a joint preservation option, especially for patients who have cystic changes in the metatarsal or who sustain traumatic injuries concurrent with their hallux pathology. The case illustrates the potential benefits of a multi-pronged surgical approach that incorporates the HACAI in managing hallux rigidus, especially in complex presentations. The proactive use of MRI can enhance surgical planning and potentially improve patient outcomes.								
Format	Case Study								
Case Rpt Followup	12								
Student Club									
Classification	Forefoot Reconstruction								
Level of Evidence	Level V								
Authors/Financial Di	isclosures								
Full Name:	Email:	Disclosure(s) selected:		Disclosed Organisation(s):					
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MAJ Kalani A. Parker, DPM, FACFAS	kalani.a.parker.mil@health.mil	Serve in an official capacity (other medical or podiatric org	elected or appointed) for a anization(s)	ny Podiatry Deputy Consultant for Army Surgeon General					
Submission ID	05-00701				Ref ID CS-701				
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Title	Compart	Compartment Syndrome in the Foot Induced by Hematogenous Spread of Abscess							
Submit Date	08/22/2024								
Correspondent	Last Name: Full Name: Practice/Com	Patel Niral A Pate pany/Residenc	l, MS, DPM :y Program:	Email: Ascension St.	niral1994@gmail.com Vicent - Indianapolis				
Authors	Author 1: Author 3: Author 5: Author 7:	Niral A Pate	I, MS, DPM	Author 2: Author 4: Author 6: Author 8:	Patrick A. DeHeer, MS, DPM				
Purpose	To present a c an abscess in	ase study high a patient with l	lighting the development of com MSSA bacteremia, emphasizing	partment syndr the importance	ome in the foot due to hematogenous spread of of early recognition and intervention.				
Methodology									
Procedures	Compartment Early recogni including surg importance of presentations. complex case	syndrome section is challeng gical drainage a f interdisciplina Further resear s.	ondary to hematogenous spread ging due to nonspecific symptom and fasciotomy, is crucial to prev ary collaboration and highlights rch is warranted to explore optim	of an abscess is as, necessitating vent irreversible the need for hei al diagnostic st	a rare but potentially devastating complication. a high index of suspicion. Timely intervention, tissue damage. This case underscores the ghtened clinical vigilance in managing similar rategies and treatment modalities for such				
Results	The patient un alleviation of encountered i demonstrated	The patient underwent emergent surgical procedures, including multi-compartment fasciotomies of the foot, resulting in alleviation of compartmental pressure and improvement in vascular and neurological deficits. Multiloculated abscess was encountered intraoperatively displaying a metastatic phenomena of MSSA bacteremia. Postoperative recovery demonstrated significant improvement in symptoms and limb functionality.							
Discussions	This case stud associated wi importance of understanding	This case study emphasizes the significance of prompt diagnosis and intervention in preventing severe complications associated with compartment syndrome induced by hematogenous spread of an abscess in the foot. It also underscores the importance of interdisciplinary collaboration in managing complex cases and calls for further research to enhance our understanding of optimal diagnostic and therapeutic approaches.							
Format	Case Study								
Case Rpt Followup	16								
Student Club									
Classification	Wound Care/	Infectious Dise	eases						
Level of Evidence	Level V								
Authors/Financial Di	sclosures								
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):				
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Patrick A. DeHeer, MS, DPM	padeheer@gma	il.com	I/We have nothing to disclose						

Submission ID	05-00704			Ref ID CS-704
Title	Merkel Cell Carcin	oma of the Foot: Case S	tudy and I	iterature Review
Submit Date	08/25/2024			
Correspondent	Last Name: Kung Full Name: Michelle, D Practice/Company/Residenc	PM 29 Program:	Email: Beth Israel De	mkung@bidmc.harvard.edu aconess Medical Center
Authors	Author 1: Michelle Ku Author 3: Author 5: Author 7:	ıng, DPM	Author 2: Author 4: Author 6: Author 8:	Thanh Dinh, DPM, FACFAS
Purpose	The purpose of this case stu clinical and histopathologic institution.	dy is to review current literature a al presentation, and to present a r	regarding Merk are instance of I	el cell carcinoma including etiology, diagnosis, Merkel cell carcinoma of the foot at our home
Methodology				
Procedures	62M with a PMH of congen vascular disease, chronic ob soft tissue mass to the right base and an underlying palp Radiographs revealed a mul lobulated subcutaneous lesi	ital hearing loss, cerebral palsy, structive pulmonary disorder, uri heel. Physical exam of the right f able firm soft tissue mass that wa tilobulated fullness without any u ons along the lateral hindfoot and	developmental of nary incontinen foot revealed an as tender upon p inderlying ossed midfoot.	lelay, hypertension, hyperlipidemia, peripheral ce and hepatitis C presenting with a painful open lesion to the lateral heel with a granular salpation. Neurovascular status was intact. ous abnormality. MRI demonstrated multiple
Results	Histopathological assessme	nt of the surgically resected speci	men revealed N	ferkel cell carcinoma
Discussions	Merkel cell carcinoma (MC violaceous, firm, dome-shap aspect of the right heel. Giv multimodal approach throug chemotherapy. This case em	C) is a rare and aggressive form of bed lesion typically found on sum- en its high recurrence rate, metas gh wide excision, lymph node bio uphasizes the importance of such	of carcinoma of exposed areas. tatic risk and m psy, routine PE an approach in	the skin that presents as a rapidly growing, We present a rare case of MCC to the lateral ortality rate, management of MCC involves a T CT scan imaging, radiation and cytotoxic diagnosing, treating and managing MCC.
Format	Case Study			
Case Rpt Followup	12			
Student Club				
Classification	Soft Tissue/Tumor			
Level of Evidence	Level IV			
Authors/Financial Di	isclosures			
Full Name:	Email:	Disclosure(s) selected:		Disclosed Organisation(s):
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Submission ID	05-00709					Ref ID CS-709			
Title	Revision	Revision Total Talus Replacement Due to Recurrent Deformity: A Case Report							
Submit Date	08/26/2024								
Correspondent	Last Name: Full Name: Practice/Com	Regal Andrew J Reg pany/Residency	gal, DPM, AACFAS Program:	Email: Indy Foot and	regal.dpm@gr Ankle - Recons	nail.com tructive Surgical Fellowship			
Authors	Author 1: Author 3: Author 5: Author 7:	Andrew J Reg Kalen Farr, D Douglas K Bl	gal, DPM, AACFAS PM, AACFAS acklidge, DPM FACFAS	Author 2: Author 4: Author 6: Author 8:	Zachary Hill, I Donald McDo	DPM, AACFAS nald, DPM AACFAS			
Purpose	Avascular nec Operative trea development improved ove modular comp	Avascular necrosis (AVN) of the talus is a significantly debilitating condition which continues to be difficult to treat. Operative treatment frequently necessitates ankle and/or hindfoot arthrodesis. 3D printing advancements have allowed for development of custom prosthesis, including talar replacements, to address significant bone voids. These prostheses have improved over time, with modern implants replacing the entire talus and allowing for many modifications including modular components. Revisional total talus replacements have not been well described.							
Methodology									
Procedures	47 year old fe post total talu: removal and r address recurr	47 year old female patient who has undergone a revision total talus replacement due to recurrent deformity and pain status post total talus replacement with talonavicular fusion and flatfoot reconstructive osteotomies. Procedures: Hardware removal and replacement of total talus prosthesis, talonavicular and subtalar joint arthrodesis. These were performed to address recurrent deformity, hindfoot pain, and to prepare for possible future procedures including total ankle replacement.							
Results	Improved fun ambulating ut	Improved function and alignment with questionable radiographic osseous integration at final follow-up. She is now ambulating utilizing a fixed AFO.							
Discussions	As 3D printed be required. V a revisional to allow for futu	As 3D printed custom total prostheses become more popular and complications are encountered, revisional procedures will be required. We present a case of recurrent pes planus deformity and chronic pain in the hindfoot successfully treated with a revisional total talus implant constrained to the navicular and calcaneus. The implant includes modular capabilities to allow for future procedures such as implantation of total ankle replacement tibial tray with polyethylene.							
Format	Case Study								
Case Rpt Followup	34								
Student Club									
Classification	Rearfoot and	Ankle Reconstru	action						
Level of Evidence	Level IV								
Authors/Financial Di	sclosures								
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):			
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Kalen Farr, DPM, AACFAS	kalen_farr@ahn	i.com	Consultant/Advisor/Speaker	(List all affiliatio	ons)	Enovis Medical			
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Submission ID	05-00711				Ref ID CS-711		
Title	A Typhus Ai	mong Us: An	Introduction to	a Rare Ric	kettsia typhi Infection #2		
Submit Date	08/27/2024						
Correspondent	Last Name: A Full Name: A Practice/Compan	rmstrong Ilexandria, A, Arm y/Residency Prog	istrong, DPM PGY2 ram:	Email: University	armstronga4@uthscsa.edu of Texas Health Science Center San Antonio		
Authors	Author 1: A Author 3: Author 5: Author 7:	lexandria, A, Arm	strong, DPM PGY2	Author 2: Author 4: Author 6: Author 8:			
Purpose	Rickettsia typhi i practices, inciden limiting, beginnii potentially death.	s a flea-borne dise nee has dropped to ng as fever, chills,	ase most noted for the c less than 100 cases rep malaise which resolve i	disease murine orted annually in 99% of cases	typhus seen worldwide. With pest prevention across the United States. Most cases are self- s, with 1% of cases causing systemic illness and		
Methodology							
Procedures	A 35-year-old ma and septic shock. 120s, CRP 19.30 Patient was trans	ale with no PMH p Patient presents v and WBC 9.79. P ferred from ED to	presents to the ED from with gangrene of his han atient notes he was bitte the floor to be monitore	OSH where he ids and feet fro on by a flea fro ed for potential	spent 3 weeks intubated for disseminated Typhus m pressor use. Upon presentation, BP 126/62, HR m a cat at his friends house approx 2 weeks prior. surgical intervention.		
Results	Decision was ma patient had his b/ skin grafts and w was then discharg discharge from h	Decision was made to wait until demarcation of pressor induced gangrene for b/l lower extremities. During this time, patient had his b/l hands amputated. After initial b/l TMAs patient had multiple surgical debridement's with application of skin grafts and wound VAC which eventually lead to b/l Chopart amputations with intramedullary rod insertion. Patient was then discharged and seen in podiatry clinic. s/p debridement's in clinic patient healed approximately 1 month after discharge from hospital.					
Discussions	Rickettsia typhi i with a multidisci	s a rare flea-borne plinary team appro	disease which often tak bach is necessary to incr	tes multiple tes rease quality of	ts to be recognized. Proper surgical management life from pressor induced gangrene.		
Format	Case Study						
Case Rpt Followup	13						
Student Club							
Classification	Wound Care/Infe	ctious Diseases					
Level of Evidence	Level IV						
Authors/Financial D	isclosures						
Full Name:	Email:	Discl	osure(s) selected:		Disclosed Organisation(s):		
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Submission ID	05-00713				Ref ID CS-713				
Title	Managem	ent of A D	egloved Injury of Post	erior Heel A	After Severe Foot Crush Injury				
Submit Date	09/02/2024								
Correspondent	Last Name:	Tran Nhan I - Trai	DPM MRS	Email	tran1n1@cmich edu				
	Practice/Comj	oany/Residenc	y Program:	Central Mich Residency	igan University Podiatric Medicine & Surgery				
Authors	Author 1:	Derek R. Tes	soro DPM FACFAS	Author 2:					
	Author 3:			Author 4:					
	Author 5:			Author 6:					
	Author 7:			Author 8:					
Purpose	Degloving inj accidents. Ho In this case stu detachment fr	Degloving injuries involving foot and ankle are often seen in high-energy trauma such as crush injuries or motor vehicle accidents. However, degloving injury to the posterior heel is very rare and not well reported in orthopedic trauma literature. In this case study, we present a salvage strategy for an open injury to the foot and ankle with full-thickness soft tissue detachment from posterior heel.							
Methodology									
Procedures	A 66-year-old posterior heel. small avulsior and minimally management i applied for 2 v closure of the	A 66-year-old male presented to the ED with a crush injury to his left foot that had resulted in a degloving injury of the posterior heel. Furthermore, radiographic imaging also revealed non-displaced distal phalanx fracture of the left hallux, small avulsion fracture of posteromedial of the left talus, small fracture fragment of the anterior process of the calcaneus and minimally displaced oblique fracture of the proximal left fibular. No tendon or arterial injury was noted. The initial management involved irrigation and debridement of necrotic tissues. Negative pressure wound therapy (NPWT) was applied for 2 weeks. Subsequently, Kerecis MariGen fish-skin graft and local wound care were employed to promote closure of the soft tissue defect at the left posterior heel.							
Results	At 13-month t was able to an	ollow up, pation	ent's degloved injury to the left thaving discomfort or weaknes	posterior heel w s to the left foot	vas fully closed without complications. Patient				
Discussions	In conclusion, xenograft prov	the combinati vided a good fu	on of early negative pressure w unctional and cosmetic outcome	ound therapy (Ne to the deglovin	IPWT), local wound care and application of g injury of posterior heel.				
Format	Case Study								
Case Rpt Followup	12								
Student Club									
Classification	Trauma								
Level of Evidence	Level V								
Authors/Financial Di	sclosures								
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-00715				Ref ID CS-715			
Title	Remote Care to receive dir	e for wounds ect care due	using super absor to social or econo	rbent polyn mical disac	ner dressings for patients unable Ivantages			
Submit Date	09/01/2024							
Correspondent	Last Name: Ab	oukhieran						
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	Practice/Company	/Residency Prog	ram:	Scripps Mercy	Hospital/ PGY-2 resident			
Authors	Author 1: Tre	ent Brookshier, D	PM	Author 2:	Ibrahim Abukhieran, DPM			
	Author 3:			Author 4:				
	Author 5:			Author 6:				
	Author 7:			Author 8:				
Purpose	Lower extremity v in healing due to p an effective solutio suitable for home access. This resear disadvantaged pati	Lower extremity wounds, especially in patients with diabetes, vascular disease, or other chronic conditions, face challenges in healing due to poor blood flow, infection, mechanical stress, and socioeconomic barriers. Superabsorbent dressings offer an effective solution by managing wound exudate, reducing infection risk, and promoting healing. They are easy to use, suitable for home care, and minimize the need for frequent changes, making them ideal for patients with limited healthcare access. This research aims to assess the effectiveness of these dressings in improving outcomes for socioeconomically disadvantaged patients.						
Methodology								
Procedures	This study followe and other comorbi especially for thos	ed 12 patients over dities were treate we with limited ca	er 24 months focusing on d with Zetuvit. Wound he re access	5 cases. Patient aling progress	s with diabetes, peripheral vascular disease, was measured from initial to final visits,			
Results	Superabsorbent po complications like the need for freque potential as an effe	olymer dressings infections. Patie ent doctor visits. ective wound car	showed significant benefi nts experienced greater or These dressings played a e solution.	ts, including rec omfort and conv crucial role in p	duced wound size, improved healing, and fewer enience with fewer dressing changes, reducing romoting tissue repair, highlighting its			
Discussions	Superabsorbent po infection risk, and like IL-1, TNF, an- size, enhance heali	olymer dressings minimizing dres d MMPs are cruc ing, and lower co	improve healing in non-h sing changes, which bene tial in identifying healing mplications, making then	ealing wounds b fits patients wit potential. Our s n valuable for p	by effectively managing exudate, reducing h limited healthcare access. Key biomarkers tudy showed that these dressings reduce wound atients with limited access to medical care			
Format	Case Study							
Case Rpt Followup	24							
Student Club								
Classification	Wound Care/Infec	tious Diseases						
Level of Evidence	Level IV							
Authors/Financial I	Disclosures							
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):			
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Submission ID	05-00716	ì			Ref ID CS-716
Title	Tumor N	ecrosis Fact	or- Alpha (TNF	- α) Inhibitor In	duced Podiatric Pustular Psoriasis
Submit Date	09/02/2024				
Correspondent	Last Name: Full Name: Practice/Cor	correale Celina, L, Cor npany/Residency	rreale, DPM Program:	Email: NYU Grossi	celina.correale@nyulangone.org nan Long Isalnd School of Medicine
Authors	Author 1: Author 3: Author 5: Author 7:	Celina, L, Cor	rteale, DPM	Author 2: Author 4: Author 6: Author 8:	
Purpose	This reports eruptions. T them on effe therapeutic s	serves to bring av his study aims to exclive treatments. strategies in the m	wareness to common s assist physicians in re By highlighting this c anagement of this con	side effects of TNF- α in cognizing the adverse e hallenge, this case repo- idition.	hibitor agents, including pustular psoriatic ffects of TNF-α inhibitor agents and inform rt aims to increase efforts towards advancing
Methodology					
Procedures	This is a 52- both plantar Infliximab. pain. The les psoriasis and	year-old female v feet. The patient i Upon examination sions appeared sho l it's treatment, hi	who presented to the e reported a history of r n, numerous erythema ortly after the initiation ighlights the complexit	mergency room with a heumatoid arthritis bein tous pustules were obson of anti-TNF- α therap ity of managing this adv	sudden outbreak of pustular lesions affecting ag managed with anti-TNF- α inhibitor agent, rrved on bilateral feet, accompanied by severe y. Literature on anti-TNF- α induced pustular verse reaction.
Results	The patient wound care controlled the	was discharged fro consisting of mup le pustular psorias	om the hospital on ora birocin and dry sterile sis.	al retinoids and methotr dressing to the lesions.	exate. The patient was to continue with local The patient was started on Rinovoq which has
Discussions	Studies have Managemen phototherapy for further re	e noted the occurr t typically entails y, or immunosupp esearch to refine t	ence of pustular psori discontinuation of the pressants. However, cl herapeutic strategies f	asis in patient's undergo e anti-TNF-α agent and nallenges persist in reso for the treatment of this	ing treatment with anti-TNF-α agents. initiation of topical corticosteroids, lution of symptoms, emphasizing the necessity adverse reaction.
Format	Case Study				
Case Rpt Followup	13				
Student Club					
Classification	Wound Care	/Infectious Disea	ses		
Level of Evidence	Level IV				
Authors/Financial D	Disclosures				
Full Name:	Email:		Disclosure(s) select	ed:	Disclosed Organisation(s):
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Submission ID	05-00721 Ref ID							
Title	All Arthro	All Arthroscopic Brostrom Repair using Bio-Inductive Biocomposite Scaffold Graft						
Submit Date	10/08/2024							
Correspondent	Last Name: Full Name: Practice/Comp	Verdoni Tyler J. Verdo oany/Residency	ni, DPM AACFAS Program:	Email: Florida Ortho	tyler.verdoni@gmail.com pedic Foot and Ankle Center (FLOFAC)			
Authors	Author 1: Author 3: Author 5: Author 7:	Tyler J. Verdo James M. Cot	ni, DPM AACFAS tom, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Jay S. Badell, DPM FACFAS			
Purpose	To describe th	e use of a bio-ir	aductive biocomposite scaffold	graft for an all	arthroscopic brostrom repair			
Methodology								
Procedures	Suture tape au decade. Recen which more cl scaffold graft arthroscopy ar approach.	Suture tape augmentation has become the gold standard for lateral ankle stabilization with augmentation over the past decade. Recently, biologic synthetic ligaments have been used for augmentation of the ATFL due to its nature of elasticity which more closely mimics the native ligament. In this case report, we present the use of the bio-inductive biocomposite scaffold graft during an all arthroscopic brostrom repair. The procedure was done in standard fashion after adequate ankle arthroscopy and utilizing the bio-inductive biocomposite scaffold graft, the ATFL repair was augmented with an all inside approach.						
Results	We present a s utilizing a bio	We present a 59 year old female with chronic ankle instability who underwent a successful all arthroscopic brostrom repair utilizing a bio-inductive biocomposite scaffold graft.						
Discussions	The use of a b has the tensile collagenous na stabilization. T graft for latera ankle surgeon	The use of a bio-inductive biocomposite scaffold graft in lateral ankle stabilization has proven beneficial. While the graft has the tensile strength to augment and protect the ATFL repair, its ability to promote healing of the ligament due to its collagenous nature helps reinforce the repair. In our practice, we routinely use an all arthroscopic approach for lateral ankle stabilization. This case report is the first of its kind to describe the use of this novel bio-inductive biocomposite scaffold graft for lateral ankle stabilization using an all arthroscopic approach. As technology continues to advance the foot and any head stabilization approach bard utilize product that most checked union require the article article article and the stabilized product that most checked union the protect that most checked union the prime trained is a stabilized by the stabilized						
Format	Case Study							
Case Rpt Followup	12							
Student Club								
Classification	Arthroscopy							
Level of Evidence	Level IV							
Authors/Financial Di	sclosures							
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):			
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Submission ID	05-00724			Ref ID CS-724					
Title	Eccrine Poror	Eccrine Poroma of the Foot: An Atypical Presentation							
Submit Date	09/05/2024								
Correspondent	Last Name: Tra	n							
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	Practice/Company/	Residency Program:	St. Francis N	Iedical Center					
Authors	Author 1: Day	vid V. Tran, DPM, FACFAS	Author 2:	Nghia V. Tran, MD					
	Author 3:		Author 4:						
	Author 5:		Author 6:						
	Author 7:		Author 8:						
Purpose	We sought to highli immunocompromis	We sought to highlight a soft tissue tumor of the foot, seen with aberrant size secondary to the patient's underlying immunocompromised status.							
Methodology									
Procedures	A 68-year-old male present for at least for long durations of	presented with a painful soft tissue m 7 years and was noted to have increase r ambulate for ADLs has brought the	ass on the central ed in size and pair patient to seek tre	, plantar aspect of the foot. The mass has been a over the past 6 months. The inability to stand atment.					
Results	The mass was excis was determined to b year follow up, the	ed and measured 4.0 x 3.5cm x 1.0cm be a pendulating eccrine poroma. The patient is ambulating without pain or a	. Histopathology patient's wound v recurrence of the	confirmed complete excision of the mass which vas closed with a local rotational flap. At one lesion.					
Discussions	In primary skin lesi poromas are believe the plantar foot, how case highlights a un aberrant growth is l	In primary skin lesions, sweat gland tumors account for approximately 1% of all cases, whereas eccrine and apocrine poromas are believed to account for approximately 10%. There have been several case reports of eccrine poromas found on the plantar foot, however the largest reported case of an eccrine poroma measured 2.5cm x 2.0cm with a base 0.5cm. This case highlights a unique presentation of a pendulating tumor nearly twice as large as has been previously reported. This aberrant errowth is likely precinitated by the patient's underlying impunctometry indicating the plantar foot.							
Format	Case Study								
Case Rpt Followup	12								
Student Club									
Classification	Soft Tissue/Tumor								
Level of Evidence	Level IV								
Authors/Financial D	isclosures								
Full Name:	Email:	Disclosure(s) selected:		Disclosed Organisation(s):					
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Submission ID	05-00727				Ref ID CS-727				
Title	Surgical N and Synda	Surgical Management of Malignant Skin Lesions of the Webspace with Wide Excision and Syndactylization							
Submit Date	09/07/2024								
Correspondent	Last Name:	Mahadai							
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	Practice/Comp	any/Residence	y Program:	University of	Cincinnati Medical Center				
Authors	Author 1:	Adena Maha	adai, DPM	Author 2:	Michael McKerson, DPM				
	Author 3:	Sameer Pate	l, MD	Author 4:	Michael Liette, DPM, FACFAS, ABPM				
	Author 5:			Author 6:					
	Author 7:			Author 8:					
Purpose	To discuss the cancers located overlooked. W immunocomp	To discuss the utility of syndactylization as a primary soft tissue reconstructive option after the wide local excision of skin cancers located within the webspace. Interdigital lesions are often associated with benign conditions and may frequently be overlooked. We aim to bring awareness to the increased frequency of these lesions encountered in the immunocompromised patient population as well as the appropriate diagnosis and treatment of these skin cancers.							
Methodology									
Procedures	Two immunoc followed by sy	Two immunocompromised patients with skin cancer located within the webspace who underwent wide local excision followed by syndactylization of the adjacent digits.							
Results	Successful sof	Successful soft tissue reconstruction after wide local excision of malignancy via syndactylization of adjacent digits.							
Discussions	Syndactylizati stabilize adjac local excision encountered ir syndactylizatio morbidity.	Syndactylization is a commonly used surgical procedure performed to treat various interdigital skin lesions as well as stabilize adjacent toes. This procedure may additionally be utilized to reconstruct webspace soft tissue deficits after wide local excision of malignant tumors. Malignancy of the lower extremity is often considered rare, but more frequently encountered in patients with immunocompromise, including those with HIV. Expedited soft tissue coverage via syndactylization may provide additional value in this patient population to minimize risk of infection and additional patient morbidity.							
Format	Case Study								
Case Rnt Followun	15								
Student Club									
Classification	Soft Tissue/Tu	imor							
Level of Evidence	Level V								
Authors/Financial Di	sclosures								
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-00728				Ref ID CS-728
Title	SAPHO S Study	Syndrome N	Mimicking Acute O	steomyelitis ir	the Lower Extremity: A Case
Submit Date	09/07/2024				
Correspondent	Last Name: Full Name: Practice/Com	Dhawan Gurdrishti, D pany/Residency	hawan, DPM, MPH y Program:	Email: Beth Israel D	gdhawan@bidmc.harvard.edu eaconess Medical Center Boston
Authors	Author 1: Author 3: Author 5: Author 7:	Gurdrishti, D John, T, Mar	hawan, DPM, MPH coux, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Shadi, Mattar, DPM
Purpose	SAPHO sync mimicking ac as potential d	lrome is a rare c cute osteomyeli lifferential diagr	lisorder characterized by os is in the foot and emphasiz oses, particularly when co	sseous and dermatol te the importance of nventional treatmen	ogical symptoms. We present a case of SAPHO recognizing atypical rheumatological diseases ts have proven ineffective.
Methodology					
Procedures	27F PMHx e fifth digit. Tw vesicular rash of drainable t antibiotics w status with en present on pa early osteom ultrasound.	xertional compa vo weeks prior t in eruption on the fluid collection. ith recurrence o sythema and ede ussive and active yelitis, revealing	rtment syndrome, childhoo o presentation, patient was e affected digit. Inpatient in Patient remained afebrile v f symptoms upon discharge ma to the right fifth digit. 1 e range of motion of the fift g osteitis without evidence	od eczema, and cyst hospitalized and tre naging was inconcl with no abnormal la e. Physical examina No open lesions or p h MTPJ without cre of synovitis or teno	ic acne presenting to clinic with a painful right atted with IV antibiotics for cellulitis and usive for osteomyelitis and showed no evidence by values. Patient was discharged on oral tion in clinic revealed intact neurovascular alpable fluid collections were noted. Pain was epitus. A repeat MRI remained inconclusive for synovitis. These findings were confirmed by
Results	Patient concu rheumatolog Methotrexate	urrently develop y. Rheumatolog y, and Plaquenil	ed new-onset dermatologic y workup was positive for t treatment.	e, orthopedic, and pu SAPHO, and the pa	Ilmonary symptoms and was referred to tient responded positively to NSAID, Humira,
Discussions	Standardized It is essential evaluation.	diagnostic and to consider Rho	treatment criteria for SAPI eumatologic diseases as po	HO are limited, and tential differential d	further research is needed for optimal outcomes. iagnoses during a comprehensive podiatric
Format	Case Study				
Case Rpt Followup	36				
Student Club					
Classification	Wound Care/	Infectious Dise	ases		
Level of Evidence	Level IV				
Authors/Financial D	isclosures				
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):
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Submission ID	05-00730				Ref ID CS-730			
Title	Not Your A	Not Your Average Mass: A Rare Case of Soft Tissue Chondroma in the Foot						
Submit Date	09/09/2024							
Correspondent	Last Name: Full Name: Practice/Comp	Dhawan Gurdrishti, D any/Residency	hawan, DPM, MPH / Program:	Email: Beth Israel I	gdhawan@bidmc.harvard.edu Deaconess Medical Center Boston			
Authors	Author 1: Author 3: Author 5: Author 7:	Michelle, Ku John, T, Maro	ng, DPM coux, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Gurdrishti, Dhawan, DPM, MPH			
Purpose	To present a ca	se of a rare so	ft tissue chondroma in the fe	oot				
Methodology								
Procedures	49M presenting size. Patient un of the left foot aspect of the se Neurovascular demonstrated a biopsy	g with painful derwent unsu revealed a pal cond metatars status was inta mass adjacen	soft tissue mass at the ball d ccessful aspiration of the ST pable, firm soft tissue mass, al. There were no overlying act. Radiographs revealed a t to the FDL tendon of the s	of his left foot, on M with failed tree approximately 2 skin changes and small area of calc econd digit. As a	going for one year chronicity with no increase in atment with prednisone at OSH. Physical exam cm in diameter, beneath the dermis of the plantar it he mass was not tender to palpation. ification in the area of the soft tissue mass. MRI result, patient underwent surgical excisional			
Results	Histopathologi	cal assessmen	t of the surgically resected s	pecimen revealed	a soft tissue chondroma			
Discussions	Soft tissue chor attached to und histology. Due the plantar aspo location, size, a procedure for b	Soft tissue chondroma (STC) is a rare clinical pathology that is characterized by several unique features: 1. Benign, 2. Not attached to underlying bone, 3. Slow growing, 4. No predilection for specific age or sex, 5. Characteristic cell atypia on histology. Due to its low incidence, the diagnosis of STC can often be overlooked. We present a case of STC localized to the plantar aspect of the second MTPJ. Recurrence rates for STC post-excision range from 15% to 25% and vary based on location, size, and quality of surgical excision. This case emphasizes the importance of surgical excision as a definitive presenter for the the overlooked.						
Format	Case Study							
Case Rpt Followup	12							
Student Club								
Classification	Soft Tissue/Tu	mor						
Level of Evidence	Level IV							
Authors/Financial D	oisclosures							
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):			
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Submission ID	05-00732			Ref ID CS-732				
Title	Tibial Nerve External Neurolysis with Nerve Wrap and Flatfoot Correction for Revision Tarsal Tunnel Surgery							
Submit Date	09/09/2024							
Correspondent	Last Name: Liette Full Name: Michael Practice/Company/Resid	D Liette FACFAS dency Program:	Email: University o	mliettedpm@gmail.com f Cincinnati				
Authors	Author 1:Bryce YAuthor 3:Zoe DolAuthor 5:MichaelAuthor 7:	amat, DPM Icimascolo, DPM D. Liette, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Adena Mahadai, DPM Richard Laughlin, MD				
Purpose	To identify and bring re simultaneously address	cognition to the potential multific contributing pathologies while p	actorial etiology of performing nerve re	tarsal tunnel syndrome and the need to elease.				
Methodology								
Procedures	Thirty-three-year-old fe flatfoot reconstruction. I examination, radiograph	male undergoing revision tarsal Procedures performed after appr 1s, MRI, and diagnostic block.	tunnel with externa opriate clinical and	al neurolysis/nerve wrap and simultaneous d diagnostic testing including: clinical				
Results	No recurrence of sympt	No recurrence of symptoms at this time.						
Discussions	Tarsal tunnel syndrome although clinical symptu identifying cause may b deformity. Underlying v contributing to increase inadequate patient outco proper treatment is perfe	Tarsal tunnel syndrome is a complex, potentially multifactorial disorder. Patients typically present with paresthesia although clinical symptoms may vary widely and lead to misdiagnosis. There is a slight female predilection, 56%. An identifying cause may be seen in 60-80% of cases, including: trauma, space occupying lesions, fibrosis, or hindfoot deformity. Underlying valgus deformities may play a significant role in the symptoms of tarsal tunnel syndrome, contributing to increased tension on the nerve. Failure to identify and correct other contributing pathologies may lead to inadequate patient outcomes. Revision cases require detailed physical examination and diagnostic modalities to ensure proper tratement is preformed but sufference and the symptome detailed physical examination and bignostic modalities to ensure						
Format	Case Study							
Case Rpt Followup	24							
Student Club Classification Level of Evidence	Neurological/Peripheral Level V	Nerve Disorders						
Authors/Financial D	isclosures							
Full Name:	Email:	Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-00735				Ref ID CS-735				
Title	Utilizing S	Utilizing Spare Part Technique to Aid in Complex Wound Reconstruction							
Submit Date	09/09/2024	09/09/2024							
Correspondent	Last Name: Full Name: Practice/Comj	Liette Michael D. I pany/Residenc	Liette, FACFAS y Program:	Email: University of	mliettedpm@gmail.com 'Cincinnati Medical Center				
Authors	Author 1: Author 3: Author 5: Author 7:	Zoe Dolcima Suhail Masad Michael D. I	uscolo, DPM deh, DPM, FACFAS Liette, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Bryce Yamat, DPM Zachary Washburn, DPM				
Purpose	To present a c necrotizing in	ase of limb sal fection.	vage utilizing spare parts surge	ry to aid in cove	rage of a large soft tissue deficit after a				
Methodology									
Procedures	A forty-three- deficit. Spare	year-old patien parts technique	nt with necrotizing fasciitis under e utilized to reduce patient more	ergoing serial de bidity and retain	bridements resulting in a large soft tissue function.				
Results	Successful sal soft tissue cov	Successful salvage of the foot after surgical management of necrotizing fasciitis utilizing spare part techniques to aid in soft tissue coverage.							
Discussions	Necrotizing fa morbidity or r results in large areas of the ex digital fillet fl reconstruction joints has been	Necrotizing fasciitis is a rapidly progressive infection that often results in large soft tissue deficits, amputation, significant morbidity or mortality. This infection requires emergent surgical debridement and the end result of these surgeries often results in large soft tissue defects with complex wounds. "Spare parts" surgery utilizes viable tissue from non-salvageable areas of the extremity to aid in coverage of these defects. Several types of "spare parts" have been described and include digital fillet flaps, full thickness skin grafts, and free flaps. This surgical technique has been utilized in oncologic reconstruction, post-infectious reconstruction and post-traumatic reconstruction. The use of full thickness skin grafts over invite the parts in the parts of the parts of the parts in the parts of the pa							
Format	Case Study								
Case Rpt Followup	16								
Student Club Classification Level of Evidence	Diabetic Foot Level V								
Authors/Financial Dis	sclosures								
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):				
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Michael D. Liette, DPM,									

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Submission ID	05-00736				Ref ID CS-736				
Title	Surgical M and Synda	Surgical Management of Malignant Skin Lesions of the Webspace with Wide Excision and Syndactylization in Immunocmopromised Patient							
Submit Date	09/09/2024								
Correspondent	Last Name: Full Name: Practice/Comr	Liette Michael D. I pany/Residenc	Liette, DPM, FACFAS	Email: University of	mliettedpm@gmail.com Cincinnati Medical Center				
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Purpose	To discuss the cancers locate overlooked. W immunocomp	To discuss the utility of syndactylization as a primary soft tissue reconstructive option after the wide local excision of skin cancers located within the webspace. Interdigital lesions are often associated with benign conditions and may frequently be overlooked. We aim to bring awareness to the increased frequency of these lesions encountered in the immunocompromised patient population as well as the appropriate diagnosis and treatment of these skin cancers.							
Methodology									
Procedures	Two immunoc followed by sy	Two immunocompromised patients with skin cancer located within the webspace who underwent wide local excision followed by syndactylization of the adjacent digits.							
Results	Successful sof	Successful soft tissue reconstruction after wide local excision of malignancy via syndactylization of adjacent digits.							
Discussions	Syndactylizati stabilize adjac local excision encountered ir syndactylizatio morbidity.	Syndactylization is a commonly used surgical procedure performed to treat various interdigital skin lesions as well as stabilize adjacent toes. This procedure may additionally be utilized to reconstruct webspace soft tissue deficits after wide local excision of malignant tumors. Malignancy of the lower extremity is often considered rare but more frequently encountered in patients with immunocompromise, including those with HIV. Expedited soft tissue coverage via syndactylization may provide additional value in this patient population to minimize risk of infection and additional patient morbidity.							
Format	Case Study								
Case Rpt Followup	15								
Student Club									
Classification	Soft Tissue/Tu	imor							
Level of Evidence	Level V								
Authors/Financial D	isclosures								
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-00737				Ref ID CS-737				
Title	A Rare C First Met	A Rare Case of Skeletal Sarcoidosis in the Foot Causing a Symptomatic Degenerative First Metatarsophalangeal Joint							
Submit Date	09/09/2024								
Correspondent	Last Name:	Dolcimascol	0						
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Purpose	To present a r and first meta	Fo present a rare case of a sarcoid cystic lesion in the first metatarsal head and its symptomatic management with excision and first metatarsophalangeal joint arthrodesis.							
Methodology									
Procedures	A fifty-year-c first metatars metatarsopha	old female with al head with pa langeal joint ar	painful degenerative first r thology confirmed sarcoid throdesis and autogenous b	netatarsophalangea lesion. Procedures one graft harvest.	l joint and an associated large cystic lesion to the include excision of bone cyst, first				
Results	Pathology con first metatars	Pathology confirmed noncaseating granuloma of excised bone lesion consistent with sarcoidosis. Successful fusion of the first metatarsophalangeal joint with resolution of pain upon last follow up.							
Discussions	Sarcoidosis is the disease. T approximately permeative ap granulomas th our case, caus diagnostician	Sarcoidosis is a multisystem granulomatous disease with pulmonary involvement being the most common manifestation of the disease. The occurrence of bony involvement of sarcoidosis has been reported as ranging from 3-13% of patients, with approximately 50% being asymptomatic lesions. The bone lesions can have different morphologies including more permeative appearance, lytic lesions, or sclerotic lesions. The hallmark of the pathology for these lesions are noncaseating granulomas that are non-necrotizing in nature. This is an uncommon lesion with only a few reported in case studies and in our case, caused a symptomatic degenerative joint. Though this is an exceedingly rare finding, foot and ankle diagnosticings chould keen this on their different local in for use to finuse the set.							
Format	Case Study								
Case Rpt Followup	12								
Student Club									
Classification	Soft Tissue/T	umor							
Level of Evidence	Level V								
Authors/Financial D	isclosures		Disalamma(a) salastadi		Displaced Operation(a)				
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Submission ID	05-00741				Ref ID CS-741				
Title	Restoratio Infected L	Restoration of Medial Column Length with Ipsilateral Fibular Strut Graft Following Infected Lapidus Non-union							
Submit Date	10/07/2024								
Correspondent	Last Name:	Tiberi							
	Full Name: Practice/Comj	Lee pany/Residency	y Program:	Email: Kent Hospital	ltiberi14@gmail.com				
Authors	Author 1: Author 3: Author 5: Author 7:	Lee Tiberi Douglas J. G	ilod, DPM	Author 2: Author 4: Author 6: Author 8:	Alexander A. Trottier, DPM				
Purpose	To provide alt bunionectomy column shorte	To provide alternatives for maintaining medial column length for revision of infected and or non-union of lapidus bunionectomy. Ipsilateral fibular graft offers bulk autograft to preserve length in reconstruction of excessive medial column shortening which would otherwise have limited options.							
Methodology									
Procedures	Revision surg Primary option their own shor an infected lap uses ipsilatera as a cost effec reconstruction	ery for lapidus ns for maintair tcomings inclu bidus non-unio l fibular autogr tive alternative a cases.	non-union is challenging and car ning length include autograft/allog uding graft resorption, expense, n n which presented with nearly 3. raft sectioned into struts which fi e of harvesting a large quantity of	n be complicate graft bone block nal/non-union, o 0 cm bone void 11 the deficit of f autograft in or	d by significant medial column shortening. k arthrodesis and 3d-printed cages which have donor site morbidity, etc. This case highlights following source control. Our novel technique the corresponding void. This solution serves der to restore length in salvage medial column				
Results	Following rec minimal ossec Despite nonco normal, asymj	Following reconstruction, serial radiographic imaging was performed with index CT obtained at 10 weeks showing minimal osseous bridging at the graft interface. Patient was advised to remain NWB until further consolidation was noted. Despite noncompliance, repeat CT at 7 months showed graft incorporation with osseous bridging. She has since returned to normal, asymptomatic weight bearing in diabetic shoes.							
Discussions	Cases with sig Research is lin viable, autoge	mificant media nited with resp nous bone for	al column shortening present as a beet to void-filling alternatives in salvage medial column reconstru	reconstructive of setting of large ction.	challenge with few alternatives for salvage. bone loss. Ipsilateral fibular graft provides				
Format	Case Study								
Case Rpt Followup	13								
Student Club									
Classification	Forefoot Reco	onstruction							
Level of Evidence	Level IV								
Authors/Financial Di	sclosures								
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Submission ID	05-00747			Ref ID CS-747					
Title	Schwannomas of the	Schwannomas of the Foot and Ankle: A Case Study and Literature Review							
Submit Date	09/13/2024								
Correspondent	Last Name: Dhawan Full Name: Gurdrishti, Practice/Company/Resider	Dhawan, DPM, MPH ncy Program:	Email: Beth Israel I	gdhawan@bidmc.harvard.edu Deaconess Medical Center - Boston					
Authors	Author 1: Gurdrishti, Author 3: Author 5: Author 7:	Dhawan, DPM, MPH	Author 2: Author 4: Author 6: Author 8:	Thanh, Dinh, DPM, FACFAS					
Purpose	To present two rare cases of challenges, and surgical m	of schwannomas occurring in th anagement	e foot and ankle,	highlighting clinical presentation, diagnostic					
Methodology									
Procedures	Schwannomas are benign myelination of peripheral i usually encountered in the ankle. We present two case dorsal cutaneous nerve.	peripheral nerve sheath tumors nerves. These slow-growing, en head, neck, and upper extremit es of schwannoma in the foot ar	originating from capsulated tumo ies. Schwannom ad ankle associate	Schwann cells which are responsible for the rs can develop from any peripheral nerve but are as are infrequently encountered in the foot and ed with the lateral plantar nerve and medial					
Results	Excisional biopsy of soft t	issue mass with histopathologic	al assessment of	the resected specimen revealed schwannoma					
Discussions	Schwannomas, though rare Their benign nature, coupl The preferred treatment fo essential to preserve or opi less than 5%, with most pa observed in conditions suc schwannomas successfully atypical locations and the lesions.	Schwannomas, though rare in the lower extremity, should be considered in the differential diagnosis of soft tissue masses. Their benign nature, coupled with their slow-growing and often asymptomatic presentation, can lead to diagnostic delays. The preferred treatment for schwannoma is surgical excision. Careful dissection of the tumor from surrounding nerves is essential to preserve or optimize nerve function. The recurrence rate of schwannomas after surgical excision is typically less than 5%, with most patients achieving favorable postoperative outcomes. However, higher recurrence rates are observed in conditions such as NF2 or schwannomatosis, as seen in this case study. We present two rare cases of pedal schwannomas successfully treated with surgical excision, emphasizing the importance of identifying schwannomas in atypical locations and the need for diligent outpatient follow-up to monitor for recurrence or the development of new							
Format	Case Study								
Case Rpt Followup	12								
Student Club									
Classification	Soft Tissue/Tumor								
Level of Evidence	Level IV								
Authors/Financial Di	sclosures								
Full Name:	Email:	Disclosure(s) selected:		Disclosed Organisation(s):					
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Submission ID	05-00750						Ref ID CS-750	
Title	Transver	se Tibial B	one Transport in a	a Non-F	Healing H	leel Wound	: A Case Report	
Submit Date	09/23/2024							
Correspondent	Last Name: Full Name: Practice/Com	Cheung Timothy P C pany/Residenc	heung, DPM, PhD, CPT y Program:	Ъ Р	Email: Yale New Ha	timothy.cheun ven Hospital	g@yale.edu	
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	Author 3:	Katherine Po	well, MSN, FNP	A	Author 4:	Michael I Gaz FACPM	es, DPM, MPH, FACFAS,	
	Author 5:	David B Fru	mberg, MD, FAAOS	Α	Author 6:			
	Author 7:			Α	Author 8:			
Purpose	The purpose treatment of a	of this case stud a chronic, non-l	ly is to present the effect nealing, diabetic heel wo	tiveness of ound.	a Transverse	e Tibial Transpor	rt (TTT) technique for the	
Methodology								
Procedures	Transverse Tri is performed, of the externa of a 32-year- surgery and la at a rate of 0. performed ov under modera offloaded.	bial Transport and the cortex al fixator and te old male with d ocal wound into 5mm/day over er 28 days usin tte sedation. Th	(TTT) is a variation of th is transported transverse nsion-stress effect, TTT iabetes mellitus and a no erventions. Latency perio 28 days, at which point d g the same rate. The fixa e patient was allowed to	he Ilizarov ely with an promotes l on-healing od for TTT distraction ator was les bear weig	technique in external app local tissue a left heel ulce was 10 days was reversed ft in place fo ht throughou	which an osteot aratus. Through nd vascular rege r for more than a 14mm of distra and closing of r an additional 6 t treatment but v	omy of the medial tibia cortex continuous and slow transfer meration. We present the case one year, refractory to vascular action was gradually performed the distraction gap was weeks and then removed was instructed to keep his heel	
Results	Wound healir successful in	Wound healing was deemed complete at 20 weeks after TTT was initiated. TTT with uniplanar external fixation was successful in healing the ulcer after 4 months. No complications were observed during follow up.						
Discussions	TTT is a reas limb and pro	onable and effe note healing of	ctive surgical method to the diabetic foot wounds	treat diabe s to reduce	etic foot ulce amputation	r. It can improve rates.	e angiogenesis of the affected	
Format	Case Study							
Case Rpt Followup	12							
Student Club								
Classification	Diabetic Foot	t						
Level of Evidence	Level IV							
Authors/Financial Di	sclosures							
Full Name:	Email:		Disclosure(s) selected:				Disclosed Organisation(s):	
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FAAOS

Submission ID	05-00755					Ref ID CS-755			
Title	A Case St Preaxial I	A Case Study of Surgical Repair and Outcomes in a 13-Year-Old with Rare Unilateral Preaxial Polydactyly							
Submit Date	10/03/2024								
Correspondent	Last Name: Full Name: Practice/Com	Iranmanesh Niki Iranma pany/Resideno	nesh, DPM cy Program:	Email: Henry F	nikiiranman Ford Providence Sou	esh@gmail.com 1thfield/Novi			
Authors	Author 1: Author 3: Author 5: Author 7:	Niki Iranma	nesh, DPM	Author Author Author Author	2: Dr. Tara Sco 4: 6: 8:	ott, DPM			
Purpose	I aim to inves unilateral prea pressured into where psycho	tigate the func axial polydacty this procedur logical factors	tional and psychosoci yly. This congenital ar e. The decision to foc interplay significantl	al outcomes of a 13- nomaly affected my j us on a pediatric pat y in shaping future o	-year-old patient wh patients self-esteem ient is based on the putcomes.	o underwent surgical repair for and she was essentially peer critical developmental stage,			
Methodology									
Procedures	With no great to me of what would always parents to surg E. (2016). Co surgery. A qua	research regar psychologica ridicule her w gically repair t ngenital thum alitative study.	rding psychological fa l factors pushed my pa hen she wound chang he toe. Closest resear o anomalies and the co Disability and Rehab	attent into having sur- ge her shoes in dance ch to this was found onsequences for dail ilitation, 40(1), 69–7	tients decision on sr rgical repair of her p class and she finall in "Carlsson, I. K., y life: patients' long 75. https://doi.org/10	urgery, this was a prime example bolydactyly. Her dance friends y reached the point of asking her Dahlin, L. B., & amp; Rosberg, H. -term experience after corrective 0.1080/09638288.2016.1243159"			
Results	Patient is now and is not fear	14 months po rful to change	ost op and is very grate her shoes in dance cla	eful to have undergo ss	one this surgery. She	states that she is more confident			
Discussions	For my 13 yea continue with months of sur	ar old patient, daily life activ gery	undergoing revision/r vities and no shame re	esection of this poly garding her toe any	dactyly was truly lif more. Her fear of bu	e changing. Patient is able to llying was gone within four			
Format	Case Study								
Case Rpt Followup	14								
Student Club									
Classification	Biomechanics	s and Anatomy	r						
Level of Evidence	Level V								
Authors/Financial D	isclosures								
Full Name:	Email:		Disclosure(s) selected	ed:		Disclosed Organisation(s):			
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Dr. Tara Scott, DPM

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Submission ID	05-00760					Ref ID CS-760			
Title	The Use of M wounds in a	The Use of Methacrylate Transforming Powder Dressing in the treatment of leg wounds in a patient undergoing ankle deformity correction with external fixation							
Submit Date	10/15/2024								
Correspondent	Last Name: Ka Full Name: Pa Practice/Company	agel atrick, Robo //Residenc	ert, Kagel, DPM y Program:	Email: MedStar Hea	patrick.kagel(@medstar.net			
Authors	Author 1:PaAuthor 3:HaAuthor 5:Author 7:	atrick Kage arsh Bhavs	l, DPM ar, DPM	Author 2: Author 4: Author 6: Author 8:	Paul Carroll, I	DPM, FACFAS			
Purpose	This case study ex pressure therapy in	xplores the n patients ι	use of Methacrylate Transformin indergoing external fixation for	ng Powder Dre deformity corr	ssing as an effectection.	tive alternative to negative			
Methodology									
Procedures	61 year old male v using Methacrylat over time.	with non-he te Transfor	ealing leg wounds, undergoing a ming Powder Dressing. Weekly	nkle deformity wound measur	correction with ements were rec	external fixation, was treated orded to assess healing progress			
Results	The use of Methac dressing changes r	crylate Tra required co	nsforming Powder Dressing resu ompared to negative pressure the	lted in notable rapy.	wound healing,	with fewer and less complex			
Discussions	Methacrylate Tran managing chronic frequency and con al. (2019), highlig wounds. Further st	Methacrylate Transforming Powder Dressing proved to be an effective alternative to negative pressure therapy for managing chronic wounds in a patient with external fixation. The dressing simplified wound care by reducing both the frequency and complexity of dressing changes, offering a more efficient treatment option. Previous research, such as Lin et al. (2019), highlighted its success in nasal surgical defects, and this case extends its potential application to lower extremity wounds Eurther studies are needed to validate its benefits across different wound types.							
Format	Case Study								
Case Rpt Followup	12								
Student Club									
Classification	Wound Care/Infec	tious Dise	ases						
Level of Evidence	Level IV								
Authors/Financial Di	sclosures								
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):			
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Paul Carroll, DPM, FACFAS	paul.j.carroll@meds	star.net	Consultant/Advisor/Speaker (L	ist all affiliatio	ons)	Altrazeal consultant, non- monetary			
Harsh Bhavsar, DPM	harsh.bhavsar@med	lstar.net	I/We have nothing to disclose						

Submission ID	05-00763				Ref ID CS-763				
Title	Multi-Stag Using Rem Flap: A Ca	Multi-Stage Treatment of a Chronic Wound and Tibial Intramedullary Osteomyelitis Using Removable Antibiotic Coated Cement Rods and an Adipofascial Perforator Flap: A Case Report							
Submit Date	09/21/2024								
Correspondent	Last Name: Full Name:	Porrata Valeria C. F	Porrata, MS-4	Email:	porrata.valeria@gmail.com				
	Practice/Comp	any/Residen	cy Program:	Centro Medi	co Episcopal San Lucas				
Authors	Author 1: Author 3: Author 5: Author 7:	Valeria C. F	Porrata, MS-4	Author 2: Author 4: Author 6: Author 8:	Carlos Arroyo, DPM, FACFAS				
Purpose	Osteomyelitis i seed into bone of available loo of amputation involved using turndown flap.	Osteomyelitis is a progressive infectious pathology typically caused by a pyogenic bacterium that destroys bone and can seed into bone marrow, soft tissue, and the bloodstream. Soft tissue defect reconstruction can be challenging due to the lack of available local tissue. Intramedullary osteomyelitis and chronic soft tissue defects yield a poor prognosis with a high risk of amputation in diabetic patients. This case study presents a successful multi-staged limb salvage case. Salvage plan involved using multiple temporary antibiotics-coated cement rods and an adipo-fascial posterior tibial artery perforator turndown flap.							
Methodology									
Procedures	A 63-year-old o intramedullary	diabetic fema osteomyeliti	ale patient suffering from chro is and wound dehiscence post	onic right ankle eq ankle and subtala	uino-varus which was complicated by r arthrodesis.				
Results	Eradication of functional pain	intramedulla free plantig	ry osteomyelitis was achieved rade foot for the patient.	l while providing	vascularized wound coverage and a stable				
Discussions	Our innovative cement as an ir flap was used t flap allowed a from the media technique.	e technique u ntramedullar to close the a wider degree al calf region	tilized a biweekly removable y nail, maintaining a high con- nterior ankle wound, bringing of freedom regarding the size was used to grant closure. Fu	external fixator ro centration of antib vascularity into the and shape of the rther research is re	d coated with antibiotic-impregnated bone iotics in the canal. A perforator adipose-fascial he area, and promoting antibiotic delivery. This graft. A split-thickness skin graft harvested equired for warranted reproducibility of this				
Format	Case Study								
Case Rpt Followup	24								
Student Club									
Classification	Wound Care/In	nfectious Dis	eases						
Level of Evidence	Level III								
Authors/Financial D	Disclosures								
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):				
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Carlos Arroyo, DPM,	carroyoromeu@g	gmail.com	I/We have nothing to disclo	ose					

FACFAS

Submission ID	05-00764			Ref ID CS-764					
Title	Loose and oss Osteochondro	Loose and ossified bodies within the ankle joint: A rare case of synovial Osteochondromatosis							
Submit Date	09/21/2024								
Correspondent	Last Name: Wi	lliams							
	Full Name: Ky	le A. Williams	Email:	kyleaw3@gmail.com					
	Practice/Company/	Residency Program:	SSM Health	DePaul Hospital					
Authors	Author 1: Ky	le A Williams, DPM	Author 2:	Jared Visser, DPM					
	Author 3: Hat	rry John Visser, DPM	Author 4:						
	Author 5:		Author 6:						
	Author 7:		Author 8:						
Purpose	Synovial chondron various joints. The	natosis is a rare synovial prolifer purpose of this study is to show	a presentation of this ar	to chondral metaplasia within the synovia of thropathy for future providers.					
Methodology									
Procedures	A 28-year-old male examination of the in office showing s showed multiple os underwent a surgic to the ankle was tal between 5 and 8 m	who presented to clinic with le affected ankle there was moder uspicious cortical bodies at the teochondral bodies within the t al procedure to remove the osse cen with a 4 mm incision. 6 smo m in diameter.	ft ankle pain for a little of ate swelling and limited ankle joint. The patient t ibiotalar joint suspicious ous bodies, brostrum rep ooth, ossified bodies wer	ver 2 weeks with insidious onset of pain. On range of motion. Radiographs were performed hen was sent for MRI for further analysis. MRI for primary osteochondromatosis. Patient wair, and OCD repair. An anterolateral approach e removed from the ankle joint measuring					
Results	Following surgical weeks of non-weig eight, patient repor	excision post operative care wa ht bearing. Patient transitioned ted relief of ankle symptoms.	s oriented to treatment o to a boot at four weeks a	f the osteochondral lesion repair with four- nd returned to shoes at eight weeks. At week					
Discussions	Synovial chondron development of ost or arthroscopically	natosis is rarely found in the foo eoarthritis. According to Bojani is key to improving joint functi	t or ankle. The aim of tro c et al. (2021) early surg on and preventing degen	eatment is to decrease pain and limit the ical excision of the loose bodies whether open erative disease within the ankle joint.					
Format	Case Study								
Case Rpt Followup	12								
Student Club									
Classification	Rearfoot and Ankle	e Reconstruction							
Level of Evidence	Level IV								
Authors/Financial D	oisclosures								
Full Name:	Email:	Disclosure(s) selected	1:	Disclosed Organisation(s):					
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Harry John Visser, DPM

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Submission ID	05-00766				Ref ID CS-766		
Title	Below-Kr Periphera	iee Amputat al Nerve Inte	ion with Targeted Mu erface for Phantom Li	scle Reinn mb Pain P	ervation & Regenerative revention		
Submit Date	10/01/2024						
Correspondent	Last Name: Full Name:	Curlis Kayla L Curlis,	, DPM	Email:	kcurlis1@kent.edu		
	Practice/Com	pany/Residency I	Program:	St. Vincent M	ledical Center		
Authors	Author 1:	Kayla L. Curlis	s, DPM	Author 2:	Lucas S. Adams, DPM		
	Author 3:	Manpreet Kaur	r, MS4	Author 4:	Quinn M. Schroeder, DPM		
	Author 5:	Seth A. Philips	, DO	Author 6:	Kyle McKray-Smith, DPM		
	Author 7:			Author 8:			
Purpose	This case stud for phantom l amputation (E Nerve Interfa	ly supports an alto imb pain (PLP)/ p 3KA) with concur ce (RPNI) of one	ernative management for patie phantom limb sensation (PLS). rrent Targeted Muscle Reinner nerve.	nts undergoing This case show vation (TMR)	major limb amputation with the potentiation wcases a patient who underwent a below knee of three nerves and Regenerative Peripheral		
Methodology							
Procedures	PLP followin, major compli for patients er amputation pr male with ext assisted proce	g major amputatic cated outcome is xperiencing post- cocedure can disru ensive medical hi edure of three ner	ons is prevalent in about 30-50 neuroma formation (1). TMR 4 operative limb loss pain (5). T upt chronic pain cycles, decrea istory and failed limb salvage u ves and one RPNI adjunct for J	% of patients (can be perform MR & amp; am sing the chance litimately went prevention of P	 In nearly 60% of this same population, a ed as either a primary or revisional procedure p; RPNI performed during the primary e of neuroma formation (7). A 53- year- old t on to a BKA with simultaneous conduit- 'LP/PLP. 		
Results	The patient re patient was al of lateral left	The patient received his prosthetic and completed a 7-week course of physical therapy. With prosthetic assistance, the patient was able to ambulate with minimal pain. The patient was satisfied with the outcome and only reported a complaint of lateral left toe paresthesia. It is noteworthy that due to time restraints the sural nerve was not augmented.					
Discussions	Literature sup cessation of a was achieved	ports TMR and F cute or chronic lin	RPNI procedures as an adjunct mb loss pain. The goal to prov	in the realm of ide safe, efficie	limb salvage following amputation for ent ambulation with post amputation pain relief		
Format	Case Study						
Case Rpt Followup	15						
Student Club							
Classification	Neurological/	Peripheral Nerve	Disorders				
Level of Evidence	Level IV						
Authors/Financial D	isclosures						
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):		
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Manpreet Kaur, MS4	mkaur8@kent.eo	łu	I/We have nothing to disclose	e			
Quinn M. Schroeder, DPM	qschroeder@me	rcy.com	I/We have nothing to disclose	2			
Seth A. Philips, DO	sphilips@mercy.	.com	I/We have nothing to disclose	2			
Kyle McKray-Smith, DPM	kmckraysmith@	toledoclinic.com	I/We have nothing to disclose				

Submission ID	05-00768				Ref ID CS-768			
Title	Erenumab, a New Migraine Medication, Negatively Impacts Surgical Wound and Bone Healing in the Foot and Ankle							
Submit Date	09/23/2024							
Correspondent	Last Name: Full Name: Practice/Com	Cheung Timothy P C pany/Residenc	heung, DPM, PhD, CPT y Program:	Email: Yale New Ha	timothy.cheung@yale.edu aven Hospital			
Authors	Author 1: Author 3: Author 5: Author 7:	Timothy P C Arij M Rash Motasem Sa	heung, DPM, PhD, CPT id, DPM, AACFAS lamah, DPM	Author 2: Author 4: Author 6: Author 8:	Zachary Korwek, DPM Rumzah Paracha, MD Ashley Bruno, DPM, FACFAS			
Purpose	Patient select to report a sid	ion and optimiz le effect of a no	ation are crucial components wel migraine medication, Ere	of successful sur- numab, its effect	gery outcomes. The purpose of this case study is on foot and ankle surgery.			
Methodology								
Procedures	A healthy 68 Lapidus and erenumab, pr patient preser metatarsal dis subsequent fi in a posterior	year old female went to achieve escribed by the tted back with stal to the Lapio rst metatarsal o splint and to b	with migraines presented wi successful union uneventfull neuropharmacist within the p recurrent HAV deformity. F lus arthrodesis screws. A SPE pen reduction internal fixatio e nonweightbearing.	th a hypermobile ly. Of note, the part postoperative cour urther investigation CT/CT revealed I n and a first metal	HAV deformity. The patient underwent a tient started a new migraine medication, se. At the 6 months postoperative period, the on revealed a pathologic fracture of the 1st nealing potential and the patient underwent a tarsophalangeal joint arthrodesis and was placed			
Results	The patient's postoperative course was complicated by a wound dehiscence with hardware exposure and first metatarsophalangeal joint nonunion. Infectious disease was consulted and ruled out infection, who prescribed long-term suppressive doxycycline. The wounds underwent local wound care for 9 months. A thorough chart review of all her medications was performed and determined that it was possible that the erenumab was causing a nonunion and wound healine. Erenumab was discontinued and the wounds healed by the next visit.							
Discussions	This case sub and optimiza	stantiates the n tion in elective	eed for considering erenumat foot and ankle surgery.	o, a specific migra	ine medication, in the preoperative planning			
Format	Case Study							
Case Rpt Followup	24							
Student Club								
Classification	Forefoot Rec	onstruction						
Level of Evidence	Level IV							
Authors/Financial Di	isclosures							
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Submission ID	05-00770				Ref ID CS-770				
Title	Comorbic the Midfo	Comorbidities Associated with 71 Patients Presenting with Soft Tissue Emphysema in the Midfoot							
Submit Date	10/01/2024	10/01/2024							
Correspondent	Last Name: Full Name: Practice/Com	Curlis Kayla L. Cu pany/Residenc	rlis, DPM y Program:	Email: St. Vincent M	kcurlis1@kent.edu iedical Center				
Authors	Author 1: Author 3: Author 5: Author 7:	Kayla L Cur Quinn M. Sc Manpreet Ka	lis, DPM shroeder, DPM aur, MS4	Author 2: Author 4: Author 6: Author 8:	Adnan A. Rammouni, DPM Lawrence C. Carlson, DPM Khase Wilkinson, DPM, FACFAS				
Purpose	This poster d imaging who	escribes comor underwent surg	rbidity and mortality rates for pat gical intervention.	tients with mid-	foot soft tissue emphysema (STE) seen on				
Methodology									
Procedures	STE can be cl infections suc STE also suff disease (PAD) foot (6). Patie patients were calculated.	STE can be challenging to diagnose clinically since patients often present with similar findings to other soft-tissue infections such as cellulitis, abscesses, or compartment syndrome (1). Studies have shown that patients diagnosed with STE also suffered from comorbid conditions such as diabetes mellitus and chronic renal failure (2). Peripheral arterial disease (PAD) is also a major contributor as soft tissue infections cannot resolve in the absence of adequate perfusion to the foot (6). Patient data was collected between January 2013 and December 2022 at a Multi-hospital System. 71 out of 542 patients were found to have STE extending into, but not proximal to, the midfoot. Comorbidities and mortalities were calculated.							
Results	Diabetes Mell patient's analy concurrent os	Diabetes Mellitus was the most prevalent comorbidity found in our extracted data at 97%. The hemoglobin A1C% of the patient's analyzed was increased at 9.68%. 36.6% of patients presented with ESRD. Nearly half of our patients also had concurrent osteomyelitis alongside a progressive soft tissue infection. Our 5-year mortality rate was calculated at 51%.							
Discussions	Patients with healing. The f receives. The debridement i	STE of the foo inal decision for refore, to mining s recommende	t usually have other complicated or amputation can be strongly inf nize the rapid progression of the d (3).	medical condit fluenced by the infection early	tions which drastically impact their course for timing of medical management that the patient diagnosis, resuscitation and surgical				
Format	Case Study								
Case Rpt Followup	60								
Student Club									
Classification	Diabetic Foot								
Level of Evidence	Level IV								
Authors/Financial Di	sclosures								
Full Name: Kayla I Curlis DPM	Email: kcurlis1@kent e	du	Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-00771					Ref ID CS-771				
Title	Indication Level and	n of Midfo Mortality	ot Soft Tissue En ⁄.	nphysema as	a Progi	nostic Indicator of Amputation				
Submit Date	10/01/2024	10/01/2024								
Correspondent	Last Name:	Curlis								
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	Practice/Com	pany/Residenc	ey Program:	St. Vinc	ent Medic	al Center				
Authors	Author 1:	Adnan A. Ra	ammouni, DPM	Author	2: Q	uinn M. Schroeder, DPM				
	Author 3:	Lawrence C	. Carlson, DPM	Author	4: Ka	ayla L. Curlis, DPM				
	Author 5:	Manpreet Ka	aur, MS4	Author	6: K	hase A. Wilkinson, DPM, FACFAS				
	Author 7:			Author	8:					
Purpose	This poster in emphysema (STE on imagi	tends to descri STE) seen on i ing as a progno	be the surgical involver maging. This is one arm ostic indicator of morbic	nent and survivors n of a larger study l lity and mortality. l	hip for pat looking at It is the fir	tients presenting with midfoot soft tissue the proximal extent of lower extremity st known review of this kind.				
Methodology										
Procedures	1 in 5 patients who present to the Emergency Department with soft tissue emphysema of the foot will have the primary radiographic location specific to the midfoot (1). Literature reports that 52% of patients who present on admission with soft tissue emphysema in the foot will require a minor/ major amputation within 30 days of that admission (1). Patient data between January 2013 and December 2022 was retrospectively collected from the NW Ohio Mercy Health Multi-hospital System electronic medical record database. Patients were screened based on applied ICD-10 codes. Timestamps included hospital admission, 1-year, 3-years, and 5-years post-admission for the cohort. 71 out of 542 patients were screened and placed into 7 different categories.									
Results	Standout data includes mean age of 59 years. 16.9% of limbs already had ipsilateral amputations. 56.3% of limbs had concurrent osteomyelitis. Final extinct & extant limbs included at five years showed 8% experienced debridements only, 3% digital amputations, 58% TMAs, 5% hindfoot/ankle amputations, 23% BKAs, 3% AKAs, & 0% hip disarticulations/hemi-pelvis amputations.									
Discussions	This poster is emphysema o	a subset of a later of the midfoot.	arger study further asses	ssing the prognosti	c indicator	rs for patients who present with soft tissue				
Format	Case Study									
Case Rpt Followup	60									
Student Club										
Classification	Diabetic Foot									
Level of Evidence	Level III									
Authors/Financial Di	sclosures									
Full Name:	Email:		Disclosure(s) selected	:		Disclosed Organisation(s):				
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Submission ID	05-00772					Ref ID CS-772			
Title	A rare M	A rare Morel-Lavallée Lesion of the ankle: Case report and literature review							
Submit Date	09/24/2024								
Correspondent	Last Name:	Ackom							
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	Practice/Con	npany/Residency	Program:	Emplify Hea	alth				
Authors	Author 1:	Hughes, Acko	m, DPM	Author 2:	Andrew D. Elli	ot, DPM, FACFAS			
	Author 3:			Author 4:					
	Author 5:			Author 6:					
	Author 7:			Author 8:					
Purpose	The Morel-L overwhelmir uncertain. W	avallée Lesion (N ngly reported in the e report a rare cas	MLL) is an internal, s ne hip (30.4%), thigh se of MLL of the ank	oft tissue, degloving inj (20.1%), and pelvis (18 le and a review of the li	ury associated wit 3.6%). Definitive tr terature.	h high velocity trauma. MLL is reatment of MLL remain			
Methodology									
Procedures	A 48-year-ol swelling but circumscribe activity restr	d male sustained minimal ankle pa d fluid filled lesio iction and monito	a right ankle injury a tin or muscle weakne on of the lateral ankle oring, the MLL resolv	fter jumping from an 8- ss. Radiographs were n e. Conservative therapy red with no neurologic,	foot rock. He press egative for osseous was agreed upon. cutaneous or musc	ented with defuse lateral ankle s injury. MRI showed a well After 8 weeks of compression, uloskeletal sequela.			
Results	Resolved int	ernal lesion witho	out complication.						
Discussions	MLL is an in skin necrosis and drainage rare case of !	ternal separation MRI is the prefe , and sclerotherar MLL of ankle that	of soft tissue layers of erred modality for dia by. A review of literat t was managed conse	creating a space which a agnosis. Management o ure reveals no English rvatively without comp	accumulates fluid. ptions include com language case repo lication at 13 mon	Sequelae include infection or pression, aspiration, incision rt of ankle MLL. We report a hs follow-up.			
Format	Case Study								
Case Rpt Followup	13								
Student Club									
Classification	Trauma								
Level of Evidence	Level IV								
Authors/Financial I	Disclosures								
Full Name:	Email:		Disclosure(s) set	ected:		Disclosed Organisation(s):			
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Submission ID	05-00773				Ref ID CS-773
Title	Comminu	ited Talar Neck	and Body fracture	e; a case st	udy
Submit Date	10/06/2024				
Correspondent	Last Name: Full Name: Practice/Com	Zimmer Christopher pany/Residency Prog	ram:	Email: HCA Florida	cwzimmer94@gmail.com Westside
Authors	Author 1:	Christopher Zimme	er, DPM	Author 2:	Warren Windram, MS, DPM, FACFAS, DABFAS, CWS
	Author 3:	Allyne Andrade, D	PM	Author 4:	Angelica Carillo, MD
	Author 5:			Author 6:	
	Author 7:			Author 8:	
Purpose	A combination fractures in the necrosis and proximal extension unique fractu	n of talar neck and bo ne body. Talar neck an much more. The purp- ension into the body, s re pattern.	dy fractures are extremely d body fractures are challe ose of this case report is to alvage and healing is poss	rare which manging problen demonstrate t ible with prop	ake up approximately less than 1% of all is to treat in terms of fixation, rates of avascular hat even with a severe talar neck fracture with er surgical technique and understanding of the
Methodology					
Procedures	One patient s plate and mee proximal exte demonstrated healing.	uffered comminuted h dially based interfragn ension into the talar bo a comminuted Hawk	nawkins type 2 talar neck a nentary compression screw ody demonstrates approxin ins type 2 talar neck fractu	nd body fractu 7. The rates of hately 49% cha re with proxin	re which underwent ORIF with a lateral bridge avascular necrosis for talar neck fractures with ance of avascular necrosis. Our patient nal extension into the talar body and achieved
Results	One patient d	emonstrated clinical a	and radiographic signs of h	ealing after a	alar neck and body fracture at 1 year.
Discussions	The rates of a as nonunion a strong fixatio of injury.	wascular necrosis of t and collapse rate. In g n, and careful anatom	alar neck fractures with pr eneral AVN is approximate ic dissection excellent out	oximal extensi ely 49%, nonu comes can be a	on into the body varies in the literature as well nion is 26%, and collapse is 14%. With stable accomplished with patients who suffer this type
Format	Case Study				
Case Rpt Followup	12				
Student Club					
Classification	Trauma				
Level of Evidence	Level IV				
Authors/Financial I	Disclosures				
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):
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Submission ID	05-00775 Ref ID 0							
Title	Diabetic Limb Salvage and Charcot Arthropathy Reconstruction Using Antibiotic- Cement TTC Nail and External Fixation in Patient with Multiple Maggot Infested Ulcerations and Lower Extremity Osteomyelitis							
Submit Date	10/15/2024							
Correspondent	Last Name: SICARD Full Name: RITA MAL Practice/Company/Resider	LI ELIZABETH SICARD, DPM acy Program:	Email: AULTMAN	RELIZABETH ALLIANCE COM	ISICARD@GMAIL.COM MMUNITY HOSPITAL			
Authors	Author 1:R. Mali EliAuthor 3:David BishAuthor 5:Author 7:	zabeth Sicard, DPM op, DPM	Author 2: Author 4: Author 6: Author 8:	Justin M Kane, Alexandra Pixt	, MD FAAOS on, DPM			
Purpose	Studies have shown that m from 50-80%, and that mu risk. Therefore, the explore healthcare specialties.	ajor lower extremity amputations ttimodal and interdisciplinary lim ttion and application of moderniz	(MLEAs) hav b salvage techr ed salvage tech	e a 5 year post-op niques can drastic niques should be	perative mortality rate ranging ally reduce the aforementioned prioritized in applicable			
Methodology								
Procedures	We present a case of a 67 y bony involvement, and ma initially presented with acu salvage attempt using a no tandem with more tradition	rear old female with unilateral ad- ggot infestation. This patient had te medical instability and adult fa vel approach involving the formu al surgical modalities.	vanced charcot pre-existing er ilure to thrive. lation and inse	arthropathy, vari- idocrine and psyc In this report we rtion of an antibic	ous decubitus ulcerations with hiatric co-morbidities, and discuss an extensive limb otic cement TCC nail, in			
Results	The patient presented in th salvage attempt yielding a	The patient presented in this case is followed throughout the course of one year, which ultimately proves success of the salvage attempt yielding a plantigrade ambulatory lower extremity, free from pain or disease progression.						
Discussions	The success of this case wa monitoring, wound care, an the sharing of techniques b in podiatric and orthopedic	as made possible by novel technic nd dedicated follow-up. Extensive etween clinicians and specialties surgery.	jue, multidiscip e tissue salvage is high yield fo	blinary systemic s is often paramou or the evolution of	tabilization, frequent int for long-term survival, and f limb salvage as a focal point			
Format	Case Study							
Case Rpt Followup	12							
Student Club								
Classification	Neurological/Peripheral Neurological	erve Disorders						
Level of Evidence	Level IV							
Authors/Financial D	isclosures							
Full Name:	Email:	Disclosure(s) selected:			Disclosed Organisation(s):			
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Submission ID	05-00776					Ref ID CS-776				
Title	Treatmen patient wi	Treatment of peri-prosthetic fracture of tibia following tibiotalocalcaneal fusion in patient with prior midfoot Charcot reconstruction								
Submit Date	09/25/2024									
Correspondent	Last Name:	Last Name: Khosravi								
	Full Name:	Melody M. H	Chosravi, DPM	Em	ail:	melokhos@gmail.com				
	Practice/Comp	pany/Residenc	y Program:	Vet	erans Affai	rs Palo Alto Health Care Systems				
Authors	Author 1:	Melody M. H	Chosravi, DPM	Au	thor 2:	Aaron Handa, DPM				
	Author 3:	Kevin Ragot	haman, DPM	Au	thor 4:					
	Author 5:			Au	thor 6:					
	Author 7:			Au	thor 8:					
Purpose	Tibia fracture retrograde nai Charcot recon	is a known con l for a peri-pro struction.	nplication following sthetic tibia fracture s	ankle Charcot re sustained follow	econstruction ing tibiotal	on. This case study describes the use of localcaneal fusion in patient with prior midfoot				
Methodology										
Procedures	An active 65 y beaming and 1 deformity. He tibia fracture 5 of hardware an This was acco	vear old neurop MCDO present underwent tra 5 months post- nd retrograde i mplished with	bathic male who unde ted with a plantar late insfibular tibiotalocalc operatively. The patie intramedullary nailing the use of intramedul	rwent midfoot C ral ulcer due to aneal fusion wi nt refused below to fix the tibia illary nail of 300	Charcot rec developme th plate and w knee amp fracture an 0 mm lengt	onstruction with medial and lateral column nt of ankle Charcot causing varus ankle d screw fixation. He sustained peri-prosthetic vutation. He subsequently underwent removal d to reinforce the tibiotalocalcaneal fusion. h.				
Results	The fracture h and knee brac post-op and an	ealed at 8 wee e at 3 months f nbulates in a C	ks post-operatively. T following the surgery. CROW boot without c	he patient begar He was transiti linical or radiog	n weight be oned out o graphic sign	earing in a Charcot Restraint Orthotic Walker f knee brace at 8 months. He is now 13 months as of tibia stress.				
Discussions	Prior studies h but the literatu with prior mic this situation a	nave relayed th are is void of re lfoot Charcot r and discusses r	e risk of peri-prosthet ecommendation for til econstruction. This ca ationale behind impla	ic and tibia strea bia fracture follo ase study sugges ant selection.	ss fracture owing tibic sts retrogra	following ankle and tibiotalocalcaneal fusion, talocalcaneal fusion in neuropathic patient de intramedullary nail as a viable option for				
Format	Case Study									
Case Rpt Followup	13									
Student Club										
Classification	Trauma									
Level of Evidence	Level IV									
Authors/Financial Di	sclosures									
Full Name:	Email:		Disclosure(s) selecte	d:		Disclosed Organisation(s):				
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Submission ID	05-00778 Ref ID CS-'								
Title	Importance of fr neuroarthropath	Importance of frontal plane control when performing midfoot beaming for Charcot neuroarthropathy							
Submit Date	09/26/2024								
Correspondent	Last Name: Parker								
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Authors	Author 1:Kyle PaAuthor 3:Joshua 1Author 5:Author 7:	rker, DPM. PGY-2 Marshall, DPM	Author 2: Author 4: Author 6: Author 8:	Rachel Beckman, DPM, PGY-2					
Purpose	Charcot neuroarthropatl Patients can be treated of midfoot charcot. Midfoo reconstruction. This stu	hy is a destructive joint disease whic conservatively but many require sur- ot beaming provides a rigid constru- dy aims to highlight the importance	ch results in prog gical interventio ct but ultimately of frontal plane	ressive deformity of the foot and ankle. n. Midfoot beaming is a mainstay surgery for fails to control the frontal plane failure of control in midfoot beaming					
Methodology									
Procedures	True incidence of Charcot neuroarthropathy is unknown but in diabetics it effects 8.5 people per 1000. Pinzur et al noted in 2004 that 60% percent of patients with midfoot Charcot can be treated conservatively. Midfoot beaming is common which reduces the deformity however has resulted in high complication rate. Manchanda et al shows that adding STJ fusion reduced the complication rate by 80%. Case study: Podiatry was consulted for patient with midfoot charcot and plantar midfoot wound. Patient was treated with a total contact cast however his wound recurred and became infected. Once infection resolved patient underwent midfoot beaming with STJ fusion and maintained his correction post operatively without complications.								
Results	Patient underwent midf subtalar joint fusion usi	oot beaming with combination of bo ng 7mm screws and Achilles tendor	olts (6.5mm and lengthening	5.0mm) through 1st, 2nd and 4th columns with					
Discussions	Midfoot beaming has be supplementation with a study highlights the imp	een a mainstay of treatment for Cha STJ fusion better controls frontal pl portance of this supplementation and	reot for many ye ane deforming f l adds to the bod	ears. However, recent literature has shown that forces and reduces complications. This case dy of supporting literature.					
Format	Case Study								
Case Rpt Followup	18								
Student Club									
Classification	Rearfoot and Ankle Rec	construction							
Level of Evidence	Level IV								
Authors/Financial Di	sclosures								
Full Name:	Email:	Disclosure(s) selected:		Disclosed Organisation(s):					
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Joshua Marshall, DPM	Joshua.Marshall3@va.go	v I/We have nothing to disclose	;						

Submission ID	05-00779				Ref ID CS-779			
Title	Fixation Constructs for Calcaneal Avulsion Fractures							
Submit Date	09/26/2024							
Correspondent	Last Name: Full Name: Practice/Comp	Beckett Lauren Becke pany/Residency	ett, DPM PGY-2 Program:	Email: New Mexico	lauren.beckett024@gmail.com Veterans Affairs Medical Center			
Authors	Author 1: Author 3: Author 5: Author 7:	Lauren Becke	ett, DPM PGY-2	Author 2: Author 4: Author 6: Author 8:	Megan Allen, DPM Diplomate, ABFAS			
Purpose	There is limite calcaneal tube seventh decad with osteopore constructs.	ed literature on rosity are rare, e of life. Calcar osis or diabetes	fixation constructs for cal representing 1.3-2.7% of neal avulsion fractures are . This case study aims to	caneal avulsion frac all calcaneal fracture e most commonly se highlight rare calcan	tures. Extra-articular avulsion fractures of the es with a peak incidence in females in their en in those with poor bone quality such as those eal avulsion fractures and optimal fixation			
Methodology								
Procedures	Literature Rev techniques and alcoholic neur subsequently operatively. Pa Patient subseq	Literature Review: Multiple case reports, including Shota et al and Rauer et al, show that combinations of braided suture techniques and hardware appear to have the highest success rate. Case study: This patient is a 56-year-old male with alcoholic neuropathy who fell down a flight of stairs and sustained a closed displaced calcaneal avulsion fracture. He subsequently underwent ORIF with reattachment of the Achilles tendon. Patient with non-compliance and walked post operatively. Patient returned with an open fracture of the calcaneal tuberosity with complete dehiscence and an abscess. Patient subsequently developed octoorwelitis underwent multiple debidements and eventually healed						
Results	Patient underv attributed to h	vent ORIF with is neuropathy, (a 4.0 fully threaded scre ORIF failed, his incision of	w with washer and so dehisced, and the har	uture anchors. Due to patient noncompliance dware was exposed and became infected.			
Discussions	Limited and lo literature, com studies are neo	ow-level studies abinations of br eded to further a	s are available for fixatior aided suture techniques w assess reproducibility of t	a constructs of calcar with hardware appear hese constructs.	eal avulsion fractures. According to current to make the strongest construct. Higher level			
Format	Case Study							
Case Rpt Followup	22							
Student Club								
Classification	Trauma							
Level of Evidence	Level IV							
Authors/Financial Di	isclosures							
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):			
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Submission ID	05-00783 Ref ID CS-7									
Title	Overuse of Bayes' The	Overuse of MRI in Diagnosing Osteomyelitis in the Foot and Ankle: A Case Study and Bayes' Theorem Application								
Submit Date	10/07/2024									
Correspondent	Last Name:	Tran								
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	Practice/Compa	ny/Residency	Program:	Scripps Men	norial Hospital Encinitas					
Authors	Author 1:	Alina, T, Trar	n, DPM	Author 2:	Nicklaus, M, Nishijima, DPM					
	Author 3:			Author 4:						
	Author 5:			Author 6:						
	Author 7:			Author 8:						
Purpose	The purpose of t clinical suspicio findings. The ra false positives a guiding accurate	The purpose of this study is to consider overuse and dependency of MRIs in diagnosing osteomyelitis in patients with low clinical suspicion. We will apply Bayes' Theorem and widely accepted clinical tools to better interpret the accuracy of MRI findings. The rationale arises from the reliance on MRI's high sensitivity, despite its moderate specificity, which can lead to false positives and unnecessary medical intervention. Our intent is to highlight the importance of clinical judgment in guiding accurate diagnosis.								
Methodology										
Procedures	A 59 year old m without open we demonstrated m and ESR (92), a	ale with a his ounds or syste arrow edema bone biopsy	tory of idiopathic peri emic symptoms. X-ray along the fifth metata revealed negative for	pheral neuropathy press vs revealed sclerotic cha rsal, raising suspicion for osteomyelitis.	ented with right foot swelling and erythema, nges at the tarsometatarsal joints, and MRI or osteomyelitis. Despite elevated CRP (40.6)					
Results	We applied Bay absence of open only 32.3%, ind	We applied Bayes' Theorem to this case, which showed a low pretest probability of 10% for osteomyelitis due to the absence of open wounds or systemic signs of infection. Despite MRI's high sensitivity (90%), the posttest probability was only 32.3%, indicating a significant chance of a false positive MRI result for osteomyelitis.								
Discussions	The findings em suspicion. Clinic how both the low natural way of th	The findings emphasize that MRI alone should not dictate the diagnosis of osteomyelitis in patients with low clinical suspicion. Clinical judgment, combined with widely accepted diagnostic tools is crucial. Bayes' Theorem demonstrated how both the low pretest probability and posttest probability can be a useful tool for overcoming strong biases in our natural way of thinking and how it can aid in medical decision making.								
Format	Case Study									
Case Rpt Followup	15									
Student Club										
Classification	Wound Care/Inf	ectious Disea	ises							
Level of Evidence	Level IV									
Authors/Financial D	Disclosures									
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Submission ID	05-00784				Ref ID CS-784
Title	Distal Pha Glomus T	alanx Desr `umor	noplastic Fibroma of tl	ne Hallux: A	A unique case mimicking a
Submit Date	09/26/2024				
Correspondent	Last Name: Full Name: Practice/Com	Ajarrag Samy pany/Residenc	y Program:	Email: Université du	samy.ajarrag@gmail.com Québec à Trois-Rivières
Authors	Author 1: Author 3: Author 5: Author 7:	Samy Ajarra	g, MSc, DPM student UQTR	Author 2: Author 4: Author 6: Author 8:	Marie-Christine Torchon, DPM
Purpose	Desmoplastic the foot, parti scientific liter of the hallux, treatment of I	Fibroma (DF) cularly in the s ature, diagnost initially mimic DF in this rare	is a rare benign bone tumor usu mall bones like the hallux, is ex ing it can be particularly challen king a Glomus Tumor. This cas location.	ally found in the ceedingly rare. ' ging. We report e aims to provid	e mandible and long bones. Its occurrence in With fewer than five cases reported in the an unusual case of DF in the subungual region le insight into both the clinical presentation and
Methodology					
Procedures	A 38-year-old tenderness, ar Surgical excis follow-up, inc	female with a nd cold hyperse sion with wide cluding X-rays	history of hallux trauma and thy ensitivity in her feet. X-ray and I margins was performed, but his , was conducted.	vroid cancer pre MRI findings su topathology rev	sented with persistent pain, subungual ggested a Glomus Tumor with bone erosion. ealed Desmoplastic Fibroma. A two-year
Results	At the four-m skin health, n	onth follow-up ormal nail regr	o, the skin had fully healed with owth, and no reported pain. X-ra	no complication ays showed no s	is. After two years, the patient exhibited good igns of recurrence.
Discussions	This case hig like DF, whic need for thore demonstrates	hlights the imp h can mimic m bugh differentia the effectivene	ortance of confirming diagnoses tore common lesions such as Gle al diagnosis. Successful excision ess of this treatment approach	through biopsy omus Tumors. T with wide marg	and pathology, especially in rare conditions he rarity of DF in the hallux emphasizes the gins and no recurrence after two years
Format	Case Study				
Case Rpt Followup	24				
Student Club					
Classification	Soft Tissue/T	umor			
Level of Evidence	Level IV				
Authors/Financial D	isclosures				
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):
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DPM

Submission ID	05-00786				Ref ID CS-786	
Title	Management of a Complex Hallux Crush Injury: A Case Report					
Submit Date	10/06/2024					
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	Practice/Com	pany/Residency	Program:	HCA Florida Westside		
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	Author 3:	Nishit Vora E	DPM, MPH, FACPM, AACFAS	Author 4:	Allyne Andrade, DPM	
	Author 5:			Author 6:		
	Author 7:	Author 7:		Author 8:		
Purpose	Crushing inju impairment if old male patie	Crushing injuries to the hallux, although relatively uncommon, can result in significant morbidity and functional impairment if not managed promptly and appropriately. This case report presents the successful management of a 64-year-old male patient who sustained a crushing injury to his hallux in a workplace accident involving heavy machinery.				
Methodology						
Procedures	64 year old m work. Subseq hardware was healed.	64 year old male presented with an open comminuted left hallux crush fracture after he dropped a steel rod on his foot at work. Subsequently underwent open reduction internal fixation of left hallux. Following this, he developed dehiscence, hardware was removed and plastics was consulted and underwent radial forearm free flap. Patient ultimately clinically healed.				
Results	Patient suffered injuries furth consultation v	Patient suffered soft tissue injury that ultimately required plastics consultation. Pedal flow is already tenuous and crush injuries furth decimate that flow. Immediate intervention and careful care is needed. Ultimately, in this case, plastic consultation was required for proper soft tissue coverage allowing for a functional and salvageable foot.				
Discussions	This case und optimal outco procedure ulti	This case underscores the importance of prompt surgical intervention and multidisciplinary management in achieving optimal outcomes for patients who are neuropathic with crushing injuries to the lower extremity. This limb salvage procedure ultimately allows the patient to preserve the lower extremity and prevent the need for an amputation procedure.				
Format	Case Study					
Case Rpt Followup	13	13				
Student Club						
Classification	Trauma	Trauma				
Level of Evidence	Level IV	Level IV				
Authors/Financial Di	sclosures					
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):	
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Allyne Andrade, DPM
Submission ID	05-00788					Ref ID CS-788	
Title	Bilateral to	otal ankle	and total talus replace	ment: case	report– a f	our-year follow-up	
Submit Date	10/07/2024						
Correspondent	Last Name: Full Name: Practice/Compa	Likewise Lauren any/Residency	y Program:	Email: Virginia Masor	laurenlikewise ı Franciscan He	@gmail.com ealth	
Authors	Author 1: Author 3: Author 5: Author 7:	Lauren A. Li Lindsey R. H Byron L. Hu	kewise, DPM Ijelm, DPM, FACFAS tchinson, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Samuel D. Cai Ryan J. Stone,	ne, DPM DPM, AACFAS	
Purpose	To demonstrate principles of cro term outcomes.	a unique cas eating a bilate	e of bilateral total ankle total talu eral custom talus replacement wi	is replacement (thout a native ta	TATTR). This o lus blueprint, w	case highlights design hile including intermediate-	
Methodology							
Procedures	68-year-old ma to the nature of reconstruction u paired to articul mirrored and ut medial malleolu and cobalt-chro	68-year-old male presents with bilateral painful talar AVN following prior high energy trauma and subsequent ORIF. Due to the nature of bilateral injury, preoperative planning was complicated by lack of native anatomy. Digital positioning and reconstruction using reference anatomy was utilized to create implant shape, fitted with native corresponding anatomy, and paired to articulate with tibial tray and polyethylene insert from specified total ankle replacement. Right-sided implant was mirrored and utilized as a guide for the left before undergoing staged bilateral TATTR. Patient underwent bilateral staged medial malleolus hardware removal with prophylactic hook plating prior to TATTR implantation, consisting of tibial tray and cobalt-chromium subtalar-constrained talar implant.					
Results	After 36 month mean VAS of 1, the patient repo uneven terrain.	After 36 months, radiographs reveal no evidence of implant subsidence. AOFAS Ankle-Hindfoot score is 75/100 with mean VAS of 1/10. Ankle range of motion revealed 12-15° dorsiflexion and 25° of plantarflexion bilaterally. Subjectively, the patient reports no remarkable limitations and continues to exercise on a stationary bike, while able to hike 4 miles on uneven terrain.					
Discussions	This unique cas and radiographi intermediate-lo	This unique case of bilateral TATTR implantation with intermediate follow-up outcome data shows promising functional and radiographic results, especially considering the inability to customize the implant to normal native anatomy. More intermediate-long term investigation is needed to determine survivorship of custom TATTR.					
Format	Case Study						
Case Rpt Followup	48						
Student Club							
Classification	Rearfoot and A	nkle Reconst	ruction				
Level of Evidence	Level IV						
Authors/Financial Di	sclosures						
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):	
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			Serve in an official capacity (el other medical or podiatric organ	ected or appoint nization(s)	ed) for any	Federal Way	
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Byron L. Hutchinson, DPM, FACFAS	hutchmeded@gm	ail.com	Consultant/Advisor/Speaker (L	ist all affiliation	s)	Paragon 28/Orthofix Consultant. There was no funding provided for this study.	

Submission ID	05-00791				Ref ID CS-791	
Title	Short-Term Outco Replacements: A O	omes of Combined Total Case Series Evaluation	Ankle-Con	strained Total 1	Falus	
Submit Date	10/03/2024					
Correspondent	Last Name: Kayal					
	Full Name: Emma R.	Kayal, DPM, AACFAS	Email:	Rmreconfellowship	@gmail.com	
	Practice/Company/Reside	ency Program:	Rocky Moun	tain Reconstructive Fo	oot and Ankle Fellowship	
Authors	Author 1: Emma R.	Kayal, DPM, AACFAS	Author 2:	Thomas Arena, DP	M, AACFAS	
	Author 3: Alan Ng,	DPM, FACFAS	Author 4:	David Hahn, MD		
	Author 5:		Author 6:			
	Author 7:		Author 8:			
Purpose	As total ankle arthroplasti Currently there is no cons TTR. This case series aim	ies (TAA) become more prevalent sensus for unconstrained total talu is to evaluate the clinical outcome	, there is an incr s replacements (s of combined T	reased necessity for re TTR) versus combine TAA with constrained	vision alternatives. d TAA with constrained TTR.	
Methodology						
Procedures	Four cases highlight comp initially treated with unco degeneration. Revision pr salvage. Surgical outcome	plex ankle pathologies involving t instrained TTR or TAA experience ocedures using TAA with constra es depend on the severity of the in	alar AVN, failed ed complications ined TTR provid itial injury, the c	I TAA, and post-traum s such as implant loos led pain relief, improv choice of implant, and	natic nonunion. Patients ening, pain, and joint /ed stability, and limb timely interventions.	
Results	We reviewed the medical and 2024. Patient demogr was 14.5 months and mea TTA with constrained TT	We reviewed the medical records of 4 patients who underwent TAA with constrained TTRs at our institution between 2021 and 2024. Patient demographics, preoperative diagnoses, and postoperative follow-up data were collected. Mean follow-up was 14.5 months and mean age was 35. All cases demonstrated patient satisfaction and return to activities after combined TTA with constrained TTR.				
Discussions	Combined TAA with cons improvements in pain reli establish durability and su unconstrained TTR in 2 p durability with unconstrai	strained TTR is an effective surgio of and function. Further studies w access of these implants. This cass atients. As TTRs become more pr ned versus constrained total anklo	cal option for par ith larger patien e series uncovers evalent, it would e-total talus repla	tients with end-stage a t cohorts and long-ter s the increase revision d be advantageous to o acements.	ankle pathology, providing m follow-up are needed to and complications with compare revision rates and	
Format	Case Study					
Case Rpt Followup	14					
Student Club						
Classification	Rearfoot and Ankle Record	nstruction				
Level of Evidence	Level IV					
	• •					
Authors/Financial D	Email	Disclosure(s) selected:		Die	closed Organisation(s);	
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Alan Ng, DPM, FACFAS	alan.ng@occ-ortho.com	Consultant/Advisor/Speaker	(List all affiliatio	Stry Spo Ortl ons) Uni Ortl Sina 28/4	ver Foot and Ankle/ rts Medicine, Restore 3D, nosolutions, Medline te, Organogenesis, Anika nopedics, Lifenet, aptic, and Paragon Additive Orthopedics	
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Submission ID	05-00793					Ref ID CS-793		
Title	Fungal O	Fungal Osteomyelitis of a Distal Phalanx: A Case Report						
Submit Date	10/14/2024							
Correspondent	Last Name: Full Name: Practice/Com	Robinson Bethany, M, Rob pany/Residency Pr	pinson, B.S. rogram:	Email: Midwestern	bmrobinson040 University	9@gmail.com		
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Purpose	Fungal osteor common, the presentation,	nyelitis is a rare di refore understandin diagnosis and treat	sease, and the publishe og proper diagnosis and ment of a rare disease.	ed literature is minin d treatment is key. T	nal. Treatment of fu he primary aim of	ungal osteomyelitis is not this case study is to review the		
Methodology								
Procedures	71-year-old fa presented wit developed a v follow-up MF debridement surgical patho with oral anti	emale with a medic h an infected ingro vorsening infection RI revealed osteom down to bone of the ology report include fungal therapy and	al history of type two wn toenail. A partial n and a wound which tu yelitis of the distal pha e right distal phalanx. ed degenerative chang distal amputation of th	diabetes, peripheral natrixectomy was pe racked to bone, and lanx. Patient underv A fishmouth incision es of the bone and so he hallux.	neuropathy and a c rformed. At her fol she was hospitalize went an incision an n was made longer oft tissue. The patio	chronic smoker initially llow-up appointment, she had d for fever and chills. A d drainage in the OR with in the plantar aspect. The ent was successfully treated		
Results	Right distal h healed after a	Right distal hallux amputation with confirmation of osteomyelitis of rare fungal infection, Candida. Patient successfully healed after amputation and has not had recurrence at 44 months post-op.						
Discussions	Ingrown nail matrixectomy immunocomp can be made l	Ingrown nail procedures infection rates have been reported at 15.3% for surgical matrixectomy and 2.9-5.6% for chemical matrixectomy with phenol. The rate of fungal osteomyelitis infections has steadily increased due to the growing number of immunocompromised and immunosuppressed patients. Treatments range from antifungal medication to surgery. Diagnosis can be made by ELISA, PCR, GMS stain, and cultures.						
Format	Case Study							
Case Rpt Followup	26							
Student Club								
Classification	Wound Care/	Infectious Diseases	;					
Level of Evidence	Level IV							
Authors/Financial D	oisclosures							
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Submission ID	05-00796				Ref ID CS-796			
Title	Endoscopi	Endoscopic Repair of Interstitial Plantar Fascia Ligament Tears: A Novel Technique						
Submit Date	10/09/2024							
Correspondent	Last Name: Full Name: Practice/Comp	Verdoni Tyler J. Verdo any/Residency	ni, DPM, AACFAS Program:	Email: Florida Ortho	tyler.verdoni@gmail.com opedic Foot and Ankle Center (FLOFAC)			
Authors	Author 1: Author 3: Author 5: Author 7:	Tyler J. Verdo Jay S. Badell,	ni, DPM, AACFAS DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	James M. Cottom, DPM, FACFAS			
Purpose	To describe a n	ovel procedure	e on endoscopic repair of inter-	stitial plantar fa	scial tears			
Methodology								
Procedures	4 patients were operating room overlying the p utilizing a men weeks. They be were also offer to monitor prog	identified with a. Endoscopic p lantar fascial v iscal repair sys egan physical t ed custom orth gression.	h interstitial plantar fascial teau lantar fascial portals were cre vas debrided utilizing an arthro tem. Patients were placed into herapy then and placed into a lotics once they were placed by the placed by t	rs who failed co ated in standard oscopic shaver. o a CAM boot an plantar fascial b ack into sneaker	nservative therapy. They were brought into the fashion. The thick hypertrophic scar tissue The tear was identified and primarily repaired d allowed to weight bear in the boot for 4 race for 6 weeks and regular sneakers. They s. They were followed until 1 year post surgery			
Results	At least 12 mor normal sneaker ambulate witho	At least 12 months of follow up was recorded for 4 patients. Each patient who underwent direct operative repair returned to normal sneakers in 4 weeks after surgery with a brace and without a brace 6 weeks after that. All patients were able to ambulate without pain and without recurrent plantar fasciitis at final follow up (1 year).						
Discussions	Direct endosco sacrifice the pla fascia tearing, v utilized for foo	pic repair of th antar fascia thr which is under t and ankle pro	e plantar fascial allows for con ough resection. This novel pro reported and often missed on widers who encounter interstit	mplete return to ocedure addresso heel pain work ial plantar fasci	function and activity without having to es heel pain secondary to interstitial plantar ups. We hope that this novel technique is al tears.			
Format	Case Study							
Case Rpt Followup	12							
Student Club								
Classification	Rearfoot and A	nkle Reconstru	action					
Level of Evidence	Level IV							
Authors/Financial D	oisclosures							
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):			
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Submission ID	05-00799					Ref ID CS-799		
Title	Bulk Allo	Bulk Allograft for Malunited Talus Fracture in Pediatric Patient						
Submit Date	10/12/2024							
Correspondent	Last Name: Full Name: Practice/Con	Mason Avery, J, Mas npany/Residency	son, DPM, AACFAS y Program:	Email: Nebraska Fo	amasondpm@ oot & Ankle Reco	gmail.com nstructvie Surgery Fellowship		
Authors	Author 1: Author 3: Author 5: Author 7:	Avery, J, Ma	son, DPM, AACFAS	Author 2: Author 4: Author 6: Author 8:	David, E, Wate	ers, DPM, FACFAS		
Purpose	Surgical corr	ection of malun	ited pediatric talus fracture	utilizing bulk allog	graft.			
Methodology								
Procedures	Malunion of complication address assoc at an outside revealed mal underwent su implantation with intraope	talus fractures in s such as chroni ciated deformition facility. Two yes union with signi urgical intervent of bulk allograf rative fluorosco	n pediatric patients present c pain and impaired mobil es. We report the case of a ars post-injury, she present ificant central impaction ar ion involving medial malle t to restore anatomy and st py confirming proper plac	s a challenging clin ity. Surgical interve 15-year-old female ted with persistent p ad joint incongruen- colus takedown with ability. The procedu ement.	ical scenario, ofte intion is necessary who sustained a t vain and restricted ce. After thorough a excision of the n ure was performed	n leading to long-term / to restore function and alus fracture treated surgically I range of motion. Imaging 1 evaluation, the patient nalunited fracture site and d under general anesthesia,		
Results	Postoperative allograft and returned to n	ely, the patient v restoration of ta ormal activities.	vas monitored for 15 mont lar alignment, with no sign	hs. Radiographic ar ns of osteonecrosis.	alysis demonstrat The patient repor	ted successful integration of the ted resolution of pain and		
Discussions	This case illu Early interve Further studi	strates the effect ntion and carefu es are warranted	tive use of bulk allograft in Il surgical planning can lea I to explore long-term imp	n the management of d to favorable func lications and optimi	of malunited talus tional outcomes a ize treatment strat	fractures in pediatric patients. nd restoration of quality of life. egies		
Format	Case Study							
Case Rpt Followup	16							
Student Club								
Classification	Rearfoot and	Ankle Reconstr	ruction					
Level of Evidence	Level IV							
Authors/Financial D	Disclosures							
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):		
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Submission ID	05-00800					Ref ID CS-800		
Title	Multipla	Multiplanar Osteotomy for Equinovarus Malunion of Tibiotalar Joint: A Case Study						
Submit Date	10/12/2024							
Correspondent	Last Name: Full Name: Practice/Com	Mason Avery, J, Mas npany/Residency	on, DPM, AACFAS Program:	Email: Nebraska Fo	amasondpm@j ot and Ankle Reco	gmail.com onstructive Surgery Fellowship		
Authors	Author 1: Author 3: Author 5: Author 7:	Avery, J, Mas Ashley, L, An	on, DPM, AACFAS derson PA-C	Author 2: Author 4: Author 6: Author 8:	David, E, Wate	rs, DPM, FACFAS		
Purpose	Surgical corr symptoms an	ection of equino d union of tibiot	varus malunion of tibiotala alar joint in rectus position	ar joint using a mul 1.	tiplanar osteotomy	resulting in decrease of		
Methodology								
Procedures	Malunion aft deformities. 7 present in the equinovarus a malunion of mobility. Pree multiplanar of and sagittal p	er ankle fusion c Traditional corre ese cases. This st ankle fusions. W the tibiotalar joir operative imagin steotomy of the lane alignments.	an lead to significant func ction methods may not ad- udy investigates the effica ie report the case of a 47-y tt resulting in a significant g revealed notable angula tibia and talus, strategicall Post-surgical assessment:	tional impairment, equately address the cy of a multiplanar ear-old male with a equinovarus defor r deformities and jo y designed to addres s included radiograp	pain, and deformi e complex bony au osteotomy techni- history of ankle f mity, causing chroo pint misalignment. ess the deformity l phic evaluations.	y, particularly in equinovarus ad soft tissue imbalances que for correcting malunited usion who presented with a nic pain and impaired The patient underwent a by correcting both the coronal		
Results	Patient had a tibiotalar joir	decrease in pain at with rectus pos	and increase in mobility f	ollowing surgical c	orrection and unio	on was observed across the		
Discussions	Multiplanar of illustrates the only correcte cases. Furthe	effectiveness of d the deformity l r research is need	tts a viable surgical option 7 multiplanar osteotomy in but also restored function, ded to validate these findin	for correcting malu managing malunite underscoring its po- ngs and optimize tro	united equinovaru ed equinovarus an otential as a viable eatment protocols	s ankle fusions. This case kle fusion. The technique not surgical option in similar for ankle malunion.		
Format	Case Study							
Case Rpt Followup	24							
Student Club								
Classification	Rearfoot and	Ankle Reconstru	action					
Level of Evidence	Level IV							
Authors/Financial D	isclosures							
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):		
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Ashley, L, Anderson PA-C

Submission ID	05-00801 Ref ID CS-80									
Title	Flexor Digitor with concurre	Flexor Digitorum Accessorius Longus Muscle contributing to Tarsal Tunnel Syndrome with concurrent Posterior tibial Tendon Dysfunction								
Submit Date	10/12/2024									
Correspondent	Last Name: Mas	son								
	Full Name: Ave	ry, J, Mason, DPM, AACFAS	Email:	amasondpm@gmail.com						
	Practice/Company/	Residency Program:	Nebraska Fo	ot and Ankle Reconstructive Surgery Fellowship						
Authors	Author 1: Ave	ry, J, Mason, DPM, AACFAS	Author 2:	David, E, Waters, DPM, FACFAS						
	Author 3:		Author 4:							
	Author 5:		Author 6:							
	Author 7:		Author 8:							
Purpose	Surgical treatment of tunnel syndrome (T	of rare flexor digitorum accessorius TS) and concurrent PTTD.	longus muscle (FD.	AL) causing the patient to experience tarsal						
Methodology										
Procedures	TIS is characterize numbness, and wea PTTD-further exacc positioning within t deformity. Imaging exploration confirm The patient underw calcaneal osteotomy symptoms and func	d by compression of the posterior ti kness in the foot. A rare case of FD, robating the patient's symptoms. Th he tarsal tunnel. Case Study: Patien studies revealed hypertrophy of the ed the presence of the FDAL, whic ent surgical decompression, includit v and gastrocnemius recession. Post tional recovery.	bial nerve as it travy AL muscle contribu e FDAL may lead to t presented with TT FDAL and signs of h was compressing ng resection of the h operative assessment	reses the tarsal tunnel, leading to pain, ting to TTS, was identified with concurrent is increased tension and abnormal anatomical S symptoms as well as PTTD given pes planus Posterior tibial tendon insufficiency. Surgical the posterior tibial nerve within the tarsal tunnel. sypertrophical FDAL and a medial displaced ats indicated significant improvement in						
Results	The patient had con	plete resolution of pain after remov	ving the FDAL and	reconstructing their flatfoot deformity.						
Discussions	This case highlights anatomical variation FDAL and the poste approach to manage treatment strategies	This case highlights the role of the FDAL in TTS, particularly in conjunction with PTTD. Clinicians should consider anatomical variations of the FDAL when evaluating patients with TTS symptoms. Surgical intervention targeting both the FDAL and the posterior tibial tendon can lead to favorable outcomes, underscoring the importance of a comprehensive approach to management. Further studies are needed to explore the prevalence of FDAL in TTS and its implications for treatment strategies.								
Format	Case Study									
Case Rpt Followup	15									
Student Club										
Classification	Neurological/Peripl	neral Nerve Disorders								
Level of Evidence	Level IV									
Authors/Financial D	isclosures									
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Paragon 28

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Submission ID	05-00804 Ref ID C								
Title	Novel Use o Immunoco	Novel Use of Dorsal Skin Flaps for Transmetatarsal Amputation Closure in an Immunocompromised Patient Post-Septic Shock Following a Dog Bite							
Submit Date	10/14/2024								
Correspondent	Last Name:	Dang							
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	Practice/Compa	ny/Residenc	y Program:	Inspira Health	Network				
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	Author 7:			Author 8:					
Purpose	A patient presen bacteremia unde dorsal skin flaps	nting with bil erwent bilate s and intrinsi	ateral foot gangrene and extensiv ral transmetatarsal amputations, a c muscle support.	ve plantar skin n achieving succe	ecrosis secondary to Capnocytophaga ssful closure through the innovative use of				
Methodology									
Procedures	A 70-year-old m extensive planta transmetatarsal injection, and pe the right foot us	A 70-year-old male with a history of non-Hodgkin lymphoma and splenectomy presented with bilateral foot gangrene and extensive plantar skin necrosis, secondary to Capnocytophaga bacteremia following a dog bite. He initially underwent a transmetatarsal amputation (TMA) of the left foot, which was closed using a dorsal skin flap, connective tissue matrix injection, and percutaneous Achilles tendon lengthening. Three weeks later, a similar TMA procedure was performed on the right foot using the same techniques.							
Results	At three months fillers in bilatera scheduled for a	postoperativ al shoes. He six-month fo	vely, the dorsal flaps healed well, tolerated shoe modifications and ollow-up for high-risk foot care.	and the patient maintained bala	progressed to full weight-bearing with TMA ance without complications. The patient is now				
Discussions	Dorsal skin flap and limited soft podiatric consul prompting the in TMA in this im	s are general tissue cover tation allowe nnovative us munocompro	ly not the first choice for TMA c age. In this case, although bilater ed for a limb-salvage strategy. Th e of intrinsic plantar muscles alon mised patient.	losure due to co al below-the-kn e extensive plan ng with dorsal s	oncerns about inadequate neurovascular supply see amputations were initially recommended, a ntar necrosis complicated the wound closure, kin flaps for successful primary closure of the				
Format	Case Study								
Case Rpt Followup	18								
Student Club									
Classification	Wound Care/Inf	fectious Dise	ases						
Level of Evidence	Level IV								
Authors/Financial Di	sclosures								
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Submission ID	05-00805					Ref ID CS-805		
Title	A Paradigm Shift: Unilateral Mini External Fixation and Arthrodiastasis for Innovative Treatment of Calcaneal Fractures with Rafting Screws							
Submit Date	10/14/2024							
Correspondent	Last Name: Full Name: Practice/Com	Warciak David Warcia pany/Residency	ak, DPM y Program:	Email: Ascension St.	sjhdavid.warci Joseph Chicago	iak@gmail.com		
Authors	Author 1: Author 3: Author 5: Author 7:	David Warcia Remmy Owo Narendra Raj	ak, DPM ır, DPM inikant Patel, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Lauren Simon Hany Shahin,	, DPM DPM		
Purpose	We describe a treating calcar	a case series util neal fractures a	lizing mini external fixation for a nd improving their outcomes.	arthrodiastasis a	and rafting screw	vs as an effective technique for		
Methodology								
Procedures	We retrospectively evaluated charts of patients that underwent calcaneal fracture repairs with external fixation and rafting screws between January 2020 - October 2023. We recorded time from injury until surgery, time with external fixator, time until weight bearing, complications, and length of follow up. Three patients underwent open reduction with combined internal and external fixation via mini external fixator for arthrodiastasis and rafting screws for treatment of closed calcaneal fractures. All three patients presented with posterior facet depression with varus deformity.							
Results	All three patie after 6.3 week months. There	All three patients healed successfully following our treatment protocol. Mini external fixators were removed on average after 6.3 weeks. Weight bearing began on average 7.7 weeks after the primary procedure. Average follow up time was 17.7 months. There were no significant complications noted at final follow up time.						
Discussions	Calcaneal frac favorable resu compared to t screws allows requirement f impingement	cture treatment ilts as patients a raditional techr for more stable or plate fixation as cast immobi	utilizing the combination of min are able to weight bear earlier an iques due to the unique usage o e fixation of subtalar fracture fra . Patients may also perform earl lization is not necessary.	i external fixati d ambulate with f arthrodiastasis gments. In com lier ankle range	on for arthrodia h less pain. This and rafting scrubination with a of motion exerci-	stasis and rafting screws yields technique is superior when ew fixation. Usage of rafting mini rail, there is no cises to prevent scar tissue		
Format	Case Study							
Case Rpt Followup	18							
Student Club								
Classification	Trauma							
Level of Evidence	Level IV							
Authors/Financial Dis	sclosures							
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Submission ID	05-00806	05-00806 Ref ID CS-80						
Title	Amnion I	Amnion Injection: Alternative Treatment for Delayed Union?						
Submit Date	10/01/2024							
Correspondent	Last Name: Full Name: Practice/Com	Reddy Apeksha Red pany/Residenc	ldy, DPM, MPH y Program:	Email: HCA Florida	areddy@barry.edu Mercy Hospital			
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	Author 5: Author 7:			Author 6: Author 8:				
Purpose	Avulsion frac limited blood radiographs. V considered, th fracture of the	tures of the fift supply at the b When conserva ough research e fifth metatars	h metatarsal are challenging to ase. These injuries, typically o tive treatment fails, amnion in on their use for delayed fractu al, from initial injury through	o manage nonope caused by ankle is jections - commo re healing is limi delayed union to	ratively, often prone to poor healing due to nversion, can be mistaken for sprains without only used for tissue injuries - may be ted. This case study follows a patient's avulsion successful healing.			
Methodology	N/A							
Procedures	A 51-year-old metatarsal ba two weeks, m was confirme Follow-ups sl rays showed s	A 51-year-old female presented with pain in the left fifth metatarsal after rolling her ankle. X-rays showed a fifth metatarsal base fracture, and she was advised to be non-weight bearing in a CAM boot and use Tylenol and Voltaren. At two weeks, minimal improvement led to adding Vitamin C, D, and a bone stimulator. At the 3 month mark, delayed union was confirmed via ultrasound. The patient chose an amnion particulate injection, administered under ultrasound guidance. Follow-ups showed increased callus formation and symptom improvement. At 2.5 months following amnion injection, x-rays showed is injection bealing and the was able to walk without nain.						
Results	After the amr rays revealed	ion injection, f significant hea	ollow-ups showed increased c ling with no discomfort during	allus formation, s g ambulation.	symptom improvement, and by 2.5 months, x-			
Discussions	Amnion mem further clinica	brane has shov Il trials, it has t	vn excellent results in treating he potential to be an effective	soft tissue pathol option for non-u	logies, supported by numerous studies. With nion fractures.			
Format	Case Study							
Case Rpt Followup	24							
Student Club								
Classification	Trauma							
Level of Evidence	Level IV							
Authors/Financial Di	sclosures							
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):			
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Submission ID	05-00807			Ref ID CS-807			
Title	Fibular Allograft Intramedullary Nail: A Case Series						
Submit Date	10/06/2024						
Correspondent	Last Name: Madulapally						
	Full Name: Lahari		Email:	laharimadulapally@gmail.com			
	Practice/Company/Residency	y Program:	Foot & Ank	le Specialists of Ohio			
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	Author 3: Rachel Asche	eman, DPM	Author 4:	Stephen J Frania, DPM, FACFAS			
	Author 5:		Author 6:				
	Author 7:		Author 8:				
Purpose	Diabetic neuropathy with the During acute Charcot, the ris and a plantigrade foot are err midfoot beaming, can have h is to present seven patients w instead of a standard metal ir	onset of Charcot neuroarthr k of ulceration and infection ucial for limb preservation. C igh rates of infection and han tho underwent a novel limb s utramedullary nail	opathy often lead is significantly of urrent interventi rdware failure du salvage procedur	Is to significant deformities and complications. elevated. Proper offloading of the ulcerative area ons, such as intramedullary (IM) nails and e to shifting of bone and hardware. The purpose e involving a fibular allograft intramedullary nail			
Methodology							
Procedures	The multi-staged treatment in application of external fixatia allograft fibula was shaped to allograft was inserted in the removed, and patients were a	ncluded excision of chronic v on to initially correct the defo o a similar length and diamet same fashion as a standard IM Illowed to weight bear in a pa	wounds with tale ormity. Once stal er of a standard 1 M nail. Approxin atellar tendon-be	ctomy, use of autologous bone graft, and ole and free from wounds and infection, an IM nail. The tibia was reamed, and the fibula nately six weeks later, the external fixation was aring brace (PTB) or CROW boot.			
Results	Of the seven patients, six are tibia, resulting in an above-th	Of the seven patients, six are currently ambulating with bracing, while one patient developed an infection in the proximal tibia, resulting in an above-the-knee amputation.					
Discussions	This novel approach demons neuroarthropathy, offering a nails and midfoot beaming.	This novel approach demonstrates promising results in limb salvage for patients with diabetic neuropathy and Charcot neuroarthropathy, offering a potential alternative to traditional hardware-intensive interventions such as intramedullary nails and midfoot beaming.					
Format	Case Study						
Case Rpt Followup	12						
Student Club							
Classification	Rearfoot and Ankle Reconstr	Rearfoot and Ankle Reconstruction					
Level of Evidence	Level IV	Level IV					
Authors/Financial D	visclosures						
Full Name:	Email:	Disclosure(s) selected:		Disclosed Organisation(s):			
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Submission ID	05-00809 Ref ID 0							
Title	Applicati Fracture	Application of a Custom 3D Printed Fibular Implant for a Non Union of a Weber C Fracture						
Submit Date	10/02/2024							
Correspondent	Last Name: Full Name: Practice/Com	Eljaua Sahjar A Eljaua, DPM, PGY-3 ıpany/Residency Program:	Email: Corewell He	sahjar.eljaua@corewellhealth.org alth Hospital- Wayne				
Authors	Author 1: Author 3: Author 5: Author 7:	Lawrence Fallat, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:					
Purpose	The distal one the fracture a allows for de needs, as wel as a successfu	e third of the fibula is the most common si nd is found to be more symptomatic and p sign flexibility and permits production of p l as provide greater mechanical stability. T al functional surgical treatment option to re	te for a nonunion. F ainful. For nonunio personalized surgica his case documents esolve a symptomat	Is and other deformities, 3D implant technology products that are conformed to the patient's that a custom 3D fibular implant can be utilized ic nonunion of a Weber C fracture.				
Methodology								
Procedures	A 45-year-old fibula and sta stimulator. Ra the diaphysis	I male underwent resection of the chronic ibilization of tibiofibular syndesmosis, afte adiographs and CT scans of the left ankle s of the fibula as well as shortening of the fi	nonunion of the fibe r failing insertion o howed a complete ibula.	a with insertion of a custom 3D implant in the f a femoral autograft as well as a bone nonunion of the fracture site at the distal 1/3 of				
Results	Currently the	patient is weight bearing in supportive sho	bes with 0/10 pain u	using the VAS.				
Discussions	Standard trea exist who fail has evolved a successfully 1	tment algorithm for a painful and malalign l conventional grafting. Custom 3D implan und has become a promising technology for manage a variety of deformities including r	ed non union propo its are a viable treat r the medical indust non unions.	ses using grafting with ORIF. Many patients ment option compared to autografts. 3D printing ry including the foot and ankle surgical field to				
Format	Case Study							
Case Rpt Followup	12							
Student Club								
Classification	Rearfoot and	Ankle Reconstruction						
Level of Evidence	Level IV							
Authors/Financial D	isclosures							
Full Name:	Email:	Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-00816 Ref ID CS-						
Title	Tibial Cancellous Implant Arthropl Series	Tibial Cancellous Interpositional Autograft in First Metatarsophalangeal Joint Implant Arthroplasty Takedown and Conversion to Distraction Arthrodesis: A Case Series					
Submit Date	10/14/2024						
Correspondent	Last Name: Patel						
	Full Name: Dhruv S.	Patel, DPM	Email:	dhruvspatel7196@gmail.com			
	Practice/Company/Resid	ency Program:	Katherine Sha	w Bethea Hospital			
Authors	Author 1: Dhruv S.	Patel, DPM	Author 2:	Roshni Patel. DPM			
	Author 3: James W	helan, DPM, FACFAS	Author 4:				
	Author 5:		Author 6:				
	Author 7:		Author 8:				
Purpose	Arthrodesis of the first n This case study presents tibial interposition autog cancellous tibial autogra	etatarsophalangeal joint (MTPJ) is a successful technique for convertin aft. While previous research has ex t in this context has not been docur	a valuable optio ng failed arthrop xplored calcanea mented.	on for patients with failed MTPJ arthroplasty. lasty to distraction arthrodesis using cancellous l and iliac crest autografts, the use of			
Methodology							
Procedures	MTPJ arthroplasty is ass significant osseous defec for restoring metatarsal l arthrodesis following art	ociated with high complication rate ts, contributing to nonunion rates a ength and ensuring stable arthrodes proplasty failure.	s and variable of s high as 16.5%. is. We report two	utcomes. Implant failure often leads to Thus, effective revision techniques are crucial o successful cases of MTPJ distraction			
Results	Cancellous tibial autogra stabilization with a dorsa MTPJ, with length restor	ft was harvested approximately 2 c l bridge plate, achieving a 100% fu ed and proper alignment maintaine	m proximal to th sion rate. Both c d.	he ankle joint to restore length, followed by ases demonstrated successful union at the 1st			
Discussions	The findings from Kindr 100% fusion, reinforcing effectively mitigated the arthrodesis after failed M excellent clinical outcom	ed et al. and Lowey et al. support th that cancellous tibial autograft can risks of nonunion seen with structu TPJ arthroplasty. We recommend t es and addresses significant osseou	he efficacy of au be a reliable alt ral grafts and sh his approach for us defects effecti	tografts similar in quality, with both achieving emative in revision surgeries. Our technique ows promising results for distraction patients requiring revision, as it provides vely.			
Format	Case Study						
Case Rpt Followup	14						
Student Club							
Classification	Forefoot Reconstruction						
Level of Evidence	Level IV						
Authors/Financial Di	isclosures						
Full Name:	Email:	Disclosure(s) selected:		Disclosed Organisation(s):			
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Submission ID	05-00817			Ref ID CS-817				
Title	Overcoming th Custom 3D Pri	Overcoming the "Deathstar": A Case Report on Tibiotalocalcaneal Arthrodesis with Custom 3D Printed Talar Cage Implant and Intramedullary Nailing						
Submit Date	10/03/2024							
Correspondent	Last Name: Kaya Full Name: Emm Practice/Company/Re	l a R. Kayal, DPM, AACFAS esidency Program:	Email: Rmreconfel Rocky Mountain Reconstru	lowship@gmail.com ctive Foot and Ankle Fellowship				
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Purpose	We present the succes with a custom 3D pri This case aims to den reconstructions, empl	We present the successful functional outcomes of a 37-year-old male who underwent left tibiotalocalcaneal arthrodesis with a custom 3D printed titanium talar implant (a.k.a. "Deathstar") and intramedullary nailing for talar avascular necrosis. This case aims to demonstrate the efficacy and revision alternative of custom 3D implants in complex ankle and hindfoot reconstructions, emphasizing their role in limb salvage and functional restoration.						
Methodology								
Procedures	We present the case of who underwent multi preserve the limb, he intramedullary nailing	of a 37-year-old male with a significant ple surgeries to provide a functional li underwent a left tibiotalocalcaneal arth g for the management of advanced pos	past medical history for left of mb as a result from talar AVN prodesis with custom 3D titani t-traumatic arthritis and talar	open extruded talus 3 years prior and infection. In a last effort to ium talar implant and AVN.				
Results	Our results showed th developed hardware months following the recovery. He ambulat	Our results showed the patient experienced significant pain relief and functional improvement postoperatively but developed hardware-related complications requiring intramedullary nail exchange 11 months after the initial procedure. 4 months following the nail exchange and 20 months since the primary surgery, the patient demonstrates excellent functional recovery. He ambulates in regular footwear, has returned to recreational hiking, and reports no significant pain.						
Discussions	This case highlights t of life in a young pati timely intervention an results.	This case highlights the success of a custom 3D talar implant with intramedullary nailing in restoring function and quality of life in a young patient with complex hindfoot pathology. The overall clinical outcome was favorable, demonstrating timely intervention and appropriate revision surgery with custom 3D implantation can lead to pain control and functional results.						
Format	Case Study							
Case Rpt Followup	20							
Student Club								
Classification	Rearfoot and Ankle R	Reconstruction						
Level of Evidence	Level Iv							
Authors/Financial Dis	sclosures	Dialeman (a) selected		Distant Operation()				
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Submission ID	05-00819 Ref ID CS-81						
Title	Crossing	Crossing Screw Fixation in First Proximal Phalanx Fracture Nonunion: A Case Report					
Submit Date	10/04/2024						
Correspondent	Last Name: Full Name: Practice/Com	Wroblewski Alec R. Wro pany/Residenc	blewski, DPM y Program:	Email: Atrium Healtl	awroble11@gmail.com 1 Wake Forest Baptist		
Authors	Author 1: Author 3: Author 5: Author 7:	Alec R. Wro Nicholas S.	blewski, DPM Powers, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Brennan K. Reardon, DPM		
Purpose	Pedal phalang nonunion, spe displaced/mir case study rep phalangeal no	Pedal phalangeal fractures are common, however literature is lacking with regards to reported treatment options of nonunion, specifically in the hallux proximal phalanx. This is probably because most phalangeal fractures are non- displaced/minimally displaced, and conservative management is suitable for adequate healing and return of function. This case study reports on a single fixation technique to hopefully contribute to the paucity in current literature regarding phalangeal nonunion.					
Methodology							
Procedures	This first proximal phalanx nonunion initially presented to the clinic following a traumatic injury and emergency room visit with radiographic analysis revealing a closed, mildly displaced first proximal phalanx fracture. Initial conservative treatment failed, no radiographic progression noted, nonunion confirmed via 3.5 month CT scan. Patient was treated operatively with open reduction and internal fixation with two 2.5 mm headless crossing screws, bone graft and bone stimulator.						
Results	Radiographic No hardware	Radiographic union was noted at 3 month follow up via post-operative CT scan. Patient reported complete relief of pain. No hardware failure or clinical complications were experienced in the post-operative period.					
Discussions	Despite how o literature rega plate fixation Open reductio case of nonum	common digita arding current t (including use on internal fixa aion of a closed	l fractures are, the occurrence reatment techniques. Similar of small facial plates), cross- tion with the use of two cross l, first proximal phalanx fract	e of nonunion is rat cases of nonunion pin fixation, and so sing 2.5 mm headle ure.	e or under-reported, leaving a paucity in in literature have found success with dorsal crew fixation with and without bone grafting. ss screws appears to be a viable option in a		
Format	Case Study						
Case Rpt Followup	16						
Student Club							
Classification	Trauma						
Level of Evidence	Level IV						
Authors/Financial Di	sclosures						
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Submission ID	05-00822				Ref ID CS-822			
Title	A Rare C	A Rare Case of Angioleiomyoma Presenting as Heel Pain in the Foot: A Case Report						
Submit Date	10/05/2024							
Correspondent	Last Name: Full Name: Practice/Con	Wroblewski Alec R. Wro npany/Residenc	blewski, DPM y Program:	Email: Atrium Health	awroble11@gmail.com Wake Forest Baptist			
Authors	Author 1: Author 3: Author 5: Author 7:	Alec R. Wro John P. Bony	blewski, DPM /illian, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Devon J. Niewohner, DPM Hayden M. Bush, DPM			
Purpose	Angioleiomy rare in the fo lack of literat prolonging tr	Angioleiomyoma is a benign soft tissue tumor that can commonly occur in the lower extremities, however occurrence is rare in the foot. There's only a handful of documented cases in literature regarding occurrence in the foot. This rarity and lack of literature regarding varying clinical presentation can contribute to missed and/or delayed diagnoses, often prolonging treatment and surgery for the patient.						
Methodology								
Procedures	Angioleiomy mild or often This case of a including Ac (MRI) reveal	romas are benig asymptomatic, an angioleiomy hilles tendonitis ed a suspicious	n tumors arising from smo making clinical diagnosis oma presented to the clinic s and Haglund's deformity. lesion to the posterior-late	oth muscle cells of va challenging without c as persistent posterio After having failed m ral heel concerning for	scular structures. Their clinical presentation is lose tissue/histopathological examination. r-lateral heel pain with initial differentials ost conservative measures, advanced imaging r a benign vs malignant etiology.			
Results	Excisional bi activity or ne immunohisto Post-operativ	Excisional biopsy revealed a benign appearing spindle-cell neoplasm with interspersed thick-walled vessels. No mitotic activity or necrosis was identified. The tumor was positive for SMA with weak positivity for desmin on immunohistochemistry. The vascular endothelium was positive for ERG. Findings were consistent with angioleiomyoma. Post-operative course was uneventful and patient reported complete relief of her pain upon surgical excision.						
Discussions	The clinical j diagnoses. C diagnostic tir	presentation of a urrent literature ning and accura	soft tissue tumors in the low would benefit from such c acy.	wer extremity can var ase reports to better u	y leading to frequent missed or delayed nderstand the pathology and improve			
Format	Case Study							
Case Rpt Followup	12							
Student Club								
Classification	Soft Tissue/T	umor						
Level of Evidence	Level IV							
Authors/Financial D	isclosures							
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Submission ID	05-00825 Ref ID CS-						
Title	Giant Cell Tumor of Importance of Early	Giant Cell Tumor of the Tibia - Case Study Highlighting Limb Salvage and the Importance of Early Diagnosis and Treatment					
Submit Date	10/04/2024						
Correspondent	Last Name: Williams						
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Authors	Author 1: Aspen Willia Author 3: Marco Bason	ams, DPM ne, DPM	Author 2: Author 4:	Paul Rayward, DPM Robert J. Stabile, DPM. FACFAS.			
	Author 5: Author 7:		Author 6: Author 8:				
Purpose	Giant Cell Tumors are benig surrounding tissue, and mali return to daily activities. The surgical considerations can b	Giant Cell Tumors are benign osseous tumors, but possess the potential for aggressive expansion, destruction of surrounding tissue, and malignant transformation. Prompt diagnosis and treatment are integral in patient limb salvage and return to daily activities. Thus, it is essential to understand the appropriate interdisciplinary treatment approach, and what surgical considerations can be made to salvage a patient's extremity.					
Methodology							
Procedures	A 37 year old male presenter tibia. The patient denied any distal tibia. Subsequent MRI confirmed diagnosis.	A 37 year old male presented with left lower leg pain and a palpable osseous prominence at the level of the distal medial tibia. The patient denied any history of trauma or any precipitating incident. Xray demonstrated a metaphyseal lesion of the distal tibia. Subsequent MRI and CT suggested an expansile Giant Cell Tumor of the distal tibia. Biopsy was taken and confirmed diagnosis.					
Results	Prompt diagnosis and treatm autograft, and external fixati removal of tumor without re	Prompt diagnosis and treatment of Giant Cell Tumor via surgical resection, chemical cauterization with phenol, iliac crest autograft, and external fixation in conjunction with pharmacological treatment and oncology referral, resulted in successful removal of tumor without recurrence and the salvage of the patient's lower extremity.					
Discussions	Although considered a benig transformation. Following d surgical resection, chemical- therapy should be utilized. C and soft tissue defects that re	in tumor, Giant Cell Tumors can iagnosis with advanced imaging cautery with phenol, electrocauto Often, these lesions can be notable equire extensive reconstructive so	expand aggress and biopsy, an i ery, external fix y expansile; the urgery in order	ively and have the potential for malignant nterdisciplinary treatment plan consisting of ation, and possible pharmacological adjunctive refore, resection can result in large osseous to return the patient to function.			
Format	Case Study						
Case Rpt Followup	26						
Student Club							
Classification	Soft Tissue/Tumor						
Level of Evidence	Level IV						
Authors/Financial Di	sclosures						
Full Name:	Email:	Disclosure(s) selected:		Disclosed Organisation(s):			
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Submission ID	05-00827 Ref ID C						
Title	Long Term Follo Arthrodesis: A C	Long Term Follow-Up of Titanium Truss Utilization for Salvage of Failed Lapidus Arthrodesis: A Case Series					
Submit Date	10/06/2024						
Correspondent	Last Name: Brandt Full Name: Mary, R Practice/Company/Resi	, Brandt, DPM, AACFAS dency Program:	Email: West Penn H	mrbrandt9@gmail.com ospital Foot & Ankle Institute			
Authors	Author 1:MadisonAuthor 3:Alan, R.Author 5:Author 7:	n, K, Burandt, DPM Catanzariti, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Mary, R, Brandt, DPM, AACFAS			
Purpose	A lapidus arthrodesis is a common complication arthrodesis. Nonviable l success of titanium trus	A lapidus arthrodesis is a successful and predictable operation for correction of hallux valgus. However, nonunion remains a common complication. There are multiple technical challenges and surgical considerations to perform a revision arthrodesis. Nonviable bone must be resected resulting in shortening of the first ray. Our study encompasses the long-term success of titanium trusses in revision lapidus and the technical challenges this salvage procedure entails.					
Methodology							
Procedures	This case study presents trusses secondary to pai the fusion site. Each har	This case study presents three patients who underwent revision lapidus arthrodesis with use of prefabricated titanium trusses secondary to painful nonunion and significant first ray shortening. Preoperative CT scans confirmed nonunion of the fusion site. Each hardware construct varied depending on adequate surrounding bone following hardware removal.					
Results	Each patient is now bety demonstrated successfu complications occurred ambulation.	Each patient is now between 30-36 months status post revision lapidus arthrodesis. Postoperative radiographs demonstrated successful fusion with restoration of the sagittal plane, first ray length, and metatarsal parabola. No complications occurred regarding the structural integrity. Each patient returned to shoe gear by four months with pain free ambulation.					
Discussions	While standard of care n resorb whereas titanium prefabricated trusses can radiographic union, and presents multiple cases	nay be bone grafting with arthroo wedges offer mechanical strengt n be easily accessible for surgeon patient satisfaction; however, the with long-term follow-up and the	lesis, autogenous b h. While custom tr s. Other studies ha e follow-up in these application of pre	one grafts have been found to disintegrate and russes are beneficial for specialized cases, we proven success in first ray stability, e studies was less than a year. Our study fabricated trusses in first ray reconstruction.			
Format	Case Study						
Case Rpt Followup	36						
Student Club							
Classification	Forefoot Reconstruction	1					
Level of Evidence	Level IV						
Authors/Financial Di	isclosures	Distance (a) set of a		Dischard One single ()			
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Submission ID	05-00828 Ref ID C						
Title	A Rare Case Outcome	A Rare Case of Idiopathic Distal Tibial Avascular Necrosis: Surgical Management and Outcome					
Submit Date	10/14/2024						
Correspondent	Last Name: B	halala					
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Purpose	Avascular necross mechanism of AV bone repair.	is (AVN) of the distal tibia is a rare con N, but in nontraumatic cases, it is thou	dition with limited ght to result from	l documentation in medical literature on exact vascular compromise, bone death, or imp aired			
Methodology							
Procedures	A 39-year-old ferr history of trauma no neurovascular radiolucency acro non-weightbearin intervention that i the cortical windo and reduce the ris	nale presented to our clinic complainin Physical exam was significant for loc- impairment. She has no history of tobe ses distal tibia. An MRI was obtained th g in a CAM boot with no significant pa- included cortical windowing and curet www. We believe that this technique woul k of ankle osteoarthritis and complicat	g of 6-month histo alized, moderate au cco or recent corti lat revealed AVN t in reduction over age, along with de d provide satisfactions.	ry of right ankle pain and edema without any hkle edema with tenderness to touch. There was costeroid use. Radiographs demonstrated o the distal tibial medullary canal. Patient was the next month. Patient underwent surgical compression and bone grafting and fixation of tory support to the joint line, prevent collapse,			
Results	At 13 months pos showed bone con	t-surgery, the patient has remained pair solidation and maintained ankle alignm	n-free in the ankle ment.	and weight-bearing in shoes. Radiographs			
Discussions	Distal tibial AVN treatment. Surgics show promise for	is a rare and challenging condition to o al techniques such as cortical windowin early-stage disease, while more advan	liagnose and mana ng and curettage, a ced cases may requ	ge, with limited literature available to guide long with decompression and bone grafting, uire joint fusion or replacement.			
Format	Case Study						
Case Rpt Followup	13						
Student Club							
Classification	Rearfoot and Ank	le Reconstruction					
Level of Evidence	Level IV						
Authors/Financial D	visclosures						
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Submission ID	05-00841					Ref ID CS-841
Title	Closed Ro Dislocatio	eduction and lon: A Case Re	Percutaneous Sta port	bilization of	a Rare, Isolat	ted Cuboid Fracture-
Submit Date	10/06/2024					
Correspondent	Last Name: Full Name: Practice/Com	Korwek Zachary pany/Residency Pr	ogram:	Email: Yale New Ha	zachary.korwek aven Hospital	@yale.edu
Authors	Author 1: Author 3: Author 5: Author 7:	Zachary Korwek Timothy P Cheur Peter Blume, DP	ng, DPM, PhD, CPT M, FACFAS	Author 2: Author 4: Author 6: Author 8:	Arij Rashid, DI David Caminea	PM r, DPM, FACFAS
Purpose	The purpose of cuboid fracture	of this case report is re-dislocation.	s to evaluate a closed red	uction and percut	aneous stabilizatio	n approach to a rare, isolated
Methodology						
Procedures	Cuboid fractu open reduction stabilization of	re-dislocations rare n with internal or e of an isolated cuboi	ely occur in isolation. Few external fixation. This cas d fracture-dislocation in	w cases are report se reports the succ a 30 year old male	ed in the podiatric essful closed reduce.	literature, all recommended ction and percutaneous
Results	A 30 year old softball game 24 hours. Une applied planta joints into the operatively. C accommodati	male with no signi . XR and CT revea der general anesthe rly was successful cuboid for stabiliz One year post-op, th ve sneakers.	ficant medical history pr led a plantar-medial dislo sia, axial distraction of th in close reducing the cut ation. The patient remain e patient reports minima	esented to the ED ocation of the cub- le 4th and 5th TM ooid. Two smooth and non-weight be l pain to the CC jo	after suffering an oid. Surgical interv T joints with simu k-wires were driv aring and k-wires oint that is well tol	injury to the left foot during a vention was performed within ltaneous supero-lateral force en across the 4th and 5th TMT were removed 1 month post- erated with orthotics and
Discussions	To our knowl an isolated cu dislocations s reduction wit	To our knowledge, this is the first report in the podiatric literature of a closed reduction and percutaneous stabilization of an isolated cuboid fracture-dislocation. This case report refutes the prior assumption that isolated cuboid fracture- dislocations should be treated with open reduction. Although rare, this case highlights the importance of considering closed reduction with percutaneous stabilization under general anesthesia.				
Format	Case Study					
Case Rpt Followup Student Club	12					
Classification	Trauma					
Level of Evidence	Level IV					
Authors/Financial D	oisclosures					
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):
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Submission ID	05-00847					Ref ID CS-847		
Title	Pedal Par	Pedal Partition: Anatomical Insights into the Bipartite Talus						
Submit Date	10/14/2024							
Correspondent	Last Name: Full Name: Practice/Com	Leaman Michael P. pany/Resider	Leaman, DPM cy Program:	Email: HCA Florida	drmpleaman(Northwest	@gmail.com		
Authors	Author 1: Author 3: Author 5: Author 7:	Michael P. Jonathan A Carlo A. M	Leaman, DPM . Yazhari, DPM essina, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Justin R. Vila Alan A. Mac	iseca, DPM Gill, DPM, FACFAS		
Purpose	This case pre contributing i	sentation and nsights into d	literature review highlight th iagnostic protocols, treatmen	e variations and com t strategies, and opti	plexity in the r mization of pat	are cases of bipartite talus while ient outcomes.		
Methodology	N/A							
Procedures	21F with a ch Incidence of chronic fract the malalignr that treatmen size, joint inv than 20%, wh	21F with a chief complaint of left ankle pain with accompanied edema and difficulty ambulating for several years. Incidence of past trauma consisting of a significant hyper-plantarflexion injury of her left ankle as a child. Concern for a chronic fracture of the posterior talar body vs an anomaly of the talus consistent with a bipartite talus was raised. Due to the malalignment and chronicity of the suspected fracture, surgical intervention was recommended. Zwier et al. proposed that treatment strategies range from conservative to surgical options including excision and fixation dependent on fragment size, joint involvement, and joint quality. Rose et al. suggested internal fixation with bone grafting for fragments larger than 20%, while excision is viable for smaller fragments to preserve joint function.						
Results	Patient under imaging dem joints.	Patient underwent surgical intervention consisting of excision of the bipartite talus with no adjacent fusions. Postoperative imaging demonstrates complete excision of the bipartite talus with maintained congruency of the tibiotalar and subtalar joints.						
Discussions	The infrequent presentations and the treatment	The infrequently encountered bipartite talus represents a rare but clinically significant anatomical anomaly with diverse presentations and diagnostic challenges. Surgical intervention may be warranted with exhaustion of conservative measures, and the treatment must be individually tailored utilizing provided treatment algorithms as guidance to optimize management and outcomes.						
Format	Case Study							
Case Rpt Followup	12							
Student Club								
Classification	Rearfoot and	Ankle Recon	struction					
Level of Evidence	Level IV							
Authors/Financial D	isclosures							
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):		
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Submission ID	05-00848 Ref ID CS-8					Ref ID CS-848	
Title	Achilles B Tendon Re	Achilles Bone Block Allograft: An Alternate Reconstructive Option for Failed Achilles Tendon Repairs					
Submit Date	10/13/2024						
Correspondent	Last Name: Full Name: Practice/Comp	Lewis Deana L. Le oany/Residenc	wis, DPM, AACFAS y Program:	Email: Foot and Ankle	dlewis63@ker Specialists of	nt.edu Central Ohio	
Authors	Author 1: Author 3: Author 5: Author 7:	Deana L. Le Daniel B. Lo	wis, DPM, AACFAS ogan, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Varsha Atulur	u, DPM, AACFAS	
Purpose	The purpose o those who hav	f this study is e failed all oth	to highlight another surgical opti her reconstructive surgical treatm	on for patients w ent options.	vith chronic or	neglected achilles ruptures or	
Methodology							
Procedures	Our goal is to three cases wit and case repor reconstructive	Our goal is to present three successful cases utilizing an achilles bone block allograft which showed promising results in all three cases with high rates of incorporation and functional recovery. Our aim is to add to the sparsely available research and case reports utilizing this reconstructive surgical option and the pivotal role it may play in foot and ankle reconstructive procedures.					
Results	In this study, v all three cases	ve present thre with high rate	e successful cases utilizing an ac s of incorporation and functional	hilles bone bloc recovery at the	k allograft whi time of follow	ch showed promising results in up.	
Discussions	Treatment for reconstructive including but r tendon transfe allografts has significant ach need for an au	Treatment for chronic or neglected achilles ruptures can be a complex and challenging condition to treat. There are various reconstructive treatment options for large defects in the achilles that are performed and have also been reported in literature including but not limited to, V-Y tendon lengthening, gastrocnemius turndown flap, and flexor hallucis longus (FHL) tendon transfer. When this procedure fails, remaining treatment options are limited. The use of achilles bone block allografts has emerged as a significant advancement in reconstructive foot and ankle surgery for addressing complex and significant achilles defects as well as those with substantial bone loss. Moreover, the use of an allograft can reduce the need for an automath thready unpinging dongs the modelly and associated complications.					
Format	Case Study						
Case Rpt Followup	12						
Student Club							
Classification	Rearfoot and A	Ankle Reconst	ruction				
Level of Evidence	Level IV						
Authors/Financial Dis	sclosures						
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):	
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Submission ID	05-00852				Ref ID CS-852	
Title	Human Allogeneic Bor Case Report	ne Screw in a Comminu	uted Haw	kins III Talı	ar Neck Fracture: A	
Submit Date	10/09/2024					
Correspondent	Last Name: Huetter Full Name: Konstanze K Hu Practice/Company/Residency Pr	retter, MD Er rogram: M	mail: Iedical Unive	konstanze.huette rsity of Graz, Au	er@medunigraz.at stria	
Authors	Author 1: Konstanze K Hu Author 3: Martin Ornig, M Author 5: Author 7:	netter, MD An ID An An An	uthor 2: uthor 4: uthor 6: uthor 8:	Patrick Holweg, Viktor Labmayr,	MD, PhD MD	
Purpose	Talar neck fractures are complex achieving stable fixation and an bone screw as a novel method for promoting osteointegration.	x injuries, and when accompanie atomical reconstruction. This cas or bridging lateral comminution	ed by bone lo ise report high at the talar no	ss or comminution nlights the use of eck, providing str	on, they pose challenges for a human allogeneic cortical ructural support and	
Methodology						
Procedures	A 20-year-old male sustained a and dislocation of the subtalar a fixation using a two-incision tec significant lateral bony defect. A utilized to bridge and stabilize th	left ankle injury from a fall durir nd tibiotalar joints. Urgent surgi hnique. Intraoperative findings a commercially available alloger he lateral talar neck.	ng bouldering ical interventi after stabilizi neic cortical s	g, resulting in a co on involved oper ng the medial ke crew derived fro	omminuted talar neck fracture n reduction and internal y fragment revealed a m human donor bone was	
Results	At 3 months, CT confirmed frac months, the AOFAS score was 8 the patient presented full weight of 79/84, with CT confirming in motion with full activity particip	At 3 months, CT confirmed fracture healing, and the patient initiated full weight-bearing despite residual swelling. At 6 months, the AOFAS score was 85/100 and the FAAM score was 69/84, with no significant swelling or pain. By one year, the patient presented full weight-bearing with occasional pain, resulting in an AOFAS score of 88/100 and a FAAM score of 79/84, with CT confirming integration of the allogeneic bone screw. At 2 years, the patient reported a pain-free range of motion with full activity participation. with AOFAS and FAAM scores at 100/100 and 84/84, respectively.				
Discussions	The successful application of th stabilizing and bridging defects	is technique illustrates the poten in talar neck fractures.	ntial of humar	allogeneic corti	cal bone screws for	
Format Case Rpt Followup Student Club Classification Level of Evidence	Case Study 24 Trauma Level IV					
Authors/Financial D	oisclosures					
Full Name:	Email:	Disclosure(s) selected:			Disclosed Organisation(s):	
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Submission ID	05-00856				Ref ID CS-856	
Title	Minimally Report	y Invasive	Percutaneous Fixat	ion for Pediat	ric Talar Neck Fracture: A Case	
Submit Date	10/14/2024					
Correspondent	Last Name:	Mansager				
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	Practice/Comp	pany/Residency	y Program:	Carilion Clin Fellowship	ic Foot & Ankle Surgery and Research	
Authors	Author 1:	Samuel A. St	raus, DPM, AACFAS	Author 2:	Sarah A. Mansager, DPM	
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	Author 5:			Author 6:		
	Author 7:			Author 8:		
Purpose	Pediatric talar been described and/or prefere percutaneous	neck fractures d, but selection nce. This report fixation technic	are rare injuries with uniqu of technique is dependent rt discusses successful treat que.	e anatomical chara on fracture pattern, ment of a pediatric	cteristics. Various surgical approaches have degree of displacement, and surgeon experience talar neck fracture using a minimally invasive	
Methodology						
Procedures	11-year-old fe ATV accident. Temporary K- with two cross enrolled in a s up.	male sustained . The talar head wires were pla sing 0.062 K-w tructured rehab	a comminuted displaced ta l was noted to be displaced ced as manual joysticks to a vires was performed to mair pilitation protocol. Serial po	lar neck fracture w medially, approxin anatomically reduce tain reduction. Pos ostoperative radiogr	ith extension into the sinus tarsi secondary to an nately 1-1.5 cm, in relation to the talar body. the talar head. Definitive percutaneous fixation toperatively, the patient was immobilized and aphs were obtained throughout clinical follow	
Results	Percutaneous weeks. At 12 1 signs of avasc resumed all pr	fixation was re months, the tals ular necrosis ra re-injury physic	moved at 6 weeks. Comple ar neck was completely hea adiographically. At final fol cal activities.	te osseous consolid led, anatomic posit low-up, the patient	ation of the talus fracture was noted at 14 ion was well maintained, and there were no was ambulating without pain and she had	
Discussions	This case high Proper treatme minimally inv that can impro	This case highlights the efficacy of minimally invasive techniques in managing complex pediatric talar neck fractures. Proper treatment of these injuries requires a thorough workup to help guide surgical interventions. Further research into minimally invasive surgical techniques in pediatric fracture care is crucial to developing standardized treatment protocols that can improve patient outcomes.				
Format	Case Study					
Case Rpt Followup	12					
Student Club						
Classification	Trauma					
Level of Evidence	Level IV					
Authors/Financial D	isclosures					
Full Name	Email.		Disclosure(s) selected		Disclosed Organisation(s)	
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Submission ID	05-00857				Ref ID CS-857
Title	AN EVAS FUNGAI	SIVE FUNGUS: R L INFECTION IN	ARE CASES O THE LOWER	F DISSEI EXTREM	MINATED ANGIOINVASIVE IITY
Submit Date	10/11/2024				
Correspondent	Last Name: Full Name: Practice/Com	Momoh Hamidat npany/Residency Program	c	Email: Penn Presby	momohh@pennmedicine.upenn.edu terian Medical Center
Authors	Author 1: Author 3: Author 5: Author 7:	Hamidat Momoh DPM Rita-Anne Falconio DI	PM	Author 2: Author 4: Author 6: Author 8:	John Campbell DPM Brett Chatman DPM, FACFAS
Purpose	The purpose review treatm	of this study is to describe nent recommendations bas	e the clinical presentati sed on the current liter	ion and surgic ature.	al management of this rare fatal disease and to
Methodology					
Procedures	Disseminated fatal with mo transplantatio treatment but disseminated immunosupp septation and	angioinvasive fungal inf st cases occurring in patie on, HIV/AIDS, etc. It is a , in most cases, will requi fungus with characteristic ressed hosts. Tissue biops acute angle branching in	ection is a rare but agg ents who are immunoc significant source of n re urgent surgical intel c organ involvement, c y confirmed obliterate the vessel wall consist	pressive fungation ompromised when norbidity and rvention. Here clinical presert d blood vesses tent with angi	l infection. These fungal infections are often with risk factors such as diabetes, organ mortality requiring prompt diagnosis and early , we have identified two cases of fatal tation, and pathology findings in ls in the deep dermis and multiple hyphae with oinvasive fungal infection.
Results	Although the underwent su The other pat clear margins	re is no standard recommungical debridement, which ingical debridement, which ient benefitted from early s. Both patients required n	endation on surgical in h subsequently resulted diagnosis with aggres nultiple antifungal ther	tervention for d in an urgent sive surgical rapy.	r angioinvasive fungal infection, one patient proximal limb amputation due to rapid invasion. excision of bone and soft tissue, with confirmed
Discussions	This illustrate control along antifungal tre infection.	es aggressive surgical deb with systemic antifungal atment/surgical interventi	ridement for angioinva therapy. Early recogni ion as needed, are key	asive fungal i ition, histopat to improving	nfection to be an effective method of source hology, culture, and immediate administration of clinical outcomes for patients with angioinvasive
Format	Case Study				
Case Rpt Followur	12				
Student Club					
Classification	Wound Care/	Infectious Diseases			
Level of Evidence	Level III				
Authors/Financial	Disclosures				
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FACFAS

Submission ID	05-00859 Ref ID CS-8:							
Title	A Rare Ca Cell Lymp	A Rare Case of Methotrexate Induced Epstein-Barr Virus - Positive Diffuse Large B- Cell Lymphoma In The Lower Extremity						
Submit Date	10/14/2024							
Correspondent	Last Name: Full Name: Practice/Comp	Park Diana T. Park, I pany/Residency F	DPM/PGY3 Program:	Email: Kaiser Found	drdianapark@gmail.com ation Hospital			
Authors	Author 1: Author 3: Author 5: Author 7:	Diana T. Park, J Kelly J. Wallin, Tanya J. Single	DPM, PGY3 , DPM ton, DPM	Author 2: Author 4: Author 6: Author 8:	Elizabeth E. Gajardo-Stitt, MS4 Daniel K. Lee, DPM, PhD, FACFAS			
Purpose	The purpose o Epstein-Barr V medication-ind	f this case study /irus-positive Dif luced malignant	is to illustrate a rare occurrenc ffuse large B-cell lymphoma (l lower extremity masses.	e and clinical J EBV-DLBCL)	presentation of Methotrexate Iatrogenic induced due to potential for immunosuppressive			
Methodology								
Procedures	A 93-year-old to multiple ER are regulated u proliferating c lymphocytes a vivo. There is CD20 in this c	A 93-year-old African American female with Rheumatoid arthritis on chronic immunosuppressive Methotrexate, presented to multiple ER visits with a painful posterior-medial ankle mass. Prior studies demonstrated that more than 11,000 genes are regulated upon EBV, driving naïve B cells into a germinal center-like differentiation, leading to immortalized, proliferating cells resembling plasmablasts and early plasma cells. Thus, EBV efficiently infects resting human B lymphocytes and induces their continuous proliferation in vitro, miming certain aspects of EBV's oncogenic potential in vivo. There is evidence that EBV hijacks the intrinsic B-cell activation program, which may explain the downregulation of CD20 in this case.						
Results	MRI imaging pathology spec disorder consis No further loc	MRI imaging revealed a necrotic soft tissue mass versus abscess. Surgical excision was performed with permanent pathology specimen collected. NIH pathology reported iatrogenic immunodeficiency -associated lymphoproliferative disorder consistent with EBV positive DLBCL. Patient was referred to oncology for chemotherapy and serial PET scans. No further local resection was recommended.						
Discussions	Given the patient lymphoprolife heightened sus with painful so	Given the patient's history of Methotrexate therapy, the findings align with iatrogenic immunodeficiency-associated lymphoproliferative disorder consistent with EBV positive DLBCL. This rare case underscores the importance of heightened suspicion for malignancies in immunocompromised patients on immunosuppressive medications who present with painful soft tissue masses.						
Format	Case Study							
Case Rpt Followup	12							
Student Club								
Classification	Soft Tissue/Tu	mor						
Level of Evidence	Level IV							
Authors/Financial D	isclosures							
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Submission ID	05-00861				Ref ID CS-861
Title	Interpositio Metatarsop	onal arthr ohalangea	oplasty using Acellul I Joint Osteoarthritis	ar Dermal A S	llograft for Lesser
Submit Date	10/14/2024				
Correspondent	Last Name: Full Name: Practice/Compa	Kanu Alieu 1ny/Residency	Program:	Email: Inspira Healtl	alieukanu@gmail.com 1 Network
Authors	Author 1: Author 3: Author 5: Author 7:	Alieu Kanu, I Benjamin Ma	DPM rder, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Saad Noman, DPM
Purpose	Acellular derma structural frame allowing the abi arthroplasty due foot and ankle a site. We present acellular dermal	al matrix (ADI work for tissu ility to conver e to its versatil is it diminishe favorable out l tissue matrix	(I) allografts are human dern e regeneration. The matrix p t into host tissue. ADM has b ity and reliability. Interpositi s the stress applied to the sur comes from a patient that is i for lesser metatarsophalange	nal collagen matri rovides a scaffold een used successi onal arthroplasty rounding joints by 2 years postoperate al osteoarthritis.	x that serve as biological scaffolds providing a for host cell repopulation and revascularization fully in the foot and ankle for interpositional is an alternative to arthrodesis for joints of the y allowing continued motion at the arthroplasty tively from interpositional arthroplasty using
Methodology					
Procedures	Standard dorsal fragment using s proximal phalan head and fiberw	longitudinal i sagittal saw. E ux with passag vire threaded v	ncision over the second meta Bone tunnel through proximal ge of EDB tendon. Second bo vith free needle through the b	tarsophalangeal j phalanx made. S ne tunnel created one tunnel from j	oint used. Resection of loose hypertrophic bone uture wire passer through a drill hole in the using drill. Allograft laid over 2nd metatarsal plantar to dorsal. Suture tie of graft in place.
Results	2 years post ope ROM with conti	eratively, the p	atient was ultimately pleased ustom molded orthoses.	l with her post-op	outcomes, and continued pain free activity and
Discussions	Interpositional a limited damage	arthroplasty us to intrinsic m	ing ADM is a viable alternat uscles involved.	ive to arthrodesis	given joint mobility is preserved and there is
Format	Case Study				
Case Rpt Followup	24				
Student Club					
Classification	Forefoot Recons	struction			
Level of Evidence	Level IV				
Authors/Financial D	visclosures				
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Benjamin Marder, DPM, FACFAS

Submission ID	05-00863					Ref ID CS-863	
Title	Short-Ter Treatment	Short-Term Outcomes of TTC Arthrodesis with 3D-Printed Custom Cage for Treatment of Peri-Talar Defects.					
Submit Date	10/09/2024						
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Purpose	To demonstrat peri-talar defe	e successful utiliz cts, while also inc	zation of tibiotalocalcaneal (T cluding short-term outcome m	TC) arthrodesis easures.	with 3D-printed	l custom cage implantation for	
Methodology							
Procedures	Retrospective arthrodesis with significant per and the other f patients were of of the cage wa	Retrospective review of four patients (average age 46.3 years, average follow-up 19.3 months) who underwent TTC arthrodesis with a custom 3D-printed cage by two senior authors. All patients had talar pathology contributing to a significant peri-talar defect: one with residual clubfoot, two with talar avascular necrosis (one due to total ankle subsidence and the other from a malunited talar fracture), and one with tuberculosis-induced ankle arthritis. Post-operatively, all patients were clinically evaluated, pain and functional outcome scores documented, and evidence for osseous incorporation of the cage was evaluated on radiographs.					
Results	All radiograph Hindfoot score of the 4 patien the patients ha scores.	All radiographs reveal evidence of ankle and subtalar joint fusion with osseous incorporation of the cage. AOFAS Ankle- Hindfoot score is 64/100 with mean VAS of 1.75/10. Subjectively, all patients can ambulate with a plantigrade foot, and 3 of the 4 patients were satisfied with their procedure and would recommend it to someone with similar pathology. None of the patients have had implant revision or failure. One patient continues to have persistent pain with suboptimal functional scores.					
Discussions	This small cas TTC fusion wi to determine s	This small case series with short-term follow-up data shows promising radiographic and functional outcomes proving that TTC fusion with custom cage is a viable salvage treatment option. More intermediate- to long-term investigation is needed to determine survivorship of TTC fusion with custom 3D-printed implants.					
Format	Case Study						
Case Rpt Followup	15						
Student Club							
Classification	Rearfoot and A	Ankle Reconstruc	tion				
Level of Evidence	Level IV						
Authors/Financial D	isclosures						
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Submission ID	05-00867	05-00867 Ref ID CS-867						
Title	Custom Im in a Neuro	Custom Implant Tibiotalocalcaneal Arthrodesis with Single-Screw Dynamic Fixation in a Neuropathic Population: A Multi-Institutional Case Series						
Submit Date	10/08/2024	10/08/2024						
Correspondent	Last Name: Full Name:	Kavanaugh Marian		Email:	kavanaughmari	an@gmail.com		
	Practice/Compa	any/Residency P	rogram:	West Virginia Center	University & Un	iversity of Pittsburgh Medical		
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Purpose	Tibiotalocalcan Charcot. This c patient specific	eal arthrodesis is ase series evalua custom implants	s an important salvage method ted the results of a a single sc s in a high risk, neuropathic p	l for patients w rew, dynamic i atient populatio	ith complex hind retrograde intramon	foot problems, including edullary nail for fixation with		
Methodology								
Procedures	A sequential se institutions. The patients underw procedure inclu proximal fixation assessed.	A sequential series of 10 tibiotalocalcaneal arthrodeses in 10 patients done by one surgeon were evaluated from two institutions. The underlying diagnosis of the included patients was diabetes with peripheral neuropathy. All included patients underwent staged salvage procedure with an external fixator to maintain alignment and provide stability. The final procedure included a patient specific custom implant to obtain the TTC fusion. A single, dynamic screw was utilized for proximal fixation in the final procedure. Impaction of the nail relative to the intramedullary canal and complications were assessed.						
Results	Fusion was asso the proximal in mm over an ave locking screw. 7 weeks.	Fusion was assessed from a retrospective chart and radiograph review. Cortical hypertrophy on the tip of the nail or around the proximal interlocking screw was noted to determine dynamization. Average impaction of the dynamic nail was 6.16 mm over an average of 30 months. Cortical hypertrophy was evident in 8 of 10 feet at the tip of the rod or the proximal locking screw. There were no stress fractures. 4 of the 10 feet experienced diffuse pretibial pain for a period of less than 6 weeks.						
Discussions	The dynamicall literature highli the potential for	The dynamically-locked retrograde intramedullary nail worked well in this series, with a fusion rate of 88%. There is no literature highlighting fusion rates with custom implants in neuropathic patients. This technique and implant design offers the potential for more reproducible outcomes						
Format	Case Study							
Case Rpt Followup	30							
Student Club								
Classification	Rearfoot and A	nkle Reconstruct	tion					
Level of Evidence	Level IV							
Authors/Financial D	visclosures							
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):		
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FACFAS	Ű	C.	Member of a medical public board	nber of a medical publication or editorial governing				

Submission ID	05-00869	•		Ref ID CS-869					
Title	Advanciı for High-	Advancing Limb Salvage in Neuropathic Patients: Patient-Specific Custom Implants for High-Risk Cases – A Multi-Institutional Case Series							
Submit Date	10/08/2024								
Correspondent	Last Name:	Brandt							
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	Practice/Con	npany/Residency Program:	West Virgini Center	a University & University of Pittsburgh Medical					
Authors	Author 1:	Mary, R, Brandt, DPM, AACFAS	Author 2:	Marian, R, Kavanaugh, DPM, AACFAS					
	Author 3:	Emily, A, Zink, DPM	Author 4:	Sriya, D, Babu, DPM, AACFAS					
	Author 5:	Patrick, R, Burns, DPM, FACFAS	Author 6:						
	Author 7:		Author 8:						
Purpose	Charcot neur mechanical i improved pa tibiotalocalca	ropathy presents unique challenges in limb : nstability leading to high risk of amputation tient mobility. This case series highlights su aneal arthrodesis with a custom 3D implant	salvage due to prog n. The ultimate goa urgical technique, d in the treatment of	ressive bone destruction, deformity, and l is to achieve a braceable, ambulatory foot for lesign rationale and outcome of staged Charcot neuropathy.					
Methodology									
Procedures	We present 1 secondary ul arthrodesis w allows for in-	We present 10 diabetic, neuropathic patients who were found to have active Charcot that led to hindfoot deformity with secondary ulcerations. Each patient underwent a partial talectomy with application of external fixator followed by TTC arthrodesis with a custom implant and intramedullary nail. Each implant was designed to have a flat proximal portion that allows for increased bone contact, while the distal spherical portion allows the surgeon to properly align the fusion.							
Results	Successful he Follow-up av fusion rate of	ealing of any ulcerations was achieved with veraged thirty months, and each patient has n plain radiographs.	use of external fix maintained excelle	ator prior to implantation of internal hardware. nt clinical and radiographic position with 100%					
Discussions	Talectomy is discrepancy. has shown to staged surgic management	Talectomy is favorable in cases of severe deformity; however, tibiocalcaneal arthrodesis can lead to limb length discrepancy. While the use of structural bone grafts provides a lower cost option, it is limited by the amount required and has shown to have slow graft incorporation and risk for delayed collapse. This study highlights the effectiveness of a staged surgical technique with integration of a patient specific implant for reproducible outcomes that are applicable in management of Charcot neuropathy.							
Format	Case Study								
Case Rpt Followup	30								
Student Club									
Classification	Rearfoot and	Ankle Reconstruction							
Level of Evidence	Level IV								
Level of Evidence									
Authors/Financial Di	sclosures								
Line II Black and	A Contract of California California								

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Submission ID	05-00873				Ref ID CS-873		
Title	A Rare E	ncounter: Syn	ovial Sarcoma in a	21-Year-Ol	d Male		
Submit Date	10/08/2024						
Correspondent	Last Name: Full Name: Practice/Com	Brandt Mary, R, Brandt, pany/Residency Pro	DPM, AACFAS ogram:	Email: West Virginia	mrbrandt9@gmail.com University Wheeling Hospital Foot & Ankle		
Authors	Author 1: Author 3: Author 5: Author 7:	Mary, R, Brandt, Sriya, A, Babu, D	DPM, AACFAS PPM, AACFAS	Author 2: Author 4: Author 6: Author 8:	Mary, R, Kavanaugh, DPM, AACFAS Crystal-Dawn L. Bradshaw, DPM, AACFAS		
Purpose	Synovial sarce be misdiagnos painful media	oma remains rare, c sed in the foot and a l instep mass on a 2	onsisting of 8-10% of all s ankle, where benign soft ti 1-year-old male.	soft tissue tumors ssue lesions are 1	s. It is not uncommon for synovial sarcoma to nore prevalent. We present a rare case of a		
Methodology							
Procedures	The patient pr steroid injecti significant ma	resented with an ong ons with no relief. A ass was identified. T	going painful mass to the r An MRI was performed the The patient was taken to th	nedial midfoot. I at demonstrated a e OR and a 2 cm	Prior treatments consisted of intra-articular an increase in signal on T1; however no by 1 cm lobulated mass was excised.		
Results	Pathology wa recommended cm by 3.5 cm performed a 1 negative for n	Pathology was positive for monophasic synovial sarcoma. The patient was referred to oncology and a tumor board recommended re-excision. The patient was taken back to the OR by the orthopedic oncology team and re-excision of a 6 cm by 3.5 cm sarcoma bed with wound vac placement was performed. Margins were negative and plastic surgery performed a 12 x 10 cm dorsalis perforator flap. Advanced imaging has been performed routinely and remains negative for metastasis.					
Discussions	A periarticula year survival presentation, i occasional rac	A periarticular mass in a youth patient with non-mechanical pain should alert a physician to pursue further imaging. Five- year survival rates for synovial sarcoma range from 59-75% and tumor size does have a prognostic value. With its unique presentation, it is important as surgeons to recognize this and avoid inappropriate interventions. Surgical excision with occasional radiation therapy is the mainstay treatment but having a multidisciplinary team is crucial.					
Format	Case Study						
Case Rpt Followup	16						
Student Club							
Classification	Soft Tissue/To	umor					
Level of Evidence	Level IV						
Authors/Financial D	oisclosures						
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):		
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Submission ID	05-00874 Ref ID CS-874						
Title	Revisiting Offer Solu	Revisiting Failed 1st MTPJ Arthroplasty: How Patient-Specific Custom Implants Offer Solutions and Functional Outcomes					
Submit Date	10/08/2024						
Correspondent	Last Name: Full Name:	Kavanaugh Marian		Email:	kavanaughmar	ian@gmail.com	
	Practice/Com	pany/Residency	Program:	West Virginia	University		
Authors	Author 1: Author 3:	Marian, R, Ka Sriya, S, Bab	avanaugh, DPM, AACFAS u, DPM, AACFAS	Author 2: Mary, R, Brand Author 4: Mark, H, Hofb		lt, DPM, AACFAS auer, DPM, FACFAS	
	Author 7:			Author 8:			
Purpose	The primary of (MTPJ) arthro challenges. Th custom impla	objective of this oplasty and to ex nis study evalua nt designed to ta	case is to evaluate the complication of the effectiveness of a pattern patients functional status prailor the treatment to the individual status of the treatment to the status of the treatment of the treatment to the status of the treatment	ations associated ient-specific cu e and post opera lual's anatomy,	d with failed firs stom implant as atively when imp improving preci	t metatarsophalangeal joint a solution for addressing these elementing a patient-specific sion and outcomes.	
Methodology							
Procedures	In this study, (3-D) printed AOFAS score	we aimed to des implant for an o s were evaluate	scribe a case study of revision fi osseous deficit after a failed tota d pre and post operatively.	irst metatarsoph al silastic implar	alangeal joint fu 1t arthroplasty. P	sion with a three-dimensional atient's functional status and	
Results	Patient had a returned to re At her 1 year union at 4 mo	Patient had a minimum follow up of 16 months. Patient was able to return to protected weight bearing at the 6 mark, and returned to regular shoe wear at 4 months. Her preoperative and postoperative AOFAS scores were 39 and 82, respectively. At her 1 year follow up, she was noted to have pain free ambulation. Serial post operative radiographs determined osseous union at 4 months.					
Discussions	Failed 1st MT function, which metatarsophal osseous defici improved outo	Failed 1st MTPJ arthroplasties present a unique set of clinical complications, including joint instability, pain, and loss of function, which can significantly affect a patient's mobility and quality of life. In addition, failure rates for first metatarsophalangeal joint implant arthroplasties have been noted to be upward of 72% at 3 years and often leave a large osseous deficit. Custom 3-D-printed implants for first metatarsophalangeal joint revision can provide an opportunity for improved outcomes and healing.					
Format	Case Study						
Case Rpt Followup	16						
Student Club							
Classification	Forefoot Reco	onstruction					
Level of Evidence	Level IV						
Authors/Financial Di	sclosures						
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):	
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Submission ID	05-00879 Ref ID CS-879						
Title	Rare Case of Intersection syndrome of the foot and ankle						
Submit Date	10/08/2024						
Correspondent	Last Name: Full Name: Practice/Com	Meyer Cameron, Au pany/Residency	stin, Meyer DPM, AACFAS / Program:	Email: Orthopedic F	cam.a.meyer@gmail.com oot and Ankle Center		
Authors	Author 1: Author 3: Author 5: Author 7:	Cameron, Au Orlando Mart	stin, Meyer DPM AACFAS tinez, DPM	Author 2: Author 4: Author 6: Author 8:	Jae Yoon Kim, DPM, AACFAS Patrick E. Bull, DO, FAOAO		
Purpose	The purposes explanation re	of this case rep garding the cor	ort are to add to the limited lite ndition's etiology, and to descri	rature on this ra be a novel surg	re type of foot tenosynovitis, to propose an ical treatment technique.		
Methodology							
Procedures	Described in t forearm inters the "master kr a complaint o conservative t exam showing relief; therefo	Described in the wrist in 1841 by Alfred Armand Louis Marie Velpeau and later coined by James H. Dobyns in 1978; forearm intersection syndrome has a low reported prevalence of $0.2 \sim 0.37\%$. A complex connection system in the foot is at the "master knot" of Henry. We present an 18 year old female patient presented to the outpatient foot and ankle clinic with a complaint of chronic sports participation related plantar right foot and posteromedial ankle pain. After failure of conservative treatment measures for six months, the diagnosis was suggested following a high resolution foot ultrasound exam showing extensive FHL tenosynovitis. Ultrasound guided corticosteroid injections failed to provide lasting symptom relief; therefore, a surgical treatment strategy was proposed.					
Results	A tendon strip interconnection return to full s	A tendon stripper was passed retrograde along the FHL through an incision at the hallux deep flexion crease to release the interconnection between the FHL and FDL at the Knot of Henry. Six weeks following surgery, the patient was able to return to full sports participation with no symptoms.					
Discussions	Foot intersect have been des evaluate if the	Foot intersection syndrome is a rare diagnosis with few documented cases. Numerous FHL to FDL interconnection patterns have been described. We propose a surgical technique for resistant cases with use of a tendon stripper. Future work should evaluate if there's a correlation with the type of intersection and clinical presentation.					
Format	Case Study						
Case Rpt Followup	12						
Student Club Classification Level of Evidence	Biomechanics Level IV	and Anatomy					
Authors/Financial Di	sclosures						
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Submission ID	05-00881				Ref ID CS-881		
Title	Rare Digi	Rare Digital Nerve Schwannoma Causing Ulceration of the Fourth Toe					
Submit Date	10/13/2024						
Correspondent	Last Name: Full Name: Practice/Com	Clor Zackary J. Clor DP pany/Residency Prog	PM, MHA ram:	Email: Ascension M	zack_clor@yahoo.com acomb Oakland Hospital		
Authors	Author 1: Author 3: Author 5: Author 7:	Zackary J. Clor DP Tariq K. Elagamy I	PM, MHA DPM	Author 2: Author 4: Author 6: Author 8:	Christopher J. Womae DPM Erik C. Kissel DPM		
Purpose	This case stud	dy presents the first re	eported ulceration of a toe s	secondary to a	rare digital nerve Schwannoma.		
Methodology							
Procedures	Schwannoma about 5% of a infrequently r described in t ulceration to oral antibiotic augmented w	Schwannomas are a benign neoplasm of the Schwann cells within the myelin sheath of peripheral nerves and make up about 5% of all soft tissue tumors. 12% of all Schwannomas occur in the foot and ankle. Digital schwannomas are infrequently reported and there are no current reports of an ulcerated digital nerve schwannoma in the feet. The patient described in this case was a 27-year-old female with past medical history of anemia who presented with an infected ulceration to the right foot fourth toe secondary to an underlying soft tissue mass. Following resolution of infection with oral antibiotics, it was determined that resection of the mass wound be necessary for closure of the skin which was augmented with V-Y skin plasty.					
Results	Pathology rev Schwannoma retained funct	Pathology revealed a benign spindle cell neoplasm which was \$100 positive and SMA negative, consistent with Schwannoma with focal necrosis and ulceration of skin surface. At 1 year of follow-up, the patient was noted to have retained function and sensation as well as cosmetic closure of the toe.					
Discussions	Schwannoma currently no l close an ulcer well as cosme	Schwannomas are benign neoplasm of Schwann cells in peripheral nerves and rarely occur in the foot and ankle. There is currently no literature of an ulceration secondary to a digital nerve Schwannoma. V-Y skin plasty was used successfully to close an ulceration secondary to digital nerve Schwannoma in a 27-year-old female and provide retention of function as well as cosmetic closure.					
Format	Case Study						
Case Rpt Followup	12						
Student Club							
Classification	Soft Tissue/T	umor					
Level of Evidence	Level IV						
Authors/Financial D	Disclosures						
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Submission ID	05-00887 Ref ID CS-8						
Title	AITFL Augmentation for Management of Syndesmotic Disruption						
Submit Date	10/15/2024						
Correspondent	Last Name:	Kirshner					
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	Practice/Comj	pany/Residenc	ey Program:	Premier Orthopaedic and Sports Medicine Foot and As Surgery Fellowship			
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	Author 3:	Tavin B. Mc	organ, DPM	Author 4:	Amanda R. Liere		
	Author 5:			Author 6:			
	Author 7:			Author 8:			
Purpose	There is limited reporting on the use of AITFL augmentation for syndesmosis repair, and even sparser data on specific outcome measures following these procedures. We report on average time to weight bearing following syndesmosis repair with and without AITFL augmentation.						
Methodology							
Procedures	Recent literature has addressed the biomechanical contributions from each ligament within the syndesmosis, the nature of fractures which produce AITFL disruption, and evaluated the etiology of malreduction and poor outcomes following fracture repair with syndesmosis involvement. There is sparse reporting on the impact of AITFL augmentation on time to weight bearing following operative intervention. The senior author's medical records were reviewed from 2017-2023 using appropriate CPT codes. Static fixation and trimalleolar ankle fractures were excluded.						
Results	A total of 22 patients were included in this study. Mean age was 39.8, there were 16 females and 6 males. Average transition to weight bearing in walking boot was ~25 days for AITFL group, 34 days for no augment group. 56 days to weight bearing in regular shoes for AITFL group, 54 days for AITFL group.						
Discussions	We report on our use of AITFL augmentation for syndesmotic injury based on intraoperative observation of residual instability following dynamic fixation with suture button. We compared average time to weight bearing in surgical walking boot as well as regular shoe gear in patients who received suture button alone versus suture button with AITFL augmentation. We observed similar time to weight bearing across our patient population. However based on our observations, we feel further study on functional outcomes is warranted.						
Format	Case Study	Case Study					
Case Rpt Followup	12	12					
Student Club							
Classification	Trauma	Trauma					
Level of Evidence	Level V	Level V					
Authors/Financial Dis	sclosures						
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Submission ID	05-00891					Ref ID CS-891			
Title	CASE RI MALE	CASE REVIEW: RARE SYNOVIAL CHONDROMATOSIS IN 14 YEAR-OLD MALE							
Submit Date	10/11/2024								
Correspondent	Last Name: Full Name: Practice/Con	Donovan Jacqueline, K, npany/Residency I	Donovan, FACFAS DPM Program:	Email: Erie Foot and	jacquelinekdon I Ankle Center	ovan@gmail.com			
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Purpose	Synovial cho joints, is unc	Synovial chondromatosis, a benign condition characterized by the formation of cartilaginous nodules within synovial joints, is uncommon in pediatric patients and particularly rare in the ankle joint.							
Methodology									
Procedures	A 14-year-ol without prior demonstrated articular bod arthrotomy a	d male presented or r trauma. Clinical d a radio-opaque lo ies measuring 1.5 nd synovectomy.	with a two-month history of examination revealed palpab oose body within the tibiotal x 1.5 cm. After failed conse	progressive left ble loose body ar ar joint, while M rvative manager	ankle pain and de nd limited ankle m IRI confirmed syr nent, the patient u	creased range of motion obility. Radiographic imaging novial proliferation with intra- nderwent open ankle			
Results	The cartilagi chondromate physical ther sports activit	The cartilaginous loose body was removed, and histopathological examination confirmed the diagnosis of synovial chondromatosis. The patient achieved full weight-bearing status at six weeks post-operation under the guidance of a physical therapist. At three months follow-up, the patient demonstrated improved range of motion and had returned to sports activities without issues. No recurrence was noted on follow-up imaging.							
Discussions	A compreher unclear, thou approaches i increasingly synovial cho operative out	A comprehensive review of literature reveals limited reported cases of ankle SC in pediatric patients. The etiology remains unclear, though trauma and inflammatory conditions have been suggested as potential triggers. Traditional treatment approaches include surgical synovectomy and removal of loose bodies, with arthroscopic techniques becoming increasingly prevalent in recent years. This investigation aims to contribute to the limited body of literature on pediatric synovial chondromatosis of the ankle joint. By documenting the successful diagnosis, surgical management, and post-operative outcomes, we provide valuable insights for clinicians encountering similar cases in young patients.							
Format	Case Study	Case Study							
Case Rpt Followup	15								
Student Club									
Classification	Soft Tissue/7	Soft Tissue/Tumor							
Level of Evidence	Level III								
Authors/Financial D	Disclosures								
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Submission ID	05-00895					Ref ID CS-895
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Title	Novel fixation intramedull	on techn ary scre	ique for hallux in w: A case series	terphalangeal	arthrodesis using a	1 7-0
Submit Date	10/09/2024					
Correspondent	Last Name: F Full Name: C Practice/Compan	ontana Cara L Fonta ny/Residenc	na, DPM, PGY-2 y Program:	Email: Katherine	fontanacara@gmail.co Shaw Bethea Hospital	m
Authors	Author 1: C Author 3: M Author 5: Author 7:	Cara L Fonta Aichael D C	na, DPM, PGY-2 orcoran, DPM	Author 2: Author 4: Author 6: Author 8:	Natalie A Magda, DPN	И, PGY-1
Purpose	Hallux interphala fixation options, standard for reco arthrodesis using	angeal joint arthrodesis mmended s a 7-0 intra	(HIPJ) arthrodesis is con is commonly performed crew size. This five-pati nedullary screw.	nmonly performed with single-screw f ent case series descr	by podiatric surgeons. While ixation. However, in literatu ibes the surgical technique t	e there are multiple ire there is no gold used to perform HIPJ
Methodology						
Procedures	Five patients und physician at one arthrodesis with adequately perfo	lergoing ele institution. the insertior rmed and ap	ctive HIPJ arthrodesis w Radiographic and patien of a 7-0 headless cannu propriate fixation positi	ith 7-0 intramedulla t-reported clinical o lated compression s oning was confirme	ry screw fixation performed utcomes presented. All patie crew. In all cases, joint prep d using fluoroscopy.	d by a single podiatric ents underwent a HIPJ paration was
Results	Four of five patie these patients ha post-operatively, amputation.	our of five patients had no complications and beginning signs of radiographic union at 6 weeks post-operatively. All of hese patients have had no complaints of pain or hardware irritation at 6 weeks post-operatively. One patient, one month ost-operatively, had a trauma to the surgical site causing dislocation of the hallux, exposed hardware, and resulting in mputation.				
Discussions	Up to this point, intramedullary so successful outcon intervention. Thi	no research crews. At 15 mes. There 1 s case series	has been performed to o month follow up, aside have been no incidences s describes a successful a	letermine the gold s from one patient w of nonunion, hardw ilternative surgical f	andard size for HIPJ arthro no underwent trauma, all pa are irritation, pain, or need ixation technique for HIPJ a	desis fixation using tients have had for further surgical arthrodesis.
Format	Case Study					
Case Rpt Followup	15					
Student Club						
Classification	Forefoot Reconst	truction				
Level of Evidence	Level IV					
Authors/Financial Di	sclosures					
Full Name:	Email:		Disclosure(s) selected:		Disclos	sed Organisation(s):
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Submission ID	05-00896			Ref ID CS-896		
Title	DVT Incidence Fo elective ambulator	llowing Administration y foot and ankle surgery	of Segment V	al Compression Device following		
Submit Date	10/09/2024					
Correspondent	Last Name: Schwab					
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	Practice/Company/Reside	ncy Program:	Inova Fairfax	Medical Campus		
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	Author 5:		Author 6:			
	Author 7:		Author 8:			
Purpose	Existing guidelines for SC SCDs with anticoagulation surgery did not produce st hip arthroplasty with and incidence.	D use are consensus-based, derive a versus anticoagulation alone. Th atically significant results. Kwak of 46 patients without application of	ed mainly from e few studies ar et al. compared f IPC all to find	surgical patients by comparing the effects of alyzing the use of SCDs in elective orthopedic 233 patients who had undergone primary total SCDs were not associated with decreased VTE		
Methodology						
Procedures	A total of 100 patients und reviewed and placed into t included in the study if the undergone surgical interver retrospective chart review	A total of 100 patients undergoing elective foot and ankle surgery by a single surgeon at two centers were retrospectively reviewed and placed into two cohorts: patients who received SCDs (n=50) and those that did not (n=50). Patients were included in the study if they underwent elective ambulatory foot and ankle surgery. Patients were excluded if they had undergone surgical intervention requiring inpatient admission or if they had history of DVT or coagulopathy. A retrospective chart review was then conducted to determine the incidence of DVT at one year follow-up.				
Results	All 100 patients were inclu the non SCD group had a the incidence of DVT in p	All 100 patients were included in our retrospective review. At final follow-up, none of the patients in the SCD group nor the non SCD group had a DVT post-operatively. Our retrospective review showed no statistically significant difference in the incidence of DVT in patients who received SCDs and those who did not.				
Discussions	We hope this study can ad alone in the prevention of	d to the current body of literature DVTs without the use of SCDs.	to suggest that j	post operative oral prophylaxis is sufficient		
Format	Case Study					
Case Rpt Followup	12					
Student Club						
Classification	Epidemiology/Population	Study				
Level of Evidence	Level IV					
Authors/Financial Di	sclosures					
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Submission ID	05-00902				Ref ID CS-902
Title	Intramed	lullary Fibula	r Nails and Plate Fix	kation: A C	Case Series in Fibular Fracture
Submit Date	10/15/2024				
Correspondent	Last Name:	Brown			
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	Practice/Con	npany/Residency Pr	rogram:	Barry Univer	rsity School of Podiatric Medicine
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	Author 5:	Kayla Wand, BS	5	Author 6:	Daniel Stewart, DPM
	Author 7:			Author 8:	
Purpose	The purpose treating ankle	of this case series is e traumas, such as f	s to evaluate non-traditional fibular fractures in patient po	surgical metho pulations.	ods, such as intramedullary fibular nails, when
Methodology					
Procedures	Three female nails and one the severity of compression including rec	e patients who prese e patient underwent of injury, patient con screw is commonly duced surgical disse	ented with distal fibular fract an ORIF with a fibular plate ndition and physician prefere y employed, intramedullary r cction, improved soft-tissue h	ures are includ . There are sevence. While planail fixation ha hail fixation ha	led in this series. Two patients underwent IMF veral surgical techniques and are dependent on ate fixation with or without an interfragmentary s recently presented significant advantages, lecreased hardware prominence.
Results	Postoperative promote heal all patients h	Postoperative protocols for all patients included a non-weight bearing status in a posterior splint for 4 to 6 weeks to promote healing. All patients were prescribed physical therapy and at home stretching and strengthening exercises. Overall, all patients healed well and were successfully discharged from postoperative status.			
Discussions	Distal fibular nails. ORIF i are less invas series, both r economic ba outcomes an	Distal fibular fractures affect ankle stability, often managed with plate and screw fixation (ORIF) or intramedullary (IM) nails. ORIF is the gold standard for unstable fractures, offering stability, but may cause more soft tissue trauma. IM nails are less invasive, reducing tissue disruption and hardware irritation, making them ideal for poor bone quality. In this case series, both methods resulted in restricted ankle motion but no pain. However, access to physical therapy was limited by economic barriers, highlighting the need for improved rehabilitation support. Future research should focus on long-term outcomes and functional recovery.			
Format	Case Study				
Case Rpt Followup	12				
Student Club					
Classification	Rearfoot and	Ankle Reconstruct	tion		
Level of Evidence	Level IV				
Authors/Financial D	oisclosures				
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):
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Submission ID	05-00907				Ref ID CS-907
Title	Techniqu The First	e for Tibia Metatarso	lis Anterior Tendon Ru cuneiform Joint	pture Repa	ir With Retained Hardware At
Submit Date	10/14/2024				
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	Practice/Com	pany/Residenc	y Program:	South Central Fellowship	Pennsylvania Reconstructive Foot and Ankle
Authors	Author 1:	Rachel Warr	er, DPM, AACFAS	Author 2:	Samuel, B, Clellen, DPM, AACFAS
	Author 3:	Michael, B, FACFAS, M	Younes, DPM, D.ABFAS, BA	Author 4:	Jennifer, L, Mulhern, DPM, D.ABFAS, FACFAS, ABPM
	Author 5:	Sonam, T, R	uit, DPM, D.ABFAS, FACFAS	Author 6:	
	Author 7:			Author 8:	
Purpose	The purpose present from	of this case stu previous first r	dy is to guide surgical management netatarsocuneiform joint (MCJ) a	nt of tibialis an rthrodesis.	terior (TA) rupture with retained hardware
Methodology					
Procedures	TA tendon rup a detrimental ruptures in th use of tendon case study is arthrodesis.	pture is a rare i outcome on a e literature. Of allograft. In th to discuss oper	njury that can occur from acute t patient's gait and functionality. T ten, surgical treatment includes: a e setting of retained hardware, p ative treatment of TA tendon rup	rauma or chroni here are no clea end-to-end anas anned surgical ture with hardw	c degeneration. Rupture of the TA tendon has r guidelines for treatment of TA tendon tomosis, extensor hallucis longus transfer, or repair requires adjustment. The purpose of this are present from previous first MCJ
Results	We describe a into the navic correction and	We describe a novel technique where the TA tendon is secondarily repaired with a semitendinosus allograft and transferred into the navicular. The patient had an uneventful postoperative recovery and went on to full activity with deformity correction and pain relief.			
Discussions	The managen recommendat retained hard hardware frou This techniqu	The management of TA tendon rupture has not been adequately addressed in the literature. Current surgical recommendations describe tendon transfer into the medial cuneiform. Management of TA tendon rupture complicated by retained hardware has yet to be described. We describe a novel technique to repair the TA tendon rupture in the setting of hardware from previous first MCJ arthrodesis with use of a semitendinosus graft and tendon transfer into the navicular. This technique eliminates the need for hardware removal while a successful outcome.			
Format	Case Study				
Case Rpt Followup	14				
Student Club					
Classification	Rearfoot and	Ankle Reconst	ruction		
Level of Evidence	Level IV				
Authors/Financial Di	sclosures				
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):
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Submission ID	05-00913				Ref ID CS-913	
Title	Extrama	mmary My	ofibroblastoman i	n the Foot of a	Male Patient: a case report	
Submit Date	10/10/2024					
Correspondent	Last Name: Full Name: Practice/Com	Volodina Kseniya, Vol 1pany/Residency	odina, PGY2 y Program:	Email: HMH Jersey	kseniya.volodina@hmhn.org Shore University Medical Center	
Authors	Author 1: Author 3: Author 5: Author 7:	Kseniya, Vol	odina, DPM	Author 2: Author 4: Author 6: Author 8:	James, Sullivan, DPM	
Purpose	Extramamma particularly in distinctive cli patient.	ary myofibrobla n men. It is a sp inical and histol	stoma is an uncommon b indle cell tumor that min ogical presentation of a r	enign tumor that can nics the appearance of are, benign spindle co	develop in soft tissues outside the breast, a breast lesion. This case highlights a ell neoplasm discovered in the foot of a male	
Methodology						
Procedures	A 74-year-old our clinic wit midfoot. On	A 74-year-old male with a medical history of obesity, thyroid cancer, hypertension, and elevated cholesterol presented to our clinic with a several-year history of a tender, gradually enlarging subcutaneous mass on the dorsal aspect of the right midfoot. On examination, the mass was skin-colored, well-defined, and mobile.				
Results	The patient u mass with a s within the ex expressing th spindle cell p cell neoplasn	The patient underwent excision, which revealed a superficial, 5.5 x 3.0 x 2.8 cm ovoid, lobulated, pale gray-tan rubbery mass with a smooth surface, partially covered by a thin layer of off-white translucent fibromembranous tissue, embedded within the extensor tendons. Immunohistochemical analysis showed weak estrogen receptor expression, with rare nuclei expressing the progesterone receptor. There was also positive expression of vimentin and CD34. The final diagnosis was spindle cell proliferation, most consistent with mammary-type myofibroblastoma, ultimately classified as a benign spindle the progesteries of the layer				
Discussions	This case rep dorsal midfo	resents a rare cl ot. These benigr	inical and histologic pres tumors are effectively to	entation of an extram reated with excision a	ammary myofibroblastoma located on the nd have a low risk of recurrence.	
Format	Case Study					
Case Rpt Followup	24					
Student Club						
Classification	Soft Tissue/T	umor				
Level of Evidence	Level IV					
Authors/Financial D	oisclosures					
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):	
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Submission ID	05-00914				Ref ID CS-914	
Title	Use of Me case review	dial Femo w	ral Condyle (MFC) Fla	p in Lowei	Extremity Trauma Patient: a	
Submit Date	10/10/2024					
Correspondent	Last Name:	Volodina				
-	Full Name:	Volodina,Ks	eniya,PGY2	Email:	kseniya.volodina@hmhn.org	
	Practice/Comp	oany/Residenc	y Program:	HMH Jersey S	Shore University Medical Center	
Authors	Author 1:	Kseniya,Volo	odina,DPM	Author 2:	Justin, Fleming, DPM	
	Author 3:			Author 4:		
	Author 5:			Author 6:		
	Author 7:			Author 8:		
Purpose	Avascular nect areas like the t fractures, espe combined with	rosis or persist talus, which ha cially with the n revised fixat	tent nonunion can occur when the as a naturally tenuous blood supp e risk of hardware failure and non ion, demonstrates the effectivene	e vascular supp ly. This case hi a-union. The su ss of a multidis	ly to bone is compromised, as seen in high-risk ghlights the challenges of managing talar neck ccessful use of an medial femoral condyle flap, ciplinary approach in preserving talar function.	
Methodology						
Procedures	53 yo female y poly-trauma a	without a signi nd closed talar	ficant past medical history who v neck fracture.	vas a restrainec	driver in high speed MVA presented with	
Results	The displaced placed. Howev In the revision hardware revis	The displaced talar neck fracture was initially managed with preliminary intra-operative pin fixation, plates/screws were placed. However, at 9 months post-operatively, there was hardware failure and subtotal aseptic non-union without collapse. In the revision surgery, the plastic surgery team collaborated with podiatry by providing a medial femoral condyle flap and hardware revision.				
Discussions	At 9 months for ankle and subt demonstrating union. The suc tool in similar	ollowing the re talar motion w that the media ccess of the M cases, particu	evision surgery, the patient achiev as consistent with their primary t al femoral condyle (MFC) flap ce FC flap in restoring vascularity a larly for patients treated at Level	ved an appropri alar neck injury an be an effection nd promoting b 1 trauma cente	ate union with talar preservation. The patient's , and the only notable symptom was stiffness, we treatment option for talar AVN and non- one healing suggests it could be a valuable rs.	
Format	Case Study					
Case Rpt Followup	13					
Student Club						
Classification	Trauma					
Level of Evidence	Level IV					
Authors/Financial D	isclosures					
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):	
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Submission ID	05-00915				Ref ID CS-915
Title	Reverse S	ural Flap	for Wound Dehisco	ence of Total A	nkle Replacement: A Case Study
Submit Date	10/15/2024				
Correspondent	Last Name: Full Name: Practice/Com	Shakespeare Sydney N S pany/Residenc	e hakespeare, DPM sy Program:	Email: Orthopedic I	sshakesdpm@gmail.com nstitute Brielle Orthopedics
Authors	Author 1: Author 3: Author 5: Author 7:	Sydney N S	hakespeare, DPM	Author 2: Author 4: Author 6: Author 8:	Shane Hollawell, DPM
Purpose	To record a su	uccessful exam	ple of a reverse sural flap	for treatment of wou	nd dehiscence after a total ankle replacement.
Methodology					
Procedures	This is the ca subsequently coverage, ulti	se of a 67 year developed a w mately requiri	old female who underwen yound dehiscence and deep ng a reverse sural flap.	t total ankle replacer tissue infection requ	nent for post-traumatic arthritis. She uring picc line and multiple attempts at wound
Results	The patient w motion and en	as successfully	y healed at 8 months post of five miles daily.	operatively. At one ye	ear of follow up, she has pain-free ankle range of
Discussions	This case rep replacement. do result in co free flaps whi Limited high further resear wound dehisc are mostly of ankle replace	resents one suc Although this complications. T ich are higher i quality studies ch. There is ro cence after TAI low power and ment after wou	ccessful incident of reverse patient did not experience a these complication rates a up the reconstructive ladde exist regarding coverage (bust literature surrounding R. Several articles exist wh d level of evidence. The re- und dehiscence.	sural flap for covera any significant comp opear to be favorable r and contraindicate of TAR wound dehis the reverse sural fla ich discuss the use c verse sural flap seem	ge of a wound dehiscence after total ankle blications, about a quarter of reverse sural flaps to those of many alternative options, such as d by many common comorbid conditions. cence. This leaves many opportunities for p, though few of them discuss their utility for f various flaps for this problem, though these is to be a good option for coverage of a total
Format	Case Study				
Case Rpt Followup	12				
Student Club					
Classification	Rearfoot and	Ankle Recons	truction		
Level of Evidence	Level IV				
Authors/Financial Di	sclosures				
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):
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Submission ID	05-00916					Ref ID CS-916
Title	Managem Acampon	ient of Sever ielic Campoi	e Bilateral Syndrom melic Dysplasia: A C	al Clubfoo ase Report	t in an Infant	with Rare
Submit Date	10/10/2024					
Correspondent	Last Name:	Huetter				
	Full Name:	Konstanze K. H	luetter, MD	Email:	konstanze.huett	er@medunigraz.at
	Practice/Com	pany/Residency P	rogram:	Medical Univ	versity of Graz, Au	istria
Authors	Author 1:	Konstanze K. H	Iuetter, MD	Author 2:	Shruti A. Patel, AACFAS	DPM, MS, DABPM,
	Author 3:	Tanja Kraus, M	D	Author 4:		
	Author 5:			Author 6:		
	Author 7:			Author 8:		
Purpose	Acampomelic resulting in no diagnosed wit	c Campomelic Dys conatal mortality. th ACD.	splasia (ACD) is a rare genet This report discusses the man	ic disorder affe nagement of se	cting bone and car vere bilateral club	rtilage development, often foot in a male infant
Methodology						
Procedures	Campomelic Genetic testin bone bowing, presented with tracheotomy f Ponseti castin of ankle dorsi	Dysplasia (CD) is g confirmed CD t indicative of the h severe bilateral for respiratory dist g was initiated for flexion. A Dennis	characterized by bent long b hrough a de novo heterozyge acampomelic subtype, which clubfoot and developmental tress due to laryngomalacia a r eight weeks, followed by bi Brown Bar maintained the c	ones, foot defo ous mutation in occurs in appr dysplasia of the nd a three-mon ilateral percutan orrection, whil	rmities, hip dyspla the SOX-9 gene. I oximately 10% of hip (DDH). He re th ICU stay for sta neous Achilles ten- e a Tubingen splin	usia, and respiratory issues. Radiographs showed no long (cases. At birth, the infant equired an emergency bilization. Afterward, weekly otomies, achieving 20 degrees t addressed hip dysplasia.
Results	The initial Pir months, the se	rani score was 6. A core further impro	After three months of casting, oved to 0.5, indicating near-n	, it improved to ormal correctio	3 bilaterally, allow n.	wing for tenotomies. By six
Discussions	This case illus an infant with of this rare dis	This case illustrates the effectiveness of Ponseti casting and Achilles tenotomies in managing severe syndromal clubfoot in an infant with ACD. Early intervention yielded positive outcomes, highlighting the need for further research and awareness of this rare disorder associated with high infant mortality.				
Format	Case Study					
Case Rpt Followup	12					
Student Club						
Classification	Rearfoot and	Ankle Reconstruc	tion			
Level of Evidence	Level IV					
Authors/Financial D	oisclosures					
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):
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Tanja Kraus, MD	tanja.kraus@me	dunigraz.at	I/We have nothing to disclo	ose		

Submission ID	05-00929			Ref ID CS-929		
Title	The Use of a Nov Fusion	The Use of a Novel Metal Alloy for Plate Fixation For First Metatarsophalangeal Joi Fusion				
Submit Date	10/11/2024					
Correspondent	Last Name: Martucci					
	Full Name: John		Email:	john.martucci@upperlinehealth.com		
	Practice/Company/Resid	ency Program:	Upperline He	alth		
Authors	Author 1: John A. M	Martucci, DPM FACFAS	Author 2:	Thomas Fusco, DPM FACFAS		
	Author 3:		Author 4:			
	Author 5:		Author 6:			
	Author 7:		Author 8:			
Purpose	First metatarsophalangea chrome, and stainless rer Molybdenum-Rhenium (superior biocompatibility reconstructive surgery ar surgeons — the first met	l joint fusion is a common surgi nain the most common implanta MoRe@) – has been developed 4 v since 2019. The clinical outcon e limited, thus we present our fin atarsophalangeal joint fusion.	cal treatment for e ble metals in ortho and used in spine s nes data of the use ndings after a com	nd-stage arthritis of the joint. Titanium, cobalt- opedic surgery. A novel metal alloy – surgery given its increased fatigue strength and of this metal alloy in foot and ankle trauma and mon procedure performed by foot and ankle		
Methodology						
Procedures	n/a					
Results	Included in this study are with an average follow u dehiscences and no hard observed at the last clinic	Included in this study are 19 patients ranging from 43-79 years of age who were evaluated up to 15.2 months after surgery with an average follow up of 4.1 months (Range: 1.0-15.2 Months). Of the 19 cases presented, there were no wound dehiscences and no hardware removals due to hardware reactions or painful hardware. Radiographic fusion of the site was observed at the last clinic visit for each patient and patients were discharged with follow-up as needed.				
Discussions	A variety of materials an metal alloy in foot and a the alloy or painful hards	A variety of materials and constructs are used by surgeons to stabilize a fusion site. In this series, we showcase a novel metal alloy in foot and ankle surgery. There were no cases of wound dehiscence or hardware explantation due to reaction to the alloy or painful hardware. Fusion was observed for all patients at last clinic follow-up.				
Format	Case Study					
Case Rpt Followup	15					
Student Club						
Classification	Forefoot Reconstruction					
Level of Evidence	Level IV					
Authors/Financial D	isalasuras					
Full Name	Email.	Disclosure(s) selected:		Disclosed Organisation(s)		
John A. Martucci, DPM FACFAS	john.a.martucci@gmail.co	m Consultant/Advisor/Speake	er (List all affiliati	ons) MiRus LLC; AROA Biosurgery		
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Submission ID	05-00930					Ref ID CS-930
Title	Deep Per Arthritis	oneal Nerv	e Neurectomy Viable A	lternative	to Arthrode	sis for Midfoot
Submit Date	10/11/2024					
Correspondent	Last Name: Full Name: Practice/Com	Brikho Marcell pany/Residenc	y Program:	Email: Henry Ford W	mbrikho1@hf Vyandotte	hs.org
Authors	Author 1: Author 3: Author 5: Author 7:	Marcell Brik Nicole M Br	cho, DPM rouyette, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Anna Martin,	DPM
Purpose	Midfoot arthr conservative this option. R arthritis.	odesis is currer measures. How ecent literature	ntly the standard surgical approach vever, due to the extent of the sur thas described deep peroneal ner	ch for chronic n gery and recovery we neurectomy	nidfoot arthritis ery time many p as a viable treat	following failure of atients do not wish to pursue ment option for midfoot
Methodology						
Procedures	The case pres orthotics, and guided injecti candidate for peroneal nerv carried down artery. The ne of the nerve.	ented is of a 70 shoe gear mod on of the deep deep peroneal e 5 cm proxim- until the deep prve was freed f Neuromyodesis)-year-old female who failed yea dification. The patient was offere peroneal nerve was given which nerve neurectomy. Pre-operative al to the ankle joint. A linear inci peroneal nerve was visualized. T from surrounding structures, tran s into the extensor hallucis longu	rs of conservati d midfoot arthr provided 80 % ly ultrasound g sion was made he nerve was id sected and a Ay s muscle was th	ve treatment inc odesis, however relief to determ uidance was util overlying the no lentified dorsola koguard nerve ca nen performed.	luding: steroid injections, she declined. An ultrasound ine if patient was a viable ized to identify the deep erve. Blunt dissection was teral to the anterior tibial pp was applied to the distal end
Results	The patient el reported com	The patient elected to undergo a deep peroneal nerve neurectomy and is now 15 months post-operative without any reported complications. She reports 100% resolution of symptoms.				
Discussions	This case sug patients who	gests that deep are not candida	peroneal nerve neurectomy can ates or are unwilling to undergo n	be a viable trea nidfoot arthrod	tment option foi esis.	chronic midfoot arthritis for
Format	Case Study					
Case Rpt Followup Student Club Classification	15 Neurological	Peripheral Ner	ve Disorders			
Level of Evidence	Level IV					
Authors/Financial Di	isclosures					
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):
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			Consultant/Advisor/Speaker (L	ist all affiliatio	ns)	Paragon 28
Nicole M Brouyette, DPM, FACFAS	nbrouye1@hfhs	s.org	Serve in an official capacity (el other medical or podiatric orga	lected or appoin nization(s)	nted) for any	ACFAS Great Lakes Vice President, ACFAS committee member- Education and scientific affairs, CPME resident review committee

Submission ID	05-00931			Ref ID CS-931		
Title	Titanium Truss Ap Arthroplasty & Ar	plication in Reconstruction throadesis	uctive Surge	ry for Failed First MTP		
Submit Date	10/11/2024					
Correspondent	Last Name: Brandt Full Name: Mary, R, B	randt, DPM, AACFAS	Email:	mrbrandt9@gmail.com		
	Practice/Company/Resider	cy Program:	West Penn H	lospital Foot & Ankle Institute		
Authors	Author 1: Madison, k Author 3: Alan, R, Ca Author 5: Author 7:	L, Burandt, DPM atanzariti, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Mary, R, Brandt, DPM, AACFAS		
Purpose	This study is a retrospectiv arthrodesis with a prefabric	e review of 3 patients, with a reated titanium truss (PFTT) as	minimum of one y an alternative me	rear follow-up, who underwent revision 1st MTP thod of restoring length.		
Methodology						
Procedures	This study presents 3 patie implant or nonunion follow	nts who underwent revision 1s /ing arthrodesis. Minimum fol	t MTP arthrodesis low up was one y	s with a PFTT as a salvage operation for failed ear.		
Results	Radiographs demonstrate s parabola. Each patient retu confirmed on weight-beari	uccessful consolidation with r rned to regular footwear by 4 ng radiographs.	estoration of the s months with pain	agittal plane, first ray length and metatarsal free ambulation and accurate alignment		
Discussions	Avascular necrosis, bone re structural graft to restore le alternative to a structural b harvest, and avoidance of o	Avascular necrosis, bone resection from prior surgery, and other causes of bone loss and shortening, often require a structural graft to restore length and preserve 1st ray weight-bearing. Revision arthrodesis with a PFTT is a reasonable alternative to a structural bone graft, providing superior strength, maintenance of correction, avoidance of bone graft harvest, and avoidance of collapse associated with structural autogenous and allograft bone.				
Format	Case Study					
Case Rpt Followup	14					
Student Club						
Classification	Forefoot Reconstruction					
Level of Evidence	Level IV					
Authors/Financial D	isclosures					
Full Name:	Email:	Disclosure(s) selected:		Disclosed Organisation(s):		
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Submission ID	05-00933				Ref ID CS-933			
Title	A Two-Sta Report	A Two-Stage Approach to Treatment of Overcorrected Clubfoot Deformity: A Case Report						
Submit Date	10/11/2024							
Correspondent	Last Name: Full Name: Practice/Com	Kellmyer Alyssa, N, Kell: pany/Residency P	myer, DPM Program:	Email: Jefferson Hea	tuk51310@temple.edu Ith New Jersey			
Authors	Author 1: Author 3: Author 5: Author 7:	Alyssa, N, Kell Margaret, G, Sc	myer, DPM hadegg, DPM	Author 2: Author 4: Author 6: Author 8:	Sarah, L, Ayvazov, DPM Ryan, K, Andrews, DPM			
Purpose	To demonstra	te a novel two-sta	ge approach to address overco	orrected clubfoo	ot deformity in a 29-year-old patient.			
Methodology								
Procedures	Overcorrected hindfoot valge osteotomies, o to clubfoot ov with hardware with internal f	Overcorrected clubfoot is a historically difficult deformity to treat and consists of a complex flatfoot with flat-top talus, hindfoot valgus, and dorsal navicular dislocation. A variety of procedures are described including supramalleolar osteotomies, calcaneal slide procedures, and arthrodesis. A single patient with severe bilateral flatfoot deformity secondary to clubfoot overcorrection was followed for one year. The patient underwent a left lower extremity two-stage correction with hardware removal, tendo-Achilles lengthening, and application of a Hexapod with transition to pantalar arthrodesis with internal fixation						
Results	Radiographic be 11.6, 1.78, four pre-opera intervention. 7 month, and po patient expres	Radiographic angles including the calcaneal inclination, talar declination, lateral talocalcaneal, and Meary's were noted to be 11.6, 1.78, 9.58 and 12.92 degrees pre-operatively and 15.23, 18.02, 30.12, and 1.08 post-operatively, respectively. All four pre-operative angles were found to be abnormal. Three of the four angles were within normal range after surgical intervention. The AOFAS Ankle-Hindfoot Scale was assessed pre-operatively, inter-operatively, post-operatively at one month, and post-operatively at four months was noted to be 5, 25, 45, and 62 respectively. At one year post-operatively, the protocol protocol and is alknowing for surgical correction of the accurate the accurate the accurate to the surgest one limit.						
Discussions	Given the sev to achieve a re external fixati talipes equino	erity of the soft tis ectus, plantigrade on and subsequen varus.	ssue contractures, external fix foot with favorable outcomes at internal fixation can be a us	ation was utiliz . A two-stage a eful procedural	ed for plastic deformation and ligamentotaxis pproach consisting of gradual correction via approach for patients with overcorrected			
Format	Case Study							
Case Rpt Followup	12							
Student Club								
Classification	Rearfoot and	Ankle Reconstruc	tion					
Level of Evidence	Level IV							
Authors/Financial D	isclosures							
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):			
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Ryan, K, Andrews, DPM

Submission ID	05-00948					Ref ID CS-948			
Title	Surgical M Cage: A C	Surgical Management of a Distal Tibia Bone Defect Using a Custom 3D-Printed Tibial Cage: A Case Report							
Submit Date	10/12/2024								
Correspondent	Last Name: Full Name: Practice/Com	Kayal Emma R. Ka pany/Residenc	ıyal, DPM, AACFAS y Program:	Email: Rocky Moun	Rmreconfellov tain Reconstruct	vship@gmail.com ve Foot and Ankle Fellowship			
Authors	Author 1: Author 3: Author 5: Author 7:	Emma R. Ka Alan Ng, DF	Thomas Arena David Hahn, N	I, DPM, AACFAS MD					
Purpose	Distal tibial b reconstructive growing body thus offering a	one defects, of surgery due to of literature b a novel solution	ten resulting from trauma, infect o their complex anatomy and we y demonstrating successful integ n for complex ankle reconstruct	tion, or tumor r right-bearing fu gration of bone ion and limb sa	esection, pose si inction. This case into a custom 3I lvage.	gnificant challenges in e study aims to add to the D-printed distal tibia implant,			
Methodology									
Procedures	We report the fracture. The tibia with ank designed to fi intramedullar	We report the case of a 65-year-old female with a severe left distal tibial bone deficit following a high-energy pilon fracture. The fracture failed after multiple surgeries resulting in significant structural bone loss and nonunion at the distal tibia with ankle degeneration. At 1 year follow up since initial surgery, a custom 3D-printed titanium tibial cage was designed to fill the defect and provide structural stability. The implant was combined with autologous bone graft and intramedullary nailing for tibiotalocalcaneal arthrodesis.							
Results	At 22 months follow-up since the initial surgery and 10 months follow up since the tibiotalocalcaneal arthrodesis with custom 3D implantation, radiographic evidence confirmed successful osseointegration of the implant without signs of infection, loosening, or subsidence. The patient experienced significant pain relief and was able to bear weight progressively.								
Discussions	This case high tibia bone def integration. Th for limb salva	lights the succ icit. The patier his demonstrat ge surgery.	cessful use of a custom 3D-print nt-specific design provided excel es a promising alternative for m	ed titanium tibi llent defect filli anaging large b	al cage for record ng and mechanic pone defects and	struction of a complex distal cal stability, promoting bone potentially improving outcomes			
Format	Case Study								
Case Rpt Followup	22								
Student Club									
Classification	Rearfoot and	Ankle Reconst	ruction						
Level of Evidence	Level IV								
Authors/Financial Di	sclosures								
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):			
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Submission ID	05-00949 Ref ID CS-949							
Title	Vertical T	Vertical Talus in a Pediatric Patient: A Detailed Case Report						
Submit Date	10/14/2024							
Correspondent	Last Name: Full Name: Practice/Comj	Lucitt Sonali, R, Lucit pany/Residency P	rt, DPM, MA brogram:	Email: Baylor Scott e	sonali.sukumar(& White Health	@bswhealth.org		
Authors	Author 1: Author 3: Author 5: Author 7:	Sonali R. Lucitt Patrick M. Robi	t, DPM, MA inson, DPM, MS	Author 2: Author 4: Author 6: Author 8:	Dy Chin, DPM, Richard N. Goa	MS d, DPM, MA (Bioethics)		
Purpose	This case repo talus is a rare	rt investigates the pediatric deformit	e efficacy of the Dobbs' ty and literature has sho	protocol for treating wn good treatment o	vertical talus in a outcomes with Dob	pediatric patient. Vertical obs' protocol.		
Methodology								
Procedures	This case stud initially diagn Matt Dobbs, a detailing his o talonavicular method of trea order to correa	This case study details a 4 week old male who was seen in the pediatric podiatry clinic with bilateral foot deformity, initially diagnosed as calcaneovalgus. During the course of close follow-up, serial radiographs, and consultation with Dr. Matt Dobbs, a pediatric orthopedic surgeon, the diagnosis had changed to vertical talus. Dr. Dobbs has written an article detailing his own method of treating vertical talus utilizing the reverse Ponseti casting method followed by percutaneous talonavicular joint pinning and an Achilles tenotomy. Other literature has stated the effectiveness of using the Dobbs' method of treatment of vertical talus in pediatric patient population and its usefulness of a minimally invasive technique in order to correct a severe congenital deformity.						
Results	Once the diag casting using The patient ha	nosis of vertical ta the reverse Ponset s been followed p	alus was made, this infa ti casting method follov post-operatively and has	int underwent the Do wed by percutaneous s been doing well.	bbs' protocol whic talonavicular pinn	ch included weekly serial ing and Achilles tenotomy.		
Discussions	The uniquenes and utilizing t Literature has	ss of the case is re he treatment meth showed favorable	elated to Dr. Goad person nods that Dr. Dobbs had e outcomes with regards	nally presenting this recommended as the s to the efficacy of D	case to Dr. Dobbs e diagnosis of vert obbs' protocol.	regarding this infant patient ical talus was confirmed.		
Format	Case Study							
Case Rpt Followup	12							
Student Club Classification Level of Evidence	Rearfoot and A	Rearfoot and Ankle Reconstruction Level IV						
Authors/Financial Di	isclosures							
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Submission ID	05-00952	05-00952 Ref ID CS-952						
Title	Adipofascia	Adipofascial Perforator Flap For Chronic Nonhealing Anterolateral Ankle Ulceration						
Submit Date	10/14/2024							
Correspondent	Last Name: M Full Name: J Practice/Compan	Misocky lames J. Misc ny/Residency	ocky, DPM Program:	Email: TriHealth - B	james_misocky ethesda North Ho	/@trihealth.com spital		
Authors	Author 1: J Author 3: I Author 5: Author 7:	lames J. Misc Dominic A. R	ocky, DPM iizzo, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Logan D. Bircł	ı, DPM		
Purpose	Lower extremity to achieve closur coverage of large	v wounds are re with. Adip e wounds.	a very common pathology treat ofascial perforator flaps compo	ted by foot and osed of subcutar	ankle surgeons. I neous fat and deep	Large wounds can be difficult p fascia can provide durable		
Methodology								
Procedures	CH is a 66 y/o fc approximately 2 had a positive ar underwent an im lateral ankle stab external fixator. wound. 12 week grafting and ach	CH is a 66 y/o female with a PHM of OA and HTN with an anterolateral ankle wound that was previously managed for approximately 2 years by another provider. The wound was approximately 6.0 cm x 2.0 cm x 0.3 cm. Of note, the patient had a positive anterior drawer test on exam and an excessive amount of inversion was appreciated at the ankle joint. She underwent an incision and drainage with multiple bone biopsies (all negative for OM). Three weeks later, underwent a lateral ankle stabilization procedure with an adipofascial perforator flap, bilayer graft application, and application of an external fixator. Four weeks later, the fixator was removed, the wound was debrided, and another graft was applied over the wound. 12 weeks later, the Achilles tendon was lengthened. The patient was then seen for subsequent in-office amnitoic erafting and achieved complete enithelization approximately 5. months after the initial adinofascial eraft procedure.						
Results	The patient's wo	und was com	pletely epithelized 5 months af	fter flap proced	ure was performe	d.		
Discussions	Soft-tissue recor Adipofascial tiss defect of the leg	nstruction of t sue of the leg and minimal	the leg should be durable, aesth raised as perforator flap can ha donor-site morbidity.	etically acceptative wide applic	able and have mir ations to provide	imal donor-site morbidity. durable cover for soft-tissue		
Format	Case Study							
Case Rpt Followup	12							
Student Club								
Classification	Rearfoot and An	kle Reconstru	uction					
Level of Evidence	Level IV							
Authors/Financial D	isclosures							
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Submission ID	05-00953				Ref ID CS-953				
Title	Beyond th	Beyond the Joint: A Case of Lymphoma Mimicking Gout							
Submit Date	10/12/2024								
Correspondent	Last Name: Full Name: Practice/Com	Miggantz Sydney H. M pany/Residenc	figgantz y Program:	Email: Mercy Health	smiggant@kent.edu				
Authors	Author 1: Author 3: Author 5: Author 7:	Sydne H. Mi Gary J. Most	iggantz, DPM t, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Angelika Sheiman, DPM				
Purpose	The purpose or regimens fail	of this case stud to ensure that r	dy is to highlight the need for con rare but malignant conditions are	nprehensive dia not overlooked.	gnostic evaluation when standard treatment				
Methodology									
Procedures	This case dep protocols. In t and third digit and gout med Patient was ev intra-operative lymphoma. O	icts the importa- his case study, is, and elevated ications, an MI ventually taken e specimens wo nce this diagno	ance of persistent diagnostic evalu- the patient presented with skin cl d uric aid, initially diagnosed as g RI was obtained and was found to to OR for amputation of the secc ere sent to Pathology for further of ssis was made, patient was referred	uation when a p hanges, associat out. Due to ong b be unimpressiv ond and third dig evaluation and v ed to Oncology	atient fails to respond to standard treatment ed erythema and edema of the right second oing symptoms unresponsive to IV antibiotics /e for any underlying infectious etiology. gits for worsening of pain and symptoms. The vas eventually revealed to be malignant T cell team.				
Results	After failed co proceed with histological re	onservative treasecond and this port of the intr	atment consisting of antibiotics and rd digital amputations. A diagnosi ra-operative specimens obtained.	nd standard gou is of malignant	t medications, the decision was made to T cell lymphoma was revealed from the				
Discussions	When a patier diagnoses. If a and surgical in suspicious for	tt presents with routine treatme ntervention wit malignancy.	n painful erythematous dactylitis, nts for suspected diagnoses do no th comprehensive cultures and bio	Podiatrist's for ot improve symj opsies is warran	nulate a list of common differential toms, advanced imaging, laboratory workup, ted. Podiatrists must always remain				
Format	Case Study								
Case Rpt Followup	13								
Student Club									
Classification	Soft Tissue/Tu	imor							
Level of Evidence	Level IV								
Authors/Financial Di	sclosures								
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-00959					Ref ID CS-959
Title	Flexor Di Techniqu	gitorum Loı e Guide	ngus to Peroneal Tend	on Transfe	ers - A Mini (Case Study and
Submit Date	10/13/2024					
Correspondent	Last Name: Full Name:	Prasad Shalvi Prasad,	DPM, PGY III	Email:	shalviprasad16	@gmail.com
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Authors	Author 1:	Shalvi Prasad,	DPM, PGY III	Author 2:	Anish Sharma,	DPM, PGY I
	Author 3:	Ian Burtenshav	v, DPM	Author 4:	Chad Seidenstr	icker, DPM, FACFAS
	Author 5:			Author 6:		
	Author 7:			Author 8:		
Purpose	The transfer of and ankle surg decrease in pa reconstruction clinical presen of FDL tendo	of flexor digitorun gery. In patients v in and regain sta n of lateral ankle ntations is pivota n transfers to per	m longus (FDL) to peroneal ter with significant ankle pain and bility while ambulating. Currer ligaments with rearfoot osteoto I for effective management and oneal tendons with at least 1 yo	ndons is a rare instability, this nt treatment ind omies. Underst d enhanced pati ear of follow up	and novel proced tendon transfer of cludes bracing, pl anding the surgic ent outcomes. Th p.	ure, not well-known in foot can allow patients to have a nysical therapy and al technique and varying his case series highlights cases
Methodology						
Procedures	In our study, 2 tendon transfe showing impr successful our noting reduce rupture of per	2 patients experie ers. This technique roved functional s teomes in patient d pain and impro- roneal tendons, w	enced substantial pain relief and the aligns with results reported i stability following transfers in p s with peroneal tendon tears tr wed ankle function. Borton (19 ith FDL transfers achieving pa	d restored ankle n literature. Sh patients with p eated with later 998) documente in reduction an	e stability after ur erman (2019) der eroneal tendinopa al transfer of FD ed favorable resul d functional reco	ndergoing FDL-to-peroneal monstrated similar outcomes, thy. Seybold (2016) reported L or flexor hallucis longus, ts in cases of transverse very.
Results	Both patients increased eve	had partial or con rsion strength.	mplete rupture of both peronea	l tendons and,	1 year postoperat	ively, reported no pain and
Discussions	Our findings surgery. This	support current re novel approach p	esearch, emphasizing the impor provides a viable surgical option	rtance of ensur n for patients w	ing 5/5 muscle str who have exhauste	rength in the FDL prior to ed conservative measures.
Format	Case Study					
Case Rpt Followup	12					
Student Club						
Classification	Rearfoot and	Ankle Reconstru	ction			
Level of Evidence	Level IV					
Authors/Financial Di	isclosures					
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Submission ID	05-00960				Ref ID CS-960
Title	A Rare C Mimickin	ase of Wes 1g Guillain	t Nile Virus Causing Barre Syndrome	Ascending L	ower Extremity Paralysis
Submit Date	10/13/2024				
Correspondent	Last Name:	Prasad			
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	Practice/Com	pany/Residenc	ey Program:	DVA–New M Kaiser Found	Aexico Veterans Affairs Health Care System & lation Hospital
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	Author 3:	Mohamed A	bdelgilil, DPM, PGYI	Author 4:	Michael Elliott, MD
	Author 5:			Author 6:	
	Author 7:			Author 8:	
Purpose	This study ex neurological extremity we cases of sudd	plores the diag conditions, par akness. We ain en limb paraly	nostic challenges in distingui ticularly Guillain-Barré Synd n to highlight the importance sis and neuropathic pain in fo	ishing neuroinvasi lrome (GBS), in pa of considering vir oot and ankle patho	ve West Nile Virus (WNV) from other atients presenting with progressive lower al etiologies, such as WNV, when addressing ology.
Methodology					
Procedures	A 61-year-old GBS due to h WNV. Accord flaccid paraly misdiagnosed	l female preser er recent histor ding to Habaru vsis, mimicking l as GBS, empl	tted with progressive lower e ry of viral infection and ascer gira et al. (2020), WNV can p conditions like GBS. Beshai hasizing the overlap in clinica	xtremity weakness nding motor defici present with severe i et al. (2020) also al presentations be	s and inability to walk, initially thought to be ts. However, serological testing confirmed e neurological symptoms, including acute describe cases where WNV has been tween the two conditions.
Results	Positive WN identified. Th therapy helpe	V serology con le patient's mot d her regain pa	firmed the diagnosis of neuro tor deficits improved with IV rrtial mobility, though some r	oinvasive WNV, w immunoglobulin esidual weakness	ith no mechanical or autoimmune causes (IVIG) therapy and supportive care. Physical remained.
Discussions	This case hig weakness and from mechan preventing lo	hlights the imp l neuropathic p ical or autoimr ng-term compl	ortance of considering neuro ain, especially when classica nune causes in foot and ankle ications.	invasive WNV in l signs of GBS are conditions can le	patients presenting with acute lower extremity absent. Early differentiation of viral infections ad to timely and appropriate management,
Format	Case Study				
Case Rpt Followup	12				
Student Club					
Classification	Neurological	Peripheral Ner	rve Disorders		
Level of Evidence	Level IV	*			
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Michael Elliott, MD

Submission ID	05-00962 Ref ID 0							
Title	Reactive s gastroente	Reactive salmonella arthritis in bilateral foot and ankle joints following salmonella gastroenteritis in patient with multiple sclerosis						
Submit Date	10/12/2024							
Correspondent	Last Name:	Palazzi						
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	Practice/Comj	pany/Resider	ncy Program:	Foot and An	kle Physicians of Ohio			
Authors	Author 1:	Gina M Pa	lazzi, DPM, AACFAS	Author 2:	Melissa Foster, DPM, AACFAS			
	Author 3:	Elizabeth I	lewitt, DPM, FACFAS	Author 4:				
	Author 5:			Author 6:				
	Author 7:			Author 8:				
Purpose	Reactive arthr a patient with of the triad of	itis (ReA) ha severe bilate arthritis, ure	as been a common occurrence ral foot and ankle pain follo thritis, and conjunctivitis, bu	e following gastroin wing a bout of salme at in this case, the ar	testinal infection. This case study demonstrates onella gastroenteritis. Reiter's typically consists thritis prevailed.			
Methodology								
Procedures	Patient presen confirmed dia with ReA and reappointed to multidisciplin	ted to emerg gnosis of Sal given ciprof ED after ha ary approach	ency department (ED) initia imonella gastroenteritis a fev loxacin, a prednisone taper a ving prednisone de-escalated in order to combat her sym	lly with bilateral exc v days prior. Follow and naproxen. Patier d. Patient continues ptoms.	ruciating foot and ankle pain. Patient had a ing an extensive workup, patient was diagnosed tt was progressing well following discharge, but to progress in outpatient setting but needs a			
Results	Patient contin therapy and po	Patient continues to have arthritic pain after initial presentation and follows with rheumatology, ortho spine, physical therapy and podiatry in order to keep disease at bay.						
Discussions	The literature followed in ou also has multi	The literature notes variable presentations of ReA and successful treatment modalities. In this case, patient has been followed in outpatient setting for over a year with only minimal improvement. This case is unique in the fact that patient also has multiple sclerosis, which may be a reason why ReA has persisted so long after initial inoculation.						
Format	Case Study							
Case Rpt Followup	14							
Student Club								
Classification	Wound Care/I	nfectious Di	seases					
Level of Evidence	Level IV							
Authors/Financial D	visclosures							
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FACFAS

Submission ID	05-00963	05-00963 Ref ID CS-						
Title	Heel pain diagnoses	Heel pain - do we employ advanced imaging sooner to rule out uncommon differential diagnoses?						
Submit Date	10/12/2024							
Correspondent	Last Name:	Palazzi						
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	Author 7:			Author 8:				
Purpose	Plantar fascii conservative methods exis relatively und question begs	Plantar fasciitis is the most common differential diagnosis when a patient presents with heel pain. In most cases, a conservative treatment plan ensues with only a preliminary weight bearing radiograph taken at first office visit. A variety of methods exist within the first few month period but further imaging usually isn't done until after a few months. Although relatively uncommon, heel pain thought to be plantar fasciitis could be a schwannoma as seen in this case study. The question begs whether to get advanced imaging earlier to create a more robust list of differential diagnoses.						
Methodology								
Procedures	Patient had b without contr was obtained as schwannor	een seen by and rast was done, a , indicating a p ma. Patient we	other provider for plantar fasci as the patient continued to have robable schwannoma. After su at on to heal uneventfully and	iitis and had a tars e heel pain follow Irgical interventio persist without pr	al tunnel and plantar fascia release. An MRI ing release. A secondary MRI with contrast n, soft tissue mass was removed and confirmed ior heel pain.			
Results	Patient went	on to heal from	the secondary surgery unever	ntfully and no lon	ger persists with heel pain.			
Discussions	Plantar fascii is conducted Schwannoma should we sta	tis is one of the initially and ad a is not a comm art conducting a	e most common reasons that pa vanced imaging usually isn't v on differential diagnosis that o advanced imaging sooner to ru	atients present clin warranted until th comes to mind wi ile out these other	nically as podiatrists. Most often, basic imaging e patient requires surgical intervention. th associated heel pain. This begs the question: somewhat rare differentials?			
Format	Case Study							
Case Rpt Followup	12							
Student Club								
Classification	Soft Tissue/T	umor						
Level of Evidence	Level IV							
Authors/Financial D	isclosures							
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Submission ID	05-00968				Ref ID CS-968		
Title	Analysis Compare Prelimina	of Interposit d with First ary 12 Year I	ional Arthroplasties a Metatarsal Phalange Longitudinal Study	as a Joint S al Joint Fu	paring Primary Procedure When sions - A Single Center		
Submit Date	10/15/2024						
Correspondent	Last Name:	Prasad					
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	Practice/Con	npany/Residency	Program:	DVA New Me Kaiser Found	exico Veterans Affairs Health Care System & lation Hospital		
Authors	Author 1:	Shalvi Prasad,	DPM	Author 2:	Andrew Ferguson, DPM		
	Author 3:	Anish Sharma,	DPM	Author 4:	Soran Azizi, DPM		
	Author 5:	Matthew Cobb	, DPM, FACFAS	Author 6:	Zachary Haas, DPM, FACFAS		
	Author 7:			Author 8:			
Purpose	This study co metatarsal ph (CS) scores. scores can pr	This study compares the effectiveness of interpositional arthroplasty (IPA) using acellular dermal matrix versus first metatarsal phalangeal joint (MTPJ) fusion in treating hallux rigidus (HR), based on pre-operative Coughlin and Shurnas (CS) scores. The aim is to determine if there is a difference in patient satisfaction between the two procedures and if CS scores can predict better satisfaction outcomes.					
Methodology							
Procedures	HR is charac America. Bu regenerative fusion, partic postoperative	terized by pain an tler et al. discusse tissue matrices fo ularly in severe c e outcomes were a	d limited motion in the first M d IPA's role as a joint-sparing r advanced HR. Donegan, as v ases. In this study, 67 patients assessed using VAS, FAOS, ar	4TPJ. Gould et a option, with Be well as Scheurer underwent IPA ad FFI scores, w	al. identified HR as a common foot issue in erlet et al. showing positive outcomes using r et al., reported long-term success with MTPJ and 122 underwent MTPJ fusion. Pre- and vith HR severity graded by CS scores.		
Results	A total of 26 no statistical	IPA and 12 MTP. y significant diffe	J fusion patients were able to l erence in patient satisfaction b	e contacted. Fo etween IPA and	our IPA patients later required fusion. There was I MTPJ fusion when comparing CS scores.		
Discussions	IPA appears improvemen better satisfa satisfaction,	to be a viable join t compared to MT ction with fusion regardless of their	t-sparing alternative, offering 'PJ fusion, regardless of CS sc for severe HR. Over the last 1 preoperative CS scores.	no significant d ores. These find 2 years, both pr	lifference in satisfaction or functional dings challenge previous research suggesting rocedures yielded comparable patient		
Format	Case Study						
Case Rpt Followup	12						
Student Club							
Classification	Forefoot Rec	onstruction					
Level of Evidence	Level III						
Authors/Financial D	Disclosures						
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Submission ID	05-00969	05-00969 Ref ID CS-969							
Title	Complica Surgical l	Complications of Untreated Ankle Sprains: A Case of Mal-Union, Deformity, and Surgical Intervention							
Submit Date	10/14/2024								
Correspondent	Last Name: Full Name: Practice/Com	.ast Name: Ocasio-Martínez Jull Name: Gabriel A. Ocasio-Martínez, B.S. Email: gabriel.ocasiomartinez@mymail.barry.edu Practice/Company/Residency Program: Barry University School of Podiatric Medicine							
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Purpose	This case und raise awarene deformities a	lerscores the critical role ess of how initial conserv nd complications that rec	of follow-up care in pr vative management, wit quire more aggressive t	eventing comp hout subseque reatment.	plications after ankle sprain injuries. It aims to nt monitoring, can lead to severe structural				
Methodology									
Procedures	This report pr sought initial follow-up tre- medial mallee subluxation v weightbearin; patient's defo	resents a 47-year-old ma treatment at an urgent c atment. 5 months later, t olus of the same ankle. Uvere evident, causing the g. Surgical treatment inv rmity.	le with a neglected ank are facility where he re- he patient presented to ^J pon radiographic exan medial malleolus to cr olving a fibular takedo	le fracture rest ceived initial c the emergency nination, mal-u eate a pressure wn and TTC a	Iting from a medial ankle sprain. The patient ompression therapy but didn't engage in any department with a painful ulcer at the site of the nion of the distal fibula and severe tibiotalar point at the site of the ulcer upon throdesis were deemed necessary to correct the				
Results	After surgery further comp	After surgery, the patient was seen for follow-up for 12 months before being discharged from care pain free and with no further complications.							
Discussions	This case hig minor injurie: and ulcer for arthrodesis, c	hlights the need to prom s like ankle sprains, to p nation. It also showcases an restore function and r	ptly follow up with pati revent the development s how the choice of sur esolve complications o	ents after initi of secondary gical intervent f neglected an	al conservative treatment, even for seemingly complications such as mal-union, subluxation, ion, such as a fibular takedown and TTC kle fractures.				
Format	Case Study								
Case Rpt Followup	12								
Student Club									
Classification	Rearfoot and	Ankle Reconstruction							
Level of Evidence	Level IV								
Authors/Financial l	Disclosures								
Full Name:	Email:		Disclosure(s) selected	:	Disclosed Organisation(s):				
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Submission ID	05-00974				Ref ID CS-974				
Title	A Rare Si	A Rare Side Effect After a Common Podiatric Injection							
Submit Date	10/13/2024								
Correspondent	Last Name: Full Name: Practice/Comj	Ramnani Anushka, S, pany/Residenc	Ramnani, DPM y Program:	Email: Crozer-Chest	ramnani4@gmail.com er Medical Center				
Authors	Author 1: Author 3: Author 5: Author 7:	Anushka Ra Rhonda Cor	mnani, DPM nell, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Josef Elouze, DPM				
Purpose	Hiccups are a our knowledge the foot	rare and under e, this is the fi	rreported side effect of corticos rst reported case presented in po	teroid injections odiatric literature	, especially in the lower extremity and foot. To e of hiccups after a corticosteroid injection into				
Methodology									
Procedures	A 40- year-old spurring. Duri reported sever a 2nd corticos	A 40- year-old male presented to a podiatric office with worsening right heel pain, diagnosed as plantar fasciitis and heel spurring. During the course of treatment, the patient underwent a corticosteroid injection into the plantar fascia. He then reported severe unrelenting hiccups less than 24 hours later. At a follow-up appointment 4 weeks later, the patient received a 2nd corticosteroid injection in the same area and reported hiccups again, 24 hours later.							
Results	Corticosteroid lead to indiges range from 1- sympathetic re parasympathet	injections are stion, elevated 18 hours with eflex arc may i tic overdrive,	a common treatment option, us blood glucose, and tendon rupt duration ranging from 1-9 days lead to this phenomenon. Volun may be another theory leading t	sed often to decr ure. The onset of Triggering of t ne effect due to t to patients havin	ease inflammation. The use of steroids may f hiccups, a much less common side effect, can he afferent pathway of the lower extremity he local anesthetic, causing the body to go into g hiccups after local corticosteroid injections.				
Discussions	Although rare assist them in investigation i	, knowing this knowing and s needed as pl	information may assist podiatr possibly changing, the volume harmacologic intervention may	ic physicians in of anesthetic giv be necessary	alerting the patient of this side effect, as well as en in patients prone to this side effect. Further				
Format	Case Study								
Case Rpt Followup	14								
Student Club									
Classification	Neurological/	Peripheral Nei	rve Disorders						
Level of Evidence	Level IV								
Authors/Financial Di	sclosures								
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-00976				Ref ID CS-976
Title	Emphyse	matous Os	teomyelitis of the Calca	aneus: Case	Study
Submit Date	10/14/2024				
Correspondent	Last Name:	Kiefer			
	Full Name: Practice/Com	Chase, T, Ki pany/Residenc	efer y Program:	Email: UPMC Mercy	kieferct2@upmc.edu
Authors	Author 1:	Jeffrey Man	way, DPM	Author 2:	
	Author 3:			Author 4:	
	Author 5:			Author 6:	
	Author 7:			Author 8:	
Purpose	Emphysemate of this case st condition that	ous osteomyeli udy is to discu t is seldom seer	tis is very rare condition that if n ss early recognition on imaging n n in the foot and ankle.	ot appropriately modalities and th	treated can be a fatal condition. The purpose he prompt treatment repsonse for this
Methodology					
Procedures	Patient is a 57 department for intraosseous g cases involvin	7-year-old with or concern of le gas of the left c ng the foot and	a past medical history of Diabet off foot infection. Imaging was of calcaneus. Upon literature review ankle for emphysematous osteor	es Mellitus II an otained and Xray , only 49 cases v myelitis.	d Charcot who presented to the emergency /, MRI as well as CT demonstrated were available with less than 10% of these
Results	Patient ultima	tely underwen	t a below-knee amputation for th	e extremity for j	primary source control.
Discussions	Emphysemate speciality con condition.	ous osteomyeli sultation. Futu	tis is an extremely rare condition re studies should evaluate other	which requires potential treatme	prompt recognition and utilization of multi- nt options for this dangerous and rare
Format	Case Study				
Case Rpt Followup	12				
Student Club					
Classification	Diabetic Foot				
Level of Evidence	Level IV				
Authors/Financial Di	isclosures				
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):
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Submission ID	05-00977				Ref ID CS-977				
Title	Salvageabl	Salvageable First MPJ Arthrodesis Non-Union with Permanent Antibiotic Spacer							
Submit Date	10/13/2024								
Correspondent	Last Name: Full Name: Practice/Compa	Tescher Laramie A. T any/Residency	°escher, DPM y Program:	Email: Detroit Med	laramietescher85@gmail.com cal Center				
Authors	Author 1: Author 3: Author 5: Author 7:	Laramie A. T Raed Al-Gha	Yescher, DPM rib, DPM	Author 2: Author 4: Author 6: Author 8:	Anooshay Naveed, DPM				
Purpose	Purpose of stud revision of non significant bone voids.	ly is to exami union of first e void, therefo	ne long term success of MPJ arthrodesis. This is ore of interest for long te	implanting a permane an atypical salvage a rm follow up and pot	at antibiotic spacer as a salvage option for tempt for first MPJ nonunion, especially with a ential salvage options for similar cases with large				
Methodology									
Procedures	Studies have sh studies targeted 5cm are non-ex lead to extreme was not a part o Patient underw powder and K-	own that MP. l at infectious istant. This ca pain and non of procedure. ent HWR, bic wire fixation.	J arthroplasty with antib non-unions. Literature r ase study presents a 57Y -union. Patient would h Due to pain, patient elec psies, and implantation	iotic spacer is an optic egarding this topic wi OF who underwent M ave likely benefited fr ted to proceed with sa of 5cm antibiotic cem	n for nonunion of MPJ arthrodesis, however th non-infected nonunions with bone voids of IPJ fusion 18 months prior which subsequently om ICBG with index procedure, however that lvage attempt of MPJ arthrodesis non-union. ent spacer with vancomycin and tobramycin				
Results	Bone biopsy re returned to base	turned showir eline acitivite	ng no osteomyelitis. K-w s; pain free at one year.	vire removed 6 weeks	postop. Spacer intact without rejection. Patient				
Discussions	Case study dem large voids. Res when MPJ arth	nonstrates that search limited rodesis fails v	t implantation of antibio for treatment options for vith large voids. This stu	tic spacer is viable sal or failed MPJ arthrode dy demonstrates that	vage option for MPJ arthrodesis nonunion with sis, therefore questions remain regarding options his is a successful salvage option.				
Format	Case Study								
Case Rpt Followup	14								
Student Club									
Classification	Forefoot Recon	struction							
Level of Evidence	Level IV								
Authors/Financial D	oisclosures								
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):				
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Raed Al-Gharib, DPM	ralghari@kent.ed	u	I/We have nothing to c	lisclose					

Submission ID	05-00978			Ref ID CS-978			
Title	Conversion of Failed A Custom Fibula in a Pa	Ankle Arthrodesis to atient with Pes Cavus	Fotal Ankle	Arthroplasty Using A Novel			
Submit Date	10/13/2024						
Correspondent	Last Name: Siegel Full Name: David, M, Sieg Practice/Company/Residency F	el, DPM Program:	Email: INOVA Fairfa	dsiegel55@gmail.com x Medical Campus			
Authors	Author 1:David, M, SiegAuthor 3:Gabrielle, UpteAuthor 5:Author 7:	el, DPM graph, DPM	Author 2: Author 4: Author 6: Author 8:	Anthony, J, Schwab, DPM Richard, Derner, DPM, FACFAS			
Purpose	Conversion of Failed Ankle Ar Cavus	throdesis to Total Ankle Arthro	oplasty Using A	Novel Custom Fibula in a Patient with Pes			
Methodology							
Procedures	Currently, an absent lateral mal patient population. Previous stu Milanese technique, iliac crest own respective potential compl reconstruction. The second pro	leolus is considered a contrain idies have reported on lateral r autograft, fibular allograft, and ications. Staged approach: Ini cedure was a patient specific to	dication to TAA nalleolar recons f fibular lengthe tial surgery con otal ankle arthro	A, which narrows treatment options for this struction using techniques such as the ening osteotomies which all come with their sisted of a triple arthrodesis and fibular uplasty three months after index procedure.			
Results	At 12 month follow up patient implant and fibula without evic	is ambulating without pain or lence of migration or loosening	other complicat g.	ions. Radiographs demonstrate well aligned			
Discussions	There are a multitude of situati lacking a distal fibula. These in trauma resulting in absent or sh this would preclude said patien specific patient population. Fur track survivorship.	There are a multitude of situations where a patient may fit the scenario where they require a total ankle arthroplasty but are lacking a distal fibula. These include but are not limited to previously failed ankle fusion with fibular take-down, major trauma resulting in absent or shortened fibula, infection requiring fibulectomy, and tumors requiring excision. Historically, this would preclude said patient from receiving a total ankle replacement. This study adds to the surgical options for this specific patient population. Further research is needed to compare alternative techniques. Long-term follow up is needed to track survivorshin					
Format	Case Study						
Case Rpt Followup	12						
Student Club							
Classification	Rearfoot and Ankle Reconstruct	tion					
Level of Evidence	Level V						
Authors/Financial D	visclosures						
Full Name:	Email:	Disclosure(s) selected:		Disclosed Organisation(s):			
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Submission ID	05-00979				Ref ID CS-979			
Title	Congenital Clu Delay: A Single	ibfoot e Stag	: Deformity in the Adu e Approach	ılt Patient v	vith Underlying Development			
Submit Date	10/13/2024							
Correspondent	Last Name: Tescl	her						
-	Full Name: Laran Practice/Company/R	mie Ash esidenc	lee Tescher y Program:	Email: Detroit Medi	laramietescher85@gmail.com cal Center			
Authors	Author 1:LaraAuthor 3:BrianAuthor 5:Author 7:	mie A. T n G. Kis	escher, DPM sel, DPM, MBA, FACFAS	Author 2: Author 4: Author 6: Author 8:	Anooshay Naveed, DPM			
Purpose	Although treatment f social factors. What accommodate for soc	for adult if there i cial facto	clubfoot deformity is typically is a social component that com- prs while correcting deformity	v staged, that isn plicates the 'star in single staged	't always viable based on patient population and adard' approach? This study aims to approach.			
Methodology								
Procedures	Current literature sho stage approach with worsening. Patient b progression, safety w because of deformity wedge osteotomy, pl	Current literature shows that staged approach for adult clubfoot is standard, however there are studies that support single stage approach with promising results This is a 59YOM w/ developmental delay and clubfoot deformity – progressively worsening. Patient broke through Arizona brace, walking on lateral aspect of foot. skin breakdown occurring. Because of progression, safety was in question; guardian considered transition to group home from current independent living solely because of deformity. Underwent single stage approach including PT/FHL/FDL tenotomies, tarsal tunnel release, talar wedge osteotomy, plantar fasciotomy, TTC with nail						
Results	Healed, no wounds, living	Healed, no wounds, no HWR failure, radiographic signs of fusion. Ambulating with a brace without pain; independent living						
Discussions	In literature, the stan However, factoring i overall. For this patie to further problems. approaches should be	In literature, the standard of practice for surgical management for congenital clubfoot in adults is a staged procedure. However, factoring in a patient's lifestyle and cognitive ability is of essence when choosing which procedure will be best overall. For this patient, if all corrections were not addressed in one surgery, it likely would have been unsuccessful and led to further problems. A single approach proved to be successful. Although it may not be the standard, single stage approaches should be considered more and utilized when exploring surgical options to treat clubfoot deformities						
Format	Case Study							
Case Rpt Followup	30							
Student Club								
Classification	Rearfoot and Ankle l	Reconst	ruction					
Level of Evidence	Level IV							
Authors/Financial Di	sclosures							
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):			
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Submission ID	05-00981			Ref ID CS-981
Title	Case of Monostat	ic Paget's Disease in the C	Calcaneus '	Treated by Primary Arthrodesis
Submit Date	10/14/2024			
Correspondent	Last Name: Somma Full Name: Jessica Practice/Company/Resid	ency Program:	Email: Phoenixville	jsomma07@gmail.com Hospital
Authors	Author 1: Spencer 1 Author 3: Author 5: Author 7:	Monaco, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Jessica Somma, DPM PGY3
Purpose	Discuss a case of rare mo treatment, instead opted	onostatic Paget's Disease (MPD) to t for primary arthrodesis of the STJ.	he left calcane	sus in a patient who did not want pharmacologic
Methodology	-			
Procedures	MPD is characterized by lytic/sclerotic areas, abn less than 3% of presental present, pharmacologic <i>d</i> surgical treatment for MI sinus tarsi. All articular c made at the proximal asp STJ. The STJ was reduce fluoroscopic guidance sp were placed.	focal areas of excessive osteoclastic rmal trabeculae, & cortical thickeni itons. Historically, it has an excellen & surgical treatment is recommendee PD in the calcaneus. Linear incision rartilage was removed from the STJ beet of the tibia; approximately 5cc c d, and 2 guide wires were placed th anning from the plantar aspect of th	: & osteoblasti ng. MPD in th t response to p d. Research rev was placed 1c and STJ surfac of cancellous ti rough a separa e calcaneus &	c activity. Radiographic findings show mixed e calcaneus is extremely rare & accounts for harmacologic therapy. With arthritic changes realed no publications discussing isolated m distal to the lateral malleolus overlying the res were fenestrated. A separate incision was bial bone was harvested, then placed within the te incision to the plantar heel under to the talus. Two 6.5mm cannulated screws
Results	Postoperative radiograph weeks. At 3 months, fully	is were obtained at weeks 1, 2, 4, 6, y ambulating in supportive footwear	8, 12, 6 month , with complet	s, and 1 year. Patient remained NWB for 6 e consolidation.
Discussions	Patient was not interested treating patients with bio recurrence at 1 year post-	d in pharmacologic treatment althou, logics prior to arthrodesis. Despite t -op.	gh research sh his, our patien	ows its effectiveness. Research recommends thealed with no complications & is without
Format	Case Study			
Case Rpt Followup	12			
Student Club				
Classification	Rearfoot and Ankle Reco	onstruction		
Level of Evidence	Level V			
Authors/Financial Di	isclosures			
Full Name:	Email:	Disclosure(s) selected:		Disclosed Organisation(s):
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Submission ID	05-00983			Ref ID CS-983				
Title	Vascularized Free Fil Septic First Metatars	bular Tissue Transfer i sophalangeal Joint	for Bone Bl	ock Distraction Arthrodesis of a				
Submit Date	10/14/2024							
Correspondent	Last Name: Van Full Name: Griffin, I, Van Practice/Company/Residency	, DPM Program:	Email: MedStar Healt	griffin.van@medstar.net h				
Authors	Author 1:Griffin, I, VanAuthor 3:Rajiv, P, ParikAuthor 5:Caitlin, S, ZanAuthor 7:Caitlin, S, Zan	, DPM h, MD, MPHS ick, DPM	Author 2: Author 4: Author 6: Author 8:	Ali, Rahnama, DPM, FACFAS Kurtis, Bertram, DPM, AACFAS				
Purpose	Bone loss of the medial colun of medial column length press first ray salvage in the face of	nn can be devastating, resulting erves function. This case report a septic first metatarsophalang	in significant al details the use o eal joint.	terations in gait. When possible, maintenance of vascularized fibular free tissue transfer for				
Methodology								
Procedures	Preservation of medial colum loss is involved, amputation is re-ulceration with partial first Keller arthroplasty, fusion wi options provide vascularity ar free fibular flap is well establi underwent staged reconstructi arthrodesis.	n bony architecture is paramour s commonly the standard of car ray amputations Salvage option h interpositional graft, cement i d structure on par with the vasc shed, its use in reconstruction c on of the first ray utilizing vasc	It to the mainten e. It is well estat is to manage a s spacer, and patie cularized free fil of the first ray is sularized free fil	nance of normal gait. When significant bone blished that there is an increased incidence of eptic first metatarsophalangeal joint include, ent-specific implants. However, none of these oular tissue flap. While the use of vascularized limited. In this study, a single patient oular tissue transfer for bone block distraction				
Results	At 16 months post-reconstruc The patient required split-thic	At 16 months post-reconstruction, the patient experienced complete healing and returned to baseline ambulatory function. The patient required split-thickness skin grafting for minor delayed wound healing.						
Discussions	Maintenance of the first ray is the ability to preserve bony ar tissues and the fusion site.	essential to progressing throug chitecture, but also supplies vas	h normal gait. V scularity and the	/ascularized free fibular flap not only offers as increased healing potential of the soft				
Format	Case Study							
Case Rpt Followup	16							
Student Club Classification	Forefoot Reconstruction							
Level of Evidence	Level V							
Authors/Financial D	isclosures							
Full Name:	Email:	Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-00984				Ref ID CS-984
Title	Understandi Case Report	ing "Int t	ersection Syndrome" o	of the Foot -	Diagnosis and Treatment - A
Submit Date	10/13/2024				
Correspondent	Last Name: A Full Name: V	tuluru ⁄arsha Atulu	ıru, DPM, AACFAS	Email:	varshaatuluru@gmail.com
	Practice/Company	y/Residenc	y Program:	Foot & Ankle Surgery Fello	Specialists of Central Ohio Foot & Ankle wship
Authors	Author 1: V	arsha Atulu	ıru, DPM, AACFAS	Author 2:	Deana L. Lewis, DPM, AACFAS
	Author 3: D	aniel B. Lo	ogan, DPM, FACFAS	Author 4:	
	Author 5:			Author 6:	
	Author 7:			Author 8:	
Purpose	The Master knot of and the FDL tend times. It's a comm diagnosis and treat appropriately and	of Henry (! lons crosso monly over atment. We l underwent	MKH) intersection syndrome is ver. This is a clinical diagnosis, looked pathology given the rarit present a case report of a patier t bilateral resection of the fibrou	caused by repet although a muse y of this disordent the with bilateral as band at the M	itive friction at the junction at which the FHL culoskeletal ultrasound can easily confirm it at er and limited literature reported regarding its intersection syndrome who was diagnosed HK.
Methodology					
Procedures	43F with bilateral responding to trea the MKH with ten bilateral FHL and	l chronic pl atment. MF nosynovitis l FDL debr	antar foot pain for >8 years wh RI and high frequency US obtair s. After failed conservative meas idement w/ release of MKH.	o was initially d and bilateral feet sures, the patient	iagnosed with plantar fasciitis and not which demonstrated thickening of the FHL at t opted for surgical treatment. She underwent
Results	The preoperative with only a mild a satisfactory relief	symptoms ache and so f of the pati	for our patient subsided quickly ome limitations with certain acti ent's symptoms.	v after the surger vities. Surgical	ry and after 1yr, her symptoms have resolved release of the MKH obtained long-term
Discussions	Intersection syndi intersection syndi if conservative m	rome at the rome is bas leasures fail	MKH is often overlooked due ed on history and examination a l and in our patient, we have sho	to the rarity of the swell as imaging own successful s	he condition or misdiagnosis. Diagnosis of ng studies. Open debridement is recommended surgical outcomes for intersection syndrome.
Format	Case Study				
Case Rpt Followup	12				
Student Club					
Classification	Soft Tissue/Tumo	or			
Level of Evidence	Level IV				
Authors/Financial D	visclosures				
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):
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Submission ID	05-00989				Ref ID CS-989
Title	Early Out Compress	tcomes of l sion Tibiot	Hindfoot Charcot Reco alocalcaneal Nail	onstruction	With The Use of A Constant
Submit Date	10/15/2024				
Correspondent	Last Name:	Patel			
	Full Name:	Kayna, Patel	, DPM, AACFAS	Email:	kaynapatel1994@gmail.com
	Practice/Com	pany/Residenc	y Program:	Michigan Ad Fellowship P	vanced Foot and Ankle Reconstructive Surgery rogram
Authors	Author 1:	Karl, Dunn,	DPM, FACFAS	Author 2:	Kayna, Patel, DPM, AACFAS
	Author 3:			Author 4:	
	Author 5:			Author 6:	
	Author 7:			Author 8:	
Purpose	The aim of the tibiotalocalcar	is retrospective neal nail for tre	e case series is to review the surg eatment of hindfoot charcot defo	gical outcomes ormities.	following application of a constant compression
Methodology					
rrocedures	further compl multiplanar fc greater than 1 8mm of bone joints. To our hindfoot chard complications	ications. Utiliz orces across the mm of bone re resorption. Us knowledge thi cot. We retrosp a sprimary ou	in its to attain a static planting a ing an intramedullary tibiotaloc: e joints in comparison to other ir sorption. The TTC nail used in , e of this device allows for consts is its de first report evaluating ou bectively reviewed five cases eva- tcomes.	alcaneal (TTC) aternal fixation our study main ant postoperati ttcomes of a co iluating time tc	real provides superior resistance against options. Most static nails lose compression with tains compression across the joints with up to we non-weight bearing compression across the nstant compression TTC nail in the setting of weight bearing, fusion rate and any
Results	Our results de weeks. All pa Secondary pro Extraction of	monstrated 80 tients were am ocedures were the IM nail wa	% of patients with complete fus bulating in custom diabetic shoe performed for prominent hardw s performed in one patient secon	ion. Average ti s, one patient r are in one case adary to infecti	ne to weightbearing in surgical boot was 7.3 equiring a double upright ankle foot orthoses. and one underwent a nonunion repair. on from a puncture wound.
Discussions	The present ca limb loss for l	ase series asses	sses the utility of a constant com ot.	pressive IM na	il allowing for decrease reulceration rate and
Format	Case Study				
Case Rpt Followup	12				
Student Club					
Classification	Rearfoot and	Ankle Reconst	ruction		
Level of Evidence	Level IV				
Authors/Financial Di	isclosures				
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):
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Kayna, Patel, DPM, AACFAS	kaynapatel1994	@gmail.com	I/We have nothing to disclose		

Submission ID	05-00990					Ref ID CS-990
Title	Revision of contralate	of a discon cral-mirro	tinued total ankle repla red talus and stemmed	acement w tibial com	ith a custom ponent	3D-printed
Submit Date	10/15/2024					
Correspondent	Last Name:	Patel				
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	Practice/Com	pany/Residenc	y Program:	Michigan Ad Fellowship F	lvanced Foot and Program	Ankle Reconstructive Surgery
Authors	Author 1:	Karl Dunn, I	OPM, FACFAS	Author 2:	Kayna Patel, I	DPM, AACFAS
	Author 3:			Author 4:		
	Author 5:			Author 6:		
	Author 7:			Author 8:		
Purpose	Very few case (TAR). When maintain a fun second genera component.	s have been re manufacturer actioning limb tion total ankl	ported with successful conversion parts are no longer available, a s if revision is required. Our aim i e replacement with a custom 3D-	ons from pre-ex urgeon can be s to present sh -printed contra	xisting or retired faced with a very ort-term outcome lateral-mirrored	total ankle replacements y challenging scenario to es following revision of a talus and stemmed tibial
Methodology						
Procedures	A 65-year-old evaluation du replacement p options remai contralateral t performed.	male patient w e to lack of and arts could be u ned for a succe alus was used	vith a history of a semi-constrain cle motion, chronic pain, and sub tilized, and almost complete sub sssful revision. The authors perfe to replicate the appropriate size of	ted TAR from osidence of the osidence and b ormed a proceed of previous and	greater than 20 ye tibial componen one loss in the tal dure which utilize atomy before the	ears prior presented for t of the implant. Given no us was appreciated, very few d a 3D-printed mirrored initial ankle replacement was
Results	Following the by full weight gait and funct	patient's revis bearing in reg ion without an	ion, the patient was able to begin ular shoes at 12 weeks. The pati- abulatory assistive devices with 1	n weight beari ent was able to 13- month foll	ng in a CAM wal o regain mobility ow-up.	king boot at 6 weeks, followed with minimal to no pain, and
Discussions	The present ca contralateral-	ase assesses the nirrored talus :	e successful revision of a failed t and stemmed tibial component.	otal ankle arth	roplasty with util	ity of a custom 3D-printed
Format	Case Study					
Case Rpt Followup	13					
Student Club						
Classification	Rearfoot and	Ankle Reconst	ruction			
Level of Evidence	Level IV					
Authors/Financial Di	sclosures					
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Submission ID	05-00992				Ref ID CS-992			
Title	Accessory	Soleus M	luscle: Unusual Caus	e of Calf Pai	n in a Young Athlete			
Submit Date	10/13/2024							
Correspondent	Last Name: Full Name: Practice/Comp	Bernard Neil L Bern pany/Resideno	ard, DPM cy Program:	Email: Mercy Healt	neilbernard26@gmail.com h Regional Medical Center			
Authors	Author 1: Author 3: Author 5: Author 7:	Neil Bernar Jordan Gros	d, DPM ssman, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Ann M Profeta, DPM			
Purpose	To identify sig muscle.	gns, symptom	s, and treatment options (con-	servative and surg	ical) for symptomatic unilateral accessory soleus			
Methodology								
Procedures	19-year-old male patient who presented complaining of bilateral ankle pain for 2 years. Side-lined from collegiate track for 8 weeks. Pain during running and improved with rest. Notes numbness and feeling of a loss of circulation to right foot with aerobic exercise. Initial conservative modalities (i.e. Mobic/steroid s, CFO's, Stretching) provided moderate relief. There was hypertrophy of posterior ankle. Rheumatology was negative for polyarthralgia. MRI showed severe tenosynovitis of FHL tendon, but after MSK radiology read, accessory soleus muscle appreciated.							
Results	Patient underwent excision of accessory soleus muscle with uneventful post-op course. At 6 months, the patient has returned to collegiate track without pain/complaints.							
Discussions	Accessory sol Although pres pain until ado They relate th present as a so ganglion, hae exploration to excisional bio	Accessory soleus is a rare congenital anatomic variant with an incidence is 0.7% to 5.5% seen in cadaveric studies [2,5]. Although present at birth, symptoms may never appear and when they do, almost all individuals do not experience their pain until adolescence due to hypertrophy of the muscle, ischemia, or compressive neuropathy involving the tibial nerve. They relate their pain and symptoms during physical activity, particularly young athletes [5]. The accessory soleus may present as a soft tissue mass in the posterior medial aspect of the ankle, with a differential diagnosis including lipoma, ganglion, haemangioma, synovioma, and sarcoma [4,5]. Multiple authors advocate for incision biopsy or surgical exploration to confirm diagnosis and rule out malignant mass. In the symptomatic patient, a fasciotomy, debulking, or medicine theme the synthese theorem is the synthese theorem in the synthese terms of the synthese terior.						
Format	Case Study							
Case Rpt Followup	12							
Student Club								
Classification	Biomechanics	and Anatomy	/					
Level of Evidence	Level V							
Authors/Financial D	isclosures							
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):			
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Jordan Grossman, DPM, FACFAS	j.grossman@ma	ic.com	I/We have nothing to discle	ose				

Submission ID	05-00993				Ref ID CS-993
Title	Novel apj absence o	plication of til of the talus an	bial distraction osteo d calcaneus	genesis fo	r rearfoot reconstruction in the
Submit Date	10/15/2024				
Correspondent	Last Name:	Rutkowski			
	Full Name:	Michael T. Rutk	owski, DPM	Email:	michael.rutkowski@mountsinai.org
	Practice/Con	npany/Residency Pr	rogram:	Mount Sinai Sinai	Beth Israel / Icahn School of Medicine at Mount
Authors	Author 1:	Michael T. Rutk	owski, DPM	Author 2:	David Gitlin, DPM
	Author 3:			Author 4:	
	Author 5:			Author 6:	
	Author 7:			Author 8:	
Purpose	Distraction o brachymetata missing bone patient who o	steogenesis is a we arsia. What is less s es. In this case study due to unique circui	Il studied and widely used pr tudied, is using this techniqu y, we explore the use of distr mstances underwent both a c	rocedure for co e in reconstru- action osteoge omplete calcar	prrection of limb length discrepancies and ctive surgery to restore function of a limb with nesis of distal tibia to restore limb function in a nectomy and talectomy.
Methodology					
Procedures	In our study, talectomy, pe resolved with spreading inf avoid a BKA to grow the t	a 45 year old male erformed by other s antibiotic therapy fection to adjacent b , the surgical team ibia into the positio	with history of untreated clu urgeons. He then proceeded or surgical debridement. Wit pones, it was decided to perfo attempted a novel technique ms of the talus and calcaneus	bfoot underwe to develop cal- th the calcaneu orm a complet of tibial distra , restoring rea	ent adult clubfoot correction surgery with caneal osteomyelitis that was unable to be is completely infected and posing the risk of e calcanectomy. With the patient wishing to ction osteogenesis with use of external fixation rfoot structure.
Results	Fourteen more without the n preserve his of the second sec	nths after external f aeed any assistive d entire foot instead of	fixator removal, the patient is evices or braces. Patient repo of undergoing a BKA.	able to ambu orts no compla	late completely weightbearing in sneakers ints and is extremely satisfied he was able to
Discussions	The outcome viable last re	of this study displa sort limb salvage te	ays that tibial distraction oste echnique in lieu of a BKA.	ogenesis for r	eplacement of calcaneal and talar bone is a
Format	Case Study				
Case Rpt Followup	14				
Student Club					
Classification	Rearfoot and	Ankle Reconstruct	tion		
Level of Evidence	Level IV				
Authors/Financial D	visclosures				
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):
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David Gitlin, DPM	david.gitlin@mo	ountsinai.org	I/We have nothing to discl	ose	

Submission ID	05-00994					Ref ID CS-994			
Title	Synovial C Interphala	Synovial Chondromatosis: A Rare Case Report of Dorsal Dislocation of Hallux Interphalangeal Joint							
Submit Date	10/13/2024								
Correspondent	Last Name: Full Name: Practice/Comp	Silman Andrew any/Residenc	y Program:	Email: Advocate Chri	andrew.silmar ist Medical Cen	n@aah.org ter			
Authors	Author 1: Author 3: Author 5: Author 7:	Andrew Siln Eyad Xoubi,	nan, DPM DPM	Author 2: Author 4: Author 6: Author 8:	Kelly Fahey, I Darshan Nage	DPM ssh DPM, MS			
Purpose	This case repo findings, treatr interphalangea locations.	rts a patient w nent, and outc Il joint (IPJ) u	ith Synovial Chondromatosis and comes of initial surgical intervent inderscores the importance of con	d spontaneous h ion with a 12-n sidering it in pa	allux dislocation anth follow-up atients with more	n. It highlights clinical . The rarity of SC in the noarticular synovitis in atypical			
Methodology									
Procedures	We report a case involving a 57-year-old female with a 7-month history of a painful mass to the medial hallux, impacting her ability to ambulate. Radiographs revealed an irregular mass within the soft tissue, while MRI indicated a lobulated mass with T1 hypointensity/T2 hyperintensity encircling the IPJ. Our literature review identified 13 cases of SC in the forefoot, with only 2 affecting the IPJ. Recurrence rate ranges from 3 to 23% due to incomplete synovectomy.								
Results	The patient un exploration rev Pathology con	The patient underwent surgical excision of the mass, biopsy, and IPJ arthroplasty with synovectomy. Intraoperative exploration revealed multiple rubbery lobulated masses within the joint capsule and erosions of the proximal phalanx head. Pathology confirmed diagnosis of SC. The patient is now pain-free with no recurrence to date.							
Discussions	This case high and collateral l its treatments p success of surg	lights the rare ligaments as v poses challeng gical excision	occurrence of SC resulting in do vell as damage of the plantar plat ges in formulating recommendati as a viable option to reduce pain,	orsal dislocation e. The scarcity ons for follow-u , reduce risk of	of a pedal joint of SC in the for up and managen arthritis, and im	t, due to attrition of IP-capsular efoot and limited literature on nent. This case highlights the prove mobility.			
Format	Case Study								
Case Rpt Followup	12								
Student Club									
Classification	Soft Tissue/Tu	mor							
Level of Evidence	Level IV								
Authors/Financial Di	sclosures								
Full Name:	Email:		Disclosure(s) selected:		. D.C.	Disclosed Organisation(s):			
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Eyad Xoubi, DPM	eyad.xoubi@aah	ı.org	I/We have nothing to disclose						
Darshan Nagesh DPM, MS	darshan.nagesh@	@aah.org	I/We have nothing to disclose						

Submission ID	05-00998		Ref ID CS-998						
Title	Evolution	Evolution of Diabetic Wound from Benign to Malignant							
Submit Date	10/13/2024	10/13/2024							
Correspondent	Last Name: Full Name: Practice/Com	Parkman Liliya pany/Residenc	y Program:	Email: MedStar	liliya.parkman@medstar.net				
Authors	Author 1: Author 3: Author 5: Author 7:	Liliya Parkm Tiffany K. H	nan, DPM Joh, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Haoning Hu, DPM David Z. Martin, MD				
Purpose	While diabetic wounds are typically considered benign, they may undergo malignant transformation if not monitored closely. This case highlights the progression of a chronic diabetic wound to malignancy, emphasizing the need for regular surveillance and timely biopsy.								
Methodology									
Procedures	A 61-year-old male with type II diabetes, a history of smoking, and bilateral hand osteomyelitis initially presented with a necrotic right heel wound. Despite treatment for calcaneal osteomyelitis with IV antibiotics, wound care, and debridement over a 15-month period, the wound developed an abnormal appearance. A biopsy revealed plantar vertucous carcinoma (epithelioma cuniculatum). He was referred for further evaluation by plastic surgery and oncology.Surgical interventions included a partial calcanectomy, multiple debridements, wound excision, skin grafting, and revascularization. Conservative management consisted of IV antibiotics, Aquacel silver dressings, and negative pressure wound therapy.								
Results	The patient's wound, initially believed to be non-threatening, evolved into a malignant lesion, reinforcing the need for close monitoring of chronic wounds, even when they show signs of improvement. At 12 months follow up after excision and grafting the wound has remain closed and the patient successfully returned to normal activities.								
Discussions	Chronic inflammation, oxidative stress, and persistent tissue damage contribute to the development of malignancy in diabetic wounds. This case highlights the importance of early detection and the role of biopsy in identifying pre-malignant changes. Ongoing vigilance in the management of chronic wounds is essential to prevent malignancy, and further research is necessary to understand the underlying mechanisms.								
Format	Case Study								
Case Rpt Followup	12								
Student Club									
Classification	Wound Care/Infectious Diseases								
Level of Evidence	Level IV	Level IV							
Authors/Financial D	isclosures								
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-01006				Ref ID Sci-1006				
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Title	Demograj Level One	Demographics and Seasonal Influence on Gunshot Wounds to Lower Extremity at a Level One Trauma Center							
Submit Date	10/13/2024								
Correspondent	Last Name: Full Name: Practice/Comj	Gillenwater Kristine, D, pany/Residenc	Gillenwater DPM y Program:	Email: UF College of	gillenh20k@gmail.com `Health Jacksonville				
Authors	Author 1: Author 3: Author 5: Author 7:	Kristine D G Thomas S Re	illenwater, DPM oukis, PhD, FACFAS	Author 2: Author 4: Author 6: Author 8:	Jason A Piraino,FACFAS Divya Paramasivam, DPM				
Purpose	Gun violence been found be look at demog	and firearm re tween the time raphics of gun	lated injuries have been increasin e of year and type of injury, speci ashot wounds in the lower extrem	g in concern in fically in the fo ity and identify	the recent media. No recent correlation has tot and ankle. The purpose of this study was to seasonal trends in a major southern urban city.				
Methodology	We queried ou with diagnosis September 20	r patient datab s codes of fore 24 who sustair	base with CPT code 20103 wound ign body and/or gunshot wound. hed a GSW specially in the foot a	l exploration, a We identified a nd ankle and co	nd/or 28192 removal of foreign body. Along total of 27 patients from January 2018 to ompared race, gender, age, and date of injury.				
Procedures									
Results	Results includ American, 119 the winter, and	ed 26 males ar % Hispanic, 7% d 15% in the fa	nd 1 female. Age range 14-72, av % Caucasian, 4% Asian. Seasona all. 74% were intentional violence	erage of 32.3 y lly, 41% occurr e while 26% w	ears old. Race included 78% African ed in the summer, 22% in the spring, 22 % in ere accidental/self-inflicted.				
Discussions	Gunshot wour may be of inte	nds and their tr erest to local la	eatments are a common injury tro w enforcement as well as the UF	eated by podiat emergency cer	ry at this Level 1 Trauma center. These trends tter.				
Format	Scientific								
Case Rpt Followup									
Student Club									
Classification	Epidemiology	/Population St	udy						
Level of Evidence	Level V								
Authors/Financial Di	sclosures								
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-01013				Ref ID Sci-1013
Title	The Influe Treatment	nce of San on Osteob	dblasted, Large gri last and Macropha	it, Acid-etche ige Response	ed (SLA) Titanium Surface es In Vitro
Submit Date	10/13/2024				
Correspondent	Last Name:	Sanchez			
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	Practice/Compa	any/Residency	Program:	University of Medicine	of Texas Rio Grande Valley School of Podiatric
Authors	Author 1:	Peter Elvin		Author 2:	Deborah Rocha Seixas, DDS
	Author 3:	Krishna Rajes	h Prajapati, MS	Author 4:	Danieli C Rodrigues, MS, PhD
	Author 5:	Claudia Bigue	tti, DDS, MSc, PhD	Author 6:	
	Author 7:			Author 8:	
Purpose	Charcot foot re- implant surface of titanium (Ti) potentially imp	construction in treatments mi through SLA roving outcom	diabetic patients exhibit s tigating these failures have (sandblasted, large grit, an- es in these reconstructive b	ignificant failure n been done. We h d acid-etched) trea based surgeries.	rates. Despite this, minimal investigation into ypothesize that enhancing the microtopography atment may enhance cellular responses,
Methodology	Polished (contr cultured either beta-actin FITC nuclear transloo measured at 49 at 0.05%.	ol) and SLA-tr on standard pla C fluorophore a cation, and DC 0 nm and data	eated Ti discs were used. N tte dishes (negative control nd DAPI staining for nucl -STAMP. Cell viability wa were analyzed using One-V	MC3T3 pre-osteol (s) or on Ti discs. ei. Macrophages v s determined via Way ANOVA follo	blasts and RAW 264.7 macrophages were Morphological analysis was conducted using were evaluated by staining for RANK, NFATc2 tetrazolium compound assay with absorbance owed by Tukey's test, with a significance level set
Procedures					
Results	MC3T3 cells ct 104.85% (p<0.0 was observed o predominantly M2 polarization	ultured on cont 05). On contro on SLA discs. A resided in the on and regenerat	rol-Ti showed reduced via 1 Ti, both cells displayed a 11 conditions revealed inte cytoplasm of controls but t ive conditions.	bility at 77.50%, fibroblastic orien nse RANK and D ranslocated to the	while those on SLA-treated discs reached tation, whereas a more widespread morphology IC-STAMP expression in macrophages. NFATc2 nucleus on SLA discs, suggesting signaling of
Discussions	These results hi immunomodula clinical settings	ighlight the ber atory pathways s.	neficial effects of SLA trea . Further studies are necess	ted surfaces in prosent the sary to explore the	omoting cell proliferation and activating e long-term impacts of these surface treatments in
Format	Scientific				
Case Rpt Followup					
Student Club					
Classification	Rearfoot and A	nkle Reconstru	action		
Level of Evidence	Level II				
Authors/Financial D	isclosures				
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Submission ID	05-01022				Ref ID Sci-1022				
Title	Social me	Social media and product marketing influencing the field of podiatry							
Submit Date	10/14/2024								
Correspondent	Last Name: Full Name: Practice/Comp	Hwang Si yeon Hwa pany/Residency	nng, DPM y Program:	Email: Bryn Mawr H	shwang@mlhs.org ospital				
Authors	Author 1: Author 3: Author 5: Author 7:	Si yeon Hwa Justin Garvir	nng, DPM n, DPM	Author 2: Author 4: Author 6: Author 8:	Celine Guerrero, DOM David Bernstein, DPM, FACFAS				
Purpose	In recent years academic rese influencers no marketing has	s, social media arch highlights tably shape pa on podiatric p	influencers have increasingly be s their effectiveness as a marketir tient behavior This research air rractices.	en employed a ng tool. This tre ns to evaluate t	s product endorsers, and an expanding body of nd is evident in the field of podiatry, where he extent of the impact that social media				
Methodology	This research anonymous. T	This research is a survey-based study that included a total of 15 participants. All respondents and their answers remained anonymous. The survey consisted of five questions in total.							
Procedures									
Results	A total of 86.7 brands of orth 26.7% of resp patient's speci and the interne	% of participa otics, over-the- ondents indica fic request. The et (28.6%).	nts reported that they have encou- counter antifungal nail polish, at ted that they have felt obligated on the majority of their patients were	intered patients ad even specific or pressured to obtaining infor	seeking specific products, including particular types of surgical procedures. Additionally, provide a product or procedure based on a mation from social media platforms (42.9%)				
Discussions	The majority of surgical proce approximately months. As tee advantage. Ne care.	of respondents dures. This tree v 4.55 billion p chnology advan vertheless, it re	in this study reported encounteri nd is not surprising, considering ecople worldwide now use social nces, it is essential for providers emains our responsibility to educ	ng patients who the continued r media, with 40 to leverage soc ate patients and	o sought specific products or particular types of ise in global social media usage; 0 million new users joining within the past 12 ial media and marketing strategies to our d ensure they receive the most appropriate				
Format	Scientific								
Case Rpt Followup	0								
Student Club									
Classification	Biomechanics	and Anatomy							
Level of Evidence	Level V								
Authors/Financial Di	sclosures								
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):				
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Celine Guerrero, DOM	GuerreroC@mlł	is.org	I/We have nothing to disclose						
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David Bernstein, DPM, FACFAS	BernsteinDav@	mlhs.org	I/We have nothing to disclose						

Submission ID	05-01029				Ref ID Sci-1029
Title	Can Pre-Bo Osteomyeli	one Biopsy tis?	Criteria be Numerica	ally Optimi	ized to Predict Calcaneal
Submit Date	10/15/2024				
Correspondent	Last Name:	Krause			
	Full Name: Practice/Compa	Mattie, M. Krau ny/Residency P	use; B.S. Program:	Email: Midwestern U	mattie.krause@midwestern.edu Iniversity
Authors	Author 1: Author 3: Author 5: Author 7:	Mattie M. Krau John Sessions; I	se; B.S. D.P.M., PhD	Author 2: Author 4: Author 6: Author 8:	Zachary Goguen; M.S., B.S.
Purpose	Screening meth help expedite cl osteomyelitis pr methods are not criteria to detern characterization	ods for characte inical managem resence which th consistent in pr mine if certain c of calcaneal O	rizing osteomyelitis (OM) in nent. Traditional methods hav nen directs potential surgical i redicting osteomyelitis presen rriteria should require heavier M.	the lower extre e been used in c ntervention (pe ace. This study levels of consid	mity have been tested extensively in effort to concert to build a clinical picture of r IWGDF/IDSA guidelines). However, these uses numerical optimization of these pre-biopsy deration in terms of the ultimate
Methodology	48 hospitalized combination of for both patholo to further exam- consistently pre	patients with su blood lab testir ogy and microbi ine if there is a dict the presence	spected calcaneal osteomyeli ng, imaging, and clinical exan ology analysis. The data set w method for giving greater con e of calcaneal osteomyelitis p	tis had pre-bond nination. All pa vas then numeri sideration/weig per path and mice	e biopsy testing conducted, which included a tients then underwent bone biopsy, being sent cally optimized using a weighted-sum method ht to specific pre-biopsy variables to rro results.
Procedures					
Results	Numerical optir for calcaneal os	nization failed t teomyelitis.	to produce a set of pre-biopsy	variable weigh	ts that consistently predict bone biopsy results
Discussions	IWGDF/IDSA g concern. This st can be consister	guidelines recor udy directly cha ntly applied to p	nmend using the combination allenges that recommendation re-biopsy clinical data to tran	of a series of p by showing the slate into a prec	re-biopsy testings to elevate the level of OM at no special combination of weighted variables lictable diagnosis of osteomyelitis.
Format	Scientific				
Case Rpt Followup	12				
Student Club					
Classification	Diabetic Foot				
Level of Evidence	Level III				
Authors/Financial D	isclosures				
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):
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Submission ID	05-01037				Ref ID Sci-1037
Title	Evaluatin Diabetes i	g HMGB1 in a Mexica	as a Biomarker for Me n American Cohort	etabolic Dy	ysregulation and Progression of
Submit Date	10/13/2024				
Correspondent	Last Name: Full Name: Practice/Com	Elvin Peter, T, Elvin pany/Residency	n / Program:	Email: UTRGV-SOI	peter.elvin01@utrgv.edu PM
Authors	Author 1: Author 3: Author 5: Author 7:	Peter T Elvin Claudia C. Bi Craig L. Hani	guetti DDS, PhD is	Author 2: Author 4: Author 6: Author 8:	Garrett Edwards Walid D. Fakhouri
Purpose	This study for Mexican Ame	cuses on HMGE erican cohort of	B1 to evaluate its association wit non-diabetic (ND), pre-diabetic	th the develops (Pre-D), and o	ment and progression of diabetes within a diabetic (D) individuals.
Methodology	Data from a cohort of 40 individuals, standardized by age (61.76±11.77), BMI (32.52±7.02), and sex (58% male, 42% female) was analyzed. We assessed several immunological markers utilizing ELISA assays from buffy coats. After excluding out of range samples, the remaining 20 individuals displayed statistical significance in HMGB1. Pearson's correlation coefficient examined the relationship between HMGB1 levels and glycemic changes (HOMA-IR, HOMA-B, HOMA-IS2, and HbA1c). Statistical significance was evaluated with a significance level set at p<0.05.				
Procedures					
Results	A negative corre positive corre (R) of 0.453 (positive corre significance v	rrelation trend b lation between p=0.030). A neg lation between vith p=0.067 an	etween HMGB1 and HbA1c w HMGB1 levels and insulin resis gative correlation between HMC HMGB1 levels and beta cell fur d p=0.071, respectively.	as shown, alth tance (HOMA GB1 levels and action (HOMA	ough not statistically significant (p=0.86). A -IR) was noted, with a correlation coefficient insulin sensitivity (HOMA-IS), as well as a -B) was seen, having both values approaching
Discussions	Recent findin maintaining c Our findings therapeutic st	gs suggest an el hronic inflamm support the pote rategies aimed a	evation in HMGB1 levels amor ation within adipose tissue, whi ntial of HMGB1 as a biomarker at mitigating diabetes-related co	ng obese indivi ch is closely as r for metabolic mplications, su	duals, highlighting its potential role in ssociated with obesity and insulin resistance1. disturbances in hopes to guide future uch as diabetic foot ulcers.
Format	Scientific				
Case Rpt Followup					
Student Club					
Classification	Epidemiology	//Population Stu	ıdy		
Level of Evidence	Level III				
Authors/Financial Di	isclosures				
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Submission ID	05-01038				Ref ID Sci-1038				
Title	A Compa Foot and	A Comparative Analysis of Agreement Between ChatGPT and Expert Panelists on Foot and Ankle Surgery Clinical Consensus Statements							
Submit Date	10/13/2024								
Correspondent	Last Name:	Casciato							
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	Practice/Com	pany/Residency P	rogram:	Orlando VA I	Medical Center				
Authors	Author 1:	Joshua Calhoun	DPM	Author 2:	Nigel Morris DPM				
	Author 3:	Dominick J Cas	ciato DPM	Author 4:					
	Author 5:			Author 6:					
	Author 7:			Author 8:					
Purpose	As artificial in rapidly—fron making remai foot and ankle	ntelligence (AI) be n aiding clinical do ins uncertain. This e surgery.	ecomes increasingly integrate ocumentation to providing pa study evaluates an AI langua	ed into medicin atient informati age model's ali	e and surgery, its applications are expanding on. However, its role in medical decision- gnment with clinical consensus statements in				
Methodology	Clinical Cons rated using a statement was scores were c	Clinical Consensus statements from the American College of Foot and Ankle Surgeons (2015-2022) were collected and rated using a Likert scale: inappropriate (1-3), neither appropriate nor inappropriate (4-6), and appropriate (7-9). Each statement was then entered into ChatGPT-40, which was prompted to assign a similar Likert rating. The AI-generated scores were compared to the expert panel's ratings, and inter-rater analysis was performed.							
Procedures									
Results	Among 129 c between the r and lowest ag pathology (23 statement.	linical consensus s aters. Cohen's Kap reements between 5%). All consensus	statements, the analysis revea opa was computed at 0.23, su the consensus panel and Chi a statements were within one	aled an agreem aggesting a low atGPT were an rating of each	ent of 63.57%, indicating moderate agreement level of agreement. The topics with the highest kle arthritis (100%) and Achilles Tendon other except for one hallux valgus surgery				
Discussions	This study de surgery, with work provide	monstrates modera variability across t s a valuable first a	ate agreement between Chato topics. Future studies should ssessment of its potential and	GPT and clinic: explore the lin l limitations in	al consensus statements in foot and ankle nitations of AI in more complex cases, but this medical decision-making.				
Format	Scientific								
Case Rpt Followup									
Student Club									
Classification	Epidemiology	/Population Study	7						
Level of Evidence	Level IV								
Authors/Financial D	isclosures								
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-01042				Ref ID Sci-1042
Title	Diagnosing Utility of M	AITFL I RI and F	njuries in Patients with Physical Exam	ı Lateral A	nkle Ligament Injuries: The
Submit Date	10/14/2024				
Correspondent	Last Name: C Full Name: M	Chang Michael T.	v Drogram.	Email: Montefiore M	micchang@montefiore.org
Authors	Author 1: 1 Author 3: J Author 5: 2 Author 7:	Nicket Dedhi Jun Jeon, DP Yi Guo, MD	ia, MD M	Author 2: Author 4: Author 6: Author 8:	Michael T. Chang, DPM Jonathan Shalot, DPM Chaiyaporn Kulsakdinun, MD
Purpose	Diagnosing synd which can result interpretations by	lesmotic inju in long-tern y radiologist	rries alongside lateral ankle ligar n issues like posttraumatic ankle is and orthopedic surgeons, along	nent injuries is arthritis. This s g with physical	challenging and often leads to missed injuries, study aimed to determine whether MRI exams, could predict AITFL injuries.
Methodology	This study includ 2.5mm or 3.0mm ligament. The Al while radiologist indicator of injur	ded patients n probe durii ITFL was rej ts reported th ry.	with preoperative MRIs and sub ng arthroscopy assessed AITFL i paired if the probe test was posit heir own impressions of AITFL i	sequent isolated ntegrity, with i ive. MRI image njuries. The sq	d lateral ankle ligament reconstruction. A njuries noted if the probe passed through the es were evaluated by an orthopedic surgeon, ueeze test was also conducted as a potential
Procedures					
Results	48 patients with reconstruction at were diagnosed suspected 39 pat AITFL tears, 27 squeeze test posi	chronic later nd arthroscop with an AITI tients (81%) (87%) had p itivity of 749	ral ankle pain underwent preoper py. The median time from injury FL tear. MRI reports indicated A had injuries. The squeeze test wa oositive MRI reads by orthopedic %.	ative MRI and to surgery was ITFL injuries in as positive in 8. surgeons com	subsequently had lateral ankle ligament 238 days. During arthroscopy, 31 patients 1 13 patients (27%), while orthopedic surgeons 3% of patients. Among the 31 diagnosed with pared to 11 (35%) from radiologists, with a
Discussions	In this study, the interpretation wa those with recale	correlation as high comp citrant pain a	between positive arthroscopic ev pared to radiologist report. This h fter suspected lateral ankle ligan	idence of AITI ighlights the n nent sprain to a	⁷ L tear and orthopedic surgeon MRI eed for independent image interpretation in void a missed AITFL injury.
Format	Scientific				
Case Rpt Followup	34				
Student Club					
Classification	Arthroscopy				
Level of Evidence	Level III				
Authors/Financial D	isclosures				
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):
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Submission ID	05-01043					Ref ID Sci-1043				
Title	Mini-Arth Autogenov Lesions of	Mini-Arthrotomy with Combined Particulated Juvenile Allograft Cartilage and Autogenous Calcaneus Bone Graft Implantation for The Treatment of Osteochondral Lesions of the Talus: A Case Series and Technique Guide								
Submit Date	10/13/2024									
Correspondent	Last Name:	Brown								
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	Practice/Comp	oany/Residenc	y Program:	Washington C	Orthopaedic Cen	er				
Authors	Author 1:	Joseph, R, B	rown, DPM	Author 2:	John, J, Kim,	DPM, AACFAS				
	Author 3:	Michael, D,	Dujela, DPM, FACFAS	Author 4:						
	Author 5:			Author 6:						
	Author 7:			Author 8:						
Purpose	This study eva talus. This cas lesions.	luates the outo e series and te	comes of a mini-arthrotomy app chnique guide aim to describe t	roach for the tre he efficacy of th	eatment of osteod	chondral lesions (OCLs) of the tients with challenging talar				
Methodology	A retrospectiv identified, wit and radiologic technique guid	e review of pa h five meeting al evaluations le, including ii	tients who underwent this treath the inclusion criteria. Charts w were performed, with postoper ntraoperative images, is provide	nent at a single ere reviewed to ative VAS score d.	institution was c gather demograj s recorded at fin	onducted. Eight cases were phic and surgical data. Clinical al follow-up. A detailed				
Procedures										
Results	Five patients, (range: 0-5). A grafts with no included an av	with an averag average time to evidence of co verage BMI of	e follow-up of 20.2 months, we o weightbearing was 9.9 weeks ollapse. No complications or rev 32.2, one current tobacco user,	re included. The (range: 7.7-14.1) visions were not and three occase	e average postop weeks). Final ra ed. Comorbiditie ional alcohol use	erative VAS score was 1.4 diographs indicated stable es varied and demographics rs.				
Discussions	The mini-arth in low morbid cancer and fib	rotomy approa ity, minimal pa romyalgia. Th	ch, with combined particulated ain, and no complications. The e results suggest this is a viable	juvenile allogra highest VAS sco treatment optio	ft cartilage and a ore was reported n for patients wi	utogenous bone graft, resulted in a patient diagnosed with th OCLs of the talus.				
Format	Scientific									
Case Rpt Followup	20.2									
Student Club										
Classification	Rearfoot and A	Ankle Reconst	ruction							
Level of Evidence	Level III									
Authors/Financial Dis	sclosures									
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):				
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			Consultant/Advisor/Speaker (List all affiliatio	ns)	SiNaptic, Treace Medical, Paragon 28				
Michael, D, Dujela, DPM, FACFAS	michaeldujela@	yahoo.com	Serve in an official capacity (other medical or podiatric org	elected or appoin anization(s)	nted) for any	ASC Comittee Chair ACFAS, ABFAS President-elect, AO North America Trauma Faculty				

Submission ID	05-01045					Ref ID Sci-1045			
Title	Radiograj Dorsal Ap	Radiographic Union Rates and Complications of Talonavicular Arthrodesis Utilizing a Dorsal Approach: A Retrospective Cohort Study							
Submit Date	10/14/2024								
Correspondent	Last Name: Full Name: Practice/Comj	Brown Joseph, R, D pany/Residenc	PM y Program:	Email: Washington O	jrbrowndpm@ hthopaedic Cent	gmail.com er			
Authors	Author 1: Author 3: Author 5: Author 7:	Joseph, R, B Michael, D,	rown, DPM Dujela, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	John, J, Kim, I	DPM, AACFAS			
Purpose	Talonavicular literature repo cadaveric rese radiographic u	Talonavicular (TN) joint arthrodesis is a well-established treatment for various hindfoot pathologies, though previous literature reports nonunion rates as high as 37%. Most studies have focused on different fixation techniques, but recent cadaveric research suggests that a dorsal approach provides improved joint exposure. This study aims to evaluate the radiographic union rates and clinical outcomes of TN joint arthrodesis using a dorsal approach.							
Methodology	A retrospectiv and February with a dorsal a confirmed by	A retrospective review was conducted of patients who underwent TN arthrodesis via a dorsal approach between April 2015 and February 2020. Patients were included if they were 18 years or older and underwent a primary TN joint arthrodesis with a dorsal approach. Patient charts were reviewed for demographic and operative data. Radiographic union was confirmed by two independent reviewers.							
Procedures									
Results	A total of 37 p weeks. Compl required a rev weeks.	atients met the ications were ision surgery f	e inclusion criteria. Radiographic minimal, with two nonunions, an or nonunion, which led to solid c	union was ach d two superfici onsolidation. T	ieved in 94.6% o al wound dehisc The average time	of cases at an average of 17 ence cases. One patient to weightbearing was 8.4			
Discussions	This study der The low nonu preparation an arthrodesis.	This study demonstrated that TN arthrodesis using a dorsal approach leads to high union rates with minimal complications. The low nonunion (5.4%) and revision rates (2.7%) suggest that the dorsal approach enhances joint exposure, joint preparation and the likelihood of successful fusion. The results support the dorsal approach as a viable option for TN arthrodesis.							
Format	Scientific								
Case Rpt Followup	32.8								
Student Club									
Classification	Rearfoot and	Ankle Reconst	ruction						
Level of Evidence	Level III								
Authors/Financial Dis	sclosures								
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):			
Joseph, R, Brown, DPM	jrbrowndpm@g	mail.com	I/We have nothing to disclose						
John, J, Kim, DPM, AACFAS	jkim5874@gma	il.com	I/We have nothing to disclose						
			Consultant/Advisor/Speaker (L	ist all affiliatio	ns)	SiNaptic, Treace Medical, Paragon 28			
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Submission ID	05-01063					Ref ID Sci-1063
Title	A Retrosp Joint Arth Lag Screv	ective Con prodesis: A Fixation	nparison of 2 Fixation 7 Dynamic Nitinol Staple	Fechniques e-Plate Cor	for First N Istruct vers	letatarsophalangeal sus Dorsal Plating and
Submit Date	10/15/2024					
Correspondent	Last Name: Full Name: Practice/Comj	Shinabarger Andrew B pany/Residenc	y Program:	Email: Legacy Health	ashinaba@lhs	.org
Authors	Author 1: Author 3: Author 5: Author 7:	Andrew B. S Emory Barne	ihinabarger DPM , MS, FACFAS es DPM	Author 2: Author 4: Author 6: Author 8:	Sammir M. Al	bueldoleh DPM
Purpose	The purpose of metatarsophal	of this study is angeal joint fu	to directly compare the outcomes sion: a dynamic nitinol staple pla	of two differer te construct ver	nt fixation const sus a lag screw	ructs for first with dorsal locking plate.
Methodology	A retrospectiv construct or do September of patients in the compared tour	e review invol orsal plate with 2023 with min dynamic stapl rniquet time, ti	ving patients who underwent firs 1 lag screw fixation at a single ins imum 1 year follow-up. There we e plate construct group and 21 pa me to union, and complications r	t MPJ arthrodes stitution by a sin ere a total of 55 stients in the domates.	is with either a ngle surgeon be patients (55 fe rsal plate with l	dynamic nitinol staple plate tween March of 2021 and et) in this study, with 34 ag screw fixation group. We
Procedures						
Results	The dynamic cohort. The av group were en	staple plate gro verage tourniqu countered con	bup had a union rate of 100% con net time for the dynamic staple pla apared to 2 in the dorsal plate lag	npared to a 91% ate group was 8 screw group.	union rate for minutes less. N	the dorsal plate with lag screw No complications in the staple
Discussions	The results of dynamic stapl	this study sho e plate constru	w a favorable union rate, with dee ct compared to a dorsal plate with	creased operativ	ve time, and a lo struct.	ower complication rate of the
Format	Scientific					
Case Rpt Followup	12					
Student Club						
Classification	Forefoot Reco	onstruction				
Level of Evidence	Level III					
Authors/Financial Di	sclosures					
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):
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Submission ID	05-01067					Ref ID Sci-1067
Title	Complica Retrospec	tions Follo tive Comp	wing Hallux Amputatio parative Review	ons With ar	nd Without S	esamoid Excision: A
Submit Date	10/14/2024					
Correspondent	Last Name:	Badillo				
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	Practice/Comp	pany/Residenc	y Program:	UPMC Pittsbu	rgh	
Authors	Author 1:	Karissa, J, B	adillo DPM	Author 2:	Christine, Jones,	DPM
	Author 3:	Jeffrey, Man	way, DPM	Author 4:		
	Author 5:			Author 6:		
	Author 7:			Author 8:		
Purpose	The aim of ou both with and	r study is to co without sesam	ompare the complication rates ass noid excision.	ociated with ha	llux amputations j	performed at our institution,
Methodology	Patients were had a minimu follow-up, un Complications that resulted in groups were e	included if the m follow up of derwent multip s were defined n proximal amp valuated with	y were 18 years or older, underw I 1 month. Patients were excludee ole digital amputations, or if they as the need for return to the oper putation. Statistical analysis was a Fisher's exact test and a logistic	ent hallux ampu l if they did not obtained a hallu ating room and performed with c regression and	atation with or with meet the age or for a amputation as p post-operative inco Python. Complica lysis.	thout sesamoid excision, and ollow up criteria, were lost to part of a staged procedure. cisional dehiscence or wound ation rates between the two
Procedures						
Results	62 patients we significant hig = 0.044). Patie	ere included (S gher in the sesa ents with PAD	esamoid excision group = 27 W moid excision group (40.74%) co had a statistically significant inco	ithout sesamoid ompared to the reased risk of de	l excision = 35). C group without sess eveloping complic	Complication rate was amoid excision (17.14%) (p cations ($p = 0.007$).
Discussions	Our findings s the increased sesamoid exci valuable insig	suggest that the complications sion. This stud hts to the exist	e sesamoids and plantar plate do 1 in the sesamoid excision group a ly is the first to report hallux amp ing body of literature by addressi	not act as a nidu re due to the gra utations involv ng this unexplo	as for infection as eater soft tissue di ing sesamoid exci- red area.	we thought. We believe that ssection required for sion, and we believe it adds
Format	Scientific					
Case Rpt Followup						
Student Club						
Classification	Diabetic Foot					
Level of Evidence	Level III					
Authors/Financial Di	sclosures					
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Submission ID	05-01069				Ref ID Sci-1069				
Title	Surgical (Fusion	Surgical Options for Traumatic Lisfranc Fracture Dislocation: ORIF vs Primary Fusion							
Submit Date	10/14/2024								
Correspondent	Last Name:	Karmaker							
	Full Name:	Bianca Karn	naker, DPM	Email:	pateld77@rowan.edu				
	Practice/Com	pany/Residenc	y Program:	Podiatric Med Reconstructiv	licine and Surgery Residency with e Rearfoot/Ankle Surg				
Authors	Author 1:	Farheen Iqba	al, DPM	Author 2:	Dev Patel,BS				
	Author 3:	Apurva Puli	, BS	Author 4:	Krystal Hunter,PhD				
	Author 5:	Pietro Genti	le, BS	Author 6:	Stephen Gorda, DPM				
	Author 7:			Author 8:					
Purpose	Tarsometatars They are miso (ORIF) or prin common but o	al fracture disl liagnosed as hi mary arthrodes controversy rer	locations are traumatic disruption igh as 20% of the time, most com sis (PA), and require timely treatm nains regarding which method is	s of the Lisfran monly are treat nent to avoid lo best practice.	te complex and comprise 0.2% of all fractures. ted with open reduction internal fixation ng term sequelae. Both surgical approaches are				
Methodology	A retrospectiv from January excluded. A to Whitney U tes significance v	A retrospective chart review was conducted to identify patients who underwent ORIF or PA secondary to Lisfranc injuries from January 2016 to December 2023. Patients under the age of 18 years old, polytraumas, and nonsurgical patients were excluded. A total of 90 patients were identified and their injuries were classified with the Hardcastle classification. Mann Whitney U test, t-tests, and Pearson chi squared analyses were used to detect differences in outcomes. Statistical significance was set at $p < 0.05$.							
Procedures									
Results	Of the 90 pati significant dif complications hardware rem ORIF. These of	Of the 90 patients who met inclusion criteria, 69 underwent ORIF and 21 underwent PA. There was no statistically significant difference in age, demographics, BMI, Hardcastle classification type, return to full weight bearing, or complications including revision surgery or infection between the two groups. The ORIF group had 33.8% undergo hardware removal, while the PA group had 19.0%. The overall complication rate for PA was 35.0% compared to 17.6% for ORIF. These differences did not meet statistical significance.							
Discussions	There was no either treatme retrospective	statistically sig nt can provide nature of the st	gnificant difference in outcomes similar outcomes regardless of tl tudy.	between ORIF he injury classif	vs PA for Lisfranc injuries, indicating that fication. Limitations of the study include the				
Format	Scientific								
Case Rpt Followup									
Student Club									
Classification	Trauma								
Level of Evidence	Level III								
Authors/Financial Di	sclosures								
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-01078	Ref ID Sci-1078							
Title	Total Contact Casts and the Incidence of Venothromboembolisms: A Retrospective Chart Review								
Submit Date	10/14/2024								
Correspondent	Last Name: Full Name: Practice/Comj	Cheung Timothy P C pany/Residenc	'heung, DPM, PhD, CPT y Program:	Email: Yale New Hay	timothy.cheung@yale.edu ven Hospital				
Authors	Author 1: Author 3: Author 5: Author 7:	Timothy P C Garrett Rhot Michael I Ga	theung, DPM, PhD, CPT on, DPM azes, DPM, MPH, FACFAS	Author 2: Author 4: Author 6: Author 8:	William Stallings, DPM Steven D Vyce, DPM, FACFAS				
Purpose	The prevalence associated mo practitioners. of treatment. I venous throm for chronic no	The prevalence of diabetes in the United States is steadily increasing, leading to a rise in diabetic foot ulcers (DFU) and associated mortality rates. Treating chronic diabetic wounds presents a significant challenge for foot and ankle practitioners. Off-loading the wound is crucial in DFU management, with total contact casting (TCC) being a cornerstone of treatment. However, prolonged immobilization associated with TCC raises concerns about the risk of developing an venous thromboembolism (VTE). This study aimed to assess the risk of VTE development in patients treated with TCC for chronic non-healing foot ulcers.							
Methodology	We retrospect as TCC applic	We retrospectively analyzed 121 patients treated with TCC at a single hospital from 2018 to 2023, considering factors such as TCC applications, antiplatelet and anticoagulant usage, mobility, medical history, and predisposing factors for VTE.							
Procedures									
Results	There was a to	otal of 565 TC	C applications in 121 patients. 0	out of 121 patie	ents treated with a TCC developed a VTE.				
Discussions	This study examined the relationship between TCC and VTE in patients with diabetic foot ulcers. Despite the effectiveness of TCC in off-loading ulcers, the potential risk of VTE due to immobilization remains a concern. None of the 121 patients treated with TCC developed a VTE; however, further research is needed to fully assess the thrombotic risks associated with TCC. This study clarifies the risk, or lack thereof developing a VTE when formulating a treatment protocol utilizing TCC in patients with DEU.								
Format	Scientific								
Case Rpt Followup									
Student Club									
Classification	Diabetic Foot								
Level of Evidence	Level IV								
Authors/Financial Dis	sclosures								
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-01082					Ref ID Sci-1082			
Title	Comparis Intramed	Comparison of Dynamic Screw Placement versus Static Screw Placement in ntramedullary Nails in Patients with Tibiotalocalcaneal Fusion							
Submit Date	10/15/2024								
Correspondent	Last Name:	Tran							
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	Practice/Com	pany/Residency	y Program:	Centra	al Michigan Unive	rsity College of Medicine			
Authors	Author 1:	Mark Bulloc	k DPM FACFAS	Autho	or 2:				
	Author 3:			Autho	or 4:				
	Author 5:			Autho	or 6:				
	Author 7:			Autho	or 8:				
Purpose	Tibiotalocalca joints due to v neuromuscula union between group has bee hypothesized	neal (TTC) art arious processor r disorders, or n dynamic screen n shown to atta that static screen	hrodesis is a procedure es such as severe hindfû failed ankle replacemen w placement and static in a higher fusion rate w placement achieved h	that is often con- bot deformity, Ch at. The purpose of screw placement and at a faster tir igher fusion rate	sidered for end-sta harcot neuroarthrop of this study was to t in TTC nails. In t ne to healing than e and at a faster rate	ge arthritis in the ankle and subtalar pathy, talar osteonecrosis, compare fusion rates and time to he current literature, the dynamic the static group. We however e than dynamic screw placement.			
Methodology	All patients w screw placem present at our	All patients who underwent TTC arthrodesis with an intramedullary nail with either dynamic screw placement or static screw placement within the proximal nail who had at least 1 year follow-up. Patients were included from 8/1/2016 until present at our institution. The primary outcome was ankle joint union with secondary measure of mean time to fusion.							
Procedures									
Results	The dynamic Furthermore,	TTC group had there was a hig	l a higher non-union rat her incidence of hardw	e and slower tim are loosening sur	te to union compar rrounding the calca	ed to the static TCC group. aneus in the dynamic group.			
Discussions	In our study w faster consolie	hich had a hig lation.	h incidence of Charcot	neuroarthropathy	y, static screw plac	ement had a higher union rate and			
Format	Scientific								
Case Rpt Followup									
Student Club									
Classification	Rearfoot and	Ankle Reconstr	ruction						
Level of Evidence	Level III								
Authors/Financial Dis	sclosures								
Full Name:	Email:		Disclosure(s) selected	:		Disclosed Organisation(s):			
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Submission ID	05-01084			Ref ID Sci-1084				
Title	Intra-articular Calo only Fixation	Intra-articular Calcaneal Fractures Can Be Safely and Effectively Treated with Screw- only Fixation						
Submit Date	10/15/2024							
Correspondent	Last Name: Page							
-	Full Name: Trevor S. P Practice/Company/Residen	age, DPM cy Program:	Email: Virginia Masor	tspageaz@gmail.com n Franciscan Health PMSR/RRA				
Authors	Author 1:Trevor S. PAuthor 3:Todd M. ClAuthor 5:Author 7:	age, DPM nappell, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Oliver A. Knauer, DPM				
Purpose	Combinations of various in of intra-articular calcaneal outcomes of intra-articular percutaneous, and fixation primary fusion with screws	Combinations of various incisional approaches and fixation techniques have been described in literature for the treatment of intra-articular calcaneal fractures. This study analyzes the effects of patient, fracture and surgical factors on objective outcomes of intra-articular calcaneal fracture management. Incisional approach, including sinus tarsi, lateral extensile and percutaneous, and fixation construct, including open reduction internal fixation (ORIF) with screws, ORIF with plate, primary fusion with screws and primary fusion with plate were of primary interest.						
Methodology	Retrospective data from a s or nonunion, wound compl	Retrospective data from a single surgeon was computed using logistic regression to identify factors contributing to delayed or nonunion, wound complications, return to activity, rate of union and return to the operating room.						
Procedures								
Results	Thirty-one intra-articular cc (12.9%) fractures develope with no cases of deep infece both ORIF with screws and plate ($P = 0.01$, $P = 0.05$, re complications, or return to	alcaneal fractures in 28 patients w d delayed or nonunion, 6 (19.4%) tion, and 11 (35.5%) required retu l primary fusion with screws had f spectively). No differences were i operating room among the various	ith mean follow experienced inc rn to the operati aster return to a dentified in rate s incisional and	-up of 19.3 months were included. Four ision-related wound healing complications ng room. Regression analysis revealed that tivity compared to ORIF and fusion with or incidence of fracture union, wound fixation techniques.				
Discussions	We conclude that screw-on fractures, irrespective of in- should guide incisional app	ly fixation can be safely utilized for cisional approach. Desired fracture roach.	or ORIF and pri e and articular e	mary fusion of intra-articular calcaneal xposure and soft tissue envelope quality				
Format	Scientific							
Case Rpt Followup	19							
Student Club								
Classification	Trauma							
Level of Evidence	Level III							
Authors/Financial Di	sclosures							
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Submission ID	05-01090)		Ref ID Sci-1090				
Title	Residual Reported	Residual Metatarsal Length After Ray Amputation and their Effect on Patient- Reported Functional, and Clinical Outcomes: A Retrospective Analysis						
Submit Date	10/14/2024							
Correspondent	Last Name:	Qadri						
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	Practice/Cor	npany/Residency Program:	Medstar Geo	orgetown University Hospital				
Authors	Author 1:	Ali A. Qadri, DPM	Author 2:	Craig J. Verdin, DPM				
	Author 3:	Christopher M. Ply, BS	Author 4:	Christian X. Lava, BS				
	Author 5:	Christopher E. Attinger, MD	Author 6:	Karen K. Evans, MD				
	Author 7:	John S. Steinberg, DPM, FACFAS	Author 8:	Jayson N. Atves, DPM, FACFAS				
Purpose	The pedal ra quality of lif with parabol unclear.	The pedal rays are crucial for normal ambulation, and their loss through amputation can lead to poor function, reduced quality of life, and increased morbidity, evidenced by a high rate of complications. To mitigate the morbidity associated with parabolic disruption, preserving ray length has been advocated, but the quantitative effects of this preservation are unclear.						
Methodology	We conducte central rays, defined by c using valida	We conducted a comparative retrospective analysis of 38 unilateral ambulatory diabetic ray amputees (20 first rays, 7 central rays, 11 fifth rays) treated at Georgetown University Hospital between June 2021 and June 2023. Outcomes were defined by complications (major and minor), limb salvage rates, and assessments of residual function and quality of life using validated patient-reported outcome measures.						
Procedures								
Results	The average up duration (p=0.00), bu functionality	age of participants was 67.2 ± 11.2 years, w was 24.5 months (range, 0.3-83.7). A higher t major complications were not significantly and quality of life for all ray amputation co	vith a Charlson Con incidence of mino different (p=0.81) onstructs were com	morbidity Index of 5.4 ± 2.1 . The mean follow- r amputations was observed in ray amputations). Patient-reported outcomes indicated that parable to transmetatarsal amputation.				
Discussions	Our findings Various ray preservation significantly making, adv	Our findings challenge the notion that transmetatarsal amputation (TMA) is the gold standard for forefoot procedures. Various ray amputations, especially isolated first ray amputations, can yield comparable or superior functionality due to the preservation of key metatarsals. Despite concerns regarding complications, ray amputations do not appear to carry significantly higher risks than TMAs. Our analysis underscores the importance of patient education and informed decision-making advocatine for a focus on preserving functionality in time salvage approaches.						
Format	Scientific							
Case Rpt Followup	25							
Student Club								
Classification	Physical The	erapy/Rehabilitation						
Level of Evidence	Level III							
Authors/Financial D	isclosures							
Full Name:	Email:	Disclosure(s) selected:		Disclosed Organisation(s):				

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Submission ID	05-01095					Ref ID Sci-1095		
Title	Retrospec Osteotom	tive Review of y and Residual	Double Arthrodes Postoperative De	is With an formity	d Without Co	ncomitant Evans		
Submit Date	10/14/2024							
Correspondent	Last Name: Full Name: Practice/Com	Treimer Joshua D., DPM pany/Residency Progr	am:	Email: Advent Healt	joshua.treimer.dp h East Orlando	m@adventhealth.com		
Authors	Author 1: Author 3: Author 5: Author 7:	Joshua D. Treimer, J John W. Jaeger, DP! Christopher Reeves,	DPM M , DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Raluca Wojciecho Marie Mendez, D Amber Shane DP	owski, DPM PM M, FACFAS		
Purpose	The primary pyielded signif	ourpose of this study v icantly less post-opera	vas to determine if perfor ative residual deformity of	ming a concon compared to the	nitant Evan's osteoto ose performed witho	omy during a rearfoot fusion out it.		
Methodology	10 patients who steotomy and calcaneocubo recorded. The	10 patients who underwent rearfoot fusions were stratified into 2 groups: those who underwent a concomitant Evan's osteotomy and those who did not. The pre-operative x-rays were radiographically analyzed and various angles including calcaneocuboid, Meary's (AP + lateral), Kite's, peritalar subluxation, and calcaneal inclination were measured and recorded. These were then compared to post-operative weightbearing x-rays with similar parameters being evaluated.						
Procedures								
Results	There were no were statistica parameters. T without conco	There were no statistically significant differences between groups in terms of magnitude of pre-operative deformity. There were statistically significant improvements within each respective group in terms of post-operative radiographic parameters. Talar-head uncoverage improved absolutely moreso in the Evan's osteotomy group than the rearfoot fusion without concomitant lateral column lengthening.						
Discussions	Both groups y operatively. A without conce who had the l osteotomy gro	Both groups yielded significant deformity correction with no statistically significance existing between the groups post- operatively. Although there was statistically significant improvement in the calcaneocuboid abduction angle in patients without concomitant Evan's osteotomy, they still fell outside of the normal range (0+5 degrees) unlike their counterparts who had the lateral column lengthening performed. Peritalar subluxation improved in a larger fashion within the Evan's osteotomy group which yields potential biomechanical implications with respect to medial column strain.						
Format	Scientific							
Case Rpt Followup	24							
Student Club								
Classification	Rearfoot and	Ankle Reconstruction						
Level of Evidence	Level II							
Authors/Financial D	Disclosures							
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Submission ID	05-01096				Ref ID Sci-1096			
Title	Retrospec Relations	Retrospective Analysis of Incidence of Vitamin D Deficiency in Ankle Fractures and Relationship to Severity of Injury						
Submit Date	10/14/2024							
Correspondent	Last Name: Full Name: Practice/Com	Wojciechows Raluca pany/Residenc	ski y Program:	Email: AdventHealth	raluca926@gmail.com East Orlando Residency Program			
Authors	Author 1: Author 3: Author 5: Author 7:	Raluca Wojc John Jaeger, Joseph Conte	iechoskwi, DPM DPM e, DPM FACFAS	Author 2: Author 4: Author 6: Author 8:	Joshua Treimer, DPM Christopher Reeves, DPM, FACFAS			
Purpose	The purpose of is an association	of this study is on between hy	to analyze the incidence of Vita povitaminosis D and severity of	amin D deficienc of ankle fractures	y with ankle fractures and to determine if there .			
Methodology	38 patients wi defined as vit severity was a	38 patients with ankle fractures with recorded Vitamin D levels at the time of visit were selected. Hypovitaminosis was defined as vitamin D level less than 30 ng/ml and insufficiency was defined as less than 20 ng/ml. The ankle fracture severity was analyzed by Lauge Hansen classification.						
Procedures								
Results	From a total of were less thar severity with additional 8 h demonstrating	From a total of 38 patients, 20 demonstrated levels less than 30 ng/ml qualifying them as vitamin D hypovitaminosis, and 6 were less than 20 ng/ml, making them vitamin D insufficient. In those vitamin D insufficiency patients, 100% had grade 4 severity with 50% PER 4 and 50% SER 4. In those 20 patients with hypovitaminosis, besides the 6 patients mentioned, an additional 8 had SER 4, with 2 PER 3 and 3 SER 2. 18 patients with sufficient vitamin D levels >30 ng/ml, 12 demonstrating SER 4. IPER 4, 1 SER 3, 1 PER 3, 1 SAD 1.						
Discussions	100% of patie group there w there was an i normal Vitam mitigate seven	100% of patients with vitamin D insufficiency had grade 4 Lauge Hansen in terms of severity. In the hypovitaminosis group there was an increase in both variety and severity of ankle fractures. In the group with sufficient vitamin D levels, there was an increase in lower grade Lauge Hansen fractures as well as increased myriad of fracture types. Although normal Vitamin D levels may not prevent incurrence of ankle fractures, they may provide osseoprotective qualities that militate severity of the fracture.						
Format	Scientific							
Case Rpt Followup	12							
Student Club								
Classification	Trauma							
Level of Evidence	Level II							
Authors/Financial Di	sclosures							
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Submission ID	05-01106				Ref ID Sci-1106				
Title	Prognostic in Patients	Prognostic Value of Vascular Calcifications Documented on Pre-operative Radiograph in Patients with Peripheral Arterial Disease							
Submit Date	10/14/2024								
Correspondent	Last Name:	LeSavage							
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	Practice/Compa	ny/Resider	ncy Program:	Atrium Heal	th Wake Forest Baptist				
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	Author 5:	Cody Blaz	ek, DPM	Author 6:	Akalya Villenthi, MS				
	Author 7:	Matthew G	oldman, MD	Author 8:					
Purpose	Evaluate the rel patients with pe	ationship b ripheral art	etween vascular calcificat erial disease undergoing i	ions on pre-operative r ndex minor foot ampu	adiographs and limb-specific outcomes in tation (IMA).				
Methodology	PAD was a retro pedal amputation PAD was defined within 90 days of were included. I correlation with Wilcoxon rank s	on distal to ed as: ABI> of IMA. Ex Level of va ABI value sum analys	Symes amputation/disartic L1.3, notation of noncompu- clusion criteria included h scular calcification was de , Hba1c, creatinine, minor is and hazard ratios were of	sulation, for the first tin evaluation, for the first tin ressible vessels, ABI distory of ipsilateral an ocumented (digit/metal or major amputation, calculated for statistical	hate, minor toot amputation, defined as any ne from 2012-2019, with documented PAD. 0.95, or TBI <0.70, based on arterial studies uputation or traumatic amputation. 258 patients arsal/anterior/posterior) and assessed for need for revascularization, and mortality. I analyses.				
Procedures									
Results	There was no st when comparing association betw Although not st revascularizatio revascularizatio	atistically s g patients v veen serum atistically s n but highe n but reduc	ignificant difference in ou vith and without vascular of creatinine and vascular of ignificant, patients with d or risk of amputation. In co red risk of amputation who	tcomes of minor ampu- calcifications on radiog alcification, however n igital vascular calcifica ontrast, patients with an en compared to those v	tation, major amputation, and revascularization graphs. There is a statistically significant o difference pertaining to Hbalc level. tion were noted to have reduced risk of kkle level calcifications have a higher risk of vith digital level calcification.				
Discussions	Presence of vas- vessels effected	cular calcif	ication on pre-operative ra	adiographs may have p	rognostic value depending on the level of				
Format	Scientific								
Case Rpt Followup									
Student Club									
Classification	Diabetic Foot								
Level of Evidence	Level III								
Authors/Financial D	isclosures								
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Submission ID	05-01111				Ref ID Sci-1111				
Title	Radiogra Titanium Deformity	Radiographic Outcomes of Medial Cuneiform Opening Wedge Osteotomy: Trabecular Titanium Wedge vs Osseous Bone Wedge for Correction of Adult Acquired Flatfoot Deformity							
Submit Date	10/14/2024								
Correspondent	Last Name: Full Name: Practice/Com	Fullmer Taylor C. Fullmer, pany/Residency Pro	, DPM gram:	Email: Gundersen He	taylor.fullmer@gundersenhealth.org alth System				
Authors	Author 1: Author 3: Author 5: Author 7:	Taylor C. Fullmer, Scott C. Carringto	, DPM n, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Rosie J. Thompson, DPM				
Purpose	For flatfoot c: osteotomy), in outcomes of p wedge.	ases with a persisten nvolving a wedge-sh patients who after Co	t forefoot varus component laped bone graft placement, otton osteotomy were treate	, a medial cune , is an option. T d with either an	form opening wedge osteotomy (Cotton his study aims to compare the radiographic osseous bone wedge or trabecular titanium				
Methodology	21 patients wi into two grou preoperative, lateral talus-f demographics	21 patients who underwent Cotton osteotomy between 2011 and 2022 were included in the study. Patients were divided into two groups: the osseous group (n=10) and the metallic implant group (n=11). Radiographs were taken at 3 intervals: properative, early postoperative and final follow-up (over 1 year). Key radiographic parameters measured included the lateral talus–first metatarsal angle (Meary's angle) and anteroposterior talocalcaneal angle (Kite's angle). Patient demographics were also included.							
Procedures									
Results	Meary's and l and 17.1° resj angle (mean l metallic grou	Kite's angle improve pectively). However, oss: 2.1° and 5.3°, re p for both angles (mo	ed significantly in the imme , there was loss of correctio espectively). The osseous g ean loss: 3.2° versus 1.1° at	diate postopera n at final follov roup had a high nd 7.8° versus 3	tive period in both groups (mean change: 9.3° -up in both groups for both Meary's and Kite's er loss of correction when compared to the .1°, respectively).				
Discussions	The Cotton or long-term foll results showe with a bone a	steotomy provided ex low-up. Medial colux d that Cotton osteoto llograft.	arly correction of the media mn collapse was noted, des omy using a metallic implar	al arch, but man pite maintained nt produced rad	y patients experienced loss of this correction at cuneiform shape and implant choice. Our iographic outcomes similar to those achieved				
Format	Scientific								
Case Rpt Followup									
Student Club									
Classification	Forefoot Reco	onstruction							
Level of Evidence	Level III								
Authors/Financial D	Disclosures								
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-01121				Ref ID Sci-1121			
Title	A Compa Abductov	A Comparison of Radiation Exposure during Minimally Invasive and Open Hallux Abductovalgus Surgery						
Submit Date	10/15/2024							
Correspondent	Last Name: Full Name: Practice/Com	Schwab Anthony pany/Residency	Program:	Email: Inova Fairfax	anthonyjschwab7@gmail.com Medical Campus			
Authors	Author 1: Author 3: Author 5: Author 7:	Anthony, J, S Sara Hammor Corine L. Cre	chwab, DPM, MS hd, DPM ech, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Gregory Rose, DPM, MPH Lauren Weisel, DPM			
Purpose	The purpose of intraoperative	of this study is to radiation expos	o further advance our understan sure in both minimally invasive	nding of expecte and traditional	ed radiation doses through comparison of open bunion surgery.			
Methodology	A retrospective documented is minimally investment the present stu- fluoroscopic of	A retrospective review was conducted at our institution to identify minimally invasive and open procedures with documented intraoperative fluoroscopy use between January 2019-June 2024. This search identified 149 consecutive minimally invasive bunion operations. Of these, 66 contained reliable intraoperative fluoroscopy data and were included in the present study for analysis. A total of 55 open distal chevron bunionectomies were identified for the open cohort. Total fluoroscopic use (in seconds) as well as radiation (cGy/cm^2) was recorded.						
Procedures								
Results	Sixty six minimally invasive bunion procedures (48 female, 18 male) were included in this study. Average age was 51.16 (20-76) and average BMI was 27.86 (18.7-45.6). Average fluoroscopy time and total radiation was 122.47 (22.5-340.3) seconds and 24.9 cGy/cm ² , respectively. In comparison, 55 open distal chevron type bunionectomies were additionally reviewed. Average age in this population was 57.27 (27-80) and BMI was 29.45 (21.7-48.6). Average fluoroscopy time and radiation was 10.26 (0.74-27.5) seconds and 2.08 cGy/cm ² .							
Discussions	Marc etc al. in the first of its procedures at radiation expo	Marc etc al. in 2023 reported an average fluoroscopy time of 74 seconds in MIS bunion procedures. In our work which is the first of its kind, average fluoroscopy time was one order of magnitude higher in MIS bunion correction than in chevron procedures at 122.47 seconds compared to 10.26 seconds. Foot and ankle surgeons should be mindful of this increase in radiation exposure if performing these surgeries in moderate to high volume. In further work, we hope to add to this cohort.						
Format	Scientific							
Case Rpt Followup	12							
Student Club Classification Level of Evidence	Forefoot Reco Level IV	onstruction						
Authors/Financial Di	isclosures							
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Submission ID	05-01123	}		Ref ID Sci-1123		
Title	Retrospe Surgical	ective Analysis of Chronic Syr Outcomes via Arthroscopic I	idesmotic Inju Debridement w	ries: Diagnostic Approach and ith Suture Button Fixation		
Submit Date	10/15/2024					
Correspondent	Last Name:	Xenophontos				
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	Author 3:	Carina Alexis, DPM, MS	Author 4:	Joseph Waterhouse, DPM		
	Author 5:		Author 6:			
	Author 7:		Author 8:			
Purpose	Chronic syn misdiagnose Although ac tomography intra-operat and pain sco	desmotic injuries present substantial diag ed or identified late, these injuries lead to lvancements in imaging techniques includ have improved diagnostic accuracy, the r tve technique to determine chronic syndes res pre-operatively and post-operatively t	nostic and therapeuti persistent pain, joint ing magnetic resonau nanagement of these motic injuries prior t o determine effective	c challenges in adult populations. Often instability, and early-onset osteoarthritis. nce imaging and weight-bearing computed injuries remains contentious. We used a specific o treatment and compared functional outcomes eness.		
Methodology	From 2022- positive driv button and s VAS survey measure the	From 2022-2024, 10 patients treated via arthroscopy for ankle impingement with suspected syndesmotic injury exhibited a positive drive through sign, indicating the presence of syndesmotic instability. All patients were treated with a single suture button and syndesmotic debridement with or without additional procedures. All patients completed AOFAS, CAIT, and VAS surveys pre-operatively which were compared to the same scores post-operatively at 3 months and up to 24 months to measure their functional outcomes.				
Procedures						
Results	Significant i noted in CA	improvements were noted in AOFAS and IT scores when compared pre-operatively	VAS scores at every and past the post glo	time interval. Significant improvement was bal period.		
Discussions	The results syndesmotic through stre for some pa	of this retrospective study contribute value injuries. We demonstrated significant im ss followed by treating with debridement tients, even up to 24 months of follow up.	able insight to availab provement by diagno and suture button pla	ble options for optimal management of chronic using chronic syndesmotic injuries via drive accement with at least 3 months of follow up and		
Format	Scientific					
Case Rpt Followup						
Student Club						
Classification	Arthroscopy	/				
Level of Evidence	Level III					
Authors/Financial I	Disclosures					
Full Name:	Email:	Disclosure(s) selecte	d:	Disclosed Organisation(s):		
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Submission ID	05-01138			Ref ID Sci-1138
Title	A Phase 1 Assess Co Plantar F	, Single-blind, Randomized, Plac Ilagenase Clostridium Histolytic asciitis (PFA)	ebo-Contr um (CCH)	olled Dose Escalation Study to vs Placebo in Patients With
Submit Date	10/15/2024			
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	Author 5:	Sara Suttle, DPM	Author 6:	James Tursi, MD
	Author 7:	Nigel Jones, PharmD	Author 8:	Luis Ortega, MD
Purpose	Improved nor US for the tre with a palpab PFA was cond	surgical treatment options are needed for PFA atment of adults with Dupuytren's contracture le plaque and curvature deformity of at least 30 fucted.	, the most com with a palpabl 0°. A phase 1, 1	mon cause of heel pain. CCH is approved in the e cord and adult men with Peyronie's disease andomized, dose-escalating study of CCH for
Methodology	Adults with p eligible. Plant incidence, sev included patie mean changes	ainful, chronic PFA (duration >8 weeks; unres) ned treatments included placebo and 3 CCH de verity, and duration of treatment-emergent advo ent-reported measures of foot-related pain and s from baseline between treatment groups.	ponsive after 6 oses by intrafas erse events (TE treatment satis	-12 months of conservative therapy) were cial injection. Primary endpoints were the EAEs) through day 84. Secondary endpoints faction. Outcomes were analyzed by comparing
Procedures				
Results	Sixty-two pat treatment effi vs placebo (-2 of placebo pa resolving with frequent TEA	ients received placebo (n=14) or CCH treatme cacy, an improvement in mean pain scores was .8). A positive treatment satisfaction response tients. No treatment-related deaths or withdraw in 21 days. TEAEs were reported with a high Es were similar to those seen in the approved i	nt (n=48). Alth s observed amo was seen in 56 wals occurred. I er frequency ar indications: inj	ough the study was not powered to assess ong CCH treatment groups (range, -4.0 to -4.3) .3%-66.7% of CCH patients compared to 35.7% Most TEAEs were mild to moderate in severity, d severity for the highest CCH dose. Most ection site pain, swelling, and bruising.
Discussions	Results warra	nted further evaluation in an ongoing phase 2,	double-blind,	placebo-controlled study.
Format	Scientific			
Case Rpt Followup				
Student Club				
Classification	Soft Tissue/T	umor		
Level of Evidence	Level II			
Authors/Financial Dis	closures			

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Submission ID	05-01140			Ref ID Sci-1140		
Title	Collagenase Clostridium Histolyticum (CCH) in Patients With Plantar Fibromatosis (PFI): Post hoc Analysis of a Phase 2, Double-blind, Randomized, Placebo-Controlled Study					
Submit Date	10/15/2024					
Correspondent	Last Name:	DeLuca				
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	Author 7:	Nigel Jones, PharmD	Author 8:	Luis Ortega, MD		
Purpose	CCH, a nonsu and adult men PFI, which is analysis result 222; NCT051	regical treatment approved in the US for treatm with Peyronie's disease with a palpable plaqu characterized by collagen-containing nodules ts in a subgroup of patients with PFI from a ph 52173).	nent of adults w ie and curvature along the media hase 2, randomin	ith Dupuytren's contracture with a palpable cord e deformity of >/=30°, is being investigated for al/central plantar fascia. We describe post hoc zed, placebo-controlled trial of CCH (Study		
Methodology	Subgroup efficacy analyses were performed for Study 222 patients with >/=1 injection of CCH or placebo and >/=1 post- injection Foot Function Index (FFI) Pain subscale assessment. Patients with baseline Numeric Rating Scale pain score of 10 (ie, patients with extreme distress or pain) or nodule consistency (firmness) of "moderately firm" (nodules with less collagen content) were excluded. Endpoints included change from baseline to day 57 in FFI Pain subscale, combined FFI Pain+Difficulty subscales, Clinician Global Impression of Change (CGIC), nodule hardness (durometer), and nodule consistency (firmness by palpation). Results were assessed using analysis of covariance, mixed model for repeated measures, or Cochran-Mantel-Haenszel test, as appropriate.					
Procedures						
Results	The subgroup significant im score (P=0.02 events were re	analysis included 126 patients (CCH, n=61; p provements compared to placebo in FFI Pain (5), nodule hardness (P=0.002), and nodule cor eported.	elacebo, n=65). (P=0.014) and I nsistency (P<0.	Subgroup patients treated with CCH had ain+Difficulty (P=0.020) subscales, CGIC 01). CCH was well tolerated; no serious adverse		
Discussions	This subgroup trial is underw	o analysis identified patients with PFI with a ro yay.	obust CCH trea	tment effect. An appropriately powered phase 3		
Format	Scientific					
Case Rpt Followup						
Student Club						
Classification	Soft Tissue/Tu	lmor				
Level of Evidence	Level I					

Authors/Financial Disclosures

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Submission ID	05-01142					Ref ID Sci-1142
Title	Multiple Cadaveri	Variations of th c Limbs	he Superficial Pero	neal Nerve	(SPN) in Fresh	Frozen
Submit Date	10/14/2024					
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	Author 5:	Eduardo Badillo C	Colberg, MS	Author 6:	Monica Thokkudubi	yyapu, MBA
	Author 7:	Gurkiran Kaur, BS	5	Author 8:	Noah Sperber, BS	
Purpose	To determine more than thr	whether there are me ee variations in the d	ore than four variations of listal one-third of the leg.	the SPN in the	middle one-third of the	e leg and if there are
Methodology	Sixty fresh fro variations inc medial dorsal	ozen limbs were diss luded: middle one-th cutaneous nerve (M	ected. A flap of skin and su iird, distal ankle/bifurcation DCN), communicating bra	ibcutaneous tis ns with interme nches, IDCN o	sue was created. Locat diate dorsal cutaneous ff sural nerve.	ions of anatomical nerve (IDCN) and
Procedures						
Results	Of the 60 cad 16.7% SPN c distal variatio Type C: 26.79 Type D had a	averic limbs, 43.3% oursed anterior, 13.3 ns: Type A with a fre % compared to 12%, frequency of 30% co	of the SPN coursed in the % SPN coursed septal, and equency of 41.7% compare and a fourth branching pat ompared to 8.6% identified	lateral compart l 3.3% coursed d to 72% by B tern (Type D), l by Kosinski.	ment, 23.3% SPN cour septal and lateral. In ac lair and Botte, Type B: where IDCN branching	sed anterior and lateral, Idition, we identified 4 1.7% compared to 16%, g from the sural nerve.
Discussions	Most commo septal variatio variations wit	Most common pattern of nerve variation observed of the SPN was 43.3% in the lateral compartment with a new lateral and septal variation. In our specimens, the distal one-third Type D variation had a frequency of 30%. There are five SPN nerve variations within the middle one-third of the leg and four variations in the distal one-third of the leg.				
Format	Scientific					
Case Rpt Followup						
Student Club						
Classification	Biomechanics	s and Anatomy				
Level of Evidence	Level V					
Authors/Financial D	isclosures					
Full Name:	Email:		Disclosure(s) selected:		Dis	closed Organisation(s):
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TitleTotal Tabus Replacement for Tabar AVN: EVROPECTIVE StudySubmit Date10152024CorrespondentLast Name: Chang Full Name: Chang, DM, FACFASEmail: Thomas Long J4@concest net Sonoma County Orthopedie / Podiatric SpecialiasAuthor S:Author 3:Author 3:Author 4:Author 3:Author 4:Author 4:Author 5:Author 4:Author 5:Author 6:Author 6:Author 7:Author 6:Author 6:Author 7:Author 6:Author 7:Author 7:Author 6:Author 7:Author 7:Author 7:Author 6:Author 7:Author 7:Author 6:Author 7:Author 7:Author 7:PurposeEnd stage talar vascular necrosis (ANN) is difficult to manage clinically. Three-dimensional properties authorPortocologyPatients presenting with later ANN at eas of six institutions were prospectively curoled and implantent reported and analyzid. A total of 20 total talas procedares (19 patients) were enrolled, with 19 reaching six weeks of follow-up on more:ProceduresPatients presenting with Jate ANN at eas of six institutions were prospectively author and the fee device-reacted scions adverse events (wound infection, complex regional pain syndown), wound dehicement, baid free device-related scions adverse events (wound infection, complex regional pain syndown), wound dehicement, baid free device-related scions adverse events works passperatively, Affride adverse adverse were science of an analyzid. A total of 20 total talas procediants and proved to be safe and effective for the treatment of east agas faint of a stress science of a stress science of a stress science of a stress science of a stress sc	Submission ID	05-01154					Ref ID Sci-1154	
Submit Date Iui S2024 Correspondent Last Name: Chang. Enail: Thomas J. Chang, DPM, FACFAS Enail: Thomas Chang H@concest.net Full Name: Thomas J. Chang, DPM, FACFAS Enail: Thomas Chang H@concest.net Partice Company, Residency Program: Sonoma County Orthopedie / Podiatric Specialists Author 3: Author 1: Thomas J. Chang, DPM Author 2: Christopher E. Gross, MD Author 5: Author 6: Author 6: Author 6: Author 6: Author 6: Chang, DPM Author 6: Chang, DPM Purpose Eed stage talar vascular necrosis (AVN) is difficut to manage clinically. Three-dimensional dollar properties and decising (ACD) has increased the ability to reat this complex pathology through patient specific 3D printed talar replacements (TR). The purpose of this study is to proper prospectively callected clinical data and patient reported outcome scare: (PK000M) of patients implanded with TR in antibi-intificational overs or cellected and analyzed. Autol of 2D tool talus procedure: (P patients) were encilled, with 19 reaching six weeks of follow-up and 16 for device-related scinos adverse events (would infection, complex regional pain syndomy, would delisednee) and pastoparticely. MX10 has significant decrease of 51 ± 25.49 points (P-0001). All FAOS subscales haved statistically significant therapes of 51 ± 25.49 points (P-0001). All FAOS subscales haved statistically significant therapes of 51 ± 25.49 points (P-0001). All FAOS subscales haved statistically significant therapes of 51 ± 25.49 points (P-0001). All FAOS subscales haved statistically significant therapes of 51 ± 25.49 points (P-0001). All FAOS subscales haved statistically significant therapes or setter in the statis procedure were tha	Title	Total Talı	Total Talus Replacement for Talar AVN: A Prospective Study					
Correspondent Last Name: Chang. Fuil Name:: Thomas J. Chang. DPM, FACFAS Email: TomasChang Legionstante Fuil Name:: Thomas J. Chang. DPM. Author 2:: Christopher E. Gross, MD Author 3: Author 4: Author 2:: Christopher E. Gross, MD Author 5: Author 6: Author 7: Author 7: Author 7: Author 7: Author 7: Author 7: Purpose End stage talar vancular necross (AVN) is difficult to manage elinically. Three-dimensional GOD printing and computer-related design (CAD) has increased the ability to tren this complex parabolity of parallel vancular necross (AVN) is difficult to manage elinically. Three-dimensional prospective study. Methodology End stage talar vancular necross (AVN) is difficult to manage elinically. Three-dimensional gOD printing and computer-related design (CAD) has increased the ability to tren this complex prospectively collected clinical data and patient reported outcome measures: (PROMs) of patients inclusions were prospectively collected clinical data and patient reported outcome measures: (PROMs) of patients inclusions were prospectively collected clinical data and patient reported number data data and patient reportedata data and patient reported number data data nutha PAN at one	Submit Date	10/15/2024						
Author 1: Tomas J. Chang, DPM Author 2: Christopher E. Gross, MD. Author 5: Author 7: Author 4: Author 7: Author 4: Author 7: Author 4: Author 7: Author 6: Author 7: Author 6: Author 7: Author 6: Author 7: Author 6: Author 7: Author 7: Author 1: The parpose of this study is to report prospectively collected clinical duat and patient reported or 700 patients indicated patient reported and implaned with TR. Author 2: Forechares Soff of the Chort was finance and and and the outcome accert FAOS), and adverse events ware cellected an infection and ankee accert in crospectively. Write patient indicated good or excellent atatisfaction. Author 2:	Correspondent	Last Name: Full Name: Practice/Com	Chang Thomas J. Ch pany/Residency	ang, DPM, FACFAS Program:	Email: Sonoma Coun	ThomasChang ty Orthopedic / I	14@comcast.net Podiatric Specialists	
Purpose End stage talar avascular necrosis (AVN) is difficult to manage clinically. Three-dimensional (3D) printing and computer- aided design (CAD) has increased the ability to treat this complex pathology through patient specific 3D printed talus randed design (CAD) has increased the ability to treat this complex pathology through patient specific 3D printed talus requerements (TRIS, The purpose of this study is to report prospectively collected clinical data and patient reported outcome measures (PROMs) of patients implanted with TTR in a multi-institutional wadres events were cellected and analyzed. A total of 2D total talus procedures (19 patients) were enrolled, with 19 reaching six weeks of follow-up and If oreaching six monts of follow-up or more. Procedures S0% of the cohort was female. Mean age and BMI were 49.2±15.7 years and 33.6±6.8 kg/m2, respectively. Three patients had five device-related serious adverse events (wound infection, complex regional pairs yndrome, wound debiscence, ous competitis, and pair). VAS Pain as sores improved at its months postoperatively, with a significant decrease of 30.1 ± 28.94 points (p=.0001). AII FAOS subscales showed statistically significant improvements from preopentive to six months postoperatively. Additionally, at six months postoperatively, and showed considerable more or event enter adverse events and proved to be safe and effective for the treatment of end stage avascular necrosis. Patients were largely satisfied at six months postoperatively and showed considerable more or event Proved adverse events and proved to be safe and effective for the treatment of end stage avascular necrosis. Patients were largely satisfied at six months postoperatively and showed considerable more or a medical publication or editorial governing Evel of V Evel or Evele	Authors	Author 1: Author 3: Author 5: Author 7:	Thomas J. Ch	ang, DPM	Author 2: Author 4: Author 6: Author 8:	Christopher E.	Gross, MD	
Methodology Patients presenting with talar AVN at one of six institutions were prospectively enrolled and implanted with a TTR. Demographics, range of motion, VAS pain score, Foot and ankle outcome score (FAOS), and adverse events were collected and analyzed. A total of 20 total talus procedures (19 patients) were enrolled, with 19 reaching six weeks of follow-up or more. Procedures S0% of the cohort was female. Mean age and BMI were 49.2±15.7 years and 33.6±6.8 kg/m2, respectively. Three patients and five device-related serious adverse events (wound infection, complex regional pain syndrome, wound dehiscence, ostomyelitis, and pain). VAS Pain scores improved at six months postoperatively, with a significant decrease of 36.1 ± 28.94 points (p-0001). All FAOS subscales showed statistically significant improvement from propertative to six months postoperatively. Additionally, at ix is months postoperatively, with a significant decrease of 36.1 ± 28.94 points (p-0001). All FAOS subscales showed statistically significant improvement from propertative to six months postoperatively. Molecular statistically significant improvement from propertative to six months postoperatively. Molecular statistically significant improvement from the reatment of end stage avascular necrosis. Patients were largely satisfied at six months postoperatively and showed considerable improvements in all PRO- Student Club Classification Rearfoot and Ankle Reconstruction Disclossed Organisation(s): Editorial Board - Foot and Ankle Specialist Ponmas J. Chang. DPM ThemasChang14@comcatent errower and edition or editorial governing Grant/Research funding Grant/Research funding Paragon 28, Osio, Bioventus Christopher E	Purpose	End stage tala aided design replacements outcome mea	End stage talar avascular necrosis (AVN) is difficult to manage clinically. Three-dimensional (3D) printing and computer- aided design (CAD) has increased the ability to treat this complex pathology through patient specific 3D printed talus replacements (TTR). The purpose of this study is to report prospectively collected clinical data and patient reported outcome measures (PROMs) of patients implanted with TTR in a multi-institutional prospective study.					
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DiscussionsTTR was found to have low rates of short-term adverse events and proved to be safe and effective for the treatment of end stage avacular necrosis. Patients were largely satisfied at six months postoperatively and showed considerable improvements in all PROMS.FormatScientificCase Rpt Followup Student ClubScientificClassificationRearfoot and Ankle ReconstructionLevel of EvidenceLevel IVAuthors/FinancialDisclosare(s) selected: ord and ankle Reconstruction or editorial governing boardEditorial Board - Foot and Ankle SpecialistFull Name:Email:Disclosure(s) selected: consultant/Advisor/Speaker (List all affiliations)Paragon 28, Ossio, Biovenus Grant/Research fundingFull Name:Email:Member of a medical publication or editorial governing boardEditorial Board - Foot and Ankle SpecialistFull Name:Email:Disclosure(s) selected: consultant/Advisor/Speaker (List all affiliations)Paragon 28, Ossio, Biovenus Grant/Research fundingChristopher E. Gross, MDEgross144@gmail.comGrant/Research funding Serve in an official capacity (elected or appointed) for any oher medical or podiatic organization(s)Fal Associate Editor ADFASChristopher E. Gross, MDEgross144@gmail.comGrant/Research funding Serve in an official capacity (elected or appointed) for any oher medical or podiatic organization(s)Consultant/Advisor/Speaker (List all affiliations)Paragon 28, Fusion Ortho, ADFASChristopher E. Gross, MDEgross144@gmail.comGrant/Research funding Serve in an official capacity (elected or appointed) for any oher medical or podia	Results	50% of the co had five devic osteomyelitis 28.94 points (postoperative	50% of the cohort was female. Mean age and BMI were 49.2±15.7 years and 33.6±6.8 kg/m2, respectively. Three patients had five device-related serious adverse events (wound infection, complex regional pain syndrome, wound dehiscence, osteomyelitis, and pain). VAS Pain scores improved at six months postoperatively, with a significant decrease of 36.1 ± 28.94 points (p=.0001). All FAOS subscales showed statistically significant improvement from preoperative to six months postoperatively. Additionally, at six months postoperatively. Additionally, at six months postoperatively. Results and the satisfaction.					
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Classification Rearfoot and Ankle Reconstruction Level of Evidence Level IV Authors/Financial/Second Second Sec	Student Club							
Level of Evidence Level IV Authors/Financial Users Disclosures Full Name: Email: Disclosure(s) selected: Disclosed Organisation(s): Thomas J. Chang, DPM ThomasChang14@comcasture Member of a medical publication or editorial governing board Editorial Board - Foot and Company Thomas J. Chang, DPM ThomasChang14@comcasture Grant/Research funding Paragon 28, Ossio, Bioventure Function Grant/Research funding Stryker, Paragon 28, Ossio, Company Stryker, Paragon 28, Orthofix, Enovis Christopher E. Gross, MD Egross144@gmail.com Member of a medical publication or editorial governing board Stryker, Paragon 28, Ossio, Bioventure Christopher E. Gross, MD Egross144@gmail.com Grant/Research funding Committee Chairman for Orthofix, Enovis Consultant/Advisor/Speaker (List all affiliations) Paragon 28, Fusion Orthofix, Orthofix, Shukla, Enovis Paragon 28, Fusion Orthofix, Orthofix, Shukla, Enovis	Classification	Rearfoot and	Ankle Reconstru	action				
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Full Name: Email: Disclosure(s) selected: Disclosed Organisation(s): Thomas J. Chang, DPM Homaschang14@comeatedit Member of a medical publication or editorial governing orand Editorial Board - Foot and Ankle Specialist Thomas J. Chang, DPM Homaschang14@comeatedit Granut/Advisor/Speaker (List all affiliations) Paragon 28, Ossio, Bioventus Rember of a medical publication or editorial governing Faragon 28, Ossio, Bioventus Paragon 28, Ossio, Bioventus Rember of a medical publication or editorial governing Stryker, Paragon 28, Orthofix, Enovis Fal Associate Editor Serve in an official capacity (elected or appointed) for other medical or podiatric organization(s) Fal Associate Editor Oromittee Chairman for ADFAS Oromittee Chairman for ADFAS Paragon 28, Fusion Ortho, Orthofix, Shukla, Enovis	Authors/Financial Di	isclosures						
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Grant/Research funding Paragon 28 Grant/Research funding Stryker, Paragon 28, Orthofix, Enovis Christopher E. Gross, MD egross144@gmail.com Grant/Research funding FAI Associate Editor Serve in an official capacity (elected or appointed) for any other medical or podiatric organization(s) Committee Chairman for AOFAS Consultant/Advisor/Speaker (List all affiliations) Paragon 28, Fusion Ortho, Orthofix, Shukla, Enovis	Thomas J. Chang, DPM	ThomasChang1	4@comcast.net	Consultant/Advisor/Speaker	(List all affiliation	ons)	Paragon 28, Ossio, Bioventus	
Grant/Research funding Stryker, Paragon 28, Orthofix, Enovis Christopher E. Gross, MD egross144@gmail.com Kerber in an official capacity (elected or appointed) for any other medical or podiatric organization(s) FAI Associate Editor Consultant/Advisor/Speaker (List all affiliations) Paragon 28, Fusion Ortho, Orthofix, Shukla, Enovis				Grant/Research funding			Paragon 28	
Christopher E. Gross, MD cgross144@gmail.com Member of a medical publication or editorial governing board FAI Associate Editor Serve in an official capacity (elected or appointed) for any other medical or podiatric organization(s) Committee Chairman for AOFAS Consultant/Advisor/Speaker (List all affiliations) Paragon 28, Fusion Ortho, Orthofix, Shukla, Enovis				Grant/Research funding	g Stryker, Paragon Orthofix, Enovis		Stryker, Paragon 28, Orthofix, Enovis	
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Consultant/Advisor/Speaker (List all affiliations) Paragon 28, Fusion Ortho, Orthofix, Shukla, Enovis	Christopher E. Gross, MD	CELOSSI THUBBIN		Serve in an official capacity other medical or podiatric or	n an official capacity (elected or appointed) for any aedical or podiatric organization(s) AOFAS		Committee Chairman for AOFAS	
				Consultant/Advisor/Speaker (List all affiliations)		Paragon 28, Fusion Ortho, Orthofix, Shukla, Enovis		

Submission ID	05-01166					Ref ID Sci-1166
Title	Current F Ankle Art	Practice of throplasty:	Antibiotic Prophylaxis A Survey Study	for Dental	Procedures	Following Total
Submit Date	10/14/2024					
Correspondent	Last Name: Full Name:	Tirabassi Nathan C. Ti	irabassi, DPM, AACFAS	Email:	tirabanc@gma	il.com
	Practice/Com	pany/Residenc	y Program:	Foot & Ankle (FASTR) Fell	Salvage, Traum owship of Atlan	a, and Reconstruction ta
Authors	Author 1: Author 3: Author 5: Author 7:	Nathan C. Ti John A. Mar	irabassi, DPM, AACFAS tucci, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Samantha A. M	Miner, DPM, FACFAS
Purpose	Total ankle ar currently no c The primary a procedures in	throplasty (TA onsensus on po tim of this stud the setting of T	A) is becoming the surgical treat ostoperative protocols after TAA. ly was to evaluate the current tree TAA.	ment of choice , including use nds of antibiotic	for end-stage an of antibiotic pro c prophylaxis pri	kle arthritis. However, there is phylaxis for dental procedures. for to invasive dental
Methodology	In this cross-sectional survey study, responses regarding antibiotic prophylaxis for dental procedures were collected via a 10-question, self-reported, anonymous online survey distributed to podiatric surgeons who perform TAA. Inferences and conclusions were drawn from the percentages of respondents.					
Procedures						
Results	Of the 38 resp of respondent duration of pr procedure.	oondents, 66% s who use antil ophylaxis after	(n=25) use antibiotic prophylaxis biotic prophylaxis do so indefinit TAA. Just 8% (n=3) have encou	s for dental pro- cely, while the runtered a peripro-	cedures after TA emaining 50% (osthetic joint inf	A. Approximately 50% (n=12) n=13) had varying lengths of ection (PJI) after a dental
Discussions	Hematogenous PJI, which can result after an invasive dental procedure, is extremely rare in total joint arthroplasty as a whole. However, PJI is a devastating complication that requires revision surgery. Therefore, surgeons routinely prescribe antibiotics before dental procedures. Yet, recent literature casts doubt on the need for antibiotic prophylaxis. In this survey study, we found that two-thirds of foot and ankle surgeons routinely prescribe antibiotics before dental procedures after TAA. While we did not find a consensus, this study adds to the basis of knowledge regarding antibiosis in TAA patients prior to invasive dental procedures.					
Format	Scientific					
Case Rpt Followup						
Student Club	F. 1	/D	1			
Lovel of Evidence	Level V	Population St	udy			
	Lever					
Authors/Financial Dis	Email:		Disclosure(s) selected:			Disclosed Organisation(s):
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Submission ID	05-01168				Ref ID Sci-1168
Title	Fifth Digi	t Fillet Fla	ps: Outcomes in t	the Diabetic Foo	ot
Submit Date	10/14/2024				
Correspondent	Last Name: Full Name: Practice/Com	Egdorf Jay R, Egdo pany/Residenc	rf DPM, PGY2 y Program:	Email: Legacy Heal	jregdorf@lhs.org th Podiatric Residency
Authors	Author 1: Author 3: Author 5: Author 7:	Jay Egdorf I Justin Tidwe	DPM, PGY2 ell DPM	Author 2: Author 4: Author 6: Author 8:	Matt Shook DPM, PGY3
Purpose	Digital fillet f thickness cov reliable, dura	laps have been erage, with rel ble coverage of	well described in literation in the aim is well described in the aim is soft tissue defects in the aim is soft tissue defects in the aim is soft tissue defects in the aim is soft the aim is soft and a soft and	ure for their potential t of this study is to desc e diabetic foot.	o decrease wound burden with durable full ribe the use of, fifth toe fillet flaps, to provide
Methodology	A retrospectiv emergency ro collected incl laboratory dat were reviewe	ve chart review om between Ja uded: sex, age, ta, and imaging d for re-ulcerat	was conducted of all dia nuary 1 2020 and May 1 BMI, laterality, wound r g. The primary end point tion, re-infection and flap	betic patients presenti 2023, and underwent neasurements and dur was documentation of integrity.	ng to the senior author's outpatient clinic or 5th toe amputation with fillet flap. Clinical data ation, clinical signs of infection, smoking, 'wound healing. Final follow up appointments
Procedures					
Results	21 patients w (28.57%) pati up time was 1 recurrent ulce	ere identified f ents required r 5.8 months, w eration over the	or chart review. 13 patier e-operations to manage r ith a minimum of 1 year. flap.	nts were excluded. The e-ulcerations at other At final follow up, all	e median time to heal was 78 days. 3 of 8 locations on the same foot. The average follow fillet flaps remained well healed without
Discussions	Diabetic foot vascular, and adhering to co	ulcers are a pe immune system ore tenants of r	ripheral manifestation of ns. The use of digital fill econstructive surgery, su	multiple body system et flaps provides a pre ch as, replacement of	dysfunction, including the peripheral nervous, dictable, robust, and reliable blood supply while like with like and spare parts surgery.
Format	Scientific				
Case Rpt Followup					
Student Club					
Classification	Diabetic Foot				
Level of Evidence	Level III				
Authors/Financial Di	isclosures				
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):
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Submission ID	05-01174			Ref ID Sci-1174		
Title	Anatomy of the Peron Ankles	neal/Fibular Complex	: Ultrasoni	c Findings in Asymptomatic		
Submit Date	10/14/2024					
Correspondent	Last Name: Bykowski					
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	Practice/Company/Residency I	Program:	Grant Medical	Center		
Authors	Author 1: Alexa, T, Byko	wski, DPM	Author 2:	Joseph, R, Brown, DPM		
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	Author 5: Nevin, C, Josej	ph, DPM	Author 6:	Sara, J, Judickas, DPM		
	Author 7: Jeffrey, A, Stra	kowski, MD	Author 8:	Robert, W, Mendicino, DPM, FACFAS		
Purpose	Musculoskeletal ultrasound (U the author's knowledge, no pul subjects utilizing musculoskele asymptomatic, nonpathologica	(S) has emerged as a valuable of blications have evaluated the n etal US. Therefore, the purpose l peroneal complexes utilizing	liagnostic tool f formal anatomy of this study is diagnostic mus	or evaluating peroneal complex pathology. To of the peroneal complex in asymptomatic to evaluate the morphological features of culoskeletal US.		
Methodology	Adult volunteers with asympto peroneal tendon complex perfor asymptomatic and without inju exam was performed.	Adult volunteers with asymptomatic and uninjured ankles were recruited and underwent a diagnostic US evaluation of the peroneal tendon complex performed by a single physician trained in musculoskeletal US. If only one ankle was asymptomatic and without injury history, a unilateral exam was performed on the asymptomatic limb, otherwise a bilateral exam was performed.				
Procedures						
Results	53 ankles were evaluated. Peroneal complex anatomy was identified and described. There were no tears or subluxations in either the peroneus brevis or longus tendons. 64.2% of the peroneus brevis tendons were described as "flat." The mean distance of the myotendinous junction of the peroneus brevis to the CFL was -2.34mm in ankle inversion, 1.70mm in neutral, and 4.10mm in eversion. A proposed classification system was created to describe the brevis muscle belly distance with 7.5% of ankles classified as Type A, 56.6% as Type B, and 35.8% as Type C.					
Discussions	With the first known dynamic identified and characterized. The pathologies. The study emphase	US evaluation of non-patholog he proposed classification syst sizes the utility of dynamic US	gic peroneal cor em will help id in patient evalu	nplexes, a multitude of variables were entify patients at risk of peroneal complex ation for peroneal complex pathology.		
Format	Scientific					
Case Rpt Followup						
Student Club						
Classification	Biomechanics and Anatomy					
Level of Evidence	Level III					
Authors/Financial D	isolosuros					
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Submission ID	05-01186			Ref ID Sci-1186		
Title	Radiological outco flexible progressiv	Radiological outcomes with and without flexor digitorum longus transfer in the flexible progressive collapsing foot deformity				
Submit Date	10/15/2024					
Correspondent	Last Name: Kurian					
	Full Name: Geethu		Email:	gakurian@gmail.com		
	Practice/Company/Reside	ency Program:	West Penn Ho	spital		
Authors	Author 1: Geethu K	urian	Author 2:	Alan Catanzariti, DPM, FACFAS		
	Author 3:		Author 4:			
	Author 5:		Author 6:			
	Author 7:		Author 8:			
Purpose	Progressive collapsing fo osteotomies and limited a transfer in the treatment of	ot deformity is a common condition rthrodesis provide sufficient radiog of stage II flexible flatfoot deformity	often requiring raphic correctio 7.	surgical intervention. We hypothesize that n without the need for flexor digitorum longus		
Methodology	This retrospective chart r Mary, and calcaneal pitch mean, standard deviation, those with and without FI A p-value of <0.05 is defi	eview of 48 adult patients with stag preoperatively, and 6 weeks, 6 moi median and range. Two-way repea DL transfer were equal across all tin ned as a statistically significant diff	e II flexible flat nths, and 1 year ted measures Al ne points. All ar ference.	foot reconstruction observes AP Mary, lateral postoperatively. Descriptive statistics include NOVAs were used to see if angle means for halyses were conducted using R version 4.2.0.		
Procedures						
Results	Population mean AP Mea without FDL transfer (p-v statistically different betw lateral Meary, and calcand	ry and calcaneal pitch were not four value = 0.2542 and 0.5467 , respectiv- veen patients with and without FDL eal pitch were found to be statistical	nd to be statistic vely). Populatio transfer (p-valu lly different ove	cally different between patients with and n mean lateral Meary was found to be te =0.0028). Population means for AP Meary, r time (all p-values <0.0010).		
Discussions	Our results indicate FDL no significant difference i our limited sample size, i	Our results indicate FDL transfer provides superior sagittal plane improvement in the flexible flatfoot. However, there was no significant difference in loss of correction with and without FDL transfer from 6 weeks to 1 year postoperatively. Given our limited sample size, it would be valuable to repeat this study with more subjects to create a more powerful analysis.				
Format	Scientific					
Case Rpt Followup	6					
Student Club						
Classification	Rearfoot and Ankle Reco	nstruction				
Level of Evidence	Level III					
Authors/Financial Di	sclosures					
Full Name:	Email:	Disclosure(s) selected:		Disclosed Organisation(s):		
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Alan Catanzariti, DPM, FACFAS	alan.catanzariti@ahn.org	I/We have nothing to disclose				

Submission ID	05-01189				Ref ID Sci-1189			
Title	Does Hyj Reconstr	Does Hyperbaric Oxygen Therapy Decrease Flap Complication Rates Following Reconstruction of the Charcot Foot & Ankle						
Submit Date	10/14/2024							
Correspondent	Last Name:	Marker						
-	Full Name:	Curtis J Mar	ker, DPM	Email:	curtis.marker@hcmed.org			
	Practice/Con	npany/Residenc	y Program:	Hennepin He	ealthcare			
Authors	Author 1:	Curtis J Mar	ker, DPM	Author 2:	Kimberly Bobbitt, DPM, FACFAS			
	Author 3:	Michelle Wi	nder, DPM, FACFAS	Author 4:	Thomas C Masters II, MD			
	Author 5:			Author 6:				
	Author 7:	Author 7:						
Purpose	This pilot stu reconstructiv	This pilot study evaluates if hyperbaric oxygen therapy decreases complication rates of flap healing following reconstructive surgery for Charcot foot and ankle deformity.						
Methodology	Retrospective 45 limbs wer secondary ev joints and ev ankle), hyper	Retrospective review of patients from 2014-2024 that underwent reconstructive Charcot surgery. Forty-two individuals and 45 limbs were identified. Patient demographics were evaluated. The primary endpoint was incision healing rate with secondary evaluation of complications. External fixator application with soft tissue balancing, closed or open reduction of joints and eventual arthrodesis of joints (atrosmetatarsal, naviculocuneiform, talonavicular, calcaneocuboid, subtalar, ankle), hyperbaric oxygen therapy.						
Procedures								
Results	The average	heal time in the	HBO group was 16.8 wee	ks compared to 13.9	weeks in the Non-HBO group.			
Discussions	Patient select Our hypothes HBO group l peripheral art	Patient selection is multifactorial, especially when considering undergoing major limb salvage with reconstructive surgery. Our hypothesis was that the HBO group would have a shorter healing time. However, these results may be skewed as the HBO group had increased presence of pre-operative ulceration/infection, early ischemic changes to flap, and or history of peripheral arterial disease which resulted in overall longer time to heal.						
Format	Scientific	Scientific						
Case Rpt Followup	120	120						
Student Club								
Classification	Rearfoot and	Rearfoot and Ankle Reconstruction						
Level of Evidence	Level III	Level III						
Authors/Financial D	isclosures							
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Submission ID	05-01192 Ref ID Sci-1192						
Title	SPECT/CT Diagnostic Accuracy in Total Ankle Arthroplasty Revision						
Submit Date	10/15/2024						
Correspondent	Last Name: Full Name: Practice/Compa	Luettgen Sarah ny/Residency	/ Program:	Email: Swedish Med	sunfish01@gr ical Center	nail.com	
Authors	Author 1: Author 3: Author 5: Author 7:	Chloe Mullig Jeffrey Christ	an, DPM tensen, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Sarah Luettge:	n, DPM	
Purpose	To determine the the imaging find	e accuracy of lings to the in	SPECT/CT results for unexpla atraoperative findings during su	iined pain after t rgical revision.	otal ankle arthro	plasty (TAA) by comparing	
Methodology	A retrospective review of SPECT/CT results from 2014 to 2023 in patients who underwent TAA and ultimately underwent revisional surgery. The results of the SPECT/CT were compared to the intraoperative findings from the operative notes to determine the accuracy of the imaging results. All patients underwent TAA with one surgeon and all SPECT/CTs were performed at the same imaging center.						
Procedures							
Results	There was a total of 41 SPECT/CTs (39 patients) for unexplained pain after TAA. The findings were categorized into four groups; 1) aseptic loosening, 2) osteolysis, 3) gutter impingement and 4) other findings. SPECT/CT correlated with intraoperative findings in 7/7 (100%) of cases that had aseptic loosening, with 11/17 (65%) of cases with osteolysis, and 21/21 (100%) of cases with gutter impingement.						
Discussions	To date this is the largest retrospective review of SPECT/CT results compared to surgical findings in TAA. This demonstrates SPECT/CT can be a useful diagnostic tool to identify the pathology behind unexplained pain that cannot be clearly identified by other imaging modalities. In TAA this includes impingement, loosening, subsidence, and osteolysis. It can also be useful in diagnosing periprosthetic fractures and adjacent joint pathologies. The results of the study show that SPECT/CT is an important diagnostic tool in clinical management and surgical revision planning of unexplained pain after TAA.						
Format	Scientific						
Case Rpt Followup							
Student Club							
Classification	Rearfoot and Ankle Reconstruction						
Level of Evidence	Level IV						
Authors/Financial Di	sclosures						
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):	
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			Grant/Research funding			Clinical Site Director for Paragon 28	

Submission ID	05-01195				Ref ID Sci-1195				
Title	Ultrasound Grading of Plantar Plate Injuries and Correlation with Surgical Intervention								
Submit Date	10/14/2024								
Correspondent	Last Name:	Aslam							
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	Practice/Comp	any/Residenc	y Program:	Loyola Unive	rsity Medical Center				
Authors	Author 1:	Mohammed	Y. Aslam, DPM	Author 2:	Katherine Dux, DPM, FACFAS				
	Author 3:	Bryn Laubao	cher, DPM, FACFAS	Author 4:	Emad Allam, MD				
	Author 5:			Author 6:					
	Author 7:			Author 8:					
Purpose	Plantar plate in toe alignment a patient's level (greater than 50 necessity for su	Plantar plate injuries are a common cause of forefoot pain and can lead to functional instability. The plantar plate maintains toe alignment and supports the metatarsophalangeal joint. The decision to pursue surgical correction will vary on the patient's level of pain and extent of deformity. Plantar plate tears may be low-grade (less than 50% thickness) or high grade (greater than 50% thickness). This study aims to evaluate whether the extent of plantar plate tarc correlates with the necessity for surgical intervention to optimize treatment strategies based on tear grade and intervention.							
Methodology	A retrospective review of 54 patients with ultrasound-confirmed plantar plate tears was conducted by review of medical records. A musculoskeletal ultrasound-trained radiologist classified tears as low-grade or high-grade. Treatment (non-surgical or surgical) was recorded for each patient.								
Procedures									
Results	Of the 54 patie required surger between tear g	nts, 23 demo ry, while 11 h rade and treat	nstrated low-grade tears, while 3 igh-grade tear patients required s ment ($p = 0.246$).	1 demonstrated surgery. Chi-Squ	high-grade tears. 4 low-grade tear patients lare analysis showed no statistical association				
Discussions	The grade of the that treatment s	The grade of the plantar plate tear does not correlate with need for surgical intervention. These findings support the idea that treatment strategies should be influenced by pain and level of disability.							
Format	Scientific								
Case Rpt Followup									
Student Club									
Classification	Forefoot Recor	Forefoot Reconstruction							
Level of Evidence	Level IV								
Authors/Financial Di	isclosures								
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-01215		Ref ID Sci-1215					
Title	Bacteriology of Microbes Cultured in Cases of Lower Extremity Infection and Associated Patient Outcomes							
Submit Date	10/14/2024							
Correspondent	Last Name: Richline Full Name: Meghan		Email: meg.richline@)gmail.com				
	Practice/Company/Residence	cy Program:	LECOM Podiatric Medicine	and Surgery Residency				
Authors	Author 1: Meghan Ric	hline	Author 2:					
	Author 5:		Author 6:					
	Author 7:		Author 8:					
Purpose	Bacterial infections leading to lower extremity osteomyelitis, abscesses, and gas gangrene are commonly considered polymicrobial, often involving staphylococcus and streptococcus species. This study examines bacterial cultures from these cases and their antibiotic susceptibilities along with patient outcome.							
Methodology	Records of patients presenting with a lower extremity abscess, gas gangrene, and/or acute osteomyelitis were included in this research. Excluded were those with abscess, gas gangrene, and/or acute osteomyelitis secondary to foreign body or recent elective surgery. Also excluded were those with chronic osteomyelitis or those whose cultures did not grow anything.							
Procedures								
Results	There was a more diverse ra clostridium in the cultures. ' and Anaerococcus. The mos enterococcus faecalis, Group population in comparison to	nge of species grown in cases inv The most common anaerobic bact t common aerobic bacteria seen v p B streptococcus, and Escherich other antibiotics tested.	volving osteomyelitis. No case eria seen in all cases were Fin vere Staphylococcus aureus (N a coli. Clindamycin resistance	s with gas gangrene produced egoldia magna, Prevotella sp., (ISSA), (then MRSA, was most prevalent in this				
Discussions	The majority of cases exhibited polymicrobial nature, with gas gangrene and osteomyelitis cases displaying the most diverse cultures. Additionally, this study identified several unique bacteria with limited documentation in lower extremity infections. Further investigation could explore correlations between lifestyle factors, wound location, and cultured bacteria in infected wounds, shedding light on potential predisposing factors.							
Format	Scientific							
Case Rpt Followup								
Student Club								
Classification	Wound Care/Infectious Diseases							
Level of Evidence	Level III							
Authors/Financial Di	sclosures							
Full Name:	Email:	Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-01220 Ref ID								
Title	The Role Treatmen	The Role of Bone Culture and Bone Histopathology Specimen in the Diagnosis and Treatment of Osteomyelitis after Pedal Level Amputations							
Submit Date	10/14/2024	10/14/2024							
Correspondent	Last Name:	Kozeny							
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	Practice/Com	pany/Residenc	y Program:	Loyola Unive	ersity Medical Center				
Authors	Author 1:	James Kozer	ny	Author 2:	Jennifer Busser, DPM, AACFAS				
	Author 3: Francis J. R		ottier, DPM, FACFAS	Author 4:					
	Author 5:			Author 6:					
	Author 7:	Author 7:							
Purpose	Literature lacl wide variation study investig analyzed how	Literature lacks a clear consensus on recommendations for detecting and demonstrating resolution of infections. There is a wide variation of surgeon preference and decision making to obtain cultures to guide treatment following infections. This study investigated the microbiology and histopathology of clearance fragments following pedal-level amputations. We analyzed how the results impacted antibiotic therapy.							
Methodology	A retrospective review of veterans who underwent pedal level amputations between July 2019 and July 2022 was performed after IRB approval. We excluded patients treated with antibiotics for conditions unrelated to their pedal infection. 113 charts were reviewed and 84 veterans requiring 114 amputations met the inclusion criteria. Results of the clearance fragments and antibiotic treatment course were evaluated.								
Procedures									
Results	47.36% of study participants had microbiology specimens submitted and 93.85% had histopathology submitted. 45.6% of participants had both specimens submitted. Both specimens were negative in 34.6% of cases. Both were positive in 11.5% of cases. 51.9% had positive microbiology and negative pathology. 1.9% had negative microbiology and a positive pathology result. The mean duration of antibiotic therapy for double positive specimens was five weeks. Treatment duration was three weeks for positive microbiology with negative histopathology, and 1.8 weeks for double negative clearance fragments.								
Discussions	The results of microbiology and histopathology clearance fragments influenced the length of antibiotic therapy. Further investigation of patients with positive microbiology and negative histopathology is warranted, since our data suggests likely contamination of clearance fragments from surrounding soft tissue and contaminated instrumentation may be leading to unnecessary antibiotic exposure.								
Format	Scientific	Scientific							
Case Rpt Followup									
Student Club									
Classification	Wound Care/Infectious Diseases								
Level of Evidence	Level III								
Authors/Financial D	isclosures								
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FACFAS

Submission ID	05-01235 Ref ID Sci-1235							
Title	Assessment of Radiation Exposure in Podiatric Surgery: How Much Does Lead Really Protect You in Foot and Ankle Surgery From Intra-op Fluoroscopy?							
Submit Date	10/15/2024							
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	Practice/Comj	pany/Residency	Program:	Emory Unive Program	rsity School of Medicine Podiatric Residency			
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	Author 3:	Ayanda D. Du	ibe, DPM	Author 4:	Neil S. Upadhyay, DPM			
	Author 5:	Shivani J. Pate	el, DPM	Author 6:	Kiara E. Francis, DPM			
	Author 7:	Joshua C. Mag	gno, DPM	Author 8:	Angela S. Moon DPM			
Purpose	The purpose o surgery. To un	The purpose of this study is to evaluate the amount of radiation exposure from intra-operative fluoroscopy during podiatric surgery. To understand the protective effects of lead from primarily mini C-arm radiation during podiatric surgery.						
Methodology	Two monthly dosimetry badges were applied to one lead jacket used by podiatric surgeons. One dosimeter was applied to the front of the lead, unshielded from radiation (UD). The other dosimeter was applied to the inside of the lead, shielded from the radiation (SD). The monthly exposures of the badges were recorded and surgical procedures within the month noted.							
Procedures								
Results	All surgeries completed within the month while wearing the lead with the Dosimetry badges were noted, and the monthly exposure was recorded for both badges. This was performed over a period of 12 months whereupon statistical analysis was utilized to compare the exposure from both badges as well as a control badge kept away from radiation. The goal is to assess radiation exposure as well as lead protection in podiatric cases.							
Discussions	The effects of radiation on the human body have been well-researched; however, not when it comes from intra-operative fluoroscopy during surgery. It is known that scatter radiation from mini c-arm is low. The need for intra-operative fluoroscopy is essential to perform precise podiatric surgery, which is commonly performed with mini c-arm. We set out to explore total radiation exposure to a podiatric surgeon and how much the utilization of lead contributes to shielding within podiatric surgery.							
Format	Scientific							
Case Rpt Followup								
Student Club								
Classification	Epidemiology/Population Study							
Level of Evidence	Level II	Level II						
Authors/Financial D	isclosures							
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Submission ID	05-01245			Ref ID Sci-1245				
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Title	Tibiotalocalcaneal National Survey	Fibiotalocalcaneal Arthrodesis Experience Among Podiatric Reconstruction Fellows: A National Survey						
Submit Date	10/14/2024							
Correspondent	Last Name: Chauhan Full Name: Dhavel Ch Practice/Company/Reside	auhan, DPM, AACFAS ncy Program:	Email: Dallas Advan	dhavelc@gmail.com ced Foot and Ankle Reconstruction Fellowship				
Authors	Author 1: Dr. Dhave Author 3: Author 5: Author 7:	Chauhan, DPM, AACFAS	Author 2: Author 4: Author 6: Author 8:	Dr. Calvin J. Rushing, DPM, FACFAS				
Purpose	This study aims to investi and ankle fellows during t variations in case volume,	gate trends in surgical training for he 2024-2025 academic year. Wit intraoperative and postoperative	tibiotalocalcane th the increasing protocols, and fe	al (TTC) arthrodesis among reconstructive foot number of fellowships, understanding ?llows' confidence is essential.				
Methodology	A survey was distributed t gathered data on expected anticoagulant usage. Statis performed during residence	 o 70 reconstructive foot and ankle case volume, techniques utilized, tical t-tests were employed to con y. 	e fellows, achiev , and postoperativ mpare anticipated	ing a 28.6% response rate (n=20). The survey ve protocols, including antibiotic and d TTC volumes in fellowship to those				
Procedures								
Results	Survey results indicated th residency (average 8.25) a variability, particularly in	at 55% of fellows expect an incre nd anticipated fellowship cases (a antibiotic regimens, and 90% of f	ease in TTC case average 11.65, p fellows reported u	volume, with significant differences between < 0.001). Postoperative protocols showed using anticoagulation routinely.				
Discussions	The findings reflect an every procedures and improved guidelines. Future researc safety, contributing to enh	olving landscape in podiatric fello confidence among fellows. Varial a should focus on long-term outco anced educational strategies in T	owship training, e bility in antibiotic omes of fellowsh IC arthrodesis.	emphasizing increased exposure to complex c protocols highlights the need for standardized ip training on surgical competence and patient				
Format	Scientific							
Case Rpt Followup	12							
Student Club								
Classification	Rearfoot and Ankle Record	struction						
Level of Evidence	Level V							
Authors/Financial Di	sclosures							
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Submission ID	05-01246			Ref ID Sci-1246
Title	IOFix TM with Plate bunionectomy proc	construct is similar to le edure outcomes	ocking plate	construct for Lapidus
Submit Date	10/14/2024			
Correspondent	Last Name: Saxena Full Name: Amol, Saxe Practice/Company/Resident	na, DPM, MPH, FACFAS cy Program:	Email: Extremity Medi	heysax@aol.com cal, LLC
Authors	Author 1: Amol Saxer Author 3: Author 5: Author 7:	ıa	Author 2: Author 4: Author 6: Author 8:	
Purpose	Case-control study to evalue procedure compared to the	ate traditional locking plate and p IOFix [™] and plate construct.	antar lag screw c	construct for the Lapidus bunionectomy
Methodology	Patients from one surgeon's equal number of patients (2 the IOFix and plate constru- >8° or Hallux Abductus and isolated IOFix construct wit Statistical analysis was perf set at 95% Confidence Inter	practice (2014 to 2022) that unde 3) having the locking plate with p ct. Outcome measures were incide gle > 20°), hardware removal and thout plate in the intervention gror formed (Excel ™ and STAT SAK ³ val and P<0.05.	erwent the Lapidu lantar lag screw v ence of non-unior AOFAS Hallux s up and those with ^M), with two-taile	as procedure as a non-inferiority study. An were evaluated and compared to those having h, loss of correction (1st Intermetatarsal angle core. Excluded were patients who only had only plate fixation in the control group. ed T-test and Chi squared, with significance
Procedures				
Results	There were 23 patients in th unions or revisions due to le (26%) versus control, 3 (13 (P<0.0001). There was no d P=0.83) and post-operativel	te IOFix™ and 23 controls, with r pss of correction in either group. I %) groups, (P=0.46). Post-operati lifference between the IOFix™ an y, (95% CI, -1.4 to 5.2, P=0.26).	to difference in a Hardware remova ve AOFAS score: d control groups	ge (P=0.21). There were no infections, non- l was not significant between the IOFix TM , 6 s improved significantly in both groups both pre-operatively, (95% CI, -2.6 to 0.8,
Discussions	This study of 23 patients sh plate and lag screw for the l	ows IOFix 2.0™ is an equivalent, Lapidus procedure.	effective and no	n-inferior fixation technique compared to
Format	Scientific			
Case Rpt Followup	18			
Student Club				
Classification	Forefoot Reconstruction			
Level of Evidence	Level III			
Authors/Financial Di	isclosures			
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Submission ID	05-01255					Ref ID Sci-1255
Title	Intraoper pinning i	ative fract n total ank	ture rate with versus wi le arthroplasty	ithout medi	al malleola	r prophylactic
Submit Date	10/15/2024					
Correspondent	Last Name:	Lanoue				
-	Full Name:	Mary K Lan	oue, DPM PGY-3	Email:	maryklanoue@)gmail.com
	Practice/Com	pany/Residenc	ey Program:	Highlands-Pre Program	esbyterian/St. Lu	ıke's Podiatry Residency
Authors	Author 1:	Mary K Lan	oue DPM	Author 2:	Kira Cramer I	DPM
	Author 3:	Alan Ng DP	M	Author 4:	Ronnie Pollaro	d DPM
	Author 5:	Brett Sachs I	DPM	Author 6:		
	Author 7:			Author 8:		
Purpose	Intraoperative rate of intraop	e fracture is a c perative fractur	common complication during tota re with and without prophylactic	al ankle arthropl pinning of the r	asty. The goal o nedial malleolus	f this study is to evaluate the s in total ankle arthroplasty.
Methodology	A retrospectiv were included patients with	ve case series o d in this study. out postoperativ	of a single surgeon was performe Patients were excluded if they have radiographs. Outcome measure	d from Decemb ad less than 12 r res included rate	er 2012 to Nove nonths follow-u e of intraoperativ	mber 2023. Eighty-six patients p, total talus replacement, and ve and postoperative fractures.
Procedures						
Results	In this study (34.88%) pat traumatic arth patients with higher in pati distance was patients with	of 86 total ankl ients had no pir nritis 8 (9.3%), out pinning was ents without pi 11.57 mm. The an intraoperation	le replacements, 56 (65.12%) pat nning. Preoperative diagnoses in aseptic loosening 1 (1.2%), and s 16.67% (5/30) and 0% (0/56) i inning (10.0%, 3/30) compared t i sithmus distance in the patients ve fracture (10.96 mm).	ients underwent cluded end stag non-union 1 (1. n patient with pi o with pinning (without an intra	t prophylactic m e OA 64 (74%), 2%). The rate of inning. The post 0.0%). The aver apperative fractu	edial malleolar pinning and 30 failed TAR 12 (14%), post- f intraoperative fractures in operative fracture rate was age medial malleolar isthmus ire (11.61 mm) compared to
Discussions	We demonstr arthroplasty. patients with group. In con total ankle ar	ated the import The rate of intra pinning. In our clusion, prophy throplasty.	tance of prophylactic medial mal aoperative fractures was higher i r study, there was a trend toward ylactic medial malleolar pinning	leolar pinning to in patients withors a smaller medi should be consi	o prevent intraop out pinning at 16 ial malleolar isth dered to preven	perative fractures in total ankle 6.67% compared to no cases in mus distance in the fracture t intraoperative fractures in
Format	Scientific					
Case Rpt Followup	12					
Student Club						
Classification	Rearfoot and	Ankle Reconst	truction			
Level of Evidence	Level III					
Authors/Financial Di	sclosures					
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Submission ID	05-01258 Ref ID Sci-125							
Title	Mortality Rate	Mortality Rate of Open Ankle Fractures in Geriatric Patients						
Submit Date	10/15/2024							
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Purpose	Geriatric open ankle f limited. Current resea profound need for add	fractures urch lacks ditional re	can have direct impact on life. follow-up longevity beyond 3 esearch to better understand th	Existing literat 0 days and has e overall morta	ure on geriatric open ankle fracture mortality is reported on small patient volumes. There is a lity rates associated.			
Methodology	A retrospective review years of age) who sus January 2012-January	A retrospective review was conducted to determine mortality rates up to 5 years post-operatively in geriatric patients (>65 years of age) who sustained an open ankle fracture. A single facility within the system was selected for data collection from January 2012-January 2018. Simple summary statistics were used for analysis.						
Procedures								
Results	75 patients were ident records. 3 patients die years. 3 died between a 95% confidence inte	tified and ed within 12-5 year erval (1.0	reviewed. 17 patients (22.67% 30 days of their surgery. 3 die s. The average time to death ir (7, 4.10).	6) had a docum d between 90 d n years was 2.59	ented date of death in the electronic health ays and 6 months. 3 died between 1 and 2 9 with a mean standard deviation of 2.94 under			
Discussions	Our study is ongoing analysis, including ide preliminary results ill This highlights the im their families.	Our study is ongoing with plans to obtain federal death records for a more detailed interpretation of mortality rates. Further analysis, including identification of patient specific factors related to mortality, will be made at the study's conclusion. Our preliminary results illustrate at least a 17.33% mortality rate within 5 years of sustaining a geriatric open ankle fracture. This highlights the importance of provider driven goals of care discussions for informed decision making with patients and their families						
Format	Scientific							
Case Rpt Followup								
Student Club								
Classification	Epidemiology/Popula	ation Stud	ly					
Level of Evidence	Level II							
Authors/Financial Di	isclosures							
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Submission ID	05-01259				Ref ID Sci-1259
Title	A prelimi post-oper	nary study ative cours	y: Is oral anti-coagulati se for primary traumas	on over-uti s?	lized for DVT prophylaxis in the
Submit Date	10/15/2024				
Correspondent	Last Name: Full Name:	Shao Zhisheng Sh	uao, DPM	Email:	zhisheng.shao@obhny.org
	Practice/Com	pany/Residenc	ey Program:	One Brookly	n Health Systems
Authors	Author 1: Author 3: Author 5: Author 7:	Zhisheng Sh Parmvir Deo Peter Mollic	aao, DPM o, DPM a, DPM	Author 2: Author 4: Author 6: Author 8:	Nison Basalilov, DPM Tyler Miranda, DPM
Purpose	DVT prophys attempts to se question if po	alxis considerat et the groundwo ost-operative pr	tions are often viewed as crucial ork for establishing guidelines for ophylaxis is over-utilized.	in the surgical or post-operative	management of podiatric traumas. This study e prophylaxis and attempts to answer the
Methodology	Retrospective across the tim Exclusion cri	e chart review v ne frame of 201 teria for this stu	was conducted through Brookdal 5-2022 who underwent "ankle f udy was any evidence of incomp	le Hospital Med racture", "achil lete or absent n	ical Center Medical Records to assess patients les tendon rupture repair", and "foot trauma". nedication list and non-traumatic procedures.
Procedures					
Results	15 patients w excluded due BID vs 81mg prophylaxis. medications v	ere included in to non-traumat BID for 6 wee 1/15 (6.7%) we were continued	the final analyses. 1 patient was tic procedure. Of these, 4/15 (26 ks). Among all patients, podiatr re already started on DVT propl through surgery. 0/19 (0%) pati	s excluded due t .7%) were start ic procedures w hylaxis for exist ents developed	o absent medication list, 5 others were ed on DVT prophylaxis (325mg daily vs 41mg ere not documented to have utilized DVT ting medical conditions and so these DVT in the post-operative course.
Discussions	This prelimin Over-prescrib mobilization	ary study sugg bing oral DVT j and frequent fo	ests that aspirin alone may be su prophylaxis even in the setting o ollow-ups in the immediate post-	fficient in the p f traumas may operative cours	ost-operative course for DVT prophylaxis. overshadow the importance of passive e to curb DVT and VTE.
Format	Scientific				
Case Rpt Followup					
Student Club					
Classification	Trauma				
Level of Evidence	Level II				
Authors/Financial Di	sclosures				
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Submission ID	05-01279				Ref	ID Sci-1279
Title	Re-operat Rotation	tion Rate o Ankle Frac	f Pronation External R cture Patterns	otation ve	rsus Supination Exter	nal
Submit Date	10/15/2024					
Correspondent	Last Name: Full Name: Practice/Com	Kiefer Brooke E. K pany/Residenc	iefer DPM y Program:	Email: Atrium Healt	bkiefer@wakehealth.edu n Wake Forest Baptist	
Authors	Author 1: Author 3: Author 5: Author 7:	Brooke E. K Lindsay K. I Cody Blazek	iefer DPM LeSavage DPM z DPM	Author 2: Author 4: Author 6: Author 8:	Stephen K. Polacek DPM Joni Evans MS Nicholas Powers DPM, FAC	FAS
Purpose	Pronation Ext (SER) pattern which can lea PER vs SER t	ernal Rotation s. Patients with d to further sur fracture pattern	(PER) ankle fracture patterns are n rotational ankle fractures are pr rgical intervention. The purpose of is as well as demographic charact	e relatively rare edisposed to do of this study wa teristics.	compared to Supination Exter evelopment of post-traumatic a is to investigate reoperation rat	rnal Rotation nkle arthritis, res influenced by
Methodology	A retrospectiv fractures betw PER were inc	e chart review een January 1, luded. Demogr	was conducted to identify the re- 2013 and January 1, 2018. 113 praphic characteristics influencing	operation rate operat	of patients who underwent ORI derwent ORIF with a fracture p were also investigated.	F for ankle pattern of SER or
Procedures						
Results	Overall reope PER group (n fracture patter was a statistic more females	ration rate was =27), the avera in regards to ally significant and elderly pa	13.3%. Among the SER group (age reoperation rate was 14.8%. It the reoperation rate or the time f t difference in weight and BMI at tients were found to have SER fr	n=86), the aver No statistical si from the initial ssociated with acture patterns	age reoperation rate was 12.8% gnificance was found between surgery to the second surgery. higher likelihood of reoperatio	%. Among the SER or PER However, there n. Additionally,
Discussions	This is the first statistically si on the need for fractures.	st study to our gnificant differ or further opera	knowledge specifically addressin rence was found in reoperation ra ttion. This review may help guide	g reoperation to ttes between partient expect	ates following these injury pat tterns. Patient demographics d ations during operative treatm	terns. No id have influence ent for ankle
Format	Scientific					
Case Rpt Followup						
Student Club						
Classification	Trauma					
Level of Evidence	Level III					
Authors/Financial Di	sclosures					
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Submission ID	05-01288				Ref ID Sci-1288		
Title	A Multicenter, Prospe Axoguard Nerve Cap	ective, Randomized an and Neurectomy for t	d Subject the Treatm	Blinded Co ent of Symp	mparative Study of otomatic Neuroma		
Submit Date	10/15/2024						
Correspondent	Last Name: Thomajan						
	Full Name: Craig H. Thon	najan, DPM, FACFAS, FAENS	Email:	craig.thomajan	@stridecare.com		
	Practice/Company/Residency	Program:	Austin Foot a	nd Ankle Special	ists		
Authors	Author 1: Craig Thomaja	an, DPM, FACFAS, FAENS	Author 2:	Carl Van Gils,	DPM, FACFAS, FAENS		
	Author 3: John Sigle, DF	PM, FACFAS	Author 4:	Ryan Pereira, I	DPM, FACFAS		
	Author 5: Kelly John, DI	PM, MHA, FACFAS, DABPM	Author 6:	Kazuto August	us, DPM		
	Author 7: Alan Garrett, I	OPM, FACFAS	Author 8:	James Anderso	n, DPM		
Purpose	Nerve injuries causing axonal formation is a known complic recurrence of pain. This multi (Axoguard Nerve Cap®) to sta foot and ankle, where neuromatic	disruption can lead to neuroma ation. While neurectomy can al center, prospective, randomizec andard-of-care neurectomy eva as are prevalent.	formation. In leviate painful l, subject-blind luating recover	the case of free f neuromas, up to ed study compar y and symptom	lap harvests, neuroma 37% of patients report ed a novel nerve cap ecurrence in neuromas in the		
Methodology	Eighty-four adults underwent controls. Subjects were follow and patient-reported outcomes	Eighty-four adults underwent surgery: 41 received neurectomy followed by nerve cap, and 43 underwent neurectomy as controls. Subjects were followed for one year. Evaluations included visual analog scale (VAS) for pain, medication usage, and patient-reported outcomes (PROMIS® and FHSQ). Statistical testing was determined using t-tests.					
Procedures							
Results	Primary endpoint VAS pain re subjects pain free at 12 month 0.12) than neurectomy (0.187 Behavior and FHSQ General 1 higher VAS pain at 12-months	duction compared to neurecton s (vs 48.3%, p=0.051). Total re \pm 0.22, p=0.04. Nerve cap subj ?oot Health scores, with trends compared to baseline.	ny was met (p= ported pain (A) ects demonstra in reduced mee	0.01, non-inferio UC, scale 0-1) w ted greater impro lication use. One	with 76.9% of nerve cap as lower in nerve cap ($0.104 \pm$ ovement in PROMIS Pain e neurectomy subject reported		
Discussions	Pain scores and medication us in PROMIS and FHSQ scores model, these results are genera	Pain scores and medication usage indicated clinical benefits for pain reduction and foot health. Additionally, improvement in PROMIS and FHSQ scores indicate reduction in external manifestations of pain. While this study used a foot and ankle model, these results are generalizable for painful neuroma throughout the body.					
Format	Scientific						
Case Rpt Followup	12						
Student Club							
Classification	Neurological/Peripheral Nerve	Disorders					
Level of Evidence	Level I						
Authors/Financial Di	sclosures						
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Submission ID	05-01290 Ref ID So								
Title	Evaluatin Lengthen	Evaluating Graft Subsidence and Radiographic Outcomes in Evans Lateral Column Lengthening with Staple Fixation							
Submit Date	10/15/2024								
Correspondent	Last Name: Full Name: Practice/Com	igbinigie Nicholas A. pany/Residen	Igbinigie, DPM cy Program:	Email: HCA Housto	nigbinigie31@gmail.com n Healthcare, West				
Authors	Author 1: Author 3: Author 5: Author 7:	Nicholas Ig	binigie, DPM	Author 2: Author 4: Author 6: Author 8:	Patrick Briggs, DPM				
Purpose	The study is a augmentation	imed to evalu and staple ha	ate bone graft resorption o rdware fixation. Radiograp	ver time in patients w bhic correction and co	ho underwent the Evans procedure with graft mplication rates were also assessed.				
Methodology	A retrospectiv procedure bet cuboid abduct	ve review was ween 2020 an tion angle. Co	performed on 34 patients d 2024. Radiographic asse mplications such as graft s	(13 males, 21 females ssments included calc ubsidence, infection,	; mean age 55.7 years) who underwent this caneal pitch, talar-first metatarsal angle, and and hardware failure were recorded.				
Procedures	N/A								
Results	Fourteen patie postoperative operative ang subsidence wa	ents (13% bila improvement le of 23.7°, im as observed du	teral) were included, with s mainly focusing on cubo mediate post-operative of uring follow-up, with two	a mean follow-up of id abduction angle wh 10.2°, to final mean f cases of hardware irri	6 months. Radiographs showed significant hich showed a mean correction from pre- follow-up of 9.3° (p < 0.001). Minimal graft tation requiring removal.				
Discussions	Staple hardwa subsidence an this approach.	are fixation in 1d significant 1	Evans procedures provide adiographic improvement	s reliable stabilization s. Long-term studies a	n for bone grafts, resulting in minimal graft are needed to further evaluate the durability of				
Format	Scientific								
Case Rpt Followup	0								
Student Club									
Classification	Rearfoot and	Ankle Recons	truction						
Level of Evidence	Level III								
Authors/Financial D	isclosures								
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-01303				Ref ID Sci-1303			
Title	Validatio	Validation of a patient expectations survey for bunion surgery						
Submit Date	10/15/2024							
Correspondent	Last Name: Full Name:	DeLestry Daniel, J, DeLestr	ry, DPM	Email:	ddelestry@gmail.com			
	Practice/Cor	npany/Residency Pro	gram:	Advocate Illi	nois Masonic Medical Center			
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	Author 3:	Quinn Landoch, M	4S	Author 4:	Adam Fleischer, DPM, MPH			
	Author 5:			Author 6:				
	Author 7:			Author 8:				
Purpose	It is estimate expectations available tha patient expec survey.	d that as many as 10 ^o are believed to play t helps to understand ctations survey by loc	% of patients are not ful a significant role in pos expectations of patients oking at the psychometr	ly satisfied follow toperative satisfact s contemplating bu ic properties (valid	ing hallux valgus surgery. While patient tion, there is not a validated survey instrument union surgery. This study aimed to validate a dity and reliability) of a newly developed			
Methodology	Fifty patient	s contemplating buni	on surgery were survey	ed.				
Procedures								
Results	When measu scale" had a content valic interviews. A their edema felt pain relia felt it would	ring internal consiste Cronbach's alpha of ity and were found to dequate construct va- to be resolved in 6-8 of was the most impo- take greater than 12	ney, the "cosmesis scal 0.72 demonstrating goo o contain relevant quest lidity was demonstrated weeks after surgery and rtant factor, 50% felt th weeks to return to a hig	e" had a Cronbach d reliability of bot ions from the targe d with hypothesis t expected to return ey would return to h heel.	I's alpha of 0.74, while the "pain and function h survey scales. Survey items demonstrated et population's perspective via cognitive testing. Patients who valued cosmesis expected a to high heels in 10-12 weeks. In people who their pre-surgery activity level in 6-8 weeks but			
Discussions	We conclude bunion surge expectations	that the patient expe ry. Implementation o , and lead to more pro-	ctations survey may be f the survey may impro edictable patient satisfac	a reliable, valid in ve dialogue during ction.	strument for use in patients contemplating g preoperative visits, manage unrealistic			
Format	Scientific							
Case Rpt Followup								
Student Club								
Classification	Epidemiolog	y/Population Study						
Level of Evidence	Level III							
Authors/Financial D	Disclosures							
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):			
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Submission ID	05-01310				Ref ID Sci-1310
Title	Use of Fe the Limit	moral Hea s on Allogr	d Allograft for La aft Size	rge Bone Defici	ts in First Ray Surgery: Pushing
Submit Date	10/15/2024				
Correspondent	Last Name: Full Name: Practice/Com	Moon Angela S Mo pany/Residenc	oon DPM y Program:	Email: Emory Unive	angelamoon19@gmail.com ersity School of Medicine
Authors	Author 1: Author 3: Author 5: Author 7:	Angela Moo Chandler Lig Ayanda Dub	n DPM gas DPM FACFAS e DPM	Author 2: Author 4: Author 6: Author 8:	Madeline Boyle DPM Thomas Brosky DPM FACFAS
Purpose	This is a retro segmental bo	spective case s ne defects with	series review of femoral h	ead allograft combine	d with bone marrow aspirate in the treatment of
Methodology	A retrospectiv surgeries wer bone defects surgical inter patient.	ve chart review e included if th within the first vention. Primar	was conducted by the ser ere was femoral head allo ray. Exclusion criteria we ry outcomes measured we	nior authors of the inv ograft used as structur rre if patients had ano re length of follow up	restigation from 2011-2024. All first ray al bone support for the treatment of segmental ther type of allograft or autograft used during b, time to weightbearing, time to union, age of
Procedures					
Results	From 2011-20 allograft in set the longest for union was 10 patient that w	024 a total of 2 egmental bone o llow up time b .6 weeks. Theo as a heavy smo	0 cases were reviewed of defects. The average leng eing more than 8 years. A e was no evidence of subs oker.	surgeries within the f th of follow up time v verage length of graft idence in our patient	irst ray that used structural femoral head vas more than 12 months for all patients, with needed was 1.9 cm. The average length to population. We had one delayed union due to a
Discussions	Several studio our findings s the first ray w viable option	es have evaluat suggest that fen vith success. Th	ed the use of structural all noral head allograft comb herefore, consideration of	lograft for segmental ined with bone marro this adjunct for surgio	bone defects with good results. The results of w aspirate can be used in large bone defects of cal repair of bone defects of the first ray is a
Format	Scientific				
Case Rpt Followup	12				
Student Club					
Classification	Forefoot Rec	onstruction			
Level of Evidence	Level IV				
Authors/Financial Di	isclosures				
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Submission ID	05-01311				Ref ID Sci-131	11		
Title	Minimally	Minimally Invasive Hallux Abducto Valgus Fixation Standardization						
Submit Date	10/15/2024							
Correspondent	Last Name: Full Name: Practice/Comp	Nolte Victoria M. N pany/Residency	lolte, DPM, MS Program:	Email: Certified Foot	nolte.dpm@gmail.com & Ankle Specialists LLC			
Authors	Author 1: Author 3: Author 5: Author 7:	Victoria M. Nolte, DPM, MS Author 2: Joshua . Craig J. Breslauer, DPM, FACFAS Author 4: Ashley Kyle J. Kinmon, DPM, MS, FACFAS Author 6: Author 8:			Joshua A. Sebag, DPM, FACFAS Ashley L. Bowles, DPM, FACFAS			
Purpose	Evaluate diffe efficiency and	rent fixation teo standardization	chniques in extra-capsular minin n based on radiographic IM ang	mally invasive o le.	orrection of hallux abducto valgus for			
Methodology	Retrospective underwent min healing based	analysis over 1 nimally invasiv on improvemen	2 months of 50 patients without e transverse osteotomy approac nt of IM angle.	t significant cor h to HAV corre	norbidities from a two surgeon database who ction, their fixation construct and osseous			
Procedures								
Results	Standardizatio improvement	on of mild IM a utilizing two sc	ngle improvement utilizing a sto rew fixation allows operative et	emmed intrame fficiency.	dullary device and moderate to severe IM ang	ţle		
Discussions	Minimally invasive surgical (MIS) approaches in orthopedic surgery began and dissipated in 1980's with lack of viable long-term patient improved outcomes. With the addition of flouroscopic guidance, MIS techniques have become more popular in the 2000's with current techniques becoming more popular over the past ten years. There is currently a lack of fixation construct standardization with an extra-capsular approach of transverse osteotomy HAV correction. We have found prooperative evaluation of fixation construct based on IM angle allows for efficiency during surgery, where further invasting in a quority in is a viable proceetive evaluation.							
Format	Scientific							
Case Rpt Followup								
Student Club								
Classification	Forefoot Reco	onstruction						
Level of Evidence	Level IV							
Authors/Financial Di	sclosures							
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):			
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Submission ID	05-01314					Ref ID Sci-1314			
Title	Interim 1 and Patie Hallux Va Early We	-Year Analysis nt-Reported Ou algus Correction ightbearing	of a Prospective M utcomes Followin n through 3rd, 2n	Multicenter g Combined Id, and 1st 7	Study Assess d Metatarsus Farsometatar	ing Radiographic Adductus and sal Arthrodesis with			
Submit Date	10/15/2024								
Correspondent	Last Name: Full Name: Practice/Com	Dayton Paul D Dayton, DP pany/Residency Prog	M, MS, FACFAS ram:	Email: Foot & Ankle	daytonp@iclou e Center of Iowa	d.com			
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	Author 5: Author 7:	Daniel J Hatch, DP Barry White DPM	M, FACFAS FACFAS	Author 6: Author 8:	Cesar De Cesar Paul Steinke D	Netto, MD PM_FACFAS			
Purpose	This study ev	aluated the clinical, ra al (TMT) arthrodesis	adiographic, and patient- for correction of combin	reported outcon ed hallux valgu	nes in patients und s with metatarsus a	ergoing instrumented 3-2-1 adductus (MTA) deformities.			
Methodology	This is an inter- cut guides for hole locking two weeks. C MOxFQ, and	This is an interim analysis of a prospective multicenter study on patients with symptomatic HV and MTA treated utilizing cut guides for angular correction arthrodesis of the 2nd and 3rd TMT and first ray correction at the 1st TMT. Titanium 4- nole locking plates were utilized for fixation at each joint. Patients were allowed to weightbear in a fracture boot within wo weeks. Outcomes included radiographic correction of the HV and MTA deformities, patient-reported outcomes (VAS, MOxFQ, and PROMIS-29), and clinical complications.							
Procedures									
Results	Thirty-eight J 12-month vis days and 3.7 angle, and os were maintain that required	batients (mean [range] its. Mean (95% CI) tin (3.4, 4.1) months, resp seous foot width were ned through 12 month subsequent surgery.	age: 41.3 [14-65] years me to protected weightb- pectively. Clinically sign maintained through 12 s for VAS, MOxFQ (Tal) underwent HV earing and return ifficant improven months. (Table 1 ble 2), and PRO	with MTA correct n to full unrestricte ments from baselin () Improvements in MIS-29. (Table 3)	tion, of whom 18 completed d activity were 7.5 (4.3, 10.7) e in HVA, IMA, TSP, MAA n patient-reported outcomes There were no complications			
Discussions	These interim via 3-2-1 TM deformities, p	These interim results of this 5-year prospective, multicenter study of an instrumented approach to HV with MTA correction via 3-2-1 TMT arthrodesis with early weightbearing demonstrated favorable radiographic correction of the HV and MTA deformities, positive patient-reported outcomes, and a low rate of clinical complications.							
Format	Scientific								
Case Rpt Followup	12								
Student Club									
Classification	Forefoot Rec	onstruction							
Level of Evidence	Level IV								
Authors/Financial I	Disclosures								
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):			
			Consultant/Advisor/Sp	eaker (List all a	ffiliations)	Treace Medical			
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			Grant/Research fundin	g		Treace Medical, Align3D, MTA3D			
			Consultant/Advisor/Sp	eaker (List all a	ffiliations)	Treace Medical			
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FACFAS			Serve in an official cap any other medical or p	oacity (elected or odiatric organiza	r appointed) for ation(s)	President, International Foot and Ankle Foundation			
			Member of a medical j board	publication or ed	litorial governing	Section Editor JFAS			

		Grant/Research funding	Treace Medical Concepts, Inc. ALIGN3D™ Study, MTA3D™ Study
		Consultant/Advisor/Speaker (List all affiliations)	Paragon 28 • Medartis • Ossio • Stryker • Zimmer- Biomet • Exactech • ARthrex • CurveBeam AI • Tayco Brace
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		Grant/Research funding	AOFAS Arthritis Foundation Paragon 28 • Treace Medical Concepts, Inc. MTA3D™
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Paul Steinke, DPM, FACFAS	Paul.steinke1@gmail.com	Grant/Research funding	• Treace Medical Concepts, Inc. Mini3D TM Study, MTA3D TM Study

Submission ID	05-01318				Ref ID Sci-1318			
Title	Outcomes of Radicul	Dutcomes of Peripheral Nerve Decompression of the Lower Extremities in the Setting of Radiculopathy						
Submit Date	10/15/2024							
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Purpose	Evaluate impa	ct of lower ext	remity nerve decompression is	n the setting of ra	diculopathy			
Methodology	Retrospective extremity perip	Retrospective analysis of 35 patients from two surgeons over 5 years in medically optimized patients who underwent lower extremity peripheral nerve decompressions, monitoring if patients experience any level of relief.						
Procedures								
Results	Relative impro radiculopathy	wement of lov	ver extremity neuropathic pain	found s/p periph	eral nerve decompression in the setting of			
Discussions	Lower extremi published. An radiculopathy, nerve sympton an option to ad albeit with tem compressed pe neuropathic pa	Lower extremity Double Crush Syndrome has been reported, although specific treatment modalities have not yet been published. An improvement of severe pain may be worth addressing peripherally, with or without treatment of radiculopathy, which could be masking concurrent compression of peripheral nerves. In patients with lower extremity nerve symptoms who have failed treatment of spinal radiculopathies, peripheral nerve decompressions are rarely offered as an option to address continued pain. We have found that it is a worthwhile discussion to have with this subset of patients, albeit with tempered expectations, if they are amenable to the appropriate post- operative rehabilitation. Addressing the compressed peripheral nerves following spinal surgery, in our experience, has shown an improvement in lower extremity neuronative pain						
Format	Scientific							
Case Rpt Followup								
Student Club								
Classification	Neurological/F	Peripheral Ner	ve Disorders					
Level of Evidence	Level III							
Authors/Financial Di	sclosures							
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):			
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Submission ID	05-01336				Ref ID Sci-1336			
Title	Correlation Stress Radio	of Latera graphs	l Ankle Ligament Pat	hology See	n on MRI with Intraoperative			
Submit Date	10/15/2024							
Correspondent	Last Name: Bu	urandt						
	Full Name: M	ladison, K, B	urandt	Email:	madison.burandt12@gmail.com			
	Practice/Company	y/Residency	Program:	West Penn Ho Program	spital Foot and Ankle Institute Residency			
Authors	Author 1: M	ladison, K, B	urandt, DPM	Author 2:	Alan, R, Catanzariti, DPM, FACFAS			
	Author 3:			Author 4:				
	Author 5:			Author 6:				
	Author 7:			Author 8:				
Purpose	The purpose of the of pathology on N understanding for	The purpose of the study was to assess correlation between MRI and preoperative stress radiographs to determine if level of pathology on MRI is synonymous to clinical testing. Understanding these correlations might provide better understanding for procedural selection and reinforce the need for MRI preoperatively.						
Methodology	This retrospective study included a review of 48 patients who underwent lateral ankle stabilization procedures with a preoperative MRI and preoperative stress radiographs between 01/01/2020-07/20/2024. Inclusion criteria: ages 17-70, lateral ankle stabilization procedure performed, MRI commenting on lateral ankle ligaments and peroneals, preoperative stress images. Exclusion criteria include no MRI preoperatively and no stress images preoperatively. Stress views (anterior drawer and talar tilt) were performed in the operating room under general anesthesia prior to surgery.							
Procedures								
Results	Patients with ATF every one unit inc degrees. There wa	L damage on crease in the a as no differen	n MRI have a talar tilt of 3.6 de aggregate score (ATFL vs ATF ace when assessing age, BMI, a	grees higher th L+CFL vs ATF and sex with lat	an those without ATFL damage on MRI. For L+CFL+PTFL) talar tilt increased by 1.8 eral ankle ligament damage.			
Discussions	The results of this Results of stress rainjury demonstrate procedures for late	The results of this study demonstrated a lack of correlation between MRI finding and the degree of preoperative talar tilt. Results of stress radiography did not align with MRI results. This might be secondary to under-reporting and/or lack of injury demonstrated on MRI. This reinforces the importance of not relying solely on MRI results when choosing procedures for lateral ankle reconstruction.						
Format	Scientific							
Case Rpt Followup								
Student Club								
Classification	Rearfoot and Ank	le Reconstru	ction					
Level of Evidence	Level III							
Authors/Financial D	isclosuros							
Full Name:	Email		Disclosure(s) selected:		Disclosed Organization(s)			
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Submission ID	05-01339			Ref ID Sci-1339			
Title	Single Ins Chronic I	stitution Experience of Hammere Diabetic Ulcers	d Hallux A	rthroplasty for Management of			
Submit Date	10/15/2024						
Correspondent	Last Name:	Suri					
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	Practice/Con	npany/Residency Program:	Weill Cornel	l Medical Center			
Authors	Author 1:	Gurbani Suri MD	Author 2:	Ariella Fuzailof DPM			
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	Author 5:	John Doolan DPM	Author 6:	Brian DeRubertis MD			
	Author 7:	Deena Horn DPM	Author 8:				
Purpose	Chronic diab the interphala hallux ulcera diabetic hallu	etic hallux ulceration in hammer toe cases arise angeal joints or plantar surface of the distal digi tion or osteomyelitis, but this study proposes th ix ulceration secondary to hammer toe deformit	s due to neurop t. Amputation at arthroplasty ties.	bathy, deformities, or excessive pressure over is the current standard for managing chronic is a viable alternative for managing non-healing			
Methodology	We retrospectively identified patients who underwent hallux arthroplasty from January 2017 to August 2024 using CPT code 28285 with TA and T5 modifiers. Inclusion criteria were chronic diabetic hallux ulceration from hammer toe, with or without osteomyelitis. Patient demographics, operative details, and outcomes were collected and reviewed using descriptive statistics.						
Procedures							
Results	This single-in 29.2 \pm 4.8, H average in 24 TMA due to 0.57 and 0.51	stitution study includes 17 cases of chronic dia bA1c of 7.9 ± 2.4 , 10 (58%) with osteomyelitis 4.17 days versus 37.81 days with poorly control the development of gas gangrene and another h 1, respectively, requiring tibial angioplasty.	betic hallux ul , and 6 (35%) led diabetes (H ad prolonged h	ceration; 82% are male, with an average BMI of smokers. Patients with HbA1c \leq 7 healed on IbA1c & amp;gt; 7). One patient progressed to ealing (92 days), both with abnormal ABIs of			
Discussions	Arthroplasty correcting de associated wi amputation o	Arthroplasty offers a promising approach for managing diabetic hallux ulceration related to hammer toe deformities by correcting deformities, redistributing pressure, and restoring mobility. Patient selection is paramount as low ABIs were associated with prolonged healing or amputation progression. Future studies may evaluate arthroplasty as an alternative to amputation or arthrodesis for pre-ulcerative and ulcerative lesions.					
Format	Scientific						
Case Rpt Followup	0						
Student Club							
Classification	Diabetic Foo	t					
Level of Evidence	Level IV						
Authors/Financial Di	sclosures						
Full Name:	Email:	Disclosure(s) selected:		Disclosed Organisation(s):			

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Submission ID	05-01342				Ref ID Sci-1342		
Title	Impact of Talar Morphology on the Posterior Malleolus in Acute Ankle Fractures						
Submit Date	10/15/2024						
Correspondent	Last Name: Full Name: Practice/Comp	Tates Isaiah pany/Residenc	cy Program:	Email: UPMC Medic	isaiahtates4@gmail.com al Education Harrisburg		
Authors	Author 1: Author 3: Author 5: Author 7:	Isaiah Tates,	, DPM	Author 2: Author 4: Author 6: Author 8:	Daniel Yarmel, DPM		
Purpose	Talar height m isn't the only v malleolar frac	nay contribute way to describ ture heights, a	to posterior malleolus pathology e posterior malleolar fracture inju and how it could influence the dec	. Studies sugges uries. This stud cision for preop	at the position of the foot, and deforming force (examines the correlation of talar and posterior erative imaging and surgical planning.		
Methodology	This study is a at UPMC Cen identifying the parallel to its a malleolar fract of talar fractun considered.	a retrospective tral PA hospit e midpoint of anatomical ali ture fragments re, previous ta	chart review of 51 patients, ages al systems. Patients had preopera talus using axial and coronal view gmment to the most inferior porti- s were also performed. The exclu lar surgery, foot and ankle deform	18-81, that und tive CTs which vs. Measuremen on of the talar b sion criteria inc nities. Patient d	lerwent ORIF for ankle fractures in 2022-2024 were used to measure talar body heights by tts were made from the apex of the talar dome, ody. Measurements for height of posterior luded: skeletally immature patients, presence emographics (age, sex, BMI, height) were		
Procedures							
Results	Talar body hei 27.8mm. Aver 24.28mm, resp	ights were div age posterior pectively.	ided into 2 groups: lower (22.9-2 malleolar fracture heights in lowe	7.8mm) and hi er TBH group a	gher (27.9-32.9mm). Average TBH height was nd higher TBH group were 23.2mm and		
Discussions	A taller talus r the surface are fractures could traumatic ankl	A taller talus may result in a more complex posterior malleolar fracture. Posterior malleolar fracture height correlates with the surface area of the posterior malleolus fragment. Risks of incorrectly identifying and addressing posterior malleolar fractures could result in post-traumatic arthritis. A simple measure could provide indication for further imaging in traumatic ankle fractures.					
Format	Scientific						
Case Rpt Followup							
Student Club							
Classification	Trauma						
Level of Evidence	Level IV						
Authors/Financial Di	isclosures						
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):		
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Daniel Yarmel, DPM	footdoc1@gmai	l.com	I/We have nothing to disclose				

Submission ID	05-01346				Ref ID Sci-1346			
Title	Effect of Chevron	Fibial Sesa Osteotomy	moid Position on Patie	nt Functio	nal Outcome Scores After Distal			
Submit Date	10/15/2024							
Correspondent	Last Name: Full Name: Practice/Com	Tran Tiffany T Tra pany/Residenc	an, DPM y Program:	Email: Kaiser Perma	tiffany.t.tran@kp.org nente Santa Clara Podiatry Residency			
Authors	Author 1: Author 3: Author 5: Author 7:	Tiffany T Tra Douglas A S Melinda A B	an, DPM tram, MS Bowlby, DPM	Author 2: Author 4: Author 6: Author 8:	Arjun Vijayakumar, DPM Matthew L Schneider, DPM			
Purpose	While some h abductovalgu functional out in TSP score f greater after O	iterature sugges s (HAV) recurr tcome and patie to 3 or less had Chevron osteoto	sts that correction of the tibial se rence, sesamoid irritation, and all ent satisfaction after surgery. Thi greater functional and satisfactiony.	samoid position tered gait, there is study sought on scores than j	n (TSP) is necessary to reduce the risk of hallux is disagreement about the impact of TSP on to assess whether patients who had a reduction patients who had a postoperative TSP of 4 or			
Methodology	Thirty-four ac (KPNC) medi and Foot and differences w	Thirty-four adults underwent a chevron osteotomy of the first metatarsal at a Kaiser Permanente Northern California (KPNC) medical center between May 2023 and August 2024. The first intermetatarsal angle, hallux abductus angle, TSP, and Foot and Ankle Outcome score (FAOS) were collected pre-operatively and 6-weeks post-operatively. Group differences were calculated using Chi-square and Wilcoxon rank sum tests.						
Procedures								
Results	Those with a with a post-op 'Symptoms' s in functional	post-operative perative TSP of ubset was also outcome or pat	TSP of 3 or less had significantl f 4 or greater (p=0.006 and p=0.0 found to differ between the two ient satisfaction scores.	y different pre- 001, respectivel groups (p=0.04	and post-operative TSPs compared to those y). Preoperative FAOS score for the 11). There were no other significant differences			
Discussions	While achiev or patient sati surgical planr	ing a postopera sfaction at 6-w ning to mitigate	tive tibial sesamoid position of l reek follow-up, restoring tibial se the risk of HAV recurrence and	ess than 3 may esamoid alignm altered gait in	not significantly enhance functional outcomes ent remains an important consideration in the long term.			
Format	Scientific							
Case Rpt Followup								
Student Club								
Classification	Forefoot Reco	onstruction						
Level of Evidence	Level II							
Authors/Financial Di	sclosures							
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Submission ID	05-01353					Ref ID Sci-1353			
Title	Outcomes	Outcomes of ankle valgus in patients with global instability and fibular buttress wear							
Submit Date	10/15/2024								
Correspondent	Last Name: Full Name: Practice/Com	McCulley Hannah E. M pany/Residency	cCulley, DPM y Program:	Email: Swedish Medi	hannah.windau ical Center	ier@gmail.com			
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Purpose	The fibular bu undergoing to between ankle intervention, t risk factors fo	The fibular buttress is essential for ankle stability, yet its importance is often overlooked in patients with ankle valgus undergoing total ankle replacements (TAR). This paper explores the distinctions in valgus deformities and the relationship between ankle valgus and global instability from past ankle sprains which can worsen valgus alignment. Without intervention, this can lead to future revisions. We aim to educate practitioners on recognizing global instability, identify risk factors for recurrent deformity. and recognize the importance of fibular buttress in preperting further values alignment							
Methodology	This retrospect ankle valgus a preoperative a based on body	This retrospective cohort study evaluated 26 patients who underwent TAR by a single surgeon, focusing on those with ankle valgus and a minimum follow-up of 1 year. Two groups were identified: Group 1 consisted of patients with preoperative ankle valgus deformity and instability, while Group 2 included patients without valgus deformity, matched based on body mass index (BMI), and the type of implant used.							
Procedures									
Results	The valgus an Patients with minimum 1-y	ikle group has s preoperative va ear follow-up.	ignificantly increased complica lgus alignment without global i	tions, especially nstability addre	v in patients with ssed demonstrate	mobile-bearing implants. d recurrence of deformity at a			
Discussions	This study hig global instabi	shlights the crit lity. Limitation	ical role of the fibular buttress i s include a small sample size an	n preventing rev d potential bias	ersion to valgus from a single su	alignment in patients with rgeon's techniques.			
Format	Scientific								
Case Rpt Followup	12								
Student Club									
Classification	Rearfoot and	Ankle Reconstr	ruction						
Level of Evidence	Level III								
Authors/Financial Di	sclosures								
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):			
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Submission ID	05-01361				Ref ID Sci-1361				
Title	Multiple	Saphenous Ner	rve Variations and	Terminatio	on Points With Classification.				
Submit Date	10/15/2024								
Correspondent	Last Name:	Alejandro-Rivera							
I	Full Name:	Diego A. Alejandr	o-Rivera, BS	Email:	diego.alejandro@my.rfums.org				
	Practice/Com	pany/Residency Prog	gram:	Scholl Colleg University	e of Podiatric Medicine at Rosalind Franklin				
Authors	Author 1:	Lauren L. Schnack FACPM	, DPM, MS, AACFAS,	Author 2:	Stephanie Oexeman, DPM, AACFAS, DABPM				
	Author 3:	Derek Talbot, DC,	PhD	Author 4:	Diego A. Alejandro-Rivera, BS				
	Author 5:	Eduardo Badillo C	Colberg, MS	Author 6:	Monica Thokkudubiyyapu, MBA				
	Author 7:	Gurkiran Kaur, BS	5	Author 8:	Noah Sperber, BS				
Purpose	To determine	whether the majority	of specimens have a saph	enous nerve ter	minating prior to reaching the first metatarsal.				
Methodology	Sixty fresh fr age of 73. Th the tibial tube reflect it and	sixty fresh frozen limbs from the tibial tuberosity to the toes were obtained from 33 males and 27 females with an average ge of 73. The cadaveric specimens were random in selection. The cadaveric specimens were dissected proximally from he tibial tuberosity and distally to the forefoot by creating a superficial soft tissue flap with skin and subcutaneous tissue to effect it and provide exposure.							
Procedures									
Results	In 60 cadaver (Type 1), tern terminated di terminated di solely anterio malleolus.	In 60 cadaveric limbs, the saphenous nerve terminated proximal to or at the medial malleolus with a frequency of 36.67% (Type 1), terminated distal to the medial malleolus up to the navicular cuneiform joint with a frequency of 45% (Type 2), terminated distal to the navicular-cuneiform joint to the first tarsometatarsal joint with a frequency of 8.3% (Type 3), and terminated distal to the first metatarsal with a frequency of 10% (Type 4). Additionally, there was an incidence of 65% solely anterior branches, 31.33% of anterior and posterior branches, and 3.33% of solely posterior branches at the medial malleolus.							
Discussions	The most com navicular cun are relevant f	The most common pattern of nerve variation is the Type 2 variation with termination distal to the medial malleolus to the navicular cunciform joint at 45%. Only 10% of specimens terminated distal to the first tarsometatarsal joint. The findings are relevant for anesthesia blocks and surgical implications.							
Format	Scientific								
Case Rpt Followup									
Student Club									
Classification	Biomechanic	s and Anatomy							
Level of Evidence	Level V								
Authors/Financial D	isclosures								
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-01371				Ref ID Sci-1371				
Title	The effect	iveness of t	he Salvation nail fixat	tion for STJ	I fusion: A retrospective analysis				
Submit Date	10/15/2024								
Correspondent	Last Name: Full Name: Practice/Comp	Sipala David pany/Residency	Program:	Email: Agility Ortho	dsipala22@gmail.com pedics				
Authors	Author 1: Author 3: Author 5: Author 7:	David Sipala		Author 2: Author 4: Author 6: Author 8:					
Purpose	Retrospective	analysis of subt	talar joint fusion fix ation with	the salvation, co	ompared to the fusion rates of standard fixation				
Methodology	This restrospection Radiographic of the second seco	This restrospective study reviews 47 cases where STJ and triple arthrodesis was performed over a 5 year period. Radiographic evidence was utilized to assess osseous consolidation and successful fusion, as well as the return to function.							
Procedures									
Results	The fixation ut construct while proper alignme subtalar joint (screw fixation construct in ST post-op with u when performi in union, or ma reconstructive	The fixation utilized in foot and ankle reconstruction must provide proper stability, which equates to a strong mechanical construct while providing compression. This concerted effort subsequently ensures proper fusion while maintaining in proper alignment. This retrospective study would assess the time to fusion and return to normal function when performing subtalar joint (STJ) arthrodesis via Salvation Midfoot Nail (Stryker, Kalamazoo, MI). Previous studies assessing 2 parallel screw fixation reported fusion rates at 10-12 weeks1, but there is currently no analysis comparing techniques and fixation construct in STJ arthrodesis. This is in comparison to the rate of fusion appreciated on radiographs as early as 5 weeks post-op with use of the Salvation nail. The subtalar joint is a pivotal location to be fixated in a neutral position, especially when performing hindfoot arthrodesis. This will allow for successful return to propulsive gait and resolution of pain. Delay in union, or malunion, can have devastating consequences with regards to gait and mechanics following hindfoot							
Discussions	The multiplana	ar construct of t	the salvation nail has allowed a	quicker fusion	of the subtalar joint,				
Format Case Rpt Followup Student Club Classification Level of Evidence	Scientific 12 Rearfoot and A Level I	Ankle Reconstru	action						
Authors/Financial D	isclosures								
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Submission ID	05-01372				Ref ID Sci-1372			
Title	IMPACT HEALING	OF VITAN G	MIN K ANTAGONIST	WARFAR	IN ON ANKLE FRACTURE			
Submit Date	10/15/2024							
Correspondent	Last Name:	Hoque						
	Full Name:	Tamanna Ho	oque, DPM	Email:	tamanna.x.hoque@kp.org			
	Practice/Comp	pany/Residenc	ey Program:	Kaiser Perma	nente Santa Clara			
Authors	Author 1:	Tamanna Ho	oque, DPM	Author 2:	Deanna Fink, MPH			
	Author 3:	Melinda Boy	wlby, FACFAS	Author 4:				
	Author 5:			Author 6:				
	Author 7:			Author 8:				
Purpose	Warfarin has a bone morphog Vitamin K ant evaluates the r	Warfarin has a known relationship to two Vitamin K dependent proteins, which regulate bone mineralization and activate bone morphogenic protein. The purpose of this study is to evaluate whether there is a correlation between patients that use Vitamin K antagonist, Warfarin, and nonunion of ankle fracture. To date, there has been no published literature that evaluates the relationship of long-term warfarin use and the nonunion rate of traumatic fractures.						
Methodology	This retrospec 2017 and 202 were excluded mellitus, ostec compared usin	This retrospective study of adult Kaiser Permanente Northern California (KPNC) members with ankle fractures between 2017 and 2021 assessed correlation between Warfarin use and ankle nonunion. Patients with open fractures or infections were excluded. Nonunion patients were matched to unions 1:4 on race, BMI, and age. Covariates included sex, diabetes mellitus, osteoporosis, vitamin D deficiency, alcohol use, tobacco use, vitamin D medication, and steroid use. Groups were compared using Wilcoxon and Fisher's Exact tests.						
Procedures								
Results	There were 61 Warfarin had a statistically sig	0 patients in o nonunion com gnificant (p<0.	our cohort (122 nonunion; 488 m pared to those not on Warfarin (2 .354). Four of five Warfarin grou	atched union co 29.4% vs 19.7% p nonunion pat	ontrols). A higher proportion of patients on 6, respectively), but this relationship was not ients were on long-term Warfarin (>6 months).			
Discussions	Warfarin is kn statistically sig ankle fracture	Warfarin is known to inhibit activation of Vitamin K, which has been proven to play a role in bone strength. Although not statistically significant, our study findings suggest that there may be a correlation between long-term Warfarin use and ankle fracture nonunion. Future studies can help direct care for patients with ankle fracture and long-term Warfarin use.						
Format	Scientific							
Case Rpt Followup								
Student Club								
Classification	Trauma							
Level of Evidence	Level III							
Authors/Financial Di	sclosures							
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):			
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Submission ID	05-01374					Ref ID Sci-1374	
Title	Flipper F Neuroart	oot Proced hropathy D	ure with Ankle Arth Deformities	rodesis for t	he Treatmen	t of Charcot	
Submit Date	10/15/2024						
Correspondent	Last Name: Full Name: Practice/Com	Loveland Jeffrey D. Lo pany/Residency	veland DPM FACFAS / Program:	Email: Central Tenr	lovelanddpm(nessee Foot and A	@yahoo.com unkle Center	
Authors	Author 1: Author 3: Author 5: Author 7:	Jeffrey D. Lo Brandon Den	veland DPM, FACFAS ton MBA, ABSA	Author 2: Author 4: Author 6: Author 8:	Aaron Mates	MD	
Purpose	To show the e ankle deform	efficacy of the d	escribed "flipper foot" proc	edure as a viable of	option in the treat	ment of neuropathic foot and	
Methodology	Retrospective arthrodesis w wire to create assess fusion.	chart review w as fixated with a pseudo fusion Once the fixated	ith 98 patients that underwei intramedullary nail and usir n / articulation point within or was removed, patients we	ent midfoot osteoto g an external fixa the midfoot or tal ere then placed int	omy with ankle a tor to control the o-navicular region o a CROW Boot	rthrodesis. The ankle midfoot correction with a bent n. CT scans were obtained to for 1 year.	
Procedures							
Results	98 patients ur confirmed fus to fusion with no breakdown	derwent ankle sion of the ankle 6 patients that n or increased d	arthrodesis with midfoot os e joint on average of 14 wee required a revisional surger eformity seen in the midfoo	eotomy for treatm ks and with avera y for a nonunion a t. No wounds dev	nent of Charcot N ge of 36 months and one below-the eloped following	euroarthropathy. CT scans follow up. 91 patients went on e-knee amputation. There was the reconstructive surgery.	
Discussions	The results sh Charcot Neur segment in th technique des	The results show evidence the "Flipper Foot technique" could be used as a viable limb salvage option for patients with Charcot Neuroarthropathy deformities and revisional surgeries. With a stable hindfoot/ankle along with the motion segment in the foot provides some movement to put on shoe gear and allows patients to have a functional gait pattern. This technique described may become a standard in treatment of Charcot deformities in the future.					
Format	Scientific						
Case Rpt Followup	36						
Student Club							
Classification	Rearfoot and	Ankle Reconstr	uction				
Level of Evidence	Level IV						
Authors/Financial D	Disclosures						
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):	
			Consultant/Advisor/Speak	er (List all affiliat	ions)	Stryker, Vilex	
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			Grant/Research funding			Stryker	
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Submission ID	05-01377 Ref ID Sci-13							
Title	Durability of Lisfra	Durability of Lisfranc tarsometatarsal joint amputation as a limb preservation option.						
Submit Date	10/15/2024	10/15/2024						
Correspondent	Last Name: Meyr Full Name: Andrew J. M Practice/Company/Residence	leyr, DPM FACFAS y Program:	Email: ajmeyr@gı Temple University Hospita	nail.com I				
Authors	Author 1:Sarah AmesAuthor 3:Andrew J. NAuthor 5:Author 7:	, DPM feyr, DPM FACFAS	Author 2:Salvatore FAuthor 4:Author 6:Author 6:Author 8:	azio, DPM				
Purpose	Partial foot amputations in t formation, unplanned reope tarsometatarsal joint are gen The objective of this investi care center with a limb press	Partial foot amputations in the setting of ischemia, infection and tissue loss are associated with high rates of new wound formation, unplanned reoperation, and more proximal levels of amputation. Amputations at or proximal to the tarsometatarsal joint are generally considered to be salvage procedures due to the resulting musculotendinous imbalances. The objective of this investigation was to evaluate the durability of Lisfranc joint level amputations at an urban tertiary care center with a limb preservation program.						
Methodology	Consecutive patients with a Durability of the procedure of amputation.	Consecutive patients with a Lisfranc tarsometatarsal joint level amputation as a part of their care were evaluated. Durability of the procedure was considered with respect to primary healing rates, rates of reamputation, and definitive level of amputation.						
Procedures								
Results	The observed readmission relimb amputation while 33.3	The observed readmission rate was 33.3% and reoperation rate was 42.9%. 28.6% of cases eventually resulted in major limb amputation while 33.3% resulted in a healed intact soft tissue envelope.						
Discussions	Results of this investigation joint level. These results ind functional level of partial fo	Results of this investigation provide evidence on the durability of partial foot amputations at the Lisfranc tarsometatarsal joint level. These results indicate that this level of amputation should be considered as a salvage procedure and not a functional level of partial foot amputation.						
Format	Scientific							
Case Rpt Followup								
Student Club								
Classification	Diabetic Foot							
Level of Evidence	Level III							
Authors/Financial Di	isclosures							
Full Name:	Email:	Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-01380					Ref ID Sci-1380		
Title	Comparise in Tibiotal	Comparison of Union Rates and Complications Between Intramedullary Nail Design In Tibiotalocalcaneal Arthrodesis						
Submit Date	10/15/2024							
Correspondent	Last Name:	Stringham						
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	Practice/Comp	any/Residenc	y Program:	JFK Medical Residency	Center Podiatric	Medicine and Surgery		
Authors	Author 1:	spencer strin	igham	Author 2:	Josh Sebag Dl	PM FACFAS		
	Author 3:			Author 4:				
	Author 5:			Author 6:				
	Author 7:			Author 8:				
Purpose	Major trauma : (1). Tibiotaloc: ambulation and arthrodesis inc screws (2). Int static, and dyn overall fusion tibiotalocalcan and compare o intramedullary	and severe mu alcaneal arthro d improved qu luding intram ramedullary n amic. Howeve rate between ² aeal arthrodesi werall union r r nail	Itiplanar deformity poses signifi- odesis is often indicated in the mu- ality of life. Many options for fi: edullary nailing, external fixatior ailing is a popular method of fixa er, overall fusion rates and compl 76-100%. (2) In our study, we pre s with three different intramedull ates and complications and to ass	cant challenges anagement of th xation are avail n, plate fixation ation with many lication rates va esent a retrospe lary nails (static sess the differen	in reconstructive rese cases in orc able and have b and interfragma y options availal ry considerably ctive review of the dynamic, dyna- nce in weight be	re surgery of the foot and ankle ler to provide pain-free een utilized in hindfoot entary compression with lagged ble including straight, curved, in the literature, with an patients who underwent amic with active compression) aring status based on		
Methodology	A retrospective minimum one with compress	e review will b year follow uj ion) Union ra	be conducted of all patients under p. Groups will be compared via v tes and complications will be con	rgoing tibiotalo veight bearing s npared betweer	calcaneal arthro status and nail d nail design	desis by a single surgeon with esign (static, dynamic, dynamic		
Procedures								
Results	In progress							
Discussions	In progress							
Format	Scientific							
Case Rpt Followup								
Student Club								
Classification	Rearfoot and A	Rearfoot and Ankle Reconstruction						
Level of Evidence	Level III							
Authors/Financial D	isclosures							
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):		
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Submission ID	05-01386 Ref ID S							
Title	Impact of Toe Corre	Impact of Uncontrolled Diabetes Mellitus on Post-Surgical Complication of Hammer Foe Correction Surgery						
Submit Date	10/15/2024							
Correspondent	Last Name:	Panda						
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	Practice/Comp	oany/Residenc	y Program:	University of	Texas Medical Branch			
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	Author 3:	Cale Watkins	S	Author 4:	Winston Tawiah			
	Author 5:			Author 6:				
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Purpose	The purpose o (T2DM) patie	f this study wants differed ba	as to determine if outcomes of ha sed on if their diabetes was contr	mmer-toe corre olled versus un	ection surgery in type 2 diabetes mellitus acontrolled.			
Methodology	Data was colle T2DM with a Cohort B (n=2 greater than 7 event, ethnicit	Data was collected from the Trinetx database. Cohort A (n=2,223) was defined as patients who had a anytime diagnosis of T2DM with a HbA1c percentage between 4.5 and 6.9 in the past year and underwent a hammer-toe correction surgery. Cohort B (n=2,223) was defined as patients who had a anytime diagnosis of T2DM, with a HbA1c percentage between greater than 7 in the past year, and underwent a hammer-toe correction surgery. The two cohorts were matched for age at event, ethnicity, race, sex, COPD, heart failure, and BMI.						
Procedures								
Results	Cohort B had considered wi infection (OR compared to c not have surge	Cohort B had no statistical difference compared to cohort A in the majority of the post-surgical complications that were considered within 6 months post-treatment. However, cohort B was found to statistically increase the odds of post-surgical infection (OR = 1.538, 95% CI: 1.303 – 1.815) and post-surgical acute kidney injury (OR = 1.355, 95% CI: 1.008 – 1.821) compared to cohort A. Additionally, when Cohort B was compared to T2DM patients with uncontrolled diabetes who did not have surgery, there was an increased risk of infection but decreased risk of acute kidney injury.						
Discussions	This study ind for infection a population.	icates that pati nd AKI, imply	ients with uncontrolled T2DM cc ring that surgeons could monitor	impared to thos these outcomes	e with controlled T2DM had an increased risk in the post surgical care of this patient			
Format	Scientific							
Case Rpt Followup								
Student Club								
Classification	Diabetic Foot							
Level of Evidence	Level III							
Authors/Financial Di	salasuras							
Full Name	Email.		Disclosure(s) selected		Disclosed Organisation(s)			
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Submission ID	05-01404				Ref ID Sci-1404			
Title	Utility and infections	Utility and associated cost of routinely collecting acid fast cultures for diabetic foot infections						
Submit Date	10/15/2024							
Correspondent	Last Name: Full Name: Practice/Comp	Woolf Kaden D Wo pany/Residency	olf, DPM y Program:	Email: Trihealth Poo	kaden_woolf@trihealth.com liatry Residency			
Authors	Author 1: Author 3: Author 5: Author 7:	Kaden D Wo Dean DC Wa Haim Cohen	oolf, DPM alters, DPM, AACFAS , DPM	Author 2: Author 4: Author 6: Author 8:	James B Davis, DPM Dominic A Rizzo, DPM, FACFAS			
Purpose	The purpose o line evaluatior the current pra studies which	The purpose of this study is to determine whether routinely collecting acid-fast cultures should be a standard part of first- line evaluation in diabetic foot infections (DFI) or be reserved for atypical circumstances. This study also considers how the current practice of routinely ordering acid-fast cultures in standard DFIs impacts healthcare costs. There are no current studies which support routine A cid-fast culture collection in diabetic foot infections in the outering or impatient estimate						
Methodology	This is a retros between 01/01 received an ac	This is a retrospective cohort study collecting data from two hospitals (inpatient) and two wound care centers (outpatient) between 01/01/2017 and 12/31/2020. Criteria for inclusion were patients who were treated for a diabetic foot infection and received an acid-fast culture. Those <18 years old were excluded.						
Procedures								
Results	We had 286 pa subsequent inf amount billed	atients cultured fections). Of the to Medicare fo	d and 437 Acid-fast cultures anal he 437 independent Acid-fast cul or collection of the cultures was	lyzed (151 pati tures taken, 0% \$73.76.	ents had cultures run a second time during 6 were positive for bacteria. The average			
Discussions	Based on the r zero were infe Acid-fast cultu mycobacteriun diabetic foot in	Based on the results of our study we did not see a benefit to routinely collecting Acid-fast cultures. Of the 286 patients, zero were infected with Acid-fast bacteria. Just collection of the cultures resulted in an estimated \$32,233 billed in 3 years. Acid-fast cultures in both outpatient and inpatient settings should be reserved for high-risk patients or those with a previous mycobacterium infection. Since collection of this data, we have ceased to routinely collect Acid-fast cultures when treating diabetic foot infections.						
Format	Scientific							
Case Rpt Followup								
Student Club Classification	Wound Care/I	nfectious Dise	ases					
Level of Evidence	Level IV							
Authors/Financial D	isclosures		Discharge (c) schotzh					
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Submission ID	05-01406 Ref ID Sci-1							
Title	Radiograj operative	Radiographic Analysis of Hallux valgus deformity correction utilizing a novel pre- operative patient-matched system.						
Submit Date	10/15/2024	10/15/2024						
Correspondent	Last Name:	Arzumand						
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	Practice/Comp	oany/Residency P	rogram:	MercyOne Wa	aterloo Medical Center			
Authors	Author 1:	Maliha Arzuma	nd, DPM	Author 2:	Gregory Foote DPM, FACFAS			
	Author 3:	Ronald Kane D	PM, FACFAS	Author 4:	Levi Andrews, DPM			
	Author 5:	Ryan Bauermei	ster DPM	Author 6:	Aaron Lalehzarian DPM			
	Author 7:			Author 8:				
Purpose	The Lapidus p techniques to novel patient- is utilized to a cuneiform join preference.	The Lapidus procedure for bunion correction has been altered in various ways over the years, including introducing new techniques to achieve the tri-planar correction of the deformity. We present the short-term radiographic results utilizing a novel patient-specific modality to gain tri-planar correction. Utilizing the proposed correction, a patient-matched pin guide is utilized to appropriately position the intraoperative cut guides to make accurate osteotomy at the first metatarsal cuneiform joint. The correction is then obtained by using a re-alignment compression device and fixated per the surgeon's preference.						
Methodology	Twenty patien for hallux valg the correction post-operative	Twenty patients (n = 20 feet) treated by two surgeons at a single institution, employing a patient-matched surgical approach for hallux valgus correction met the inclusion criteria. Preoperative assessments include weight-bearing films to evaluate the correction of the intermetatarsal angle and the frontal plane positioning of the sesamoids. The 3-month weight-bearing post-operative radiographs were then evaluated to determine the accuracy of the correction.						
Procedures								
Results	All 20 bunion correction bas malpositionin	All 20 bunionectomies included in the study showed correction of intermetatarsal angle to within 1 degree of the proposed correction based on the software analysis with restoration of the sesamoids to a neutral position. No iatrogenic malpositioning of the first ray in the sagittal plane was noted in any of these cases.						
Discussions	Pre-operativel reproducible r intermetatarsa	y planned patient esults, allowing c l angle and fronta	-matched correction of hallux orrection tailored to the indivi Il plane alignment of the sesan	valgus deform dual patient's a noids.	ity is a novel technique that allows for inatomy, optimizing the reduction of the			
Format	Scientific							
Case Rpt Followup								
Student Club								
Classification	Forefoot Reco	nstruction						
Level of Evidence	Level III							
Authors/Financial Di	isclosures							
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):			
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Submission ID	05-01410				Ref ID Sci-1410				
Title	A comparis ankle stabi	A comparison of outcomes in patients with and without physical therapy after lateral ankle stabilization procedure							
Submit Date	10/15/2024								
Correspondent	Last Name: Full Name:	Schadegg Margaret G	Schadegg DPM	Email:	mys343@jefferson.edu				
	Practice/Compa	any/Residenc	y Program:	Jefferson He	alth NJ				
Authors	Author 1: Author 3:	Margaret Sch Sarah Ayvaz	hadegg ov, DPM	Author 2: Author 4:	Alyssa Kellmyer, DPM				
	Author 5:			Author 6:					
	Author 7:			Author 8:					
Purpose	The aim of this received physic PT increases ov	The aim of this study is to compare patient reported pain, complication rates, and time to weight bearing in patients who received physical therapy (PT) versus those who did not after a lateral ankle stabilization procedure. We hypothesize that PT increases overall patient reported outcomes and leads to quicker return to activity.							
Methodology	A retrospective of 23 patients v not. The follow	A retrospective comparative study was conducted on patients who underwent a lateral ankle stabilization procedure. A total of 23 patients were included in the study and split into two groups: those who received physical therapy and those who did not. The following data was collected: patient-reported VAS pain scale and time to full weight bearing.							
Procedures									
Results	23 patients wer and post-operat respectively. Th	re included, 1 tively was no ne average tir	1 male (48%) and 12 fem ted to be 6.6/10 and 2.5/1 ne of return to weight bea	ale (52%). 17 patients 0 in the PT group and ring was 9.3 weeks ir	received PT and 6 did not. Average pain pre- 6.2/10 and 3.2/10 in the non-PT group, the PT group and 6.2 in the non-PT group.				
Discussions	There has been and/or essential that post-operat longer time to f quicker patient	debate in the l for post-ope tive pain leve full weight be recovery.	literature regarding whet rative recovery, reductior ls were similar in both P aring. According to these	ther PT after a lateral of pain, and quicker and non-PT groups. results, we found no	ankle stabilization procedure is beneficial return to weight bearing. Our research found Surprisingly, we found that the PT group had a correlation between post-operative PT and				
Format	Scientific								
Case Rpt Followup	0								
Student Club									
Classification	Physical Thera	py/Rehabilita	tion						
Level of Evidence	Level III								
Authors/Financial D	isclosures								
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-01416				Ref ID Sci-1416				
Title	9 liter of normal saline 6 grams of common glycopepidtide antibiotic via pulse lavage yield better results for infected wounds and reinfection								
Submit Date	10/15/2024								
Correspondent	Last Name:	Giagnacova	1						
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	Practice/Con	npany/Residen	cy Program:	Company					
Authors	Author 1:	Albert Giag	gnacova	Author 2:	Lev Blekher DPM				
	Author 3:	Lydia Thor	nas DPM	Author 4:	Adam Bieker DPM				
	Author 5:	Wilven Sm	oody DPM	Author 6:	Sydney Rotman DO				
	Author 7:			Author 8:					
Purpose	We clearly lo surmise that career.	ooked at treatir bulb in not ado	ng every wound and infe equate and compare an 1	ctions similar to how G 2 year followup with ev	ustillo /Anderson view as open fracture, we very infection over 381 treated over 144 months				
Methodology	Our research lavage a wou patient had e	Our research documented carefully how fluid is used to lavage a wound, how much pressure is necessary to properly lavage a wound, and is there a local systematic result from the antibiotics. We randomized our data, based on season. 213 patient had either diabetes or PVD or vascular disease.							
Procedures									
Results	219 received saline via put total joint lite strongly favo health of the	219 received a lavage of 9 liter of normal saline mixed with 6 g Vancomycin (trade name), compare to lavage with normal saline via pulse lavage and bulb syringe. We had 3 reinfections, and 7 reinfections within 3 months period. We explored the total joint literature, ENT, and neurosurgery literature, our long term followup defined as 1 year had 164 patients. Data strongly favors 9 liter with antibiotics group, but data cannot separate outside such as oral or IV antibiotics, and overall health of the patient.							
Discussions	We have offer importance of include sendi importance of factor, in our	We have offered this once performed without acceptances 5 years ago. Our workgroup scope of this includes the importance of adequately decreasing the bioburden within the wound bed. Proper methodology of obtaining specimen include sending tissue with culture. Local systematic effect of glycopepidide antibiotics and it effect on tissue. The importance of my data set within a community hospital versus medical literature were show that total lavage time is key factor. in our results. Localized anerioenesis within wound bed via mm HG with the lavage will be offered.							
Format	Scientific								
Case Rpt Followup	144								
Student Club									
Classification	Wound Care/	Infectious Dis	eases						
Level of Evidence	Level III								
Authors/Financial D	oisclosures								
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Submission ID	05-01417			Ref ID Sci-1417				
Title	Negative Prognos Arthrodesis in Cl	Negative Prognostic Factors for Progression to Hindfoot Fusion Following Midfoot Arthrodesis in Charcot Neuroarthropathy						
Submit Date	10/15/2024							
Correspondent	Last Name: Berkelba	ach						
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	Practice/Company/Resid	dency Program:	Limb Preservation University of Mary	and Deformity Correction Fellowship at 'land				
Authors	Author 1: Christop	her J. Berkelbach, DPM	Author 2: Jac	ob Wynes, DPM, MS, FACFAS				
	Author 3:		Author 4:					
	Author 5:		Author 6:					
	Author 7:		Author 8:					
Purpose	There is an increasing tr midfoot Charcot. Subtal arthrodesis have been sh in midfoot Charcot patie TTC arthrodesis.	There is an increasing trend of the use of tibiotalocalcaneal (TTC) arthrodesis for primary surgical management for midfoot Charcot. Subtalar joint arthrodesis and lateral ankle ligament reconstruction at the time of midfoot Charcot arthrodesis have been shown to be protective against the development of ankle Charcot. We aimed to identify risk factors in midfoot Charcot patients undergoing midfoot arthrodesis that may increase the likelihood of failure requiring subsequent TTC arthrodesis.						
Methodology	We performed a retrospo arthrodesis. Patients wit	We performed a retrospective review of 72 patients diagnosed with midfoot Charcot and treated surgically with midfoot arthrodesis. Patients with less than 12 months of post-operative follow-up were excluded.						
Procedures								
Results	Following midfoot arthr result of hindfoot Charc arthrodesis was 4.1 year who underwent subsequ progress. 58.3% of patie 30.8% of patients who d surgeries, compared wit	odesis, thirteen patients (18.1%) und ot or other complications. The avera s, compared with 3.0 years for patie ent TTC arthrodesis presented with ents who underwent subsequent TTC did not progress. Patients with subsec h 1.6 unplanned surgeries in the con	lerwent subsequent ti ge follow-up for pati nts that did not progr BMI over 40, compa arthrodesis presente quent TTC arthrodesi parison group.	biotalocalcaneal (TTC) arthrodesis as the ents who underwent subsequent TTC ess to hindfoot Charcot, 61.5% of patients red with 15.4% of patients who did not d with HbA1c over 8.0%, compared with s underwent an average of 4.5 unplanned				
Discussions	This investigation found progression to TTC arth midfoot Charcot.	high BMI and poorly controlled dia rodesis after midfoot arthrodesis. Th	abetic patients with m nese patients may ben	idfoot Charcot to be at higher risk of efit from primary TTC arthrodesis for				
Format	Scientific							
Case Rpt Followup	12							
Student Club								
Classification	Rearfoot and Ankle Rec	onstruction						
Level of Evidence	Level IV							
Authons/Einonci-ID	ialagunag							
Autnors/Financial D	Isciosures	Disalagura(a) salaatada		Disclosed Openiastics (a):				
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Submission ID	05-01424					Ref ID Sci-1424			
Title	Effect of T Charcot R	Effect of Travel Distance and Time on Clinical Outcomes in Patients Undergoing Charcot Reconstruction							
Submit Date	10/15/2024								
Correspondent	Last Name:	Berkelbach							
	Full Name:	Christopher	J.	Email:	berkelbc@gm	ail.com			
	Practice/Compa	any/Residenc	y Program:	Limb Preserv University of	ation and Defor Maryland	nity Correction Fellowship at			
Authors	Author 1:	Christopher	J. Berkelbach, DPM	Author 2:	Jacob Wynes,	DPM, MS, FACFAS			
	Author 3:			Author 4:					
	Author 5:			Author 6:					
	Author 7:			Author 8:					
Purpose	There is a high A recent study effect of travel neuroarthropatl	There is a high morbidity and mortality related to Charcot neuroarthropathy and its surgical and non-surgical management. A recent study showed good outcomes for Charcot patients with early referral to a tertiary care center. We investigated the effect of travel distance and time on clinical outcomes in patients undergoing surgical treatment for Charcot neuroarthropathy at a large urban tertiary care specialty clinic in Maryland.							
Methodology	We performed a retrospective review of 145 patients treated surgically for Charcot neuroarthropathy. Patients with less than 12 months of post-operative follow-up were excluded. We used the directions feature on Google Maps to estimate the distance and driving time from the patient's home address to the outpatient treatment facility and hospital.								
Procedures									
Results	The average dis respectively. Pa unplanned reop outpatient treat likely to have c	The average distance and driving time to the main outpatient treatment facility was 35.2 miles and 40.8 minutes, respectively. Patients who lived greater than 50 miles from the outpatient treatment facility underwent an average of 4.5 unplanned reoperations compared with 2.3 unplanned reoperations for those who lived less than 50 miles from the outpatient treatment facility. Patients who lived greater than 50 miles from the outpatient treatment facility were more likely to have complications with their external fixed to have complications with their external fixed to have complications.							
Discussions	Patients with C increased risk c	harcot neuroa of complication	arthropathy traveling a great dist	ance for treatme urgical manager	ent at a tertiary c ment.	are specialty clinic may be at			
Format	Scientific								
Case Rpt Followup	12								
Student Club									
Classification	Rearfoot and A	nkle Reconst	ruction						
Level of Evidence	Level IV								
Authors/Financial D	isclosures								
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):			
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Submission ID	05-01430 Ref ID S							
Title	The Psych Amputatio	The Psychofunctional Impact of Length Preservation in Various Levels of Pedal Amputation						
Submit Date	10/15/2024	10/15/2024						
Correspondent	Last Name: Full Name: Practice/Comp	Qadri Ali A. Qadri, any/Residency	DPM Program:	Email: Medstar Geor	aliqadri631@gmail.com getown University Hospital			
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Purpose	Diabetes relate but often overl benefits of leng	d foot amputat ooked psycholo gth preservation	ions can be particularly challen ogical distress. We seek to prov n in diabetic foot amputations.	ging for patient ide informatior	is, as they not only face medical comorbidities a on the functional as well as the psychological			
Methodology	We performed transmetatarsal June 2023. Out psychological	We performed a comparative retrospective analysis of 65 unilateral ambulatory midfoot amputees (8 pandigital, 43 transmetatarsal, 5 Lisfranc, and 9 Chopart) who were evaluated at Georgetown University Hospital between June 2021-June 2023. Outcomes were defined as major/minor complications, rates of limb salvage, assessment of residual function, psychological well-being, and quality of life.						
Procedures								
Results	The average age of our cohort was 64.6 ± 12.7 years with a mean follow-up of 12.1 months. An overall limb salvage rate of 96.36% and 21.8% overall complication rate was noted. A higher incidence of major complications within the Lisfranc group was noted (p=0.02). Patient reported outcomes pertaining to functionality, psychological well-being, and quality of life demonstrated that pandigital amputations were superior to all other forms of pedal amputation and length preservation reduced the psychological burden and had less an impact on quality of life than a shorter residual limb.							
Discussions	The present stu analysis reveal psychological a lower negativ	The present study is the first study to evaluate the psychofunctional impact of all levels of midfoot amputation. Our analysis revealed that pandigital amputations were superior to other forms of pedal amputation in terms of functionality, psychological well-being, and quality of life. Additionally, preserving limb length alleviated psychological distress and had a lower negative impact on quality of life compared to shorter residual limbs.						
Format	Scientific							
Case Rpt Followup	12							
Student Club								
Classification	Diabetic Foot							
Level of Evidence	Level III							
Authors/Financial Di	sclosures							
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Submission ID	05-01434				Ref ID Sci-1434				
Title	Are Supination External Rotation Still Non-Surgical, as Arthroscopic Exploration?								
Submit Date	10/15/2024								
Correspondent	Last Name: Full Name: Practice/Com	Giagnacova Albert pany/Residenc	y Program:	Email: Lower Bucks	Albertdpm@gmail.com Hospital				
Authors	Author 1: Author 3: Author 5: Author 7:	Albert Giagr Sydney Rotn Adam Bieke	nacova nan DO r DPM	Author 2: Author 4: Author 6: Author 8:	Anthony Mina DPM Wilven Smoody Lev Blekher DPM				
Purpose	15 years ago brevity of lite fracture.	15 years ago literature stated that SER were not surgical, immobilize and treated conservatively. Recently there has been a brevity of literature highlighting AITF, as well as subtle SER 4 with ligamentous involvement and no medial malleolar fracture.							
Methodology	We evaluate a fractures. We felt patients h injection with	We evaluate 39 SER type 2 fractures, we perform stress views under anesthesia, and performed arthroscopic evaluation fractures. We were compelled to reconsider this based on Pakarinen (FAI 2011) looking at stability criteria. Anecdotally we felt patients had good outcomes, however intra articular pathology was mitigated, this was demonstrated with local injection within the joint relieved. We used PROMs to further validate our results.							
Procedures									
Results	11 of 39 had abduction tes physical there	11 of 39 had a so called "drive sign positive" or indicative of deltoid injury stress views only reveal 6 of these via stress abduction test. Total Operating room was 40 minutes, patients were 85 percent of normal activity with 3 months without physical therapy.							
Discussions	Drakos prese these fracture better undersi reproducible was 30 perce consensus, si	Drakos presented a class paper addressing non operative for isolated Lateral malleolus fracture. Traditionally speaking these fracture were thought as non displaced fractures that do well with immobilization. The purpose of this study is to better understand the ligamentous importance, and the pathology that exists with the ankle joint. We offer easy reproducible methodology with simple construct to fix these troublesome fracture. Recently its has been at 3 months there was 30 percent nonunion at fracture line. The purpose of this poster is better communicate our literature and form a better consensus since these are very uniquitous fracture type.							
Format	Scientific								
Case Rpt Followup	71								
Student Club	Trauma								
Level of Evidence	Level III								
A th									
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Submission ID	05-01436 Ref ID So									
Title	Ability to Diabetic	Ability to Accurately Predict Intraoperative Clean Margins of Osteomyelitis in Diabetic Foot Infections Requiring Amputation								
Submit Date	10/15/2024									
Correspondent	Last Name: Full Name: Practice/Con	Gutting Austin L Gu 1pany/Residenc	tting, DPM vy Program:	Email: West Penn H	austin.gutting@gmail.com ospital					
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Purpose	The purpose amputations decreased ler	of this study is of the lower ex- ngth of stay and	to assess the accuracy of a surg tremity at the time of closure with hospital cost, and revision amp	eon's predictab ith the goal of r putations.	lity of clean margins following various educing usage of long-term antibiotics,					
Methodology	This study is infection with margins at th the proximal	This study is a retrospective chart review of patients who underwent various levels of amputation due to diabetic foot infection with underlying osteomyelitis. We examine operative notes to assess whether the surgeon suspected clean margins at the time of closure and surgical pathology reports to confirm the presence of osteomyelitis and involvement at the proximal margin.								
Procedures										
Results	We reviewed viable proxin following par amputation.	a total of 168 p nal bone margin rtial ray amputa	patients with confirmed osteomy n following toe amputation. 46/4 ttion. 29/33 (87.88%) patients h	yelitis on the su 48 (95.83%) pa ad viable proxi	rgical pathology. 83/87 (95.4%) patients had tients had viable proximal bone margin mal bone margin following transmetatarsal					
Discussions	The data sug foot infectior of unclear ma respect to res This will req of reducing u amputations.	The data suggests surgeons are highly accurate (94.05%) at intraoperative assessment of resecting osteomyelitis in diabetic foot infections confirmed by clean margins on surgical pathology. Transmetatarsal amputations had the highest proportion of unclear margins compared to toe amputation and partial ray amputation. Although we found a high success rate with respect to resecting osteomyelitis, more work is required to develop a standardized approach to assessing clean margins. This will require a collaborative effort between surgeon and pathologist to more accurately assess all patients with the goal of reducing usage of long-term antibiotics, decreasing length of stay and hospital cost, and minimizing revision								
Format	Scientific									
Case Rpt Followup	12									
Student Club										
Classification	Diabetic Foo	t								
Level of Evidence	Level III									
Authors/Financial D	isclosures									
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):					
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Submission ID	05-01437	05-01437 Ref ID Sci-1					
Title	Postoper and Non-	Postoperative Complications After Hammertoe Correction: The Influence of Tobacco and Non-Tobacco Nicotine					
Submit Date	10/15/2024						
Correspondent	Last Name:	Wang					
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	Practice/Con	npany/Residency Program:	University o	f Texas, Medical Branch-Galveston			
Authors	Author 1:	Joshua S Wang	Author 2:	Apurvakumar Patel			
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	Author 5:	Vinod K. Panchbhavi	Author 6:				
	Author 7:		Author 8:				
Purpose	Previous lite and increase necessitates on postopera nicotine use surgery.	Previous literature states that smoking status is associated with increased perioperative risk for impaired wound healing and increased complication rates following major surgical procedures. Hammertoe, a common foot deformity, often necessitates surgical intervention due to severe pain or mobility issues. The effect of both tobacco and non-tobacco nicotine on postoperative complications following hammertoe surgery remains unclear. This study aims to assess the impact of nicotine use (both tobacco and non-tobacco sources) on postoperative complications following hammertoe correction surgery.					
Methodology	A retrospecti electronic m surgery (CP and non-nico race, ethnicit	A retrospective cohort study was conducted using the TriNetX global health research network, which provides deidentified electronic medical records from 95 healthcare organizations. Patients aged 18 and older who underwent hammertoe surgery (CPT: 28285) were categorized into three cohorts: nicotine users, non-tobacco nicotine users (e.g., e-cigarettes), and non-nicotine users. Propensity score matching was employed to balance confounding variables, including age, sex, race, ethnicity, and comorbidities.					
Procedures							
Results	Postoperativ nicotine cohe 1.8%, 0.4%, well, with w	Postoperative complications were significantly higher in both nicotine cohorts compared to non-nicotine users. In the nicotine cohort, rates of wound disruption, infection, sepsis, deep vein thrombosis, and pulmonary embolism were 2.7%, 1.8%, 0.4%, 1.1%, and 0.4%, respectively. The non-tobacco nicotine cohort showed increased rates of complications as well, with wound disruption (2.4%), infection (1.8%), sepsis (0.3%), DVT (1.2%), and PE (0.4%).					
Discussions	This study de complication use in preope surgical outc	This study demonstrates that both tobacco and non-tobacco nicotine use significantly heightens the risk of postoperative complications following hammertoe corrective procedures, underscoring the importance of addressing all forms of nicotine use in preoperative assessments, and advocating for comprehensive patient education and cessation programs to improve surgical outcomes and patient safety.					
Format	Scientific						
Case Rpt Followup							
Student Club							
Classification	Wound Care	Wound Care/Infectious Diseases					
Level of Evidence	Level III						
Authors/Financial D	isclosures						
Full Name:	Email:	Disclosure(s) selected:		Disclosed Organisation(s):			

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Submission ID	05-01440				Ref ID Sci-1440	
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Title	Assessing Operative	the Impac Complica	et of Nicotine and Non-T ations in Patients with B	Fobacco Ni Bimalleolar	cotine Use on 90-Day Post Ankle Fractures	
Submit Date	10/15/2024					
Correspondent	Last Name:	Wang				
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	Practice/Comj	pany/Residenc	y Program:	University of	Texas, Medical Branch-Galveston	
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	Author 5: Author 7:	vinod K. Pai	nendnavi	Author 6: Author 8:		
Purpose	Nicotine is rec may be at great influence of n surgery.	cognized as a r ater risk for co icotine and not	isk factor for poor bone healing a mplications following surgery co n-tobacco nicotine use on major o	and overall heal ompared to non- complications v	th. Patients who are dependent on nicotine users. This study aims to investigate the vithin 90 days after bimalleolar ankle fracture	
Methodology	We conducted a retrospective analysis using deidentified patient data from the TriNetX global health database. Two groups were formed: one including patients with documented nicotine dependence (F17) or a personal history of nicotine dependence (Z87.891) who underwent surgical repair for bimalleolar ankle fractures (27808 or 27810), and a second group of patients without any nicotine dependence or use of non-tobacco nicotine products who underwent the same surgery. Data from 20 years ago up to October 12, 2024 were evaluated, and postoperative complications were assessed over a 90-day period.					
Procedures						
Results	The study ana variables such complications injury highligh	lyzed data from as age, gender in nicotine-de hting the addee	n 2930 nicotine-dependent patier r, race, comorbidities, and body r pendent patients. Complications d risks posed by nicotine depende	nts compared to mass index, the included wound ence in this surg	2390 non-users. After adjusting for key results showed a significantly higher rate of d disruption, infection, sepsis, and acute kidney cical population.	
Discussions	This study for within the 90- assessment an	and a significat day postoperat d interventions	nt association between nicotine d tive period following bimalleolar s of nicotine cessation to reduce a	ependence and ankle fracture adverse outcom	an increased likelihood of major complications surgery, highlighting the need for preoperative es and improve recovery.	
Format	Scientific					
Case Rpt Followup						
Student Club						
Classification	Epidemiology	Population St	udy			
Level of Evidence	Level III					
Authors/Financial Di	sclosures					
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):	
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Submission ID	05-01443	05-01443 Ref ID Sci-1443						
Title	Hypertrop the Achille	Hypertrophic Tendinopathy following Haglund's Resection and Secondary Repair of the Achilles Tendon, A Case Review Study						
Submit Date	10/15/2024							
Correspondent	Last Name:	Perry						
	Full Name: Practice/Comp	Donovan Perr	y, DPM Program:	Email: HCA Florida	donovanpdpm@ Northwest Hospit)gmail.com al		
Authors	Author 1:	Donovan Perr	y, DPM	Author 2:	Paloma De Leo	n, DPM		
	Author 3:	Justin Vilaseca	a	Author 4:	Alan MacGill, I	DPM		
	Author 7:			Author 8:				
Purpose	Chronic insert the Achilles te hypertrophy fo complication.	ional Achilles to ndon while rem bllowing Haglur	endinopathy (CIAT) with Haglu oving the deformity. This case nd's resection and secondary re	nd's deformity series examine pair, addressing	is often treated b s postoperative M g a gap in literatur	y detaching and reattaching RI confirmed Achilles tendon e regarding this potential		
Methodology	This retrospec with Haglund Achilles tendo (CSA) of the A paired t-test w	This retrospective study examined three patients who underwent debridement and secondary repair of the Achilles tendon with Haglund's resection. Inclusion criteria required both preoperative and postoperative MRI reports. Patients with Achilles tendon rupture or incomplete MRI data were excluded. MRI reports were used to analyze the cross-sectional area (CSA) of the Achilles tendon before surgery and at final follow-up. The CSA, percentage increase were analyzed, and a paired t-test was conducted to assess the significance of tendon hypertrophy.						
Procedures								
Results	Average preop respectively. A additional pati The CSA post	perative and pos an average of 16 ents were identi operatively of th	toperative cross-sectional area of 53.84% hypertrophy of the achi ified with hypertrophic healing hese patients were 401.87mm2	of the achilles t lles tendon pos reported on pos and 342.18mm	endon was 172.86 toperatively (rang stoperative MRI v 2.	5 mm2 and 438.96 mm2 ge of 30.38%- 256.48%). Two without preoperative imaging.		
Discussions	This study exp revealed signi MRI. We hypo hypertrophy. I understand the	blored Achilles t ficant postopera othesize that res However, the lin e implications of	tendon hypertrophy following H tive tendon hypertrophy, with a ection of Haglund's deformity a nited sample size precludes defi f this complication on surgical of	Haglund's resect an average increased and invasion of initive conclusion putcomes.	tion. Analysis of e ease of 163.84% i healthy calcaneal ons, necessitating	cases from 2018 to 2023 n three cases confirmed by l bone may contribute to this further research to		
Format	Scientific							
Case Rpt Followup	13							
Student Club								
Classification	Rearfoot and A	Ankle Reconstru	action					
Level of Evidence	Level II							
Authors/Financial Di	sclosures							
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):		
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Submission ID	05-01444					Ref ID Sci-1444		
Title	Outcomes	Outcomes of Ankle Valgus in Patients with Global Instability						
Submit Date	10/15/2024							
Correspondent	Last Name: Full Name: Practice/Comp	McCulley Hannah E. M any/Residency	cCulley / Program:	Email: Swedish Medi	hannah.mccull cal Center	ey@midwestern.edu		
Authors	Author 1:	Hannah E. M	cCulley, DPM	Author 2:	Supreet K. Dhi	llon, DPM		
	Author 3:	Jeffrey C. Ch Everett, WA	ristensen, DPM, FACFAS	Author 4:				
	Author 5:			Author 6:				
	Author 7:			Author 8:				
Purpose	The concept of replacement ou total ankle repl arthritis patien	f global instabi utcomes. It is k lacement (TAR ts compared w	lity of the ankle is poorly under mown that global instability can t) survivability. This paper explo- ith controls. Ancillary procedure	stood, especially lead to ankle v ores complications es that help norm	y regarding how algus wear and l on rates of this si- malize function	it affects total ankle ikely has negative effects on ubset of end-stage ankle will be explored in this setting.		
Methodology	This retrospect ankle valgus an preoperative an profile, and the	This retrospective cohort study evaluated 26 patients who underwent TAR by a single surgeon, focusing on those with ankle valgus and a minimum follow-up of 1 year. Two groups were identified: Group 1 consisted of patients with preoperative ankle valgus deformity and instability, while Group 2 included patients with no deformity, matched activity profile, and the implant type placed.						
Procedures								
Results	The valgus and bearing implar	cle group has s its.	ignificantly more complications	compared to co	ontrols, especial	ly in patients with mobile-		
Discussions	This study hig valgus alignme include a smal	hlights the imp ent. Fixed bear l sample size, 1	ortance of restoring functional a ing designs also have some prot unequal numbers of implant des	anatomy in thes ective qualities igns used, and a	e at-risk ankles i with this pathol spectrum of pa	n preventing reversion to ogical subset. Limitations thology encountered.		
Format	Scientific							
Case Rpt Followup	12							
Student Club								
Classification	Rearfoot and A	nkle Reconstr	uction					
Level of Evidence	Level III							
Authors/Financial Di	sclosures							
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):		
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Jeffrey C. Christensen DPM			Consultant/Advisor/Speaker (I	List all affiliatio	ons)	Paragon 28		
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Submission ID	05-01445					Ref ID Sci-1445
Title	When is I Patients U	Enough, Er Undergoing	ough? - Clinical an g Multiple Major U	id Patient Rep nplanned Reo	oorted Outc perations	omes of Charcot
Submit Date	10/15/2024					
Correspondent	Last Name:	Berkelbach				
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	Practice/Com	pany/Residenc	y Program:	Limb Preserv University of	vation and Defor f Maryland	mity Correction Fellowship at
Authors	Author 1:	Christopher .	J. Berkelbach, DPM	Author 2:	Jacob Wynes	, DPM, MS, FACFAS
	Author 3:	Hiba Mohiuo	ddin, DPM	Author 4:	Madeira Curr	y, DPM
	Author 5:			Author 6:		
	Author 7:			Author 8:		
Purpose	Charcot patie increased salv emotional tol unplanned rea	nts have a lifeti vageability, hov l. We evaluated operations after	ime risk of amputation of 1 wever patients often face mo the clinical outcomes of pa- their index procedure.	5%. Improvements onths to years in and atients who underwo	in the surgical m d out of surgery ent Charcot reco	nanagement of Charcot have which takes an economic and nstruction involving multiple
Methodology	We performed than 12 mont categorized a and patient re	d a retrospectiv hs of post-oper s major or mino ported outcome	e review of 145 patients tre ative follow-up were exclud or, planned or unplanned, ar es were collected.	ated surgically for (led. All operative ir nd to have taken pla	Charcot neuroart aterventions on t ace before or afte	hropathy. Patients with less he affected limb were or the index procedure. Clinical
Procedures						
Results	Charcot patie (range 1-17). and following reoperations v unplanned reo arthrodesis to Decision Sco	nts who underv 44.8% of patie g the index proc were percutane operations inclu a more proxim res.	vent surgical reconstruction nts underwent 3 or more su zedure was incision and dra ous procedures such as exo uded complete removal of h nal level. Patients who progr	underwent a media rgical procedures. I inage/extensive deb stectomy, and partia ardware, applicatio ressed to eventual a	in of 5 surgical p The most commo oridement. The n il hardware remo n of external fixe bove ankle amp	procedures on the affected limb on major operation both prior to toost common unplanned vval. The most common major ator, and progression of utation had lower LIMB-Q
Discussions	Patients unde and the impac	rgoing Charcot ct that may hav	reconstruction should be ir e on their overall outcome.	nformed of the high	likelihood of re	quiring unplanned reoperation
Format	Scientific					
Case Rpt Followup	12					
Student Club						
Classification	Rearfoot and	Ankle Reconst	ruction			
Level of Evidence	Level IV					
Authors/Financial D	isclosures					
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):
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Submission ID	05-00668			Ref ID Sci-668				
Title	Current Considerat and Ankle Surgeons	Current Considerations and Trends of Ankle Arthrodesis Among Reconstructive Foot and Ankle Surgeons						
Submit Date	08/15/2024							
Correspondent	Last Name: Hill							
	Full Name: Zachary Practice/Company/Resident	ey Program:	Email: Indy Foot and	zph1582@gmail.com Ankle Reconstructive Fellowship				
Authors	Author 1:Zachary P. FAuthor 3:Robert MenAuthor 5:	fill, DPM dicino, DPM	Author 2: Author 4: Author 6:	Andrew Regal, DPM J. Michael Miller, DPM				
	Author 7:		Author 8:					
Purpose	Ankle arthrodesis is a widel surgical techniques and peri study of prominent reconstr	y used procedure for treating ank operative management. To captur uctive foot and ankle surgeons fo	le arthritis, but t e the latest prac cusing on these	here is significant variation in the preferred tices and opinions, we conducted a survey key discussion areas.				
Methodology	The survey was developed b to 100 prominent reconstruct	The survey was developed by the researchers and consisted of 10 multiple-choice or write-in questions. This was then sent to 100 prominent reconstructive foot and ankle surgeons.						
Procedures								
Results	51 participants (51% respon most agreed upon (>75% ag incision approach (anterior (50 – 75% agreement) inclu traumatic arthritis - 58.8%), ankle arthrodesis (AA) over weeks - 66.7%). Factors lea definitions of final fusion po	se rate) were included. No compl reement) included choice of joint 84.3%), and use of orthobiologi ded indications for the procedure fixation construct (anterior plate total ankle replacement (TAR) (2 st agreed upon (<50% agreement ssition (variable), and use of auto	ete consensus w preparation (os cs for augmenta (ankle DJD wit with 1-2 screws 52.9%) and post) included surge graft (4%).	vas reached regarding any questions. Factors teotome, curette, and rongeur - 84.3%), tion (94%). Factors moderately agreed upon h valgus or varus deformity -66.7%, post- crossing the ankle joint - 60.8%), choice of -operative course (non-weight bearing 6-8 on choice of TAR over AA (47.1%),				
Discussions	Significant variation was no most up-to-date concepts an arthrodesis.	ted in answers to this questionnai d techniques currently utilized by	re. The findings foot and ankle	s of this survey study provide insight into the surgeons when performing an ankle				
Format	Scientific							
Case Rpt Followup								
Student Club								
Classification	Rearfoot and Ankle Recons	ruction						
Level of Evidence	Level IV							
Authors/Financial D	isclosures							
Full Name:	Email:	Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-00687					Ref ID Sci-687		
Title	Using pul nonunion	Using pulsed electromagnetic field (PEMF) stimulation to treat 5th metatarsal fracture nonunions						
Submit Date	09/23/2024							
Correspondent	Last Name: Full Name: Practice/Comj	Cowgill Ian A Cowgi pany/Residenc	ll, MS, MBA y Program:	Email: Orthofix	iancowgill@o	rthofix.com		
Authors	Author 1: Author 3: Author 5: Author 7:	William R A David Lin, E Olga L Gonz	dams, II, DPM, FACFAS DPM, FACFAS ralez, DPM	Author 2: Author 4: Author 6: Author 8:	Mark S Brom Daniel Perez,	son, MD DPM, FACFAS		
Purpose	Fifth metatars function. Adv. healing. Prior in patients at 1	al fracture non anced age, hig research show risk. The curren	unions are challenging to treat as h BMI, osteoporosis, smoking, a s that PEMF stimulation promot nt study further evaluates PEMF	nd are often ass nd diabetes are es bone healing treatment for 5	ociated with pro risk factors asso and can help ov th metatarsal no	olonged pain and reduced ociated with suboptimal bone vercome biological deficiencies nunions.		
Methodology	A multicenter treatment for :	A multicenter retrospective study was conducted at 5 research sites. Subjects were enrolled based on receiving PEMF treatment for 5th metatarsal nonunions. Time to radiographic fusion and the impact of various risk factors were evaluated.						
Procedures								
Results	Fifty-six (n=5 risk factors stu- started shortly The majority of risk factors studied, only	6) subjects we udied, 75% of s after the nonu of subjects hea (up to 5 total j nicotine use wa	re included in the analysis. Subjects had at least 1 risk factor ninon diagnosis, and the average led by 4 months (35/56, 62.5%) per subject) was associated with as associated with longer healing	ects were 89.3% associated with time from nonu and 75% of sub longer heal time times (p<0.0	o female with a 1 a compromised 1 nion diagnosis 1 jects (42/56) he es (p<0.03). ()4).	mean age of 59.7 years. Of the bone healing. PEMF treatment antif fusion was 154.7 days. aled by 6 months. The number Of the individual risk factors		
Discussions	Fifth metatars compromised risk factors. P	al nonunion su healing. The r EMF treatmen	bjects treated with PEMF achiev esults suggest that PEMF may at t is a beneficial nonoperative the	ved favorable tin tenuate compro rapy that can ai	ne to healing de mised healing a d 5th metatarsal	spite having risk factors for ssociated with some known nonunion healing.		
Format	Scientific							
Case Rpt Followup								
Student Club								
Classification	Trauma							
Level of Evidence	Level IV							
Authors/Financial Di	sclosures							
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):		
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Submission ID	05-00691				Ref ID Sci-691				
Title	Radiologi Fusion Co	Radiological Evaluation and Comparative Analysis of First Metatarsal-Cuneiform Fusion Constructs: Assessing Outcomes and Stability Across Varied Fusion Techniques							
Submit Date	08/19/2024								
Correspondent	Last Name: Full Name:	Lyons Katherine Lyo	ons, DPM	Email:	ksamuel@umich.edu				
	Practice/Com	pany/Residency	Program:	Trinity Health	Livonia				
Authors	Author 1:	Katherine Lyo	ons, DPM	Author 2:	Hoang Nguyen, DPM				
	Author 3:	Katelyn Cleyj	pool, DPM	Author 4:	Vanessa Adelman, DPM				
	Author 5:	Ronald Adeln	nan, DPM	Author 6:					
	Author 7:			Author 8:					
Purpose	The Lapidus intermetatars: recurrence. T metatarsal-cu fixation techr angle (IMA).	The Lapidus procedure has recurrence rates as high as 12% in the literature. Recent literature suggests addition of intermetatarsal and/or intercunciform screw fixation will enhance the overall stability of the fusion and reduce the risk of recurrence. There are no radiographic studies that compare outcomes of the addition of a transverse screw versus metatarsal-cuneiform screw or both. In this study we compare radiographic outcomes following three distinct Lapidus fixation techniques to determine most stable construct for achieving long-term stability and maintaining the intermetatarsal angle (IMA).							
Methodology	This is a retro medial plate f screw fixation cuneiform scr Secondary ou were recorded	This is a retrospective enrollment of 26 patients with 32 feet. A standard Lapidus procedure was performed with dorsal medial plate fixation with the addition of three different constructs: Group 1: Transverse intermetatarsal or intercuneiform screw fixation (n=11), Group 2: Metatarsal-cuneiform screw fixation (n=8), Group 3: Combined transverse and metatarsal- cuneiform screw fixation (n=13). Primary outcome: Maintenance of IMA correction, radiographs taken over 1 year period. Secondary outcomes: AOFAS scores evaluated through postoperative surveys conducted over 1-year period. Complications were recorded over 1 year period.							
Procedures									
Results	Lapidus proce Group 3 exhi year post op o nonunion, and	edure with all 3 bited a stronger compared to othe d excellent poste	constructs was effective in resto initial reduction in the IMA. Ma er two groups (p<0.05). All thre operative AOFAS scores.	oring medial mio aintenance of IN e groups had m	foot stability and preventing reoccurrence. AA was statistically significant in Group 3 at 1 inimal complications, no incidences of				
Discussions	Lapidus proc for stable IM.	edure with addit A correction ove	ion of combined transverse and er time.	metatarsal-cun	iform screw fixation is the strongest construct				
Format	Scientific								
Case Rpt Followup	12								
Student Club									
Classification	Forefoot Rec	onstruction							
Level of Evidence	Level III								
Authors/Financial D	isclosures								
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-00692					Ref ID Sci-692		
Title	Anatomi	Anatomic Evaluation of Percutaneous Flexor Tenotomy						
Submit Date	10/11/2024							
Correspondent	Last Name:	Henson-Ven	drell					
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	Practice/Company/Residency Program: Wake Forest University School of Medicine							
Authors	Author 1:	Devon Niew	ohner, DPM	Author 2:	Hayden Bush,	DPM		
	Author 3:	Lindsay LeS	avage, DPM	Author 4:	Ashleigh Well	s Medda, DPM, FACFAS		
	Author 5:	Paula Gango	padhyay, DPM, FACFAS	Author 6:				
	Author 7:			Author 8:				
Purpose	Lesser toe de infections, or utilized to co percutaneous digitorum lor surgeons with	esser toe deformities are common in diabetic patients, which can lead to increased risk of developing pressure ulcers, nfections, or amputations. A percutaneous flexor tenotomy (PFT) is a minimally invasive foot procedure frequently tilized to correct lesser toe deformities by cutting the flexor digitorum longus (FDL) in the affected toe with a blade or ercutaneously with an 18-gauge needle. The objectives of this study are to 1) evaluate the safety and efficacy of flexor figitorum longus needle PFT's and 2) assess whether efficiency of this procedure might change when performed by urgeons with different experience levels.						
Methodology	Fifty-four ca ensure integr	Fifty-four cadaveric toes, digits two through four, were used. Post-transection longitudinal dissection was performed to ensure integrity of plantar nerves and assess success of needle PFT in transecting the FDL.						
Procedures								
Results	Of 54 cases, statistically le surrounding rates between	only ten tenotor ess aptitude in t neurovascular s n digits, regardl	mies (18.5%) resulted in comple endon resection (~1.5 mm less r tructures were found intact in all ess of surgeon level.	te transections esection) comp l 54 cases. No c	of FDL tendons. ared to attending lifference was ob	Interns and residents exhibited s. Following dissection, sserved in overall transection		
Discussions	Regardless o anatomical st levels, with i may explore	Regardless of experience, percutaneous needle tenotomies are shown to be safe at preserving surrounding structures. Our anatomical study is the first to demonstrate the performance differences in PFT among surgeons with varying experience levels, with interns and residents showing less proficiency in tendon transection than attending physicians. Future research may explore necessary experience and case repetitions for a podiatric surgeon to exhibit proficiency in performing PFT's.						
Format	Scientific							
Case Rpt Followup	0							
Student Club								
Classification	Biomechanic	s and Anatomy						
Level of Evidence	Level IV							
Authors/Financial Di	sclosures							
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):		
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			Grant/Research funding			Department of Defense		

Submission ID	05-00706					Ref ID Sci-706	
Title	Evaluation Infected Dia	of Laborato abetic Foot	ry Inflammatory M Ulcers (DFU)	arkers Foll	owing A Bee	dside Debridement in	
Submit Date	08/25/2024						
Correspondent	Last Name: M Full Name: U Practice/Compar	Mughal Jmay R Mughal, ny/Residency Pro	DPM ogram:	Email: NYU Grossma	umay.mughal@ n Long Island Sc	nyulangone.org :hool of Medicine	
Authors	Author 1:FAuthor 3:AAuthor 5:AAuthor 7:	Raymond J Fergu Ashley T Russo, T	ion, DPM, FAFCAS DPM, MA, AACFAS	Author 2: Author 4: Author 6: Author 8:	April Bailey-Ma	aletta, DPM, FAFCAS	
Purpose	The purpose of t erythrocyte sedin monitor the treat diagnosis of DFU	his study is to de mentation rate (E ment of soft tiss J severity throug	termine diagnostic test accur SR), C-reactive protein (CR ue infection in a diabetic foo gh inflammatory markers wil	racy of commor P), procalcitoni t ulcer (DFU) fo l assist in reduc	nly used inflamm n, and white cell ollowing a bedsic ing impact on qu	atory markers such as count to diagnose and le debridement. Accurate ality of life.	
Methodology	In this retrospect treatment of soft consecutive patie erythrocyte sedin fasting glucose, a and standard the or gas gangrene	In this retrospective cohort study, we assessed the effectiveness of inflammatory markers to diagnose and monitor the treatment of soft tissue infection in a diabetic foot ulcer (DFU) following a bedside debridement. We evaluated 30 consecutive patients diagnosed with soft tissue emphysema and compared various inflammatory markers including erythrocyte sedimentation rate (ESR), C-reative protein (CRP), white blood cell (WBC) with neutrophil percentage, non-fasting glucose, and hemoglobin A1C levels upon initial emergency department encounter and after a bedside debridement and standard therapy. Inclusion criteria included diabetic patients with Type 2 Diabetes diagnosed with necrotizing fascilits or gas gangrene with a or without peripheral arterial disease.					
Procedures							
Results	Our results sugg decrease signific	est that CRP rem antly.	ains relatively stagnant even	after a post-del	bridement while	ESR and WBC markers	
Discussions	These indicative suggest which di tissue infection.	values may be u agnostic marker	sed as a guide when decidin is most beneficial in monito	g if patients are ring patients wi	at a higher risk f th diabetic foot u	or poor outcomes and can llcers complicated by a soft	
Format	Scientific						
Case Rpt Followup	6						
Student Club							
Classification	Diabetic Foot						
Level of Evidence	Level II						
Authors/Financial D	isclosures						
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):	
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Submission ID	05-00718	05-00718 Ref ID Sci-7							
Title	Early We Base Fra	Early Weight Bearing Protocol For Operative Treatment Of Zone 1 Fifth Metatarsal Base Fractures							
Submit Date	10/14/2024								
Correspondent	Last Name: Full Name: Practice/Com	Malik Shoueb Malik DPM many/Residency Prog	Л ram:	Email: OrthoIllinois I	shouebmmalik@ Foot and Ankle Su)gmail.com Irgery Fellowship			
Authors	Author 1: Author 3: Author 5: Author 7:	Matthew Sorenson	DPM FACFAS	Author 2: Author 4: Author 6: Author 8:					
Purpose	Zone 1 fractu weight-bearin purpose of th regular shoes	res of the fifth metata ng but this resulted in is study is to evaluate at 2 weeks post-op w	rsal base have historically significant lower extremit ORIF of zone 1 fractures ith the perceived benefit o	been treated co y atrophy and p in the context o f mitigating atr	onservatively with prolonged time ou of immediate weig rophy and early re	6 weeks of immobilized t of sport or work. The ht-bearing and return to turn to activity.			
Methodology	36 patients un and 13 males intervals. The week interval walking, biki activity such	36 patients underwent ORIF of zone 1 fifth metatarsal base fractures. Out of the 36 patients there were 23 females (63.8%) and 13 males (36.1%). The average age of the patient cohort was 49.1 (Range 16-76). Serial x-rays were taken at 2 week intervals. The postoperative protocol for all 36 patients was immediate weight bearing in a CAM boot for 2 weeks. At the 2 week interval patients were transitioned into a supportive gym shoe and allowed to begin low-impact activities such as walking, elliptical training and swimming. At the 6 week interval patients were allowed to return to full unrestricted activity.							
Procedures									
Results	36/36 (100%) the 6 week in) patients were able to terval. All 36 patients	begin non-ballistic activit showed fracture union at	ty at the 2 week the 6 week inte	t interval and return rval.	rn to high impact activity at			
Discussions	Standard con functional rel individuals, a	servative and surgical habilitation. Our early thletes, and those nee	protocols typically requir weight-bearing protocol i ding to resume work with	e at least six we s crucial for fac out weight-bear	eeks of immobiliz cilitating a swift re ring restrictions.	ation before starting eturn to activity for active			
Format	Scientific								
Case Rpt Followup	12								
Student Club									
Classification	Trauma								
Level of Evidence	Level IV								
Authors/Financial D	isclosures								
Full Name:	Email:	1	Disclosure(s) selected:			Disclosed Organisation(s):			
Matthew Sorenson DPM FACFAS	matthew.sorenser	n@orthoillinois.com	Consultant/Advisor/Speak	er (List all affi	liations)	Stryker Orthopedics, Medline Unite foot & Ankle, Enovis Foot & Ankle			

Submission ID	05-00720 Ref ID So							
Title	Outcomes Peroneal N	Outcomes and Complication Rate with Pre-operative Ultrasonographic Superficial Peroneal Nerve Mapping in Patients Undergoing Ankle Arthroscopy						
Submit Date	10/08/2024							
Correspondent	Last Name:	Verdoni						
	Full Name: Practice/Comp	Tyler J. Verdo any/Residency	ni, DPM AACFAS Program:	Email: Florida Ortho	tyler.verdoni@gmail.com pedic Foot and Ankle Center (FLOFAC)			
Authors	Author 1: Author 3: Author 5: Author 7:	Tyler J. Verdo James M. Cott	ni, DPM AACFAS tom, DPM FACFAS	Author 2: Author 4: Author 6: Author 8:	Jay S. Badell, DPM FACFAS			
Purpose	To present our undergoing anl	results utilizing cle arthroscopy	g routine preoperative ultrasono	ographic superf	cial peroneal nerve mapping in patients			
Methodology	We prospective procedure, and Patients who w preoperatively operatively and of the superfici	We prospectively followed 25 patients over a 1 year time period. Patient demographics, gender, laterality, surgical procedure, and BMI were all recorded. Patients who were booked for ankle arthroscopy were included in the study. Patients who were lost to follow up were excluded from the study. Patients underwent routine diagnostic ultrasound preoperatively to map the course of the superficial peroneal nerve and marked. AOFAS/VAS scores were obtained pre operatively and at final follow up (1 year follow up). Nerve irritation was defined as neurologic symptoms along the course of the superficial peroneal nerve distal to the ankle. Both the mean and standard deviation were also recorded.						
Procedures								
Results	1 patient (4%) pre-existing irr preoperatively, improved pre t	1 patient (4%) had irritation to the superficial peroneal nerve during lateral ankle portal placement. 3 patients (12%) had pre-existing irritation to the nerve where 1 patient (4%) had resolved symptoms at the end of the study. VAS scores (6.52 preoperatively, 1.04 at final follow up) and AOFAS scores (35.36 preoperatively, 95.51 at final follow up) significantly improved pre to post operatively.						
Discussions	In our practice, reconstruction, nerve but also quick and simp	, we perform ar Since utilizing alter the lateral ole technique to	the arthroscopy routinely as ar pre operative ultrasound, we h portal placement as needed to reduce injury to the superficia	ancillary proce ave been able t avoid the nerve l peroneal nerve	edure during elective and traumatic ankle o not only decrease iatrogenic injury to the . We hope foot and ankle surgeons utilize this e.			
Format	Scientific							
Case Rpt Followup								
Student Club								
Classification	Arthroscopy							
Level of Evidence	Level IV							
Authors/Financial Di	sclosures		Discharge (s) subsets h					
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Submission ID	05-00743					Ref ID Sci-743		
Title	Efficacy of a	Efficacy of a Porcine Pericardium Nerve Wrap in Peripheral Nerve Surgery						
Submit Date	09/11/2024							
Correspondent	Last Name: Ad Full Name: Wi	lams illiam		Email:	wil.adams86@)gmail.com		
	Practice/Company/	/Residenc	y Program:	Henry Count Medicine	y Center for Orth	opedic Surgery and Sports		
Authors	Author 1: Na Author 3: Ke	than Nam ly Peasle	anny, DPM, AACFAS y, NP	Author 2: Author 4:	William JE Ad	lams, DPM, FACFAS		
	Author 5:			Author 6:				
	Author 7:			Author 8:				
Purpose	Peripheral nerve di Nerve surgery is a relief and scar tissu enhance outcomes	isorders, p growing s ue formati in patient	particularly in the lower extre subspecialty in podiatric and on. This study aimed to asse s treated with neurectomy on	emity, pose signific orthopedic surgery ss whether an acell neurolysis surgery	ant challenges fo y, yet it is often co lular porcine perio y.	or both clinicians and patients. omplicated by incomplete pain icardium nerve graft could		
Methodology	A retrospective stu- months, average w surgery (PNS). Exc	A retrospective study was conducted with 23 patients, and 24 feet. Minimum follow-up time was 2 months, max was 36 months, average was 9.3 months. Inclusion criteria was foot or ankle pain that could be improved with peripheral nerve surgery (PNS). Exclusion criteria were patients with previous history of PNS in the same extremity.						
Procedures								
Results	There were 23 pati group was 7.1, and group.	ients in the 17.1 for th	e study, and 24 feet. The mea he graft group. Mean post-op	n pre-op Visual An VAS pain scores f	nalogue Scale (Va for the control wa	AS) pain scores for the control as 3.3, and 0.4 for the graft		
Discussions	The results of our s an acellular porcing graft during their s PNS groups did we	The results of our study show that there is a statistically significant difference in VAS pain scores for patients that receive an acellular porcine nerve graft during their surgery versus the group that did not. Furthermore, patients that received the graft during their surgery were more likely to agree that they were satisfied with the result of their surgery. Overall both PNS groups did well as a whole.						
Format	Scientific							
Case Rpt Followup								
Student Club								
Classification	Neurological/Perip	oheral Ner	ve Disorders					
Level of Evidence	Level II							
Authors/Financial D	isclosures							
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):		
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Kelly Peasley, NP	kpeasley@gmail.con	n	I/We have nothing to discle	ose				

Submission ID	05-00745			Ref ID Sci-745				
Title	Comparative Outcomes of Early Surgical Intervention vs. Conservative Management in Diabetic Foot Ulcers with Osteomyelitis							
Submit Date	10/16/2024							
Correspondent	Last Name: Casimir							
	Full Name: Steffi C Practice/Company/Resi	asimir, B.S.,M.S. dency Program:	Email: Samuel Mer	stefficasimirpod@gmail.com ritt University College of Podiatric Medicine				
Authors	Author 1: Steffi C Author 3: Author 5: Author 7:	asimir, B.S.,M.S.	Author 2: Author 4: Author 6:	Harmehak Kaur, B.S.				
Purpose	This study aims to com (DFUs) complicated by time, infection resolution debridement improves of foot management.	Autnor 7: Autnor 8: This study aims to compare early surgical intervention and conservative management in treating diabetic foot ulcers (DFUs) complicated by osteomyelitis. The objective is to determine the effectiveness of each approach concerning healing time, infection resolution, amputation rates, and hospital stay duration. By providing evidence on whether early surgical debridement improves outcomes, the study seeks to guide podiatric surgeons in optimizing treatment protocols for diabetic foot management						
Methodology	A retrospective analysis was conducted. The pat bone resection) and 50 healing, infection resolu independent t-tests, wit	A retrospective analysis of 100 patients with DFUs and osteomyelitis treated between January 2018 and December 2023 was conducted. The patients were divided into two groups: 50 who received early surgical intervention (debridement or bone resection) and 50 managed conservatively with antibiotics and wound care. Outcome measures included time to healing, infection resolution, amputation rates, and hospital stay duration. Data were analyzed using chi-square and independent t-tests, with a significance level of p <0.05.						
Procedures								
Results	Patients in the surgical vs. 75%, p<0.05 surgical group (7 vs. 14	group experienced faster her i), and lower amputation rate days, p<0.05).	ling (8 vs. 16 weeks, p es (5% vs. 15%, p&am	& amp;lt;0.05), higher infection resolution (90% p;lt;0.05). Hospital stays were also shorter in the				
Discussions	Early surgical intervent and reduced amputatior to yield rapid progress i findings.	ion was associated with sup as. These findings suggest th in DFUs with osteomyelitis.	erior outcomes, includi at early surgery should Further prospective re	ng faster wound healing, better infection control, be considered when conservative treatment fails search is recommended to validate these				
Format	Scientific							
Case Rpt Followup								
Student Club								
Classification	Diabetic Foot							
Level of Evidence	Level III							
Authors/Financial D	visclosures							
Full Name:	Email:	Disclosure(s) sele	cted:	Disclosed Organisation(s):				
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Submission ID	05-00746			Ref ID Sci-746	
Title	The Impact of Multid Diabetic Foot Ulcers:	lrug-Resistant Organi A Retrospective Study	sms (MDR y	Os) on Healing Outcomes in	
Submit Date	10/16/2024				
Correspondent	Last Name: Casimir Full Name: Steffi Casimir, Practice/Company/Residency	B.S.,M.S. Program:	Email: Samuel Merrit	stefficasimirpod@gmail.com tt University College of Podiatric Medicine	
Authors	Author 1: Steffi Casimir, Author 3: Arman Kirako Author 5: Author 7:	B.S.,M.S. sian, DPM, FABPM, FAAFAS	Author 2: Author 4: Author 6: Author 8:	Harmehak Kaur, B.S.	
Purpose	This study investigates the imp ulcers (DFUs), focusing on un MRSA, VRE, and ESBL-prod antibiotic regimens.	pact of multidrug-resistant orga derserved and minority popula ucing organisms, and evaluate	nisms (MDRO tions. It aims to the effectivene	s) on the healing outcomes of diabetic foot assess the prevalence of MDROs, including ss of current wound care strategies and	
Methodology	A retrospective study was conducted using medical records from 300 diabetic patients with foot ulcers treated at an urban healthcare center over five years. Patients were divided into MDRO-infected and non-infected groups based on wound culture results. Data on demographics, comorbidities, ulcer characteristics, treatments, and outcomes were analyzed. Special attention was given to socioeconomic and minority status to assess disparities in infection management.				
Procedures					
Results	Among the patients, 40% had infected patients exhibited sig rates (30% vs. 12%, p< (25% vs. 10%, p<0.05 affected, comprising 65% of N	MDRO-infected DFUs, with M nificantly longer healing times (0.05), increased hospitalizatio). Minority patients, particularly (DRO cases, with poorer healing	IRSA being the (median 16 vs. ns (45% vs. 20' y African Amer ng outcomes.	most prevalent pathogen (55%). MDRO- 10 weeks, p<0.05), higher recurrence %, p<0.05), and more amputations icans and Hispanics, were disproportionately	
Discussions	MDRO infections in DFUs lea need for early detection and a should focus on effective MDI populations.	id to worse clinical outcomes, j ggressive treatment, along with RO management and reducing	particularly in r addressing hea inequities in ca	ninority populations. The study highlights the lthcare access disparities. Further research re to improve outcomes for underserved	
Format	Scientific				
Case Rpt Followup					
Student Club					
Classification	Wound Care/Infectious Diseas	ies			
Level of Evidence	Level III				
Authors/Financial D	visclosures				
Full Name:	Email:	Disclosure(s) selected:		Disclosed Organisation(s):	
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FABPM, FAAFAS

Submission ID	05-00752			Ref ID Sci-752				
Title	Circles of volunteer snapshot.	Circles of volunteerism in the podiatric profession: 2023-2024 large organization snapshot.						
Submit Date	09/16/2024							
Correspondent	Last Name: Meyr Full Name: Andrew J. M Practice/Company/Residend	leyr, DPM FACFAS En y Program: Ter	nail: ajmeyr@gmai mple University Hospital	l.com				
Authors	Author 1:Asmaa IbraAuthor 3:Andrew J. MAuthor 5:Author 7:	im, DPM Au feyr, DPM FACFAS Au Au Au	tthor 2: Jeneen Elagha tthor 4: tthor 6: tthor 8:	, DPM				
Purpose	The objective of this invest the 2023-2024 academic ye collaboration and cooperati volunteerism.	The objective of this investigation was to describe a cross-section of large podiatric national organization volunteers during the 2023-2024 academic year. The specific aims were to 1) investigate multi-organization volunteerism, 2) promote collaboration and cooperation between organizations, and 3) provide a visual representation of large podiatric organization volunteerism.						
Methodology	Public volunteer listings fro itemized and cross-analyzed	m ABFAS, ABPM, ACFAS, APMA a . Descriptive statistics were performe	and CPME during the 2023- ed.	2024 academic year were				
Procedures								
Results	We identified 667 individual volunteers recognized by ABFAS (n=162), ABPM (n=67), ACFAS (n=304), APMA (n=128) and the CPME (n=155). 167 (17.4%) of these individuals volunteered with >1 large organization over this time frame. 15.4% of ACFAS volunteers also volunteered with ABFAS, 1.3% of ACFAS volunteers also volunteered with ABPA, 5.6% of ACFAS volunteers also volunteered with APMA, and 10.8% of ACFAS volunteers also volunteered with the CPME. In a comparison between the 5 organizations, ACFAS had the highest number of volunteers who additionally volunteered with other organizations.							
Discussions	These results demonstrate h members, both within the o and support the concept of	igh levels of volunteerism associated ganization and more broadly through olunteerism throughout the professio	with American College of I a the profession. It is our ho on.	Foot and Ankle Surgeons pe that these results encourage				
Format	Scientific							
Case Rpt Followup								
Student Club								
Classification	Epidemiology/Population S	udy						
Level of Evidence	Level III							
Authors/Financial Di	isclosures			B 1 1 B 1 <i>d</i> ()				
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		Member of a medical publication board	1 or editorial governing	JFAS				

Submission ID	05-00753			Ref ID Sci-753				
Title	Circles of service in snapshot.	Circles of service in the podiatric profession: 2023-2024 professional service position snapshot.						
Submit Date	09/16/2024	09/16/2024						
Correspondent	Last Name: Meyr Full Name: Andrew J. M Practice/Company/Residency	eyr, DPM FACFAS Program:	Email: ajmeyr@gm Temple University Hospital	ail.com				
Authors	Author 1:Jeneen ElaghAuthor 3:Andy MeyrAuthor 5:Author 7:	a, DPM	Author 2: Asmaa Ibrah Author 4: Author 6: Author 8:	nim, DPM				
Purpose	The objective of this investig academic year. The specific a collaboration and cooperation areas for growth.	The objective of this investigation was to describe a cross-section of professional service positions during the 2023-2024 academic year. The specific aims were to 1) recognize multi-organizational volunteerism in service positions, 2) promote collaboration and cooperation between organizations, and 3) provide organizations with a visual representation of potential areas for growth.						
Methodology	For the purposes of this inves fellowship program directors individuals were identified an ACFAS, APMA and CPME.	For the purposes of this investigation, professional service positions were defined as residency program directors, fellowship program directors, podiatric medical school faculty, and APMA House of Delegates participants. These individuals were identified and evaluated for their board certification status and volunteerism with ABFAS, ABPM, ACFAS, APMA and CPME.						
Procedures								
Results	Residency program directors qualification/certification (88 respectfully), high rates of A (8.4% and 12.5%, respectfull certification and volunteerism APMA House of Delegates c	Residency program directors and fellowship program directors demonstrated relatively high rates of ABFAS qualification/certification (88.7% and 91.2%, respectfully), relatively low rates of ABPM certification (27.7% and 16.2%, respectfully), high rates of ACFAS volunteerism (13.3% and 28.8%, respectfully), high rates of ABFAS volunteerism (8.4% and 12.5%, respectfully), and high rates of CPME volunteerism (16.8% and 11.3%). These rates of board certification and volunteerism were substantially higher than those observed in the podiatric medical school faculty and APMA House of Delevates cohorts.						
Discussions	These results demonstrate the members and volunteers in p that these results encouraged	importance and high activity le rofessional education activities, j and support the concept of volu	vels of American College of particularly residency and fel nteerism throughout the profe	Foot and Ankle Surgeons llowship training. It is our hope ession.				
Format	Scientific							
Case Rpt Followup Student Club								
Classification	Epidemiology/Population Stu	ıdy						
Level of Evidence	Level III							
Authors/Financial Di	isclosures							
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		Intellectual Property rights ov	vned	PodArt, Anatomic Meditation				
Andy Meyr	ajmeyr@gmail.com	Serve in an official capacity (other medical or podiatric org	elected or appointed) for any ganization(s)	AACPM, ACFAS, COTH				
		Member of a medical publica board	tion or editorial governing	JFAS				

Submission ID	05-00754 Ref ID Sci-754							
Title	Prediction arthrodes	Prediction of angular correction following first metatarsal-phalangeal joint arthrodesis.						
Submit Date	09/16/2024							
Correspondent	Last Name: Full Name: Practice/Comp	Meyr Andrew J. Meyr, pany/Residency Pro	DPM FACFAS ogram:	Email: Temple Univer:	ajmeyr@gmail. sity Hospital	com		
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Purpose	It is well estab first intermeta investigation v operative valu	It is well established that the first metatarsal-phalangeal joint arthrodesis procedure will provide some correction of the first intermetatarsal angle. But while this has previously been investigated as an association, the objective of this investigation was to consider intermetatarsal angle change as a continuous variable and to specifically correlate it with pre- operative values.						
Methodology	Radiographs f Recorded vari hallux interph	Radiographs from 57 consecutive first metatarsal-phalangeal joint arthrodeses meeting selection criteria were evaluated. Recorded variables included the first intermetatarsal angle (IMA), hallux valgus angle (HVA), tibial sesamoid position, and hallux interphalangeus angle.						
Procedures								
Results	A negative Per IMA (Pearson expect greater correction mig intraoperative pre-operative over 5 degrees	A negative Pearson correlation was observed between the pre-operative first IMA and intraoperative change in the first IMA (Pearson -0.5016; p<0.001). This means that with progressively increased levels of pre-operative IMA, one might expect greater IMA correction. And for every one degree of pre-operative IMA deformity over 7.5 degrees, 0.57 degrees of correction might be expected. A negative Pearson correlation was observed between the pre-operative HVA and the intraoperative change in the first HVA (Pearson -0.7723; p<0.001). This means that with progressively increased levels of pre-operative HVA, one might expect greater HVA correction. And for every one degree of pre-operative HVA deformity over 5.4 degrees, 0.58 degrees, 0.54 degrees of HVA correction might be expected.						
Discussions	Results of this following first operative pred	investigation demo metatarsal-phalang iction of expected a	onstrate a statistical correlati geal joint arthrodesis, and m angular correction following	on beyond an as ight provide foot g the procedure.	sociation of IMA and ankle surge	A and HVA correction cons with a degree pre-		
Format	Scientific							
Case Rpt Followup								
Student Club								
Classification	Forefoot Reco	nstruction						
Level of Evidence	Level III							
Authors/Financial D	oisclosures							
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):		
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			Member of a medical publ board	ication or editori	al governing	JFAS		

Submission ID	05-00757					Ref ID Sci-757				
Title	Applicant perception and content exploration of the 2024 podiatric residency interview process.									
Submit Date	09/17/2024	09/17/2024								
Correspondent	Last Name: Full Name: Practice/Com	Meyr Andrew J. Me pany/Residency	yr, DPM FACFAS Program:	Email: Temple Unive	ajmeyr@gmai rsity Hospital	l.com				
Authors	Author 1: Author 3: Author 5: Author 7:	Jeneen Elagha Andy Meyr	, DPM	Author 2: Author 4: Author 6: Author 8:	Isana Fils-Aim	ie, DPM				
Purpose	Considerable relatively little this investigat Residency Int	Considerable resources are dedicated to the podiatric residency interview by both students and programs. Despite this, relatively little is known about student perception of the process, nor the format and content of interview. The objective of this investigation was to organize experiences of fourth-year podiatric medical students following the 2024 Centralized Residency Interview Program (CRIP) process.								
Methodology	An anonymou	s and voluntary	survey was developed and mad	le available to f	ourth year podia	tric medical students.				
Procedures										
Results	It was common for there to be academic, social/personal, case work-up, and rapid-fire academic question components to the interview. It was also very common to be provided with the opportunity to ask programs questions. It was relatively uncommon for there to be ethical/moral questions, personality/psychologic assessments, logic assessments and hands-on demonstrations. Relatively high yield academic topics included plain film radiography interpretation, rearfoot/ankle osseous trauma, diabetic foot infection, advanced imaging interpretation, and fixation constructs/principles. When evaluating programs, students placed high value on surgical volume, surgical variety, relative resident autonomy, program location, exposure to outpatient clinics, salary, future connections as a program alumnus, unique off-service rotations, exposure to business management/coding/billing, scope of practice, exposure to inpatient management, resident salary, and who the senior con-residents would be									
Discussions	The results of to the percept	this investigatio on, format and o	n provide unique information t content of the podiatric residen	for both medical cy interview pro	students and re ocess.	sidency programs with respect				
Format	Scientific									
Case Rpt Followup Student Club	E · 1 · 1									
Classification	Epidemiology	Population Stud	цу							
	1									
Authors/Financial Di	sclosures Email:		Disclosure(s) selected:			Disclosed Organisation(s):				
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			Intellectual Property rights ov	vned		PodArt, Anatomic Meditation				
Andy Meyr	ajmeyr@gmail.c	om	Serve in an official capacity (other medical or podiatric org	elected or appoi anization(s)	inted) for any	AACPM, ACFAS, COTH				
			Member of a medical publica board	tion or editorial	governing	JFAS				

Submission ID	05-00759					Ref ID Sci-759		
Title	An Evaluat	An Evaluation of Pointe Readiness Criteria at a Professional Institutional Level						
Submit Date	09/17/2024							
Correspondent	Last Name: C Full Name: S Practice/Compar	Campbell Sibella S. Camp 1y/Residency Pr	bell MA, PMS-IV rogram:	Email: Arizona Colle	sibella.campbel ge of Podiatric M	l@midwestern.edu ledicine		
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Purpose	Ballet dancers, w physical and mer pointe readiness conduct an adeq when determinin	who perform en ntal preparedne: in young dance uate readiness e og pointe readin	pointe, experience higher in ss before beginning pointe tr rs and it is common for recre valuation. This study's purpo ess at an elite level.	cidence of pain aining is vital. C eational studios ose was to deter	to the lower extre Currently, no guid to lack instructor mine what criteria	emity, and injury. Thus, lelines exist for determining s with the proper training to a and factors are considered		
Methodology	Twenty-two elite examinations are 2023-2024 Pre-F	Twenty-two elite dance companies were surveyed across the United States to determine what guidelines, criteria, and examinations are utilized to determine pointe readiness in young dancers. Programs were selected from Dance Magazine's 2023-2024 Pre-Professional Program Guide. Only elite training programs were included.						
Procedures								
Results	The survey show flexibility/streng 63.6% of dancer	ved 72.2% of pr th, proper techr s have 4-6 years	ograms design their own rea hique/alignment, and the stud s of training and 85.7% are 1	diness guideline lent's experienc 1-12 years old y	es. Many response e level as the mos when starting poin	es allude to ankle st crucial factors to consider. nte.		
Discussions	In conclusion, no literature shows readiness before decreasing the m practices for point	In conclusion, no standard guideline for evaluating pointe readiness is currently used at the elite level. However, the literature shows that pointe work is associated with increased risk of injury in dancers. Proper training and adequate readiness before beginning transition to pointe work, helps minimize the risk of injury later in their training. Thus, decreasing the need for long term treatment or potential surgeries in the future. Development of guidelines based on best practices for pointe readiness could benefit young dancers.						
Format	Scientific							
Case Rpt Followup	0							
Student Club								
Classification	Epidemiology/P	opulation Study						
Level of Evidence	Level V							
Authors/Financial D	oisclosures							
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Submission ID	05-00762			Ref ID Sci-762			
Title	Characteristics of current professional podiatric organization leaders as students.						
Submit Date	09/21/2024						
Correspondent	Last Name: Meyr Full Name: Andrew J. Mey Practice/Company/Residency	yr, DPM FACFAS Program:	Email: ajmeyr@gma Temple University Hospital	il.com			
Authors	Author 1:Jeneen Elagha.Author 3:Andrew J. MegAuthor 5:Author 7:	DPM yr, DPM FACFAS	Author 2: Asmaa Ibrahi Author 4: Author 6: Author 8:	m, DPM			
Purpose	The objective of this investiga characteristics of these individ	tion was to survey contemporary uals when they were students.	y podiatric organizational lead	ders in an attempt to elucidate			
Methodology	An electronic anonymous survey was developed attempting to determine student characteristics and volunteer organizational involvement during medical school. The survey was sent to the executive directors of leading national podiatric organizations including AACPM, ABFAS, ABPM, ACFAS, APMA, COTH, and the CPME. Only DPM responses were included.						
Procedures							
Results	A survey response rate of 79.7% was achieved. During school it was most common to be involved with ACFAS student chapters (63.3%), APMSA (44.9%), and with student government/class council (28.6%). During their professional careers, it was most common to be involved with a state society (81.8%), APMA (63.0%) and ACFAS (51.9%). Perhaps somewhat surprisingly, a majority of respondents reported that they did not serve in a leadership role with these student organizations (54.5%), and that they did not anticipate going on to a leadership role during their professional careers (58.2%). However, if not overwhelmingly serving in leadership positions during school, this group did demonstrate high levels of other extra-curricular academic activity and volunteerism.						
Discussions	This investigation describes cl students. It is our hope that thi profession.	aracteristics and considerable v s recognizes, encourages and su	olunteerism of current podiat pports the concept of volunte	ric organizational leaders as erism throughout the podiatric			
Format	Scientific						
Case Rpt Followup							
Student Club							
Classification	Epidemiology/Population Stud	ly					
Level of Evidence	Level V						
Authors/Financial D	visclosures						
Full Name:	Email:	Disclosure(s) selected:		Disclosed Organisation(s):			
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FACFAS	ajinej, wgmuneom	Member of a medical publicate	ion or editorial governing	JFAS			

Submission ID	05-00782					Ref ID Sci-782			
Title	Procedure-Specific Plate Provides Improved Construct Strength as Compared to Traditional Fixation Techniques in Medial Malleolus Fractures								
Submit Date	10/11/2024								
Correspondent	Last Name: Full Name: Practice/Com	Johnson James, W., Jo pany/Residenc	ohnson, Ph.D. y Program:	Email: Enovis	james.johnson	@enovis.com			
Authors	Author 1: Author 3: Author 5: Author 7:	Shannon Kir Mia Fiacchi Tyler Touche Daniel Perez	ng et, Ph.D. 2 MD	Author 2: Author 4: Author 6: Author 8:	Leah Buch James Johnson Jason Bariteau David Safrans	n, Ph.D. 1 MD ki, Ph.D.			
Purpose	Medial malle methods, suc outcomes. Re study aimed t The purpose for medial ma	Medial malleolus fractures require stable fixation to promote effective healing and reduce complications. Traditional methods, such as AO tension band wiring and interfragmentary screws, have demonstrated variable biomechanical outcomes. Recent procedure-specific plates have been developed to offer enhanced fixation strength and consistency. This study aimed to assess the mechanical stability provided by one such plate compared to other common fixation constructs. The purpose of this study was to evaluate and compare the biomechanical performance of three different fixation methods for medial malleolus fractures, a procedure-specific plate. AO tension band wiring and two interfragmentary screws							
Methodology	The study sin procedure-sp failure test wa Statistical and	The study simulated medial malleolus fractures in Sawbones anatomical models. Three fixation constructs were tested: the procedure-specific plate, AO tension band wiring, and two bicortical interfragmentary screws (N=8/group). A load-to-failure test was conducted, applying a load at 0.2 mm/second until catastrophic failure [stiffness (N/mm), failure force (N)]. Statistical analysis was performed using a one-way ANOVA with Tukey post hoc test.							
Procedures									
Results	The Plate gro to AO tension	up demonstrate 1 band wiring (2	ed significantly higher stiffne 30.5 N/mm, 430.5 N) and two	ss (mean 148.9 N/ o interfragmentary	/mm) and failure / screws (70.0 N/	force (mean 1239 N) compared mm, 570.5 N) (p<0.001).			
Discussions	The results in band wiring a This improve	dicate that the and interfragme d mechanical s	procedure specific plate prov entary screws, making it a pot tability may reduce the risk o	ides superior bion entially more relia f implant failure a	nechanical fixation able option for m and improve pation	on compared to AO tension edial malleolus fracture repair. ent outcomes.			
Format	Scientific								
Case Rpt Followup	0								
Student Club									
Classification	Biomechanic	s and Anatomy							
Level of Evidence	Level V								
Authors/Financial D	isclosures								
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Submission ID	05-00790 Ref ID \$								
Title	AVASCULAR NECR BEAMING	AVASCULAR NECROSIS OF THE TALUS FOLLOWING CHARCOT MIDFOOT BEAMING							
Submit Date	09/28/2024								
Correspondent	Last Name: Grant-McDona	ıld							
	Full Name: Grant-McDona	ıld	Email:	lisa.m.grantmed	lonald@gmail.com				
	Practice/Company/Residency	Program:	Eastern Virgin	ia Adult Reconst	ruction and Limb Salvage				
Authors	Author 1: Lisa M Grant-I	McDonald DPM FACFAS	Author 2:	Junaid Khazi D	PM				
	Author 3:		Author 4:						
	Author 5:		Author 6:						
	Author 7:		Author 8:						
Purpose	Avascular necrosis (AVN) of the death from impaired vascular s risk factors of talar AVN follow well-defined.	he talus is a significant compli supply. Due to its limited bloo wing midfoot beaming, particu	cation of Charc d flow, the talus larly concernin	ot midfoot recons is vulnerable to g anatomical pro:	struction, caused by osteocyte ischemia. The incidence and kimity to the talus, are not				
Methodology	A retrospective review of 135 cases of AVN and 19 non-AVN renal disease (ESRD), and bod talus.	A retrospective review of 135 Charcot midfoot reconstructions from 2016-2022 assessed talar AVN incidence. Nineteen cases of AVN and 19 non-AVN controls were identified. Risk factors such as talonavicular (TN) joint dislocation, end-stage renal disease (ESRD), and body mass index (BMI) were analyzed, with a focus on the effect of surgical proximity to the talus.							
Procedures									
Results	The incidence of talar AVN po dislocation (p < 0.05), ESRD (the talus, was strongly associat to non-AVN Charcot failures (Mortality rates at 1-7 years we	The incidence of talar AVN post-midfoot beaming was approximately 14%. Significant risk factors included TN joint dislocation (p < 0.05), ESRD (marginal significance), and higher BMI. TN joint dislocation, indicating closer proximity to the talus, was strongly associated with AVN. AVN-related failures had a shorter time to failure (mean 12 months) compared to non-AVN Charcot failures (6-18 months) and an increased risk of revision surgery, external fixation, and limb loss. Mortality rates at 1.27 were were similar between AVN and non-AVN groups.							
Discussions	A 14% incidence of talar AVN key risk factors. The proximity and has important implications	was found following Charcot of the reconstruction to the ta for surgical planning and AV	midfoot beamin Ilus may necess N risk mitigatio	ng, with TN dislo itate reclassifying n.	cation, ESRD, and BMI as g Charcot collapse patterns				
Format	Scientific								
Case Rpt Followup	84								
Student Club									
Classification	Rearfoot and Ankle Reconstru-	ction							
Level of Evidence	Level III								
Authors/Financial D	isclosures								
Full Name:	Email:	Disclosure(s) selected:			Disclosed Organisation(s):				
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Submission ID	05-00792				Ref ID Sci-792			
Title	Pre-Operative Prep Choice - Any Difference in Infection?							
Submit Date	10/06/2024							
Correspondent	Last Name: Full Name: Practice/Com	Liew Victoria H Lie pany/Residency	ew, DPM Program:	Email: Palo Alto Me	vhliew320@gmail.com dical Foundation Santa Cruz Fellowship			
Authors	Author 1: Author 3: Author 5: Author 7:	Victoria H Lie	ew, DPM	Author 2: Author 4: Author 6: Author 8:	Brandon K Kim, DPM			
Purpose	Risk of surge minimized wi Iodine, etc. O infection rate	Risk of surgery ranges from bone union to skin healing, with the biggest risk being infection and/or death, but can be minimized with proper prevention. Not limited to, pre-incisional prep including CHG, DuraPrep, Alcohol 70%, Povidone-Iodine, etc. Our study analyzed the difference between Povidone-Iodine and CHG while looking at post-operative skin infection rates.						
Methodology	This study compared effectiveness of two skin preparation methods. Four qualified podiatric surgeons were separated into two groups based on their skin prep, Povidone-Iodine versus CHG. Patients excluded if PMH included diabetes, rheumatoid arthritis, infection, revision surgery, etc. Cases stratified based on soft tissue versus bony fixation, and/or age. All data extracted from Epic EMR and retrospectively analyzed. Infection was defined as a patient who required antibiotics for clinical signs of infection within the 30 day post-op period. Overall, there was no statistical significance between groups.							
Procedures								
Results	The CHG gro patients. The was no differ work. Overal	The CHG group totaled 538 while Povidone-Iodine had 745. 41 patients in PI needed antibiotics while CHG had 27 patients. The 60-69 year old group had the most cases of SSI in both groups, however also had the most patients. There was no difference in soft tissue or bony work between the groups. As age groups increased, more patients needed bony work. Overall, no statistical significance between prep type.						
Discussions	In conclusion group/ decade needing antib	, no statistical d e had a positive iotics.	ifference when using CHG or correlation with increased bor	Povidone-Iodine 1y work vs soft t	e for prep. The number of patients per age issue, correlating the number of patients			
Format	Scientific							
Case Rpt Followup								
Student Club								
Classification	Wound Care/	Infectious Disea	ses					
Level of Evidence	Level III							
Authors/Financial Di	isclosures							
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):			
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Brandon K Kim, DPM	Brandon.Kim@	sutterhealth.org	I/We have nothing to disclo	se				

Submission ID	05-00795	05-00795 Ref ID Sci-					
Title	Correlatio	Correlation of Plantar Fascia Thickness and Interstitial Tearing					
Submit Date	10/09/2024						
Correspondent	Last Name: Full Name: Practice/Com	Verdoni Tyler J. Verde pany/Residency	oni, DPM, AACFAS / Program:	Email: Florida Orth	tyler.verdoni@gmail.com opedic Foot and Ankle Center (FLOFAC)		
Authors	Author 1: Author 3: Author 5: Author 7:	Tyler J. Verd Jay S. Badell	oni, DPM, AACFAS , DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	James M. Cottom, DPM, FACFAS		
Purpose	To describe th	e correlation b	etween interstitial plantar f	ascial tears and fasc	via thickness		
Methodology	Plantar fascia between the p a 1 year perio thickness was interstitial tea recorded mea	Plantar fascial interstitial tears have not been documented in the literature to date. We studied if there was any correlation between the plantar fascial thickness and confirmed interstitial tears. 40 patients and 41 feet met the inclusion criteria over a 1 year period. Retrospective chart review was performed and utilizing the sagittal T1MRI imaging, the plantar fascial thickness was measured at the thickest portion visualized at the insertion. Patient demographics, laterality, and documented interstitial tear were all recorded. The MRI was read and measured independently by a surgical foot and ankle fellow. The recorded measurements were then averaged and standard deviation was also performed.					
Procedures							
Results	We found an tears.	average plantar	fascia thickness of 6.04mm	n [Range 2.71 mm	to 9.54 mm] in patients who also had interstitial		
Discussions	The average p chronic planta found on aver 6.04mm. Ove which increas fascial tears, o	plantar fascia th ar fasciitis have age patients wh r time as degen es the chance of especially if the	ickness is approximately 3 been found to have a plant to have MRI findings of in erative tissue lays down ov f tearing. We hope that the y see increased thickness o	03 mm in asympto ar fascia thickness terstitial plantar fas er the plantar fascia foot and ankle surg f the plantar fascia	matic individuals. Patients with heel pain and of 5.00 mm in prior studies. In our study, we cia tears have an average fascia thickness of a, the integrity of the fascia also decreases, geon becomes more aware of interstitial plantar on MRI.		
Format	Scientific						
Case Rpt Followup							
Student Club							
Classification	Rearfoot and	Rearfoot and Ankle Reconstruction					
Level of Evidence	Level III						
Authors/Financial D	isclosures						
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):		
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Submission ID	05-00808					Ref ID Sci-808	
Title	AI Machine Learning assistances for detection and severity grading of Hallux Valgu						
Submit Date	10/14/2024						
Correspondent	Last Name: Full Name: Practice/Comp	Angthong Chayanin Ar pany/Residenc	ngthong y Program:	Email: Faculty of Me	angthongboom@ edicine, KMITL	gmail.com	
Authors	Author 1: Author 3: Author 5: Author 7:	Arphakorn V	Vellchan	Author 2: Author 4: Author 6: Author 8:	Chayanin Angth	ong	
Purpose	Little is known this disability. clinical image	n about the ber This study is t , and evaluate	nefits of image analysis usin to develop the AI models for their performances.	g artificial intellige r visual detection an	nce (AI) for the de ad classification of	tection and classification of Hallux Valgus via foot	
Methodology	AI Roboflow and Teachable Machine platforms are used to develop machine learning models, trained with 285 images from an open-access database. Roboflow data are divided into three groups:train set (70%), valid set (20%) and test set (10%). Teachable Machine divides the data into two groups: train set (85%) and test set (15%). Each foot image was labeled as none or mild or moderate or severe degree of Hallux Valgus deformity based on the Manchester scale using an expert (a fellowship-trained foot and ankle surgeon)'s supervision. The models' performances are then tested to assess their accuracy values						
Procedures							
Results	Roboflow den test dataset. In values of 69-8	nonstrates stro contrast, Teac 6%.	ng performance in detecting chable Machine excels in ide	mild Hallux Valgue entifying moderate-	s deformity, achiev severe Hallux Valg	ving 78% of accuracy on the us deformity, with accuracy	
Discussions	Both AI mode Roboflow sho superior perfo and non-exper timely interver	ls currently sh ws superior pe rmances for m t physicians ir ntion and bette	ow promising potential for a erformance for mild deformi toderate-severe deformity de a the early detection of Hallu er treatment outcomes.	aiding in Hallux Val ty detection. On the tection. The combin ux Valgus at its initi	gus screening with other hand, Teach ned use of these Al al to severe stages,	nin clinical settings. hable Machine demonstrates I models may assist patients improving the chances of	
Format	Scientific						
Case Rpt Followup							
Student Club							
Classification	Forefoot Reco	nstruction					
Level of Evidence	Level II						
Authors/Financial Dis	sclosures						
Full Name:	Email:		Disclosure(s) selected:		Ι	Disclosed Organisation(s):	
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Submission ID	05-00813 Ref ID Sci-								
Title	Evaluatin Surgery v	Evaluating Improvements in Perioperative Pain Management in Foot and Ankle Surgery with the Use of Regional Liposomal Bupivacaine Blocks							
Submit Date	10/14/2024								
Correspondent	Last Name: Full Name:	Loitz Jake	. Des sesses	Email:	loitz.jake@gmail.com				
	Practice/Com	pany/Residenc	y Program:	Kaiser vallej	0				
Authors	Author 1:	Jake Loitz		Author 2:	Morah D Brown MPH				
	Author 3:	Katherine Da	ang, M.S.; M.A.S	Author 4:	Jessica Sibal DPM, MPH				
	Author 5: Author 7:	Alexander B	yrd, DPM	Author 6: Author 8:	Steven D Sellenriek DPM, FACFAS				
Purpose	To evaluate w (LB) blocks d	hether periope luring foot and	rative pain management is bette ankle surgeries.	er controlled thr	ough use of regional liposomal bupivacaine				
Methodology	A retrospectiv and June 202 categorical ar 5-30 days pos	A retrospective study was conducted on patients (≥18 years) who received foot and ankle surgery between January 2018 and June 2021 in Kaiser Permanente Northern California. Chi-square and Wilcoxon rank sum were used to compare categorical and continuous variables. Logistic regression was used to determine the odds of getting an opioid refill within 5-30 days post-surgery between the LB and those who received plain bupivacaine or ropivacaine (PBR).							
Procedures									
Results	A total of 17, times the odd PBR. After ac CI 0.75, 1.33 average refill MME/day for	A total of 17,624 patients were included, with 254 in the LB group and 17,370 in the BPR. Those receiving LB had 1.50 times the odds (95% CI 1.14, 1.97) of getting an opioid refill within 5-30 days post-surgery compared to those receiving PBR. After adjustment, those receiving LB were no longer at increased odds of getting an opioid refill (adj OR 1.00; 95% CI 0.75, 1.33). There was no statistical difference in the number of refills dispensed 5-30 days post-surgery ($p=0.97$) or average refill MME/day ($p=0.82$) between groups. The LB group received a statistically significant lower average MME/day for their index onioid preserving number of n .							
Discussions	The study lim noted to have prescription.	itations includ no statistically Further studies	e the sample size of the LB coh significant difference in refills should include larger sample s	ort, and the retro , while reporting izes to evaluate	ospective nature of the study. The LB group was g a lower average MME/day for index opioid the true efficacy of LB.				
Format	Scientific								
Case Rpt Followup									
Student Club									
Classification	Rearfoot and	Ankle Reconst	ruction						
Level of Evidence	Level III								
Authors/Financial Di	sclosures								
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-00820 Ref 1								
Title	Continous Salvage: A	Continous Topical Oxygen Therapy as Part of the Reconstructive Ladder of Limb Salvage: A Case Series							
Submit Date	10/13/2024								
Correspondent	Last Name:	Wielgomas							
-	Full Name: Practice/Comp	Jacob M. W any/Residend	ielgomas, MSII cy Program:	Email: Kent State U	jwielgom@ke Jniversity College	ent.edu e of Podiatric Medicine			
Authors	Author 1: Author 3: Author 5: Author 7:	Edward Kor Jacob M. W	rmylo, DPM ïielgomas, M.A.	Author 2: Author 4: Author 6: Author 8:	Windy Cole, I	DPM, CWSP			
Purpose	Clinicians are topical oxygen report is the fin dehiscence (SV	inclined to ch therapy (cTC st to examine WD) of the lo	Doose active wound the DT) has high-level evid e the feasibility of using wer extremity.	rapies to promote an opt ence of supporting wou g a cTOT device as part	imal wound heal nd healing in con of a treatment alg	ing environment. Continuous nplex, hypoxic wounds. This gorithm to treat surgical wound			
Methodology	This is a single retrospective c graded using th surgical sites v and covered w metrics.	e-center, retro hart review o ne WUWHS vere treated w ith a semi-pe	spective analysis of lo n nine patients to colle SWD Sandy Grading S vith standard of care, ar rmeable dressing. Stati	wer extremity SWD trea et data on lower extremi ystem and were conside ad cTOT was applied din stical analysis was descr	ted with cTOT. A ty SWD for six n red infected per l rectly to the SWD iptive of patient of	third-party group performed a nonths. Each dehiscence was SDA guidelines. All dehisced per manufacturer guidelines demographics and wound			
Procedures									
Results	In this cohort, with the use of healing may be	patients who cTOT. This enefit from c	are current smokers wi suggests that patients w FOT.	th signs of post-operativ ho do not have clinicall	ve infection had u y significant hind	ncomplicated healing outcomes lerances in wound dehiscence			
Discussions	The outcomes intervention. A cTOT for early	suggest that of Il SWD were intervention	cTOT is an effective tree treated with cTOT has of lower extremity SW	atment in the managem d wound closure without /D can potentially lesser	ent of SWD, rega t further hospitali n the overall cost	rdless of specific surgical zation or procedures. Using of care in these patients.			
Format	Scientific								
Case Rpt Followup	6								
Student Club									
Classification	Wound Care/In	nfectious Dis	eases						
Level of Evidence	Level IV								
Authors/Financial D	isclosures								
Full Name:	Email:		Disclosure(s) selected	1:		Disclosed Organisation(s):			
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Windy Cole, DPM, CWSP	wcole4@kent.ed	u	Consultant/Advisor/	Speaker (List all affiliati	ons)	Clinical Advisory Board NATROX Wound Care			
Jacob M. Wielgomas, M.A.	jwielgom@kent.	edu	I/We have nothing to	disclose					

Submission ID	05-00824				Ref ID Sci-824			
Title	Effect of	Effect of Skin Adhesive on Incision Healing for Diabetic Foot and Ankle Surgery						
Submit Date	10/04/2024							
Correspondent	Last Name: Full Name: Practice/Com	King Bennett J. K Ipany/Residenc	ing, DPM, AACFAS sy Program:	Email: NOMS Ankl	bennett2013@live.com e & Foot Care Centers Fellowship			
Authors	Author 1: Author 3: Author 5: Author 7:	Bennett J. K	ing, DPM, AACFAS	Author 2: Author 4: Author 6: Author 8:	Lawrence DiDomenico, DPM, FACFAS			
Purpose	In this study, dehiscence ra	we aimed to ev tes in our diab	valuate whether the use of etic patient population.	of skin adhesive overly	ing a closed incision reduced infection and			
Methodology	The senior su September 8t for patient inc operative not use of skin ac infection case were evaluate	rgeon began to h of 2023. Rett clusion cirteria e. Chart review dhesive, or skin es. If a patient h ed for dehiscen	pregularly use tissue adh rospective chart review v consisting of a diganosi / also included surgical of a glue. Surgical cases we had staged reconstructive ce and infection.	esive following compl vas utilized to evaluate s of diabetes and the us ases prior to this date t re excluded that involv e surgeries during the t	ete closure of surgical incisions starting on consecutive surgical cases on and past this date se of skin adhesive or skin glue within the o evaluate diabetic surgical cases without the ed an infected open wound, and inpatient ime only the initial surgery was included. Charts			
Procedures								
Results	Of the 20 pat: Of the 20 pat: developed inf	ients that receiv ients that did no fection.	ved skin adhesive with s ot receive skin adhesive	kin closure, 10/20 deve with skin closure closu	cloped dehiscence and 7/20 developed infection. Ire, 13 of 20 developed dehiscence and 10 of 20			
Discussions	The use of sk conclusion, w	in adhesive red ve have found t	luced infection and dehis hat in our patient popula	sence rates in our diabe tion skin adhesive redu	tic surgical patients by 15 percent. In aces infection and dehiscence rates.			
Format	Scientific							
Case Rpt Followup								
Student Club								
Classification	Diabetic Foot	t						
Level of Evidence	Level III							
Authors/Financial D	isclosures							
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):			
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Lawrence DiDomenico, DPM, FACFAS	ld5353@aol.co	m	I/We have nothing to d	lisclose				

Submission ID	05-00837					Ref ID Sci-837			
Title	Achilles Te	Achilles Tendon Rupture versus Limb Dominance: A Retrospective Cohort Study							
Submit Date	10/13/2024								
Correspondent	Last Name: Full Name: Practice/Comp	Henry Kaitlin A. He any/Residency	nry, BS / Program:	Email: Wake Forest U	kaahenry@wa niversity Schoo	kehealth.edu 1 of Medicine			
Authors	Author 1: Author 3: Author 5: Author 7:	Kaitlin A. He Clark K. Bra Aaron T. Sco Kerry A. Dar	nry, BS ckney, DPM tt, MD telson, PhD, MS, MBA	Author 2: Author 4: Author 6: Author 8:	Garrett S. Bull Robert D. Teas Paula Gangopa	ock, PhD, DPT sdall, MD adhyay, DPM, FACFAS			
Purpose	While Achilles exists explorin investigate the factors involve	tendon ruptur g the relations relationship b d.	es (ATRs) are a common and sig hip between upper and lower ext etween ATR laterality and hand o	nificant cause o remity dominar or leg dominano	of morbidity for nee and lateralit e, with the goal	patients, limited research y of rupture. This study aims to l of better understanding risk			
Methodology	With IRB appr CPT and ICD of telephone to as 95% CI was ut	/ith IRB approval, ATRs treated from 2008-2018 by three surgeons within a single health system were identified using PT and ICD codes. Medical records were reviewed for demographic information, and patients were interviewed by dephone to ascertain hand and leg dominance through a brief survey. 74 patients met inclusion criteria. Odds ratio with 5% CI was utilized to compare ATR laterality with limb dominance.							
Procedures									
Results	55% of patient ipsilateral to le greater odds of in odds of sust	55% of patients sustained an Achilles rupture ipsilateral to hand dominance. 45% of patients sustained an Achilles rupture ipsilateral to leg dominance. When controlling for age, body mass index, and previous Achilles injury, patients had 8.9 greater odds of sustaining an Achilles injury ipsilateral to hand dominance. Unadjusted models demonstrated no difference in odds of sustaining an Achilles rupture ipsilateral to hand or leg dominance.							
Discussions	To the authors' dominance wit injury ipsilater and prognostic	To the authors' knowledge, there is no previously published literature that specifically examines upper and lower extremity dominance with the laterality of an ATR. In an adjusted model, our study identified a greater odds of sustaining an Achilles injury ipsilateral to hand dominance. This underscores the need for further research to refine our understanding of the risk and prognostic factors associated with Achilles tendon ruptures.							
Format	Scientific								
Case Rpt Followup									
Student Club									
Classification	Biomechanics	and Anatomy							
Level of Evidence	Level III								
Authors/Financial Di	sclosures								
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Paula Gangopadhyay, DPM, FACFAS	pgangopa@wake	health.edu	Serve in an official capacity (ele other medical or podiatric organ	ected or appoin nization(s)	ted) for any	North Carolina Foot and Ankle Society			
			Grant/Research funding			Department of Defense			
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Submission ID	05-00838 Ref						
Title	Incidence of Interstitial Plantar Fascial Tears in Patients with Heel Pain						
Submit Date	10/09/2024						
Correspondent	Last Name: Verdoni Full Name: Tyler J. Verdo Practice/Company/Residency	oni, DPM, AACFAS 7 Program:	Email: Florida Orth	tyler.verdoni@gmail.com topedic Foot and Ankle Center (FLOFAC)			
Authors	Author 1:Tyler J. VerdedAuthor 3:Jay S. BadellAuthor 5:Author 7:	oni, DPM, AACFAS DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	James M. Cottom, DPM, FACFAS			
Purpose	To identify the incidence of i	nterstitial plantar fascial tea	ars for patients pre	senting with heel pain			
Methodology	In our practice, we routinely MRIs are obtained in which we valuation. We performed ret (ICD-10 M72.2) over a 1 yea total patients to 98. Patient ag reviewed by both a musculos inspected for any interstitial	see patients with heel pain we have observed interstitia rospective chart review of r time period. Patients who leg, laterality, duration of sy keletal training radiologist earing along the insertion.	who have tried con al plantar fascia ter 118 patients who o did not get an MI mptoms and if the and a foot and ank Patient demograph	nservative therapies with no relief of symptoms. ars, which may have been missed on initial were diagnosed with plantar fascial fibromatosis RI were excluded from the study bringing the y required surgery were all recorded. MRI was de surgical fellow and the plantar fascia was hics were averaged.			
Procedures							
Results	We observed an incidence of time period.	36.73% (36/98) of patients	with an interstitia	l plantar fascia tear in this cohort over the 1 year			
Discussions	In our study we identified that been documented to date in the tears. We hope our results are heel pain, as the treatment alg	t the rate of plantar fascia t he literature. This is the firs e utilized by physicians to k gorithm for interstitial tears	tearing was 36.739 at study of its kind teep this diagnosis is different when	6. The incidence of plantar fascial tearing has not to identify the rate of interstitial plantar fascia on their radar when encountering patients with compared to acute plantar fasciitis.			
Format	Scientific						
Case Rpt Followup							
Student Club							
Classification	Rearfoot and Ankle Reconstr	uction					
Level of Evidence	Level IV						
Authors/Financial D	oisclosures						
Full Name:	Email:	Disclosure(s) selected:		Disclosed Organisation(s):			
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Submission ID	05-00845 Ref ID Sc							
Title	Union Rat A Retrosp	Union Rates Following Power Rasp Joint Preparation for Foot and Ankle Arthrodesis: A Retrospective Study of 418 Fusion Attempts						
Submit Date	10/08/2024							
Correspondent	Last Name: Full Name: Practice/Comp	Verdoni Tyler J. Verdo any/Residency	ni, DPM, AACFAS Program:	Email: Florida Ortho	tyler.verdoni@gmail.com ppedic Foot and Ankle Center (FLO	PFAC)		
Authors	Author 1: Author 3: Author 5: Author 7:	Tyler J. Verdo James M. Cot	ni, DPM, AACFAS tom, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Jay S. Badell, DPM, FACFAS			
Purpose	To present an u	ipdate on our o	utcomes with power rasp join	t preparation for	arthrodesis in the foot and ankle			
Methodology	Power rasp ins but also provid retrospectively bunionectomy, joint fusions (C performed at a cartilage from defined on X-r radiographs tal	trumentation particular terms of the fast, reproduct analyzed 408 for analyzed 408 for the terms of t	resents a potential alternative : cible, and adequate joint prepa total arthrodesis attempts perf rsal joint (TMTJ) fusion, mid ulonavicular fusions (TNJ), an on with power rasp joint prepa rfaces of the joint in question. us bridging and trabeculation a 12 month intervals postoperad	for the surgeon arration thereby y formed on 198 p foot fusions inv d triple arthrode aration (PJRP) a Minimum folle across the fusion tively.	to not only improve operating room vielding excellent union rates. This titents. Procedures included Lapidu olving more than one TMTJ, isolatt ses (STJ, TNJ, CCJ). The procedur s the primary tool for debridement w-up was 12 months. Radiographic n site using standard weightbearing	a efficiency, study is ed subtalar es were of all e union was foot		
Procedures								
Results	4.5% of all art	hrodesis attemp	ots went on to develop a radiog	graphic nonunio	n after 12 months (19/418).			
Discussions	Across our pat have found gre decreased oper preparation me	ient cohort, we at success with rative costs whe ethod add to the	observed a 95.5% arthrodesis power rasp joint preparation en compared to typical joint pre- body of literature to show the	rate with use o with no differer reparation methor e efficacy of po	f power rasp joint preparation. Prev ice in joint union, decreased surgica ods. We hope our updated results or ver rasp joint preparation.	ious studies al time, and a this joint		
Format	Scientific							
Case Rpt Followup								
Student Club								
Classification	Rearfoot and A	nkle Reconstru	action					
Level of Evidence	Level IV							
Authors/Financial D	isclosures							
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organ	isation(s):		
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James M. Cottom, DPM, FACFAS	jamescottom300(@hotmail.com	I/We have nothing to disclos	se				

Submission ID	05-00849					Ref ID Sci-849				
Title	Outcomes	Outcomes of Calcanectomy as an Approach to Limb Salvage								
Submit Date	10/15/2024	10/15/2024								
Correspondent	Last Name: Full Name: Practice/Comp	Lahiri Rajat K Lahi pany/Residenc	iri, DPM y Program:	Email: Swedish Medi	rajat.lahiri@liv cal Center Resid	ve.com dency				
Authors	Author 1: Author 3: Author 5: Author 7:	Author 1: Rajat K Lahiri, DPM . Author 3: . Author 5: . Author 7: .			Kaj H Johanse	n, MD, PHD				
Purpose	Calcanectomy limb. The purp	is often perfor	rmed in cases of severe foot infected with the severe foot infecte	ctions or ulcerat reliable option	tions and an opti for limb salvag	ion towards preserving the e.				
Methodology	This study is a amputation or years, compris study was to a	This study is a retrospective chart review case series involving a group of 21 patients who underwent either Syme amputation or subtotal calcanectomy between 2010 and 2019. The average age of patients at the time of surgery was 68 years, comprising 12 males and 9 females. All procedures were performed by a single surgeon. The primary focus of the study was to analyze two key variables: time to below-knee amputation (BKA) and time to death.								
Procedures										
Results	52.4% of the p 1315). The ave	patients in the erage time to c	study underwent BKA. The avera leath after initial surgery was 563	age time to BKA days (range=3	A after initial su 1-1488).	rgery was 182 days (range=7-				
Discussions	This study fou average time t underscore the viable strategy in limitations in this study re	ind that over h to BKA of 182 e necessity of e / for delaying l in mobility. Va egarding calca	alf of the patients (52.4%) require days. The results demonstrated s evaluating calcanectomy as a pott limb loss in certain patients. How rious studies suggest that the tim nectomies, reinforcing the need fi	ed below-knee a ignificant varia ential limb salva vever, calcanect e to death follo or consideration	amputation follo bility in patient age option, parti omies carry risk wing BKA are c n of this limb-sp	wing calcanectomy, with an outcomes. These results cularly as it may provide a s of ulceration and can result comparable to those observed aring procedure as an option.				
Format	Scientific									
Case Rpt Followup										
Student Club	D'shat's Frank									
Classification	Level IV	Diabetic Foot								
Level of Evidence	Level IV									
Authors/Financial Di	sclosures		Disalamura(a) salastadı			Disalaged Operation(a).				
Full Name: Rajat K Lahiri DPM	Email:	com	L/We have nothing to disclose			Disclosed Organisation(s):				
						Washington State Chapter of				
Kaj H Johansen, MD, PHD	kjohansen45@io	cloud.com	Serve in an official capacity (ele other medical or podiatric organ	ected or appoin nization(s)	ted) for any	the American College of Surgeons, Western Vascular Society				

Submission ID	05-00853					Ref ID Sci-853	
Title	Radiographic Valgus in Mod	Evalua lified L	ation of Manual vs. Jig Japidus Procedure	Assisted R	eduction of	Hallux Abducto	
Submit Date	10/07/2024						
Correspondent	Last Name: Rega	al					
	Full Name: And	lrew, J, Re	egal, DPM AACFAS	Email:	Regal.dpm@g	mail.com	
	Practice/Company/F	Residency	Program:	Indy foot and a	ankle reconstruc	ctive surgery fellowship	
Authors	Author 1: And	lrew Rega	l, DPM AACFAS	Author 2:	Kalen Farr, DI	PM AACFAS	
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	Author 7: Kier	rstin Catle	ett, PHD	Author 8:	Douglas Black	lidge, DPM FACFAS	
Purpose	Hallux abducto valg modified Lapidus pr systems, known as j in radiographic oute	gus (HAV) rocedure i jigs, have come betw) deformity is an exceedingly co is a frequently performed and w been developed to assist in redu /een manual reduction and jig- a	ommon ailment t ell documented action of deform assisted reductio	reated by foot a procedure to ad ity. This study a n at initial post	and ankle surgeons. The dress HAV. Multiple reduction aims to evaluate the difference operative weightbearing.	
Methodology	This is an IRB-exen single institution fro full weight-bearing used for measureme	This is an IRB-exempt retrospective analysis of patients who underwent a Lapidus procedure by one of 5 surgeons at a single institution from 7/2023-12/2023. Radiographic analysis was performed pre-operatively and again at 6 weeks, when full weight-bearing post-operative films were taken. Intermetatarsal 1-2 (IM 1-2) angle and tibial sesamoid position were used for measurement. Statistical analyses were performed utilizing R (v4.1) with significance set at $p<0.05$.					
Procedures							
Results	90 patients (55 man significant improver was found to have a position reduction b	ual, 35 jig ment in IN larger rec petween th	g assisted) met inclusion criteria M 1-2 and tibial sesamoid position duction in IM 1-2 than the manu- te two groups (p=0.12).	. Jig and manual ons from pre-op ual (p<0.01). The	l reduction grou to post-op (p<0 ere was no diffe	ps exhibited a statistically 0.01). The jig assisted group rence in tibial sesamoid	
Discussions	Adequate correction IM 1-2 angle was no position correction v	Adequate correction of HAV deformity can be obtained through manual or jig-assisted reduction. Increased correction of IM 1-2 angle was noted in jig assisted group compared to manual reduction group. No difference in tibial sesamoid position correction was found.					
Format	Scientific						
Case Rpt Followup							
Student Club							
Classification	Forefoot Reconstruc	ction					
Level of Evidence	Level III						
Anthony (Financial Di]						
Autnors/Financial Di	Sciosures		Dicalogura(s) calcated;			Disalogad Organization(c);	
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Submission ID	05-00860 Ref ID Sci-8								
Title	An Exam	An Examination of Human Skin Microbiome in Diabetic and Non-diabetic Subjects							
Submit Date	10/09/2024								
Correspondent	Last Name: Full Name: Practice/Com	Clark Sierra Ipany/Residenc	y Program:	Email: Kent State U	sclark81@kent.edu niversity College of Podiatric Medicine				
Authors	Author 1: Author 3: Author 5: Author 7:	Windy Cole, Nina Kovoly Paola Peña,∃	DPM, CWSP van, CRC BS	Author 2: Author 4: Author 6: Author 8:	Nicholas Butler, DPM Sierra Clark, MPH				
Purpose	This study wa variations lea	as conducted to d to a higher ris	identify differences in the micr sk of developing skin and soft ti	obiomes of ind ssue infections	ividuals with and without diabetes and if these in diabetics.				
Methodology	The right plan microbiome. diabetes. To i	ntar forefoot an This was condu dentify and qua	d interdigital spaces (IDS) were acted as a single-center analytic: antify bacterial sequences Next (swabbed in 10 al, cross-sectior Generation Seq	0 subjects to compare the cutaneous al study with N=50 with and N=50 without uencing (NGS) was used.				
Procedures									
Results	When compa microbiomes frequently de 98% of IDS I abundance of (with a relativ pettenkoferi.	ring both samp were substantia tected microbio nealthy samples (4.92%) and 96 we abundance o Cutebacterium	ling sites (IDS and plantar regio ally similar when considering th mme amongst all cohorts was Co 5 (with an average of 13.58% rel 9% of IDS diabetic samples (wit f 5.47%). The most frequently d acnes was significantly decreas	n) in non-diabe e frequency of rynebacterium ative abundanc h a relative abu letected bacteria ed in healthy in	tics and diabetics it was found that the detection and relative abundance. The most pseudogenitalium-tuberculostearicum found in e) and plantar healthy samples (with a relative ndance of 14.82%) and plantar diabetic samples al species across all cohorts was Staphylococcus dividuals.				
Discussions	To improve o health manag part of holisti	ur understandir ement further s ic wound preve	ng of the complexity of the hum study is needed. Regular skin an ntion and management protocol:	an cutaneous m d wound hygier s.	icrobiome and improve our knowledge of skin ne practices are supported by this study to be				
Format	Scientific								
Case Rpt Followup	0								
Student Club									
Classification	Wound Care/	Infectious Dise	ases						
Level of Evidence	Level III								
Authors/Financial Di	sclosures								
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-00862			Ref ID Sci-862			
Title	Effect of Hemoglobin A1c on Union Rates in Foot and Ankle Surgery						
Submit Date	10/09/2024						
Correspondent	Last Name: Burandt Full Name: Madison, K, Practice/Company/Residency	Burandt y Program:	Email: West Penn H	madison.burandt12@gmail.com ospital Foot and Ankle Institute			
Authors	Author 1: Madison, K, Author 3: Jenna, D, Li, Author 5: Author 7:	Burandt, DPM MS	Author 2: Author 4: Author 6: Author 8:	Michael, A, Savisky, DPM, AACFAS Alan, R, Catanzariti, DPM, FACFAS			
Purpose	The purpose of this study wa preoperative hemoglobin A1	s to evaluate union rates in patie c value associated with a reduce	ents with diabe d risk of nonu	tes mellitus to identify if there is an optimal nion/ malunion.			
Methodology	This study included 106 patie reduction internal fixation be radiographs, and 11 months of preoperative hemoglobin A10 or hindfoot) were also assess	ents. Inclusion criteria: adults 14 tween 01/01/2015- 05/01/2020, ninimum follow up. Exclusion c or diagnosis of Charcot neuros ed.	8+, diabetes me pre-operative criteria: no dial arthropathy. B!	ellitus, foot or ankle arthrodesis/osteotomy/open hemoglobin A1c, preoperative/postoperative betes mellitus diagnosis, no documented MI and location of procedure (forefoot, midfoot			
Procedures							
Results	86 patients had radiographic were found between union an or the difference between las weight/BMI were found to b nonunion/malunion when loo	union; 19 had a nonunion/malu id malunion/nonunion patient's i hemoglobin A1c and preopera e significant. No statistically sig king at age, height, gender or a	nion demonstra for preoperativ tive hemoglobi mificant differe- rea of the foot/	ated by CT. No significant mean differences re hemoglobin A1c, last known hemoglobin A1c in A1c. For the demographic variables, only ences were found in union versus ankle the procedure was performed on.			
Discussions	Domek et al, in 2016, demon We found no significant diffe did find a significant differer addressed prior to surgery.	strated that a 1% increase in He rences in union versus nonunio ce in BMI related to union vers	oA1c, increased n/malunion rel us nonunion ra	I the risk of developing a complication by 5%. ated to hemoglobin A1c levels in this study. We tes. This is a modifiable risk factor that can be			
Format	Scientific						
Case Rpt Followup	11						
Student Club							
Classification	Diabetic Foot						
Level of Evidence	Level III						
Authors/Financial D	isclosures						
Full Name:	Email:	Disclosure(s) selected:		Disclosed Organisation(s):			
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Submission ID	05-00864 Ref ID Sci-864							
Title	Associatio Correction	Association Between Minimally Invasive Osteotomy Techniques and Bunion Correction Outcomes						
Submit Date	10/07/2024							
Correspondent	Last Name: Full Name: Practice/Comj	Lowe Daniel Lowe, D pany/Residency P	PM rogram:	Email: Trinity Health	lowe.da34@gmail.com			
Authors	Author 1: Author 3: Author 5: Author 7:	Daniel D Lowe Jade Henckel, I Ronald Adelma	DPM n, DPM	Author 2: Author 4: Author 6: Author 8:	Leonard Rosefigura, DPM Vanessa Adelman, DPM			
Purpose	Bunion pathol (MIS) with dia whether MIS radiographic p	ogy is associated stal osteotomy ma distal osteotomy i parameters are lin	with increased medial bone, k ay use this eminence to enhance mproves hallux abducto valgu ked to changes in the HAV any	cnown as the mo ce bone shift an us (HAV) radiog gle and forefool	edial eminence. Minimally invasive surgery d correction. This study aims to evaluate (1) raphic outcomes, and (2) if specific width.			
Methodology	A retrospectiv operative radi the relationshi	A retrospective analysis of 20 patients who underwent MIS bunion correction was conducted, comparing pre- and post- operative radiographs. Pearson correlation assessed univariate correlations, while multivariable linear regression analyzed the relationship between surgical technique and radiographic measures for HAV and forefoot width reduction (FWR).						
Procedures								
Results	Significant co as between D! HVA and shift and angle of tl regression mo metatarsal hea	rrelations were for MAA and HVA (r percent (r = 0.54 he osteotomy cut del only DMAA d and shift percent	und between the angulation o = 0.883 , p < .001). Other corn -1, p = 0.014), and HVA and so were not significantly correlat was significantly associated H at were associated with FWR	f 1st metatarsal relations include esamoid positio ed with HAV co AV correction ($(\beta = -0.514, p =$	head and FWR (r = -0.450, p = 0.047), as well ed DMAA and IMA (r = 0.573, p = 0.008), n (r = 0.530, p = 0.016). However, the location orrection or FWR. For the multivariable linear $\beta = 0.670, p < 0.001$) and angulation of 1st 0.017 and $\beta 0.533, p = 0.016$)			
Discussions	This study sho with HAV cor surface area fo	ows that the locati rection or forefoo or capital fragmen	on and angle of the osteotomy t width reduction (FWR). Add tt translation does not appear t	v in MIS bunior litionally, utiliz o improve outc	correction are not significantly associated ing the medial eminence to increase the omes.			
Format	Scientific							
Case Rpt Followup	0							
Student Club								
Classification	Forefoot Reco	onstruction						
Level of Evidence	Level IV							
Authors/Financial D	isclosures							
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):			
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Submission ID 05-	-00868			Ref ID Sci-868				
------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------	--------------------------------------------------	---------------------------------------------------------------------------------------	--			
Title Ra	adiographic Incide rthrodesis	nce of Deltoid Insuffici	ency in Pat	tients Undergoing Hindfoot				
Submit Date 10/1	14/2024							
Correspondent Las	st Name: Litarov							
Full	l Name: Arina		Email:	arina.litarov@ahn.org				
Prae	ctice/Company/Residency	Program:	Western Penns	ylvania Hospital/ Allegheny Health Network				
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Aut	thor 5: Jacob Jones, I	DPM, AACFAS	Author 6:	Jonathan Nigro, DPM, AACFAS				
Aut	thor 7: Brandon M. S	chooley, MD	Author 8:					
Purpose The insu coll	e purpose of this study is to ufficiency, and to determin lapsing foot deformity (PC	o determine reliability of preope e the true incidence of deltoid in FD) undergoing hindfoot arthro	rative radiograp nsufficiency in p odesis.	ohs and MRI in diagnosing deltoid patients with stage IIA-D Progressive				
Methodology We MR trea incl radi as o	We retrospectively examined the deltoid ligament of patients with diagnosed stage IIA-D PCFD by evaluating preoperative MRI studies and intra-operative stress ankle radiographs. A total of 37 patients that underwent hindfoot arthrodesis for treatment of stage IIA-D PCFD correction who had pre-operative MRI's and intra-operative stress ankle radiographs were included in this study. MRI results were read by a single fellowship trained musculoskeletal radiologist. All stress radiographs and arthrodesis procedures were performed by a single surgeon. We ran sensitivity and specificity tests as well as odds ratio.							
Procedures								
Results 7 pr delt stre be 3	7 patients were positive for deltoid disruption on both MRI and intra-operative stress exam. 13 patients were negative for deltoid disruption on both MRI and stress exam. 4 patients were positive for deltoid disruption on MRI but negative on stress exam. 13 patients were negative on MRI but positive for deltoid disruption on stress exam. MRI sensitivity found to be 35%. MRI specificity found to be 76.5%. Odd ratio found to be 1.75							
Discussions The stag	e goal of this study was to ge PCFD. Our study found	evaluate the reliability of MRI t that MRI alone was not sufficie	o detect deltoid ent in determini	insufficiency prior to reconstruction of end ng deltoid disruption in end stage PCFD.				
Format Scie	entific							
Case Rpt Followup								
Student Club								
Classification Rea	arfoot and Ankle Reconstru	action						
Level of Evidence Lev	vel III							
Authors/Financial Disclos	ures							
Full Name: Email:	:	Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-00884				Ref ID Sci-884		
Title	Determin ultrasour	Determining the accuracy of plantar fasciitis injection placement in a cadaveric model: ultrasound vs palpation guided approach					
Submit Date	10/08/2024						
Correspondent	Last Name: Full Name: Practice/Com	Luettgen Sarah npany/Residenc	ey Program:	Email: Swedish Mee	sunfish01@gmail.com dical Center		
Authors	Author 1: Author 3: Author 5: Author 7:	Hargun Obe Sagar Shah, Alicia Knee	rai, DPM DPM , DPM	Author 2: Author 4: Author 6: Author 8:	Eyad Xoubi, DPM Sarah Luettgen, DPM		
Purpose	To determine in a more acc	whether ultras	ound-guided (USG) or palpation nt of injectate.	n guided (PG) is	njections of the deep plantar fascia (PF) results		
Methodology	10 paired fee blue dye. Inje dissected to a	10 paired feet from 5 cadavers were randomized into two groups, USG and PG. The injectate consisted of 1 cc methylene blue dye. Injections were aimed towards the anterior margin of the medial calcaneal tuberosity. The specimens were dissected to analyze the absence or presence of dye at predetermined anatomic landmarks, along with distribution.					
Procedures							
Results	In n=5 (100% n=1 (20%) w (60%). The U variability be to 3 mm).	6) of specimens ras also dyed. F JSG group had stween the indiv	s in both groups, the medial and for USG $n=4$ (80%) specimens h dye located in the fat pad for $n=$ vidual cadavers (8mm to 20 mm)	central PF band ad dye located 2 (40%) and PC) than between	d were dyed. The lateral band in each group, deep to the PF and the PG group had n=3 G had n=0. The dye distribution had a larger the USG and PG of the same specimen (-1 mm		
Discussions	There is no c injectate. Thi only the USC further invest	There is no clear consensus in literature as to whether USG or PG technique provides a more accurate placement of the injectate. This study did not show a difference between the two groups for accuracy of placement. The results did show that only the USG group had dye located in the fat pad, an area generally avoided to prevent atrophy. These results warrant further investigation.					
Format	Scientific						
Case Rpt Followup Student Club Classification	Biomechanic	s and Anatomy	,				
Level of Evidence	Level III						
Authors/Financial D	isclosures						
Full Name:	Email:	amail.com	Disclosure(s) selected:		Disclosed Organisation(s):		
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Submission ID	05-00890			Ref ID Sci-890				
Title	Site-Specific Structu Metatarsophalange	Site-Specific Structural Allograft with Bone Marrow Aspirate: Fusion Rates in First Metatarsophalangeal Joint Arthrodesis						
Submit Date	10/11/2024							
Correspondent	Last Name: Moon							
	Full Name: Zohaib		Email:	zohaibmoon3@gmail.com				
	Practice/Company/Residence	y Program:	Orthopedic Co	enter of Florida				
Authors	Author 1: Zohaib Moo	n, DPM, AACFAS	Author 2:	Maria Hidalgo, BS				
	Author 3: Andrew Bel	is, DPM, FACFAS	Author 4:	Michael Black, DPM, FACFAS				
	Author 5:		Author 6:					
	Author 7:		Author 8:					
Purpose	The purpose of this study is bone marrow aspirate (BMA BMA-soaked structural allo arthrodesis rates and clinical	to evaluate the fusion rates in fir a) soaked site-specific structural graft can allow for the maintenant l outcomes when compared to tra	st metatarsopha allografts. The ace of length and ditional primar	langeal joint (MTPJ) arthrodesis when using ationale is to determine if the addition of a d structural integrity without compromising y (end-to-end) joint fusion techniques.				
Methodology	A retrospective review of pa using a dorsal plate and scre information, indication for f fusion were evaluated using	A retrospective review of patients who underwent first MTPJ arthrodesis by two experienced surgeons at our institution using a dorsal plate and screw construct. Patients with greater than one year follow-up were included. Demographic information, indication for fusion, allograft length, fusion rates, and time to fusion were evaluated. Fusion rates and time to fusion were evaluated using postoperative weight-bearing radiographs at 1 week, 6 weeks, 3 months, 6 months, and 1 year.						
Procedures								
Results	The sample included 22 pati average BMI of 27.4. The or asymptomatic and one symp fusion was 81.85 days.	ents (11 primary fusions, 11 reviverall fusion rate was 90.9% (20/ totomatic requiring reoperation. T	sion surgeries), 22). Both non-u he average allog	with an average age of 69.6 years and an mions occurred in the revision group, one graft length was 19.8mm. The average time to				
Discussions	The use of BMA-soaked stri traditional end-to-end fusior provide length at varying lev	The use of BMA-soaked structural allografts in first MTPJ arthrodesis resulted in a high overall fusion rate, comparable to traditional end-to-end fusion rates in the literature. This supports the hypothesis that BMA-soaked structural allografts can provide length at varying levels and mechanical support without sacrificing healing rates to the arthrodesis site.						
Format	Scientific							
Case Rpt Followup	12							
Student Club								
Classification	Forefoot Reconstruction							
Level of Evidence	Level IV							
Authors/Financial D	isclosures							
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Submission ID	05-00894				Ref ID Sci-894		
Title	Radiograj Arthrodes	Radiographic Incidence of Syndesmosis Insufficiency in Patients Undergoing Hindfoot Arthrodesis					
Submit Date	10/12/2024						
Correspondent	Last Name: Full Name:	Kline Isaac M Klin	ie, DPM	Email:	isaac.kline@ahn.org		
	Practice/Comp	oany/Residenc	y Program:	West Penn Ho	spital/Allegheny Health Network		
Authors	Author 1: Author 3: Author 5: Author 7:	Isaac Kline, Brandon Sch	DPM 100ley, MD	Author 2: Author 4: Author 6: Author 8:	Alan Catanzariti, DPM , FACFAS		
Purpose	The primary o patients under	bjective of this going hindfoot	s study is to determine the radiog t arthrodesis for end-stage progre	raphic incidenc ssive collapsing	e of ankle syndesmosis insufficiency in g foot deformity (Stage II A through D).		
Methodology	The study will test will analy within the stud trained muscu	The study will collect patient demographics, preoperative diagnoses, surgical procedures, and complications. Fisher's exact test will analyze the correlation between syndesmotic and deltoid disruption. The sample includes all consecutive cases within the study window. Of 85 patients from a single surgeon, 69 with preoperative MRIs were included. A fellowship-trained musculoskeletal radiologist independently reviewed all MRIs.					
Procedures							
Results	13 of 69 (18.8 of 69 (1.4%) h exact test was times higher c	%) had disrup aad a complete performed and hance of synde	tion of the syndesmosis prior to s deltoid rupture. 9 patients (13.04 d found an odds ratio of 6.75 (p-v esmosis disruption than those wit	aurgery. 23 of 69 4%) had both sy value: 0.0021) i. hout.	9 (33.33%) had deltoid ligament attenuation. 1 ndesmotic and deltoid disruption. A Fisher's e. those with deltoid attenuation have a 6.75		
Discussions	Tibiotalar valg factors contrib ligaments may considering st investigating v disruption cou	Tibiotalar valgus frequently occurs after late-stage PCFD reconstruction, despite proper hindfoot alignment. Multiple factors contribute to tibiotalar valgus. Research suggests that addressing forefoot varus and repairing deltoid and spring ligaments may reduce its incidence. Given the syndesmosis' role in ankle stability, particularly in the frontal plane, considering structures proximal to the tibiotalar joint during PCFD reconstruction is important. The authors propose investigating whether prophylactic syndesmotic fixation in patients with MRI-evident syndesmosis attenuation or disruption could reduce tibiotalar yalgus following end-stage PCFD reconstruction.					
Format	Scientific						
Case Rpt Followup							
Student Club							
Classification	Rearfoot and A	Rearfoot and Ankle Reconstruction					
Level of Evidence	Level III						
Authors/Financial Di	sclosures						
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Submission ID	05-00897 Ref ID Sci-							
Title	Compara on Healin	Comparative Analysis of Closure Techniques in Transmetatarsal Amputations: Impact on Healing and Complications						
Submit Date	10/10/2024							
Correspondent	Last Name: Full Name:	Waller Justin J. Wal	ler, DPM	Email:	jjwaller@wak	ehealth.edu		
	Practice/Com	pany/Residenc	y Program:	Atrium Health	n Wake Forest B	Baptist		
Authors	Author 1: Author 3:	Justin J. Wal Paula Gango	ler, DPM padhyay, DPM, FACFAS	Author 2: Author 4:	Alec R. Wrob	lewski, DPM		
	Author 5:			Author 6:				
Purpose	Transmetatars and often the associated wi outcomes. To assess the rate	Transmetatrsal amputation (TMA) is a crucial limb salvage procedure for severe foot complications in diabetic patients and often the final procedure executed with hopes of avoiding below knee amputation. Despite its benefits, TMAs are often associated with variable healing rates and complications, necessitating further investigation into optimizing surgical outcomes. To our knowledge, this is the first study to directly compare nylon, prolene, and staples for closure of TMA and assess the rate of wound dehiscence and infection.						
Wetnodology	materials (nyl methods, and regression.	materials (nylon sutures, polypropylene [Prolene TM] sutures, staples). Data included demographics, comorbidities, closure methods, and outcomes (wound healing and infections). Statistical analysis employed Fisher's Exact Test and logistic regression.						
Procedures								
Results	Wound develo 0.34). Infection material-spec	opment occurre ons occurred in ific impact on o	ed in 64.8% of patients, with no 9.3%, also showing no signification of $(p > 0.05)$. Comorbic	o significant diffe cant difference (p lities such as BM	rence observed = 0.73). Logist I significantly in	among closure materials ($p =$ tic regression confirmed no influenced outcomes ($p = 0.03$).		
Discussions	While closure played a cruc: layer closure) findings empl explore other	While closure material did not significantly affect TMA outcomes in this study, patient-specific factors, particularly BMI played a crucial role. Despite the prevalence of PAD, high A1c levels, and varying closure techniques (layered vs single layer closure) within our population, there were no significant correlations with wound complications noted. These findings emphasize the need for tailored preoperative management to enhance TMA outcomes. Future research should explore orber perioperative variables influencing wound healing in TMAs.						
Format	Scientific							
Case Rpt Followup								
Student Club								
Classification	Wound Care/	Infectious Dise	ases					
Level of Evidence	Level III	Level III						
Authors/Financial Di	sclosures							
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Grant/Research funding

Department of Defense

Submission ID	05-00898				Ref ID Sci-898		
Title	Nitinol sta	ples for Lapidu	ıs Arthrodesis in H	Hallux valg	us		
Submit Date	10/10/2024						
Correspondent	Last Name: Full Name: Practice/Comp	Huetter Konstanze K. Huett bany/Residency Progr	er, MD am:	Email: Medical Unive	konstanze.huetter@medunigraz.at ersity of Graz		
Authors	Author 1: Author 3: Author 5: Author 7:	Viktor Labmayr, MI Konstanze K. Huette Patrick Holweg, MI	D er, MD D, PhD	Author 2: Author 4: Author 6: Author 8:	Marlene Martinelli Martin Ornig, MD		
Purpose	This study inv focusing on fu	estigates postoperativ sion rates, reoperation	e outcomes after Lapidus n rates, and patient satisfa	arthrodesis for ction.	hallux valgus using two nitinol staples,		
Methodology	A retrospectiv, June 2018 and tarsometatarsa while 22 were medical recore median follow valgus angle (Functional out subscale, whice	A retrospective cohort study was conducted to analyze 66 cases (62 patients) who underwent Lapidus arthrodesis between June 2018 and June 2022. Two commerically available nitinol staples were utilized for the fusion of the first tarsometatarsal joint (TMT1) in all surgical interventions. Among the cases, 44 involved concomitant surgical procedures, while 22 were classified as isolated TMT1 arthrodesis cases. Data were collected through a comprehensive review of medical records, radiographic imaging, and a structured telephone survey conducted in September 2023, resulting in a median follow-up period of 37 months (range: 15–64 months). Preoperative and postoperative measurements of the hallux valgus angle (HVA) and intermetatarsal angle (IMA) were performed using weight-bearing dorsoplantar radiographs. Functional outcomes were assessed using the Foot and Ankle Ability Measure - Activities of Daily Living (FAAM-ADL) subscale. which quantifies self-reported function across daily activities.					
Procedures							
Results	The fusion rate Radiographica 19.1° (p < 0.00 or satisfied wi	e for TMT1 was 97%. Illy, the IMA improve D1). The mean FAAM th the outcomes.	, with an overall reoperati d significantly from 16.1 -ADL score was 81.7 out	ion rate of 15% ° to 9.1° (p < 0. t of 84, and 91%	, including a 3% staple breakage rate. 001), and the HVA decreased from 38.2° to 6 of patients reported being either very satisfied		
Discussions	The use of two	o nitinol staples for La	apidus arthrodesis demon	strates high rate	es of fusion and patient satisfaction.		
Format	Scientific						
Case Rpt Followup Student Club Classification Level of Evidence	Forefoot Reco Level III	nstruction					
Authors/Financial I	Disclosures						
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Submission ID	05-00900 Ref ID Sci-					Ref ID Sci-900	
Title	Does Timin Correction	Does Timing Of Hardware Removal Following Lisfranc ORIF Affect Loss of Correction?					
Submit Date	10/13/2024						
Correspondent	Last Name: Full Name: Practice/Comp	Sehgal Ashita any/Residenc	y Program:	Email: Kaiser SF Bay	ashita.x.sehga Area	l@kp.org	
Authors	Author 1: Author 3: Author 5: Author 7:	Ashita Sehga Miranda Wei	ıl, DPM intraub, PhD, MPH	Author 2: Author 4: Author 6: Author 8:	Jason Pollard, Sheng-Feng Ji	DPM iang, MS	
Purpose	The primary ai ORIF hardware is no consensus	m of this stud e removal is a s on when to 1	y was to determine whether TMT ssociated with timing of hardwar remove hardware and what effect	I loss of correct re removal (lesses s this may have	tion (displacem er or greater tha on maintaining	nent >2 mm) after Lisfranc an 4 months post ORIF). There g correction of the TMTJ.	
Methodology	We performed Lisfranc ORIF treated with OI and CPT codes groups, the firs of displacemen second, and thi	We performed a retrospective chart review on all patients in Northern California Kaiser Permanente that underwent a Lisfranc ORIF between the dates of January 1, 2007, and December 31, 2019. We identified TMTJ injuries that were treated with ORIF with subsequent hardware removal using electronic medical records, via searching for associated ICD and CPT codes. 800 patients were identified that were suitable data points for our study. Patients were separated into two groups, the first being HWR < 120 days and the second being HWR > 120 days. Loss of correction was defined as >2 mm of displacement at final WB radiographs or >1 mm of displacement if contralateral WB radiographs were present. The first, second, and third tarsometatarsal ionits were evaluated.					
Procedures							
Results	Thus far, we hat less than 4 more	ave found that nths after their	most of the patients in our study r index ORIF.	had greater los	s of correction	if their hardware removal was	
Discussions	The final data a ORIF group wl greater than 4 1	analysis is stil ho had their h months after s	l in process. We hypothesized tha ardware removal less than 4 mon urgery.	at there would b ths after surger	e greater loss o y vs those that l	f correction in the Lisfranc had their hardware removed	
Format	Scientific						
Case Rpt Followup	0						
Student Club							
Classification	Trauma						
Level of Evidence	Level III						
Authors/Financial Di	sclosures						
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Submission ID	05-00901			Ref ID Sci-901			
Title	Impact of Cons Tertiary Care C	Impact of Consultation Time to the Primary Surgical Service on Length of Stay at a Tertiary Care Center					
Submit Date	10/10/2024						
Correspondent	Last Name: Rearde	on					
	Full Name: Brenn Practice/Company/Re	an, K, Reardon, DPM, AACFAS sidency Program:	Email: Wake Forest	brennan.reardon@gmail.com Baptist Health			
Authors	Author 1:BrennAuthor 3:NichoAuthor 5:Author 7:	an, K, Reardon, DPM, AACFAS las, S, Powers, DPM	Author 2: Author 4: Author 6: Author 8:	Hayden, M, Bush, DPM			
Purpose	To evaluate the impac on the inpatient length assessed.	To evaluate the impact of emergency department consultation time to the primary surgical service, for foot-related disease, on the inpatient length of stay at a tertiary care center. Independent factors which may increase length of stay were also assessed.					
Methodology	Data was extracted for following impatient as surgical intervention a number of surgeries, i any independent predi consultation to primar of time from emergen performed. All models the study.	Data was extracted for procedures including, incision and drainage, debridement, and amputation of the lower extremity following impatient admission from June 2015 through December 2020. Time to consultation, inpatient admission, first surgical intervention and length of stay were collected. Surgical teams, American Society of Anesthesia classification, number of surgeries, intensive care unit admission and outcomes of major amputations were also collected to evaluate for any independent predictors of prolonged length of stay. To assess the association of time from emergency department to consultation to primary surgical service and limb amputation, logistic regressions was performed. To assess the association of time from emergency department to consultation to primary surgical service and length of stay. Poisson regressions were performed. All models controlled for diagnosis of diabetes mellitus and ASA score. A total of 122 patients were included in the study.					
Procedures							
Results	After controlling for d department consultation	iagnosis of diabetes mellitus and on to surgical services to amputati	ASA score, there wa on, or length of hos	as no association between time from emergency pital stay.			
Discussions	With rising cost burde optimization. This stu- highlights the effective	n and prevalence of diabetes, all f dy found that there was no associa eness of interdepartmental cooper	actors related to car ation between time f ation.	e for these patients should be examined for from ED consultation to amputation. This			
Format	Scientific						
Case Rpt Followup							
Student Club							
Classification	Epidemiology/Popula	tion Study					
Level of Evidence	Level IV						
Authors/Financial Di	sclosures						
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Submission ID	05-00905			Ref ID Sci-905			
Title	Surgical Site Infection Retrospective Analysis	Surgical Site Infection Rate from Office-Based Foot and Ankle Surgeries; A Retrospective Analysis					
Submit Date	10/15/2024						
Correspondent	Last Name: Adams Full Name: Lucas S Adams Practice/Company/Residency F	Program:	Email: Mercy Health	adamsls1809@gmail.com St. Vincents Medical Center			
Authors	Author 1: Lucas S Adams Author 3: Mark Razzante Author 5: Author 7:	, DPM , DPM	Author 2: Author 4: Author 6: Author 8:	Nevin Joseph, DPM Christina Pratt, DPM			
Purpose	Office based procedures contin convenience to patients. There study aimed to present data abo office setting.	ue to rise in podiatric clinics in is scant literature surrounding t out the incidence of postoperativ	the hope to m he infection ra ve infections f	itigate healthcare costs while providing a te of office based podiatric procedures. This ollowing procedures performed in a podiatric			
Methodology	A retrospective review of 121 patients who underwent 205 elective podiatric procedures in an office setting was conducted. We performed a wide array of procedures from soft tissue to osseous within the foot and ankle (See Table). Additionally, we evaluated variables such as age, sex, history of diabetes mellitus, peripheral neuropathy, development of postoperative infection, severity of infection, follow-up time, and prophylactic antibiotic use and its use post-operatively.						
Procedures							
Results	The overall infection rate for the one patient with the observed of three infections did not have an hardware removal, and interphe 3.3%.	is study was 1.95% (4/205), all o-morbidities of diabetes mellit observable comorbidity. The r alangeal joint arthroplasties. Wi	of which wer us with or wit nost common nen excluding	e superficial infections. Infection occurred in hout peripheral neuropathy, while the other procedures performed were digital tenotomies, tenotomies, the overall infection rate was			
Discussions	Compared to current literature, hospital or surgery center. We p technique is a relatively safe, et	Compared to current literature, the infection rate in our study is similar if not lower than reported infection rates within a hospital or surgery center. We propose that performing an array of in-office surgical procedures under typical sterile technique is a relatively safe, efficient and cost-effective option for patients.					
Format	Scientific						
Case Rpt Followup	24						
Student Club							
Classification	Wound Care/Infectious Disease	25					
Level of Evidence	Level III						
Authors/Financial E	Disclosures						
Full Name:	Email:	Disclosure(s) selected:		Disclosed Organisation(s):			
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Submission ID	05-00909				Ref ID Sci-909	
Title	Shoegear Effect o	Shoegear Effect on Hindfoot Position and Stability in Collegiate Athletes				
Submit Date	10/15/2024					
Correspondent	Last Name: Kerns Full Name: Makenzi	e	Email:	kernsmakenzie94	4@gmail.com	
	Practice/Company/Resid	ency Program:	Kentucky Ind Foot and Anl	diana Foot & Ankle kle Surgery	Specialists Reconstructive	
Authors	Author 1: Makenzi	e Kerns	Author 2:	Neil Patel, DPM	, AACFAS	
	Author 3: Paul Klu	tts, DPM, FACFAS	Author 4:	Amanda Denzik	, DPM, FACFAS	
	Author 5: Chad Mi	ller, M.A.	Author 6:			
	Author 7:		Author 8:			
Purpose	Instability at the subtalan study is to investigate th the stability provided by	joint (STJ) has been implicated in e impact of different types of footv a square toe shoe against that of the	n the incidence o wear on STJ stab he more commo	f injuries among atl vility. Specifically, t nly used narrow toe	hletes. The objective of this his research aims to compare shoe.	
Methodology	64 collegiate baseball pla intervals. Participants ma participant's legs, as wel range 18-23 years and de	64 collegiate baseball players were assessed for the frequency of STJ wobbles, or alteration in angle, over 20-second intervals. Participants maintained a unilateral stance while videographic analysis quantified the number of wobbles. Each participant's legs, as well as two distinct shoes, were examined. This study was blinded and prospective. Participant age range 18-23 years and dominant side recorded.				
Procedures						
Results	The right leg had 7.26 w 2.37. On the left, there w improvement of 2.36. Th	obbles in the narrow toe shoe com- vere 7.98 wobbles in the narrow to here was a 32.64% improvement o	pared to 4.89 we e shoe compared n the right and 2	obbles in the square 1 to 5.62 wobbles in 9.57% improvement	to to to the shoe for improvement of the square to the shoe for the on the left.	
Discussions	This study concludes that studies show that instabi instability suggesting that	This study concludes that the square toe shoe is significantly better when evaluating the stability at the subtalar joint. Prior studies show that instability at the subtalar joint puts athletes at higher risk of inversion ankle sprains and chronic ankle instability suggesting that the type of shoe gear worn by athletes may decrease the number of injuries among players.				
Format	Scientific					
Case Rpt Followup						
Student Club						
Classification	Orthotics/Prosthetics/Pe	dorthics				
Level of Evidence	Level II					
Authors/Financial D	isclosures					
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Submission ID	05-00920				Ref ID Sci-920			
Title	Diabetic e endocrino	Diabetic education and initiation of podiatric medical care: A survey of podiatrists, endocrinologists, and internal medicine & primary care professionals						
Submit Date	10/10/2024							
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Authors	Author 1:	Bryan C. Marki	inson, DPM	Author 2:	Anthony R. Iorio, DPM, MPH			
	Author 3:			Author 4:				
	Author 5:			Author 6:				
	Author 7:			Author 8:				
Purpose	Diabetes mell issues includin literature for r diabetics shou	Diabetes mellitus is a chronic disease that continues to increase in prevalence globally. Diabetics can develop foot-related issues including infections, ulcerations, and gangrene, which can result in amputation or death. There is existing medical literature for recommendations of podiatric referral, however there are differences amongst medical fields about when diabetics should be referred to podiatry and how to best educate these patients about their healthcare.						
Methodology	This quality in endocrinology	nprovement study, and podiatry. Th	y design involved a survey of ne eligible participants were co	medical profess ontacted via em	sionals in internal medicine/primary care, nail to complete the survey.			
Procedures								
Results	Fifty-one med care, and 4 (7, for a routine d majority of re 24/51(47.1%)	ical professionals 8%) endocrinologiabetic foot check spondents answer answered that the	s completed the survey: 33/51 gy. Responses included 41/51 c, but answers varied for how ed that the best way to educat ey use the teach-back method	(64.7%) podiat (80.4%) that di soon these pati- e patients abou to confirm patie	rry, 14/51 (27.5%) internal medicine/primary iabetic patients should be referred to podiatry ents should be referred to podiatry. The t healthcare included verbal discussions and ent understanding.			
Discussions	Results of the importance of	survey were shar early referral to p	ed with the participants as a q podiatry for health promotion	uality improver and disease pre	ment project with recommendations about the evention of diabetes.			
Format	Scientific							
Case Rpt Followup								
Student Club								
Classification	Diabetic Foot							
Level of Evidence	Level III							
Authors/Financial D	isclosures							
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):			
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Submission ID	05-00923				Ref ID Sci-923				
Title	Enhancing Implants f	Enhancing Surgical Outcomes: A Comparative Study of UHMWPE and PUUR Implants for Lateral Ankle Stabilization							
Submit Date	10/14/2024								
Correspondent	Last Name: Full Name: Practice/Comp	Clellen Samuel B Cl any/Residenc	lellen, DPM, MBA y Program:	Email: Martin Foot a	samclellen@gmail.com and Ankle				
Authors	Author 1: Author 3: Author 5: Author 7:	Samuel Clel Michael You	len, DPM, MBA, AACFAS ines, DPM, MBA, FACFAS	Author 2: Author 4: Author 6: Author 8:	Rachel Warner, DPM, AACFAS Jennifer Mulhern, DPM, FACFAS				
Purpose	The purpose of lateral ankle st Molecular Wei (PUUR) impla on rates of hyp selection in sur	The purpose of this study is to evaluate the revision rates and complications associated with two implant materials used in lateral ankle stabilization procedures performed by a single surgeon over a five-year period. By comparing Ultra-High Molecular Weight Polyethylene (UHMWPE) implants and degradable co-polymer polycaprolactone and polyurethane-urea (PUUR) implants, this research aims to identify the impact of implant material on surgical outcomes, particularly focusing on rates of hypersensitivity and recurrent lateral ankle instability. The findings intend to enhance understanding of material selection in surgicial outcomes.							
Methodology	The chi-square groups. The re < 0.01) betwee	The chi-square test was utilized to analyze differences in complication rates and recurrence of instability between the two groups. The results indicated statistically significant differences in both hypersensitivity ($p < 0.05$) and recurrence rates ($p < 0.01$) between the UHMWPE and PUUR groups.							
Procedures									
Results	This study revi types. The UH PUU group sho material critica	iewed 200 late MWPE group owed no hype illy affects ou	eral ankle stabilization procedu b had a 5% incidence of hyperso rsensitivity and only a 1.3% re tcomes.	res and found sig ensitivity and a 1 currence rate. Th	gnificant differences between two implant 0% recurrence rate of instability, while the lese results suggest that the choice of implant				
Discussions	Statistical anal stabilization pr the UHMWPE investigation in	Statistical analysis indicates that the choice of implant material significantly influences outcomes in lateral ankle stabilization procedures. The PUUR implant was associated with lower rates of complications and recurrence compared to the UHMWPE implant. These findings underscore the importance of material selection and highlight the need for further investigation into the long-term performance of these implants.							
Format	Scientific								
Case Rpt Followup									
Student Club									
Classification	Rearfoot and A	nkle Reconst	ruction						
Level of Evidence	Level III								
Authors/Financial Di	sclosures								
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):				
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Submission ID	05-00924				Ref ID Sci-924				
Title	Evaluatin Joint Non	Evaluating the Impact of Preoperative Deformity and Graft Size on Calcaneocuboid Joint Nonunion Rates							
Submit Date	10/14/2024								
Correspondent	Last Name: Full Name: Practice/Com	Clellen Samuel B Cl pany/Residenc	ellen, DPM, MBA y Program:	Email: Martin Foot a	samclellen@gmail.com nd Ankle				
Authors	Author 1: Author 3: Author 5: Author 7:	Samuel Clel Michael You	len, DPM, MBA, AACFAS ines, DPM, MBA, FACFAS	Author 2: Author 4: Author 6: Author 8:	Rachel Warner, DPM, AACFAS Jennifer Mulhern, DPM, FACFAS				
Purpose	Achieving art significant pro reconstruction sizes would le	hrodesis of the eoperative defo n, hypothesizin ead to higher n	calcaneocuboid joint (CCJ) in l prmities. This study investigates g that greater preoperative defor onunion rates.	nindfoot reconst risk factors for rmity, indicated	ruction is challenging, particularly due to nonunion at the CCJ following hindfoot by larger CCJ angles, and larger structural graft				
Methodology	A retrospectiv angles were c cases) and not	A retrospective chart review was conducted on 39 patients who underwent hindfoot reconstruction. Preoperative CCJ angles were categorized as mild ($<10^\circ$), moderate ($11-20^\circ$), and severe ($>21^\circ$). Nonunion rates were analyzed for graft (8 cases) and nongraft (31 cases) techniques using a chi-square test to assess differences in outcomes.							
Procedures									
Results	Data analysis (34.5%). The Among graft nonunion, lea	Data analysis revealed nonunion in 1 of 2 mild cases (50%), 0 of 8 moderate cases (0%), and 10 of 29 severe cases (34.5%). The average age of patients with nonunion was 55.7 years, compared to 60.5 years for those achieving union. Among graft cases, 2 of 8 resulted in nonunion, yielding a 75% union rate, while nongraft cases had 9 of 31 resulting in nonunion, leading to a 71% union rate.							
Discussions	Contrary to or rates (p > 0.02 play a more c affecting succ prognoses.	Contrary to our hypothesis, neither the severity of preoperative deformity nor graft size significantly influenced nonunion rates (p > 0.05). These findings suggest that other factors, such as patient-specific variables and biological aspects, may play a more crucial role in determining postoperative outcomes. Further research is needed to explore additional variables affecting success in flatfoot hindfoot reconstruction, aiming to refine surgical techniques and improve overall patient provenses.							
Format	Scientific								
Case Rpt Followup									
Student Club									
Classification	Rearfoot and	Ankle Reconst	ruction						
Level of Evidence	Level III								
Authors/Financial Di	sclosures								
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Submission ID	05-00928	;		Ref ID Sci-928				
Title	Compari Associate	Comparison of Plate Versus Intramedullary Screw Fixation for Fibular Fractures w Associated Pilon Injuries: A Retrospective Study						
Submit Date	10/13/2024							
Correspondent	Last Name:	Williams						
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	Author 3:	Nicole Schultz, DPM	Author 4:	Sarah Mansager, DPM				
	Author 5:	Kelly Kugach, DPM, AACFAS	Author 6:	Youngjae Lee, PhD				
	Author 7:	Franco Coniglione, DO	Author 8:					
Purpose	Fibular fract However, pl intramedulla research has This retrospe concomitant	ures occur in about 90% of pilon injuries, ating can be associated with wound comp ry (IM) screw fixation has been implemen evaluated IM screw fixation in ankle frac ective study compares complication rates pilon fractures.	with plating historic lications due to exten nted to alleviate this tures, however, it res between fibular plati	ally being the standard method for fixation. nsive soft tissue manipulation. Percutaneous issue by minimizing tissue disruption. Current mains less explored in associated pilon injuries. ing and IM screw fixation in patients with				
Methodology	Designed as associated p exact tests w	a retrospective case control series, a total ilon injury, with 130 undergoing fibular p vere used for statistical analysis.	of 191 patients were lating and 61 receivi	e included who had suffered fibular fractures and ng IM screw fixation. Chi-square and Fisher's				
Procedures								
Results	Results indic no significar within 30 da	ated a 15.3% higher hardware removal ra th differences were found in union rates, s ys.	te in the IM screw g urgical site dehiscen	roup compared to the plating group. However, ce, postoperative infections, or reoperations				
Discussions	Despite the i the two fixat multiple cov percutaneou and rates of	Despite the increased rate of hardware removal in the IM screw group, overall clinical outcomes were comparable between the two fixation methods. Future investigation will include use of a logistic regression model with incorporation of multiple covariates to allow for a more detailed assessment of the study. These preliminary results illustrate that use of percutaneous IM screw for fibular fixation during pilon fracture management can allow for similar postoperative outcomes and rates of complications, while notentially reducing soft tissue insult, when compared to studard plating methods.						
Format	Scientific							
Case Rnt Followun								
Student Club								
Classification	Trauma							
Lavel of Eviden	Level II							
Level of Evidence	Level II							
Authors/Financial Di	isclosures							

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Submission ID	05-00932			Ref ID Sci-932			
Title	Charcot Neuroarthrop Calculating Wedge Siz	oathy: A Novel Stands we and Placement	ardized Ra	diographic Technique for			
Submit Date	10/11/2024						
Correspondent	Last Name: Ayvazov Full Name: Sarah, L, Ayvaz Practice/Company/Residency P	ov, DPM rogram:	Email: Jefferson Hea	sarah.ayvazov@gmail.com th New Jersey			
Authors	Author 1:Sarah, L, AyvazAuthor 3:Margaret, G, ScAuthor 5:Author 7:	ov, DPM hadegg, DPM	Author 2: Author 4: Author 6: Author 8:	Alyssa, N, Kellmyer, DPM Ryan, K, Andrews, DPM			
Purpose	To standardize a radiograph-bas wedge resection for realignmen method can be a standarized ap	ed technique and measured ap t of isolated midfoot Charcot proach to adequately correct n	pproach to dete Neuroarthropat nidfoot CN def	rmine the size and placement of an osseous hy (CN) deformity. We hypothesize that this formity.			
Methodology	7 patients with midfoot CN who and validation of the novel radii bisection of the first metatarsal dorsoplantar view. These measu determined wedge which will b performed by a single surgeon.	7 patients with midfoot CN who received a wedge resection were included in our study to demonstrate sufficient correction and validation of the novel radiographic measurement technique. A standardized measurement is determined using the bisection of the first metatarsal and talus on the lateral view and the bisection of the second metatarsal and talus on the dorsoplantar view. These measurements are translated to incorporate the pathologic osseous structures to create a pre- determined wedge which will be excised intra-operatively for correction. All measurements and procedures were performed by a single surgeon.					
Procedures							
Results	Using our novel wedge resectio operative dorsoplantar measure of reduction). Average lateral m reduction). All 7 patients demos	n measurement technique, pre ment was 16 degrees, and ave easurement was 20 degrees p strated adequate angular defor	e and post-opera rage post-opera re-operatively a mity correction	ative angles were determined. Average pre- tive measurement was 6 degrees (10 degrees and 8 degrees post-operatively (12 degrees of a post-operatively.			
Discussions	Wedge resection is a well-docur determining wedge size and pla reproducible in removing the ne	mented treatment for midfoot cement. Using this technique, ccessary pathology to create a	CN, however, t our radiograph well-aligned, p	there is no standardized method for nic measurements were shown to be plantigrade foot in patients with midfoot CN.			
Format	Scientific						
Case Rpt Followup							
Student Club							
Classification	Rearfoot and Ankle Reconstruc	tion					
Level of Evidence	Level IV						
Authors/Financial D	isclosures						
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Submission ID	05-00936				Ref ID Sci-936				
Title	The Role o Retrospect	The Role of Deltoid Ligament Repair in Medial Malleolus Ankle Fractures: A Retrospective Analysis							
Submit Date	10/11/2024								
Correspondent	Last Name: Full Name: Practice/Compa	Sy Edgar any/Residency	Program:	Email: Barry Univers	EdgarFSy@gmail.com ity School of Podiatric Medicine				
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Purpose	This study inve function. The n	stigates outco ecessity of del	mes of primary deltoid ligament Itoid ligament repair in such case	repair in ankle es remains a toj	fractures and its influence on stability and bic of debate.				
Methodology	A retrospective scans confirme Medial malleol assess function	analysis of 50 d fracture patte us, posterior n al outcomes.	ankle fractures, comprising 16 erns, and deltoid ligament injury nalleolus, and syndesmotic repai	bimalleolar and was defined b irs were perforr	l 34 trimalleolar fractures, was performed. CT y a medial clear space greater than 4mm. ned as indicated. AOFAS scores were used to				
Procedures									
Results	Patients who un 84.2, with 2-sci medial malleoh potential indire Posterior malle improved AOF, restoring stabili	Patients who underwent open reduction internal fixation (ORIF) of the medial malleolus had an average AOFAS score of 84.2, with 2-screw fixation scoring 88.3, 1-screw fixation scoring 81.1, and plate fixation scoring 83.4. Patients without medial malleolus fractures averaged 81.2, with those receiving flexible rope syndesmotic repair scoring 84.7, suggesting potential indirect deltoid repair. Posterior malleolus fractures were observed in 41 cases, with only 11 undergoing fixation. Posterior malleolar fixation, particularly in fractures exceeding 25% of the articular surface, may have contributed to improved AOFAS scores due to the posterior inferior tibiofibular ligament (PITFL) and the role of indirect reduction in restoring stability.							
Discussions	The findings in stability. Howe repair. Addition stabilization. Fu term outcomes.	The findings indicate that ORIF of the medial malleolus provides satisfactory outcomes and improves deltoid ligament stability. However, long-term patient satisfaction and stability may be further optimized with ancillary deltoid ligament repair. Additionally, posterior malleolar and syndesmotic fixation contribute to improved outcomes through indirect deltoid stabilization. Further investigation into fixation thresholds and ancillary repair techniques is warranted to enhance long-term outcomes.							
Format	Scientific								
Case Rpt Followup									
Student Club	_								
Classification	Trauma Loval IV								
Level of Evidence	Level IV								
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Submission ID	05-00937					Ref ID Sci-937	
Title	Syndesmot of Flexible	ic Repair vs. Rigid	in Trimalleolar and Bi Fixation and Patient S	malleolar A atisfaction	Ankle Fract Outcomes	ures: A Comparison	
Submit Date	10/11/2024						
Correspondent	Last Name: Full Name:	Sy Edgar		Email:	EdgarFSy@gn	nail.com	
	Practice/Compa	any/Residency	Program:	Barry Univers	sity School of Po Il Center	diatric Medicine/ Jackson	
Authors	Author 1:	Edgar Sy, DP	M, AACFAS	Author 2:	Joy Latif, DPM	1	
	Author 3:	Julio Kessel,	DPM	Author 4:	Veronica Ramo	os, MS-2	
	Author 5:	Lisa Mesa, M	IS-2	Author 6:	Calimar Rodrig	guez, MS-2	
	Author 7:			Author 8:			
Purpose	Syndesmotic in flexible and rig compare flexib American Orth	juries are com id fixation ren le and rigid sy opaedic Foot a	nmon in ankle fractures, particul nains controversial, especially re ndesmotic fixation in patients w & Ankle Society (AOFAS) satisf	arly in trimalle egarding patien vith trimalleolar faction rates.	olar and bimalled t outcomes and s r and bimalleolar	olar. The choice between atisfaction. This study aims to fractures, focused on the	
Methodology	A retrospective analysis was conducted on 50 patients, 34 trimalleolar and 16 bimalleolar fractures. Syndesmotic fixation was performed in 22 patients: 10 received flexible, and 12 received rigid fixation. The AOFAS scores were used to measure patient satisfaction, with an emphasis on differences in outcomes between flexible and rigid fixation in both fracture types. The average follow-up period was 12 months.						
Procedures							
Results	Among patients (88.3) compare 87.6. However, between the two	s with syndesr d to those trea bi-malleolar t o groups.	notic injuries, those treated with ted with rigid fixation (81.3). In flexible (n=3) AOFAS 88.7 vs ri	flexible fixation tri-malleolar, gid (n=4) 83.2	on demonstrated flexible (n=7) AC . The overall com	a higher mean AOFAS score DFAS of 84.1 vs rigid (n=8) uplication rate was comparable	
Discussions	Rigid syndesmo in trimalleolar f ankle fractures,	Rigid syndesmotic fixation appears to offer improved patient satisfaction, as reflected in higher AOFAS scores, particularly in trimalleolar fractures. These findings suggest that flexible fixation may be a favorable option for patients in bimalleolar ankle fractures, however rigid fixation demonstrated advantageous for trimalleolar setting.					
Format	Scientific						
Case Rpt Followup							
Student Club							
Classification	Trauma						
Level of Evidence	Level III						
Authors/Financial Di	sclosures						
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):	
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Submission ID	05-00938				Ref ID Sci-938			
Title	Patient Satisf Trimalleolar I	action v Fractur	with Posterior Malleolu es	is fixation	versus Syndesmotic fixation in			
Submit Date	10/11/2024							
Correspondent	Last Name: Sy Full Name: Edg	gar		Email:	EdgarFSy@gmail.com			
	Practice/Company/	Residency	Program:	Barry Univers North	ity School of Podiatric Medicine/ Jackson			
Authors	Author 1: Edg	gar Sy, DP	M. AACAS	Author 2:	Joy Latif, DPM			
	Author 3: Juli	io Kessel, I	DPM	Author 4:	Lisa Mesa, MS-2			
	Author 5: Ver Author 7:	onica Ram	nos, MS-2	Author 6: Author 8:	Calimar Rodriguez Monsanto, MS-2			
Purpose	Trimalleolar ankle study aims to asses addressed in trimal	fractures a s if fixatin leolar fract	re common injuries that occur, b g the posterior malleolus results tures.	out treatment is in better patien	usually based on surgical preference. This t outcomes than when only the syndesmosis is			
Methodology	41 Trimalleolar frac that only had Poste those with only late fixation groups. Pa	41 Trimalleolar fractures were identified and separated into 4 groups; those that only had syndesmotic fixation (SF), those that only had Posterior malleolus fixation (PF), those with both syndesmotic and posterior malleolus fixation (SPF) and those with only lateral and medial malleolar fixation. The syndesmotic group was further divided into rigid versus flexible fixation groups. Patients were then contacted and questioned on their overall satisfaction using the AOFAS scale.						
Procedures								
Results	Of the 41 trimalleolar fractures, 34,1% of patients had SF (n=14), 21.9% had PF (n=9), 4.8% had SPF (n=2), and 39.0% had only lateral and medial malleolar fixation (n=16). Of the Syndesmotic group, 5 used flexible fixation while 9 used rigid fixation. Average AOFAS scores was 85.2 for the SF group, 87.2 for the PF, 89.3 for SPF, and 81.5 for the group with only lateral and medial malleolar fixation. For those with flexible syndesmotic fixation, their AOFAS was 93.2 while the rigid fixation averaged at 84.3. All patients were ambulatory at time of contact.							
Discussions	Our findings show when both the synd a higher average A	Our findings show that patients have better outcomes when the posterior malleolus is fixated with an even better outcome when both the syndesmosis and posterior malleolus are fixated. Moreover, patients with flexible syndesmotic fixation had a higher average AOFAS score than those with rigid fixation.						
Format	Scientific							
Case Rpt Followup								
Student Club								
Classification	Trauma							
Level of Evidence	Level III							
Authors/Financial Di	sclosures							
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):			
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Submission ID	05-00940				Ref ID Sci-940			
Title	An Invest	An Investigation of Pointe Shoe Fit Principles Among the Elite Level						
Submit Date	10/11/2024							
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Authors	Author 1: Author 3: Author 5: Author 7:	Lily, S, Cohen, Melanie, Violan	PMS-II d, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Sibella, Campbell, MA, PMS-IV David, Jenkins, DPM, FACFAS, FAAPSM			
Purpose	Dancing en po injury among advances. Cur factors are val	binte places great this population. T rrently, there is no lued when fitting	demands on adolescents' well he proper fit of pointe shoes i standard for evaluating point for pointe shoes in the elite ba	-being. Researd s essential for p e shoe fit. The illet world.	th has proven the prevalence of lower extremity performance success and safety as their training purpose of this study was to examine what			
Methodology	A survey exar two elite danc used to select	A survey examined the criteria and assessments used to determine proper pointe shoe fit for young dancers among twenty- two elite dance companies in the United States. The Dance Magazine's 2023-2024 Pre-Professional Program Guide was used to select programs. This study was limited to professional institutions.						
Procedures								
Results	81% of progra fitter include: examine if the develops.	81% of programs provide an introductory course on what to look for during a pointe shoe fitting. Crucial qualities of a fitter include: experience, knowledge of different pointe shoes, and awareness of the student's strength. Instructors tend to examine if the dancer can stand up straight in the shoe, shank strength, stability, alignment, and overall fit as their foot develops.						
Discussions	Currently, no that their shoe increased den ballet commu	Currently, no protocol on pointe shoe fit at the elite level. Yet, heightened risk for injury among dancers stresses the vitality that their shoes are suited appropriately. Proper education of students and instructors about shoe fit as the dancer adjusts to increased demand will enhance their performance, minimize injury, and prevent extensive treatment in the future. The ballet community is a significant component of sports medicine that needs to address foot and ankle concerns.						
Format	Scientific							
Case Rpt Followup								
Student Club								
Classification	Epidemiology	/Population Study	7					
Level of Evidence	Level V							
Authors/Financial Di	isclosures							
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Submission ID	05-00947				Ref ID Sci-947				
Title	Combined flatfoot de	Combined arthroeresis with Evans calcaneal osteotomy for selective patients with flatfoot deformity, a retrospective review							
Submit Date	10/12/2024								
Correspondent	Last Name:	Rose							
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Purpose	Arthroereisis pediatric flatf biomechanica demonstrate s	of the subtalar j oot. These proc l outcomes on t uccessful outco	oint and the Evans calc edures are often directly the foot and may be dor omes of these procedure	aneal osteotomy are ea y compared in academ he concomitantly in sel s when performed togo	ch utilized to operatively address symptomatic ic literature however each has differing ect patients. This retrospective review will ther within the same operation.				
Methodology	A retrospectiv a single surge	A retrospective review was performed between April 2024 and October 2024 on patients who received both procedures by a single surgeon at our institution.							
Procedures									
Results	A total of 24 p one reported i radiographic r degrees (p<0. degrees (p<0.	patients were id ncidence of rer neasurements s 001), cuboid ab 001) and talar c	entified with an average noval of hardware of th aw statistically signific oduction angle from 50.0 leclination from 31.75 t	e follow up of 7.2 year e arthroereisis implant ant improvement. Aver 63 to 32.08 degrees (p o 19.96 degrees (p<0.0	s (range 6.5-8.9). At final follow up there was (4.1%) and zero incidence of infection. All age Kite's angle improved from 8.75 to 1.46 <0.001), Meary's angle from 50.63 to 32.08 001).				
Discussions	Patients with performed in triplanar corre subtalar joint literature that rate in the peo	Patients with severe transverse plane deformity and flexible heel valgus may benefit from having these procedures performed in conjunction due to their differing biomechanical impacts on the foot. The Evan's procedure provides a triplanar correction most significantly impacting the transverse plane. Subtalar arthroereisis primarily serves to restrict subtalar joint eversion and shift peak pressures during weight bearing. We hope to add to the current body of scarce literature that these procedures can be used in concert while demonstrating excellent survivorship and low complication rate in the neglistic production.							
Format	Scientific								
Case Rpt Followup	49								
Student Club									
Classification	Rearfoot and	Ankle Reconstr	ruction						
Level of Evidence	Level IV								
Authors/Financial D	isclosures								
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):				
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FACFAS

Submission ID	05-00954				Ref ID Sci-954				
Title	Effect of a Condition	Effect of a Potent Nitrogenous Bisphosphonate on Cell Viability in Diabetic Conditions: An In Vitro Study on Human Fibroblasts and Pre-Osteoblasts							
Submit Date	10/14/2024								
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	Practice/Com	pany/Residenc	y Program:	The Universi Medicine	ty of Texas Rio Grande School of Podiatric				
Authors	Author 1:	Denae Cantu	I.	Author 2:	Bryan Liu				
	Author 3:	Deborah Ro	cha Seixas, DDS, MSc, PhD	Author 4:	Claudia C. Biguetti, DDS, MSc, PhD				
	Author 5:			Author 6:					
	Author 7:			Author 8:					
Purpose	Zoledronate (Despite its eff wound healin potentially co	Zol) is a nitrog ficacy in prever g. We hypother mpromising tis	enous bisphosphonate (nBP) us nting fractures, concerns exist a size that Zol may impair the res ssue healing in the lower extrem	sed to treat osted about its side eff sponses of huma nities of patients	porosis, bone metastases, and Charcot foot. eets on mesenchyme-origin cells and impaired n fibroblasts (hF) and pre-osteoblasts (MC3T3), with diabetes.				
Methodology	MC3T3 cells and hF were cultured in 96-well plates at a density of 2.5 x 10 ³ cells for 48 and 72 hours, respectively. Cells were subjected to normal glucose, high glucose, and high oxidative stress conditions (0.2 mM to 0.4 mM HzO ₂) and exposed to various Zol concentrations (0.1 to 100 μ M). Viability was assessed using a tetrazolium compound assay with absorbance at 490 nm. Quantitative data were analyzed using One-Way ANOVA followed by Tukey's test, with a significance level set at 0.05%.								
Procedures									
Results	Zol treatment also lowered all conditions	reduced hF an hF viability in : . No significan	d MC3T3 viability significantly normal and high glucose enviro t changes were observed in MC	y from concentr onments, reducin 23T3 cell prolife	ations of 1 and 5 μ M upwards, respectively. It ng to as low as 11% under 0.2 mM H ₂ O ₂ across ration under high glucose conditions.				
Discussions	Our prelimina potentially aff effects further	Our preliminary findings suggest that Zol may impair the viability and proliferation of mesenchymal-derived cells, potentially affecting wound healing, particularly in diabetic conditions. Additional studies are needed to explore these effects further and at lower dosages of H2O:in these cells as they are exposed to nBPs.							
Format	Scientific								
Case Rpt Followup									
Student Club									
Classification	Diabetic Foot								
Level of Evidence	Level IV								
A	1								
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Submission ID	05-00985				Ref ID Sci-985			
Title	Platelet Rich Plası Replacements: A H	na as an Adjunctive The Retrospective Analysis	rapy for In	cisional He	aling for Total Ankle			
Submit Date	10/13/2024							
Correspondent	Last Name: Katmeh							
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	Practice/Company/Reside	ncy Program:	UF Health - J	acksonville				
Authors	Author 1: Firas Katr	neh, DPM, MSH	Author 2:	Jason A. Pirai	no, DPM, MS, FACFAS			
	Author 3:		Author 4:					
	Author 5:		Author 6:					
	Author 7:		Author 8:					
Purpose	Surgical dehiscence with regarding platelet rich pla We sought to evaluate the	Surgical dehiscence with total ankle replacements (TAR) is a devastating consequence. A plethora of literature exists regarding platelet rich plasma (PRP). However, little exists on the use of PRP for incisional healing, specifically in TARs. We sought to evaluate the efficacy of PRP on patients undergoing a TAR at our institution.						
Methodology	A retrospective chart review of 25 patients who underwent a TAR from 2019 – 2024 was conducted. Patients were dichotomized into 2 groups with paired t-tests: 12 in the PRP group and 13 in the No PRP group. Incisions were considered healed within 21 days of index surgery. 5cc of PRP was used on the anterior incision. Patient demographics, average tourniquet time, adjunctive procedures and type of implant were collected and analyzed.							
Procedures								
Results	7 patients in the PRP and 55.5 days with No PRP (F Average tourniquet time v Adjunctive procedures we	7 in the No PRP groups healed thei =0.820). 56% of patients healed w vas 125.58 minutes in the PRP grou re not statistically significant (P=0	r incisions. Ave ithin 21 days w ıp and 115.07 n .789).	rage days to he hile 44% took g ninutes in the N	al was 23.6 days with PRP and greater than 21 days (p=0.075). o PRP group (P=0.029).			
Discussions	Our data revealed an impr or when compared to the the effects PRP has on inc	oved duration of incision healing v No PRP group. Higher powered and isional healing in TARs.	vith PRP but di 1 more standard	d not show stati lized studies are	stical significance upon analysis e necessary to truly determine			
Format	Scientific							
Case Rpt Followup								
Student Club								
Classification	Rearfoot and Ankle Record	astruction						
Level of Evidence	Level III							
Authors/Financial D	isclosures							
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Submission ID	05-00996					Ref ID Sci-996		
Title	Compara Monorail	tive Outcomes of External Fixation	Fibular Repair: n	Open Rec	luction Intern	al Fixation vs.		
Submit Date	10/14/2024							
Correspondent	Last Name: Full Name: Practice/Com	Ocasio-Martinez Gabriel A. Ocasio-Ma pany/Residency Progran	rtinez, B.S. n:	Email: Barry Univer	gabriel.ocasiomar sity School of Podia	tinez@mymail.barry.edu tric Medicine		
Authors	Author 1: Author 3: Author 5: Author 7:	Gabriel A. Ocasio-Ma Dunia Águila-Leiva, E Liset Perez, DPM	rtínez, B.S. 3.S.	Author 2: Author 4: Author 6: Author 8:	Timmer Hoffmeis Maria Torrealba, J Enrique Rosario-J	tter, B.S. M.Sc., B.S. Aloma, DPM, PhD		
Purpose	This retrospecies internal fixati	ctive study aimed to com ion (ORIF) and monorail	pare outcomes of fibul external fixation.	ar repair using	two surgical techni	ques: open reduction and		
Methodology	We analyzed last three yea infection or d	We analyzed 25 cases of fibular repair using ORIF and 22 cases using monorail external fixation, all performed within the last three years. Key metrics assessed included postoperative pain, operating room (OR) time, rates of postoperative infection or dehiscence, and the timeline for weightbearing and full recovery.						
Procedures								
Results	The external percutaneous were no recor a quicker retu performed a s between the t	The external fixation group demonstrated a significant reduction in postoperative pain, attributed to the less invasive percutaneous approach. Additionally, the OR time was significantly shorter in the external fixation cohort. Notably, there were no recorded instances of infection or dehiscence in the external fixation group. Patients in this group also experienced a quicker return to weightbearing and achieved full recovery sooner compared to those who underwent ORIF. We performed a statistical analysis to evaluate our results using the Chi-square t-test to compare the categorical outcomes between the two groups, with an accepted P value of						
Discussions	Monorail exte postoperative dehiscence. T	Monorail external fixation for fibular repair offers significant advantages over traditional ORIF, including reduced postoperative pain, shorter OR times, and improved recovery metrics, with no complications related to infection or wound dehiscence. These findings suggest that external fixation may be a superior approach for fibular repair.						
Format	Scientific							
Case Rpt Followup								
Student Club								
Classification	Trauma							
Level of Evidence	Level III							
Authors/Financial l	Disclosures							
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Submission ID	05-01017			Ref ID SR-1017					
Title	Ganglion	Ganglion Cyst: Common Pathology or Potential Misdiagnosis?							
Submit Date	10/15/2024								
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	Author 7:	Chandler J. Ligas DPM FACFAS	Author 8:						
Purpose	Soft tissue sa the rate at wl evaluating ar	arcomas can mimic benign lesions, most co hich synovial sarcomas may be seen and er ny foot and ankle mass.	ommonly ganglion on mphasize the import	cysts. The purpose of this review is to highlight tance of ruling out more aggressive tumors when					
Methodology	A systematic review of studies published in PubMed and Medline databases from 2019 to 2024 was conducted to identify articles discussing the misdiagnosis of soft tissue sarcomas. Search terms included "misdiagnosis," "soft tissue sarcoma," and "ganglion cyst." A standard methodology for performing a systematic review was followed using PRISMA guidelines.								
Procedures									
Results	Patient data t synovial sarc these tumors sarcomas, 40	for 766 biopsies were available. Ganglion of comas were diagnosed in 2.7%. The rate of are underdiagnosed. In masses that were of % (187/468) were not completely resected	cysts comprised 10. synovial sarcomas linically misdiagno and required furth	8% of the histopathologic diagnoses while was higher in this review, which may suggest used that were determined to be synovial er intervention.					
Discussions	A biopsy sho in definitive	ould be done prior to surgery to avoid misd care including chemotherapy, radiation tre	iagnosis. Misdiagn atments and further	osis can lead to incomplete resection and a delay OR debridements.					
Format	Systematic R	Review							
Case Rpt Followup									
Student Club									
Classification	Soft Tissue/T	Fumor							
Level of Evidence	Level IV								
Authors/Financial Di	sclosures								

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Submission ID	05-01048					Ref ID SR-1048		
Title	Partial Calc	anectomy	: Analysis of the Out	tcomes				
Submit Date	10/14/2024							
Correspondent	Last Name: G	rambart						
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	Author 5: Jo	hn Bennett D	PPM FACFAS	Author 6:	Sean T. Gramb	art DPM FACFAS		
	Author 7:			Author 8:				
Purpose	The purpose of th primary healing, s status.	The purpose of this investigation was to perform a systematic review on PC and specific risk factors and how they affect rimary healing, soft tissue complications, conversion to BKA or total calcanectomy, mortality, and post-op ambulatory tatus.						
Methodology	The authors' cond such as WorldCat spanned articles p keywords "Partial	he authors' conducted electronic database searches within the Des Moines University library system, utilizing resources the as WorldCat, Gale Academic OneFile, the Public Health Database, ERIC, and the Cochrane Library. The search anned articles published in English to December 31, 2023. We retrieved outcomes(n=124) from searches using the eywords "Partial Calcanectomy" and "Subtotal Calcanectomy".						
Procedures								
Results	Our results among are shown in Figu Failure.	Our results among the 463 patients included in the final 27 studies, 474 partial calcanectomy procedures were performed are shown in Figures 1-8 for Gender, Age, Peripheral Vascular Disease, Osteomyelitis, Antibiotics, Nicotine, and Renal Failure.						
Discussions	Female patients a but also have a les or improve their a chance to at least	Female patients are less likely to have a PC appeared to have a better chance to primarily heal and better ambulatory status, but also have a less complications. The age group of 50's-60's has a decreased likelihood of primary healing and return to or improve their ambulatory. The use of systemic antibiotics has reduced likelihood of the adverse events and a better chance to at least return to their ambulatory. Pre-operative MRI leads to improvement of ambulatory status post-op.						
Format	Systematic Revie	w						
Case Rpt Followup								
Student Club								
Classification	Diabetic Foot							
Level of Evidence	Level III							
Authors/Financial Di	isclosures							
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			Member of a medical publi board	cation or editori	al governing	FASTRC		
			Grant/Research funding			The Podiatry Foundation		

Submission ID	05-01076	Ref ID SR-1076						
Title	The Multiple Roles Utilizing Pharmaco	The Multiple Roles of 5-LO in Tissue Regeneration: Insights from Animal Models Utilizing Pharmacological and Genetic Approaches						
Submit Date	10/14/2024							
Correspondent	Last Name: John							
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	Practice/Company/Resider	ncy Program:	Univeristy of Medicine	f Texas Rio Grande Valley School of Podiatric				
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	Author 3:		Author 4:					
	Author 5:		Author 6:					
	Author 7:		Author 8:					
Purpose	This systematic scoping re models, aiming to highligh	view explores the role of 5-lipox t potential therapeutic benefits an	ygenase (5LO) and challenges.	and its products in tissue healing within animal				
Methodology	A systematic search using a rodents as the population, t comparison, and tissue heat	a specific was conducted from 19 tissue injury as the intervention, a ling as the outcome. Articles that	994 to 2024 usin no treatment vs. t solely focused	g MEDLINE. The PICO framework focused on modulation of the 5LO pathway/products as the on in vitro studies were excluded.				
Procedures								
Results	The search yielded 22 relevent Methods to block the 5LO combination of both in one skeletal muscle; and one of inhibition on burn wound n	vant articles. After removing dup pathway included genetic approa b. Five studies demonstrated bene n skin wound healing in diabetes recovery, cardiac repair post-myo	licates and appl aches in three stu- eficial effects on . However, four ocardial infarction	ying exclusion criteria, 20 studies were scoped. udies, pharmacological in sixteen, and a bone repair, including in diabetes; three on studies reported detrimental effects of 5LO on, and liver regeneration.				
Discussions	Our results underscor e the wound healing. The inhibit modulation to avoid advers	crucial role of 5-LO in tissue reption of 5-LO offers promising avorse outcomes.	pair, with a direct enues for tissue-	ct impact and potential benefit in diabetic specific therapies but requires careful				
Format	Systematic Review							
Case Rpt Followup								
Student Club								
Classification	Wound Care/Infectious Dis	seases						
Level of Evidence	Level I							
Authors/Financial D	isclosures							
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Submission ID	05-01079				Ref ID SR-1079		
Title	Impact of First Metatarsal Shortening: Implications and Insights						
Submit Date	10/14/2024						
Correspondent	Last Name: Armout Full Name: Nabih, A Practice/Company/Resid	rmout, DPM ency Program:	Email: Cooperman Ba	nabiharmout1(arnabas Medical	@gmail.com Center		
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Purpose	This meta-analysis inves metatarsalgia following l	tigates the impact of first metatarsal aallux valgus surgery.	shortening on th	ne incidence of	postoperative transfer		
Methodology	The analysis included 15 metatarsalgia, with subgr	studies with 1,550 patients, focusin oup analyses based on surgical tech	g on the relatior niques, patient o	iship between n lemographics, a	netatarsal shortening and nd foot morphology.		
Procedures							
Results	The results show a correl in a low incidence (6.1% shortening exceeded 4 m osteotomies, associated v osteotomies, which typic	ation between the degree of shorten) of metatarsalgia, while shortening m, the incidence of transfer metatar vith minimal shortening, had the low ally result in greater shortening, had	ing and metatar between 3-4 mr salgia rose to 27 vest incidence o I the highest inci	salgia risk. Shon n increased the %. Subgroup an f metatarsalgia idence (30%).	tening less than 3 mm resulted incidence to 15%. When halysis revealed that Chevron (6.5%). In contrast, Wilson		
Discussions	Patient factors play a sign degrees of shortening, wi metatarsal was shortened significantly reduce the r preferred, especially for selection of techniques th	Patient factors play a significant role. Older patients (greater than 60 years) had a higher risk of complications across all degrees of shortening, while individuals with a longer second metatarsal were susceptible to metatarsalgia when the first metatarsal was shortened greater than 3 mm. The findings suggest that limiting shortening to less than 3 mm can significantly reduce the risk of transfer metatarsalgia. Chevron osteotomies, which minimize shortening, should be preferred, especially for high-risk populations. These results underscore the importance of careful surgical planning and selection of techniques that preserve metatarsal length to ontimize national outcomes and minimize complications.					
Format	Systematic Review						
Case Rpt Followup							
Student Club							
Classification	Forefoot Reconstruction						
Level of Evidence	Level III						
Authors/Financial Di	sclosures						
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Submission ID	05-01108 Ref							
Title	Topical a Systema	Topical and Oral Probiotics as an Adjunctive Therapy for Diabetic Foot Ulcers: A Systematic Review with Meta-Analysis						
Submit Date	10/14/2024							
Correspondent	Last Name:	Webb						
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	Author 5:			Author 6:				
	Author 7:			Author 8:				
Purpose	This study a offering a co	ims to assess the effication of the effication of the second seco	acy of topical and oral pro h to conventional wound o	biotics in impi care.	roving wound healing in diabetic patients,			
Methodology	A systematic Cochrane Li Systematic r (PRUSA/da)	e review was conducte brary up to September reviews, animal, and ca y) was calculated and a	d following PRISMA guid 2024. Studies evaluating udaveric studies were excl analyzed using one-tailed	lelines, includ probiotics' eff uded. Percent weighted ANC	ing studies from PubMed, Google Scholar, and eet on diabetic foot ulcers were included. reduction of ulcer surface area per day DVA and Tukey's Post-Hoc Test.			
Procedures								
Results	Of 6123 arti probiotics w 0.97% for or Tukey's test	cles, four studies (105 ere studied in three tri- ral probiotics (n=30), a showing topical probi	ulcers) were included: thr als, and oral probiotics in and 0.83% for controls (n= otics had a mildly signific	ee randomized one. The PRU =42). ANOVA ant effect over	d control trials and one case report. Topical SA/day was 1.21% for topical probiotics (n=42), was statistically significant (P=0.04), with r controls.			
Discussions	Diabetic pat a stronger ef These findin	ients have disrupted sk ffect on healing than or gs support further larg	tin flora, which probiotics ral probiotics, demonstrati re-scale trials to explore th	can help resto ng promise as le use of probi	re. This study showed that topical probiotics had an adjunctive treatment for diabetic ulcers. otics as adjunct therapy for diabetic foot ulcers.			
Format	Systematic I	Review						
Case Rpt Followup								
Student Club								
Classification	Wound Care	/Infectious Diseases						
Level of Evidence	Level IV							
Authors/Financial I	Disclosures							
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Submission ID	05-01110 Ref ID					
Title	The Use of Custo Deformities	om 3E	Implants for The C	orrection o	of Complex Foot and Ankle	
Submit Date	10/15/2024					
Correspondent	Last Name: Dourra Full Name: Ali, Do Practice/Company/Resi	urra DP dency F	M Program:	Email: Corewell He	ali.dourra@corewellhealth.org alth Hospital Wayne	
Authors	Author 1: Ali, Do Author 3: Author 5: Author 7:	ırra, DF	ΡM	Author 2: Author 4: Author 6: Author 8:	Lawrence, Fallat, DPM, FACFAS	
Purpose	The management of lar This study evaluates the	ge ossec effecti	ous defects, deformities, and veness of custom 3D-printed	non-unions in t implants in ad	he foot and ankle remains clinically challenging. dressing these complex pathologies.	
Methodology	This retrospective study including large bone de radiographic fusion, neo FAAM.)	analyz fects, po d for a	ed 25 patients treated with cu ost-traumatic arthritis and Ch dditional surgery, complication	ustom 3D-printe arcot neuroarth on rates and fur	ed implants for foot and ankle pathologies, ropathy. Outcome measures included cctional outcome scores (AOFAS, ADL,	
Procedures						
Results	Implants with anatomic compared to more comp demonstrated improved experienced increased r implant bone resorption	ally cor blex, irr load di nechani leading	gruent geometries provided : egular shapes with multiple c stribution and joint stability, cal stress and reduced efficac g to mechanical instability, in	superior biome components. Im while those spa cy. Neuropathic nplant migratio	chanical stability and functional outcomes plants designed to target a single axis of motion nnning multiple joints with differing axis patients had poorer outcomes, with peri- n and hardware failure.	
Discussions	Custom 3D-printed imp anatomical reconstructi term implant stability at	lants pr on. Hov 1d succe	rovide a promising solution for vever, careful patient selection ess.	or managing co on and appropris	mplex osseous defects, allowing for precise ate implant design are essential to ensuring long-	
Format	Systematic Review					
Case Rpt Followup	12					
Student Club						
Classification	Rearfoot and Ankle Rea	onstruc	tion			
Level of Evidence	Level III					
Authors/Financial D	Disclosures					
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):	
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Submission ID	05-01112 Ref ID SI							
Title	Sever's A Compari	Sever's Apophysitis: A Systematic Review and Meta-Analysis of Treatment Approaches Comparing Biomechanical and Patient-Reported Outcomes						
Submit Date	10/14/2024							
Correspondent	Last Name: Full Name:	Webb Brady, M, Webb	, DPM	Email:	bradymwebb71@yahoo.com			
	Practice/Con	npany/Residency Pr	ogram:	Rochester Ge	neral Hospital			
Authors	Author 1: Author 3: Author 5: Author 7:	Richard, An, DP Frederic, Z, Odd	M lone, DPM	Author 2: Author 4: Author 6: Author 8:	Brady, M, Webb, DPM Paul, J, Merkel, DPM			
Purpose	To evaluate the comparing m	he efficacy of vario ultiple treatment m	us interventions for managin odalities.	g heel pain in	children and adolescents with Sever's disease,			
Methodology	A systematic Library throu in Visual Ana	A systematic review followed PRISMA guidelines, including studies from PubMed, Google Scholar, Ovid, and Cochrane Library through September 2024. Studies with patient-reported outcomes for Sever's apophysitis were included. Changes in Visual Analog Scale (VAS) scores were analyzed using a one-tailed ANOVA and Tukey's Post-Hoc Test.						
Procedures								
Results	Of 10,487 art versus contro Tukey's test f heel pad thicl	ticles, five studies (ls. The average trea found no statisticall kness, peak plantar	330 feet) were included, asse atment time was 11.6 weeks. ly significant difference amor pressure and 6 item foot pos	essing custom of The average V ng groups. Bio ture index.	orthotics, heel cups/lifts, and taping/bracing /AS score decrease was -4.7. ANOVA and mechanical outcomes from studies included:			
Discussions	While no stat 96.3% VAS r improved pat effective trea	istical difference w eduction in one stu ient outcomes, thou tment for Sever's a	as observed between treatme dy). The improvements likely ugh none were statistically su pophysitis.	ents, individual y reflect the co perior. Further	studies reported notable pain reduction (e.g., a ndition's self-limiting nature. All treatments research is needed to identify the most			
Format	Systematic R	eview						
Case Rpt Followup								
Student Club								
Classification	Orthotics/Pro	sthetics/Pedorthics						
Level of Evidence	Level IV							
Authors/Financial D	oisclosures							
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Submission ID	05-01115 Ref ID							
Title	Outcome Systemat	Outcomes of 3D-Printed Total Talus Replacements for Avascular Necrosis: A Systematic Review						
Submit Date	10/14/2024							
Correspondent	Last Name:	Webb						
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	Practice/Con	npany/Residency Pro	gram:	Rochester Ger	neral Hospital			
Authors	Author 1:	Tyler, A, Grimes,	DPM	Author 2:	Brady, M, Webb, DPM			
	Author 3:	Tayler, A, Thoma	s, DPM	Author 4:	Paul, A, Stasko, DPM, AACFAS			
	Author 5:			Author 6:				
	Author 7:			Author 8:				
Purpose	To evaluate s (AVN) witho	hort- and intermedia ut tibiotalocalcaneal	te-term outcomes of total ta arthrodesis (TTC) or total a	lus replacemen nkle replaceme	ts (TTR) performed for avascular necrosis ent (TAR).			
Methodology	A systematic Cochran libra patients were analyzed, and	A systematic review was performed following PRISMA guidelines, including studies from Pubmed, Google Scholar, Cochran library, and Ovid databases up to September 2024. Articles evaluating 3D-printed implants for TTR in AVN patients were included, excluding studies with TTC, TAR, or less than one-year follow-up. AOFAS and VAS scores were analyzed, and odds ratios were used to assess complication timing.						
Procedures								
Results	Out of 9940 a and case repo was 3.5 (n=3 year, but this	articles, nine studies orts (n=4). The avera 4). Four patients req was not statistically	were included (47 feet). All ge postoperative AOFAS sc uired revision surgeries. Od significant.	studies had lev ore was 85.8 (r ds ratios indica	vel 4 evidence, consisting of case series (n=5) n=17), and the average reduction in VAS scores ted an increased likelihood of revision each			
Discussions	Statistically s studies shoul and function	significant improven d compare 3D-printe for patients with end	nents in AOFAS and VAS sc ed talus implants to cadaveri I-stage AVN.	ores were obse c and allograft	rved, with a low complication rate. Future options. 3D-printed TTRs offer improved pain			
Format	Systematic R	eview						
Case Rpt Followup								
Student Club								
Classification	Rearfoot and	Ankle Reconstruction	on					
Level of Evidence	Level IV							
Authors/Financial D	Disclosures							
Full Name:	Email:		Disclosure(s) selected:		Disclosed Organisation(s):			
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Submission ID	05-01131				Ref ID SR-1131				
Title	Evaluating Amputatio	Evaluating the Impact of Multidisciplinary Approach in Lower Limb Diabetic Re- Amputation on Underserved Communities							
Submit Date	10/14/2024								
Correspondent	Last Name: Full Name: Practice/Comp	Nguyen Julian any/Residen	ey Program:	Email: Crozer Health	juliandpm1@gmail.com				
Authors	Author 1: Author 3: Author 5: Author 7:	Julian Nguy Rhonda S. (en, DPM Cornell, DPM	Author 2: Author 4: Author 6: Author 8:	Elaine Chu, DPM				
Purpose	This poster exa underserved co	This poster examines a multidisciplinary approach to limb salvage and the rates of lower limb re-amputation in an underserved community.							
Methodology	This is a retros risk factors and Delaware Cour	This is a retrospective study that provide an overview of various types of amputation precedes a detailed analysis of the risk factors and rates of re-amputation. Our study, conducted at Crozer-Chester Medical Center and Taylor hospital in Delaware County, Pennsylvania, examined diabetic patients over a three-year period.							
Procedures									
Results	Results demon of the patient's	strated that s	ocioeconomic status (SES) es negatively affected surg), the laterality of the in ical outcomes (p<0.01	nitial amputation, and the number and severity)				
Discussions	These findings research is war patients in und	underscore t rranted to exp erserved con	he need for targeted interv lore effective strategies fo munities.	entions to improve out r limb salvage and to a	comes in underserved populations. Further ddress the disparities in surgical outcomes for				
Format	Systematic Rev	view							
Case Rpt Followup									
Student Club									
Classification	Diabetic Foot								
Level of Evidence	Level III								
Authors/Financial Di	isclosures								
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Submission ID	05-01143			Ref ID SR-1143				
Title	Cannabinoids, the ne systematic review	Cannabinoids, the new alternative to NSAIDs in post-operative pain relief - a systematic review						
Submit Date	10/14/2024							
Correspondent	Last Name: Magno							
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	Practice/Company/Residency	Program:	Emory Unive	ersity School of Medicine				
Authors	Author 1: Kiara E Franc	is, DPM	Author 2:	Angela S Moon, DPM				
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	Author 5: Ahmad K Ode	eh, DPM	Author 6:					
	Author 7:		Author 8:					
Purpose	Cannabis is the most common properties. Animal studies hav healing. The purpose of this st of cannabinoids in podiatric st	ly used illicit substance worldw ve shown novel therapeutic bene tudy is to summarize the availab urgery.	ride; however, efits of medica ble evidence of	it has begun to be legalized for its therapeutic il cannabis with respect to analgesia and bone n the analgesic and bone-protective properties				
Methodology	A systematic review of the lite standard methodology for per excluded.	A systematic review of the literature through PubMed from 2019 through 2024 was conducted to identify articles. A standard methodology for performing a systematic review using PRISMA guidelines was used. Animal studies were excluded.						
Procedures								
Results	15 articles were initially found	d, and 6 were included in this st	udy. All studie	es were at least clinical level of evidence 4.				
Discussions	Based on this review, there is supports its analgesic effects. science research and animal si research and continued legaliz operative pain management.	limited yet promising evidence However, there needs to be mor tudies show promising therapeu ration are necessary before cann	on the therape re data on its b tic benefits wi abinoids could	utic efficacy of cannabinoids. Qualitative data one-protective properties. Overall, basic th cannabinoids. However, more robust clinical d be considered a possible alternative in post-				
Format	Systematic Review							
Case Rpt Followup								
Student Club								
Classification	Trauma							
Level of Evidence	Level IV							
Authors/Financial D	Disclosures							
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Submission ID	05-01161				Ref ID SR-1161				
Title	Reporting Trials: A	Reporting of Social Demographics in Diabetic Foot Ulcer Randomized Controlled Trials: A Systematic Review							
Submit Date	10/14/2024								
Correspondent	Last Name:	Casciato							
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	Practice/Com	pany/Residency P	rogram:	Orlando VA Medical Center					
Authors	Author 1:	Nigel Morris DI	PM	Author 2:	Kevin Ruiz MS-4				
	Author 3:	Joshua Calhoun	DPM	Author 4:	Dominick J Casciato DPM				
	Author 5:			Author 6:					
	Author 7:			Author 8:					
Purpose	The purpose of in randomized and represent	The purpose of this study is to systematically assess the reporting of race, ethnicity, and other social determinants of health in randomized controlled trials (RCTs) evaluating treatments for diabetic foot ulcers (DFUs), promoting more equitable and representative evidence-based care.							
Methodology	A systematic review following PRISMA guidelines was conducted, searching PubMed for RCTs on DFU therapies from 2014-2024. Studies were screened for demographics such as age, sex, race, ethnicity, and other social determinants of health. Counts and frequencies were reported; bias was assessed using the Cochrane risk-of-bias tool.								
Procedures									
Results	Across 61 manuscripts, 100% reported age, 98% reported sex, and 66% included BMI. Race and ethnicity were mentioned in 48% and 28% of manuscripts, respectively. Insurance coverage and socioeconomic class were noted in only 2% of studies, with no income data reported. Further analyses were performed for age (10%), sex (13%), BMI (12%), race (8%), and ethnicity (7%) across the manuscripts. Among all studies, the greatest proportion of low level of bias was reported in attrition (93%), while performance blinding maintained the greatest proportion of high bias (56%).								
Discussions	Reporting of prioritize incl	Reporting of race, ethnicity, and social determinants of health in DFU treatment RCTs is limited. Future studies should prioritize including these factors to ensure more equitable and representative research for diverse patient populations.							
Format	Systematic R	Systematic Review							
Case Rpt Followup									
Student Club									
Classification	Wound Care/	Wound Care/Infectious Diseases							
Level of Evidence	Level I								
Authors/Financial D	lisclosures								
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Submission ID	05-01198		Ref ID SR-1198							
Title	RICE vs M Patients	RICE vs MEAT: An Analysis of Postoperative Therapy Techniques in Podiatric Patients								
Submit Date	10/14/2024									
Correspondent	Last Name: Full Name: Practice/Compa	Tabler Briana, M, T my/Residenc	Tabler, DPM 29 Program:	Email: Crozer-Cheste	brianatabler1@gmail.com er Medical Center					
Authors	Author 1: Author 3: Author 5: Author 7:	Briana Table Rhonda Cor	er, DPM nell, DPM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Anushka Ramnani, DPM					
Purpose	The purpose of MEAT) to be us	The purpose of this article is to introduce, to the field of podiatry, a new and possibly more effective therapy (known as MEAT) to be used in post-operative patients.								
Methodology	To assess the ef utilizing relevar was analyzed in	To assess the effectiveness in post-operative podiatric patients, these different therapeutic modalities were evaluated utilizing relevant clinically-based research articles on search engines such as PubMed and Google Scholar. Each method was analyzed in its respective setting.								
Procedures										
Results	MEAT proposes to, or improven	MEAT proposes that timely movement of the affected area has a key role in the reduction of pain and expedites the return to, or improvement of, a patient's baseline functional status.								
Discussions	MEAT focuses combining early option for poste literature.	MEAT focuses on mobilizing the affected region to facilitate the movement of lymphatic fluid throughout the body. By combining early mobility with a multi-modal pain relieving approach, MEAT accelerates the healing process. As a new option for postoperative therapeutic modalities, this article is anticipated to be the first introduction of MEAT to podiatric literature.								
Format	Systematic Rev	Systematic Review								
Case Rpt Followup										
Student Club										
Classification	Physical Therap	Physical Therapy/Rehabilitation								
Level of Evidence	Level IV	Level IV								
Authors/Financial D	isclosures									
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Submission ID	05-01205	Ref ID SR-1205						
Title	Current Considerations and Trends of Acute Deltoid Ligament Repair in Ankle Fractures Among Prominent Foot and Ankle Surgeons							
Submit Date	10/14/2024							
Correspondent	Last Name: Gambh Full Name: Nikita Practice/Company/Res	ir idency Program:	Email: University of	gambhir@uthscsa.edu Texas Health Science Center				
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Purpose	To investigate the current trends and perspectives among prominent foot and ankle surgeons regarding the management of deltoid ligament injuries in the context of high-impact fractures.							
Methodology	Contact information for 80 prominent foot and ankle surgeons was curated to ensure diverse expertise in rearfoot and ankle surgery. A 15-question survey was emailed to participants. The primary endpoint was to assess trends in expert opinions on repairing syndesmotic ankle fractures with or without primary deltoid ligament repair. The secondary endpoint evaluated surgeon preferences, decision-making criteria, and complications encountered.							
Procedures								
Results	Out of 80 surveys, 34 (43%) were completed. Among respondents, 19 (55.9%) had over 20 years of experience, 6 (18%) had 10-20 years, and 9 (26%) had less than 10 years. Of those surveyed, 29 (85%) reported using primary deltoid ligament repair for ankle fractures with syndesmotic disruption, and 27 (79%) believed ORIF is necessary for all fractures involving both syndesmotis and deltoid ligament rupture. Newer experts favored adjunctive deltoid repair with syndesmotic ORIF.							
Discussions	Survey results indicates a strong consensus among respondents on the importance of primary deltoid ligament repair in managing syndesmotic ankle fractures							
Format	Systematic Review							
Case Rpt Followup								
Student Club								
Classification	Rearfoot and Ankle Reconstruction							
Level of Evidence	Level V							
Authors/Financial Di	sclosures							
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Submission ID	05-01250 Ref ID				Ref ID SR-1250		
Title	Micro-fra Osteoarth	Micro-fragmented Adipose Tissue Injection Therapy for Treatment of Ankle Osteoarthritis: A Systematic Review & Meta-Analysis					
Submit Date	10/14/2024						
Correspondent	Last Name: Full Name: Practice/Com	Kvach Diana, Kvach, B pany/Residency Pro	S ogram:	Email: Samuel Merrit	diana.kvach@samuelmerritt.edu t University College of Podiatric Medicine		
Authors	Author 1: Author 3: Author 5: Author 7:	Diana Kvach, BS Melissa Jaballas, Christina Pratt, E	BS 9PM, FACFAS	Author 2: Author 4: Author 6: Author 8:	Dorsa Javaheri, BS Alize Koolen, BS		
Purpose	This systemati for patients wi this treatment,	ic review aims to e ith ankle osteoarth which has been ex-	valuate the efficacy of micro itis (OA). The review seeks (tensively studied for knee C	o-fragmented ad to engage the p OA but is under-	ipose tissue (MFAT) injection in reducing pain odiatric community and expand research on explored for the ankle.		
Methodology	Studies publis randomized St effects model	Studies published up to 2024 were screened from Cochrane, PubMed, and Google Scholar. The Risk of Bias in Non- randomized Studies of Interventions tool was used to assess bias. Data analysis was conducted in R Studio using a random effects model to find standardized mean differences (SMD) and F statistics were applied for heterogeneity.					
Procedures							
Results	Three studies Analog Scale serious. VAS s significant pai and 24 months	were included, wit (VAS) scores to as scores were assessed n reduction at 6 m s (SMD, 3.79; 95%	h 63 patients in total aged 18 sess outcomes and Kellgren- ed pre-intervention and at 6, onths (SMD, 3.30; 95% CI [0 CI [3.42, 4.16]).	8-80. Inclusion of Lawrence grade 12, and 24 mon 2.94, 3.67]), 12	rriteria comprised studies that utilized Visual e I-IV ankle OA. Bias ranged from moderate to ths post-intervention. All studies reported months (SMD, 3.43; 95% CI [2.86, 3.99]),		
Discussions	MFAT therapy randomized co	MFAT therapy effectively reduces pain in ankle OA patients for up to two years. Future research should focus on randomized controlled trials to provide higher-quality evidence on this treatment.					
Format	Systematic Re	view					
Case Rpt Followup							
Student Club Classification Level of Evidence	Physical Thera Level III	apy/Rehabilitation					
Authors/Financial D	isclosures						
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Submission ID	05-01262			Ref ID SR-1262			
Title	An Update on Allergic Titanium Allergic Read Be Prepared Preoperat	Reactions to Titaniun ctions: A Systematic R tively	1 Implant eview of 7	s and Systematic Review or Fitanium Implants and How to			
Submit Date	10/15/2024						
Correspondent	Last Name: Razzante						
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	Author 7:	А	uthor 8:				
Purpose	This study investigates titanium failure and inflammation. The ge Lymphocyte Immunostimulation	(Ti) hypersensitivity in surgica bal is to evaluate diagnostic me h Assay (MELISA), to improve	l implants, wl thods, particu outcomes for	hich can cause complications like implant larly skin patch testing versus the Memory patients with metal sensitivities.			
Methodology	A literature search using databas 2024, focusing on titanium impl hypersensitivity, excluding non-	A literature search using databases such as Google Scholar and PubMed identified 18 peer-reviewed studies from 2006 to 2024, focusing on titanium implant reactions. Inclusion criteria involved studies with clinical or experimental data on Ti hypersensitivity, excluding non-metallic implant failures and unrelated hypersensitivity reactions.					
Procedures							
Results	Titanium hypersensitivity, thoug Patch testing often fails to detect materials, such as ceramic or nic	h rare, can result in chronic inf t deep tissue reactions, while M obium, may be better for patient	lammation an IELISA testin ts with metal :	d implant failure in foot and ankle surgeries. g shows greater accuracy. Alternative allergies.			
Discussions	MELISA testing is a more reliab preoperative MELISA testing ar Preoperative MELISA testing sh	MELISA testing is a more reliable tool for diagnosing metal hypersensitivity than patch testing. Surgeons should consider preoperative MELISA testing and alternative implants to reduce hypersensitivity risks, improving patient outcomes. Preoperative MELISA testing should be standard for titanium implant patients to minimize allergic reactions.					
Format	Systematic Review						
Case Rpt Followup							
Student Club							
Classification	Wound Care/Infectious Diseases	;					
Level of Evidence	Level I						
Authors/Financial D	Disclosures						
Full Name:	Email:	Disclosure(s) selected:		Disclosed Organisation(s):			
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Submission ID	05-01266			Ref ID SR-1266			
Title	Re-operation Rat	Re-operation Rates for Lateral Column Lengthening: A Systematic Review					
Submit Date	10/15/2024						
Correspondent	Last Name: Grambart Full Name: Sean Practice/Company/Resid	E ency Program: D	mail: sean.grambar Des Moines Univeristy	t@dmu.edu			
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Purpose	The purpose of this study	is to examine the re-operation rates of	f nonunion and hardware rea	moval of an Evan's Osteotomy.			
Methodology	The authors' conducted e All articles involved a co extraction, inclusion or e after removing articles du	The authors' conducted electronic database searches within the Des Moines University library system, utilizing PubMed. All articles involved a comprehensive evaluation conducted by the coauthors, each ensuring concurrence regarding the extraction, inclusion or exclusion, and data entry. 2,350 articles were evaluated. With elimination of duplicate articles and after removing articles due to exclusion criteria, we were left with 141 articles. 16 articles met are criteria.					
Procedures							
Results	Overall nonunion rate of nonunion rate to 8.0%. T plates. Hardware remova	7.7% for Evans osteotomy. The additi- tanium wedge has the lowest nonunio rate was 26.0%	onal of a medializing calcan n rate of 3.1% compared to	eal osteotomy increased the allograft, autograft, and wedge			
Discussions	The nonunion rate did no the lateral column length lower nonunion rate. The titanium instead of traditi	The nonunion rate did not show any statistical significance between the lateral column lengthening group only compared to the lateral column lengthening group combined with the medializing calcaneal osteotomy, The titanium wedge did have a lower nonunion rate. The authors speculate that this is due to the use of compression hardware that can be used with titanium instead of traditional graft materials in which compression can lead to graft resorption.					
Format	Systematic Review						
Case Rpt Followup							
Student Club							
Classification	Rearfoot and Ankle Reco	nstruction					
Level of Evidence	Level IV						
Authors/Financial D	isclosures						
Full Name:	Email:	Disclosure(s) selected:		Disclosed Organisation(s):			
		Grant/Research funding		The Podiatry Foundation			
Construction DDM		Hold more than a 2% financial is any organizations(s)	nterest (including stocks) in	BESPA Global			
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Submission ID	05-01295			Ref ID SR-1295				
Title	The Efficacy of Extr Clinical Treatment (Analysis of Random	The Efficacy of Extracorporeal Shockwave Therapy Compared with Alternative Clinical Treatment Options for Plantar Fasciitis: A Systematic Review and Meta- Analysis of Randomized Controlled Trials and Retrospective Comparative Study						
Submit Date	10/15/2024							
Correspondent	Last Name: Reardon Full Name: Brennan, K, Practice/Company/Residency	Reardon, DPM, AACFAS y Program:	Email: Student Transa	brennan.reardon@gmail.com atlantic Education in Podiatric Surgery				
Authors	Author 1:Brennan, K,Author 3:Jenny, Ying,Author 5:Faris HussainAuthor 7:	Reardon, DPM, AACFAS Yuan, MSII n, MSIII	Author 2: Author 4: Author 6: Author 8:	Gabriella, A, Ley, DPM, AACFAS Rainiel, Reyes, MSIII				
Purpose	Our purpose was to determine of alternative clinical treatme	e if extracorporeal shockwave the ent options with equal or greater	nerapy is still a efficacy.	viable treatment option with the introduction				
Methodology	We systematically searched I ESWT with widely used PF Laser Therapy (HILT), cortic plasma (PRP) injections. The	We systematically searched PubMed, MDP, JFASI, and NIH, focusing on studies published after 2022 that compared ESWT with widely used PF treatments. We reviewed four studies involving 209 participants, assessing High-Intensity Laser Therapy (HILT), corticosteroid injections combined with therapeutic ultrasound (CSI + TUS), and platelet-rich plasma (PRP) injections. The visual analog scale (VAS) was used to measure pain reduction.						
Procedures								
Results	The mean VAS pain differen respectively. PRP demonstra alternatives, with comparabl lasting effects, unlike the few	ce for ESWT was 3.63, while H ted the greatest pain improveme e improvements in PF pain and r ver required for CSI + TUS and	ILT, CSI + TUS nt. While ESW eduction in PF PRP.	, and PRP showed 3.24, 2.08, and 5.71, T is a viable treatment option to these thickness, it requires multiple sessions for				
Discussions	Despite the need for multiple preferred option for patients benefits in treating PF.	Despite the need for multiple sessions, ESWT is virtually painless and may be more accessible in clinics, making it a preferred option for patients and physicians alike. Further research is needed to explore ESWT's long-term physiological benefits in treating PF.						
Format	Systematic Review							
Case Rpt Followup								
Student Club								
Classification	Physical Therapy/Rehabilitat	tion						
Level of Evidence	Level IV							
Authors/Financial Di	sclosures							
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Submission ID	05-01326 Ref				Ref ID SR-1326		
Title	Impact of A Meta-Analy	Impact of Adjunctive Procedures on Outcomes in Chopart's/TMA: A Comprehensive Meta-Analysis					
Submit Date	10/15/2024						
Correspondent	Last Name: E Full Name: T	Eljahmi Farek A. Elja	ahmi, DPM	Email:	teljahmi@sain	tjosephs.org	
	Practice/Compan	ny/Residency	y Program:	Saint Joseph's	Medical Center		
Authors	Author 1:TAuthor 3:SAuthor 5:Author 7:	Farek A. Elja Sanghyuk Ki	uhmi, DPM im ,DPM, AACFAS	Author 2: Author 4: Author 6: Author 8:	Huma S. Haq, James De Meo	DPM , DPM, FACFAS	
Purpose	The goal of our s adjunctive procee	study is to qu dures aimed	uantify the healing rates of forefo at mitigating equinovarus defor	oot amputations mity.	when performe	d with and without various	
Methodology	Analysis of differ comprehensive so "transmetatarsal" traumatic amputati forefoot amputati	Analysis of different studies of forefoot amputations were performed at various times from 2009 and 2021. A comprehensive search was performed with the following terms using PubMed and Google Scholar databases, including "transmetatarsal", "amputation", "forefoot amputation", "Chopart's amputation". Inclusion criteria consisted of non- traumatic amputations, and exclusion criteria consisted of non-RCT, RCT, retrospective or cohort studies comparing forefoot amputation healing rate with adjunctive procedures.					
Procedures							
Results	Forefoot amputat reulceration rate. fusions experience 9 patients experience	tions alone h Amputation ced 16% reu enced no reu	had a 94% ulceration rate, forefo ns with tendon lengthening exper llceration rates. forefoot amputat ulceration.	ot amputations rienced a 5% re- ions with multi	performed with -ulceration rate. ple adjunct proce	tendon transfer had a 13% Amputations with hindfoot edures performed in a group of	
Discussions	Based on the ana reulceration rates amputations.	llysis, forefo s. It is impor	oot amputations with hindfoot fus rtant to include adjunctive procee	sion or Achilles lures to prevent	tendon lengther further deformi	nings had the lowest ties following forefoot	
Format	Systematic Revie	ew					
Case Rpt Followup							
Student Club							
Classification	Diabetic Foot						
Level of Evidence	Level III						
Authors/Financial Di	sclosures						
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):	
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Submission ID	05-01392					Ref ID SR-1392	
Title	Do We Ne	ed Anothe	er Frame? A Scoping Ro	eview on Ex	xternal Fra	me Reuse	
Submit Date	10/15/2024						
Correspondent	Last Name:	Hughes					
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Authors	Author 1:	James M. Hu	ighes BS	Author 2:	Nicholas B. O	bias BS	
	Author 3:	Dustin B. Pr	ins DPM, MBA, FACFAS	Author 4:	Amanda L. Ki FFPM RCPS	lleen DPM, FACPM, CWSP,	
	Author 5:			Author 6:			
	Author 7:			Author 8:			
Purpose	This study ain external fixati	ns to assess the on.	e safety of reprocessed external f	ixator compone	nts to lower the	cost burden of surgeries using	
Methodology	Investigators Frame" and "I	searched PubM Reuse." Param	Ied, Cochrane, Web of Science, a eters were set for articles include	and Google Sch ed in the study a	olar for candida	te articles for "External Fixator using a PRISMA flow chart.	
Procedures							
Results	Systematic set seventeen (17 Non-Union, E between analy difference in a	arching yielded) Hexapod, and Deformity, Com vzed papers we adverse outcom	d nineteen results with two article d eight (8) Illizarov Frames were pplex/Open Tibia & Fibula Fract re thirty-one (31) pilon fractures nes was found between reprocess	es matching the reprocessed. E ure, and Distal I and twenty-fou eed and single-u	criteria. A total xternal fixation- Radial Fracture. Ir (24) tibial plat ise external fixat	of forty-six (46) Delta, indicated pathologies were Total shared pathologies eau fractures. No significant ors.	
Discussions	This review for outcomes. Ou specific patho material cost r specific patho	This review found that Reprocessed External Fixators were not inferior to Single-Use External Fixators regarding adverse outcomes. Outcomes measured were infection and mechanical failure. Limitations were nondifferentiation between specific pathologies and frame types. Reprocessing frames is a viable means of reducing healthcare costs; up to 60% of material cost may be saved depending on the frame. This line of inquiry would benefit from further investigation on specific pathologies.					
Format	Systematic Re	eview					
Case Rpt Followup							
Student Club							
Classification	Trauma						
Level of Evidence	Level II						
Authors/Financial Dis	sclosures						
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Submission ID	05-01403 Ref ID SR-14							
Title	Probative	Probative Value in Peripheral Angiogram for Planning Lower Extremity Flaps						
Submit Date	10/15/2024							
Correspondent	Last Name: Full Name: Practice/Comp	Giagnacova Albert pany/Residenc	y Program:	Email: Company	Albertdpm@gmail.com			
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Purpose	Flaps are esser proper vascula Alternatives of	ntial part of re ir supply or tra f MRI-angiogr	constructive limb savage la inspositional and rotation f rams and CT with runoff w	adder, we favored usi flaps, stenosis and ob vere less specific and	ng peripheral angiogram, both as insurance as struction interventional were addressed. only diagnostic is scope of value.			
Methodology	Peripheral ang until angiogran peripheral ang group.	Peripheral angiogram flap was done at least 5 days before flap execution. Angiograms traditional concepts were dispelled, until angiogram were reviewed. 13 patient had followup angiograms. Are study is nonrandomized all flaps received an peripheral angiogram, this is limitation in our study. Microvascular disease are poorly understood within our research group.						
Procedures								
Results	3/38 flaps faile other thinner v	3/38 flaps failed for noncomplaint, early weightbearing, poor HGa 1c, non compliances issues such as not taking ASA or other thinner were noted.						
Discussions	Janhofer, also research had a approach. Lite standard of car community are	Janhofer, also Park published a similar article but from an endovascular perspective, not from orthoplastics approach, our research had a further followup and special attention to the management of flap whereas was more interventional in approach. Literature reviews bears out that peripheral angiogram is clinically superior to CT and MRI, and should be standard of care for both perspective surgeons and interventionist. There as been little consensus within the orthoplastics community are should be definitive workup for these patients.						
Format	Systematic Re	view						
Case Rpt Followup	166							
Student Club								
Classification	Wound Care/In	nfectious Dise	ases					
Level of Evidence	Level II							
Authors/Financial Di	sclosures							
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Submission ID	05-01409			Ref ID SR-1409			
Title	Racial Disparities i Revascularization i Analysis	n Amputation and Lim) n Peripheral Arterial D	b Salvage o isease: A S	f Lower Extremity ystematic Review and Meta-			
Submit Date	10/15/2024						
Correspondent	Last Name: Mackey						
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	Practice/Company/Residen	cy Program:	University of Medicine	Texas Rio Grande Valley School of Podiatric			
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Purpose	Racial disparities in healthc particularly regarding ampu revascularization.	are outcomes pose significant ch atation and limb salvage rates bet	allenges in man ween Black and	aging peripheral arterial disease (PAD), White patients following lower extremity			
Methodology	A systematic review was co 2014 to 2024 addressing ra studies prior to 2014, lackir	A systematic review was conducted using PubMed and EBSCO databases, following PRISMA guidelines. Studies from 2014 to 2024 addressing racial disparities in PAD outcomes post-revascularization were included. Exclusions comprised studies prior to 2014, lacking racial data, and non-human studies, case reports, and abstracts.					
Procedures							
Results	Of 3,986 articles, three stud limb salvage rate of 0.53 ar 240,139 patients. The third These findings indicate sign	lies with 310,397 patients were ir nong 7,108 patients. Another fou study showed an amputation rate nificantly higher amputation rates	ncluded. One stu nd an amputation of 2.5 and a lir s and lower limb	ady reported an amputation rate of 1.9 and a on rate of 1.04 and a limb salvage rate of 0.59 in nb salvage rate of 0.40 for 63,150 patients. o salvage rates for Black patients.			
Discussions	These results emphasize the for all patients, fostering he	e need for targeted interventions t alth equity and enhancing quality	to tackle dispari 7 of life.	ties in PAD treatment and improve outcomes			
Format	Systematic Review						
Case Rpt Followup	0						
Student Club							
Classification	Epidemiology/Population S	tudv					
Lovel of Evidence	I evel III	5					
Level of Evidence	Leven						
Authors/Financial D	isclosures						
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Submission ID	05-01415				Ref ID SR-1415	
Title	Surgical Systemat	Planning f ic Review	or Complex Podiat and Meta Analysis	ric Deformity	with 3D Biomodel Printing: A	
Submit Date	10/15/2024					
Correspondent	Last Name: Full Name: Practice/Con	Dobronevsk Lina Dobro 1pany/Residen	ky nevsky DPM, PGY3 cy Program:	Email: Northwell L	dobronevsky@gmail.com IJ Forest Hills	
Authors	Author 1: Author 3: Author 5: Author 7:	Lina Dobro Kaitlin Kin Caitlyn Mir	nevsky gston, DPM, PGY3 hihane, DPM	Author 2: Author 4: Author 6: Author 8:	Robert J Stabile, DPM, FACFAS Raffin Chowdhury, DPM, PGY3,	
Purpose	Variability ex factors. We a	tists for surgication in to establish	al intervention of rigid low a value of preoperative 3D j	er extremity deformi printing in compariso	ities. Planning for this includes many individual on to conventional preoperative planning.	
Methodology	Utilizing PRI Including cri operative dur	Utilizing PRISMA guidelines, a systematic review of literature published to PubMed was conducted through 2016. Including criteria of 3D model printing in correction for complex deformities/injuries. Measures for outcome included operative duration, fluoroscopy time, post-op complications and patient satisfaction.				
Procedures						
Results	Nine studies prospective of analysis of the of 13.28 min decreased. Fl statistically s	Nine studies were initially identified however; five met our criteria for outcome measures. Five studies were either prospective or retrospective with two comparison groups: 3D printing pre-operatively and conventional planning. Meta- analysis of the studies showed operation duration was appreciably decreased in the 3D groups. We found mean difference of 13.28 minutes. Only two studies exhibited postoperative complications - one showed no difference, second was decreased. Fluoroscopy mean difference was 6.15 minutes. Meta-analysis of patient satisfaction via AOFAS score yielded statisfication via the reviewed studies.				
Discussions	This systema printing has s to resident ed	This systematic review provides promising evidence in improved patient outcomes using 3D biomodels. Access to 3D printing has shown improvement in surgical outcomes for a wide range of deformities and proven a valuable enhancement to resident education.				
Format	Systematic R	eview				
Case Rpt Followup						
Student Club						
Classification	Rearfoot and	Rearfoot and Ankle Reconstruction				
Level of Evidence	Level III					
Authors/Financial D	isclosures					
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Submission ID	05-00725			Ref ID SR-725
Title	Open vs Minimall Literature Review	y Invasive Approaches	to Ankle A	rthrodesis - A Systematic
Submit Date	10/15/2024			
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	Author 5:		Author 6:	
	Author 7:		Author 8:	
Purpose	This research addresses th complication rates?	e question: Is MIS superior to o	pen arthrodesis	in terms of clinical outcomes, recovery, and
Methodology	A literature search was co total of 129 articles which met the inclusion/exclusio	nducted of the Advocate Christ were reviewed and sorted based on criteria.	Midwest Library d on their titles a	v as well as the Pubmed database. This yielded a nd abstracts. 12 final studies were included that
Procedures				
Results	All selected studies were measures to compare MIS the MIS approach has a h	reviewed and mean fusion rates, vs. open approaches for ankle a igher fusion rate, faster time to f	time to fusion, a urthrodesis. Base usion, and lower	and complication rates were selected as outcome d on paired t-tests of the means, it was found that complication rate.
Discussions	Arthroscopic approaches open approaches. Howeve	to ankle arthrodesis should be gi er, surgeon preference/comfort a	ven much more nd patient comp	consideration due the noted benefits compared to atibility is still the greatest predictor of outcome.
Format	Systematic Review			
Case Rpt Followup				
Student Club				
Classification	Rearfoot and Ankle Record	nstruction		
Level of Evidence	Level III			
Authors/Financial F	Disclosures			
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Submission ID	05-00769			Ref ID SR-769			
Title	Effect of tibial tulger ulcer grading	Effect of tibial transverse transport corticotomy on chronic lower extremity ulcers by ulcer grading					
Submit Date	10/02/2024						
Correspondent	Last Name: Guo						
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	Practice/Company/Re	sidency Program:	Cambridge H	Health Alliance			
Authors	Author 1: Anna	Guo, DPM, MS	Author 2:	Shuran Zhang, DPM			
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	Author 5:		Author 6:				
	Author 7:		Author 8:				
Purpose	The tibial cortex trans neuroischemic lower	everse transport corticotomy (TTT) is a extremity wounds, although its effective	in emerging lin veness relative	nb salvage technique for refractory to wound severity remains uncertain.			
Methodology	A systematic review v following PRISMA g underwent TTT were	A systematic review was conducted to evaluate the effects of the TTT on chronic lower extremity wound healing, following PRISMA guidelines. Studies with patients ≥18 years and ≥ Wagner 2 or UT 2B lower extremity ulcers who underwent TTT were included.					
Procedures							
Results	Of 64 total screened a (level 1 evidence) and 3 and Wagner 4. The 3 (n=58) ulcers (95% 21.44, 43.63; p<0.000	rticles, 7 studies met inclusion criteria (three retrospective (level 2 evidence) weighted mean difference in healing ti CI 6.89, 18.67; p<0.0001). Pooled hea 1). Overall healing rate was 94.77% (s	with 1,446 TT . Two studies come was 12.78 co lling time (five seven studies, r	T procedures; four prospective observational ompared healing rates by ulcers graded Wagner lays longer for Wagner 4 (n=31) versus Wagner studies, n=1,072) was 32.53 days (95% CI i=1446; 95% CI 93.48, 95.81).			
Discussions	The TTT shows poter evaluated TTT by wo regenerative procedur	The TTT shows potential beyond limb salvage for management of neuroischemic lower extremity ulcers. Few studies have evaluated TTT by wound severity, but the overwhelming positive healing rates published so far provide support for this regenerative procedure with recalcitrant ulcers regardless of severity.					
Format	Systematic Review						
Case Rpt Followup							
Student Club							
Classification	Diabetic Foot						
Level of Evidence	Level II						
Authors/Financial Di	isclosures						
Full Name:	Email:	Disclosure(s) selected:		Disclosed Organisation(s):			
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Submission ID	05-00797			Ref ID SR-797			
Title	The Effectiven on Factors Suc	The Effectiveness of 3-D Talus Modeling Varies Among Patient Populations Depending on Factors Such as Age, Sex, and Comorbidities: A Systematic Review.					
Submit Date	09/30/2024						
Correspondent	Last Name: Cam Full Name: Russ Practice/Company/R	ellia ell esidency Program:	Email: Temple Univ	camellia.russell@temple.edu ersity College of Podiatric Medicine			
Authors	Author 1: Thor Author 3: Mark Author 5: Author 7:	nas Birdwell DPM FACFAS x Russell BSN RN	Author 2: Author 4: Author 6: Author 8:	Camellia Russell			
Purpose	This research assesse based on patient fact	es whether 3-D talus modeling enha ors like age, sex, and comorbidities	ances surgical outco 3.	mes for total ankle replacement differently			
Methodology	An extensive system electronic databases:	atic approach was used to locate av JFAS, JAPMA, PubMed, Embase,	ailable studies. Sear Cochrane Library,	rches will be conducted in the following and Scopus.			
Procedures							
Results	Our systematic revie effectiveness- age, c abuse, are notable ch between males and f to be used.	w indicated that 3-D modeling of the omorbidities, and sex. Age-related allenges for older patients combing emales have taken sharp focus on the	he talus is affected b comorbidities such g through a model. I he geometrical shap	by a patient factor that can influence its as vascular disease, or more commonly, alcohol n addition, dramatic anatomical differences e of the talus, which calls for new 3-D models			
Discussions	Concerning patient-h sex. Therefore, addre relevance in surgical	Concerning patient-hosted 3-D models, factors affect the success of 3-D talus modeling, such as age, comorbidities, and sex. Therefore, addressing the customization of 3-D models here is fundamental in improving their efficiency and clinical relevance in surgical planning and outcomes.					
Format	Systematic Review						
Case Rpt Followup							
Student Club							
Classification	Rearfoot and Ankle	Rearfoot and Ankle Reconstruction					
Level of Evidence	Level I						
Authors/Financial D	isclosures						
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Submission ID	05-00802					Ref ID SR-802			
Title	The Use of 8% Capsaicin in Painful Neuropathy Secondary to HIV and Diabetes								
Submit Date	10/01/2024								
Correspondent	Last Name: Full Name: Practice/Com	Santiago Savannah, M, Sa pany/Residency Pr	antiago DPM rogram:	Email: Ascension St.	savannahsantiag Vincent Indianapo	odpm@gmail.com olis			
Authors	Author 1: Author 3: Author 5: Author 7:	Savannah M Sai	ntiago, DPM	Author 2: Author 4: Author 6: Author 8:	Jonathan Labovi	tz, DPM, FACFAS, CHCQM			
Purpose	This study con patients with on the effectiven	This study conducts a systematic review and meta-analysis to evaluate the efficacy of 8% capsaicin for treating pain in patients with diabetic peripheral neuropathy (DPN) and HIV-associated peripheral neuropathy (HIV-PN). It also examines the effectiveness of different patch application durations of 30, 60, and 90 minutes across the two subgroups.							
Methodology	A literature se English over t treat and patie those focusing encompassing improved ratio system.	A literature search was performed using PubMed, Embase, and Google Scholar, focusing on Level 1 studies published in English over the last 10 years with full-text access. Inclusion criteria required studies with a relevant number needed to treat and patient populations treated for HIV-PN, DPN, or both, using the 8% capsaicin patch. Exclusion criteria included those focusing solely on the 8% capsaicin patch without treating DPN or HIV-PN. Seven articles were selected, encompassing a total patient population of 3,161, with 2,337 in the treatment group. Statistical analyses included ANOVA, improved ratio, percentage improvement, averaged ratio, and Chi-squared tests, with bias analysis using the RoBANS 2.0 system.							
Procedures									
Results	The treatment found between	The treatment group experienced an average pain improvement of 40.7% ($p = 0.016$). No significant differences were found between patch durations ($p = 0.953$) or between the HIV-PN and DPN groups ($p = 0.268$).							
Discussions	The systemati significant part	The systematic review highlights 8% capsaicin's potential as a non-addictive pain management option and demonstrates significant pain reduction for DPN and HIV-PN without a significant impact from patch duration.							
Format	Systematic Re	Systematic Review							
Case Rpt Followup									
Student Club									
Classification	Neurological/Peripheral Nerve Disorders								
Level of Evidence	Level II								
Authors/Financial D	isclosures								
Full Name:	Email:		Disclosure(s) selected:			Disclosed Organisation(s):			
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Submission ID	05-00811 Ref ID S							
Title	Post-traumatic arthritis following medial tarsometatarsal injuries: A systematic review and meta-analysis							
Submit Date	10/02/2024							
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Purpose	This study was to examine incid injuries by systematic review an	dence and factors of PTA, seve nd meta-analysis method.	re PTA and wo	orsening outcomes following medial TMT				
Methodology	The systematic review were per traumatic", "arthritis" were used meta-analysis results were extra	The systematic review were performed according to PRISMA guidelines. The search terms as "tarsometatarsal", "post- traumatic", "arthritis" were used for searching in PubMed and Google Scholar. 14 Eligible studies were selected. The meta-analysis results were extracted and reported by the Forest plots model.						
Procedures								
Results	687 patients were included. The incidences of PTA following medial TMT injuries was 33% and severe PTA among PTA occurrence was 20%. The occurrence rate of PTA varies from 7-96.83%. Following outcomes were the factors affecting PTA. 1) Ligamentous injury versus combined ligamentous-osseous injury was -0.10. 2) Anatomical reduction after the treatment following medial TMT injuries was -1.85 compared to non-anatomical reduction after the injury. 3) The percentage of Myerson classification \geq C was identified as a source of prevalence of PTA, with a coefficient of 0.0242 in the meta-regression method.							
Discussions	Posttraumatic arthritis of medial TMT injuries occurred one-third of cases after injury. More severity of injury (Myerson classification type C and non-anatomical reduction were the significant factors which affected PTA and severe PTA formations.							
Format	Systematic Review							
Case Rpt Followup								
Student Club								
Classification	Trauma							
Level of Evidence	Level II							
Authors/Financial D	isclosures							
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Submission ID	05-00812			Ref ID SR-812				
Title	A System	A Systematic Review of Posterior Pilon Fractures						
Submit Date	10/02/2024							
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	Author 7:			Author 8:				
Purpose	This study air (PPF) to help	ns to clarify the definition physicians achieve better	, mechanism, classific outcomes.	cation, and surg	gical approach for t	he posterior pilon fracture		
Methodology	Keywords suo MEDLINE, E Non-English, complications	Keywords such as "posterior pilon," "surgical approach," "fracture," etc., were used to find relevant literature on PubMed, MEDLINE, Embase, and Google Scholar. Retrospective and prospective cohort studies discussing PPFs were included. Non-English, anatomical or biochemical studies, and studies not discussing PPFs were excluded. General demographics, complications, and the American Orthopaedic Foot and Ankle Society (AOFAS) functional outcome scores were collected.						
Procedures								
Results	A total of 18 j involving imp are caused by included the I posteromedia	A total of 18 publications (959 patients) were selected for data collection. PPFs are defined as distal tibia fractures involving impaction of the articular surface and proximal displacement of talus and posterior malleolus fragments. PPFs are caused by high-energy rotational and axial load. Five studies contained classification systems for ankle fractures that included the PPF. The posterolateral (PL) approach was the most common (34.9%), followed by the modified posteromedial (PM) (20.7%), PM (7.9%), and combined PM and PL (6.9%). Combined AOFAS score was 84.8.						
Discussions	PPFs are brea bearing area. PL approach	PPFs are breaks that occur in the posterior half of the articular surface of the distal tibia, typically affecting the weight- bearing area. Five classification systems define the PPF based on X-rays, CT scans, or through morphological analysis. The PL approach was the most common, with malreduction being the major complication.						
Format	Systematic R	eview						
Case Rpt Followup								
Student Club								
Classification	Trauma							
Level of Evidence	Level III	Level III						
Authors/Financial	Disclosures							
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Submission ID	05-00877	Ref ID SR-877							
Title	Surgical Excision of Symptomatic Nonunions of Fifth Metatarsal Base Fractures: A Systematic Review of Outcomes and Complications								
Submit Date	10/08/2024	10/08/2024							
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Purpose	The purpose definitive treat	is to synthesize avai atment, addressing o	ilable data on surgical excisi outcomes and complications	on of proxima	l fifth metatarsal non-union fragments as a				
Methodology	A systematic review of PubMed, Embase, Cochrane Library, and Google Scholar was performed to identify studies reporting on the excision of non-union fragments at the proximal fifth metatarsal. Inclusion criteria required studies to present functional outcomes and complications following excision in Zones 1 and 2. Of 156 studies reviewed, 4 met the criteria, encompassing 18 patient cases.								
Procedures									
Results	All 18 patien function. Two study reporte to 1.6; p=0.02 reported.	All 18 patients underwent excision of the proximal fragment, with various techniques used to preserve peroneal tendon function. Twelve patients were high-level athletes, and all returned to sport without pain or functional limitations. One study reported a significant improvement in AOFAS forefoot scores (from 58.6 to 95; p=0.024) and VAS scores (from 8.0 to 1.6; p=0.023). At an average follow-up of 18.3 months, 100% of patients were pain-free, and no complications were reported.							
Discussions	Excision of s allowing for term outcome	Excision of symptomatic non-unions of the fifth metatarsal base appears to be a safe and effective treatment option, allowing for complete pain relief and return to activity in high-level athletes. Further research is needed to validate long- term outcomes and optimal surgical techniques.							
Format	Systematic R	Systematic Review							
Case Rpt Followup	12	12							
Student Club Classification	Forefoot Reconstruction								
Level of Evidence	Level III								
Authors/Financial D	oisclosures								
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Submission ID	05-00946				Ref ID SR-946				
Title	Gutter Impingement Following Total Ankle Arthroplasty: A Systematic Review of Management and Surgical Approaches								
Submit Date	10/12/2024								
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	Author 5:			Author 6:					
	Author 7:	Author 7:							
Purpose	The purpose of patients with	The purpose of this systematic review was to evaluate the reported surgical approaches and subsequent outcomes in patients with gutter impingement following total ankle arthroplasty.							
Methodology	A systematic review of studies published in PubMed/Medline, Cochrane, and Scopus databases was conducted to identify articles that evaluated studies that surgically treated gutter impingement following total ankle arthroplasty. The search terms included were "Total ankle arthroplasty impingement" OR "Total ankle replacement impingement" OR "Total Ankle Arthroplasty gutter impingement".								
Procedures									
Results	In our systematic review of gutter impingement following total ankle replacement, we analyzed data from 8 studies, including a total of 1,456 patients. Gutter impingement was observed in a total of 130 ankles ;therefore, the overall incidence of gutter impingement was noted to be 8,93%.								
Discussions	In summary, while all approaches show improvements in AOFAS scores, the limited data and high heterogeneity prevent us from definitively concluding which approach is superior. Future studies with larger sample sizes and standardized outcome measures are necessary to guide clinical decision-making and optimize patient outcomes in the management of gutter impingement following TAA.								
Format	Systematic Review								
Case Rpt Followup									
Student Club									
Classification	Rearfoot and Ankle Reconstruction								
Level of Evidence	Level III								
A 4h /F : : 1 D:									
Autnors/Financial Di	sciosures		Discharge (a) and a table						
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Submission ID	05-00964 Ref ID SR-964							
Title	The Impact of Optimal Surgical Timing and It's Clinical Outcomes in Ankle Fractures: A Systematic Review							
Submit Date	10/15/2024							
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Purpose	The purpose of this study is to the effects of early versus late it	The purpose of this study is to explore the optimal time for surgical intervention in ankle fractures and to further evaluate the effects of early versus late intervention on patient outcomes.						
Methodology	A systematic review of closed retrospectively analyzed for tin reviewed for 995 patients while to be statistically significant us	A systematic review of closed bi-malleolar and tri-malleolar ankle fractures treated with ORIF were included and retrospectively analyzed for timing of operation and complications postoperatively. Wound complication data was reviewed for 995 patients while AOFAS and VAS scores were available for 101 patients. Time to surgery was determined to be statistically significant using p values.						
Procedures								
Results	Current literature is inconclusive on the most appropriate timing for ankle fracture repair. Wound complications were much greater in the delayed (12.23%) versus the early treatment group (2.98%). The AOFAS and VAS scores were reviewed for patients with and without complications, with the complication group scoring 11.5 points lower in AOFAS and 0.5 points lower in the VAS score.							
Discussions	The compiled data shows early intervention in treating ankle fractures is preferred to minimize the risk of complications. However, several factors including swelling, comorbidities, and polytrauma may limit safe early intervention. Overall, proper alignment of the ankle fracture can be achieved regardless of time to surgery. Further research is necessary to determine the most appropriate time for surgical intervention.							
Format	Systematic Review							
Case Rpt Followup								
Student Club								
Classification	Trauma	Trauma						
Level of Evidence	Level III	Level III						
Authors/Financial Di	isclosures							
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