ACFAS ADVANCED LEARNING PATHWAY:
Pediatrics 2 – Tarsal Coalition, Congenital Vertical Talus, Flexible Flatfoot, Clubfoot

Learning Objectives of this Pathway:
- Describe the indications for resection of a tarsal coalition.
- Describe the outcomes for resected tarsal coalitions and how this informs the consent process.
- Explain appropriate treatment options for congenital vertical talus.
- Differentiate between various flexible and rigid pediatric flatfoot conditions.
- Explain appropriate treatment options for flexible pediatric flatfoot deformities including congenital calcaneovalgus and acquired pediatric flatfoot.
- Describe the principles in management of congenital talipes equinovarus (clubfoot).

Day 1: Tarsal Coalition

Clinical Sessions:
Tarsal Coalitions

Journal Articles:
- A Review of Tarsal Coalition and Pes Planovalgus: Clinical Examination, Diagnostic Imaging, and Surgical Planning
- Diagnosis and Treatment of Pediatric Flatfoot
  NOTE: covers flexible flatfoot, congenital vertical talus, tarsal coalition, iatrogenic/postraumatic, skewfoot, etc.
- Functional and Radiological Outcomes After Tarsal Coalition Resections: A Minimum of 5-Year Follow-Up
- Reoperations After Tarsal Coalition Resection: A Population-Based Study
- Subtalar Coalitions: Does the Morphology of the Subtalar Joint Involvement Influence Outcomes After Coalition Excision?
- Calcaneonavicular Coalition Resection with Pes Planovalgus Reconstruction
- Resection Arthroplasty: Treatment for Calcaneonavicular Coalition

The ACFAS learning pathways are a tool to be used by residency directors, fellowship directors and school faculty to aid with didactic learning during the COVID-19 crisis. They are not intended to replace a curriculum, but to supplement student and resident education during this time of need.

The learning pathways are divided into basic, intermediate, and advanced categories.

Pathways have been organized into specific topics that have a variety of educational materials from the ACFAS On Demand course content. They also include journal articles with links primarily from the Journal of Foot and Ankle Surgery (JFAS).
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**Outside Journals and Books:**

**Day 2: Pediatric Flatfoot**

**Surgical Techniques e-Learning:**
- [Common Foot & Ankle Procedures (online format)](onlineformat) Kidner Procedure
- [Common Foot & Ankle Procedures (online format)](onlineformat) Gastrocnemius Recession Distal
- [Rearfoot Reconstruction (online format)](onlineformat) Tendon Achilles Lengthening
- [Rearfoot Reconstruction (online format)](onlineformat) Medial Approach Double Arthrodesis
  
  NOTE: watch from time stamp 5:46 to 9:02 for medial incision dissection used in STJ middle facet coalition resections.
- [Rearfoot Reconstruction (online format)](onlineformat) Medial Calcaneal Displacement Osteotomy
- [Rearfoot Reconstruction (online format)](onlineformat) Gastrocnemius Recession (proximal)
- [Rearfoot Reconstruction (online format)](onlineformat) Talonavicular Joint Arthrodesis
  
  NOTE: watch time stamps from 8:55 to 11:03 for landmarks and soft tissue structures of medial incision approach along medial column used in some flatfoot procedures.

**Podcasts:**

[Arthroeresis: Too Much or Not Enough?](onlineformat)

**Journal Articles:**
- [Diagnosis and Treatment of Pediatric Flatfoot](onlineformat)
  
  NOTE: covers flexible flatfoot, congenital vertical talus, tarsal coalition, iatrogenic/posttraumatic, skewfoot, etc.
- [Flexible Juvenile Flatfoot Surgical Correction: A Comparison Bewteen Two Techniques After Ten Years’ Experience](onlineformat)
- [Symptomatic Juvenile Flatfoot Condition: Surgical Treatment](onlineformat)

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### Day 3: Clubfoot

**Podcasts:**

- Clubfoot

**Journal Articles:**

- *The Natural History and Longitudinal Study of the Surgically Corrected Clubfoot*

**Outside Journals and Books:**

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