Introduction

Neurona is a progressive, degenerative, enlargement of a nerve that is often associated with severe pain, numbness, cramping, and loss of function (2). Interdigital neuronas are one of the most common peripheral neuropathics of the foxt. Possible enclosejes can be tranum, pedial morphology, repetive behavenhanical stress. The trantenut for interdigital neurona includes initial conservative treatment, ranging from wider also generatives and the surgest approach is essention of the pathological nerve tosane, however threa are other modalities such to scrydinerapy, implantation of the trastected provimal nerve to bose or market that have been referenced in the Interature(2)().

to bose or muscle that have here referenced in the literature (2)(3). Sump neurones recur at its rescreted margin, a common compositionin attributed to nerve sheath disruption. Initial resection of neuronas often times fail with formation of a stump neurona and recurrence of symptoms, often times progressing to firsther modulity. According to Coopensions et al., there is 20% failure rate of surgical neurona resections, resulting in either no relief of symptoms or worsening of the condition (12). Patients with recursionant neurona data busined by the failure of conservative and surgical returnents, there is a substantial negative impact on there normal data by living. There is a paucity in the medical literature on the use and effectiveness of neurografting in the treatment of neurona moralization for an environ sections with on without burying into the bone or muscle. Consequently the authors of this paper have recognized there have to be a comprehensive literature review and analysis of the studies on use of neuron eallografts for this particular subset of patients.

Materials and Methods

Materials and Methods

The authors performed a standard systematic review to evaluate patients undergoing revisional surgery for stump neuroma formation with the use of nerve allograft. A prospective protocol regarding the study objectives, study outcome measures, inclusion criteria, exclusion criteria, search strategy and data are carefully constructed. Thereafte, electronic data bases systematically searched and are listed as follows: MEDLINE (pubmed), GOOCLE SCHOLAR, Cochane Library,

The locksion eriteria for the studies include: (1)Use of a nerve allograft/collagen graft conduit (2) Revisional peripheral nerve surgery in the lower extremity. (3) Level IV and above studies. All studies must have utilized nerve allograft for revisional procedures. Exclusion eriteria were as follows: (1) Studies and patients were excluded if there was use of an unorgraft. (2) annual study models. (3) location of neuromas elsewhere in the body other than the lower extremity, and lastly (4) studies that were not in English.

The following determinic durations over exactled: Google scholar, Melline/Pohreol), Cochrane library, elinicatinità goi di anziante di principa de l'orichte. Keyvones dei termis canche linchede array grint collagon area consulta illogati nero conduit, neurona surgery, neurona surgery sità nerve allografi, neurona surgery vità nerve grift condui, neurona pri the lower ettermity, versional neurona surgery sità nerve allografi, petrona surgery vità nerve grift condui, neurona surgery nel he sorte ettermity, versional neurona surgery sità nerve allografi, petrona surgery vità neuro di sciettoria esarch engines, the authors also hand scarched through fost and ankle related journals. Data was analyzed based on preoperative and postoperative ast le annout of improvement recorded.

Search Engine	Keywords	Results	
Google Scholar	"Neuroma repair with nerve allograft foot and ankle"		
Google Scholar	"Collagen nerve conduit"		
Medline(Pubmed)	"Neuroma repair with nerve allograft foot and ankle"		



Figure 1: End to end nerve graft

Study

Gould et al

Souza et al

C.Bibbo/Rodrigues- Colazzo et al

Table 2: Summary of Included studies for Nerve repair with graft

Year

2013

2016

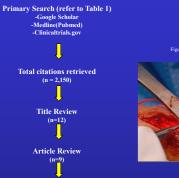
2017

Design

retrospective case series

Case study, retrospective

Case study



mean f/u time Outcome measure Type of graft

VAS

PROMIS

VAS

36 months

15.5 months

26 months

collagen

conduit

Nerve

Allograft

Nerve

Allograft

nerve graft articles included (n=3)

n(cases)

50 pts, 69 nerves

26 pts

4pts

•There were a total of 2,150 results from the aforementioned searches. Citations (titles, abstracts) were reviewed systematical the authors and 3 articles were found to meet the inclusion criteria. Table 2 summarizes the selected studies that met the inclusion criteria. The results demonstrate the use of news allograft in reachirant neurona sugery in the found and and its Although the authors minimin that there is limited literature available using nerve allograft in revisional neurona sugery. The four one and and its Although the authors minimin that there is limited literature available using nerve allograft in revisional neurona sugery relation ago, of which net memory were documented and appeared to vary between the studies. There was only one propertive study, of which net median inclusion measured the printen outcome measures, after resulting the total of a printen studies measured the printen outcome measures, after rescultant neurons sugery of the foor. The outcomes included in the models in the values are net observed for the low ere strongiest context of the foort. There was only one of herdole of the values in the result in the outcome measures and the printent outcome measures. If the resulting the results are negative to the studies measure of the printent outcome measures, after results into the foort measures into the foort measures are the printent outcome measures are the printent outcome measures. If the results into the studies in the studies are the studies of the foort. Then the studies are studies. studies included were of peripheral nerve pathologies of the lower extremity, and the final studies included in the to the foot and ankle.

Results



Discussion

Peripheral nerve pathologies are ubiquitous throughout medical literature, however the treatment of such conditions appear to be tempts and the second s

The appears to be into the meaning of use of perpindent nerve angulars in the treatment of nerve paramoges (n. samp neuronas) in the lower externity. According to Kim and Dellon, a literature search of the last 30 years does not reveal a single series of nerve repairs in the foot distal to the and/e (8). In the current study, the authors found the limited number of studies to be consistent with the hypothesis that there is little to no literature on use of nerve allograft in the lower extremity (particularly the foot or ankle) in treatment of revisional nerve

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References

- ity neuroinas 2, 100 arg 55: 320-323,2016. Review! Neuro into Muscle in the Arch of the Foot" ** J. Foot