Clinical Practice Guideline: Excision of Peripheral Nerve Neuroma for the

2 Ankle and Foot

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Date of Implementation: October 15, 2015

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Product: Specialty

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GUIDELINES

American Specialty Health – Specialty (ASH) considers services consisting of CPT Code 64774, 64776, 64778, 64782, 64783, and 64787 to be medically necessary for treatment of peripheral nerve neuroma of the ankle and foot **upon meeting ALL of the following criteria:**

- 1. Presence of intractable pain
- 2. Failure of at least 2 of the following non-operative treatments:
 - Physical therapy
 - Bracing/orthotics
 - Padding
 - Injections
- 3. When supported by **1 or more of the following diagnoses** (diagnosis code must correlate with CPT code):

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CPT Codes 64774, 64787			
Diagnosis Code	Diagnosis Code Description		
D21.9	Benign neoplasm of connective and other soft tissue, unspecified		
CPT Codes 64776, 64778, 64787			
Diagnosis Code	Diagnosis Code Description		
G57.80	Other specified mononeuropathies of unspecified lower limb		
G57.81	Other specified mononeuropathies of right lower limb		
G57.82	Other specified mononeuropathies of left lower limb		
G57.83	Other specified mononeuropathies of bilateral lower limbs		
CPT Codes 64782, 64783, 64787			
Diagnosis Code	Diagnosis Code Description		
G57.90	Unspecified mononeuropathy of unspecified lower limb		
G57.91	Unspecified mononeuropathy of right lower limb		

CPT Codes 64774, 64787		
Diagnosis Code	Diagnosis Code Description	
G57.92	Unspecified mononeuropathy of left lower limb	
G57.93	Unspecified mononeuropathy of bilateral lower limbs	

1 **Exclusions:**

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The neuroma excision codes included herein are not allowed for the treatment of Morton's neuroma. Refer to ASH clinical practice guideline Interdigital Excision and Nerve Implantation for Morton's Neuroma (CPG 214-S) for the treatment of Morton's neuroma.

CPT CODES AND DESCRIPTIONS

CPT®Code	CPT®Code Description
64774	Excision of neuroma; cutaneous nerve, surgically identifiable
64776	Excision of neuroma; digital nerve, 1 or both, same digit
64778	Excision of neuroma; digital nerve, each additional digit (List separately in addition to code for primary procedure)
64782	Excision of neuroma; hand or foot, except digital nerve
64783	Excision of neuroma; hand or foot, each additional nerve, except same digit (List separately in addition to code for primary procedure)
64787	Implantation of nerve end into bone or muscle (List separately in addition to neuroma excision)

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BACKGROUND

CPT codes 64774, 64776, 64778, 64782, and 64783 describe procedures consisting of excision of neuroma from a nerve of the ankle or foot. Procedures consisting of 64774 involve excision of the neuroma in the subcutaneous tissue. In 64776, the practitioner incises the skin over the digital nerve and excises the neuroma. CPT code 64778 is reported for each additional neuroma of a separate digit. In 64782, the practitioner excises the neuroma of a peripheral nerve (except digital nerve) of the foot. CPT code 64783 is reported for each additional neuroma of the foot. Procedures that require implantation of nerve end into bone or bone are described by CPT code 64787.

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19 20 Neuromas of the ankle and foot can occur as a result of injury to the nerve due to trauma or surgical intervention. The resulting neuroma may cause distal pain along the course of the nerve and is therefore considered a type of peripheral neuropathy.

Nonsurgical care is the first line of treatment for painful neuromas. Surgical treatment is recommended for recalcitrant neuromas which have not responded to nonsurgical care. The goal of surgical treatment is to remove the neuroma without creating a new one. Surgical treatment for painful neuromas of the cutaneous nerves of the foot and ankle consists of resection with possible translocation of the nerve stump to a nearby muscle or vein. Frequently, there are several branches of the nerve that are affected, with one in a separate fibrous tunnel which may be easily overlooked. It is important to address both branches under these circumstances.

The superficial peroneal (fibular) nerve may be injured at the ankle or at the dorsum of the foot leading to a subsequent neuroma, which may be treated by resection and relocation of the nerve into the midportion of the anterior or lateral muscle compartment or decompression by fasciotomy. Neuromas of the calcaneal nerve, commonly due to plantar fasciotomy and tarsal tunnel decompression surgical intervention, can be resected and translocated proximally into the closest muscle. Neuromas of the sural and saphenous nerves can be resected and translocated between the gastrocnemius/soleus muscle or into the leg as proximal as possible, respectively.

Currently, there is a paucity of high-quality statistical studies evaluating treatment of peripheral neuromas of the ankle and foot. However, the most accepted evidence shows support for neuroma resection and burial of the nerve stump into a tissue bed, typically muscle, which protects the stump and helps the avoid the formation of a new neuroma (Gould, 2011; Stokvis & Coert, 2011). Poppler et al. (2018) carried out a meta-analysis to examine the efficacy of the surgical treatment of painful neuromas. Overall, the data suggested that most patients with a painful neuroma, after careful selection as surgical candidates, will have a meaningful decrease in pain with excision and transposition surgical intervention (81% [95% CI: 75–86]) with the most consistent results compared to other treatment groups, albeit with a high degree of heterogeneity amongst all studies.

PRACTITIONER SCOPE AND TRAINING

Practitioners should practice only in the areas in which they are competent based on their education, training and experience. Levels of education, experience, and proficiency may vary among individual practitioners. It is ethically and legally incumbent on a practitioner to determine where they have the knowledge and skills necessary to perform such services and whether the services are within their scope of practice.

It is best practice for the practitioner to appropriately render services to a member only if they are trained, equally skilled, and adequately competent to deliver a service compared to others trained to perform the same procedure. If the service would be most competently delivered by another health care practitioner who has more skill and training, it would be best practice to refer the member to the more expert practitioner.

Best practice can be defined as a clinical, scientific, or professional technique, method, or process that is typically evidence-based and consensus driven and is recognized by a majority of professionals in a particular field as more effective at delivering a particular outcome than any other practice (Joint Commission International Accreditation Standards for Hospitals, 2020).

Depending on the practitioner's scope of practice, training, and experience, a member's condition and/or symptoms during examination or the course of treatment may indicate the need for referral to another practitioner or even emergency care. In such cases it is prudent for the practitioner to refer the member for appropriate co-management (e.g., to their primary care physician) or if immediate emergency care is warranted, to contact 911 as appropriate. See the *Managing Medical Emergencies (CPG 159 - S)* clinical practice guideline for information.

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