

Clinical Practice Guideline: Heel Cord Lengthening or Shortening

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Product: Specialty

GUIDELINES

American Specialty Health – Specialty (ASH) considers services consisting of CPT Codes 27606, 27685, and 27686 to be medically necessary for heel cord lengthening or shortening **upon meeting 1 or more of the following criteria:**

1. Clubfoot (acquired clubfoot, ICD-10 codes M21.541 - M21.549) or other deformity (e.g., midfoot collapse (Congenital vertical talus deformity (ICD-10 Q66.80 - Q66.82)), lowering of arch (Congenital pes planus (ICD-10 Q66.50 – Q66.52))) that has failed to respond to nonoperative treatment, including **2 or more of the following:**
 - Serial casting
 - Bracing
 - Orthotics
 - Night splints
 - Physical therapy, including stretching program
2. Recurrent clubfoot after conservative treatment
3. Clubfoot or other deformity too severe or longstanding to use conservative treatment
4. Diabetic foot ulcers in patient with limited ankle dorsiflexion
5. Equinus deformity (Varus deformity, not elsewhere classified and congenital talipes equinovarus (M21.171 – M21.179, Q66.00-Q66.02))

CPT Codes and Descriptions

CPT Code	CPT Code Description
27606	Tenotomy, percutaneous, Achilles tendon (separate procedure); general anesthesia
27685	Lengthening or shortening of tendon, leg or ankle; single tendon (separate procedure)
27686	Lengthening or shortening of tendon, leg or ankle; multiple tendons (through same incision), each

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1 BACKGROUND

2 Contracture of the gastrocnemius-soleus complex, often referred to as an equinus
3 contracture, is a common clinical finding. Contracture of the gastrocnemius-soleus can be
4 defined as less than 10 degrees of passive ankle dorsiflexion with the knee flexed and
5 extended. Severe deformities are obvious and debilitating, such as clubfoot deformity and
6 contracture following an untreated compartment syndrome of the leg. Other common
7 contractures are seen in adults with neurologic impairment or following ankle trauma.
8 Neuromuscular problems can lead to equinus contracture in children, especially in cerebral
9 palsy. Percutaneous Achilles tenotomy and lengthening/shortening of the ankle tendon to
10 treat conditions associated with limited ankle dorsiflexion are addressed within the context
11 of this clinical practice guideline.

12
13 A course of conservative treatment as the first line of care for equinus deformity. If
14 conservative measures fail to adequately reduce pain and improve function, then more
15 invasive measures may be considered as treatment options.

16
17 Congenital talipes equinovarus, which is also known as clubfoot, is a common congenital
18 orthopedic condition characterized by an excessively turned in foot (equinovarus) and high
19 medial longitudinal arch (cavus). If left untreated it can result in long-term disability,
20 deformity, and pain. Interventions can be conservative, such as splinting or stretching, or
21 surgical. The Ponseti technique is currently the most widely implemented treatment with
22 good long-term outcomes. This technique involves six to eight weeks of long leg plaster
23 casts (toe to groin) with gentle manipulation around the talar head of the ankle joint. The
24 long leg plaster casts are changed once a week. Most patients require an Achilles tenotomy
25 to correct remaining equinus deformity (Bina et al., 2020).

26
27 Jaddue et al. (2010) carried out a study to compare open to percutaneous tendo-achilles
28 lengthening (TAL) as treatment for equinus deformity in children with cerebral palsy (CP).
29 Eighteen ambulatory spastic children (28 feet) with isolated primary fixed equinus
30 deformity were randomized to these two methods and prospectively followed up 7 to 18
31 months postoperatively (mean 11 months). The study found that the percutaneous TAL
32 gave shorter operative time, shorter hospitalization period, better active dorsal and
33 plantarflexion abilities, better parent satisfaction, and lower complication rates. It was
34 concluded that percutaneous TAL seemed to be superior to the open TAL regarding the
35 studied parameters.

36 PRACTITIONER SCOPE AND TRAINING

37
38 Practitioners should practice only in the areas in which they are competent based on their
39 education, training, and experience. Levels of education, experience, and proficiency may
40 vary among individual practitioners. It is ethically and legally incumbent on a practitioner
41 to determine where they have the knowledge and skills necessary to perform such services
42 and whether the services are within their scope of practice.

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

6
 7 Best practice can be defined as a clinical, scientific, or professional technique, method, or
 8 process that is typically evidence-based and consensus driven and is recognized by a
 9 majority of professionals in a particular field as more effective at delivering a particular
 10 outcome than any other practice (Joint Commission International Accreditation Standards
 11 for Hospitals, 2020).

12
 13 Depending on the practitioner's scope of practice, training, and experience, a member's
 14 condition and/or symptoms during examination or the course of treatment may indicate the
 15 need for referral to another practitioner or even emergency care. In such cases it is prudent
 16 for the practitioner to refer the member for appropriate co-management (e.g., to their
 17 primary care physician) or if immediate emergency care is warranted, to contact 911 as
 18 appropriate. See the *Managing Medical Emergencies (CPG 159 – S)* policy for
 19 information.

20 21 **References**

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