

FOOT CARE**Effective Date:** March 1, 2025**Review Dates:** 1/93, 12/94, 10/97, 12/99, 12/01, 6/02, 3/03, 3/04, 3/05, 2/06, 2/07, 8/07, 2/08, 2/09, 2/10, 2/11, 2/12, 2/13, 2/14, 2/15, 2/16, 2/17, 8/17, 2/18, 2/19, 2/20, 2/21, 5/21, 5/22, 5/23, 5/24, 2/25**Date of Origin:** June 30, 1988**Status:** CurrentRelated policies: *Extracorporeal Shock Wave Therapy (ESWT)* # 91527**Summary of Changes**

- Clarifications:
 - I.A.3.c.iii – Deleted hyaluronic acid as an example of conservative therapy.
 - I.A.8.c – Deferred to Pharmacy documents for coverage and prior authorization rules for anti-fungal agents.
 - I.B.2 – Added cross reference to related medical policy: *Extracorporeal Shock Wave Therapy (ESWT)* # 91527.

I. POLICY/CRITERIA**A. Coverage is provided for the following:**

1. Medically necessary arthroplasties to repair such joints as the metatarsocarpophalangeal joint, interphalangeal joint, tarsocarpometatarsalcarpal joint. Implant devices used in conjunction with these procedures must be an FDA approved device for use in humans.
2. Bunionectomy may be medically necessary when the following are met:
 - a. Confirmed diagnosis of hallux valgus (bunion) associated with one of the following:
 - i. Difficulty walking due to the presence of the deformity.
 - ii. Significant and persistent pain at first metatarsophalangeal joint.
 - iii. Ulceration at the first metatarsophalangeal joint caused by the bunion.
 - iv. The angle between the first and second metatarsals (intermetatarsal-IM) angle is >12 degrees
 - v. The angle between the first metatarsal and the bunion (hallus valgus) angle is >15 degrees with no degenerative changes at the meta-tarso-phalangeal (MTP) joint.
 - b. Signs/Symptoms are unresponsive to at least 6 months of conservative treatment including ALL of the following:
 - i. Padding the area
 - ii. Oral analgesics and anti-inflammatory medications
 - iii. Shoe modifications

- c. A simple (Silver procedure), modified (Keller, McBride or Mayo) or radical (Joplin) bunionectomy. Procedures with several components such as a bunionectomy with a sesamoidectomy are covered under one procedure code, in this case as a bunionectomy.
- 3. Cheilectomy may be medically necessary when the following are met:
 - a. Painful bony spurs in the earlier stages of an arthritic joint (defined by Coughlin and Shurnas classification below):
 - i. Mild: maintained joint space, minimal changes; Or
 - ii. Grade 1: Dorsiflexion 30-40°, Dorsal osteophytes, Minimal/no other joint changes; OR
 - iii. Grade 2: Dorsiflexion 10-30°; Mild-to-moderate joint narrowing or sclerosis; osteophytes; OR
 - b. Painful hallux rigidus; AND
 - c. Signs/Symptoms are unresponsive to at least 6 months of conservative treatment including ALL of the following:
 - i. Shoe modifications and custom orthotics
 - ii. Oral analgesics and anti-inflammatory medications
 - iii. Injections to effected area with corticosteroids
- 4. Debridement with whirlpool treatment is covered as one procedure under debridement.
- 5. Excision of a benign, deep, subfascial or intramuscular neuroma are medically necessary.
- 6. Fracture care:
 - a. Cast application, subsequent removal and reapplication, if required, and cast removal are covered as one medical service. In instances where the cast was applied in one geographical location and the removal done in another, coverage may be provided separately.
 - b. Windowing of a cast is considered a continuation of the original treatment and not separately billable.
 - c. Routine office visits related to the initial fracture care are a part of the initial procedure and not covered separately.
 - d. Follow-up fracture care related to the reduction of a fracture provided within 72 hours of the initial procedure are not separately billable.
- 7. Injections and aspirations of joints are covered procedures with the following limitations:
 - a. Only one injection per joint is covered on the same day.
 - b. Therapeutic injections of the same joint are limited to a maximum of three injections in a 6-month period.
- 8. Mycotic nails (e.g., onychomycosis):
 - a. Treatment is covered only for members with diabetes, vascular insufficiency, multiple fungal infection sites (multiple nails) or an immunocompromised condition.

- b. Coverage is provided when ambulation is limited due to the condition, pain is present, or a secondary infection is present from the thickening and dystrophy of the infected toenail plate.
 - c. For Pharmacy coverage and prior authorization of anti-fungal agents, please refer to [plan documents](#).
 - d. Nail debridement of mycotic toenails is covered for the following indications only:
 - i. Sensory loss or circulatory compromise of the lower extremities, **or**
 - ii. In the absence of systemic disease, for the following:
 - A. In an ambulatory patient there is documentation that includes clinical evidence of mycosis of the toenail, **and** there is marked limitation of ambulation due to pain **or** a secondary infection is present
 - B. In a non-ambulatory patient there is documentation of clinical evidence of the mycosis **and** there is pain **or** a secondary infection is present.
 - d. Laser treatment of onychomycosis is experimental and investigational and not covered.
9. Podiatric office surgery is covered. Ancillary services such as treatment room, recovery room, pre-operative services, services of nurses (e.g., scrub) are part of the normal office procedure. An assistant surgeon is covered for complex procedures only.
10. Radiology services such as x-rays, including interpretation, are covered when disease or injury is present or suspected. Pre- and post-operative films are covered when invasive procedures are performed and services are provided in Plan.
11. Sesamoidectomy by itself when not performed in conjunction with other foot surgeries.
12. Subungual osteoectomy of a toe for removal of the toenail or matrix of the nail.
13. Surgical or chemical removal (partial or total) of the toenail when infected and distorted. Applicable diagnoses are onychocryptosis (ingrown toenail), onychomycosis (mycotic nail), onychogryphosis (deformed nail) and onychiauxis (club nail).
- a. Local anesthesia, removal of medial and lateral (tibial and fibular) borders and pre and postoperative care are considered an integral part of the surgery and not separately billable.
14. Surgical intervention for hammer toe may be medically necessary when the following are met:
- a. Confirmed diagnosis of hammertoe deformity associated with one of the following:
 - i. Difficulty walking due to the presence of the deformity.

- ii. Significant and persistent pain.
- iii. Ulceration at the area of pressure.

And when EITHER of the following criterion is met

- b. Signs/Symptoms are unresponsive to the use of appropriate footwear and at least 6 months of conservative treatment including all of the following:
 - i. Padding the area
 - ii. Oral analgesics or anti-inflammatory medications
 - iii. Splinting
 - iv. Orthotics
 - v. Debridement

OR:

- c. Ulceration at an area of pressure that has not responded to at least 4 weeks of local wound care; and
- d. Member's health status must not contraindicate surgical procedure.

15. Tenotomy:

- a. When symptomatic or unable to passively correct claw toes:
 - i. Tenotomy of the extensor tendon (foot or toe) is covered under the bunionectomy, metatarsophalangeal joint, or metatarsal procedures.
 - ii. Tenotomy of the flexor tendon is covered if a separate incision is made.
 - iii. Tendon lengthening procedures performed on two adjacent tendons are covered as one procedure.
 - iv. Tenotomy for hammer toe will be considered as one surgery whether one or multiple incisions.
- b. Tenotomy for asymptomatic or passively correctable claw toes is not medically necessary.

16. Treatment of warts, including plantar warts.

17. Bilateral non-invasive vascular studies, when unilateral surgery is being planned, are not a covered benefit.

18. Non-invasive, preoperative vascular studies (venous and arterial) to evaluate the following conditions:

- a. Arteriosclerosis obliterans
- b. Buerger's disease
- c. Diabetes mellitus
- d. Gangrene
- e. Intermittent claudication or ischemic type pain
- f. Non-traumatic amputation of the foot or any part thereof
- g. Non-invasive, preoperative vascular studies (venous and arterial) for symptoms such as non-palpable pulses, abnormal skin color; abnormal skin temperature, pigmentation changes, abnormal skin texture, nail changes or

decreased hair growth in the extremity may be covered if determined to be medically indicated.

- h. Peripheral vascular disease

B. The following are excluded services:

1. Acupuncture (may be covered with a rider for some commercial plans)
2. Extracorporeal shock wave treatment for plantar fasciitis. See *Extracorporeal Shock Wave Therapy (ESWT)* medical policy # 91527
3. Nerve blocks for the purpose of increasing blood supply to the foot and toes.
4. Prolotherapy, joint sclerotherapy and ligamentous injection with sclerosing agents.
5. Routine foot care is not a covered benefit. Routine foot care includes:
 - a. Treatment of corns (clavus) and calluses (tyloma), plantar keratosis, hyperkeratosis and keratotic lesions, bunions (except capsular or bone surgery) and nails (except surgery for ingrown nails)
 - b. Nail trimming, and other hygienic or maintenance care; cleaning, soaking and skin cream application for ambulatory and bed-confined patients.
 - c. Exceptions to cover routine foot care may be made for systemic conditions that result in sensory loss or circulatory compromise in the legs and feet (e.g., diabetes, arteriosclerosis obliterans, and chronic thrombophlebitis, spinal cord injury with paraplegia or quadriplegia). The systemic disease must be of sufficient severity that the non-professional performance of the service would be hazardous.
6. Subtalar arthroereisis (subtalar implant) is considered experimental, investigational and unproven for all conditions including, but not limited to, flatfoot (pes planus), posterior tibial tendon dysfunction, and talipes valgus deformity.
7. Treatment of subluxation of the foot (partial dislocation or displacement of joint surfaces, tendons, ligaments, or muscles of the foot) performed for the sole purpose of correcting a subluxated structure in the foot as an isolated entity. This exclusion does not apply to medical or surgical treatment of subluxation of the ankle joint (talo-crural joint). In addition, treatment for an acute dislocation of the foot is covered.

II. MEDICAL NECESSITY REVIEW

Prior authorization for certain drug, services, and procedures may or may not be required. In cases where prior authorization is required, providers will submit a request demonstrating that a drug, service, or procedure is medically necessary. For more information, please refer to the [Priority Health Provider Manual](#).

III. APPLICATION TO PRODUCTS

Coverage is subject to member's specific benefits. Group specific policy will supersede this policy when applicable.

- ❖ **HMO/EPO:** *This policy applies to insured HMO/EPO plans.*
- ❖ **POS:** *This policy applies to insured POS plans.*
- ❖ **PPO:** *This policy applies to insured PPO plans. Consult individual plan documents as state mandated benefits may apply. If there is a conflict between this policy and a plan document, the provisions of the plan document will govern.*
- ❖ **ASO:** *For self-funded plans, consult individual plan documents. If there is a conflict between this policy and a self-funded plan document, the provisions of the plan document will govern.*
- ❖ **INDIVIDUAL:** *For individual policies, consult the individual insurance policy. If there is a conflict between this medical policy and the individual insurance policy document, the provisions of the individual insurance policy will govern.*
- ❖ **MEDICARE:** *Coverage is determined by the Centers for Medicare and Medicaid Services (CMS) and/or the Evidence of Coverage (EOC); if a coverage determination has not been adopted by CMS, this policy applies.*
- ❖ **MEDICAID/HEALTHY MICHIGAN PLAN:** *For Medicaid/Healthy Michigan Plan members, this policy will apply. Coverage is based on medical necessity criteria being met and the appropriate code(s) from the coding section of this policy being included on the Michigan Medicaid Fee Schedule located at: http://www.michigan.gov/mdch/0,1607,7-132-2945_42542_42543_42546_42551-159815--,00.html. If there is a discrepancy between this policy and the Michigan Medicaid Provider Manual located at: http://www.michigan.gov/mdch/0,1607,7-132-2945_5100-87572--,00.html, the Michigan Medicaid Provider Manual will govern. For Medical Supplies/DME/Prosthetics and Orthotics, please refer to the Michigan Medicaid Fee Schedule to verify coverage.*

IV. DESCRIPTION

Hallux rigidus is a degenerative arthritic condition affecting the first metatarsophalangeal joint. Injection therapy, including corticosteroids and hyaluronic acid, demonstrates varied outcomes, with about 50% of patients undergoing surgery within 1 to 2 years (Acker, 2024). Intra-articular injection of hyaluronic acid (HA) has been proposed as an alternative treatment modality to decrease pain and improvement in function. A randomized prospective trial (Pons et al, 2007) comparing intra-articular injections of steroids and hyaluronic acid in 37 patients with hallux rigidus demonstrated a decrease in pain and an improvement in function in both groups of participants 3 months following the injection were shown. However, the study did not mention the grade or severity of the hallux rigidus in these patients and a high percentage of patients in both groups ended up requiring surgery after 1 year because of persistent pain and impaired function. In an updated Cochrane review of non-surgical interventions for treating osteoarthritis of the big toe joint, Munteanu et al (2024) concluded that compared with a placebo injection, a single injection of hyaluronic acid likely does not provide any important benefits for pain or function; quality of life may

be the same and the risk of unwanted effects may be lower. Butler et al (2024) conducted a systematic review to evaluate outcomes following intra-articular injection of HA for the treatment of hallux rigidus. The systematic review suggested that intra-articular injection of HA for the treatment of hallux rigidus may lead to improved clinical outcomes with a low complication rate at short-term follow-up. However, based on the low level and quality of evidence, further high-quality studies should be conducted to identify the precise role of HA in the treatment of hallux rigidus.

Prolotherapy also referred to as proliferative therapy or sclerotherapy is a treatment option for damaged connective tissues involving the injection of a solution (e.g., dextrose, lidocaine) which theoretically causes an initial cell injury and then proliferates wound healing via modulation of the inflammatory process (Chung, 2020). Prolotherapy is intended to increase joint stability through the proliferation of fibrous tissue caused by the body's natural inflammatory response to the injected drug. The goal of prolotherapy is to promote joint and ligamentous stability and thereby reduce pain associated with abnormal joint motion. No clear patient selection criteria have been identified because the efficacy of prolotherapy for the treatment of joint or ligament instability has not been established. There is a lack of scientific data demonstrating the effectiveness of prolotherapy for the treatment of joint and ligament instability. Additional studies with larger control and experimental groups must be conducted to evaluate the efficacy of prolotherapy for joint or ligament instability. A meta-analysis (Chung, 2020) of ten trials involving 358 participants concluded there was insufficient evidence to support the clinical benefits of dextrose prolotherapy in managing dense fibrous tissue injuries. The meta-analysis showed dextrose prolotherapy was effective in improving activity only at immediate follow-up (i.e., 0-1 month) (standardized mean difference [SMD]: 0.98; 95% confidence interval [CI]: 0.40-1.50; I = 0%); and superior to corticosteroid injections only in pain reduction at short-term follow-up (i.e., 1-3 month) (SMD: 0.70; 95% CI: 0.14-1.27; I = 51%). More high-quality randomized controlled trials are warranted to establish the benefits of dextrose prolotherapy (Chung, 2020).

Subtalar arthroereisis (SA) involves limitation of subtalar joint pronation by placement of an implant or stent into the sinus tarsi. The purpose of the stent is to prevent abnormal rotation of the tarsus by producing a supinatory effect on the tarsus. It rotates the talus dorsally and externally, inverts the calcaneus and cuboid, and inverts and dorsiflexes the navicular relative to the cuboid during closed kinetic chain loading. It shifts loads from the medial to lateral column and decreases the movement about the talonavicular joint compared with a flattened foot without the implant. Correction is achieved by stimulation of proprioceptive foot receptors, allowing active inversion of the foot and normal subtalar joint motion while blocking excessive pronation (Jerosch et al., 2009; Metcalfe et al., 2011; Bernasconi et al., 2017). The procedure is typically performed in conjunction with soft-tissue procedures such as spring ligament plication, posterior tibial tendon tensioning repair, and percutaneous Achilles tendon lengthening. SA may be efficacious for treating the broad indication of adult acquired flatfoot deformity (AAFD) based on several outcome measures used to evaluate clinical

efficacy. SA has been evaluated through prospective study (Ozan et al., 2015), retrospective cohort study comparing the use of SA as an adjunct to soft tissue surgical procedures in adults with symptomatic, refractory stage II AAFD (Walley et al., 2019), and single-group, retrospective studies that evaluated outcomes of SA in conjunction with a variety of soft tissue or orthopedic procedures typically used to treat adults with symptomatic, refractory FF deformity (Viladot et al., 2003; Needleman, 2006; Adelman et al., 2008; Zhu and Xu, 2015; Viladot Voegeli et al., 2018). The differences in specific indications, surgical approach, implant devices, and concomitant procedures limit the conclusions that can be drawn. No clinical guideline was identified on the use of SA for treatment of FF in adults. American College of Foot and Ankle Surgeons Clinical Consensus Statement: Appropriate Clinical Management of Adult-Acquired Flatfoot Deformity did not state whether or not SA should be considered as a single corrective procedure for stage IIB AAFD (Piraino, 2020).

V. CODING INFORMATION

ROUTINE FOOT/NAIL CARE

CPT/HCPCS Codes

- 11055 Paring or cutting of benign hyperkeratotic lesion (corn or callus); single lesion
- 11056 Paring or cutting of benign hyperkeratotic lesion (corn or callus); two to four lesions
- 11057 Paring or cutting of benign hyperkeratotic lesion (corn or callus); more than four lesions

- 11719 Trimming of nondystrophic nails, any number
- G0127 Trimming of dystrophic nails, any number
- 11720 Debridement of nail(s) by any method(s); one to five
- 11721 Debridement of nail(s) by any method(s); six or more

ICD-10 Codes that support medical necessity of the codes above:

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| A30.0 – A30.9 | Leprosy |
| A48.0 | Gas gangrene |
| A52.10- A52.3 | Neurosyphilis |
| A69.20 – A69.29 | Lyme disease |
| A80.0 – A80.39 | Paralytic poliomyelitis |
| A92.30 – A92.39 | West Nile virus |
| B02.23 | Postherpetic polyneuropathy |
| B20 | Human immunodeficiency virus [HIV] disease |
| B35.1 | Tinea unguium |
| B47.9 | Mycetoma, unspecified |
| D47.4 | Osteomyelofibrosis |
| D51.0 | Vitamin B12 deficiency anemia due to intrinsic factor deficiency |
| D75.89 | Other specified diseases of blood and blood-forming organs |

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| D77 | Other disorders of blood and blood-forming organs in diseases classified elsewhere |
| D89.2 | Hypergammaglobulinemia, unspecified |
| E08.00 – E13.9 | Diabetes mellitus |
| E52 | Niacin deficiency [pellagra] |
| E75.21 – E75.249 | Other sphingolipidosis |
| E75.3 | Sphingolipidosis, unspecified |
| E75.6 | Lipid storage disorder, unspecified |
| E77.0 – E77.9 | Disorder of glycoprotein metabolism |
| E85.0 – E85.9 | Amyloidosis |
| G04.1 | Tropical spastic paraplegia |
| G04.90 – G04.91 | Encephalitis and encephalomyelitis, unspecified |
| G10 | Huntington's disease |
| G11.0 – G11.2 | Ataxia |
| G11.4 | Hereditary spastic paraplegia |
| G11.9 | Hereditary ataxia, unspecified |
| G12.21 | Amyotrophic lateral sclerosis |
| G12.9 | Spinal muscular atrophy, unspecified |
| G13.0 | Paraneoplastic neuromyopathy and neuropathy |
| G13.1 | Other systemic atrophy primarily affecting central nervous system in neoplastic disease |
| G13.2 | Systemic atrophy primarily affecting the central nervous system in myxedema |
| G20 | Parkinson's disease |
| G21.4 | Vascular parkinsonism |
| G25.3 | Myoclonus |
| G30.0 – G30.9 | Alzheimer's disease |
| G32.0 | Subacute combined degeneration of spinal cord in diseases classified elsewhere |
| G35 | Multiple sclerosis |
| G36.1 | Acute and subacute hemorrhagic leukoencephalitis [Hurst] |
| G36.8 | Other specified acute disseminated demyelination |
| G37.1 | Central demyelination of corpus callosum |
| G37.2 | Central pontine myelinolysis |
| G37.4 | Subacute necrotizing myelitis of central nervous system |
| G37.8 | Other specified demyelinating diseases of central nervous system |
| G54.4 | Lumbosacral root disorders, not elsewhere classified |
| G54.8 | Other nerve root and plexus disorders |
| G55 | Nerve root and plexus compressions in diseases classified elsewhere |
| G57.00 - G57.52 | Mononeuropathies of lower limb |
| G57.90 – G57.92 | Unspecified mononeuropathy of lower limb |
| G60.0 – G60.9 | Hereditary and idiopathic neuropathy |
| G61.0 – G61.9 | Inflammatory polyneuropathies |
| G62.0 – G62.9 | Other and unspecified polyneuropathy |
| G63 | Polyneuropathy in diseases classified elsewhere |
| G64 | Other disorders of peripheral nervous system |
| G65.0 – G65.2 | Sequelae of inflammatory and toxic polyneuropathy |

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| G70.1 | Toxic myoneural disorders |
| G73.3 | Myasthenic syndromes in other diseases classified elsewhere |
| G80.0 – G80.9 | Cerebral palsy |
| G81.00 – G81.94 | Hemiplegia and hemiparesis |
| G82.20 – G82.54 | Paraplegia and quadriplegia |
| G83.10 – G83.14 | Monoplegia of lower limb |
| G83.30 – G83.34 | Monoplegia unspecified |
| G83.4 | Cauda equina syndrome |
| G83.5 | Locked-in state |
| G83.81 – G83.9 | Other specified paralytic syndromes |
| G95.0 | Syringomyelia and syringobulbia |
| G95.11 – G95.19 | Vascular myelopathies |
| G95.20 – G95.29 | Other cord compression |
| G95.9 | Disease of spinal cord, unspecified |
| G99.0 | Autonomic neuropathy in diseases classified elsewhere |
| I67.89 | Other cerebrovascular disease |
| I69.041 – I69.069 | Sequelae of nontraumatic subarachnoid hemorrhage |
| I69.141 – I69.169 | Sequelae of nontraumatic intracerebral hemorrhage |
| I69.241 – I69.269 | Sequelae of other nontraumatic intracranial hemorrhage |
| I69.341 – I69.369 | Sequelae of cerebral infarction |
| I69.841 – I69.869 | Sequelae of other cerebrovascular diseases |
| I69.941 – I69.969 | Sequelae of unspecified cerebrovascular diseases |
| I70.0 - I70.92 | Atherosclerosis |
| I72.4 | Aneurysm of artery of lower extremity |
| I73.00 – I73.9 | Other peripheral vascular diseases |
| I74.3 - I74.9 | Arterial embolism and thrombosis |
| I77.3 | Arterial fibromuscular dysplasia |
| I77.89 | Other specified disorders of arteries and arterioles |
| I77.9 | Disorder of arteries and arterioles, unspecified |
| I79.1 | Aortitis in diseases classified elsewhere |
| I79.8 | Other disorders of arteries, arterioles and capillaries in diseases classified elsewhere |
| I80.01-I80.03 | Phlebitis and thrombophlebitis of superficial vessels lower extremity |
| I80.11 - I80.13 | Phlebitis and thrombophlebitis of femoral vein |
| I80.201 - I80.203 | Phlebitis and thrombophlebitis of unspecified deep vessels of lower extremity |
| I80.211 - I80.9 | Phlebitis and thrombophlebitis other vessels |
| I82.91 | Chronic embolism and thrombosis of unspecified vein |
| I83.011 - I83.018 | Varicose veins of right lower extremity with ulcer |
| I83.021 - I83.028 | Varicose veins of left lower extremity with ulcer |
| I83.11 - I83.12 | Varicose veins of lower extremity with inflammation |
| I83.211 - I83.218 | Varicose veins of right lower extremity with both ulcer and inflammation |
| I83.221 - I83.228 | Varicose veins of left lower extremity with both ulcer and inflammation |
| I83.811 - I83.813 | Varicose veins of lower extremities with pain |
| I83.891 - I83.893 | Varicose veins of lower extremities with other complications |
| I87.001 – I87.099 | Post thrombotic syndrome |

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| I87.2 | Venous insufficiency (chronic) (peripheral) |
| I87.8 | Other specified disorders of veins |
| I87.9 | Disorder of vein, unspecified |
| I89.0 | Lymphedema, not elsewhere classified |
| I96 | Gangrene, not elsewhere classified |
| I99.8 | Other disorder of circulatory system |
| I99.9 | Unspecified disorder of circulatory system |
| K90.0 | Celiac disease |
| K90.1 | Tropical sprue |
| L02.611 – L02.619 | Cutaneous abscess of foot |
| L03.031-L03.039 | Cellulitis of toe |
| L03.041 - L03.049 | Acute lymphangitis of toe |
| L60.0 – L60.9 | Nail disorders |
| L62 | Nail disorders in diseases classified elsewhere |
| L72.0 | Epidermal cyst |
| L72.2 – L72.9 | Follicular cysts of skin and subcutaneous tissue |
| L89.510 - L89.529 | Pressure ulcer of ankle |
| L89.610 - L89.629 | Pressure ulcer of heel |
| L97.411 - L97.529 | Non-pressure chronic ulcer of foot |
| L98.491 --L98.499 | Non-pressure chronic ulcer of skin of other sites |
| M05.551 - M05.559 | Rheumatoid polyneuropathy with rheumatoid arthritis |
| M30.0 | Polyarteritis nodosa |
| M30.2 | Juvenile polyarteritis |
| M30.8 | Other conditions related to polyarteritis nodosa |
| M31.4 | Aortic arch syndrome [Takayasu] |
| M31.7 | Microscopic polyangiitis |
| M34.83 | Systemic sclerosis with polyneuropathy |
| M79.671 – M79.676 | Pain in foot & toes |
| N18.5 | Chronic kidney disease, stage 5 |
| N18.6 | End stage renal disease |
| Q84.3 | Anonychia |
| Q84.4 | Congenital leukonychia |
| Q84.5 | Enlarged and hypertrophic nails |
| Q84.6 | Other congenital malformations of nails |
| R20.0 – R20.9 | Disturbances of skin sensation |
| R89.9 | Unspecified abnormal finding in specimens from other organs, systems and tissues |
| S74.00XA - S74.92XS | Injury of nerves at hip and thigh level |
| S84.00XA - S84.92XS | Injury of nerves at lower leg level |
| S86.001A - S86.009S | Injury of muscle, fascia and tendon at lower leg level |
| S86.091A - S86.109S | Other injury of muscle, fascia and tendon lower leg |
| S86.191A - S86.209S | Other injury of other muscle(s) and tendon(s) |
| S86.391A - S86.399S | Other injury of muscle(s) and tendon(s) of peroneal muscle group |
| S86.801A - S86.809S | Unspecified injury of other muscle(s) and tendon(s) at lower leg |
| S86.891A - S86.899S | Other injury of other muscle(s) and tendon(s) lower leg |
| S86.991A - S86.999S | Other injury of unspecified muscle and tendon lower leg |
| S90.111A - S90.229S | Contusion of toes |

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| S90.411A - S90.476S | Other injuries to toes |
| S90.811A - S90.879S | Other injuries to foot |
| S90.921A - S90.936S | Unspecified superficial injury of foot |
| S91.101A – S91.259S | Open wound of toes |
| S94.00XA - S94.92XS | Injury of nerves at ankle and foot level |
| S96.001A - S96.009S | Injury of muscle and tendon at ankle and foot level |
| S96.091A – S96.209S | Other injury of muscle and tendon ankle and foot level |
| S97.101A – S97.129S | Crushing injury of toe(s) and foot |
| S99.821A – S99.929S | Other specified injuries of foot |
| T25.121A – T25.199S | Burn of first degree of foot |
| T25.221A – T25.299S | Burn of second degree of foot and ankle |
| T25.331A – T25.339S | Burn of third degree of foot |
| T25.521A – T25.539S | Corrosion of first degree of foot |
| T25.621A – T25.699S | Corrosion of second degree foot |
| T25.721A – T25.799S | Corrosion of third degree foot |
| T33.521A – T33.539S | Superficial frostbite of hand |
| T33.821A – T33.839S | Superficial frostbite of foot |
| T34.521A – T34.539S | Frostbite with tissue necrosis of hand |
| T34.811A – T34.839S | Frostbite with tissue necrosis of foot |
| T49.0X1A – T49.0X4S | Poisoning by local antifungal, anti-infective and anti-inflammatory drugs |
| T49.2X1A – T49.2X4S | Poisoning by local astringents and local detergents, accidental (unintentional), initial encounter |
| T49.3X1A – T49.3X4S | Poisoning by emollients, demulcents and protectants |
| Z79.01 | Long term (current) use of anticoagulants |
| Z79.899 | Other long term (current) drug therapy |
| Z86.2 | Personal history of diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism |
| Z86.718 | Personal history of other venous thrombosis and embolism |
| Z86.72 | Personal history of thrombophlebitis |
| Z86.79 | Personal history of other diseases of the circulatory system |
| Z89.411-Z89.9 | Acquired absence of lower limb |

OTHER FOOT PROCEDURES

ICD-10 Codes that may support medical necessity of the procedures below:

| | |
|---------------------|---|
| B07.0 | Plantar wart |
| B07.8 | Other viral warts |
| M20.10 – M20.62 | Acquired deformities of fingers and toes |
| M65.171 – M65.172 | Infective (teno) synovitis, ankle and foot |
| M65.80 | Other synovitis and tenosynovitis, unspecified site |
| M65.871 – M65.879 | Other synovitis and tenosynovitis, ankle and foot |
| M65.9 | Synovitis and tenosynovitis, unspecified |
| M67.379 | Transient synovitis, unspecified ankle and foot |
| M80.00XA – M80.00XS | Age-related osteoporosis with current pathological fracture, unspecified site |
| M84.30XA – M84.30XS | Stress fracture, unspecified site |
| M84.374A – M84.379S | Stress fracture, foot or toes |
| M84.38XA – M84.38XS | Stress fracture, other site, |

| | |
|---------------------|---|
| M84.40XA– M84.40XS | Pathological fracture, unspecified site |
| M84.48XA – M84.48XS | Pathological fracture, other site |
| M84.50XA – M84.50XS | Pathological fracture in neoplastic disease, unspecified site, subsequent encounter for fracture with routine healing |
| M84.60XA – M84.60XS | Pathological fracture in other disease, unspecified site, |
| M84.68XA – M84.68XS | Pathological fracture in other disease, other site |
| Q66.89 | Other specified congenital deformities of feet |
| Q74.2 | Other congenital malformations of lower limb(s), including pelvic girdle |
| S92.001A – S92.919S | Fracture of foot or toes, except ankle |

CPT/HCPCS Codes

| | |
|-------|---|
| 11730 | Avulsion of nail plate, partial or complete, simple; single |
| 11732 | Avulsion of nail plate, partial or complete, simple; each additional nail plate (List separately in addition to code for primary procedure) |
| 20600 | Arthrocentesis, aspiration and/or injection, small joint or bursa (eg, fingers, toes); without ultrasound guidance |
| 28010 | Tenotomy, percutaneous, toe; single tendon |
| 28011 | Tenotomy, percutaneous, toe; multiple tendons |
| 28055 | Neurectomy, intrinsic musculature of foot |
| 28080 | Excision, interdigital (Morton) neuroma, single, each |
| 28104 | Excision or curettage of bone cyst or benign tumor, tarsal or metatarsal, except talus or calcaneus; |
| 28106 | Excision or curettage of bone cyst or benign tumor, tarsal or metatarsal, except talus or calcaneus; with iliac or other autograft (includes obtaining graft) |
| 28107 | Excision or curettage of bone cyst or benign tumor, tarsal or metatarsal, except talus or calcaneus; with allograft |
| 28110 | Ostectomy, partial excision, fifth metatarsal head (bunionette) (separate procedure) |
| 28111 | Ostectomy, complete excision; first metatarsal head |
| 28112 | Ostectomy, complete excision; other metatarsal head (second, third or fourth) |
| 28113 | Ostectomy, complete excision; fifth metatarsal head |
| 28114 | Ostectomy, complete excision; all metatarsal heads, with partial proximal phalangectomy, excluding first metatarsal (e.g., Clayton type procedure) |
| 28120 | Partial excision (craterization, saucerization, sequestrectomy, or diaphysectomy) bone (e.g., osteomyelitis or bossing); talus or calcaneus |
| 28122 | Partial excision (craterization, saucerization, sequestrectomy, or diaphysectomy) bone (e.g., osteomyelitis or bossing); tarsal or metatarsal bone, except talus or calcaneus |
| 28124 | Partial excision (craterization, saucerization, sequestrectomy, or diaphysectomy) bone (e.g., osteomyelitis or bossing); phalanx of toe |
| 28200 | Repair, tendon, flexor, foot; primary or secondary, without free graft, each tendon |
| 28202 | Repair, tendon, flexor, foot; secondary with free graft, each tendon (includes obtaining graft) |
| 28208 | Repair, tendon, extensor, foot; primary or secondary, each tendon |

- 28210 Repair, tendon, extensor, foot; secondary with free graft, each tendon (includes obtaining graft)
- 28225 Tenolysis, extensor, foot; single tendon
- 28226 Tenolysis, extensor, foot; multiple tendons
- 28232 Tenotomy, open, tendon flexor; toe, single tendon (separate procedure)
- 28234 Tenotomy, open, extensor, foot or toe, each tendon
- 28240 Tenotomy, lengthening, or release, abductor hallucis muscle
- 28264 Capsulotomy, midtarsal (e.g., Heyman type procedure)
- 28270 Capsulotomy; metatarsophalangeal joint, with or without tenorrhaphy, each joint (separate procedure)
- 28272 Capsulotomy; interphalangeal joint, each joint (separate procedure)
- 28285 Correction, hammertoe (e.g., interphalangeal fusion, partial or total phalangectomy)
- 28286 Correction, cock-up fifth toe, with plastic skin closure (e.g., Ruiz-Mora type procedure)
- 28288 Osteotomy, partial, exostectomy or condylectomy, metatarsal head, each metatarsal head
- 28289 Hallux rigidus correction with cheilectomy, debridement and capsular release of the first metatarsophalangeal joint
- 28291 Hallux rigidus correction with cheilectomy, debridement and capsular release of the first metatarsophalangeal joint; with implant
- 28292 Correction, hallux valgus with bunionectomy, with sesamoidectomy when performed; with resection of proximal phalanx base, when performed, any method
- 28295 Correction, hallux valgus with bunionectomy, with sesamoidectomy when performed; with proximal metatarsal osteotomy, any method
- 28296 Correction, hallux valgus with bunionectomy, with sesamoidectomy when performed; with proximal metatarsal osteotomy, any method
- 28297 Correction, hallux valgus with bunionectomy, with sesamoidectomy when performed; with first metatarsal and medial cuneiform joint arthrodesis, any method
- 28298 Correction, hallux valgus with bunionectomy, with sesamoidectomy when performed; with proximal phalanx osteotomy, any method
- 28299 Correction, hallux valgus with bunionectomy, with sesamoidectomy when performed; with double osteotomy, any method
- 28300 Osteotomy; calcaneus (e.g., Dwyer or Chambers type procedure), with or without internal fixation
- 28302 Osteotomy; talus
- 28304 Osteotomy, tarsal bones, other than calcaneus or talus;
- 28305 Osteotomy, tarsal bones, other than calcaneus or talus; with autograft (includes obtaining graft) (e.g., Fowler type)
- 28306 Osteotomy, with or without lengthening, shortening or angular correction, metatarsal; first metatarsal
- 28307 Osteotomy, with or without lengthening, shortening or angular correction, metatarsal; first metatarsal with autograft (other than first toe)
- 28308 Osteotomy, with or without lengthening, shortening or angular correction, metatarsal; other than first metatarsal, each
- 28309 Osteotomy, with or without lengthening, shortening or angular correction, metatarsal; multiple (e.g., Swanson type cavus foot procedure)

- 28315 Sesamoidectomy, first toe (separate procedure)
- 28320 Repair, nonunion or malunion; tarsal bones
- 28322 Repair, nonunion or malunion; metatarsal, with or without bone graft (includes obtaining graft)
- 28344 Reconstruction, toe(s); polydactyly
- 28360 Reconstruction, cleft foot
- 28400 Closed treatment of calcaneal fracture; without manipulation
- 28406 Percutaneous skeletal fixation of calcaneal fracture, with manipulation
- 28435 Closed treatment of talus fracture; with manipulation
- 28436 Percutaneous skeletal fixation of talus fracture, with manipulation
- 28450 Treatment of tarsal bone fracture (except talus and calcaneus); without manipulation, each
- 28455 Treatment of tarsal bone fracture (except talus and calcaneus); with manipulation, each
- 28456 Percutaneous skeletal fixation of tarsal bone fracture (except talus and calcaneus), with manipulation, each
- 28465 Open treatment of tarsal bone fracture (except talus and calcaneus), with or without internal or external fixation, each
- 28470 Closed treatment of metatarsal fracture; without manipulation, each
- 28475 Closed treatment of metatarsal fracture; with manipulation, each
- 28476 Percutaneous skeletal fixation of metatarsal fracture, with manipulation, each
- 28485 Open treatment of metatarsal fracture, with or without internal or external fixation, each
- 28490 Closed treatment of fracture great toe, phalanx or phalanges; without manipulation
- 28495 Closed treatment of fracture great toe, phalanx or phalanges; with manipulation
- 28496 Percutaneous skeletal fixation of fracture great toe, phalanx or phalanges, with manipulation
- 28505 Open treatment of fracture great toe, phalanx or phalanges, with or without internal or external fixation
- 28510 Closed treatment of fracture, phalanx or phalanges, other than great toe; without manipulation, each
- 28515 Closed treatment of fracture, phalanx or phalanges, other than great toe; with manipulation, each
- 28525 Open treatment of fracture, phalanx or phalanges, other than great toe, with or without internal or external fixation, each
- 28530 Closed treatment of sesamoid fracture
- 28531 Open treatment of sesamoid fracture, with or without internal fixation
- 28600 Closed treatment of tarsometatarsal joint dislocation; without anesthesia
- 28605 Closed treatment of tarsometatarsal joint dislocation; requiring anesthesia
- 28606 Percutaneous skeletal fixation of tarsometatarsal joint dislocation, with manipulation
- 28636 Percutaneous skeletal fixation of metatarsophalangeal joint dislocation, with manipulation
- 28730 Arthrodesis, midtarsal or tarsometatarsal, multiple or transverse;
- 28735 Arthrodesis, midtarsal or tarsometatarsal, multiple or transverse; with osteotomy (e.g., flatfoot correction)

- 28737 Arthrodesis, with tendon lengthening and advancement, midtarsal, tarsal navicular-cuneiform (e.g., Miller type procedure)
- 28750 Arthrodesis, great toe; metatarsophalangeal joint
- 28760 Arthrodesis, with extensor hallucis longus transfer to first metatarsal neck, great toe, interphalangeal joint (e.g., Jones type procedure)
- 28805 Amputation, foot; transmetatarsal
- 28810 Amputation, metatarsal, with toe, single
- 28820 Amputation, toe; metatarsophalangeal joint
- 93922 Noninvasive physiologic studies of upper or lower extremity arteries, single level, bilateral (e.g., ankle/brachial indices, Doppler waveform analysis, volume plethysmography, transcutaneous oxygen tension measurement)
- 93923 Noninvasive physiologic studies of upper or lower extremity arteries, multiple levels or with provocative functional maneuvers, complete bilateral study (e.g., segmental blood pressure measurements, segmental Doppler waveform analysis, segmental volume ple
- 93924 Noninvasive physiologic studies of lower extremity arteries, at rest and following treadmill stress testing, complete bilateral study
- 93925 Duplex scan of lower extremity arteries or arterial bypass grafts; complete bilateral study
- 93926 Duplex scan of lower extremity arteries or arterial bypass grafts; unilateral or limited study
- 93970 Duplex scan of extremity veins including responses to compression and other maneuvers; complete bilateral study
- 93971 Duplex scan of extremity veins including responses to compression and other maneuvers; unilateral or limited study

Not Covered:

- 0335T Insertion of sinus tarsi implant
- 0511T Removal and reinsertion of sinus tarsi implant
- 28585 Open treatment of talotarsal joint dislocation, includes internal fixation, when performed (*retro review upon request*)
- S2117 Arthroereisis, subtalar
- 97810 Acupuncture, 1 or more needles; without electrical stimulation, initial 15 minutes of personal one-on-one contact with the patient
- 97811 Acupuncture, 1 or more needles; without electrical stimulation, each additional 15 minutes of personal one-on-one contact with the patient, with insertion of needle(s) (List separately in addition to code for primary procedure)
- 97813 Acupuncture, 1 or more needles; with electrical stimulation, initial 15 minutes of personal one-on-one contact with the patient
- 97814 Acupuncture, 1 or more needles; with electrical stimulation, each additional 15 minutes of personal one-on-one contact with the patient, with insertion of needle(s) (List separately in addition to code for primary procedure)
- 28890 Extracorporeal shock wave, high energy, performed by a physician, requiring anesthesia other than local, including ultrasound guidance, involving the plantar fascia
- 20999 Unlisted procedure, musculoskeletal system, general (*when billed for prolotherapy*)

- 28899 Unlisted procedure, foot or toes (*if billed for Not Covered procedures*)
17999 Unlisted procedure, skin, mucous membrane and subcutaneous tissue (when
 billed for laser treatment of onychomycosis)
96999 Unlisted special dermatological service or procedure (when billed for laser
 treatment of onychomycosis)

VI. REFERENCES

1. Centers for Medicare and Medicaid Services. NCD for Services Provided for the Diagnosis and Treatment of Diabetic Sensory Neuropathy with Loss of Protective Sensation (aka Diabetic Peripheral Neuropathy) (70.2.1) : <https://www.cms.gov/medicare-coverage-database/details/ncd-details.aspx?NCDId=171&ncdver=1&bc=AAAAGAAAAAAAAA%3d%3d&> (Retrieved December 30, 2024)
2. Acker AS, Mendes de Carvalho KA, Hanselman AE. Hallux Rigidus: Update on Conservative Management. *Foot Ankle Clin.* 2024 Sep;29(3):405-415. doi: 10.1016/j.fcl.2023.09.010. Epub 2023 Nov 1. PMID: 39068017.
3. Butler JJ, Hartman H, Mener A, Mercer NP, Randall GW, Petropoulos S, Rosenbaum AJ, Kennedy JG. Limited Evidence to Support the Use of Intra-Articular Injection of Hyaluronic Acid for the Management of Hallux Rigidus: A Systematic Review. *Foot Ankle Orthop.* 2024 Jul 29;9(3):24730114241265109. doi: 10.1177/24730114241265109. PMID: 39086378; PMCID: PMC11289800.
4. Coughlin MJ & Shurnas PS. Hallux rigidus. Grading and long-term results of operative treatment. *J Bone Joint Surg Am.* 2003 Nov;85(11):2072-88.
5. Elewski BE. Onychomycosis: pathogenesis, diagnosis, and management. *Clin Microbiol Rev.* 1998 Jul;11(3):415-29. Galois L, Coillard JY, Porterie J, Melac-Ducamp S, Conrozier T. Open-Label Pilot Study of a Single Intra-Articular Injection of Mannitol-Modified Cross-Linked Hyaluronic Acid (HANOX-M-XL) for the Treatment of the First Metatarsophalangeal Osteoarthritis (Hallux Rigidus): The REPAR Trial. *Clin Med Insights Arthritis Musculoskelet Disord.* 2022 Mar 10;15:11795441211055882. doi: 10.1177/11795441211055882. PMID: 35295206; PMCID: PMC8918964.
6. Kunnasegaran R, Thevendran G. Hallux Rigidus: Nonoperative Treatment and Orthotics. *Foot Ankle Clin.* 2015 Sep;20(3):401-12. doi: 10.1016/j.fcl.2015.04.003. Epub 2015 Jun 9. PMID: 26320555.
- 7.
8. Lee K, Hwang IY, Ryu CH, Lee JW, Kang SW. Ultrasound-Guided Hyaluronic Acid Injection for the Management of Morton's Neuroma. *Foot Ankle Int.* 2018 Feb;39(2):201-204. doi: 10.1177/1071100717739578. Epub 2017 Nov 20. PMID: 29153007.
9. Munteanu SE, Buldt A, Lithgow MJ, Cotchett M, Landorf KB, Menz HB. Non-surgical interventions for treating osteoarthritis of the big toe joint. *Cochrane Database Syst Rev.* 2024 Jun 17;6(6):CD007809. doi: 10.1002/14651858.CD007809.pub3. PMID: 38884172; PMCID: PMC11181457.

10. Pons M, Alvarez F, Solana J, Viladot R, Varela L. Sodium hyaluronate in the treatment of hallux rigidus. A single-blind, randomized study. *Foot Ankle Int.* 2007 Jan;28(1):38-42. doi: 10.3113/FAI.2007.0007. PMID: 17257536.
11. Sconfienza LM, Adriaensen M, Albano D, Alcala-Galiano et al. Clinical indications for image-guided interventional procedures in the musculoskeletal system: a Delphi-based consensus paper from the European Society of Musculoskeletal Radiology (ESSR)-part VI, foot and ankle. *Eur Radiol.* 2022 Feb;32(2):1384-1394. doi: 10.1007/s00330-021-08125-z. Epub 2021 Aug 25. PMID: 34432122; PMCID: PMC8794903.
12. Urits I, Smoots D, Franscioni H, Patel A, Fackler N, Wiley S, Berger AA, Kassem H, Urman RD, Manchikanti L, Abd-Elsayed A, Kaye AD, Viswanath O. Injection Techniques for Common Chronic Pain Conditions of the Foot: A Comprehensive Review. *Pain Ther.* 2020 Jun;9(1):145-160. doi: 10.1007/s40122-020-00157-5. Epub 2020 Feb 27. PMID: 32107725; PMCID: PMC7203280.

Onychomycosis

14. Ghannoum MA, Hajjeh RA, Scher R, Konnikov N, Gupta AK, Summerbell R, et al. A large-scale North American study of fungal isolates from nails: the frequency of onychomycosis, fungal distribution, and antifungal susceptibility patterns. *J Am Acad Dermatol.* 2000 Oct;43(4):641-8.
15. Gupta AK, Jain HC, Lynde CW, Macdonald P, Cooper EA, Summerbell RC. Prevalence and epidemiology of onychomycosis in patients visiting physicians' offices: a multicenter Canadian survey of 15,000 patients. *J Am Acad Dermatol.* 2000 Aug;43(2 Pt 1):244-8.
16. Gupta AK, Konnikov N, MacDonald P, Rich P, Rodger NW, Edmonds MW, et al. Prevalence and epidemiology of toenail onychomycosis in diabetic subjects: a multicentre survey. *Br J Dermatol.* 1998 Oct;139(4):665-71.
17. Gupta AK, Venkataraman M, Renaud HJ, Summerbell R, Shear NH, Piguet V. A Paradigm Shift in the Treatment and Management of Onychomycosis. *Skin Append Disord.* 2021;7(5).
18. Tosti A, Elewski BE. Onychomycosis: Practical Approaches to Minimize Relapse and Recurrence. *Skin Appendage Disord.* 2016 Sep;2(1-2):83-87.

Prolotherapy

19. Alfredson H, Ohberg L. Sclerosing injections to areas of neo-vascularisation reduce pain in chronic Achilles tendinopathy: a double-blind randomised controlled trial. *Knee Surg Sports Traumatol Arthrosc.* 2005 May;13(4):338-44. doi: 10.1007/s00167-004-0585-6. Epub 2005 Feb 2. PMID: 15688235.
20. Chung MW, Hsu CY, Chung WK, Lin YN. Effects of dextrose prolotherapy on tendinopathy, fasciopathy, and ligament injuries, fact or myth?: A systematic review and meta-analysis. *Medicine (Baltimore).* 2020 Nov 13;99(46):e23201. doi: 10.1097/MD.00000000000023201. PMID: 33181700; PMCID: PMC7668443.

21. Morath O, Kubosch EJ, Taeymans J, Zwingmann J, Konstantinidis L, Südkamp NP, Hirschmüller A. The effect of sclerotherapy and prolotherapy on chronic painful Achilles tendinopathy-a systematic review including meta-analysis. *Scand J Med Sci Sports*. 2018 Jan;28(1):4-15. doi: 10.1111/sms.12898. Epub 2017 May 26. PMID: 28449312.

Subtalar Arthroereisis

22. Adelman VR, Szczepanski JA, Adelman RP. Radiographic evaluation of endoscopic gastrocnemius recession, subtalar joint arthroereisis, and flexor tendon transfer for surgical correction of stage II posterior tibial tendon dysfunction: a pilot study. *J Foot Ankle Surg*. 2008;47(5):400-408.
23. Bernasconi A, Argyropoulos M, Patel S, et al. Subtalar arthroereisis as an adjunct procedure improves forefoot abduction in stage iib adult-acquired flatfoot deformity. *Foot & ankle specialist*. 2022;15(3):209-220. doi:10.1177/1938640020951031
24. Bernasconi A, Lintz F, Sadile F. The role of arthroereisis of the subtalar joint for flatfoot in children and adults. *EFORT Open Rev*. 2017;2(11):438-446.
25. Jerosch J, Schunck J, Abdel-Aziz H. The stop screw technique--a simple and reliable method in treating flexible flatfoot in children. *Foot Ankle Surg*. 2009;15(4):174-178.
26. Manfredini G, Gagliardi M, Fiacchi F, Catani F. Flat foot and hallux valgus: when it is useful to associate the correction with arthroereisis? *Foot Ankle Surg*. 2017;23:40.
27. Metcalfe SA, Bowling FL, Reeves ND. Subtalar joint arthroereisis in the management of pediatric flexible flatfoot: a critical review of the literature. *Foot Ankle Int*. 2011;32(12):1127-1139.
28. Needleman RL. A surgical approach for flexible flatfeet in adults including a subtalar arthroereisis with the MBA sinus tarsi implant. *Foot Ankle Int*. 2006;27(1):9-18.
29. Ozan F, Dogar F, Gencer K, et al. Symptomatic flexible flatfoot in adults: subtalar arthroereisis. *Ther Clin Risk Manag*. 2015;11:1597-1602.
30. Piraino JA, Theodoulou MH, Ortiz J, Peterson K, Lundquist A, Hollawell S, Scott RT, Joseph R, Mahan KT, Bresnahan PJ, Butto DN, Cain JD, Ford TC, Knight JM, Wobst GM. American College of Foot and Ankle Surgeons Clinical Consensus Statement: Appropriate Clinical Management of Adult-Acquired Flatfoot Deformity. *J Foot Ankle Surg*. 2020 Mar-Apr;59(2):347-355. doi: 10.1053/j.jfas.2019.09.001. PMID: 32131002.
31. Saxena A, Via AG, Maffulli N, Chiu H. Subtalar arthroereisis implant removal in adults: a prospective study of 100 patients. *J Foot Ankle Surg*. 2016;55(3):500-503.
32. Silva M, Koh DTS, Tay KS, Koo KOT, Singh IR. Lateral column osteotomy versus subtalar arthroereisis in the correction of grade iib adult acquired flatfoot deformity: A clinical and radiological follow-up at 24 months. *Foot and ankle surgery : official journal of the European Society of Foot and Ankle Surgeons*. 2021;27(5):559-566. doi:10.1016/j.fas.2020.07.010

33. Viladot R, Pons M, Alvarez F, Omana J. Subtalar arthroereisis for posterior tibial tendon dysfunction: a preliminary report. *Foot Ankle Int.* 2003;24(8):600-606.
34. Viladot Voegeli A, Fontecilla Cornejo N, Serra Sandoval JA, Alvarez Goenaga F, Viladot Perice R. Results of subtalar arthroereisis for posterior tibial tendon dysfunction stage IIA1. Based on 35 patients. *Foot Ankle Surg.* 2018;24(1):28-33.
35. Walley KC, Greene G, Hallam J, Juliano PJ, Aynardi MC. Short- to mid-term outcomes following the use of an arthroereisis implant as an adjunct for correction of flexible, acquired flatfoot deformity in adults. *Foot Ankle Spec.* 2019;12(2):122-130.
36. Xu J, Ma X, Wang D, et al. Comparison of extraosseous talotarsal stabilization implants in a stage II adult-acquired flatfoot model: a finite element analysis. *J Foot Ankle Surg.* 2017;56(5):1058-1064.
37. Zhu Y, Xu XY. Treatment of stage II adult acquired flatfoot deformity with subtalar arthroereises. *Foot Ankle Spec.* 2015;8(3):194-202.

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