

Tibialis Anterior (cont)

TibA Management

Associated

injuries:

by bee.f (bee.f) via cheatography.com/180201/cs/40798/

Plantar fasciitis; Achilles

tendonitis; Morton's neuroma;

Shin splints; General calf pain

	By Bec	
Tibialis Ante	rior	
Origin:	Lateral surface of tibia, intero- sseous membrane	
Insertion:	Medial cuneiform bone, base of 1st metatarsal	
Innerv- ation:	Deep fibular nerve (L4, L5)	
Action:	Dorsiflexion & inversion	
Muscle test:	Pt: plantarflex & evert foot DC: resistance hand on medial foot & resist pt's movement Pt: dorsiflex & invert foot	
Weakness:	Difficult/impossible to walk on heels, but doesn't usually interfere with normal walking	
Trigger points:	Upper 1/3 of muscle w/ referred pain along it & 1° pain referral to the front of the ankle & dorsal part of medial foot & big toe	
Active release:	Shorten muscle (dorsiflex & invert); lock after pt inhales;	

bring foot to plantarflexion &

eversion while pt breathing

Activation: shorten muscle

Inhibition: lengthen muscle

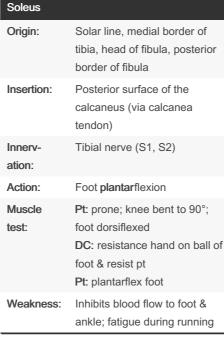
(plantar & evert); insertion to

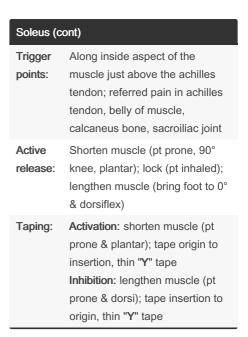
insertion, "I" tape

origin; "I" tape

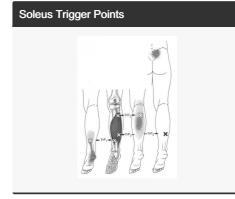
(dorsi & invert); tape origin to

TibA Trigger Points Thirds metaline with the proper point of the





Soleus Management





Taping:

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Quadriceps
Origin:
Insertion:
Innervation:
Muscle test:
Trigger points:
Active release:

33	
Active release:	
Taping:	
Erector Spinae	
Erector Spinae Origin:	

Innervation:	
Muscle test:	
Trigger points:	
Active release:	

Taping:

Infraspinatus	
Origin:	
Insertion:	
Innervation:	
Muscle test:	
Trigger points:	
Active release:	
Taping:	

Supinator	
Origin:	
Insertion:	
Innervation:	
Muscle test:	
Trigger points:	
Active release:	
Taping:	

Levator Scapulae
Origin:
Insertion:
Innervation:
Muscle test:
Trigger points:
Active release:
Taping:

Tibialis Posterior		
Origin:	Posterior surface of tibia, posterior surface of fibula & Interosseous membrane	
Insertion:	Tuberosity of navicular bone, all cuneiform bones, cuboid bone, bases of metatarsal bones 2-4	
Innerv- ation:	Tibial nerve (L4, L5)	
Action:	Plantarflexion, inversion.	

Action:	Plantar flexion, in version, supports medial longitudinal arch of foot	
Muscle test:	Pt: prone, dorsiflex & invert foot DC: resistance hand on lateral foot & resist pt Pt: plantarflex & evert foot	
Weakness:	Arch slowly collapses, heel drifts into valgus, & forefoot	

	gradually abducts → painful
	acquired flatfoot
Trigger	Near muscle origin, upper
points:	middle calf w/ referred pain to
	achilles tendon, belly of
	muscle, calf, heel of the foot 8
	occasionally may cause shin
	splint pain

Tibialis Posterior (cont)

Active

release:	evert); lock after pt inhales; bring	
	foot to dorsiflexion & inversion	
	while pt exhaling	
Taping:	Activation: shorten muscle	
	(plantar & evert); tape origin to	
	insertion, "I" tape	
	Inhibition: lengthen muscle (dorsi	
	& invert): tape insertion to origin.	

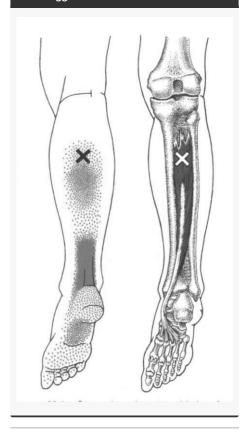
Shorten muscle (plantarflex &

TibP Management

"I" tape



TibP Trigger Points





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Fibularis		Quadratus Lumborum	Scalene mu	scles	
Origin: Longus head: head & proximal 2/3 of the lateral surface of the shaft of fibula, adjacent surface of the intemuscular septum Brevis head: distal 2/3 of the lateral surface of the fibula,	Origin:	Origin:			
	surface of the shaft of fibula, adjacent surface of the intemuscular septum Brevis head: distal 2/3 of the	Insertion:	Insertion:	Insertion:	
		Innervation:	Innervation:	Innervation:	
		Muscle test:	Muscle test:	Muscle test:	
		Trigger points:	Trigger poin	Trigger points:	
		Active release:	Active releas	Active release:	
	adjacent intermuscular septum	Taping:	Taping:		
Insertion:	Plantar side of the medial	Serratus Anterior	Gastrocnem	Gastrocnemius	
	cuneiform & first metatarsal	Origin:	Origin:	Lateral head: upper poster-	
	bone Brevis head: tuberosity of the	Insertion:		olateral surface of lateral	
	5th metatarsal bone	Innervation:		condyle of the femur	
Innerv-	Longus head: fibular	Muscle test:		Medial head: posterior surface of medial femoral	
ation:	(peroneal) nerve (L5, S1)	Trigger points:		condyle, popliteal surface of	
	Brevis head: superficial	Active release:		femoral shaft	
	fibular (peroneal) nerve (L5, S1)	Taping:	Insertion:	Posterior surface of the calcaneus via the calcanea	
Action:	Longus: plantarflex & evertfoot, provides support to longitudinal & transverse arches	Pectoralis Major		tendon	
		Origin:	Innerv-	Tibial nerve (S1, S2)	
		Insertion:	ation:		
	Brevis: foot eversion	Innervation:	Action:	Foot plantar flexion & leg flex ion	
Muscle	Pt: supine; dorsiflex & invert DC: resistance on lateral aspect of foot & resist pt Pt: plantarflexes & everts	Muscle test:	Muscle	Pt: supine; knee extended;	
test:		Trigger points:	test:	foot slight dorsiflexion DC: resistance hand on ball o	
		Active release:			
Weakness:	Instability in ankle, & a	Taping:		foot & resist pt	
	tendency to ankle sprain	Flavor agrai radialia		Pt: plantarflex foot	
Trigger points: Active release: Taping:		Flexor carpi radialis	Weakness:	Results in calcaneal gait (sole of foot doesn't contact	
		Origin:	!	ground); struggle climbing stairs & uphill walking	
		Insertion:			
		Innervation:			
		Muscle test:			
		Trigger points:			
		Active release:			
		Taping:			



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Gastrocnemius (cont)

Trigger Just below knee crease (mediapoints: Ily), inch or two below (belly of

muscle) & referred pain to achilles tendon, ankle, muscle belly, foot, lower 1/3 of post.

thigh, post. knee

Active Pt prone; plantarflex foots; lock release: (after pt inhales); bring foot to

dorsiflexion (while pt exhales)

Taping: Activation: shorten muscle (pt

prone & plantar); tape origin to

insertion, "Y" tape

Inhibition: lengthen muscle (pt prone & dorsi); tape insertion to

origin, "Y" tape

Gastrocnemius Management



Gastrocnemius Trigger Points



Hamstrings

Origin:

Insertion:

Innervation:

Muscle test:

Trigger points:
Active release:

Taping:

Extensor carpi radialis

Origin:

Insertion:

Innervation:

Muscle test:

Trigger points:

Active release:

Taping:

Iliopsoas

Origin:

Insertion:

Innervation:

Muscle test:

Trigger points:

Active release:

Taping:

Trapezius

Origin:

Insertion:

Innervation:

Muscle test:

Trigger points:
Active release:

Taping:

Pronator Teres

Origin:

Insertion:

Innervation:

Muscle test:

Trigger points:

Active release:

Taping:



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