

Tibialis Anterior – anterior compartment

Antagonist and Synergist muscles

Antagonist muscles for dorsiflexion of talocrural joint:

Gastrocnemius
Soleus
Plantaris
Tibialis posterior
Flexor digitorum longus
Flexor hallucis longus
Peroneus (fibularis) longus
Peroneus (fibularis) brevis

Antagonist muscles for inversion of the intertarsal joints:

Peroneus (fibularis) longus
Peroneus (fibularis) brevis
Peroneus (fibularis) tertius

Synergist muscles for dorsiflexion of the talocrural joint:

Extensor digitorum longus
Extensor hallucis longus
Peroneus tertius

Synergist muscles for inversion of the intertarsal joints:

Flexor digitorum longus
Flexor hallucis longus
Tibialis posterior
Extensor hallucis longus



More Information:

The anterior compartment of the lower leg includes tibialis anterior, extensor digitorum longus, extensor hallucis longus, and peroneus tertius.

Tibialis Anterior

Origin: proximal 2/3 of lateral surface of the tibia and lateral condyle of the tibia
Insertion: base of the 1st metatarsal and medial cuneiform
Action: dorsiflexion of the talocrural joint and inversion of the intertarsal joints
Innervation: deep fibular nerve