

# Muscles of the Anterior Compartment of the Leg

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There are 4 muscles that make up the anterior compartment of the leg:

1. Tibialis Anterior
2. Extensor Hallucis Longus
3. Extensor Digitorum Longus
4. Fibularis Tertius

Muscle	Origin	Insertion	Nerve	Action
Tibialis Anterior	Tibia (upper 2/3 of the lateral surface) Interosseous membrane Superficial crural fascia (highest part)	Medial cuneiform (medial and plantar surface) 1st metatarsal (medial base)	Deep Fibular N. (L4, L5)	<b>Talocrural joint:</b> Dorsiflexion <b>Subtalar joint:</b> inversion (supination)
Extensor Hallucis Longus	Fibula (middle third of the medial surface) IO membrane	1st toe ( <i>at the dorsal aponeurosis at the base of its distal phalanx</i> )	Deep Fibular N. (L4, L5)	<b>TCJ:</b> DF <b>STJ:</b> INV or EV ( <i>depending on initial position of foot</i> ) <b>1st toe MTP and IP:</b> Extension
Extensor Digitorum Longus	Tibia (lateral condyle) Fibula (head and medial surface) IO membrane	2nd to 5th toes ( <i>at the dorsal aponeuroses at the bases of the distal phalanges</i> )	Deep Fibular N. (L4, L5)	<b>TCJ:</b> DF <b>STJ:</b> Eversion <b>MTP &amp; IP 2-5 Toe:</b> Extension
Fibularis Tertius	Distal Fibula (anterior border)	Middle shaft or base of 5th MT	Deep Fibular N. (L4, L5)	<b>TCJ:</b> DF <b>STJ:</b> Eversion

The Fibularis Tertius is the most anterior muscle out of the 4 [1].

## Bibliography

- [1] Ł. Olewnik, “Fibularis Tertius: Anatomical Study and Review of the Literature”, *Clinical Anatomy (New York, N.Y.)*, vol. 32, no. 8, pp. 1082–1093, Nov. 2019, doi: 10.1002/ca.23449.