

DEEP POSTERIOR COMPARTMENT

Anatomy Reference Chart: Lower Limb Inervation: Tibial Nerve (L4-S3)

[Insert Posterior View: Deep Leg Dissection Diagram Here]

MUSCLE	ORIGIN & INSERTION	PRIMARY ACTION
Popliteus	Lateral femoral condyle to proximal posterior tibia.	Unlocks knee; medially rotates tibia on fixed femur.
Tibialis Posterior	Interosseous membrane and adjacent bones to navicular tuberosity/cuneiforms.	Plantarflexion of foot; inversion of foot; supports medial arch.
Flexor Hallucis Longus	Distal 2/3 of fibula to base of distal phalanx of great toe.	Flexes great toe; weak plantarflexion; supports longitudinal arch.
Flexor Digitorum Longus	Posterior tibia to bases of distal phalanges of lateral four digits.	Flexes lateral four digits; plantarflexion of foot.

Clinical Note: The deep posterior compartment is bound by the transverse intermuscular septum.