Anatomy & Physiology: Muscles—Extensor Digitorum Brevis.

STRUCTURE.

- Origin: calcaneus and inferior extensor retinaculum.
- Insertion: tendons of extensor digitorum longus on toes II-IV and proximal phalanx of great toe.

FUNCTION.

- Concentric action: extends toes II-IV at interphalangeal joints.
- Reverse mover action: extend metatarsal at MTP, extend proximal phalanges at PIP and DIP.
- Eccentric action: controls/restrains/decelerates flexion of toes 2-4 at MTP, PIP, and DIP; flexion of metatarsals 2-4 at MTP.
- Isometric action: stabilize MTP, PIP, and DIP.
- Innervation: deep fibular (peroneal) nerve.
- Arterial supply: dorsalis pedis artery.

CLINICAL SIGNIFICANCE.

References

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