Anatomy & Physiology: Muscles—Abductor Pollicis Brevis.

STRUCTURE.

- Origin: flexor retinaculum, scaphoid, and trapezium.
- Insertion: lateral side of proximal phalanx of thumb.

FUNCTION.

- Concentric action: abducts thumb at carpometacarpal joint. Lesser: thumb flexion at MCO; thumb extension at CMC and IP.
- Reverse mover action: abudction of trapezium at CMC; flexion of thumb at MCP; trapezium extension at CMC; extension of proximal phalanx of thumb at IP.
- Eccentric action: controls/restrains/slows thumb adduction at CMC; thumb extension at MCP; flexion of thumb at CMC and IP.
- Isometric action: stabilizes CMC, MCP, and IP joints of thumb.
- Innervation: median nerve.
- Arterial supply: radial artery.

CLINICAL SIGNIFICANCE.

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