

Anatomy & Physiology: Muscles—Extensor Digiti Minimi.

STRUCTURE.

- Origin: lateral epicondyle of humerus.
- Insertion: tendon of extensor digitorum on fifth phalanx.

FUNCTION.

- Concentric action: extends proximal phalanx of little finger at MCP, DIP, PIP joints; and hand at wrist joint (wrist extension). Lesser: medial rotation of little finger; elbow extension; ulnar deviation.
- Reverse mover action: extends proximal phalanx of little finger at MCP, DIP, PIP joints; and hand at wrist joint (wrist extension). Lesser: medial rotation of little finger; elbow extension; ulnar deviation.
- Eccentric action: controls/restrains/slows flexion at MCP, DIP, PIP; wrist flexion; lateral rotation of little finger; elbow flexion.
- Isometric action: stabilize MCP, DIP, PIP, wrist, radioulnar joints, elbow joint.
- Innervation: deep radial nerve.
- Arterial supply: posterior interosseus artery.

CLINICAL SIGNIFICANCE.

References

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