

Anatomy & Physiology: Muscles—Extensor Carpi Radialis Brevis.

STRUCTURE.

- Origin: lateral epicondyle of humerus.
- Insertion: third metacarpal.

FUNCTION.

- Concentric action: extends and abducts hand (radial deviation) at wrist joint. Lesser: elbow flexion, pronation, supination.
- Reverse mover action: extension and radial deviation of wrist; elbow flexion, pronation, supination.
- Eccentric action: controls/restrains/slows wrist flexion and ulnar deviation; elbow extension; supination, pronation.
- Isometric action: stabilize wrist and elbow.
- Innervation: radial nerve.
- Arterial supply: branches of brachial artery; radial artery.

CLINICAL SIGNIFICANCE.

References

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