

## Anatomy & Physiology: Muscles—Extensor Carpi Radialis Longus.

### STRUCTURE.

- Origin: lateral supracondylar ridge of humerus.
- Insertion: second metacarpal.

### FUNCTION.

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

### CLINICAL SIGNIFICANCE.

## References

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