

## Anatomy & Physiology: Muscles—Opponens Digiti Minimi.

### STRUCTURE.

- Origin: flexor retinaculum and hamate.
- Insertion: medial side of 5th metacarpal.

### FUNCTION.

- Concentric action: moves little finger across palm to touch the thumb. Lesser: flex little finger at CMC; lateral rotation of little finger at CMC; adduction of little finger at CMC.
- Reverse mover action: flexion, medial rotation and adduction of hamate at 5th CMC.
- Eccentric action: controls/restrains/slows little finger movements at CMC.
- Isometric action: stabilize CMC of little finger.
- Innervation: ulnar nerve.
- Arterial supply: branches of ulnar artery.

### CLINICAL SIGNIFICANCE.

## References

Biel, A. (2015). *Trail guide to the body: A hands-on guide to locating muscles, bones and more.*

Cedars-Sinai. (2018). Vertebrae of the spine. Retrieved from <https://www.cedars-sinai.org/health-library/diseases-and-conditions/v/vertebrae-of-the-spine.html>

Clark, M., Lucett, S., Sutton, B. G., & National Academy of Sports Medicine. (2014). *NASM essentials of corrective exercise training.* Burlington, MA: Jones & Bartlett Learning.

Jenkins, G., & Tortora, G. J. (2012). *Anatomy and Physiology: From Science to Life, 3rd Edition International Stu.* John Wiley & Sons.

Muscolino, J. E. (2017). *The muscular system manual: The skeletal muscles of the human body.*