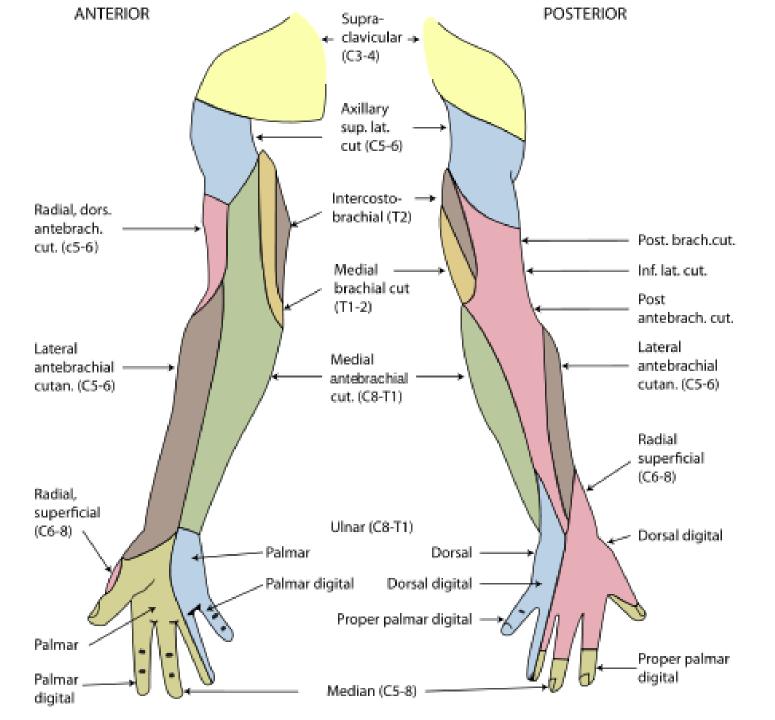
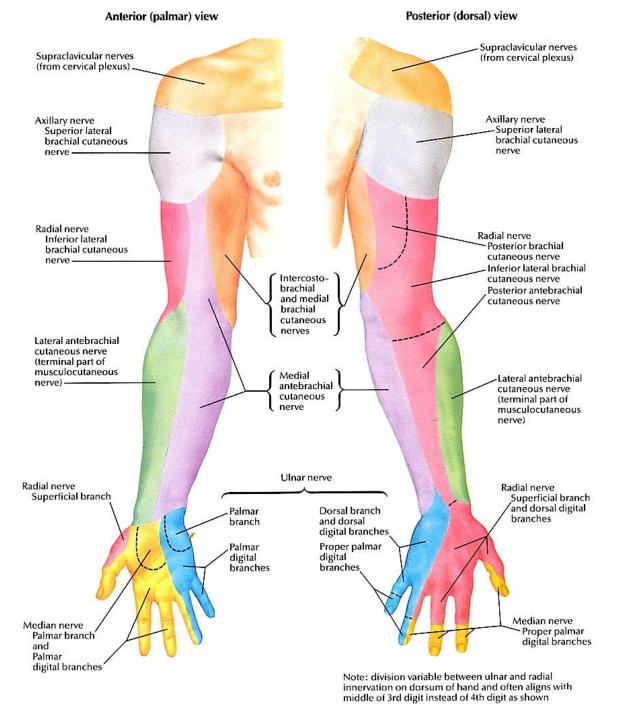
## Upper limb forearm region and Hand

By Dr Qaisar Afridi





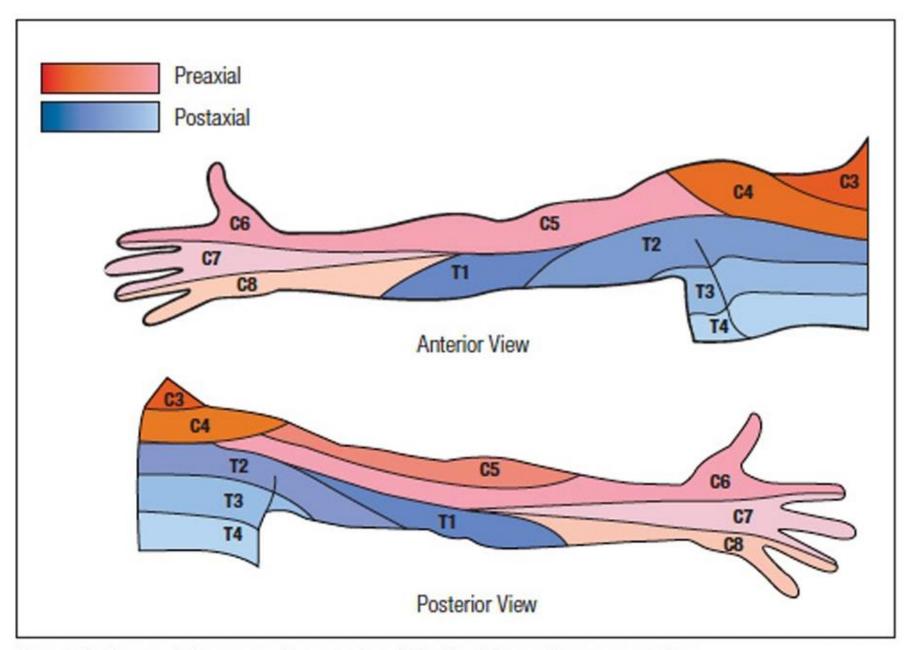
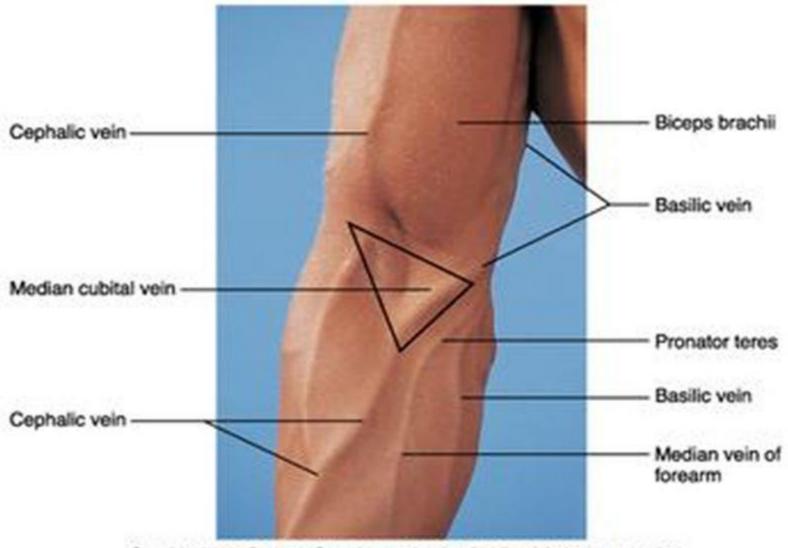
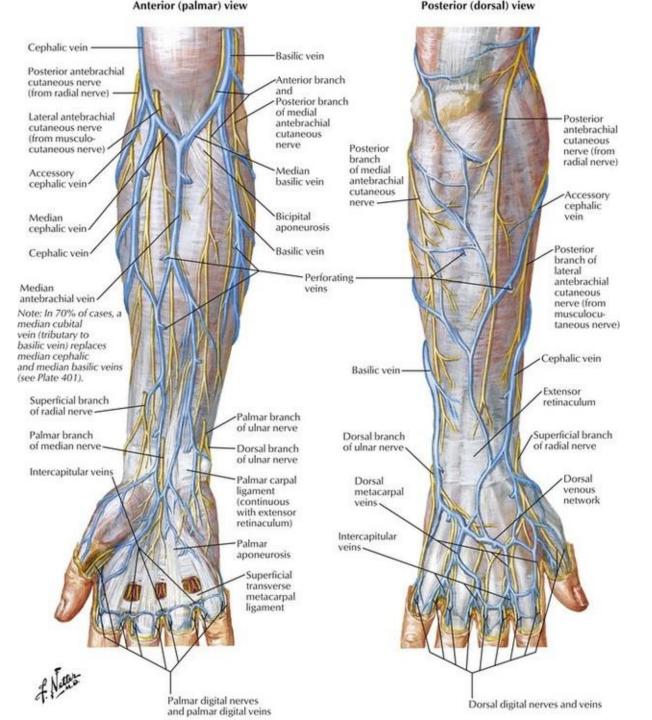


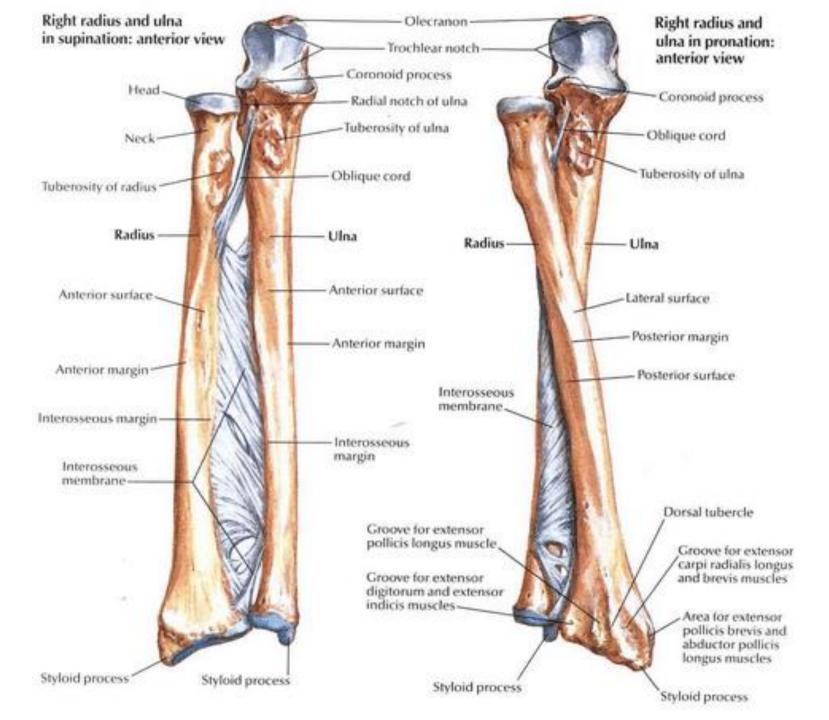
Figure 2. A map of dermatomal innervation of the shoulder and upper extremity.

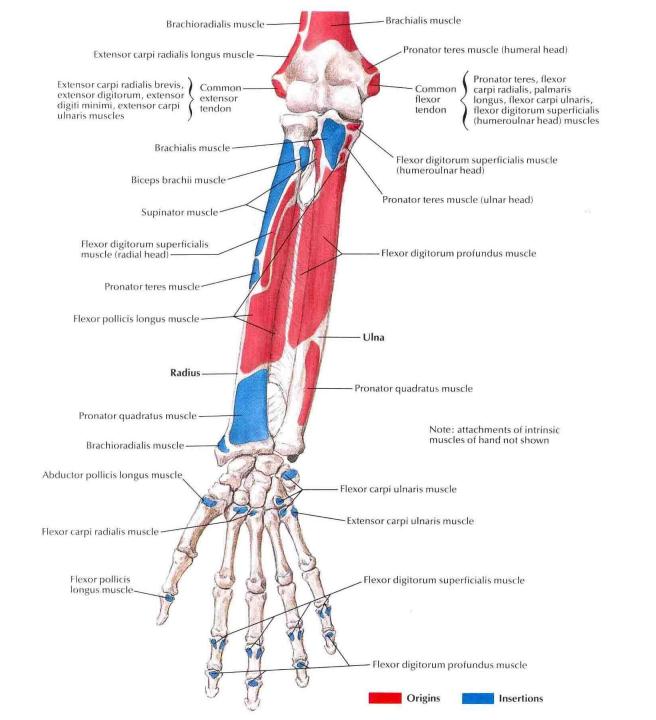
## Cubital Fossa (Site for IV injection)

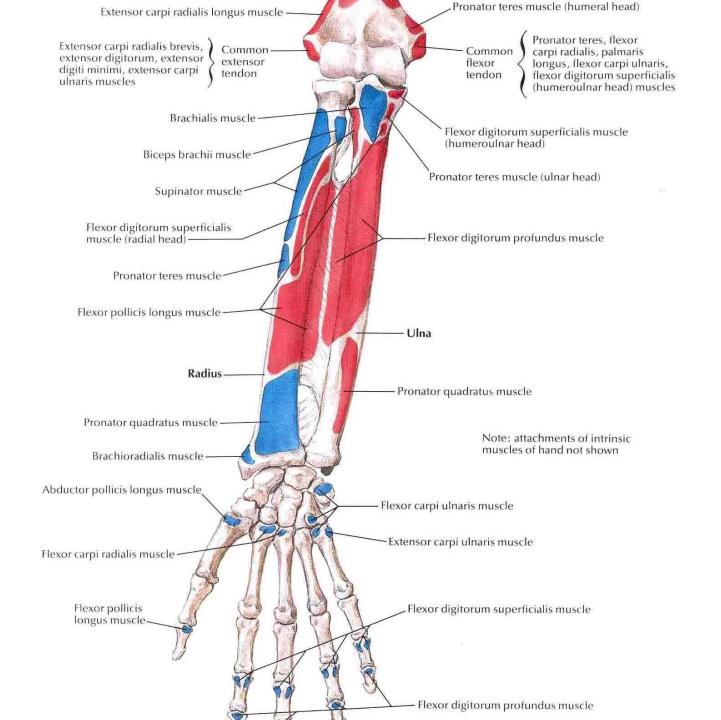


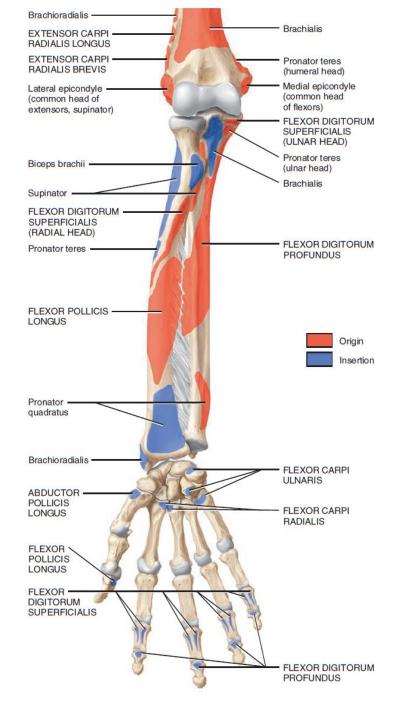
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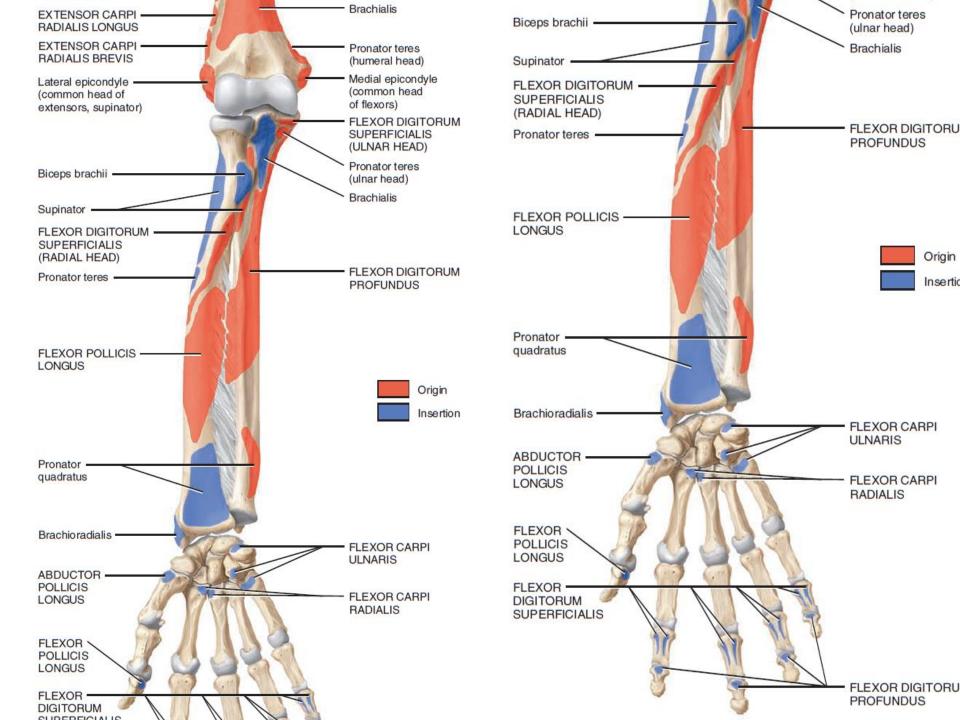


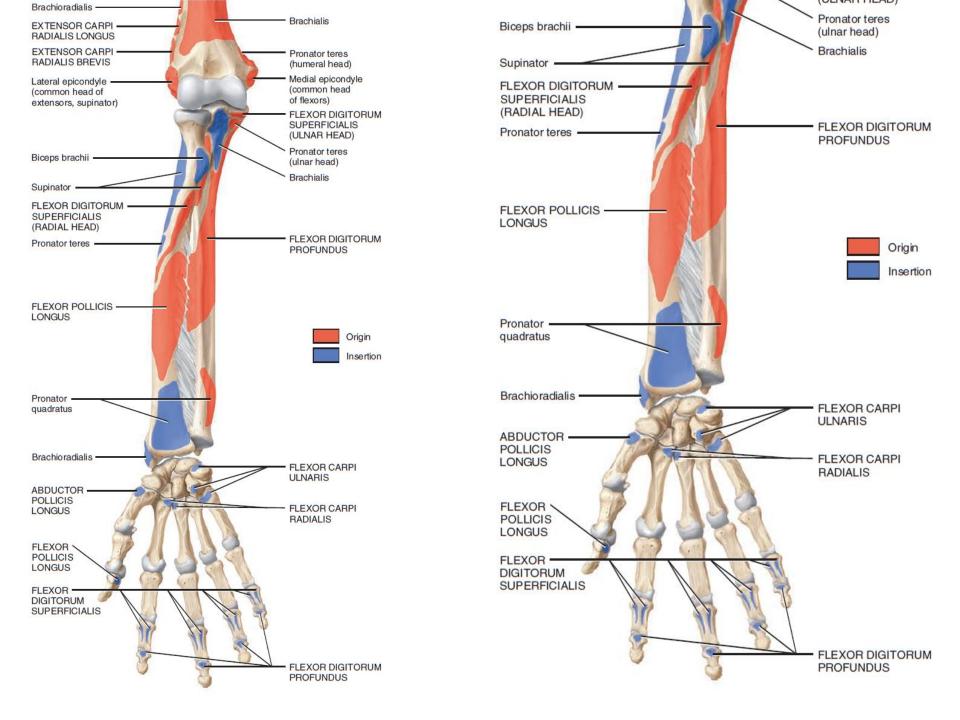


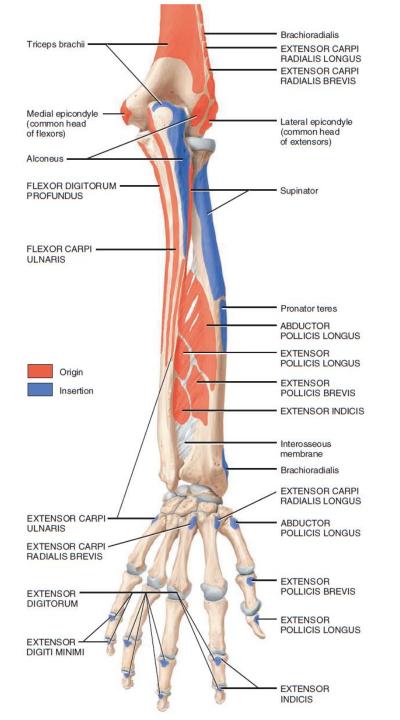


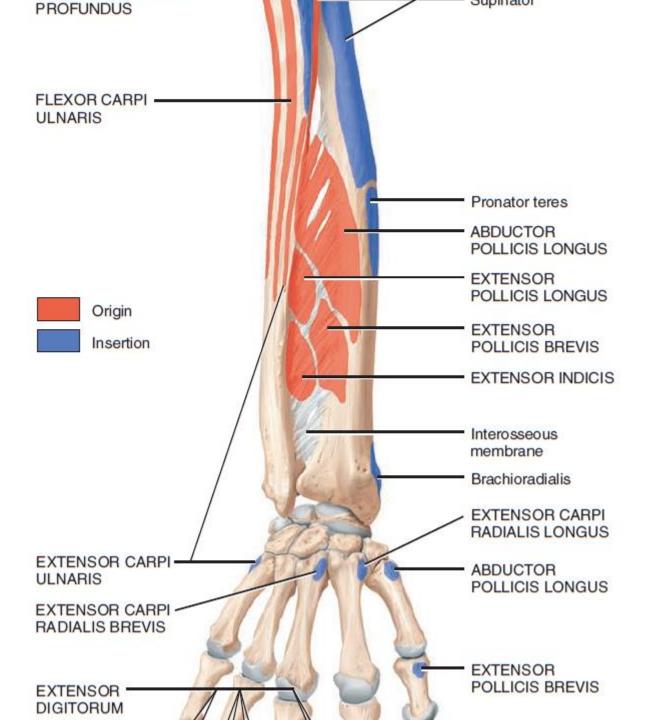


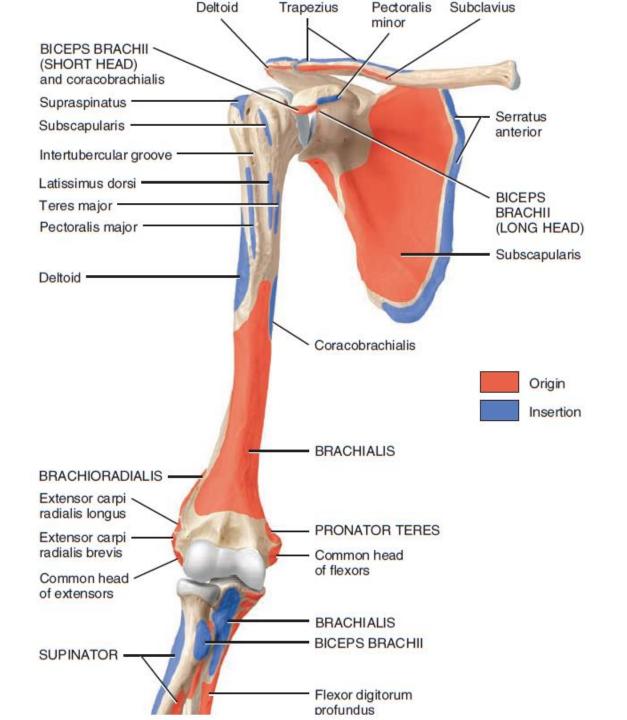


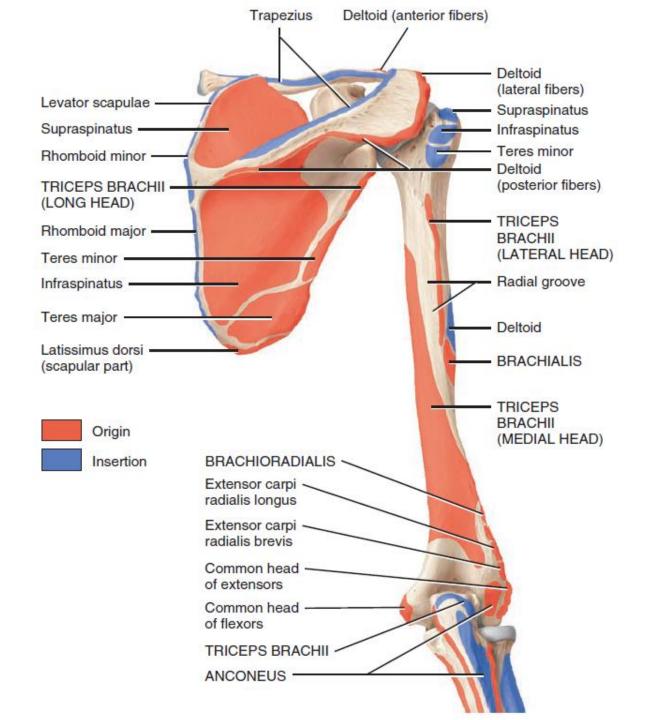


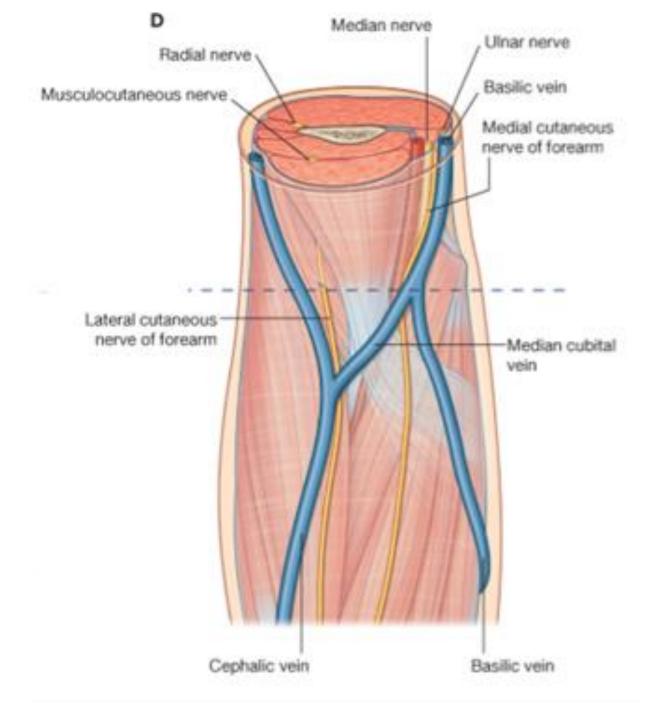


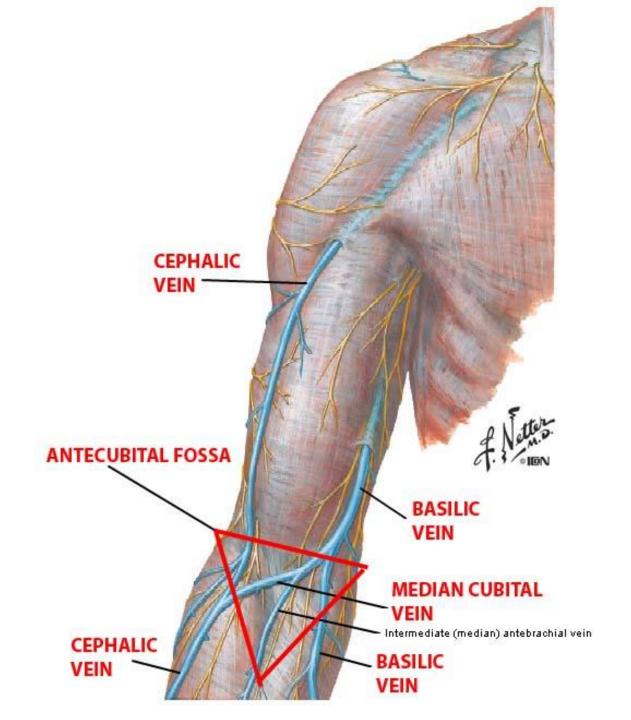


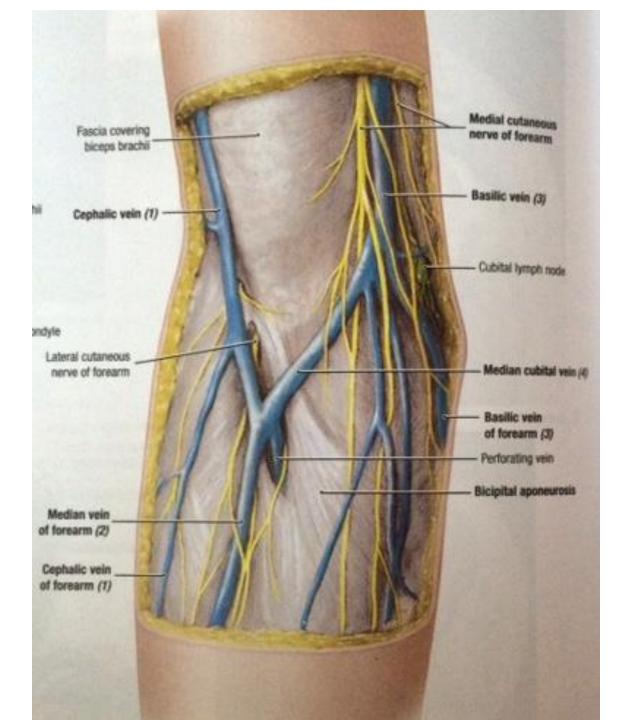


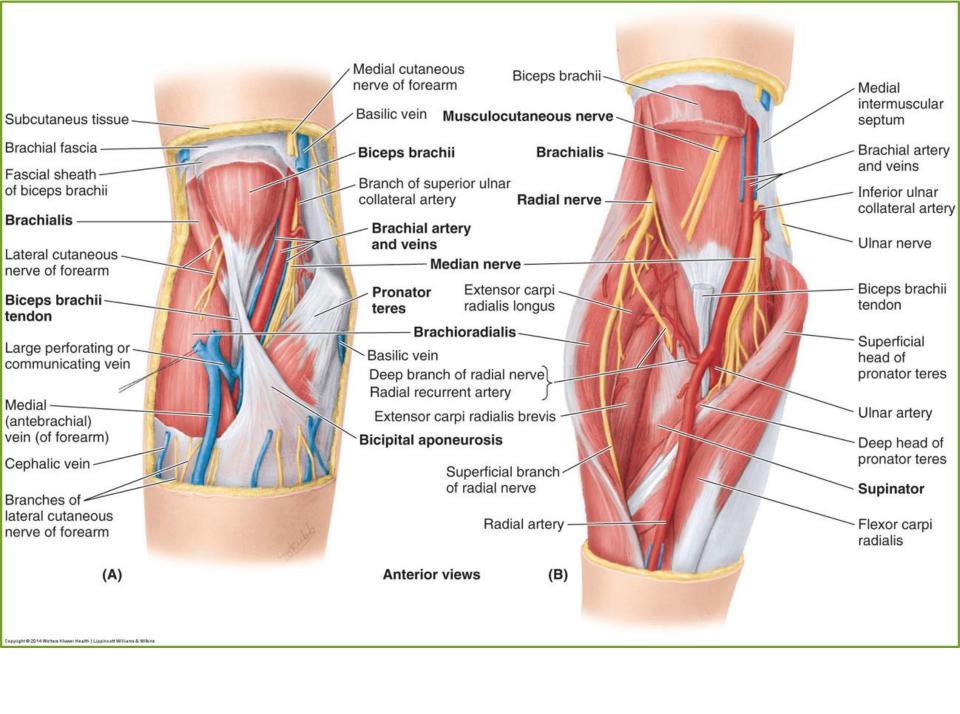


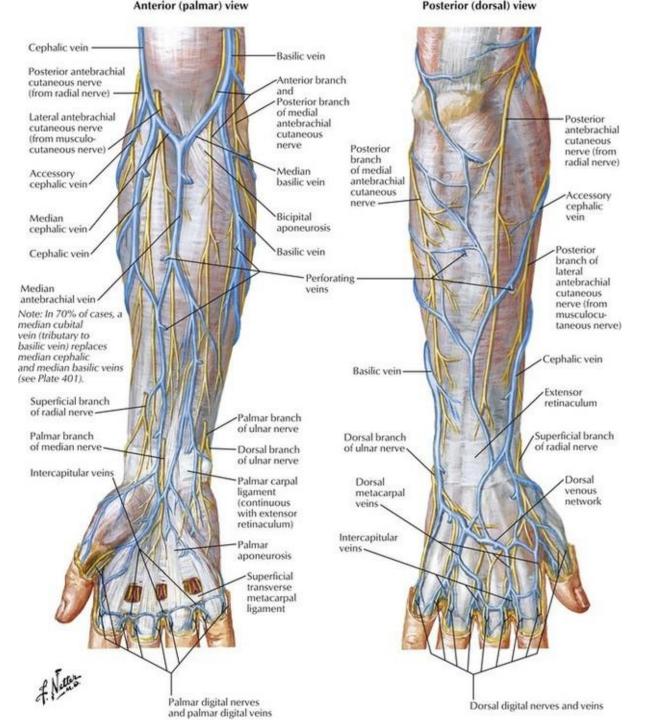


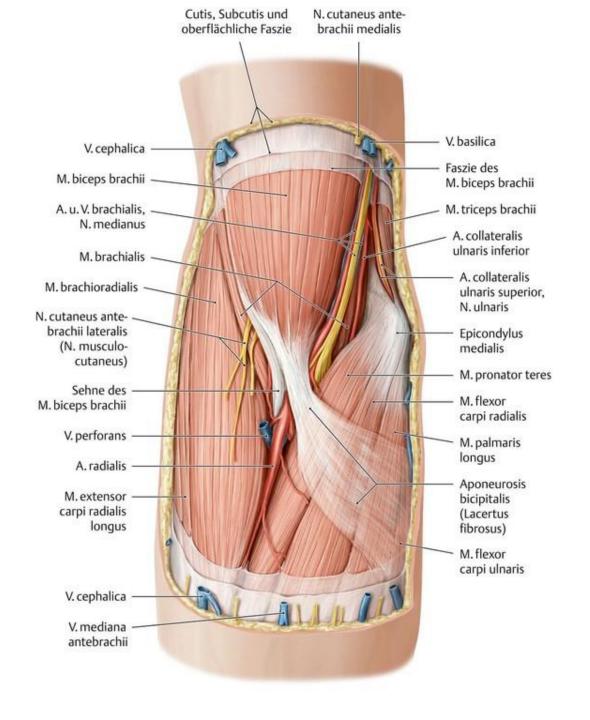


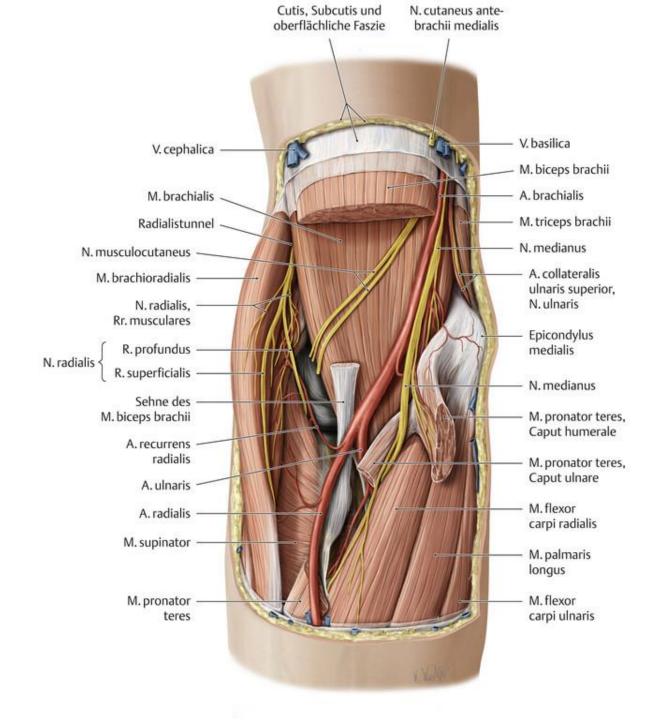


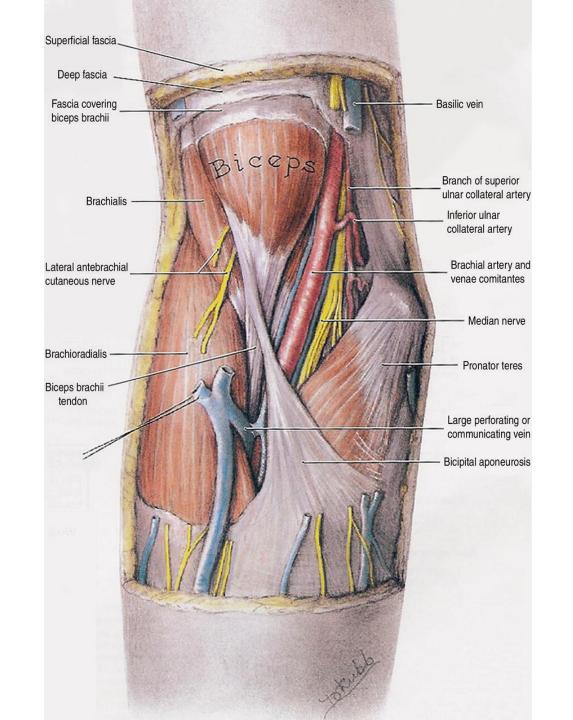


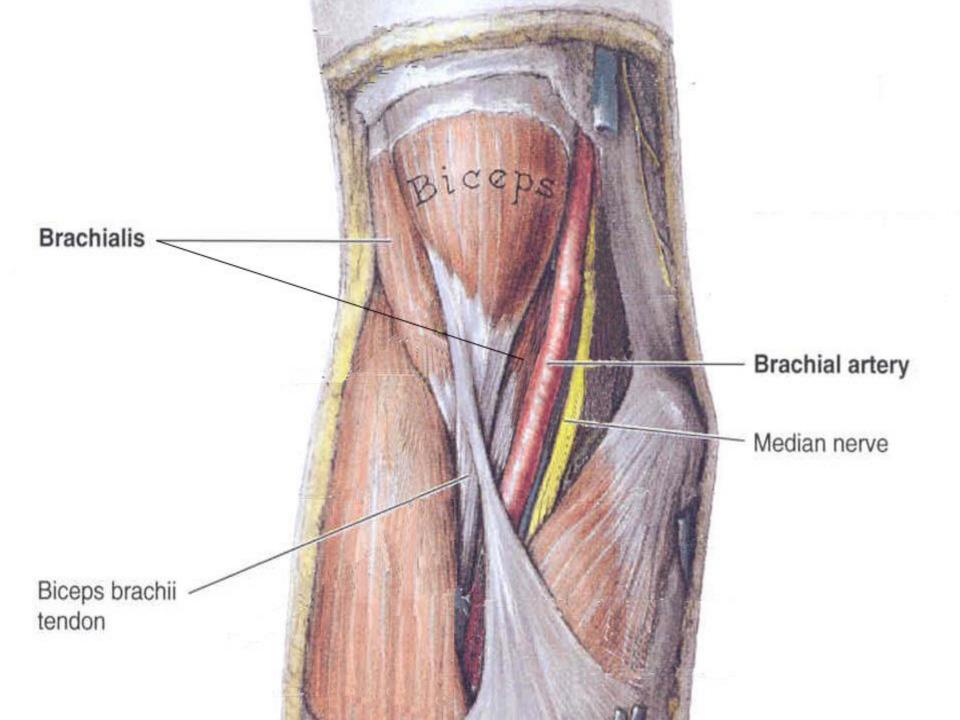


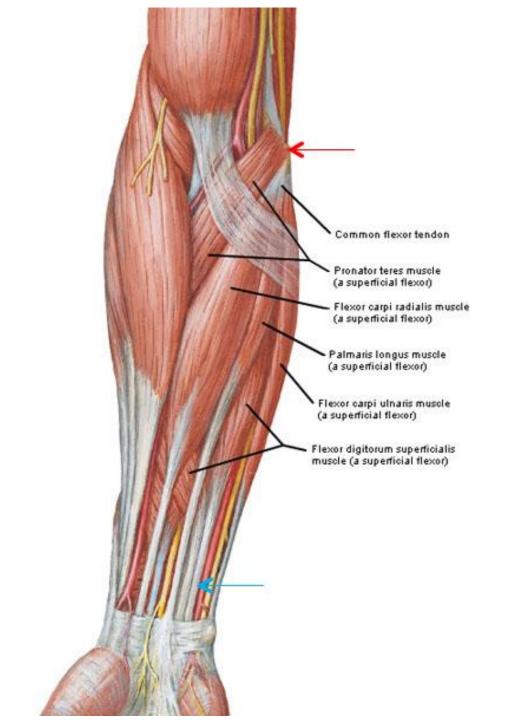


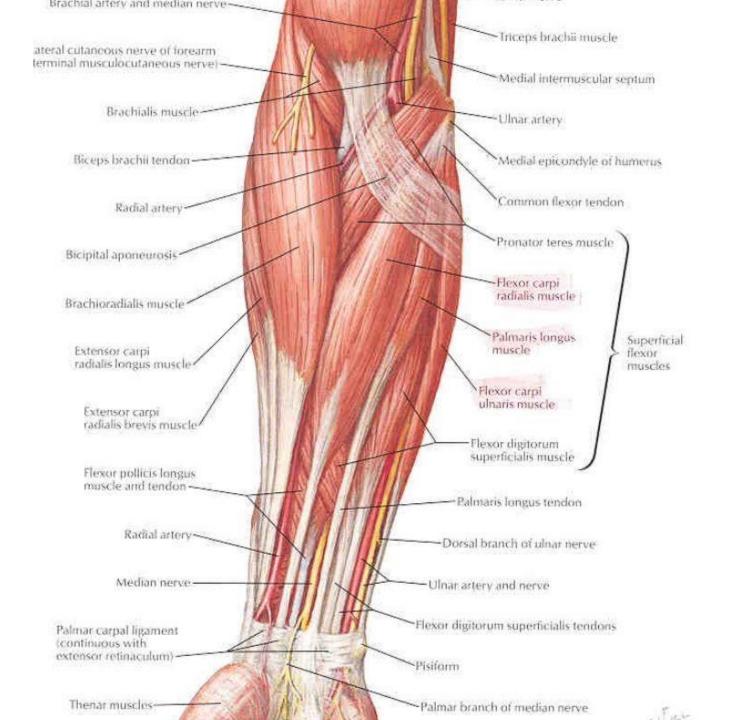


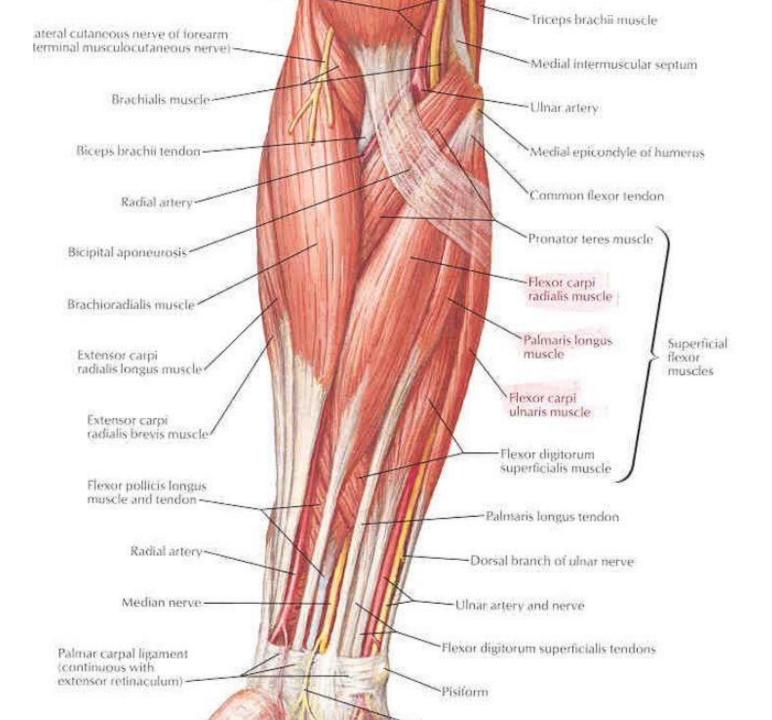


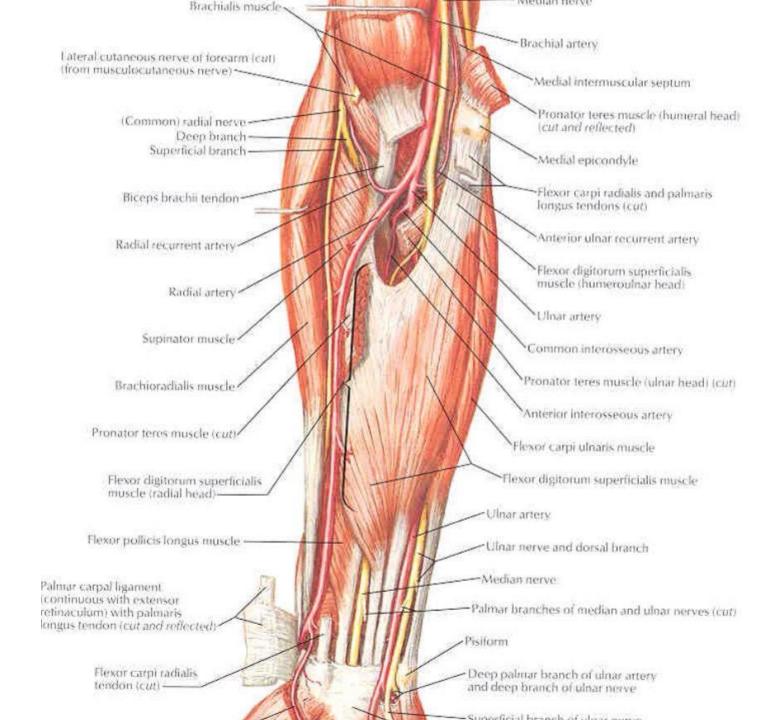


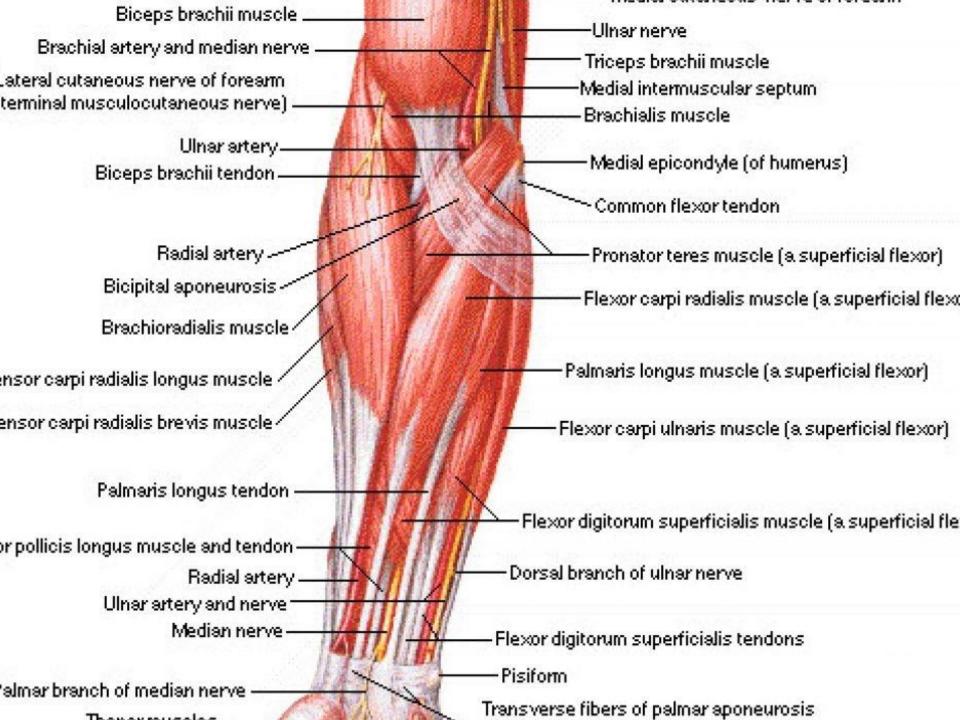


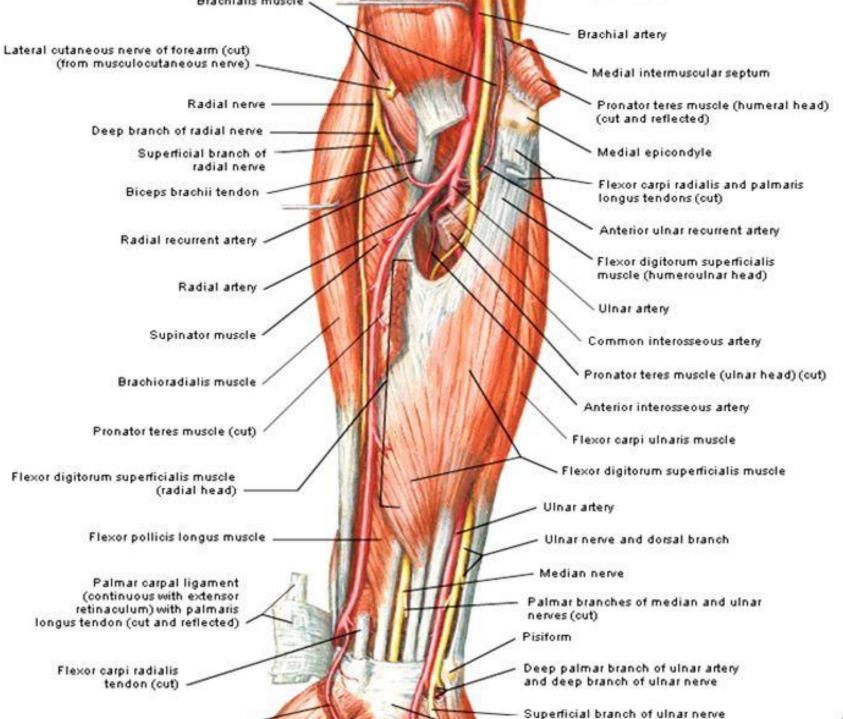


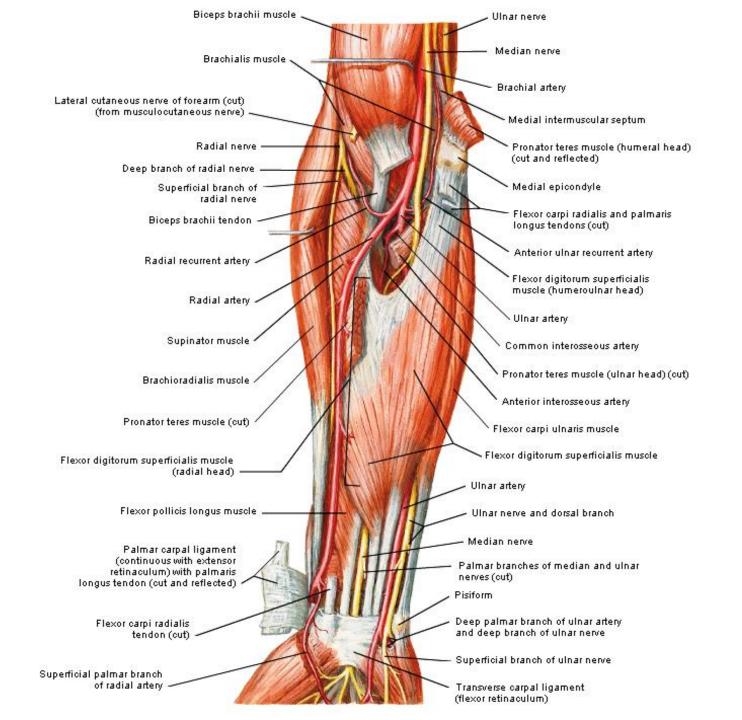


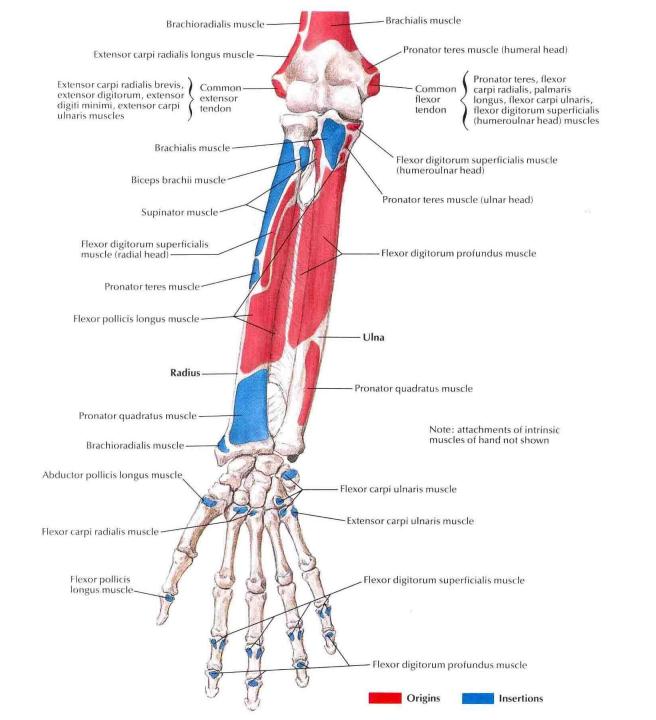


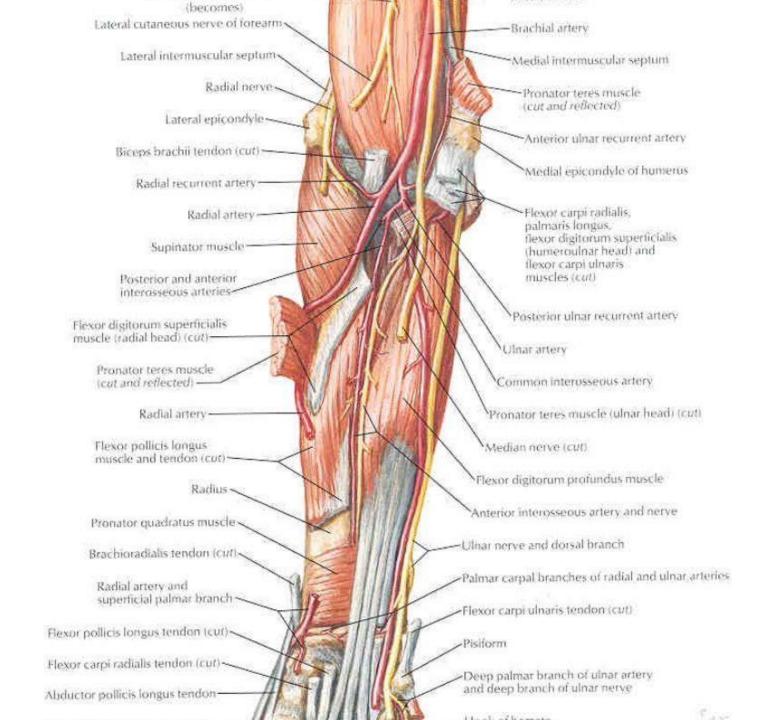


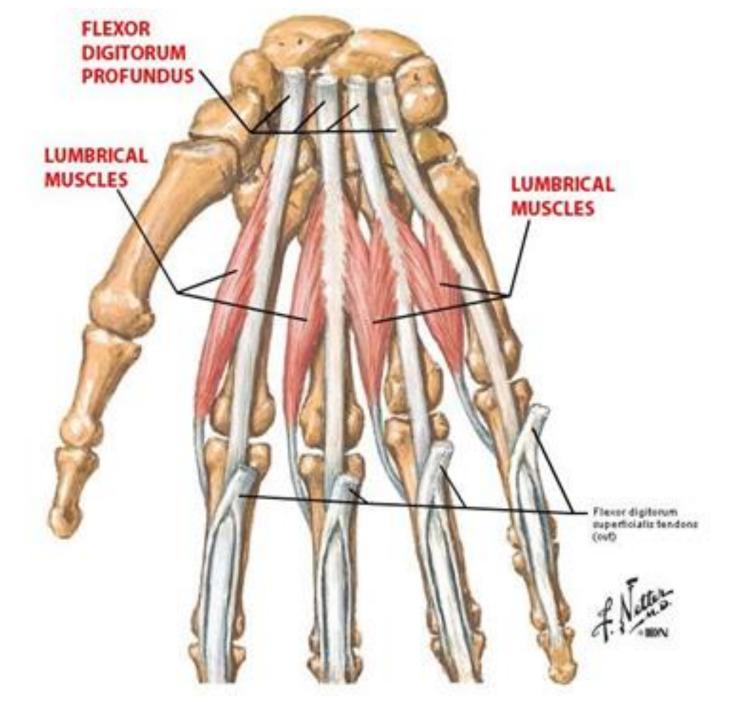


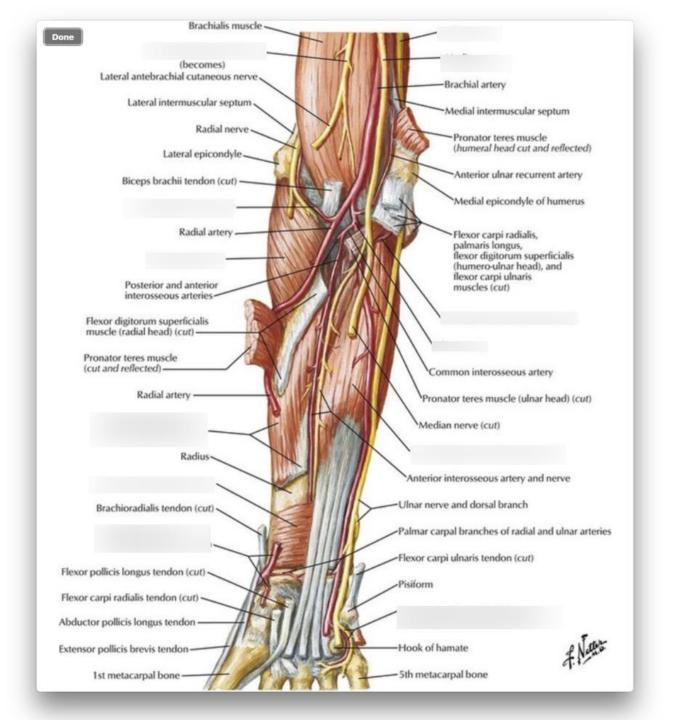






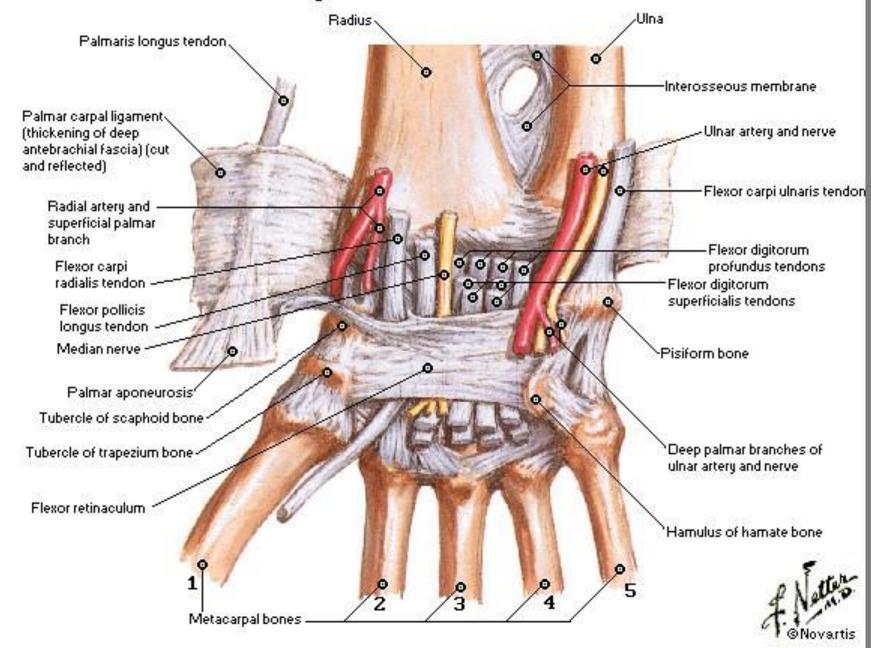


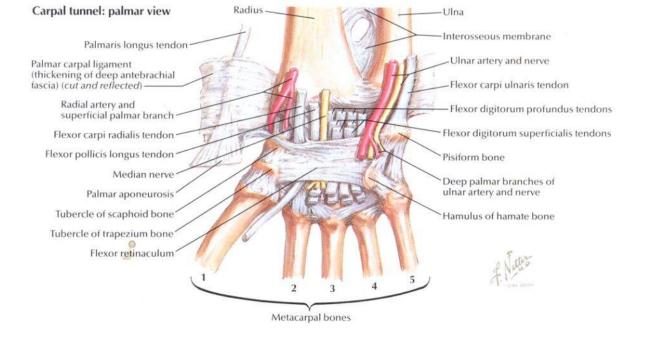


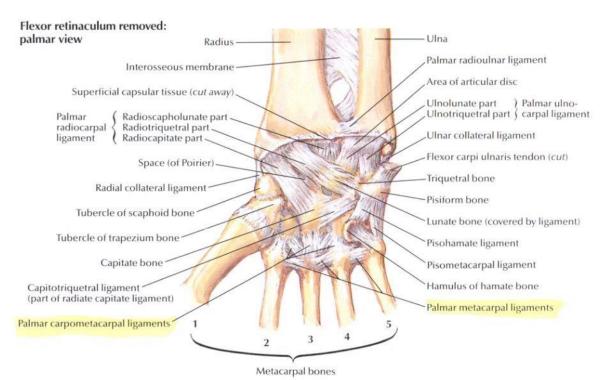


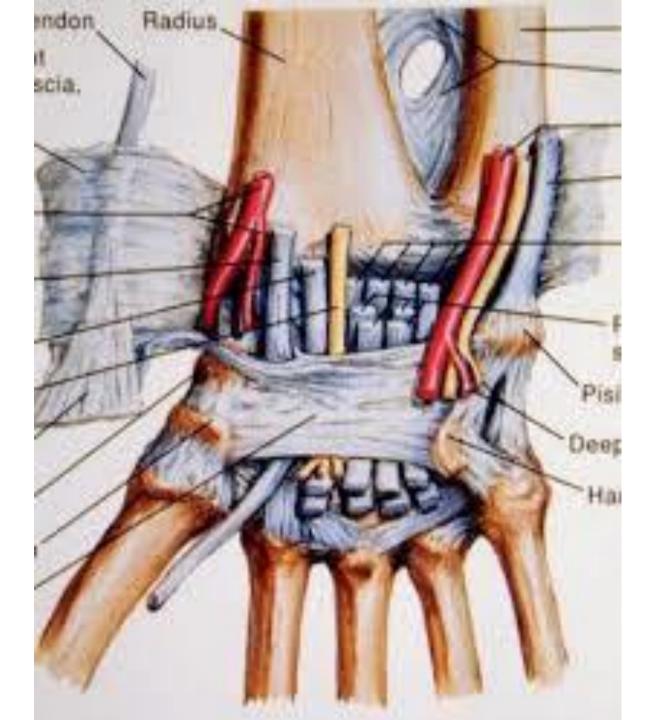
# Ligaments of Wrist

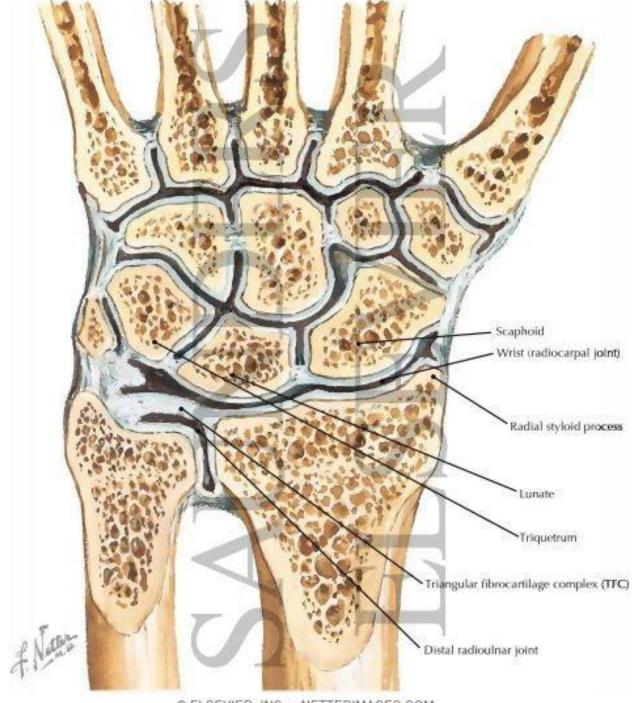
Carpal Tunnel - Palmar View



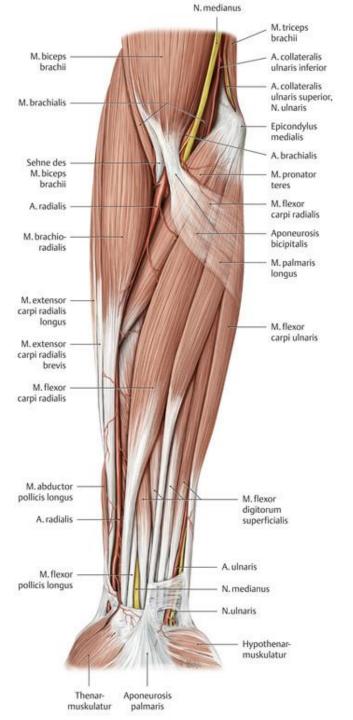


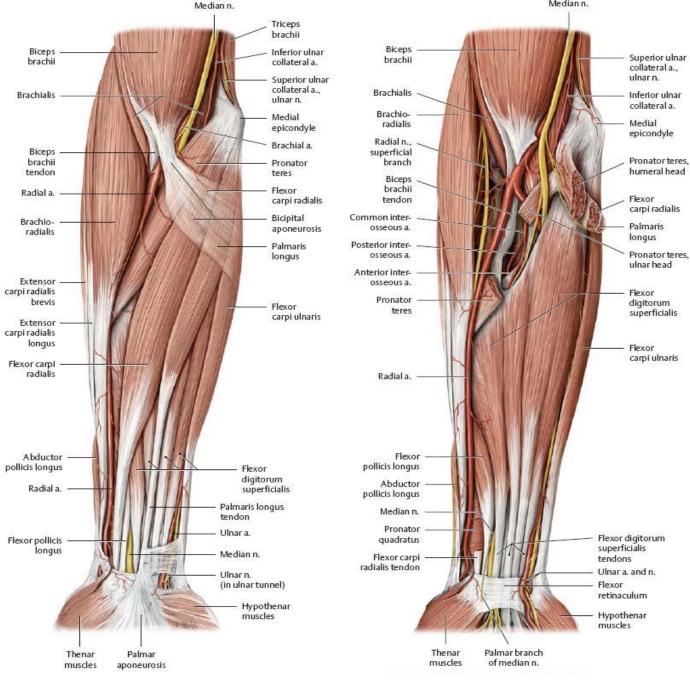






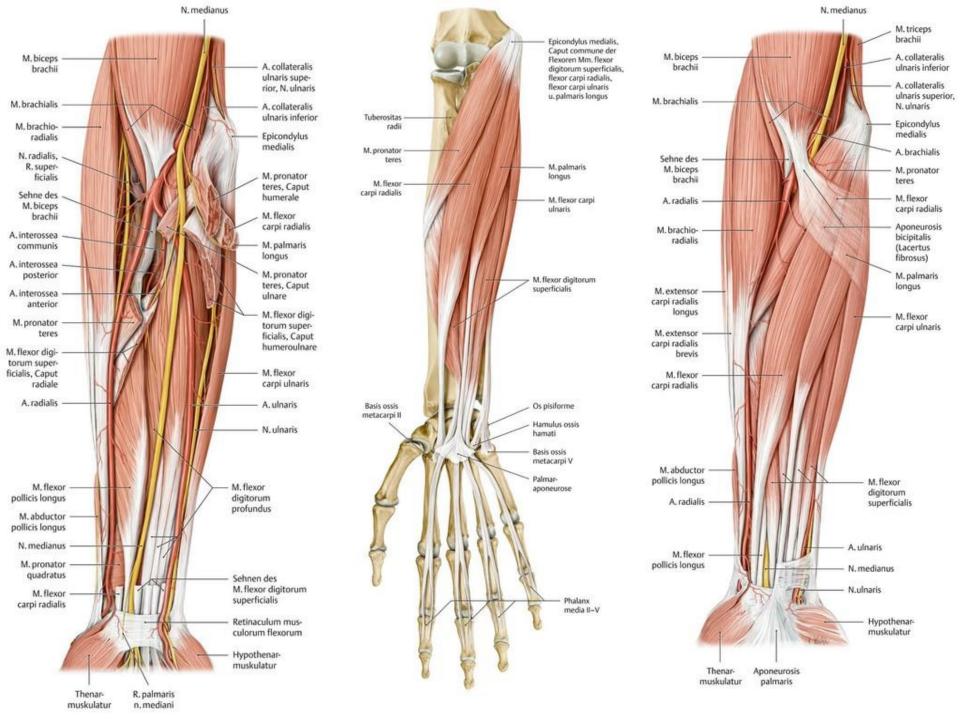
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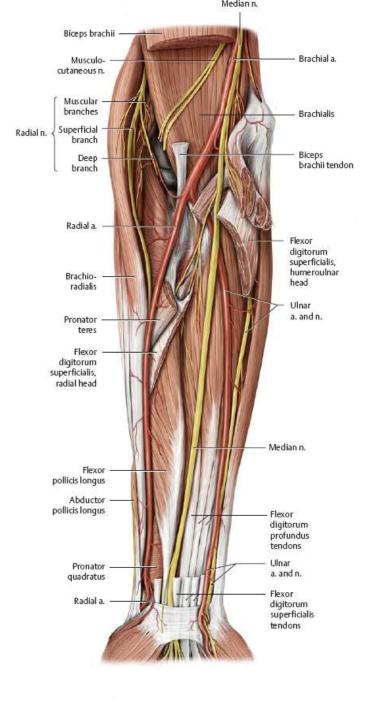


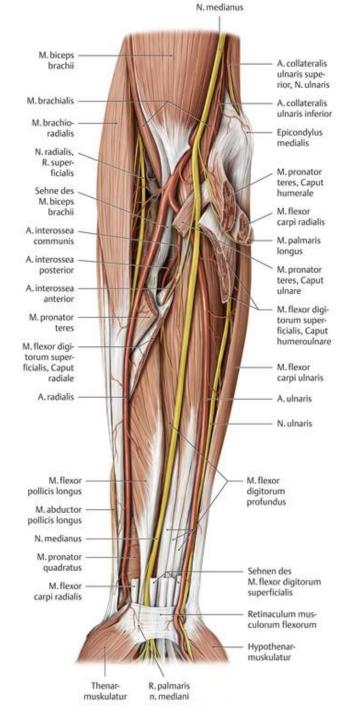


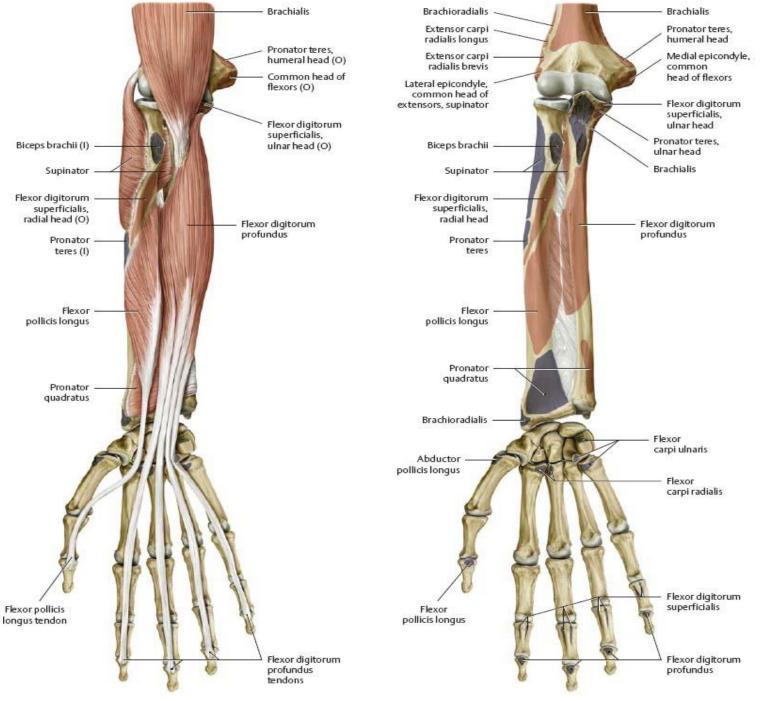
A Superficial layer. Removed: Fasciae and superficial neurovasculature.

B Middle layer. Partially removed: Superficial flexors (pronator teres, flexor digitorum superficialis, palmaris longus, and flexor carpi radialis).



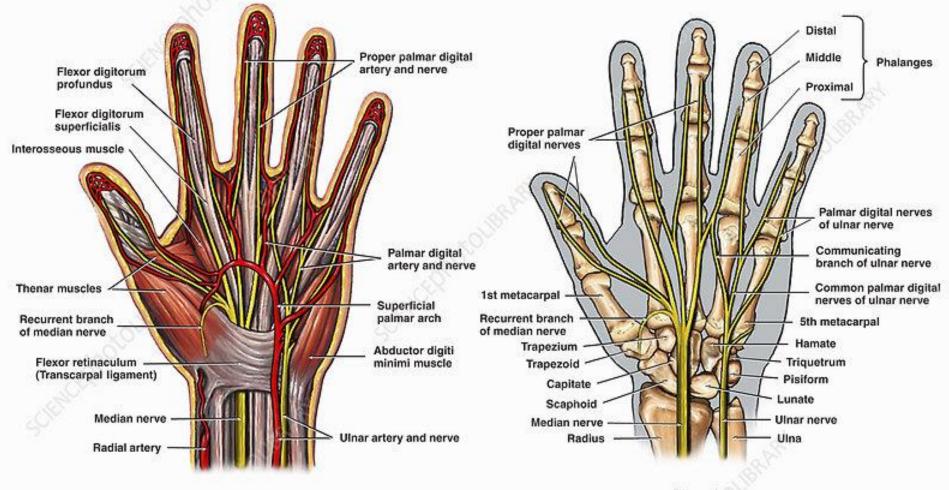






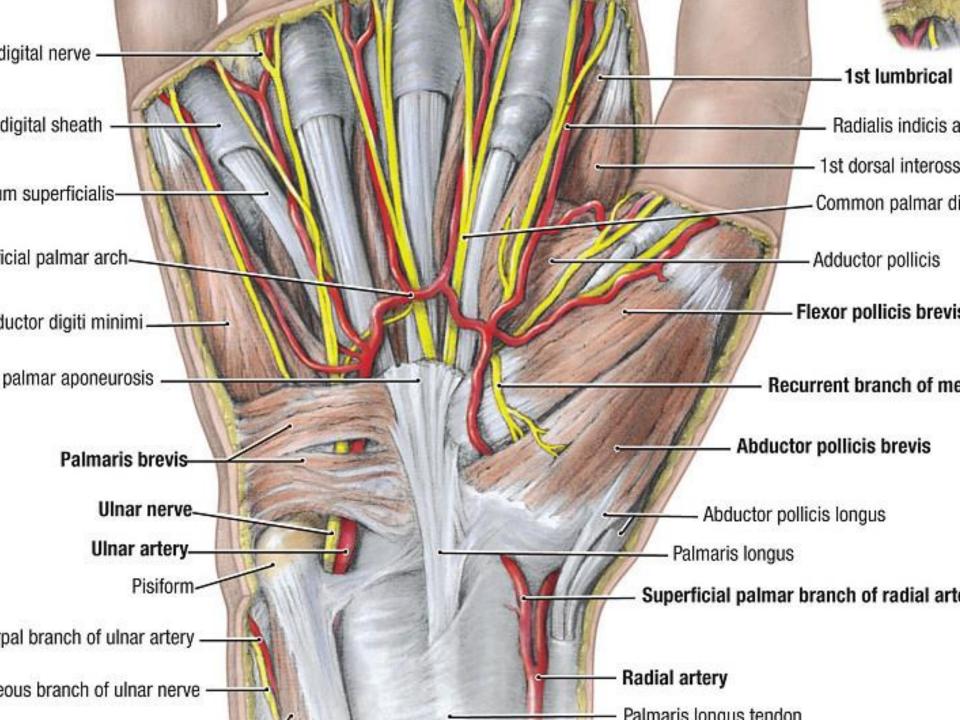
C Removed: Pronator teres and flexor digitorum superficialis.

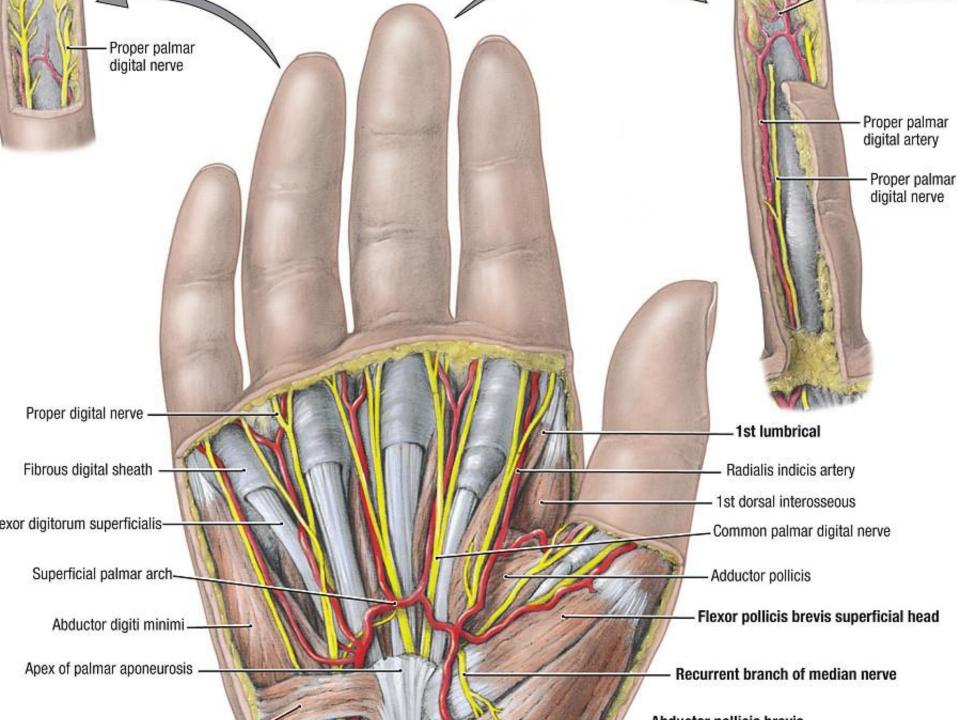
D Removed: Brachialis, supinator, pronator quadratus, and deep flexors.

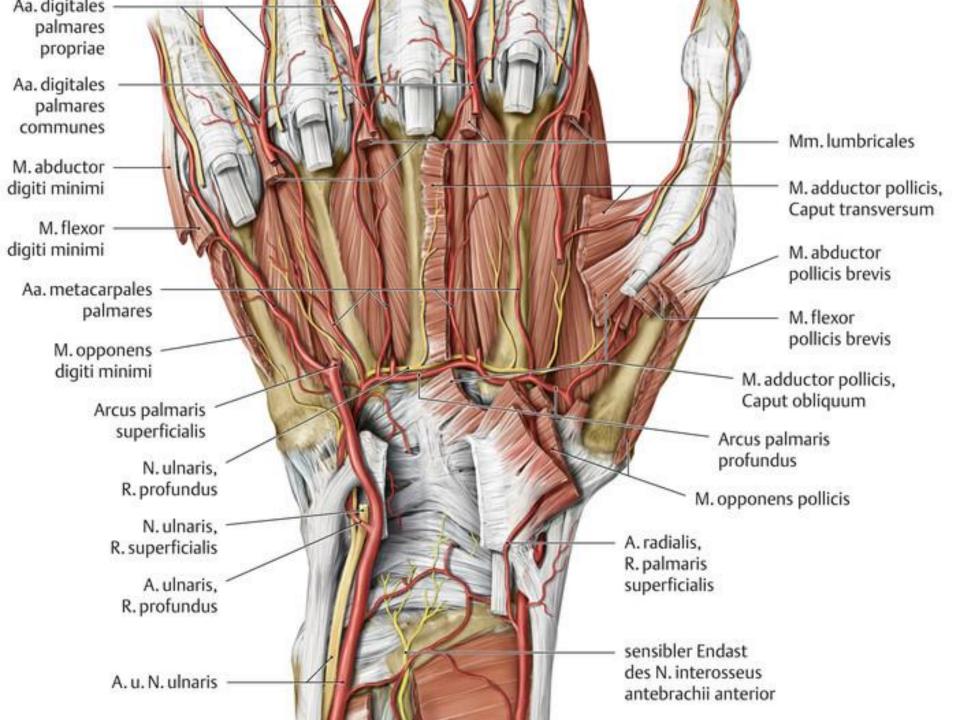


Palmar view

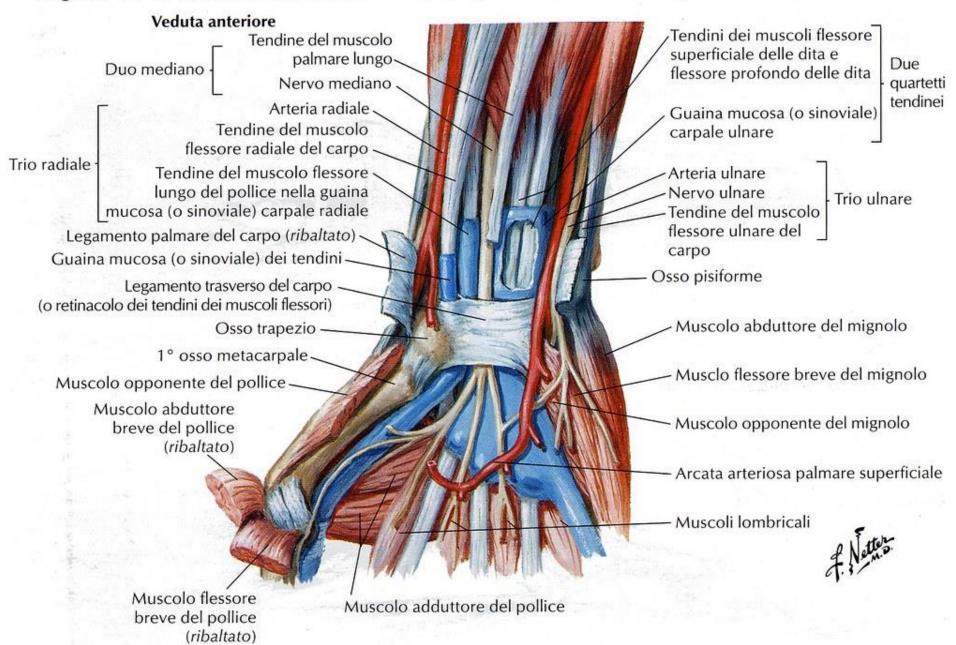
Palmar view

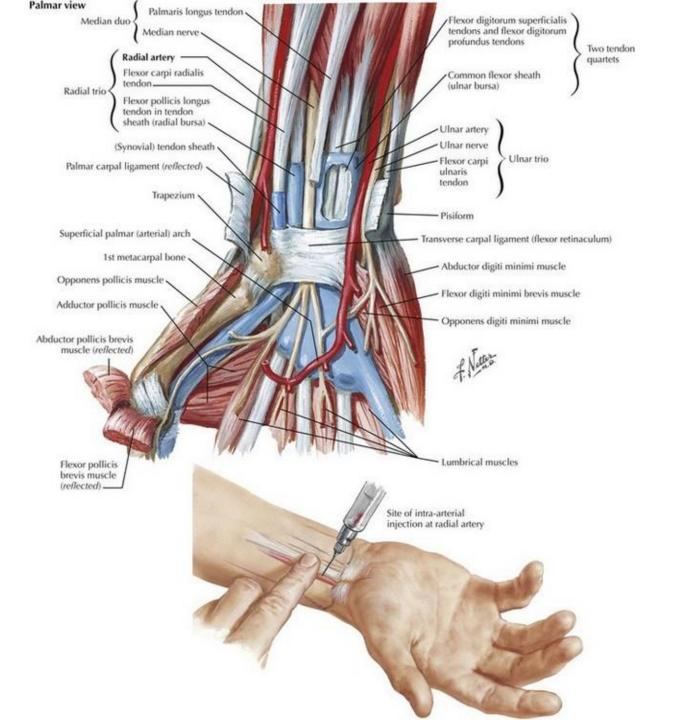


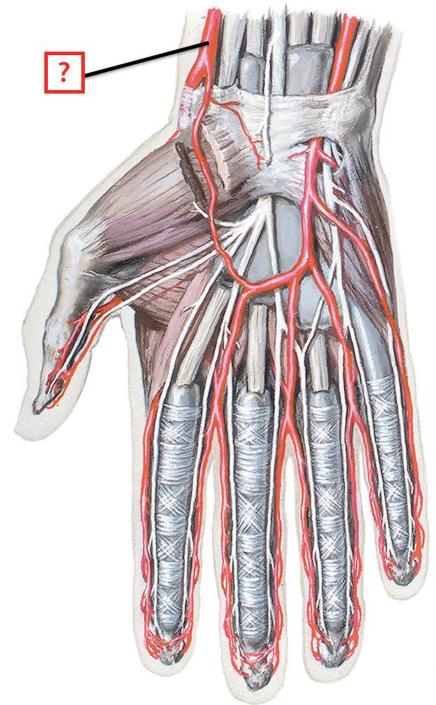




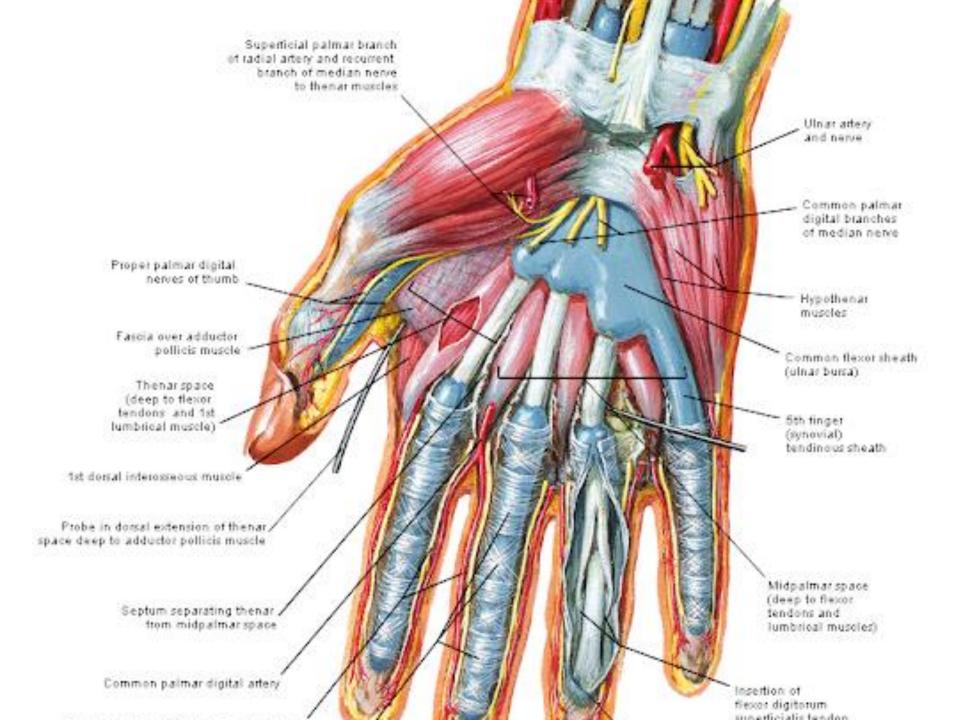
## Figura 16-3: Tendini dei muscoli flessori, arterie e nervi al polso





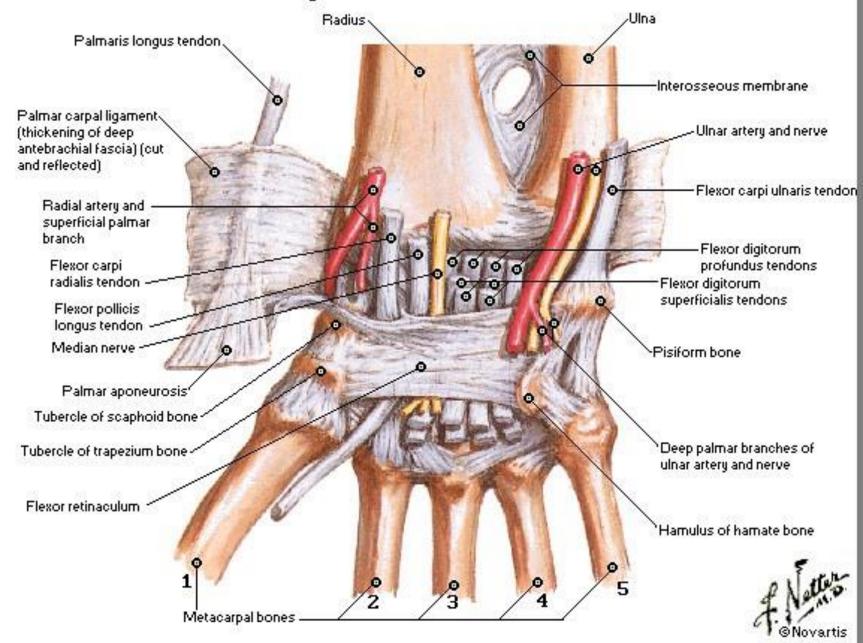


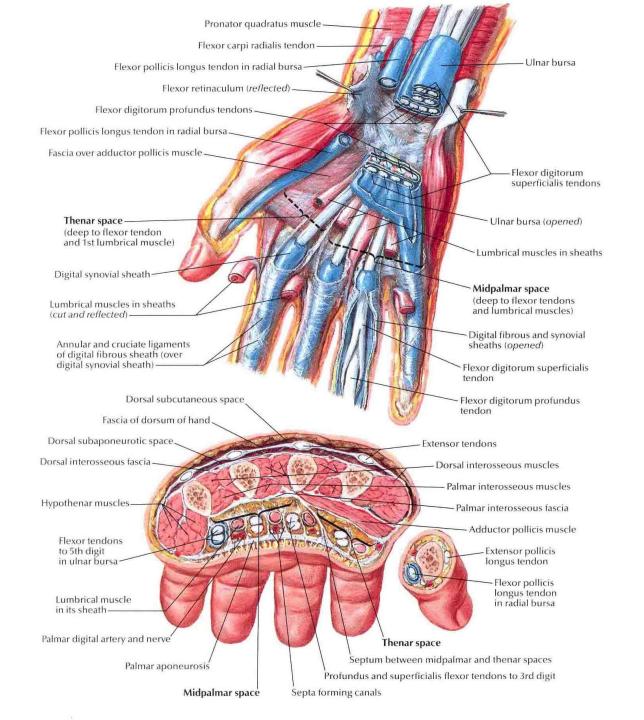
A Nather

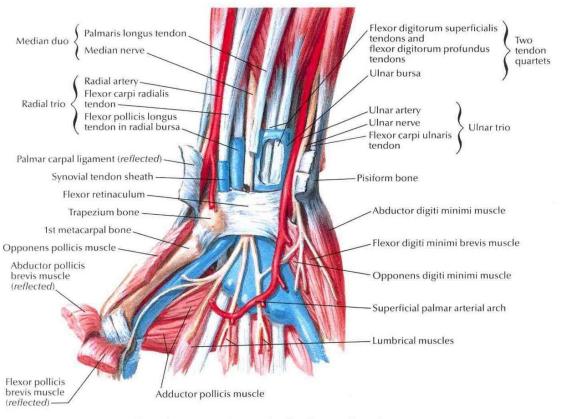


## Ligaments of Wrist

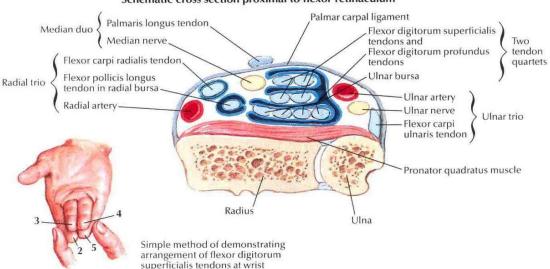
Carpal Tunnel - Palmar View

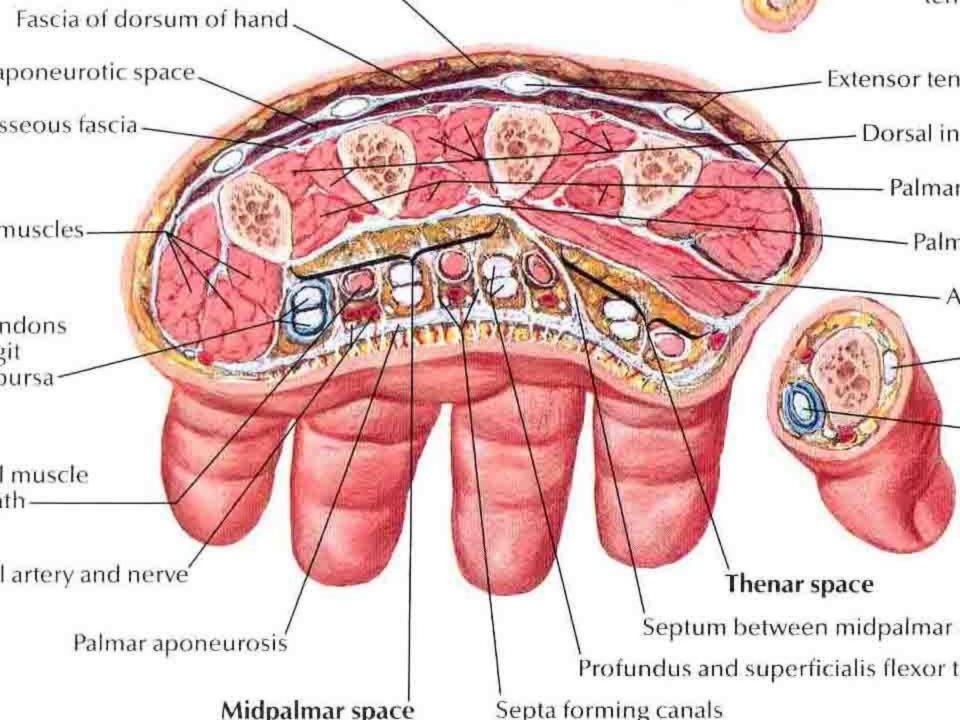


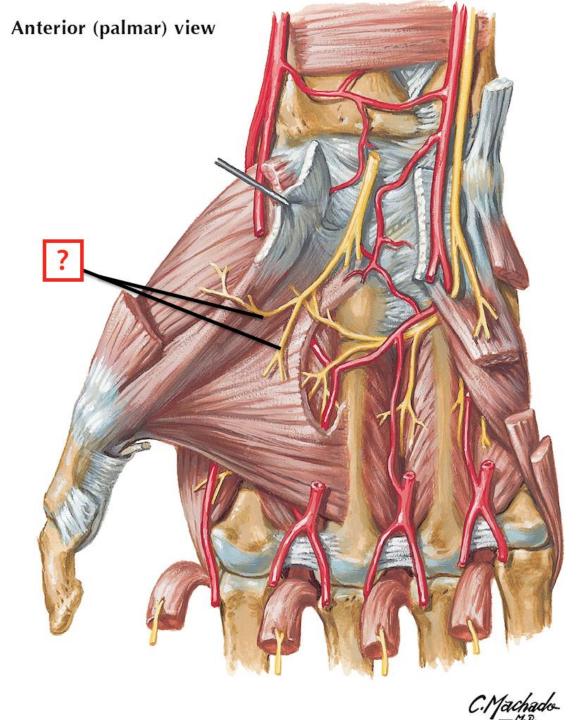


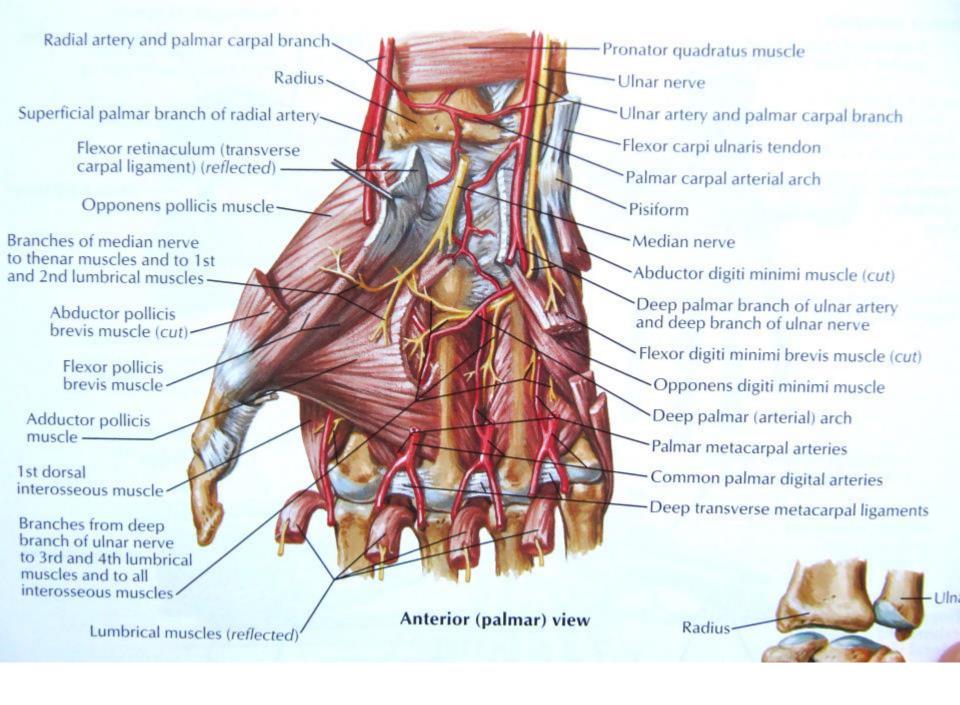


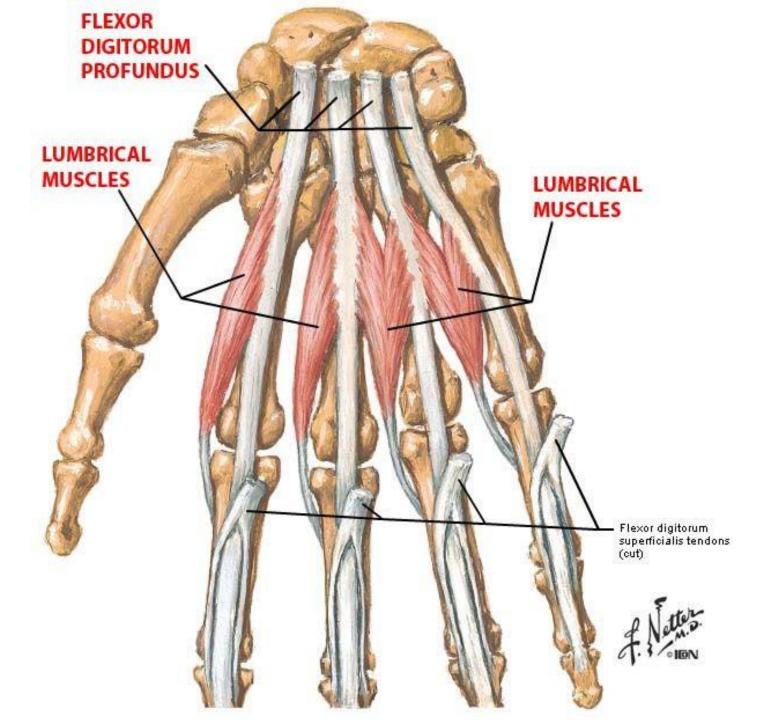
#### Schematic cross section proximal to flexor retinaculum

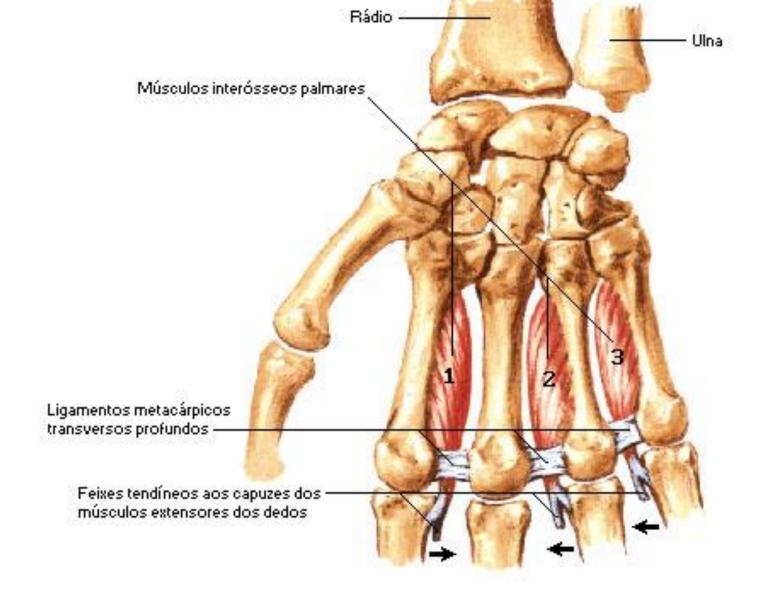


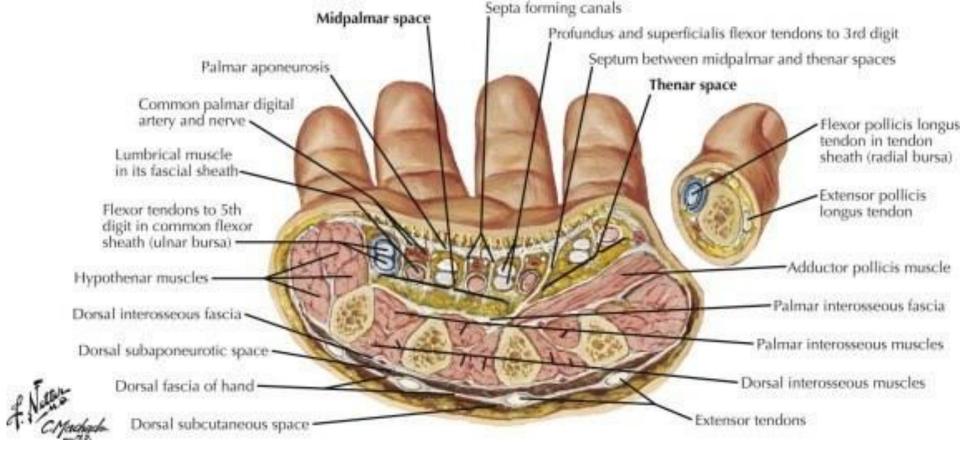


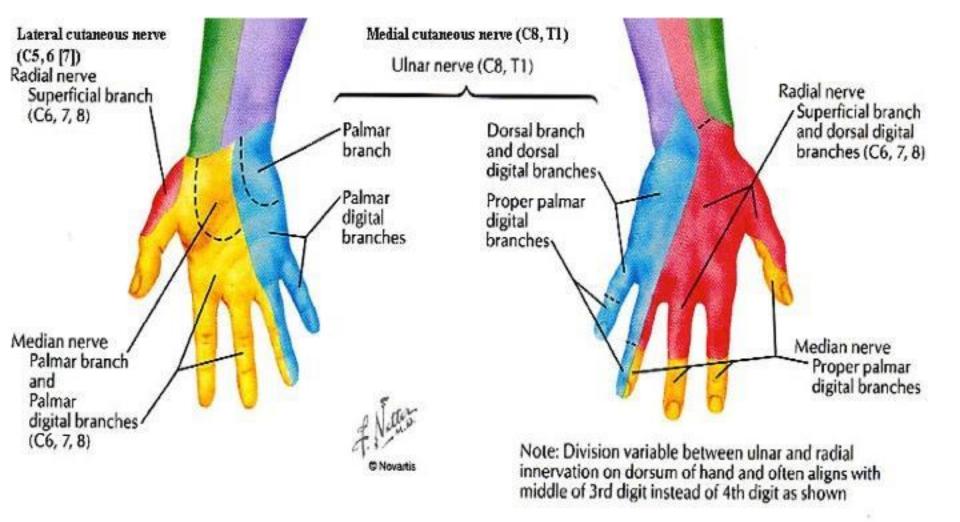




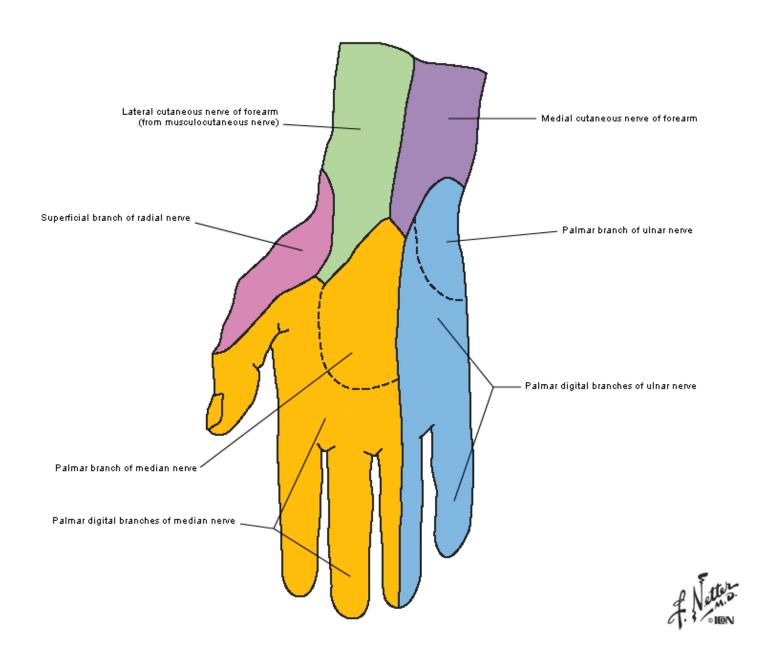




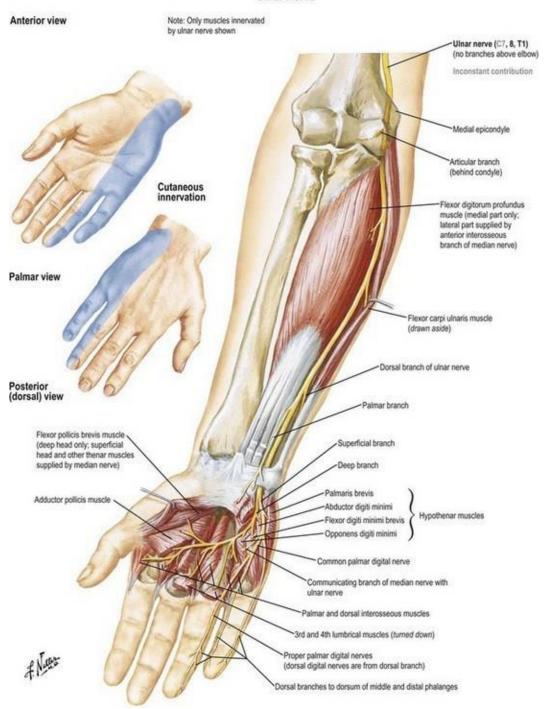


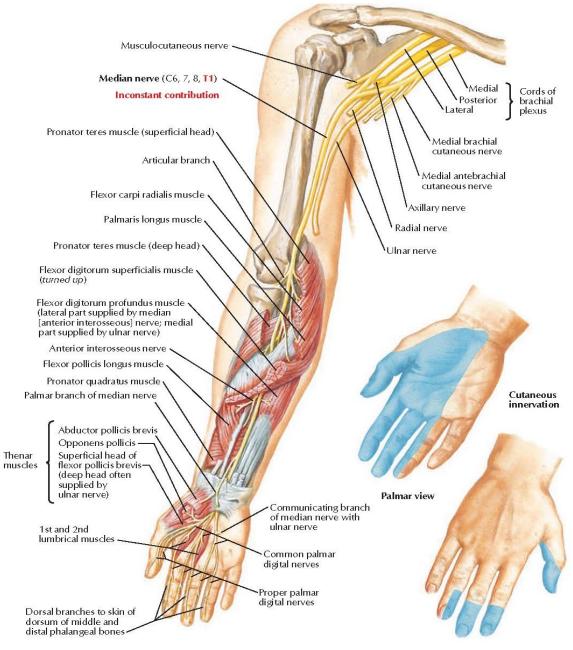


### Cutaneous Innervation of Wrist and Hand Anterior (Palmar) View

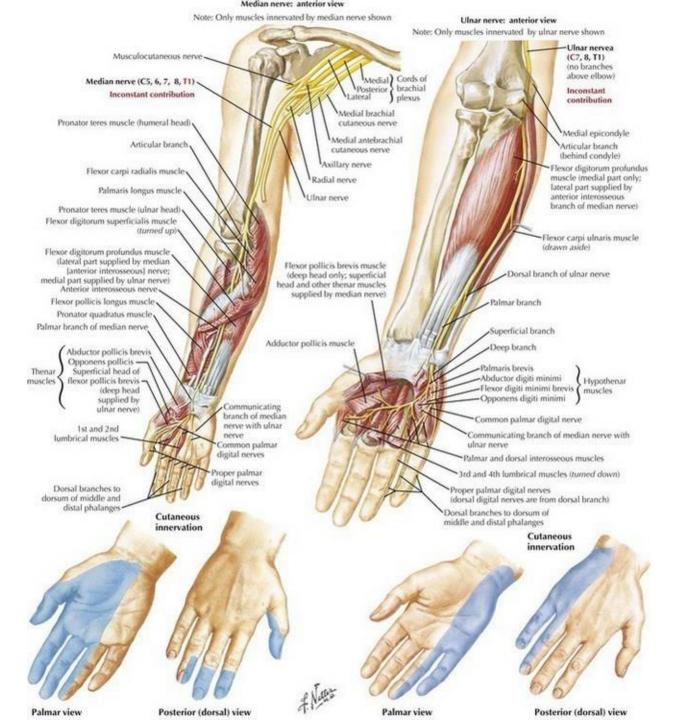


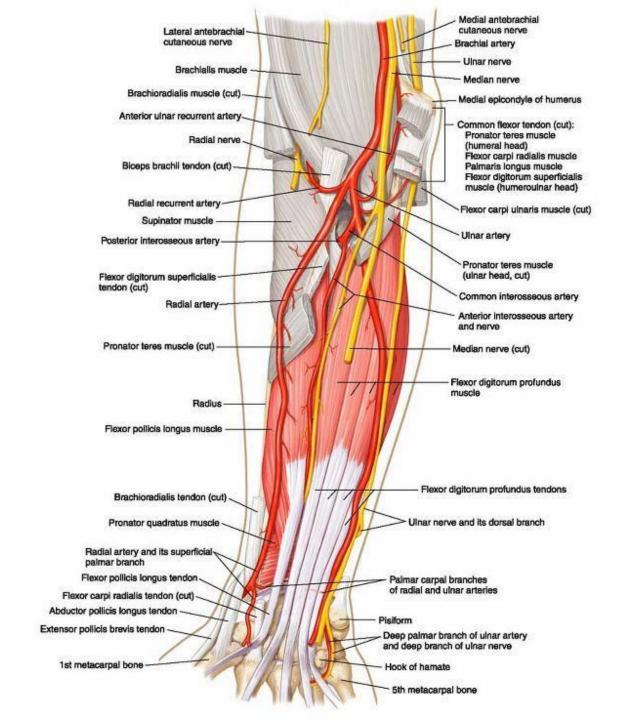
#### Ulnar Nerve

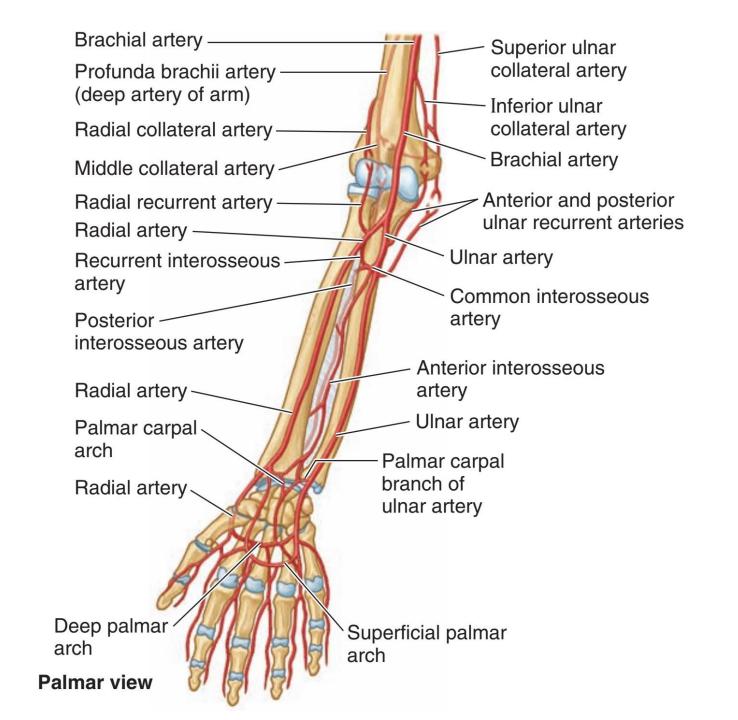


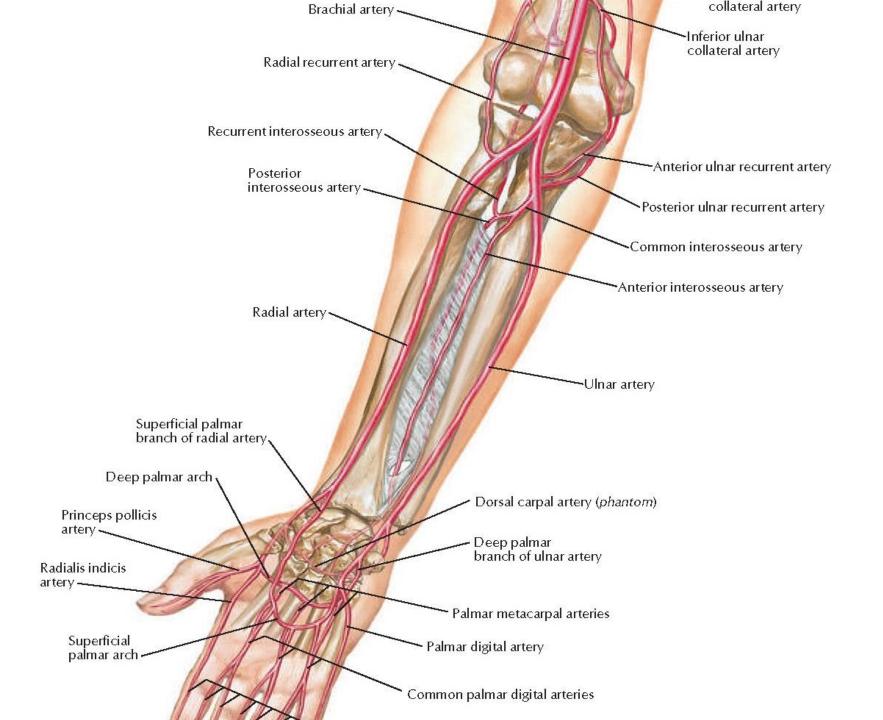


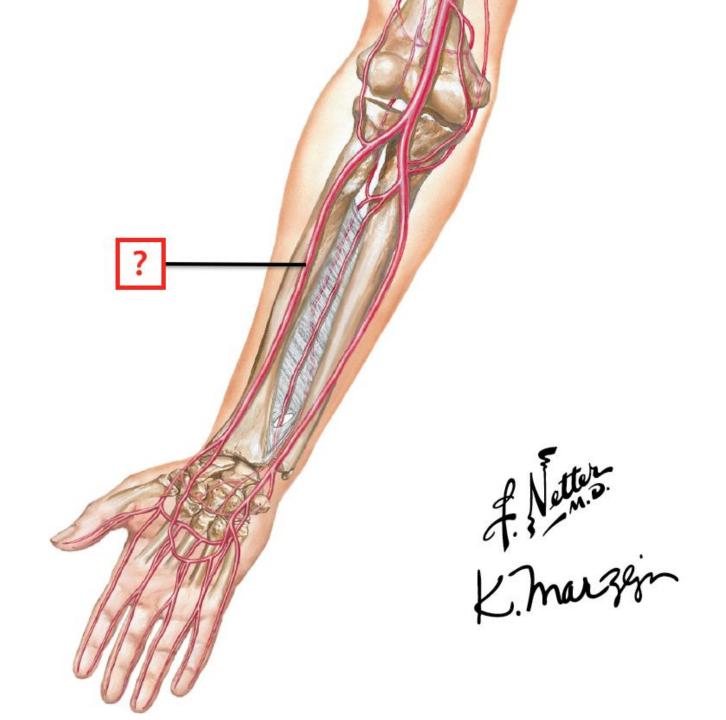
Posterior (dorsal) view

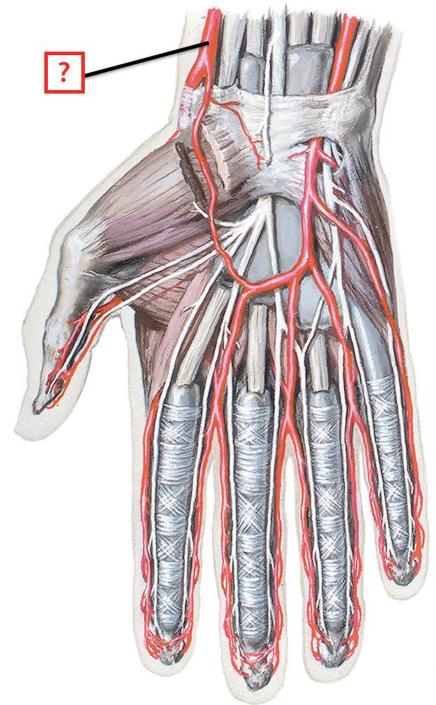






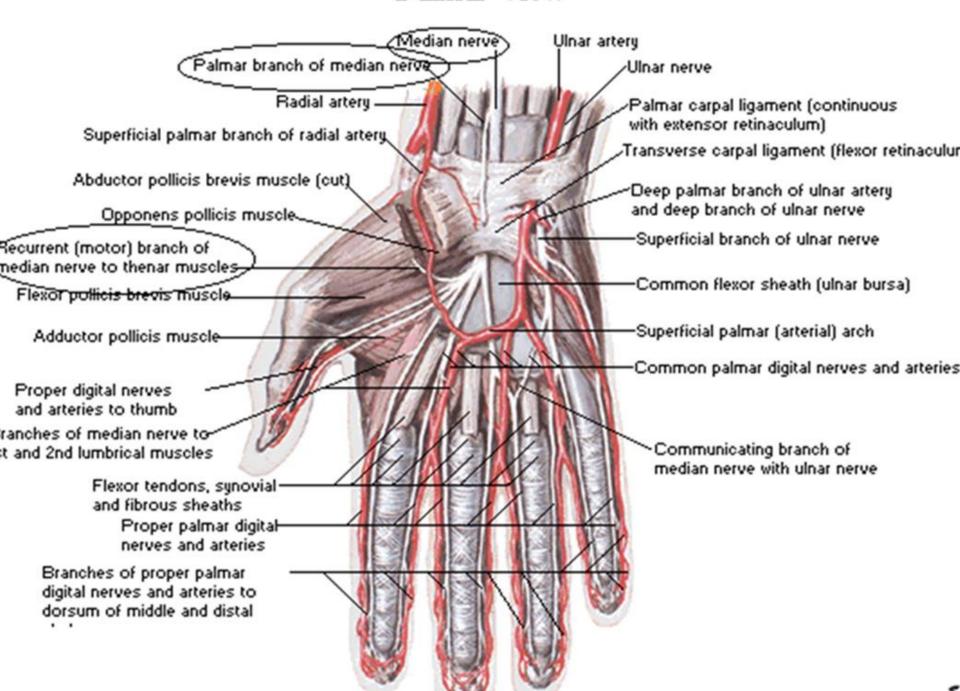






A Nather

## Palmar View

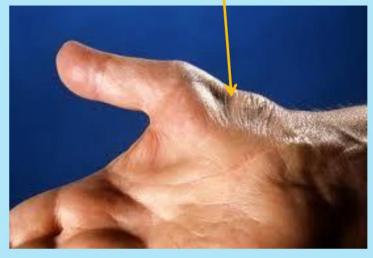


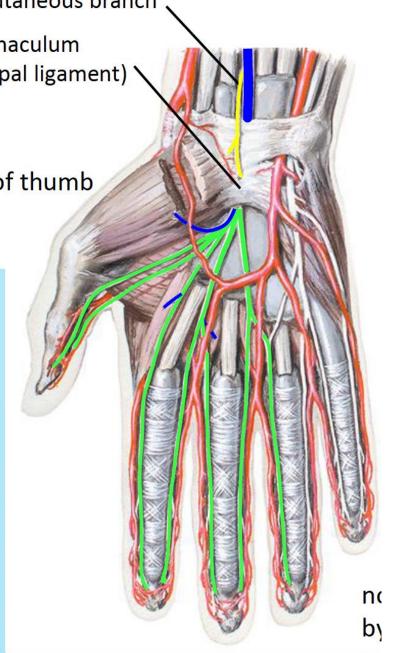
palmar cutaneous branch,
flexor retinaculum
(transverse carpal ligament)

Recurrent branch: —

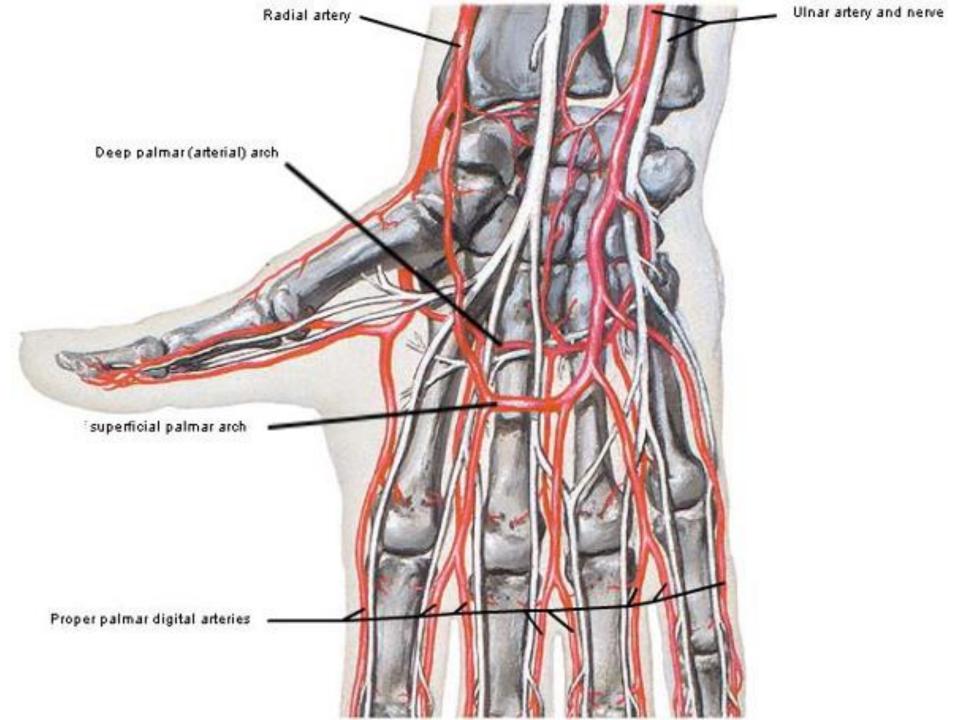
- motor test: opposition of thumb

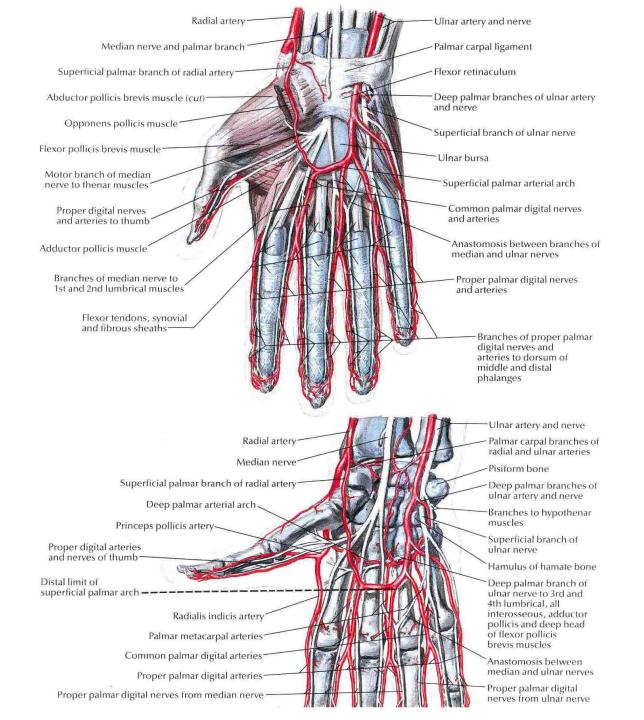
'ape hand' deformity:
atrophy of thenar eminence;
reflects loss of thenar mm

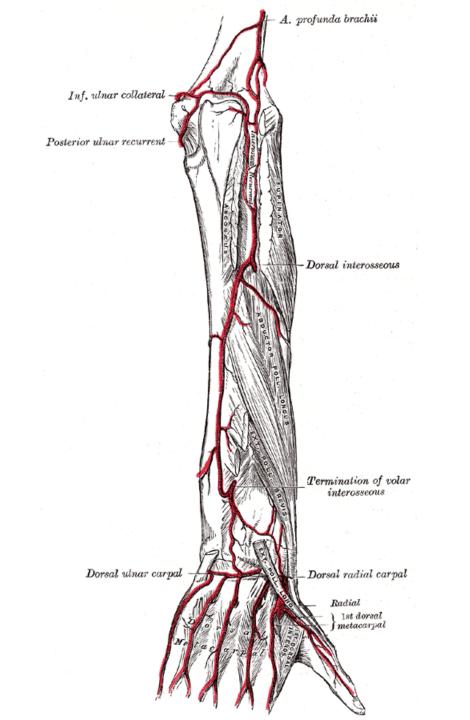


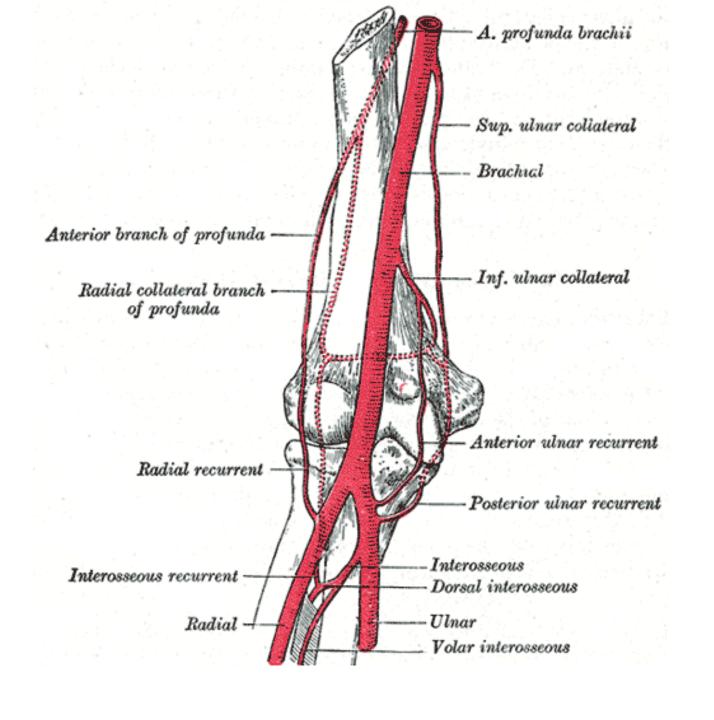


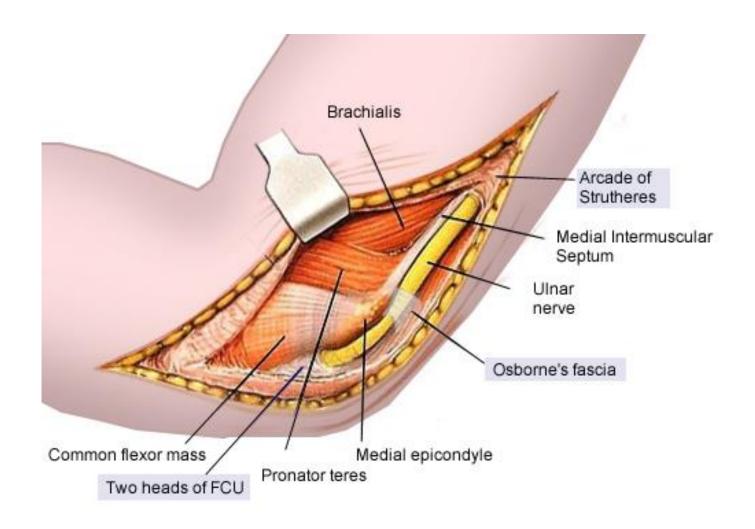
Ca

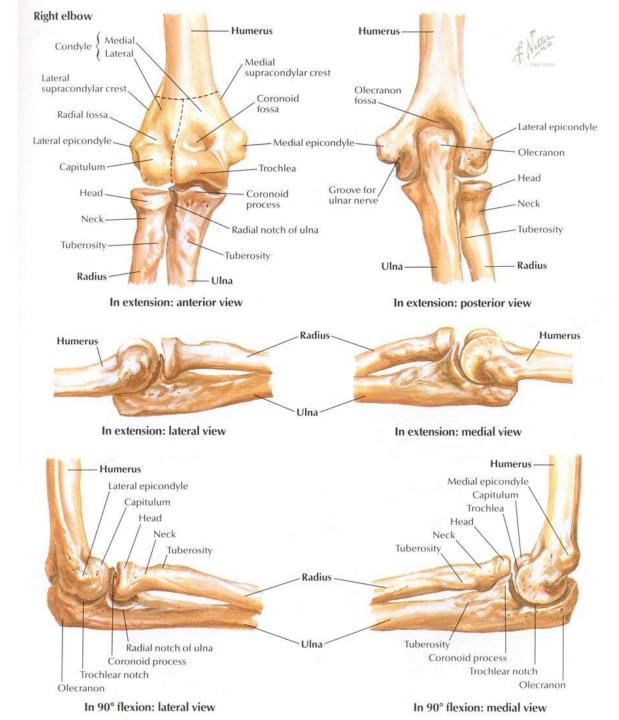


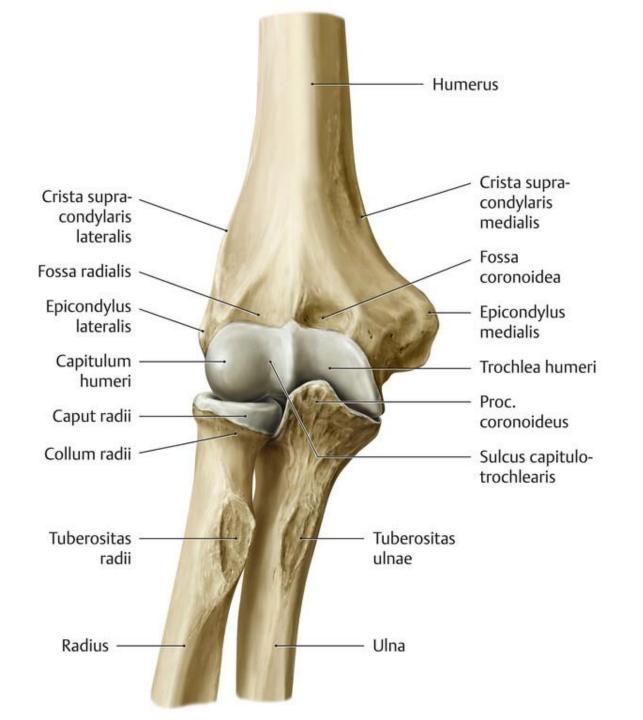


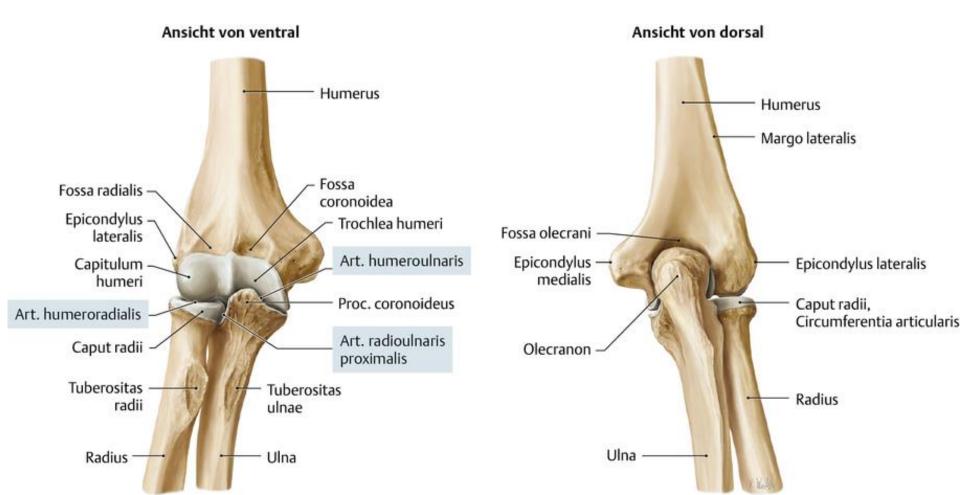


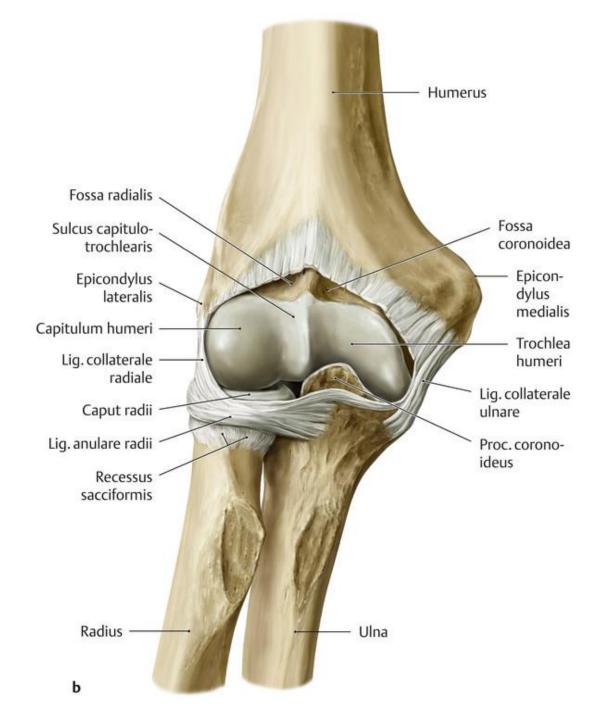


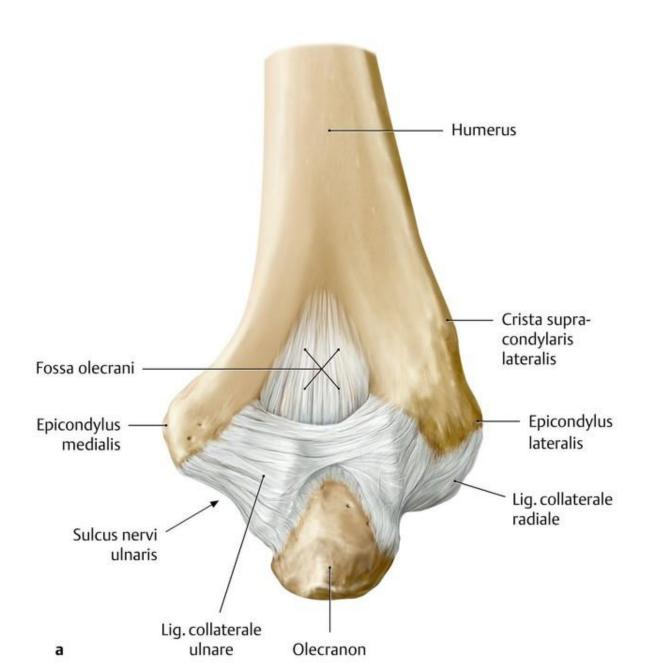


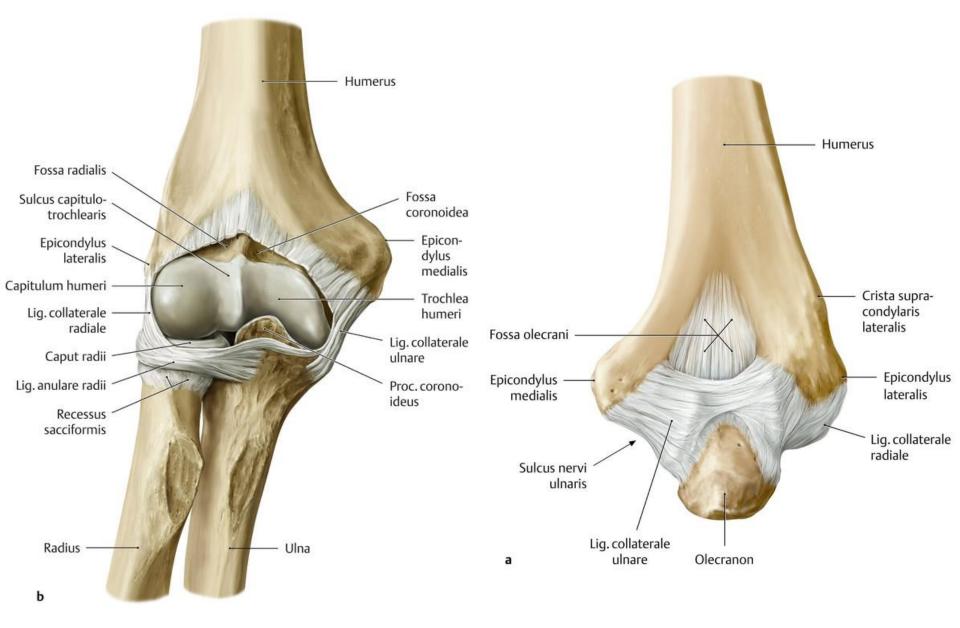


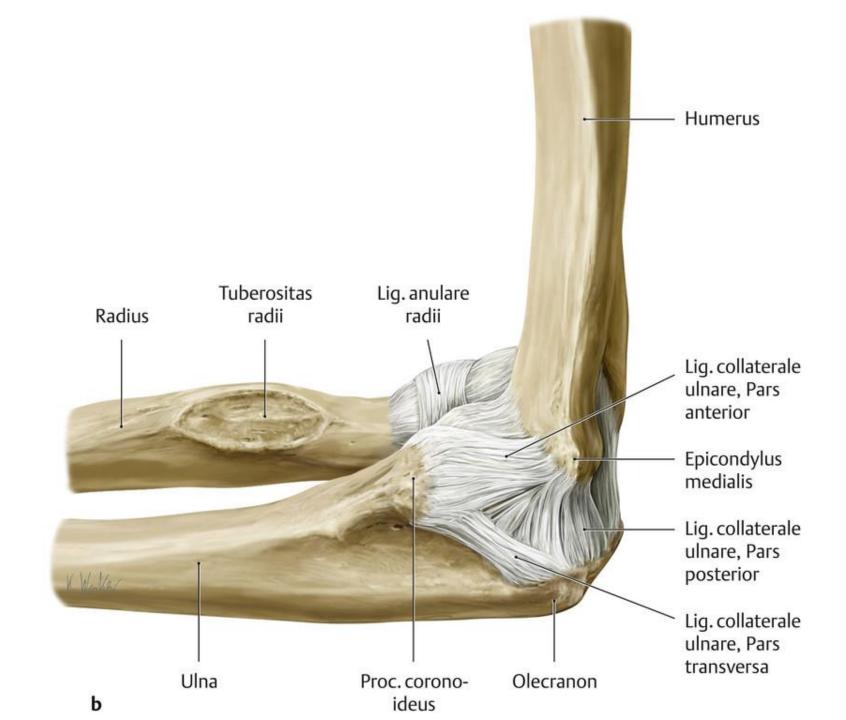


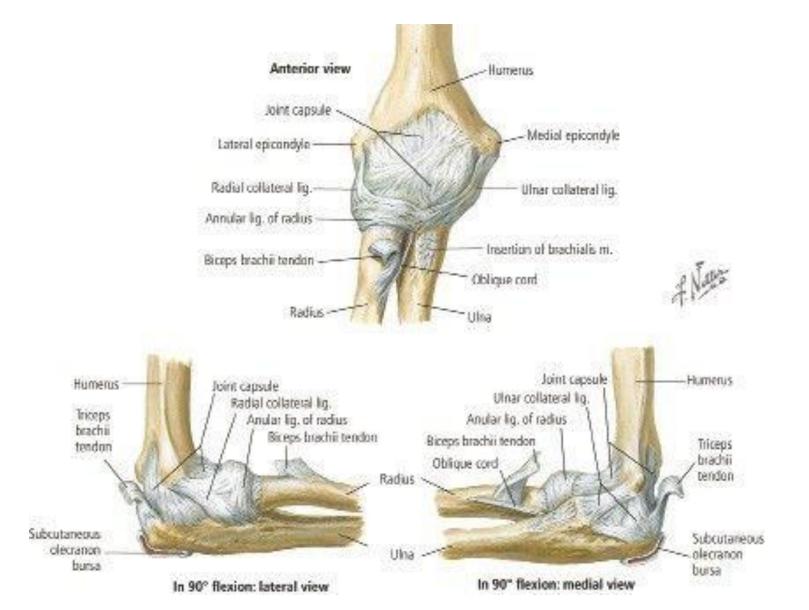


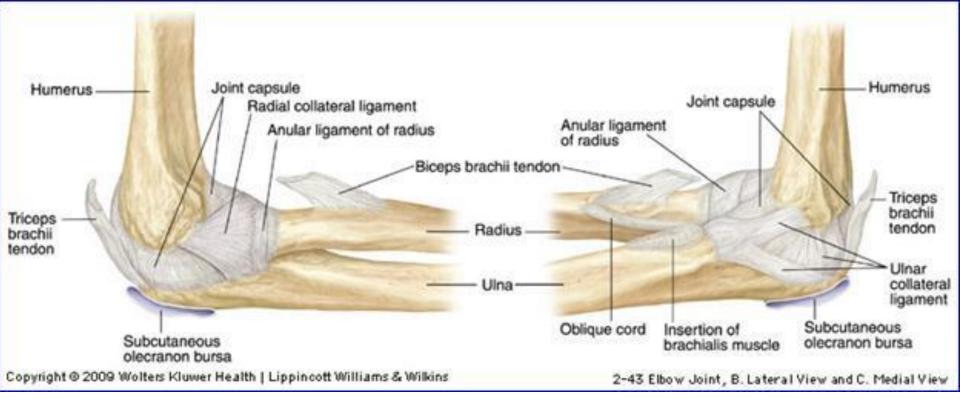


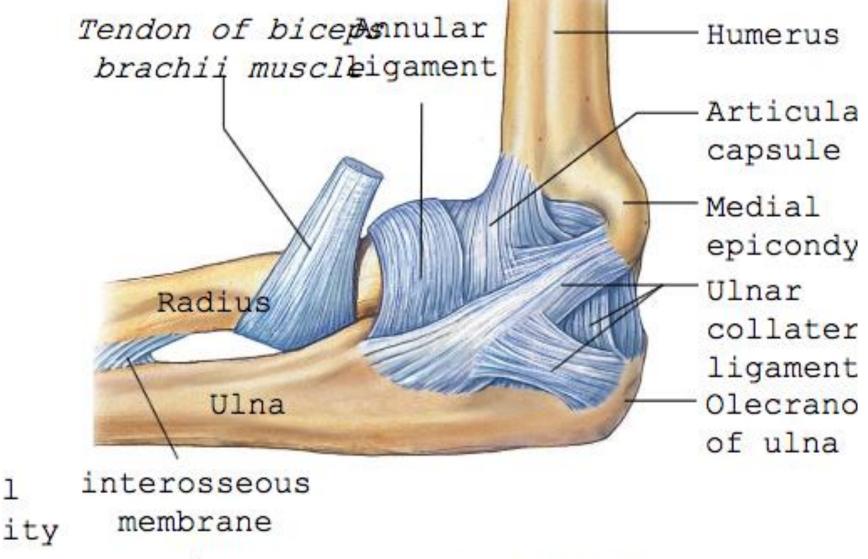






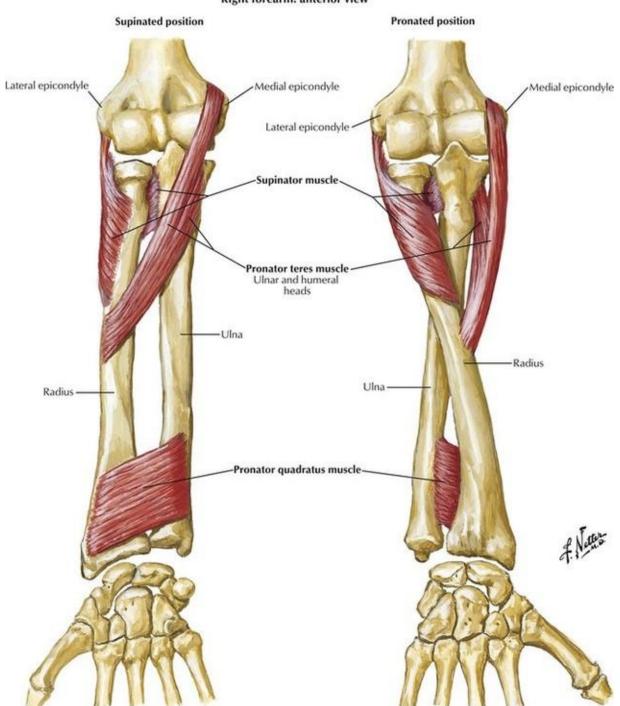


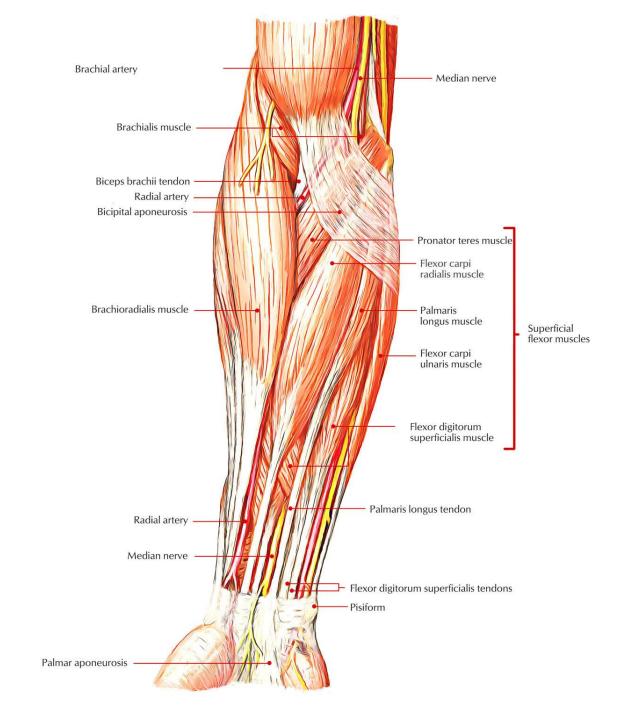




Medial view

Right forearm: anterior view





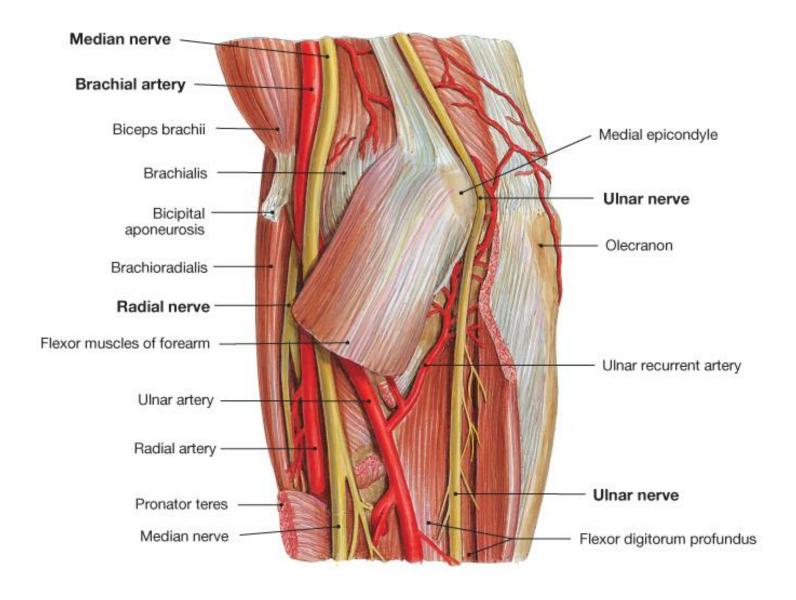
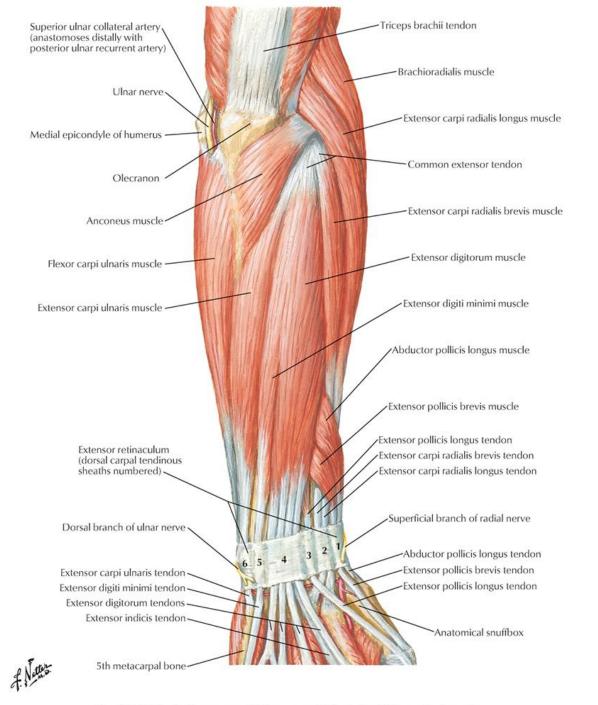
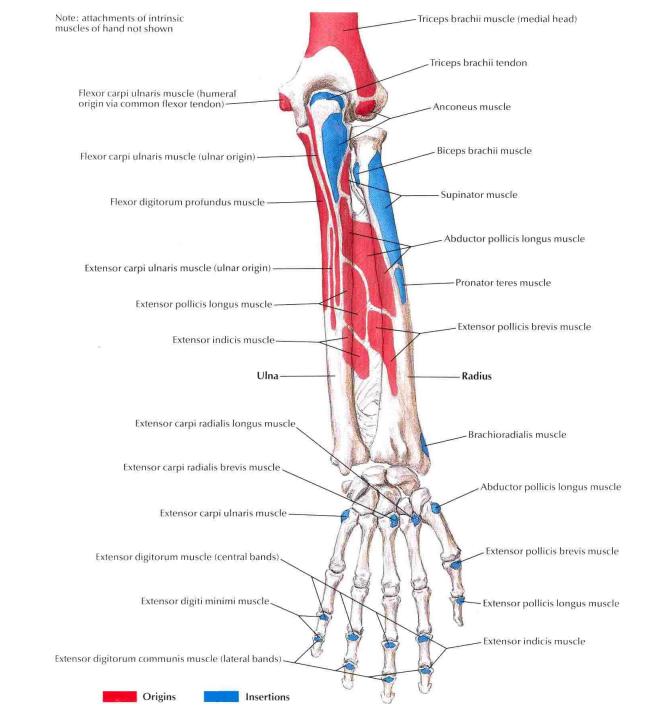


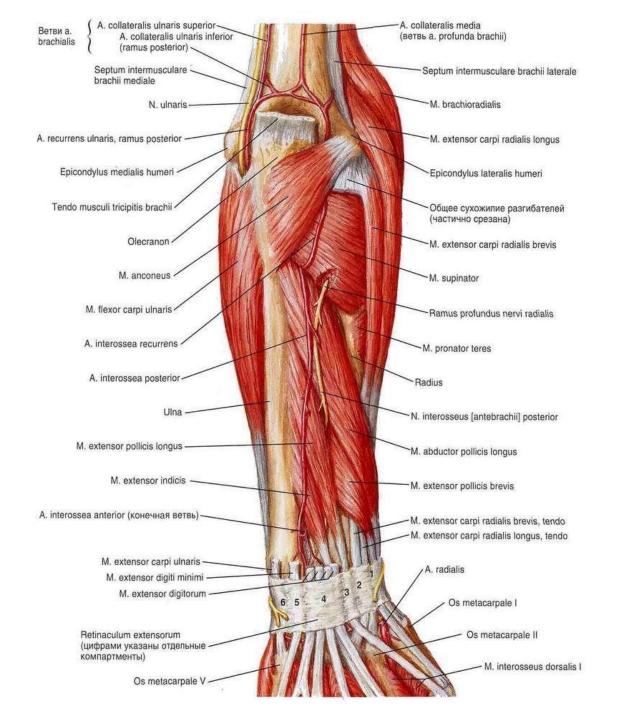
Fig. 410 Branching pattern of the thoraco-acromial artery.

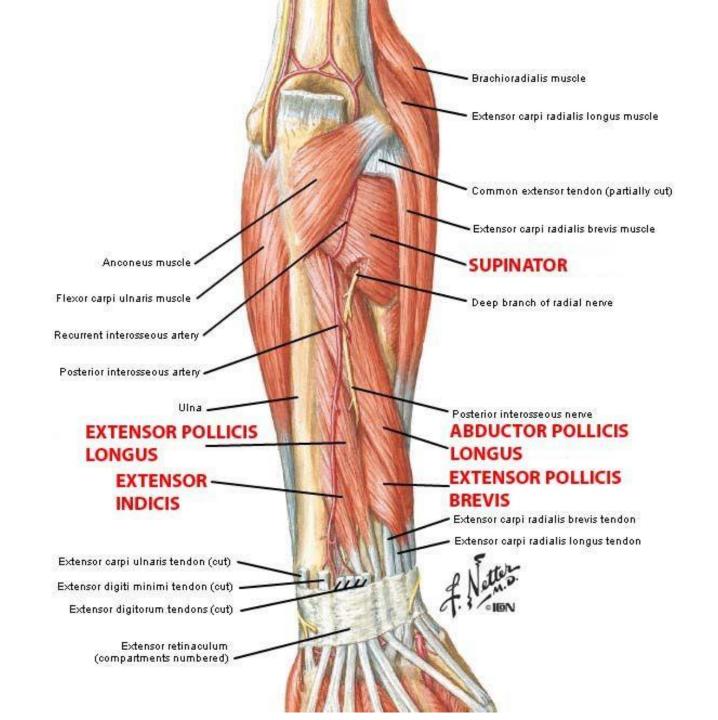
From Putz, Sobotta - Atlas of Human Anatomy, 14th edn. Urban & Fischer/Elsevier, Munich, 2008 with permission.

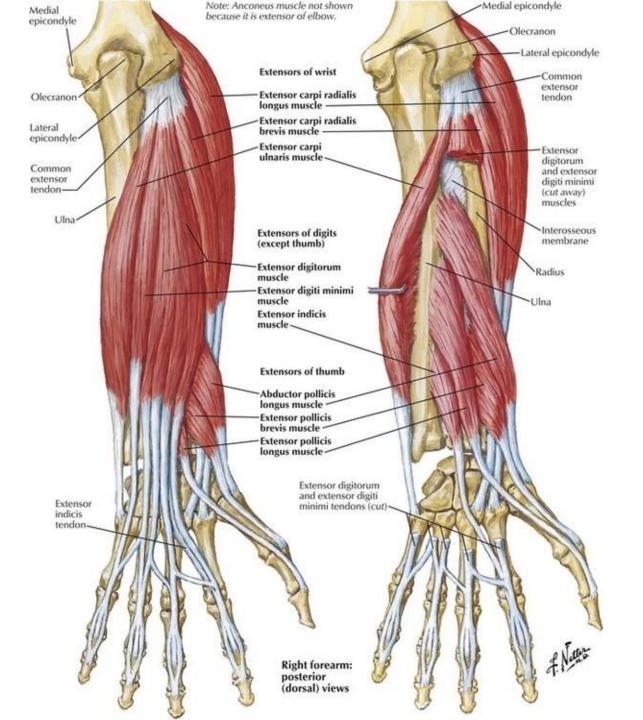


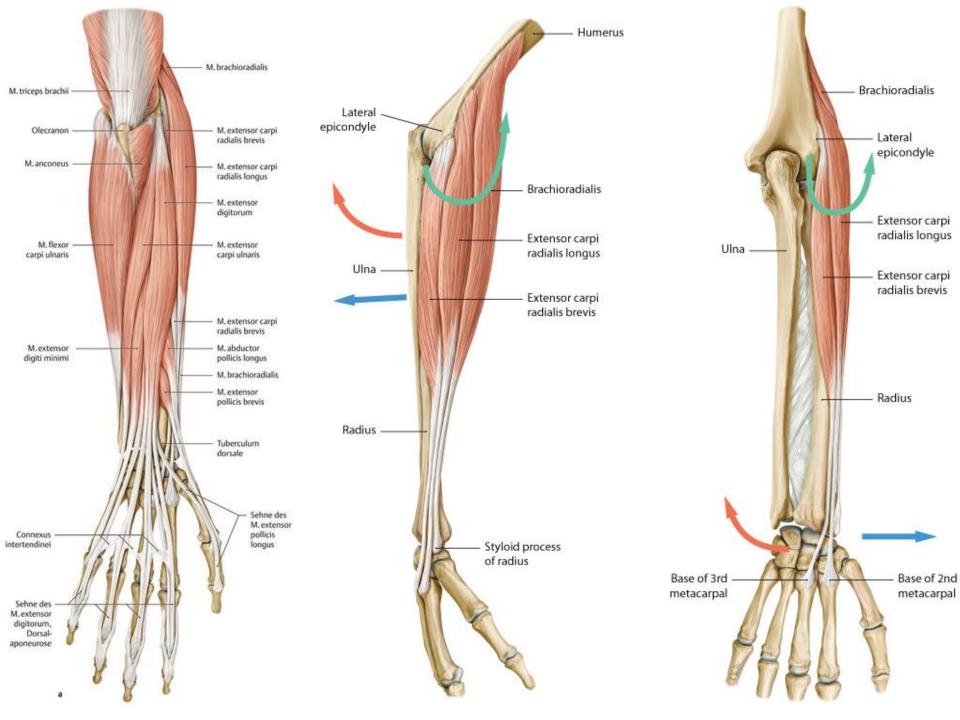
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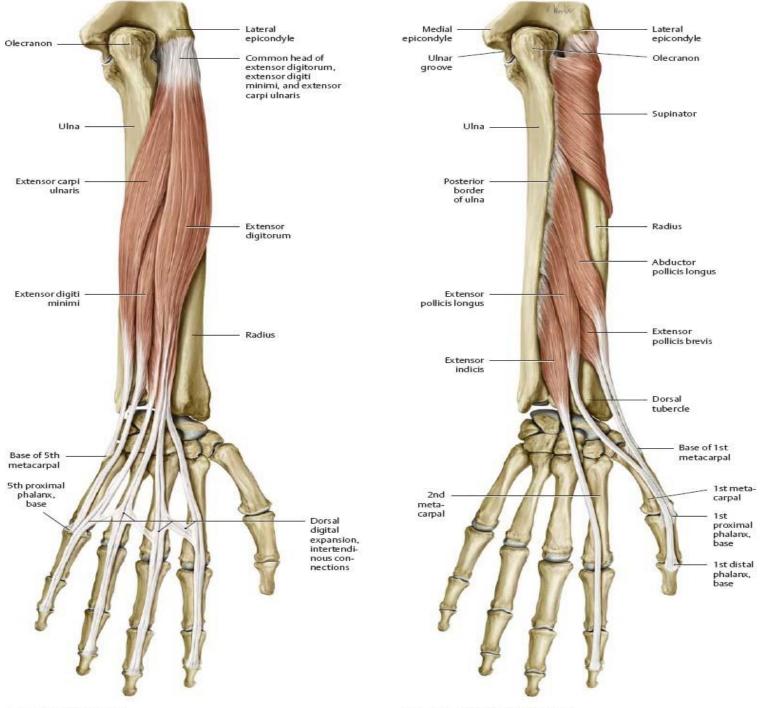






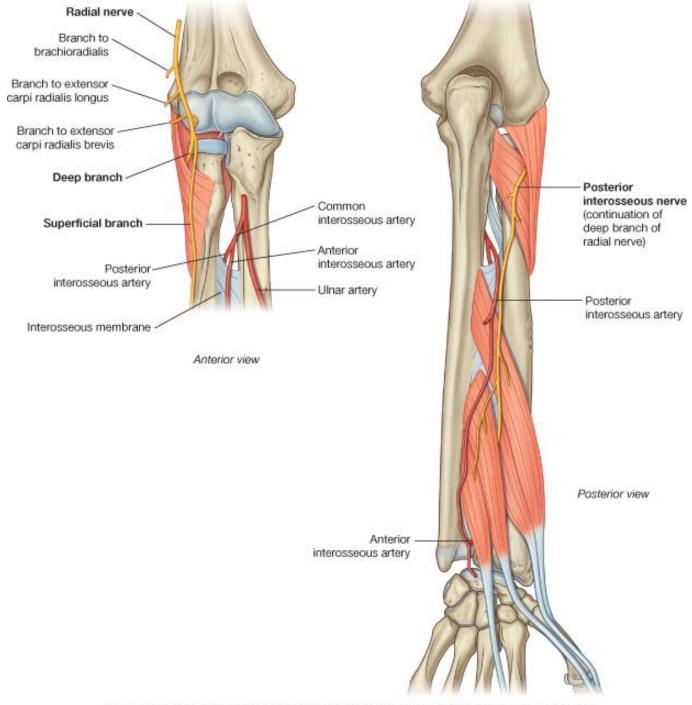




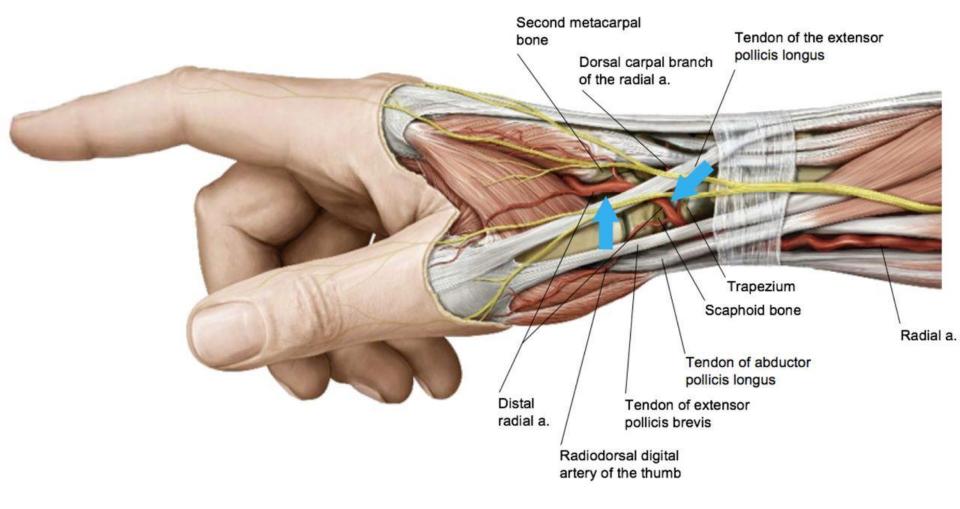


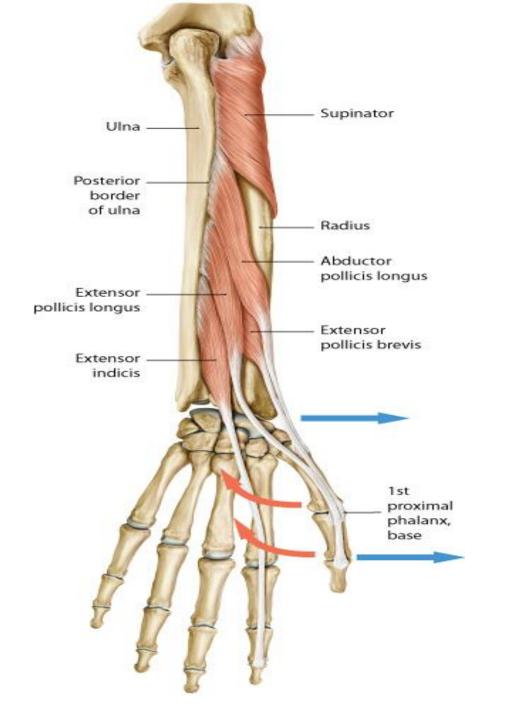
A Superficial extensors.

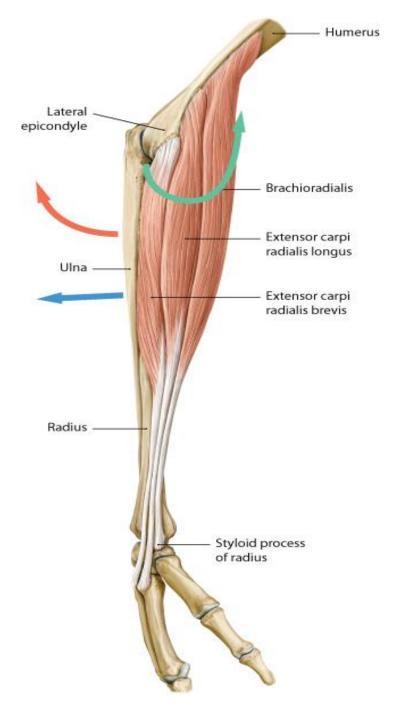
B Deep extensors with supinator.

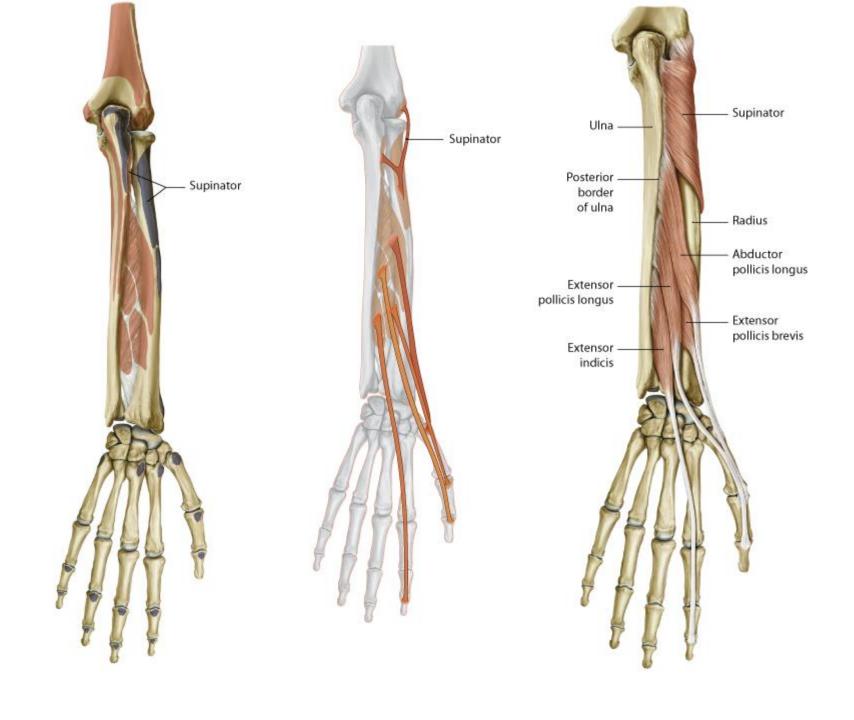


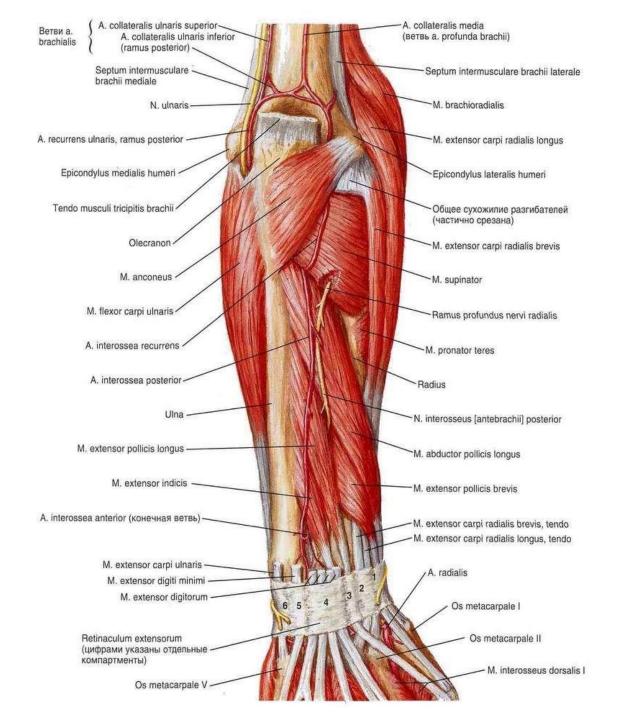
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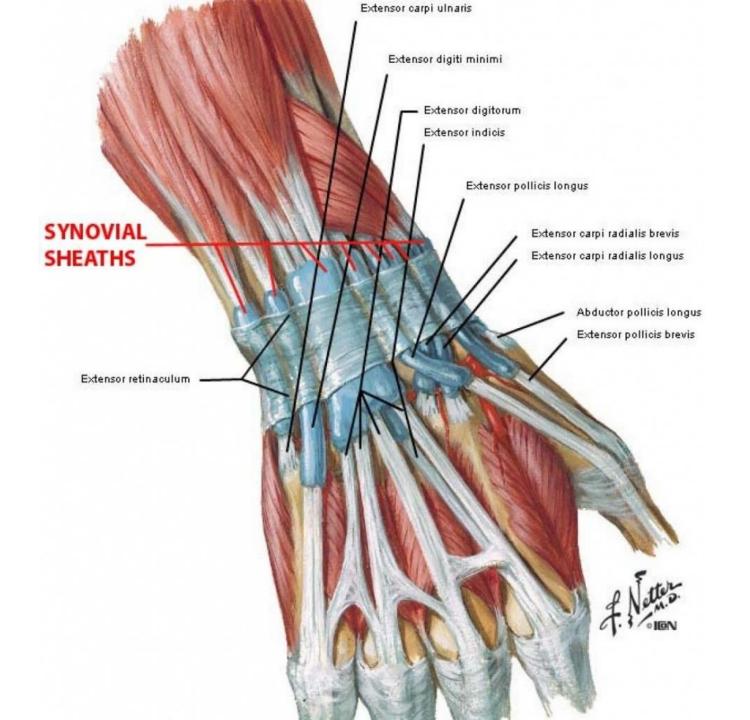




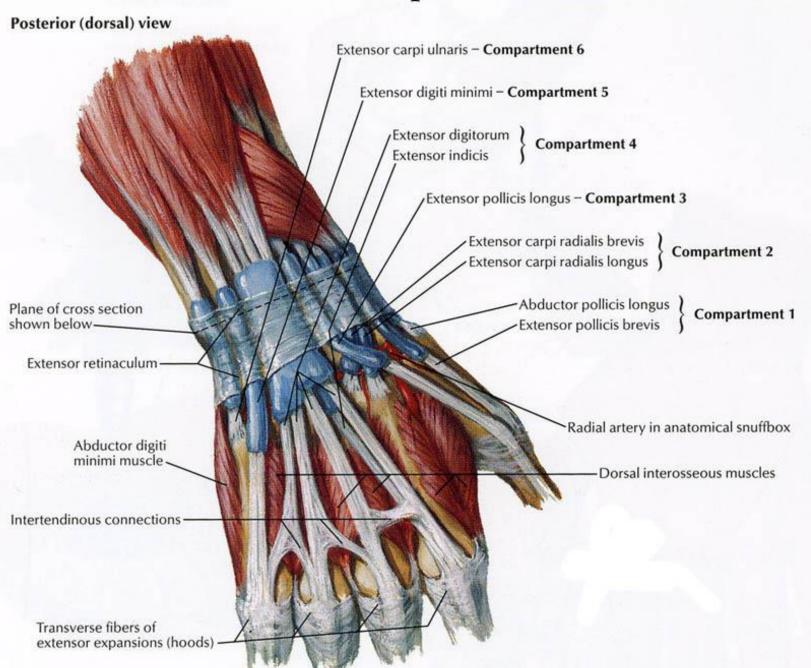








Extensor compartments



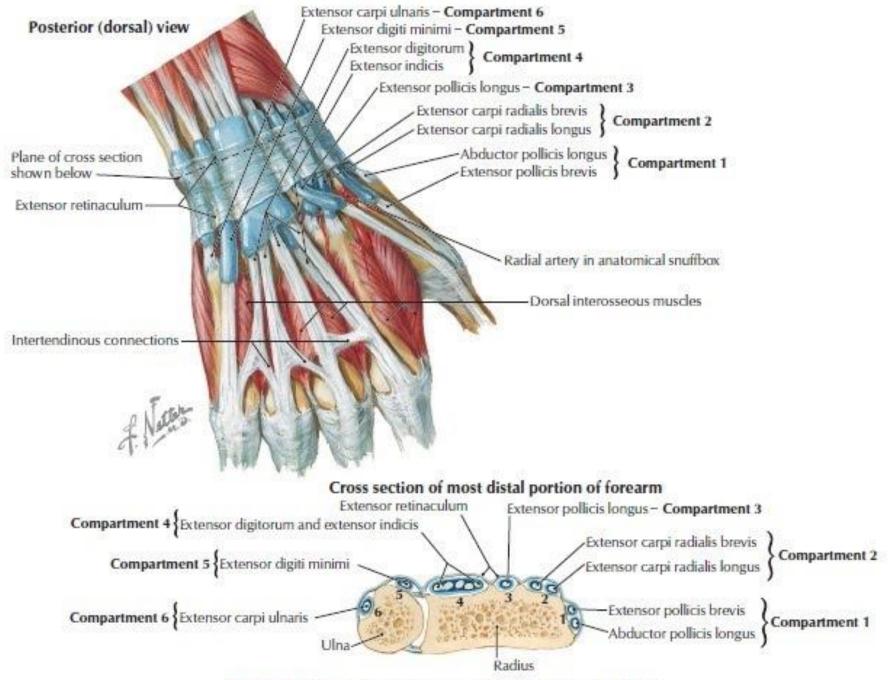
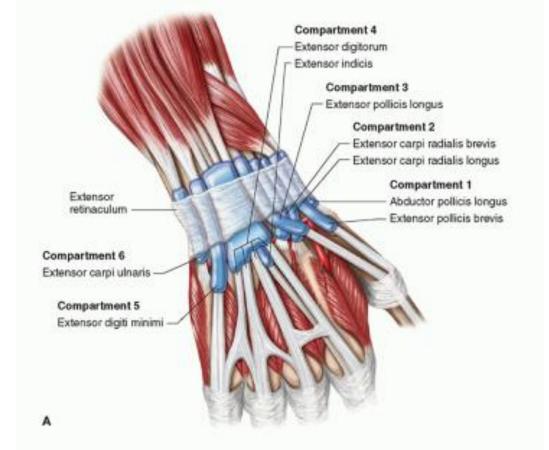
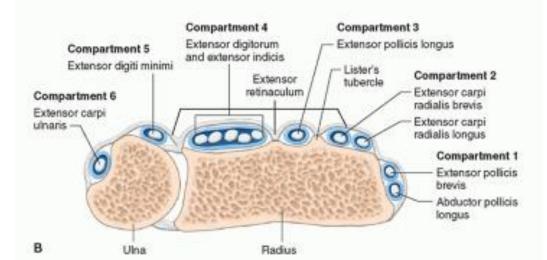
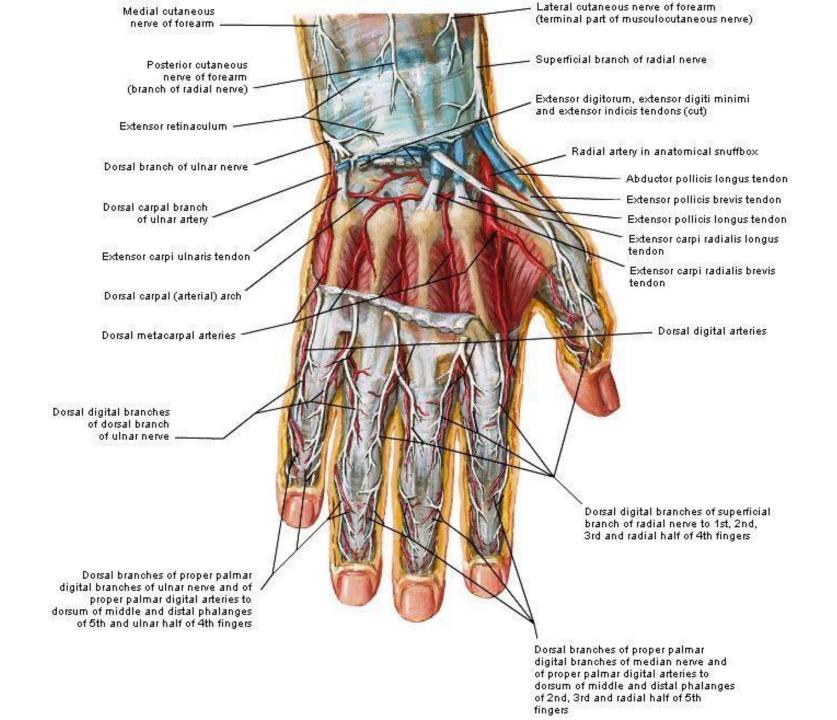
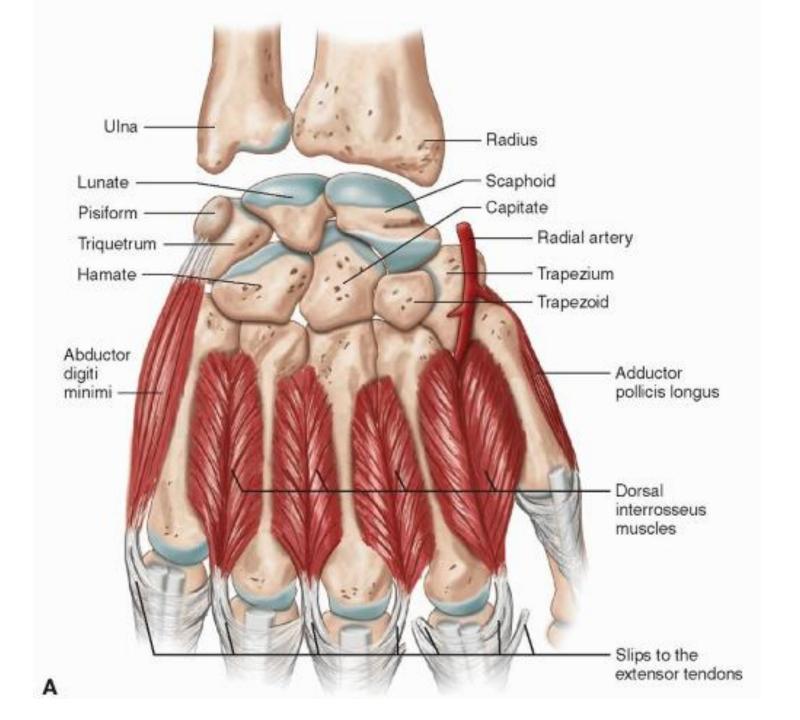


FIGURE 7-28 Extensor Tendons and Sheaths of the Wrist



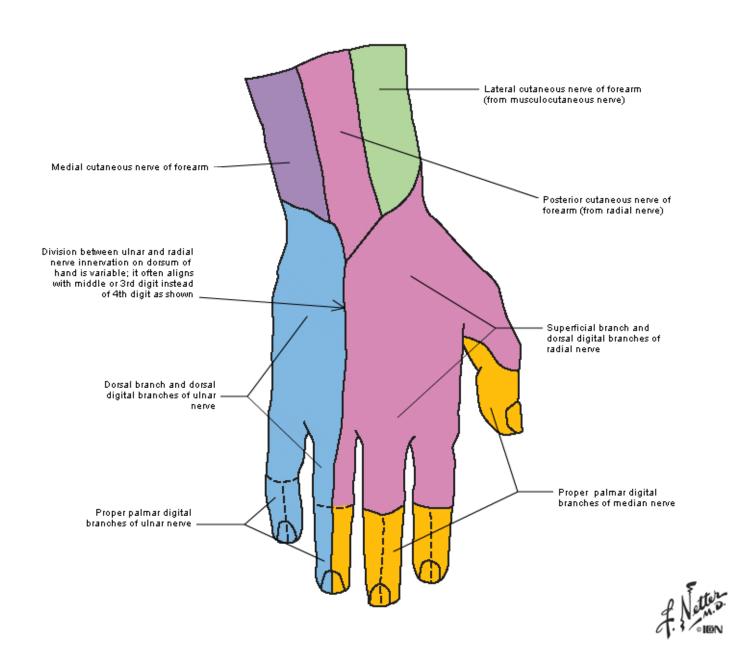


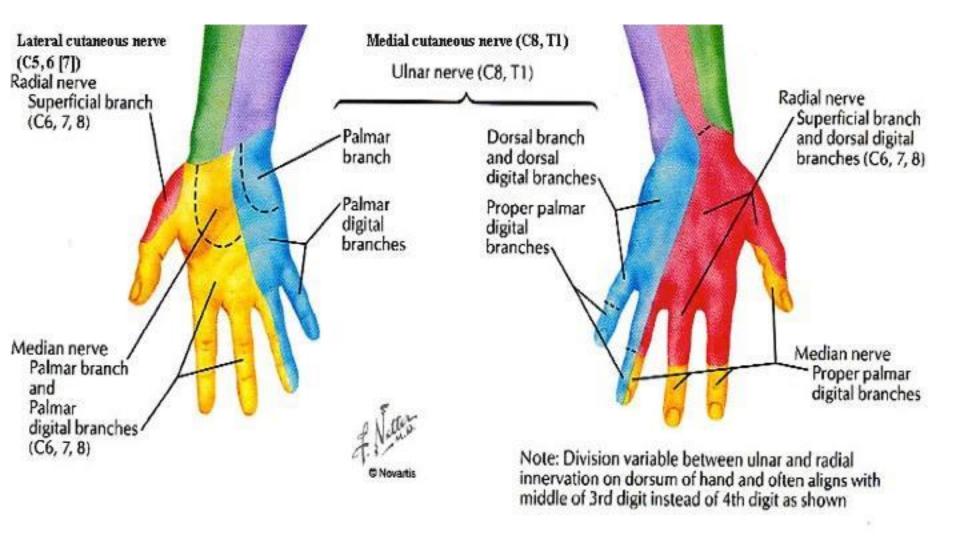


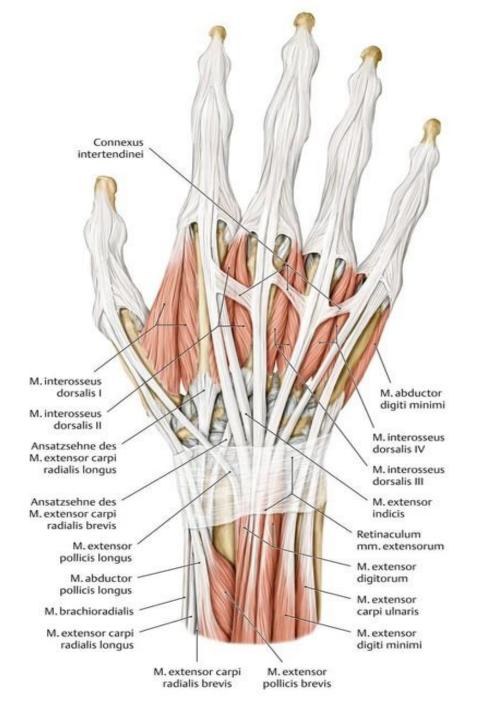


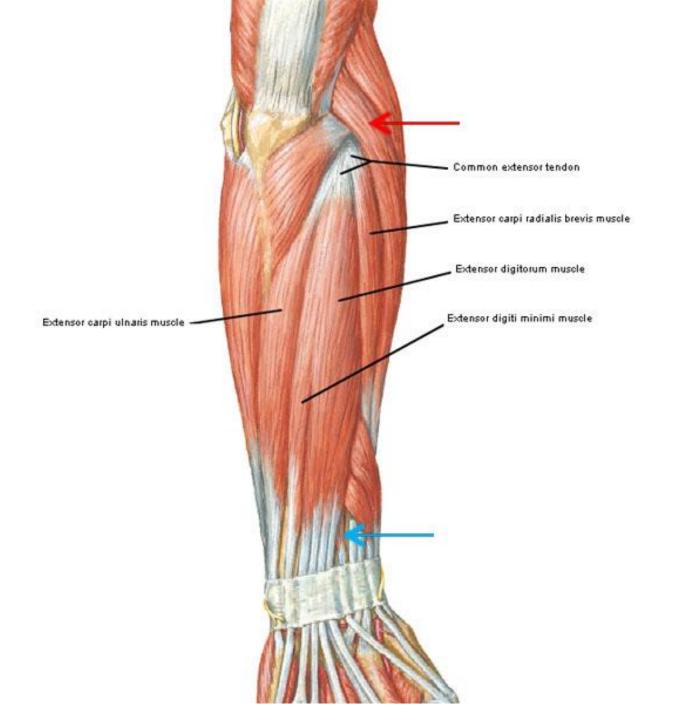
## Cutaneous Innervation of Wrist and Hand

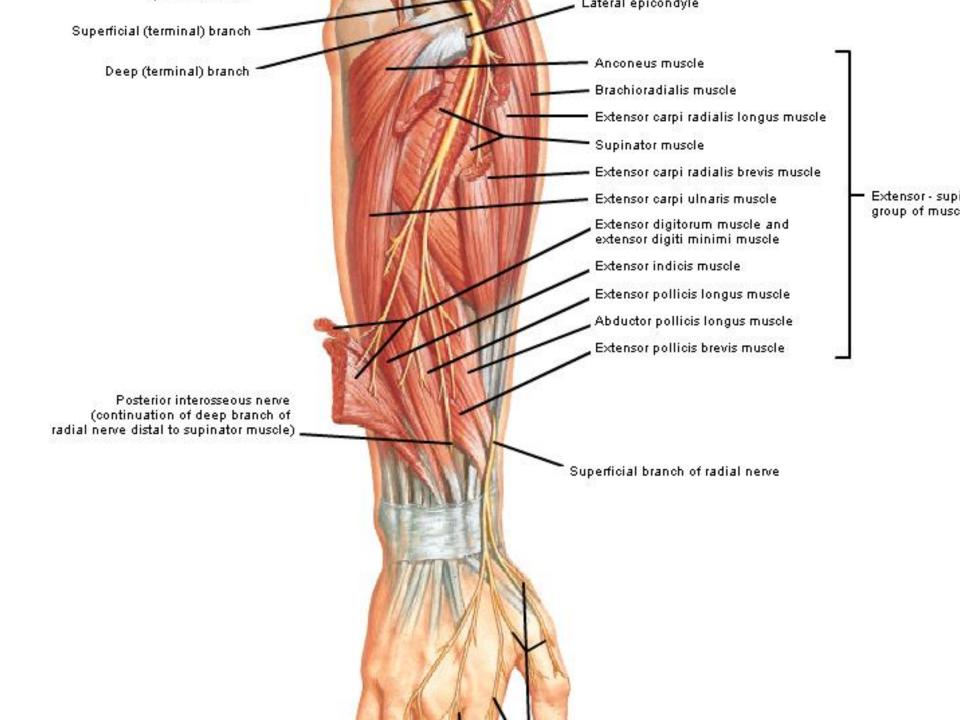
Posterior (Dorsal) View

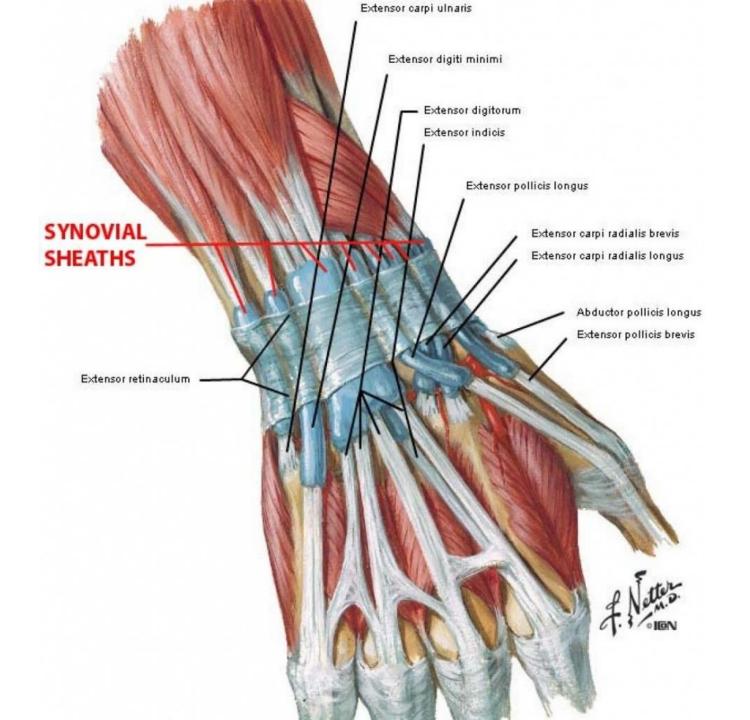






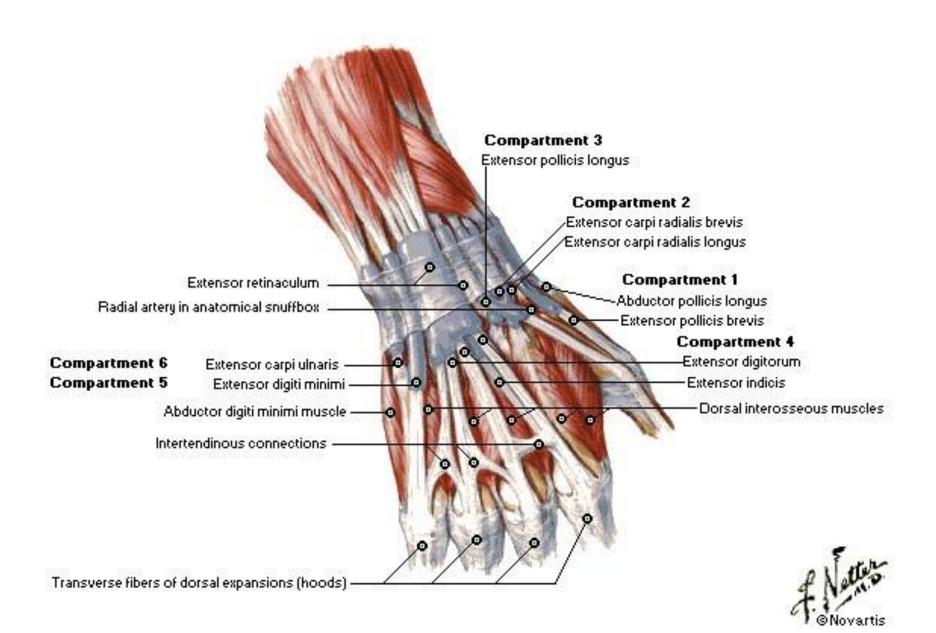


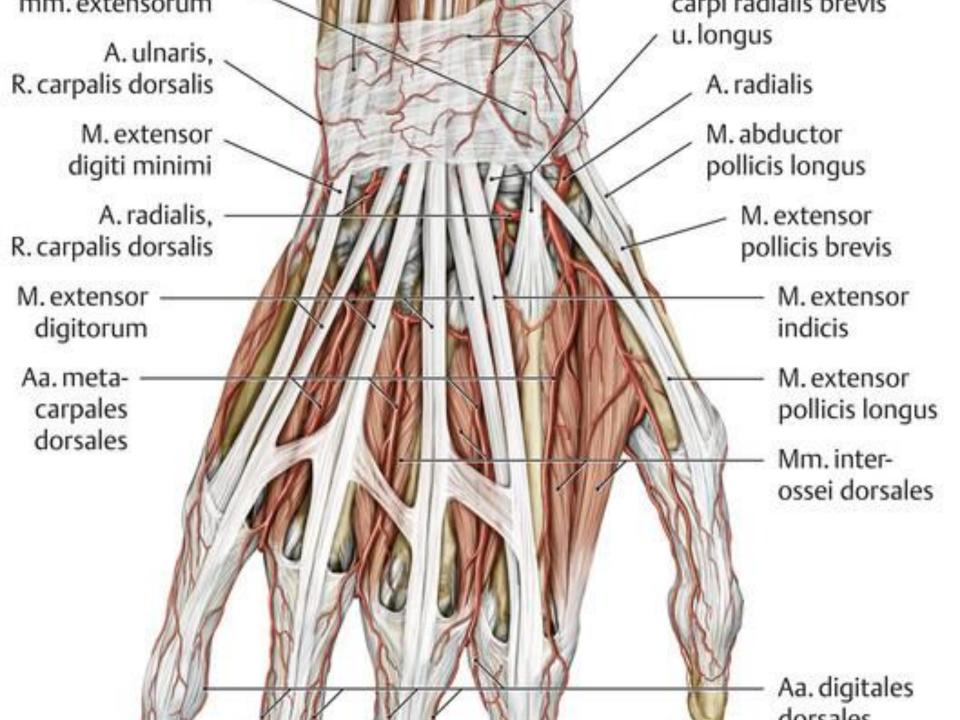


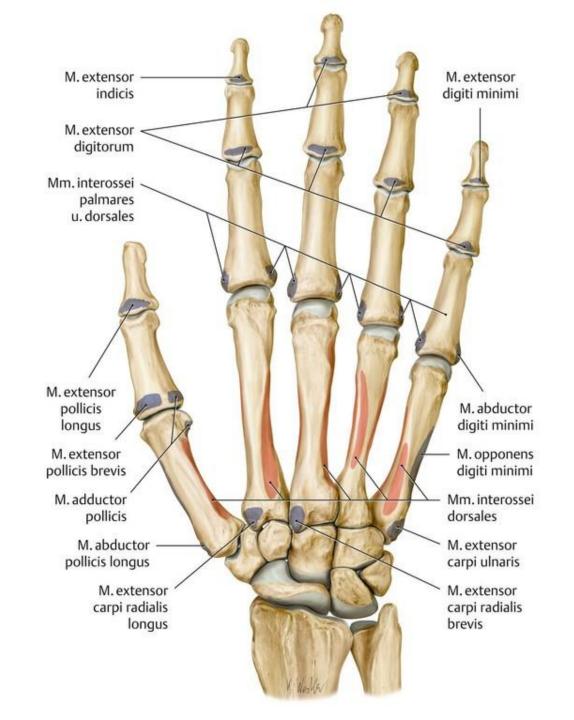


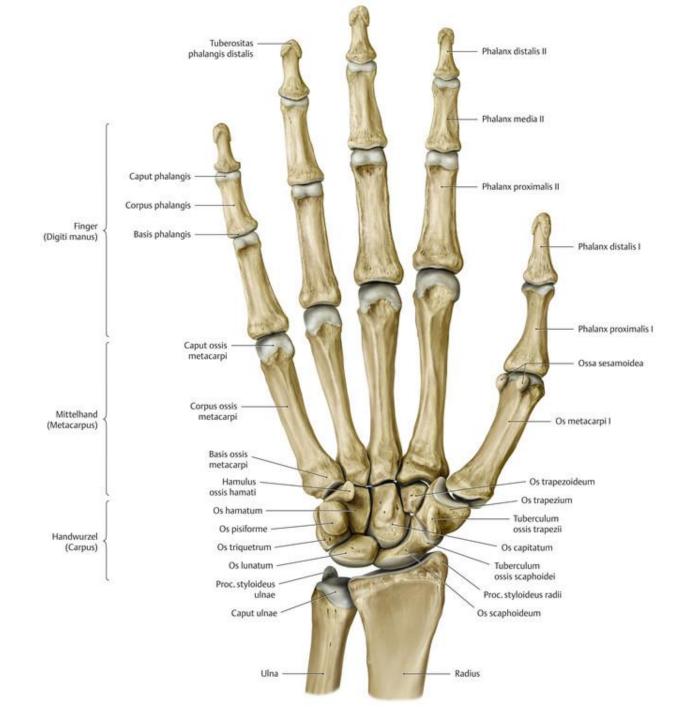
## Extensor Tendons at Wrist

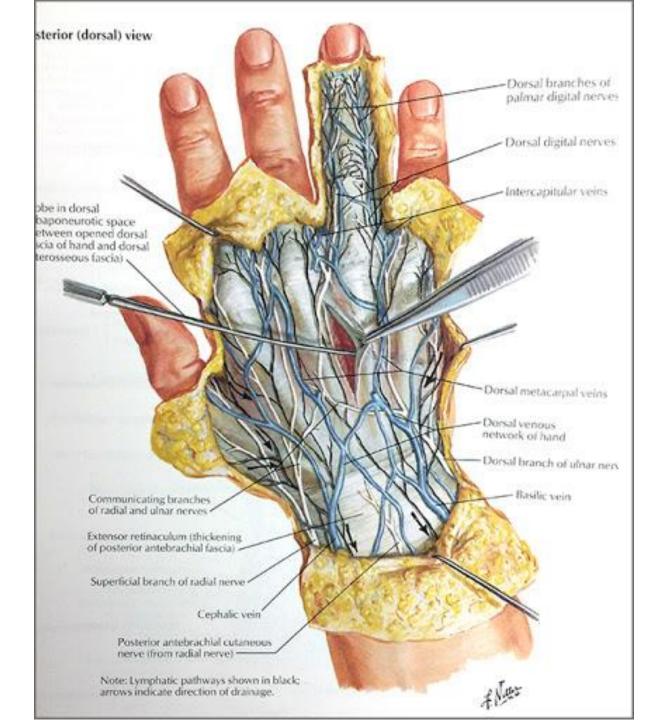
## Posterior [Dorsal] View



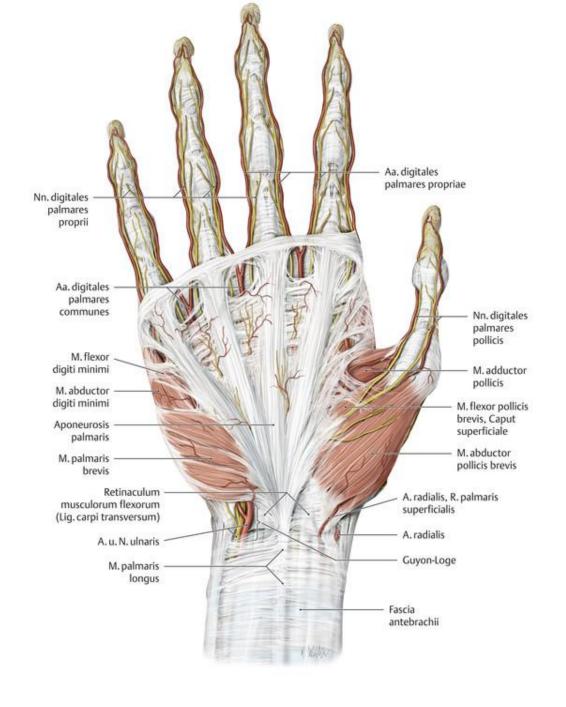


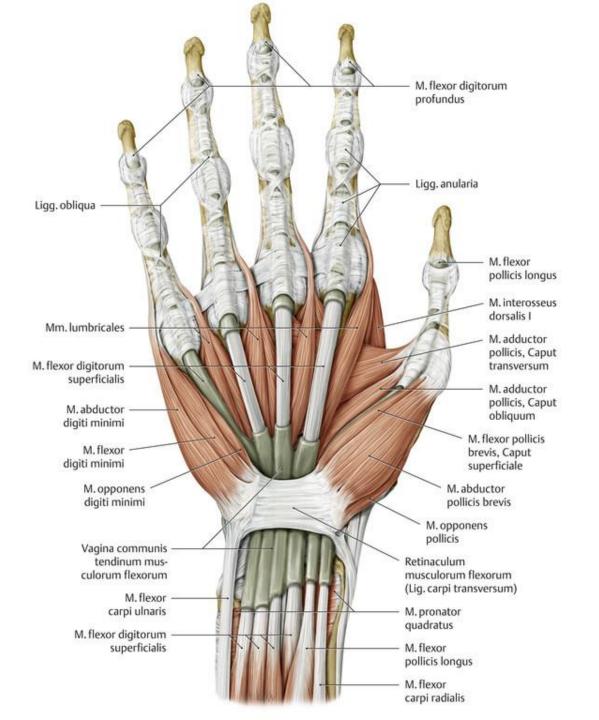


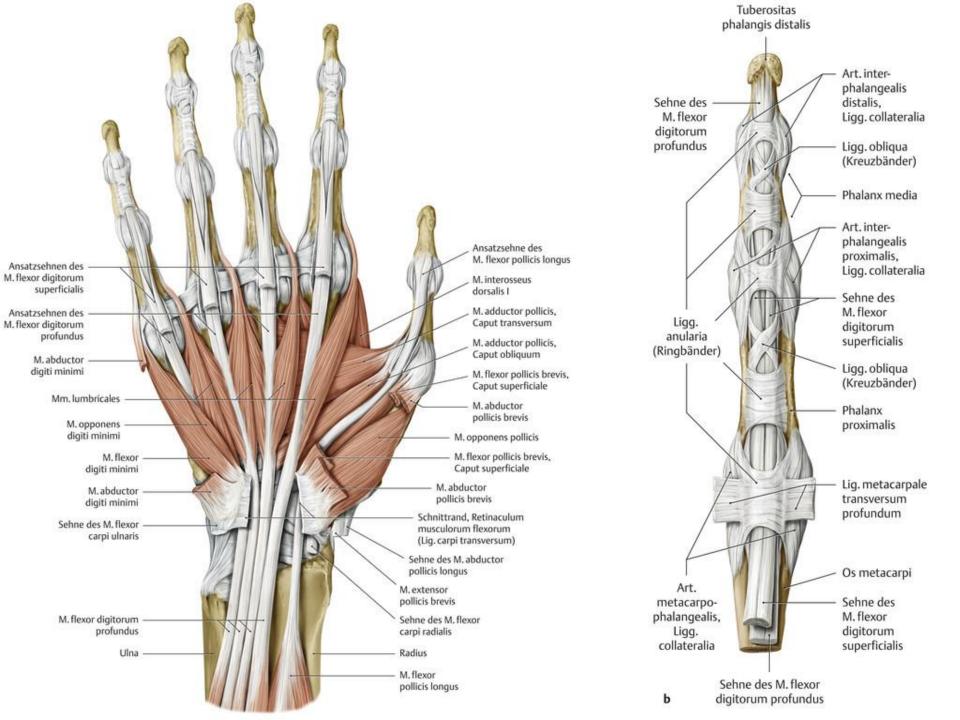


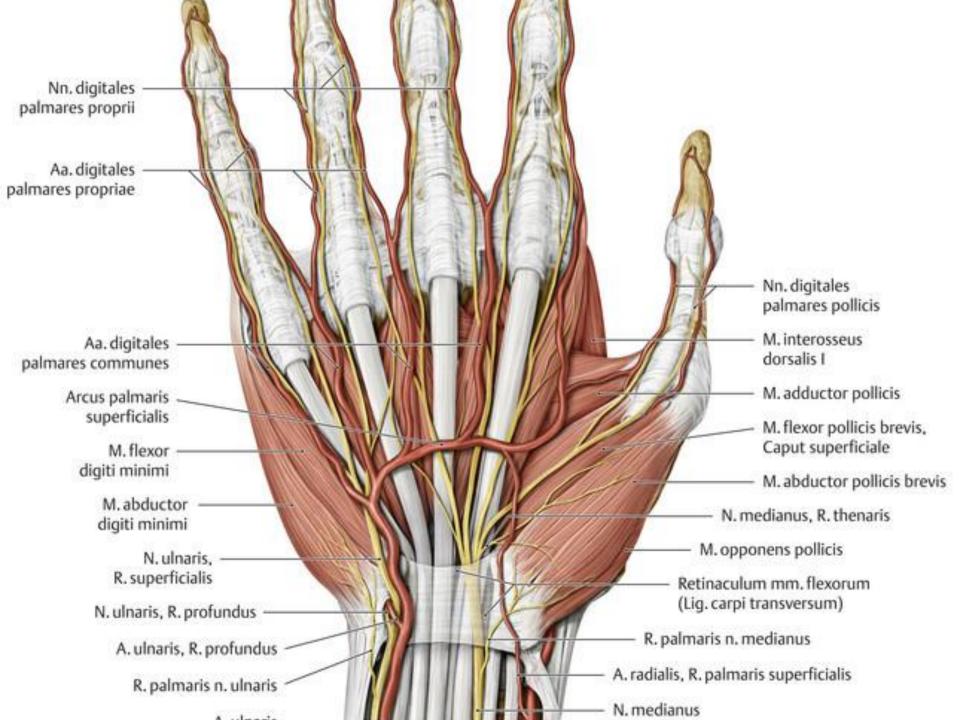


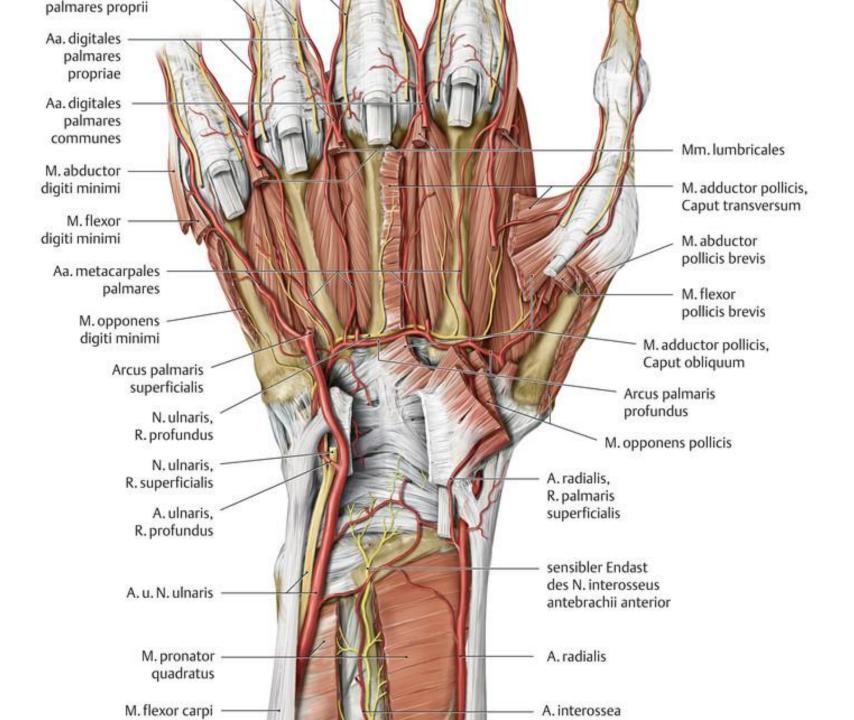


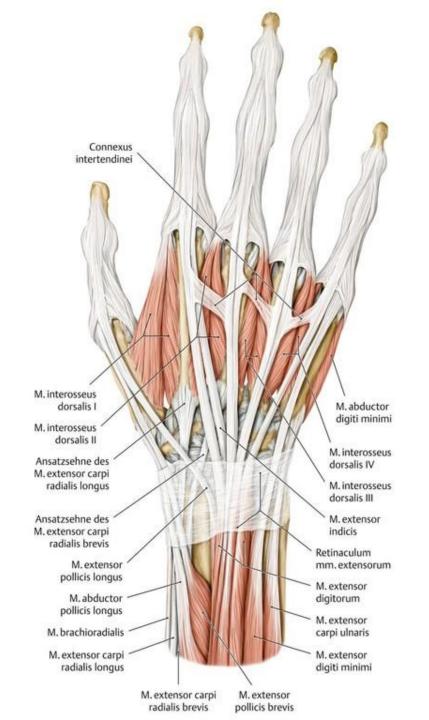












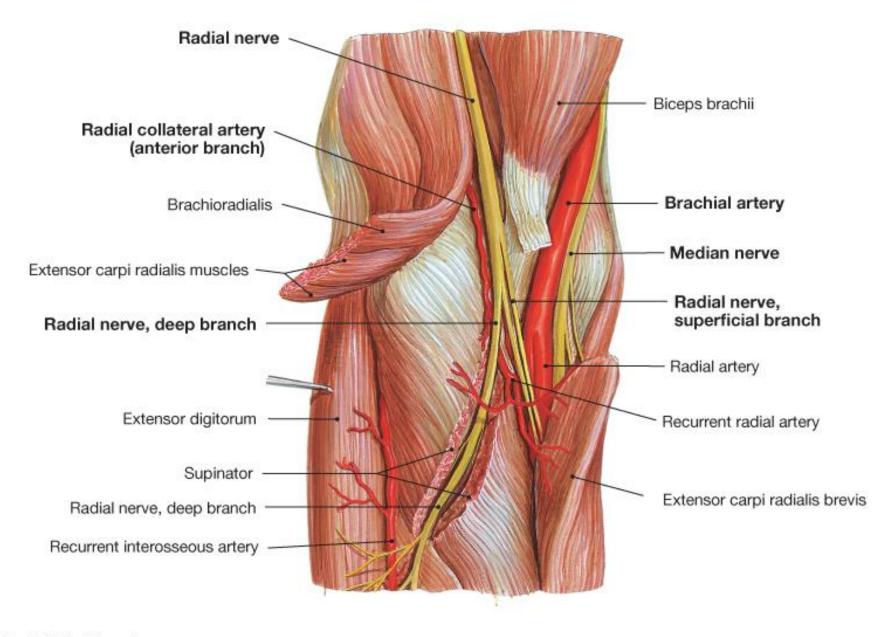
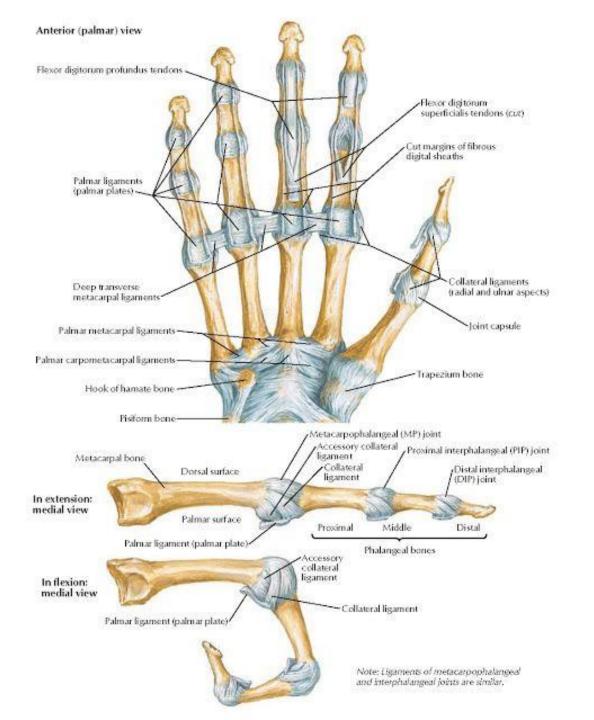
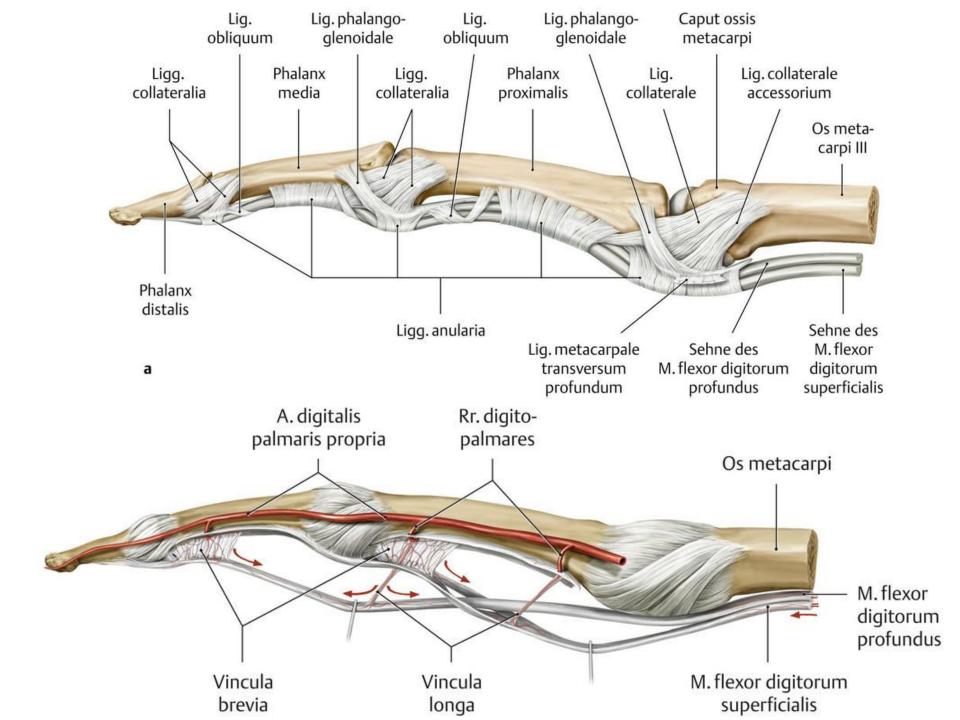


Fig. 411 Axillary fossa.





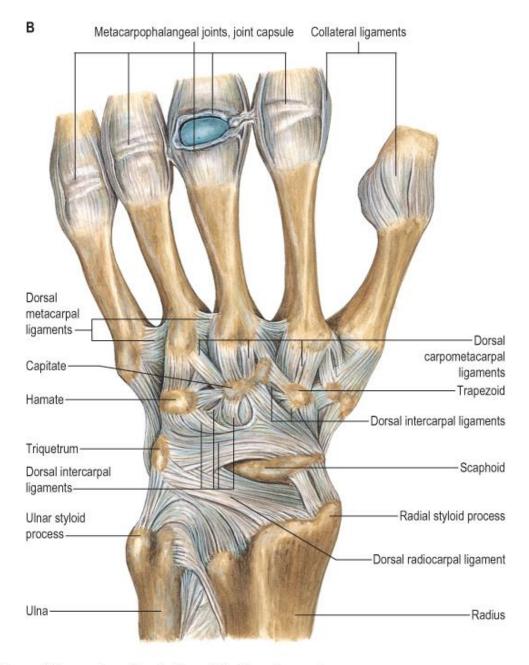
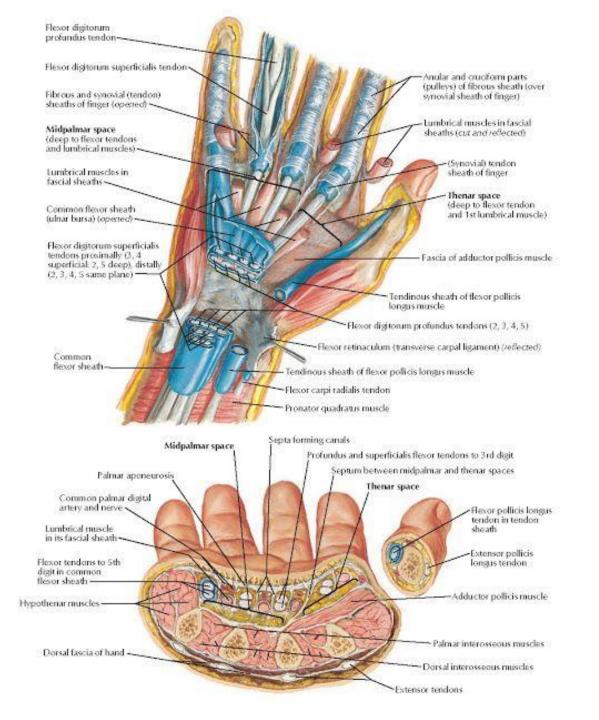
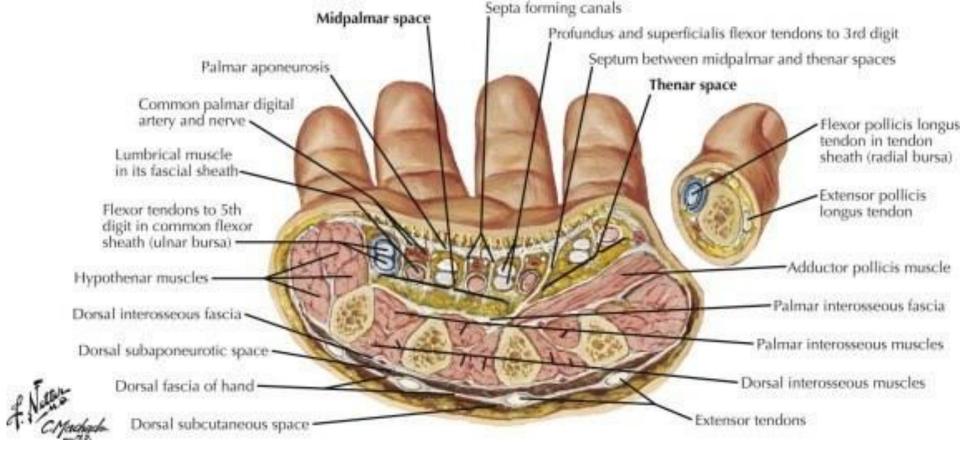
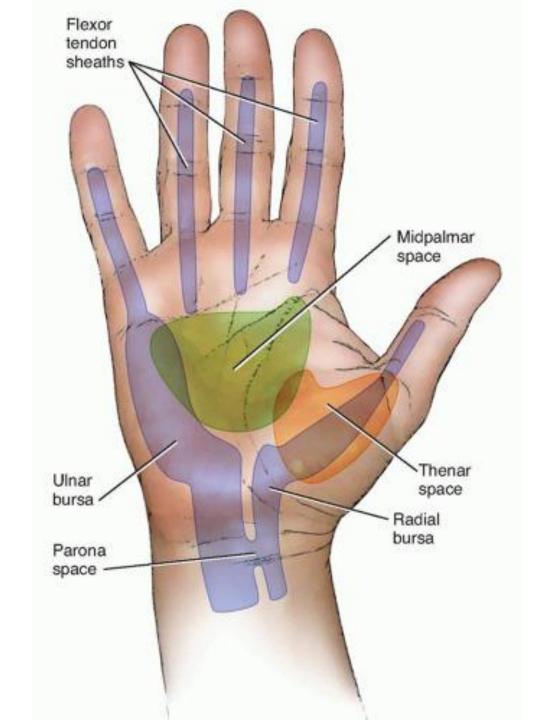


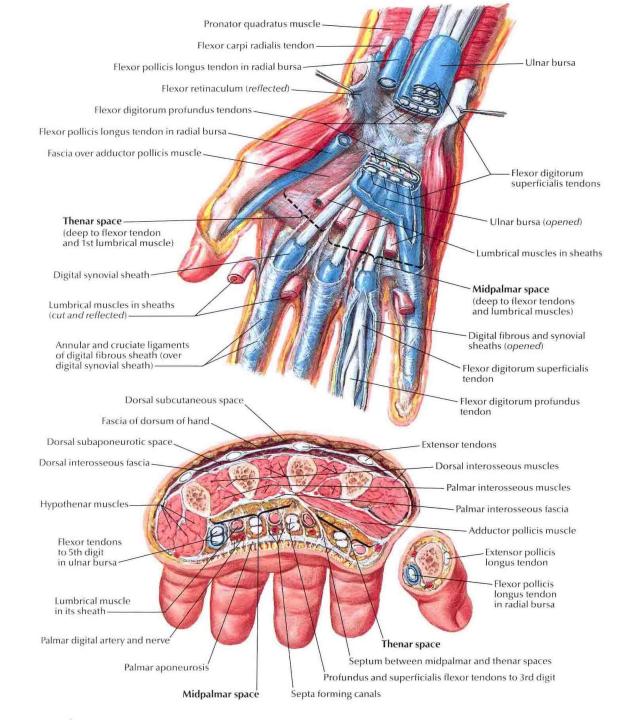
Fig. 50.15 Joints and ligaments of the left hand B, Dorsal aspect.

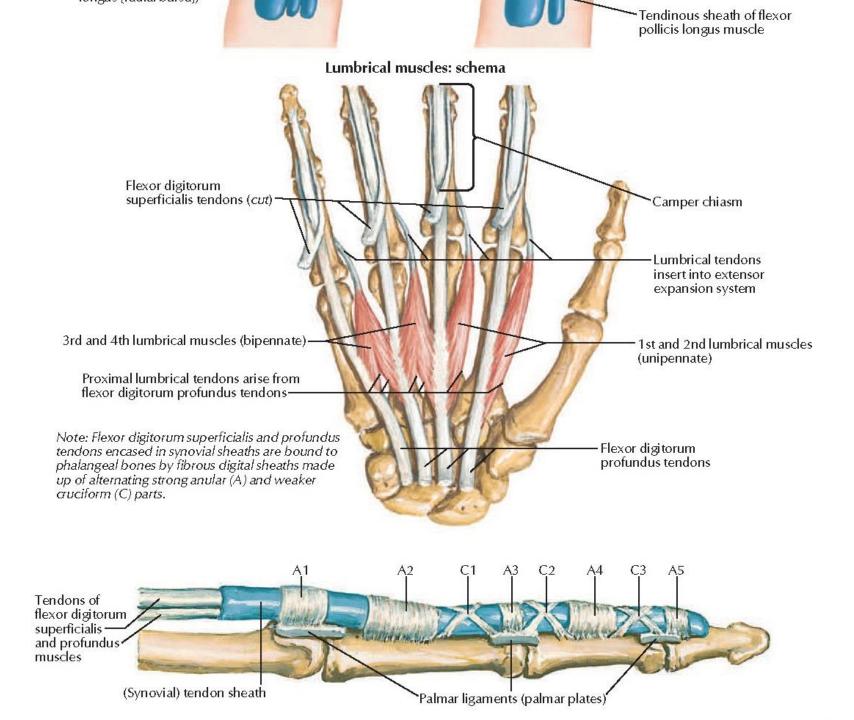
From Standring, Gray's Anatomy, 40th edn. Churchill Livingstone/Elsevier, Philadelphia, 2009 with permission.

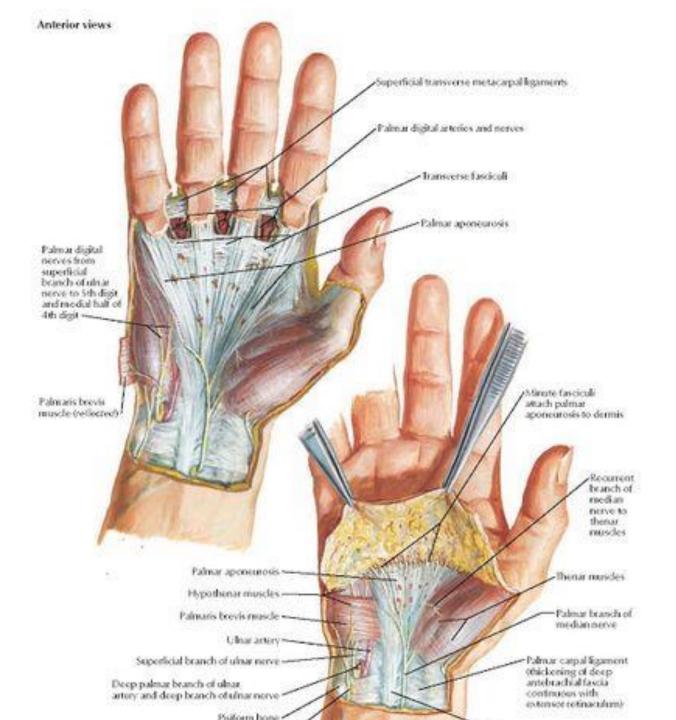


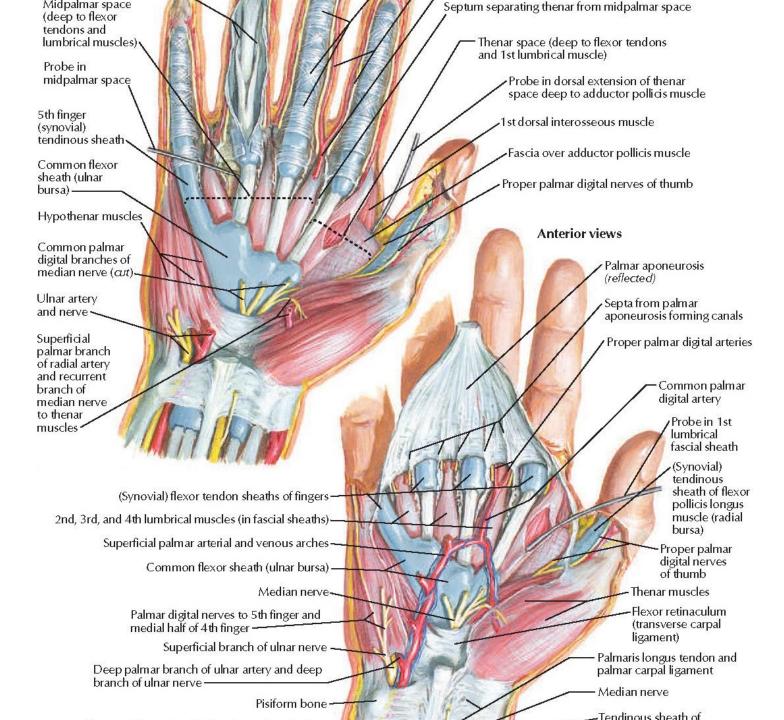


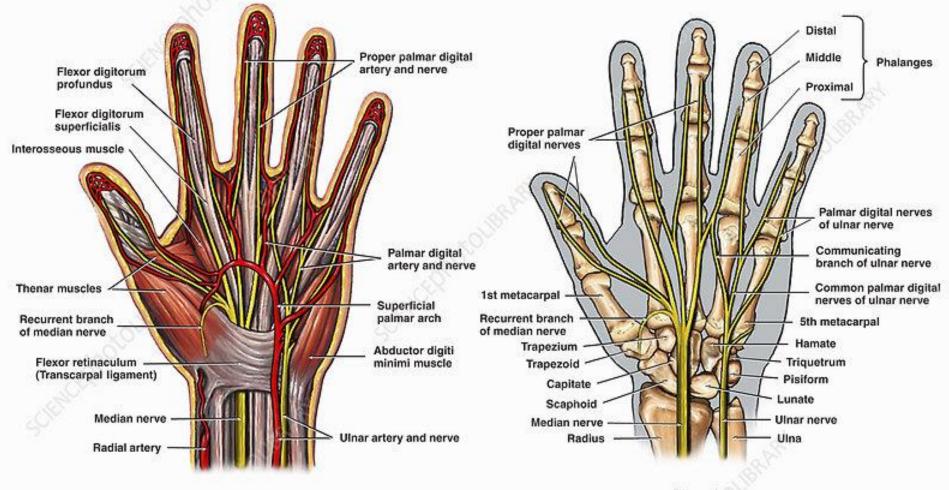






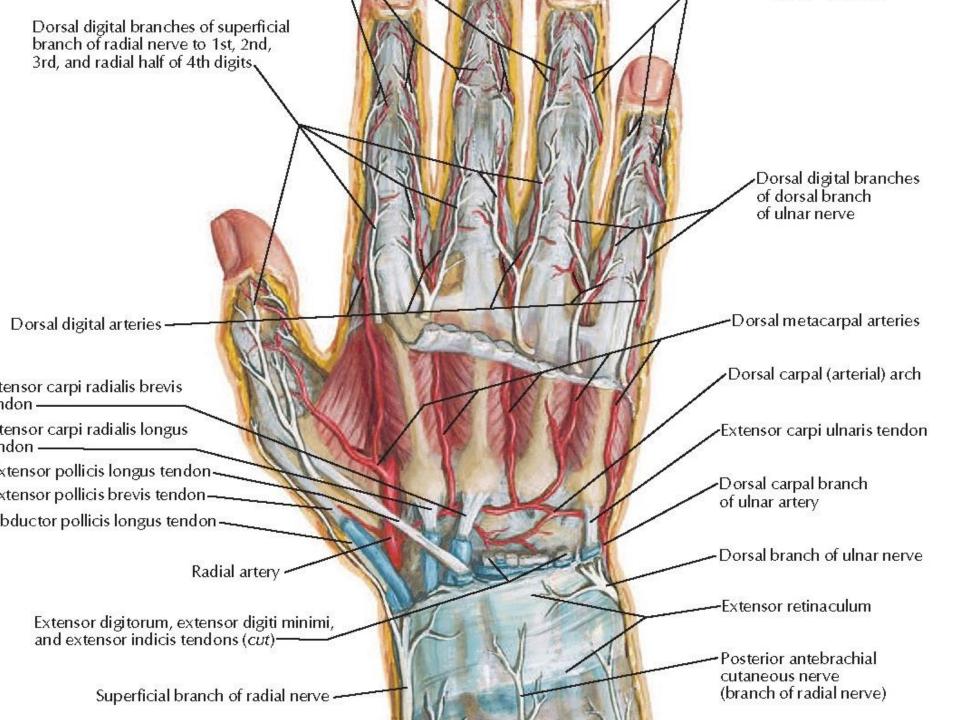


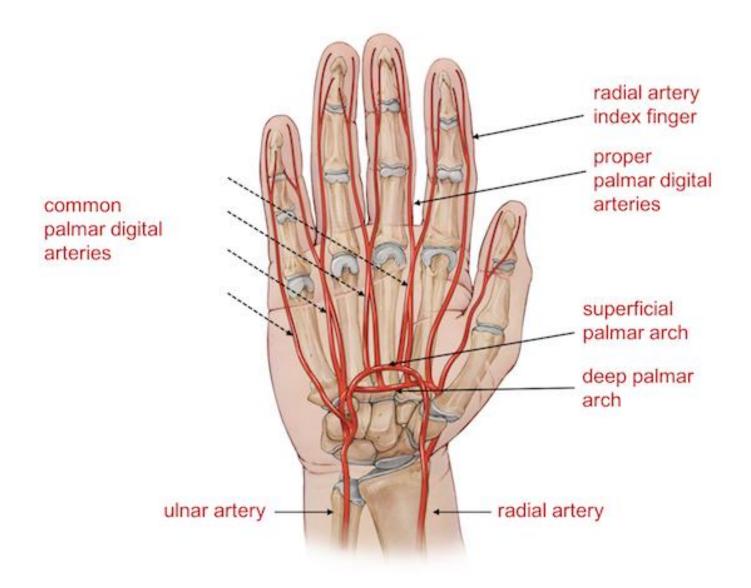




Palmar view

Palmar view





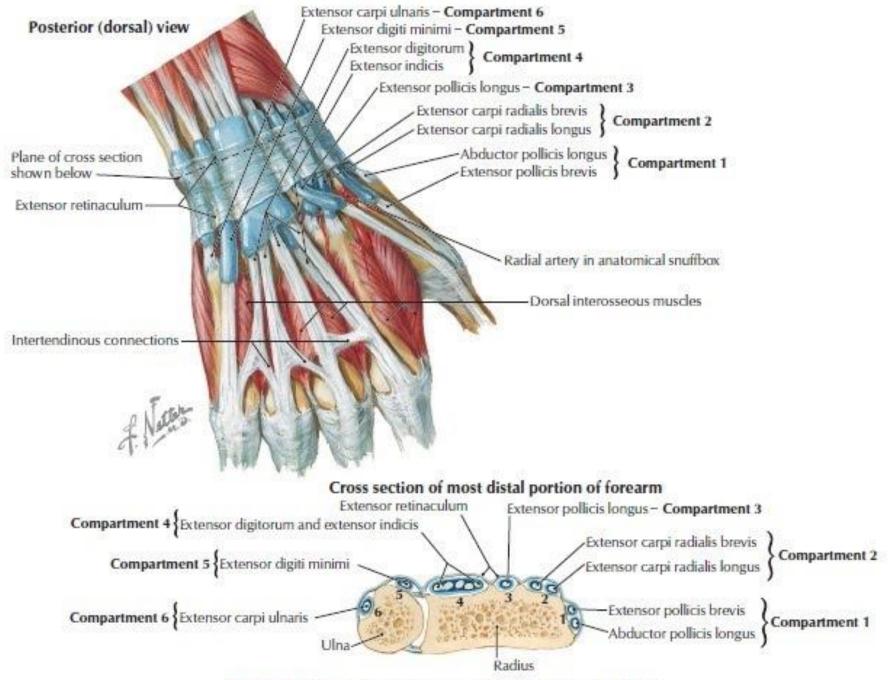
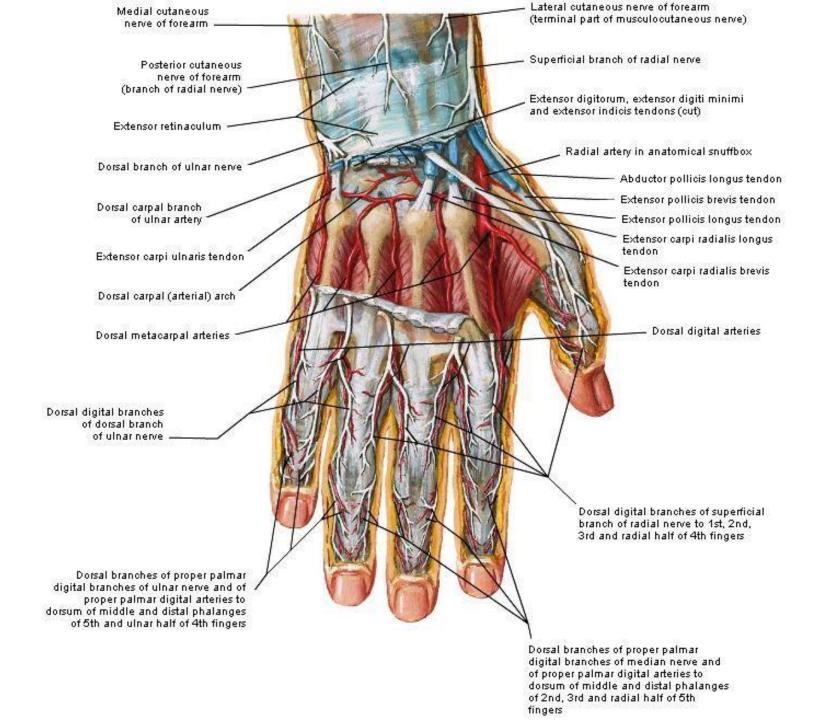
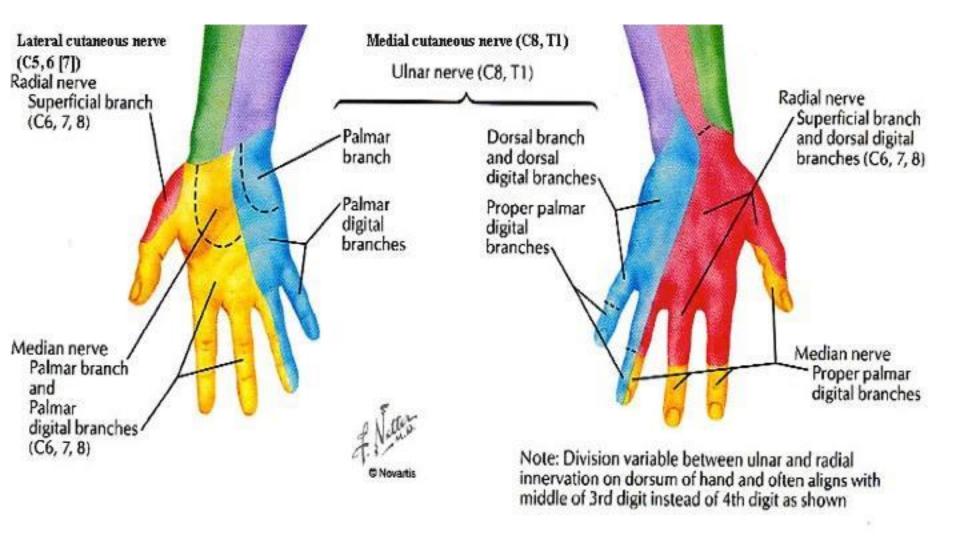


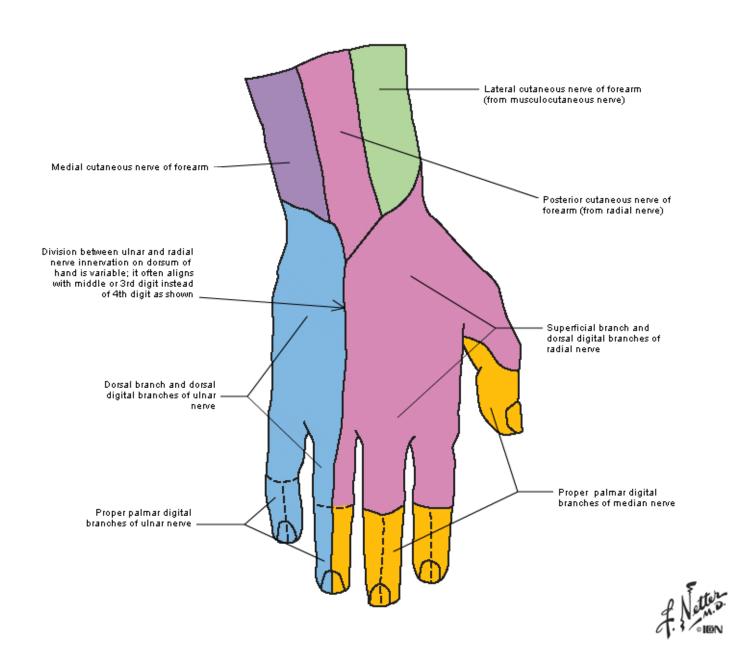
FIGURE 7-28 Extensor Tendons and Sheaths of the Wrist

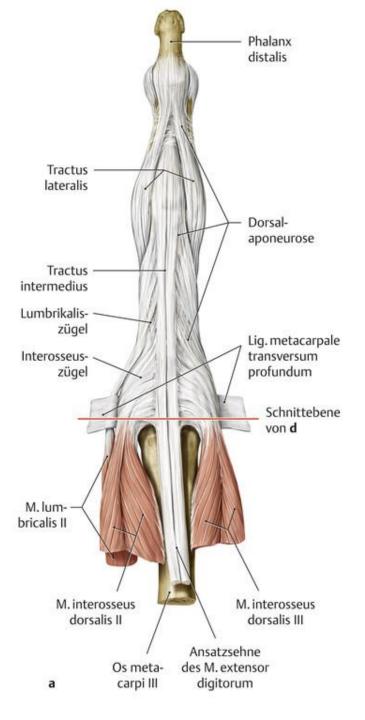




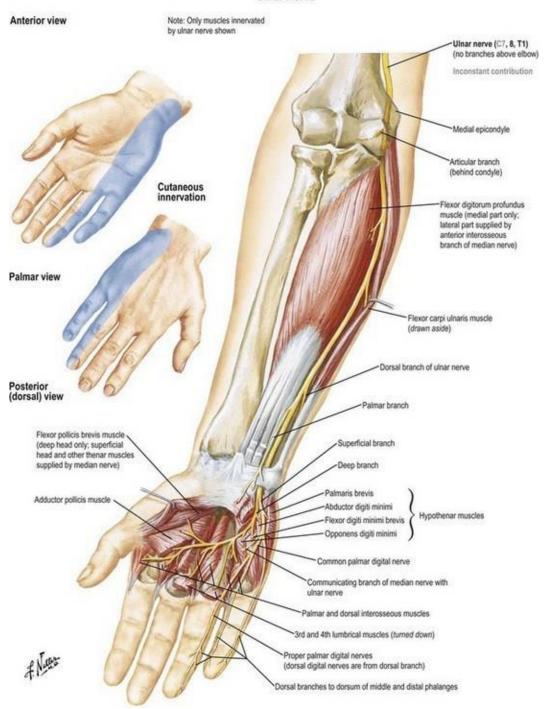
## Cutaneous Innervation of Wrist and Hand

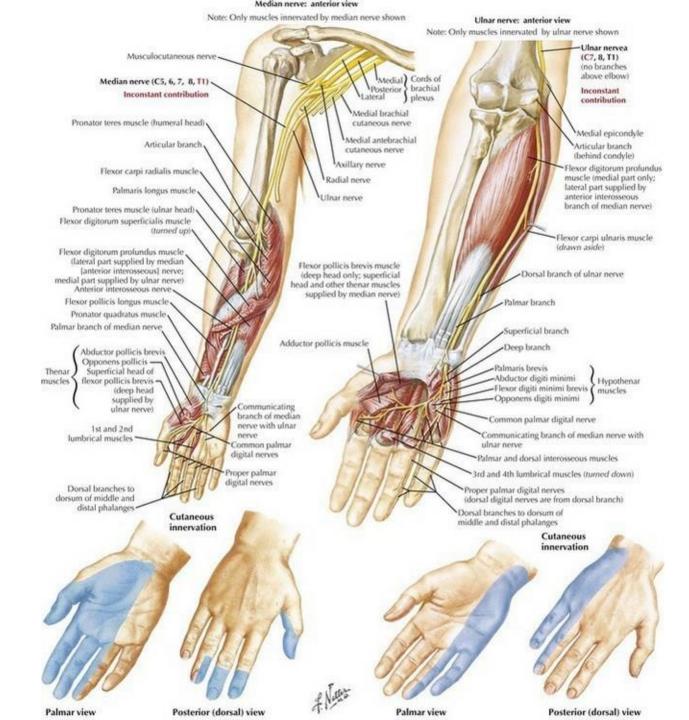
Posterior (Dorsal) View

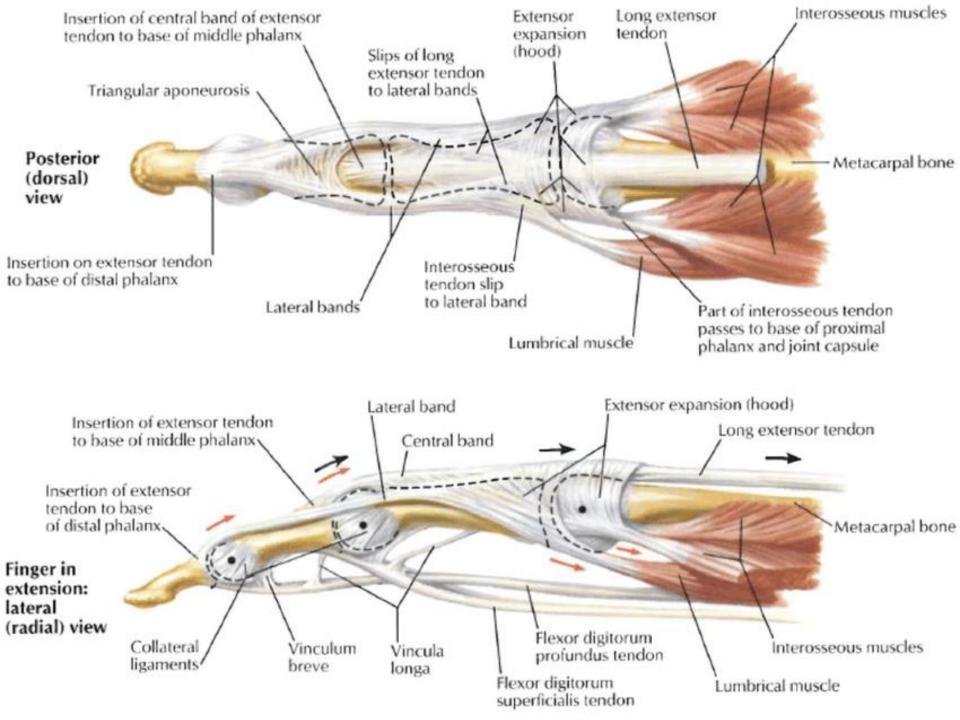


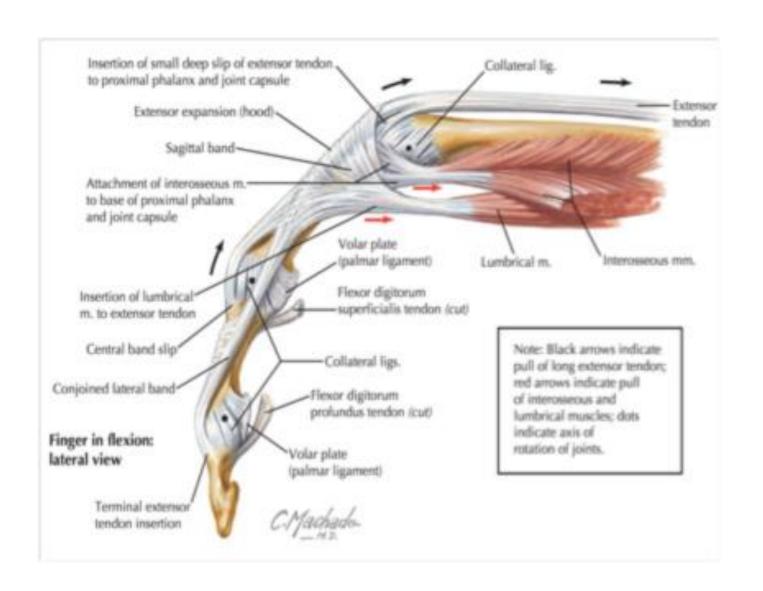


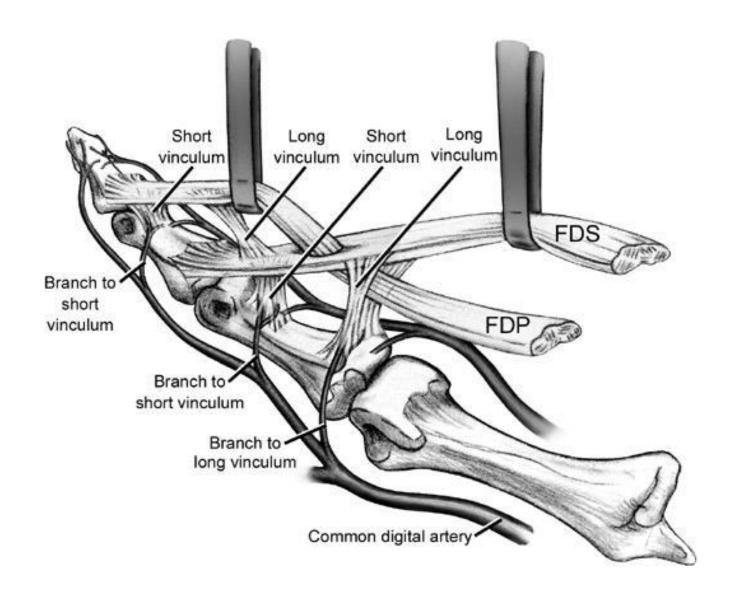
## Ulnar Nerve

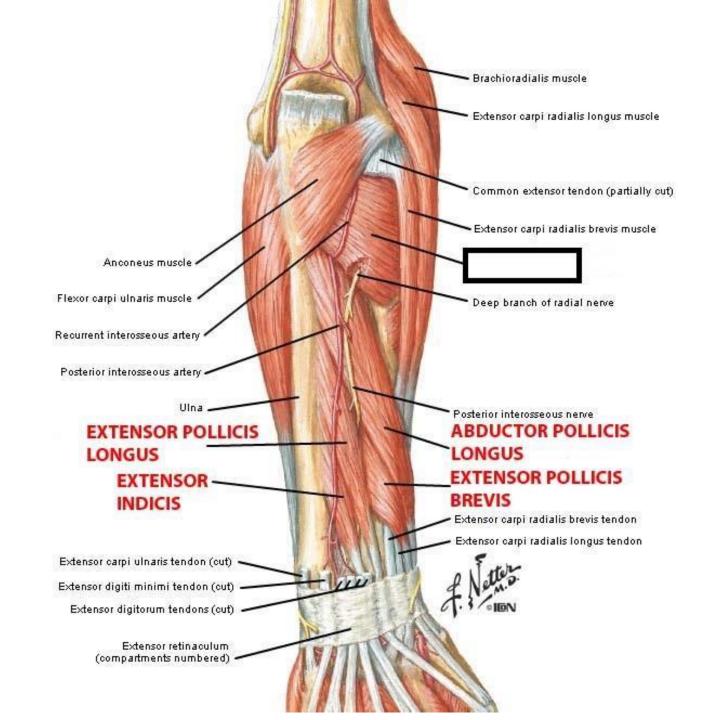






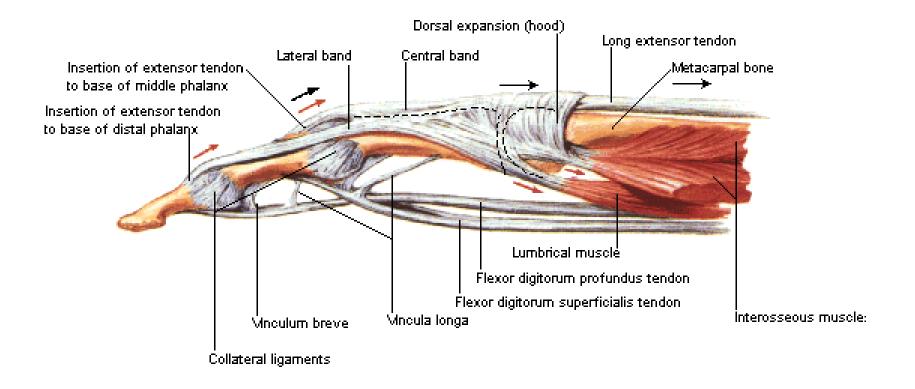






## Flexor and Extensor Tendons in Fingers

## Extended - Lateral View



Note: black arrows indicate pull of long extensor tendon; red arrows indicate pull of interosseous and lumbrical muscles



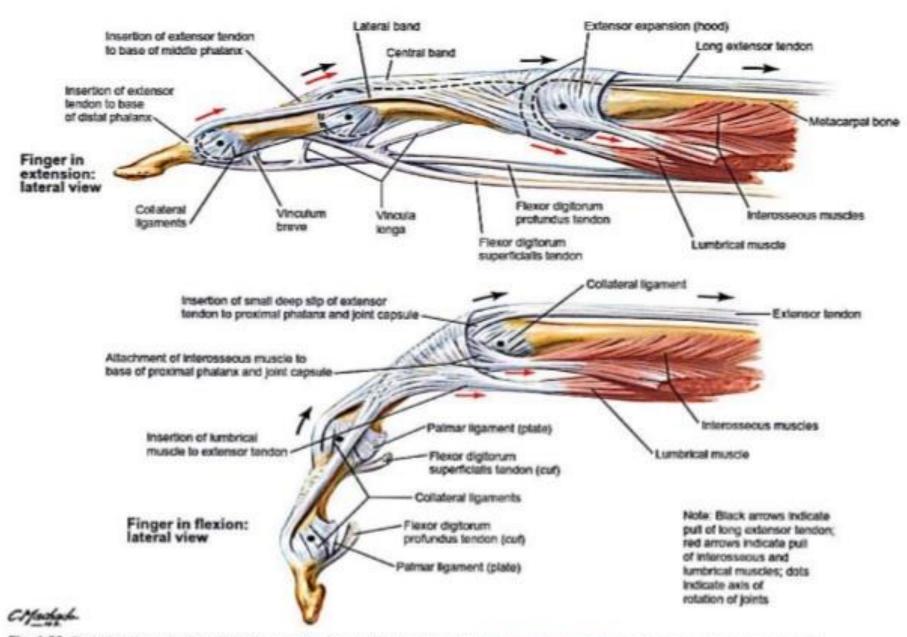
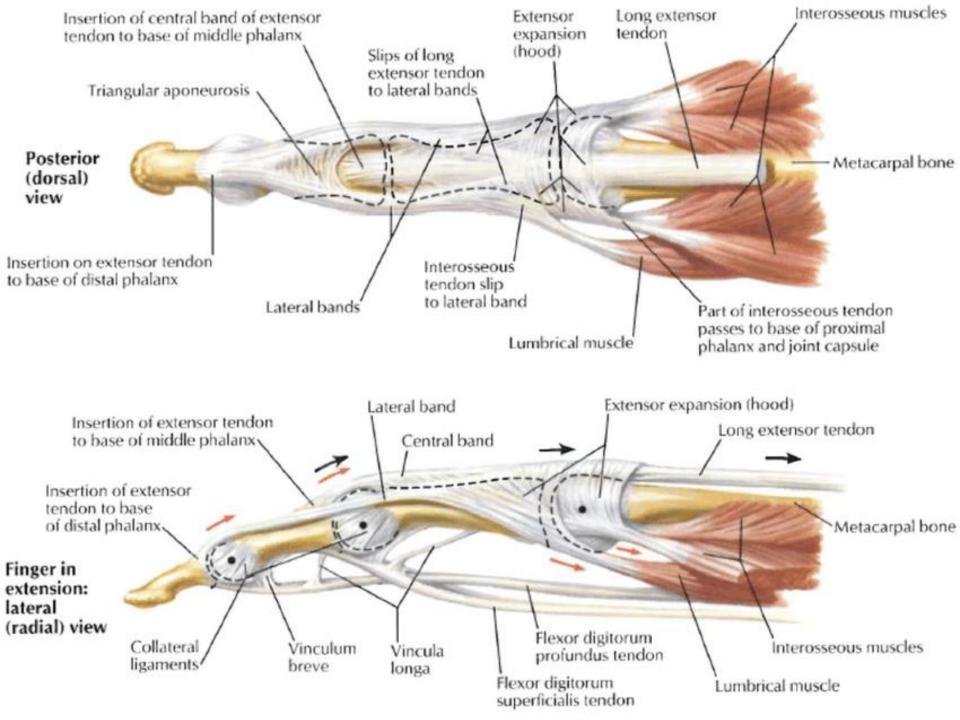
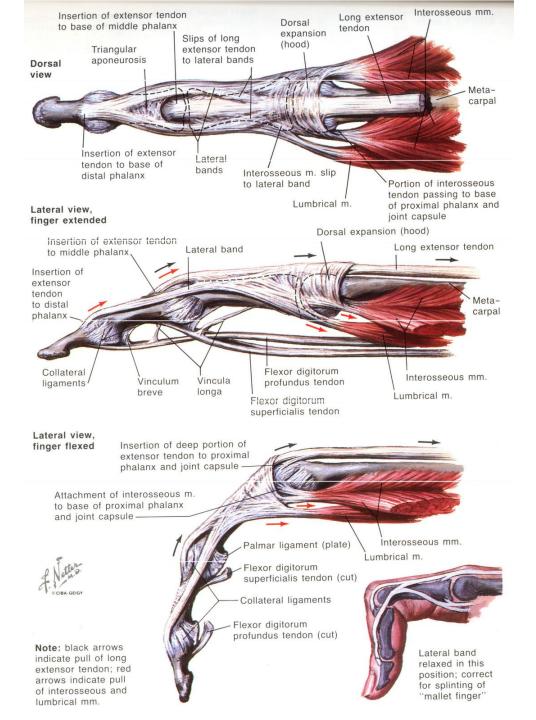
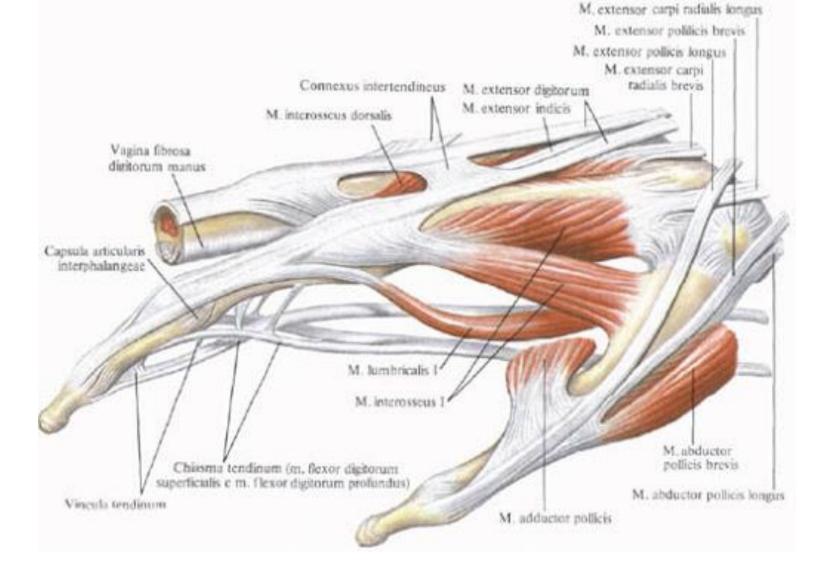
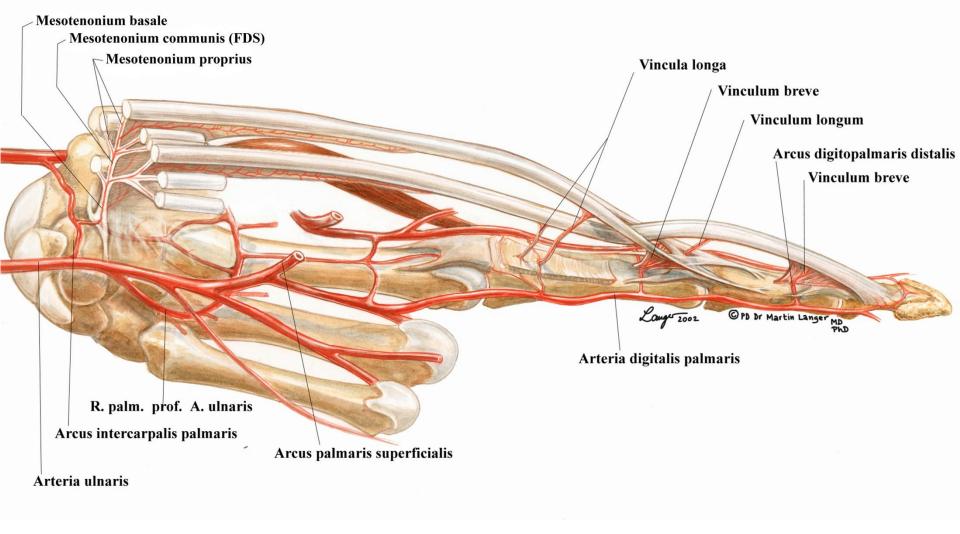


Fig. 1.23 The extensor mechanism of the lingers. (Reprinted with permission from www.nederlinages.com & Elsevier Inc. All Rights Reserved.)

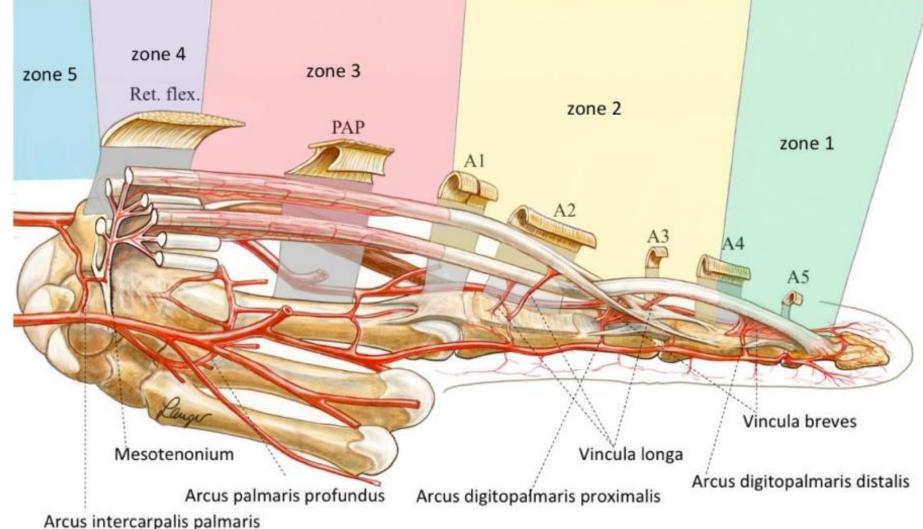




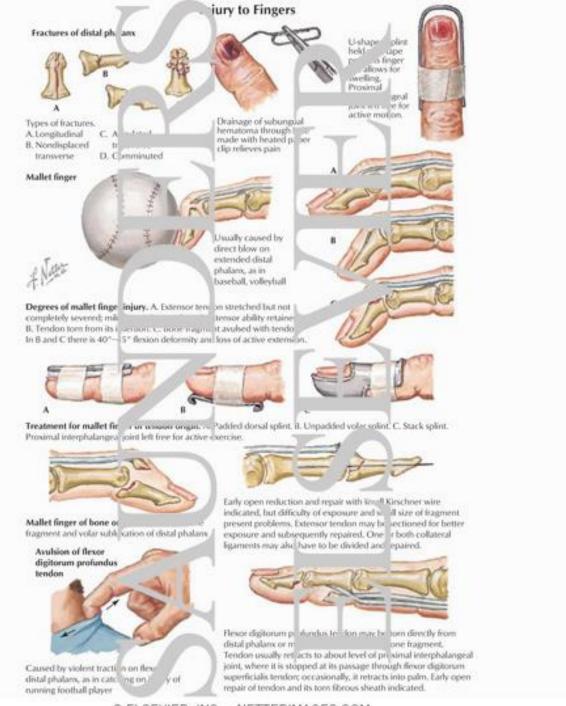


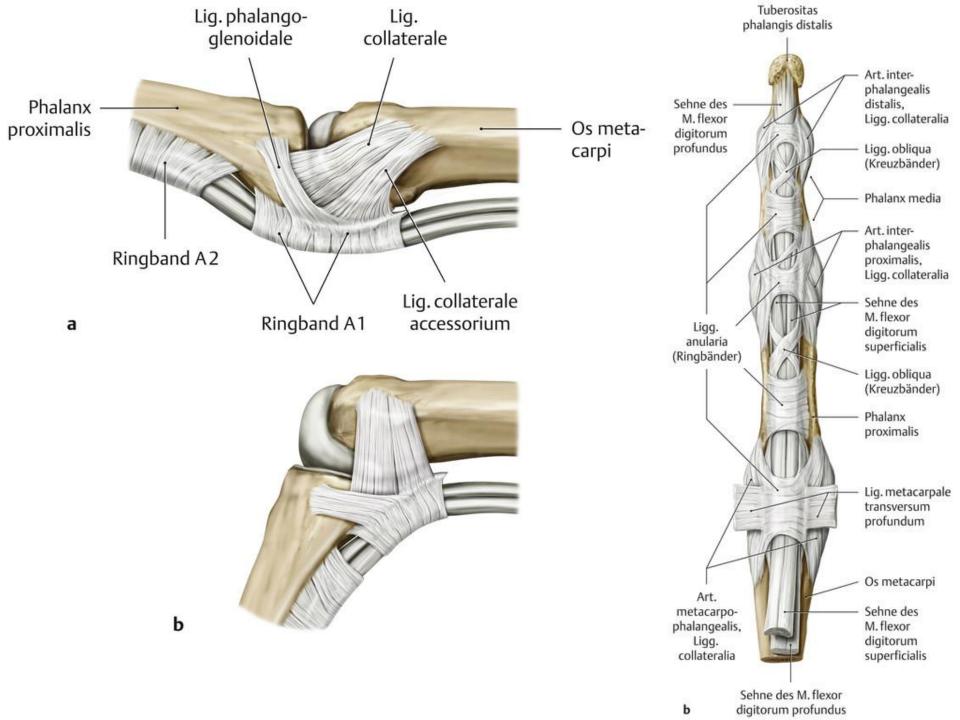


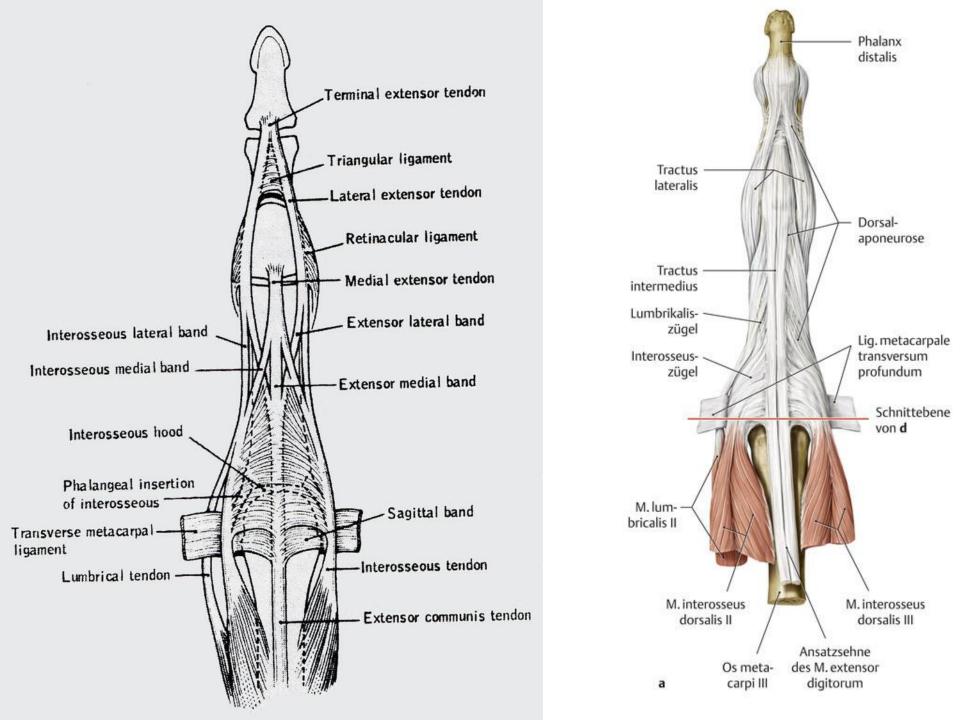
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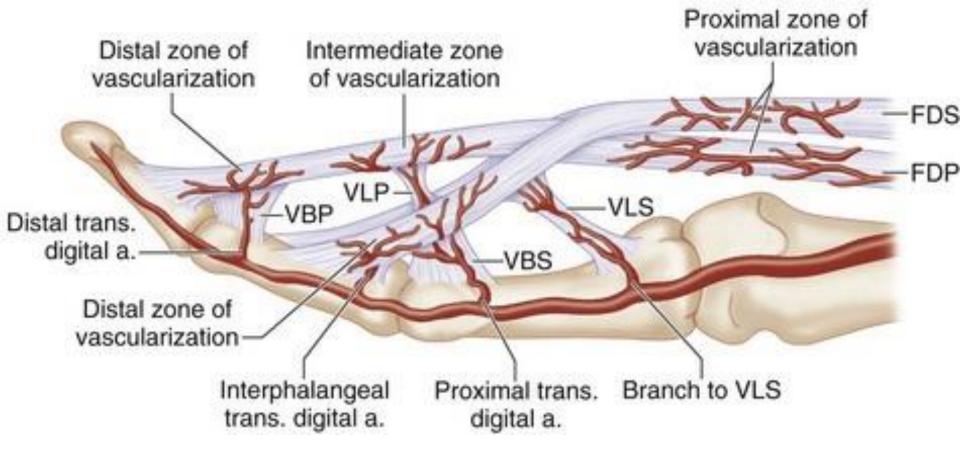


Arcus intercarpalis palmaris





















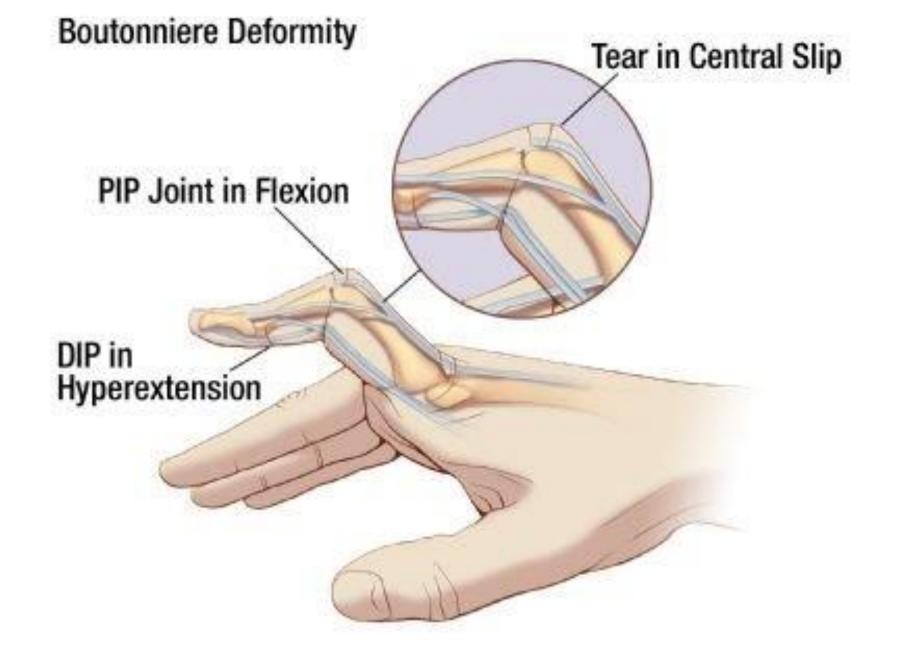
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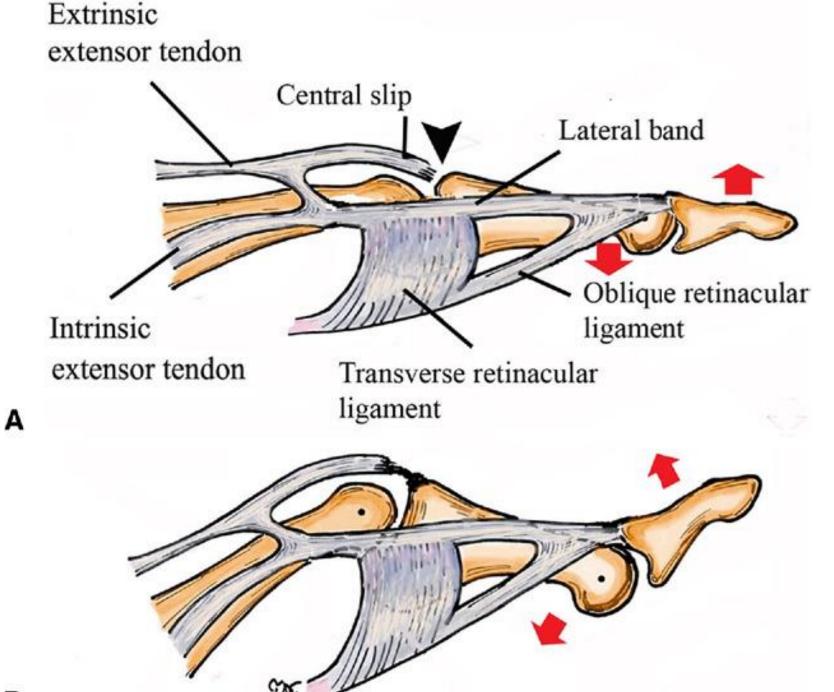




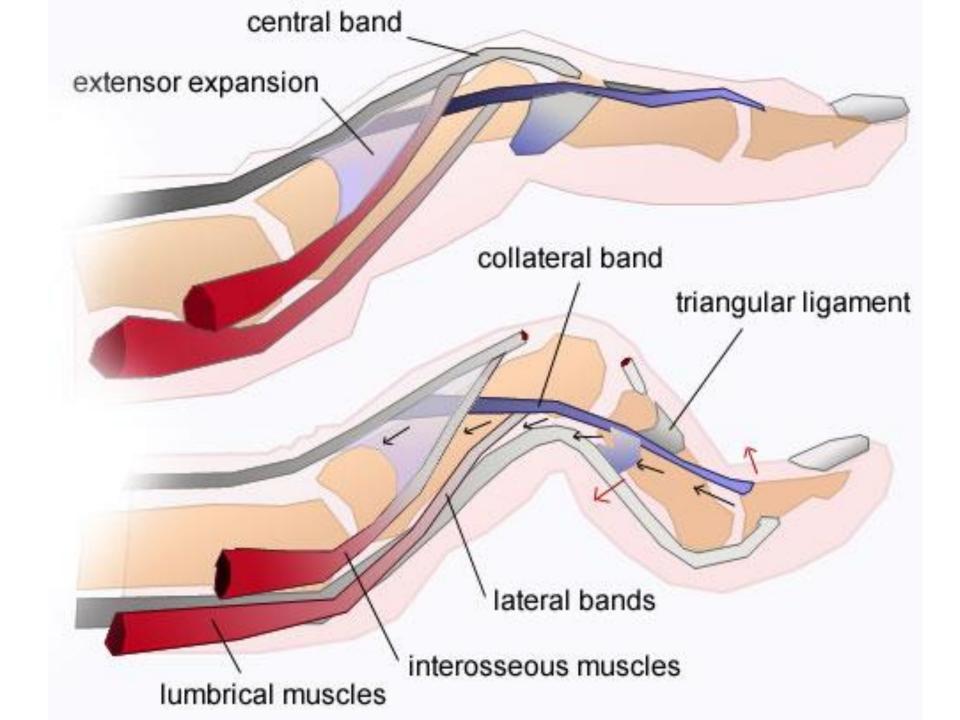


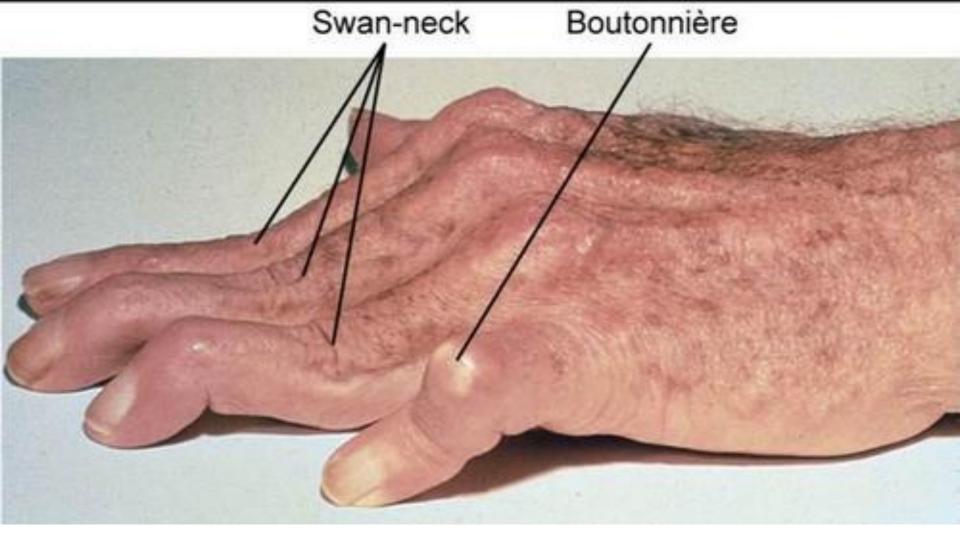






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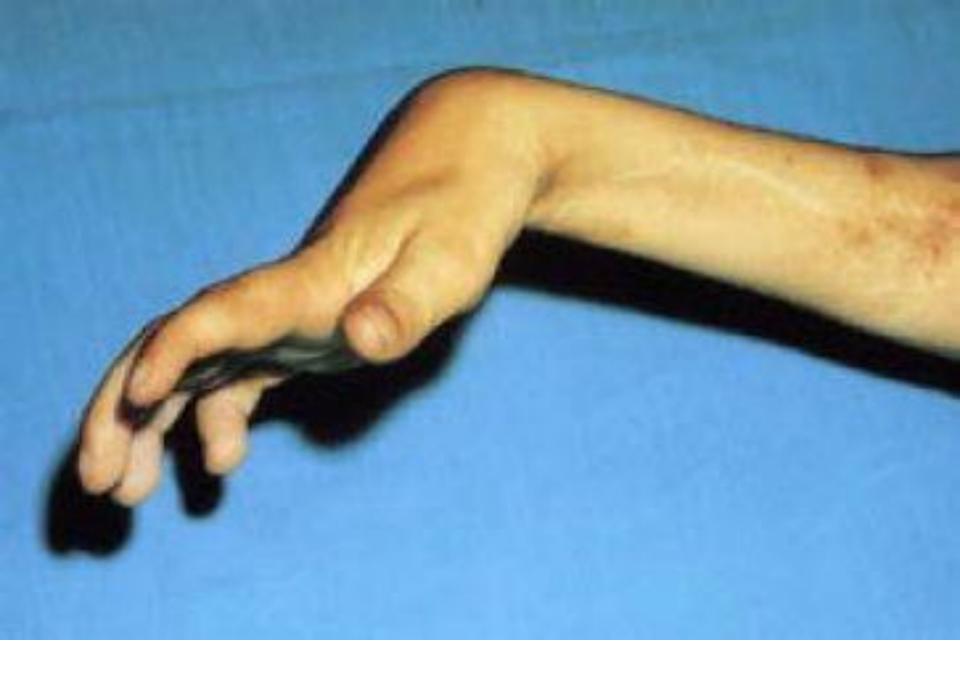


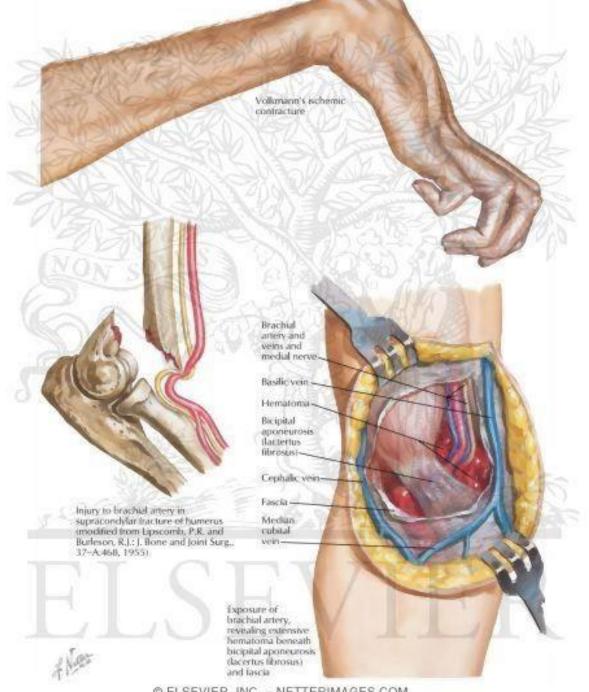






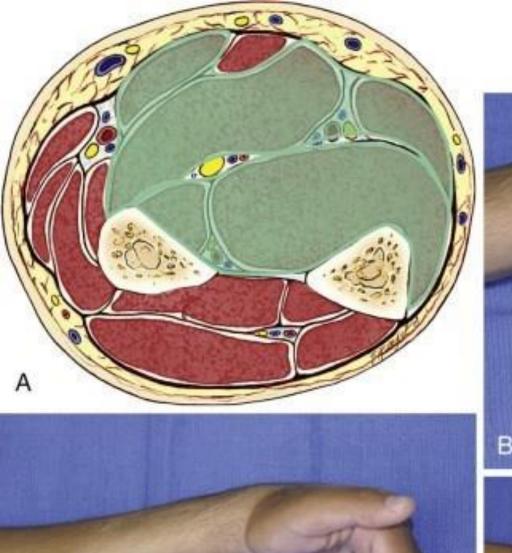






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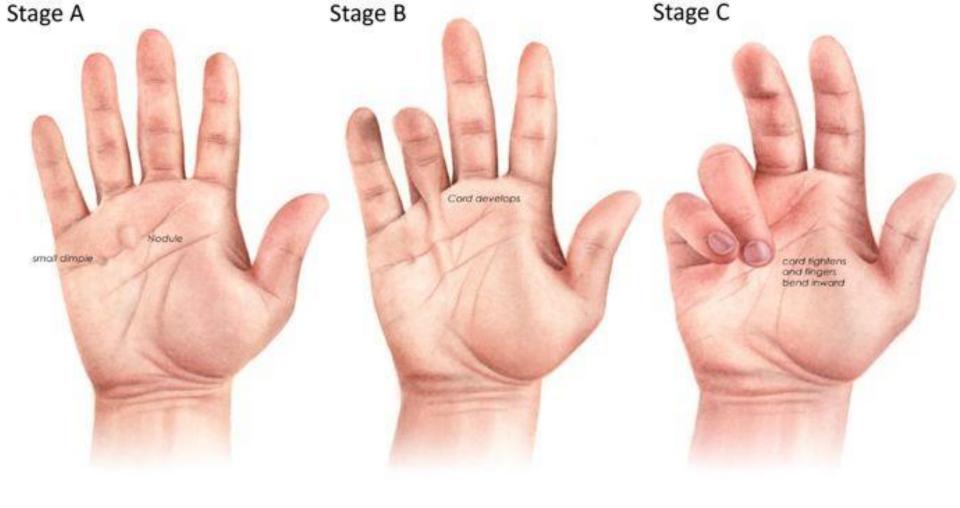






























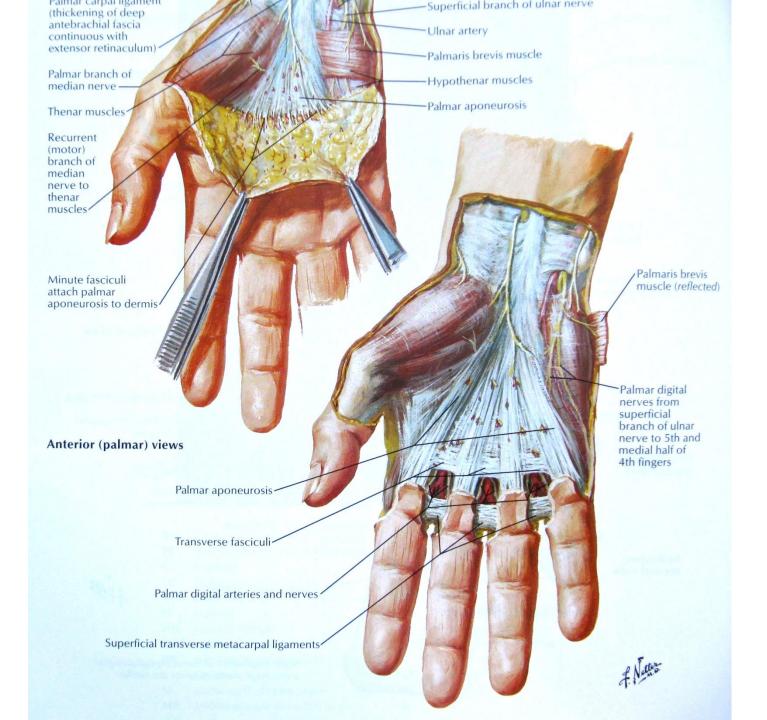


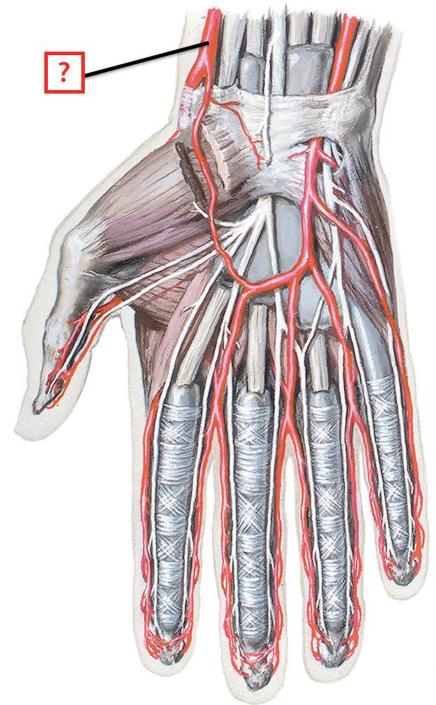




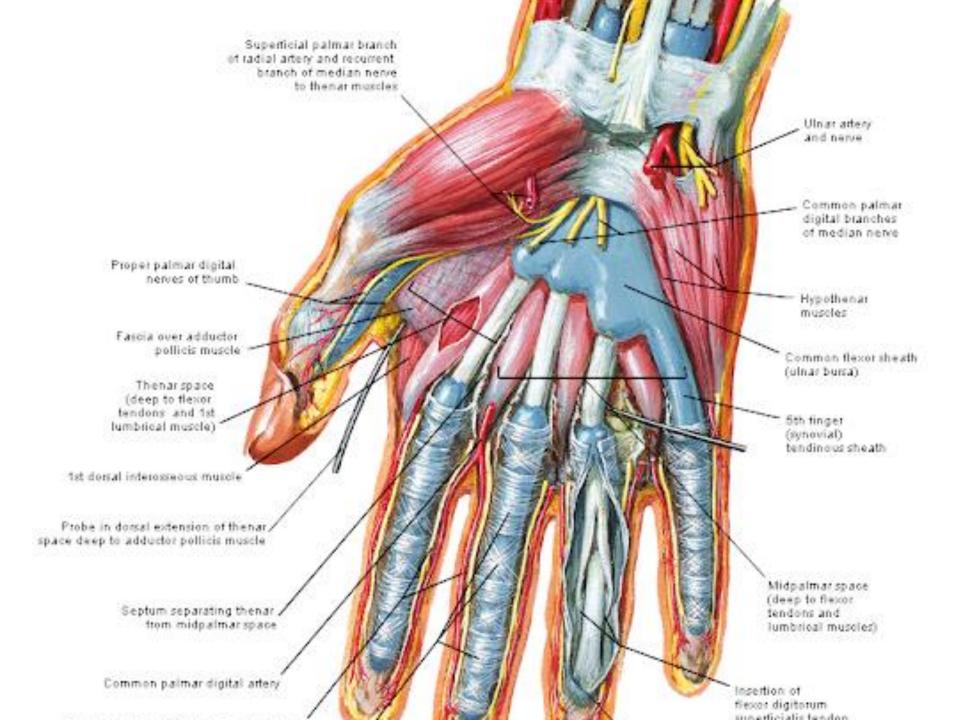


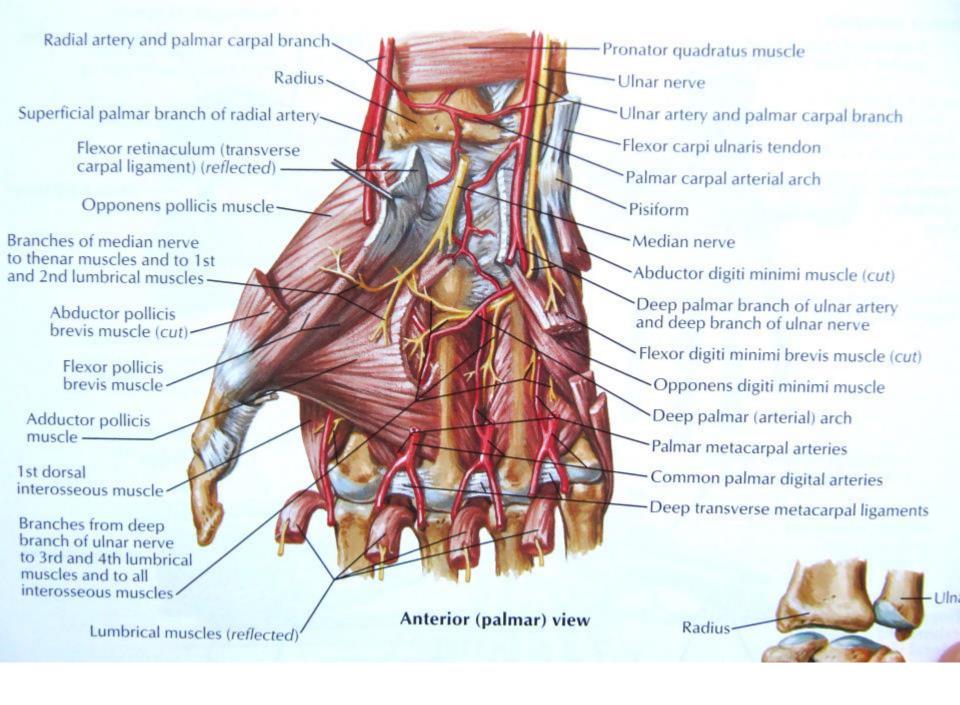


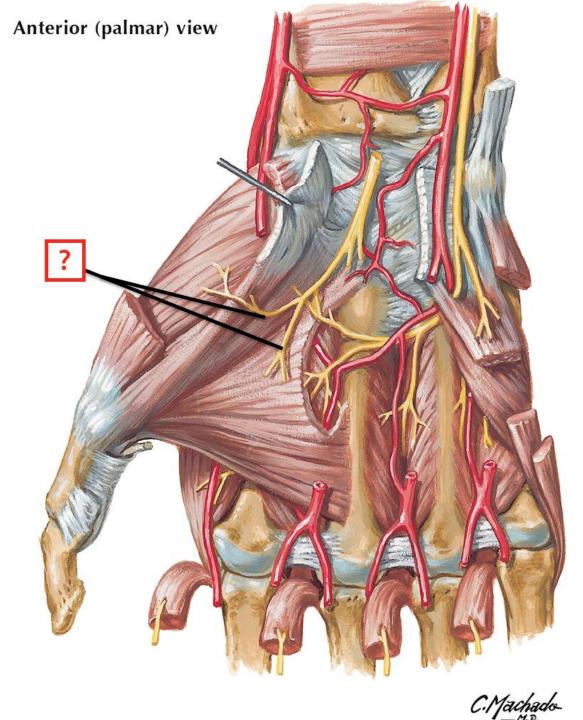


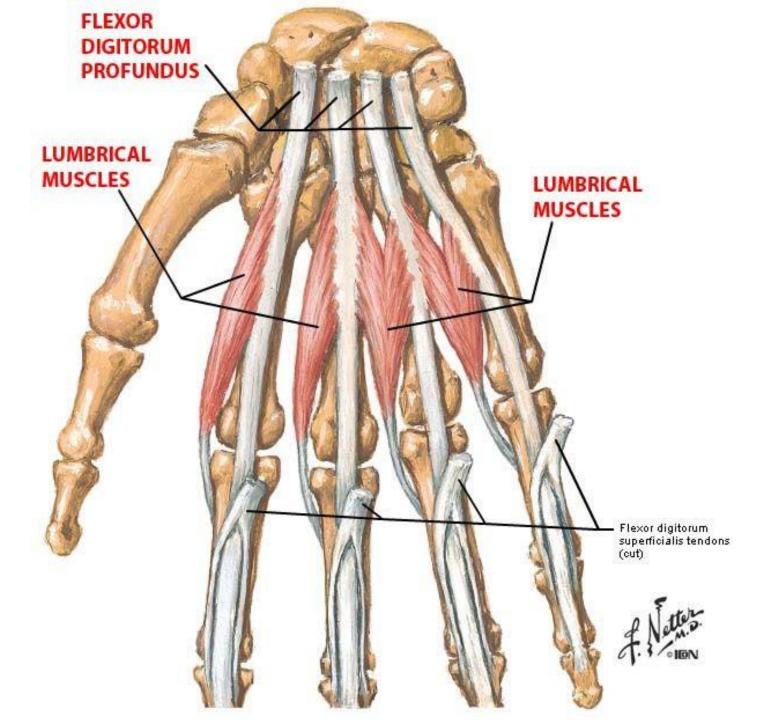


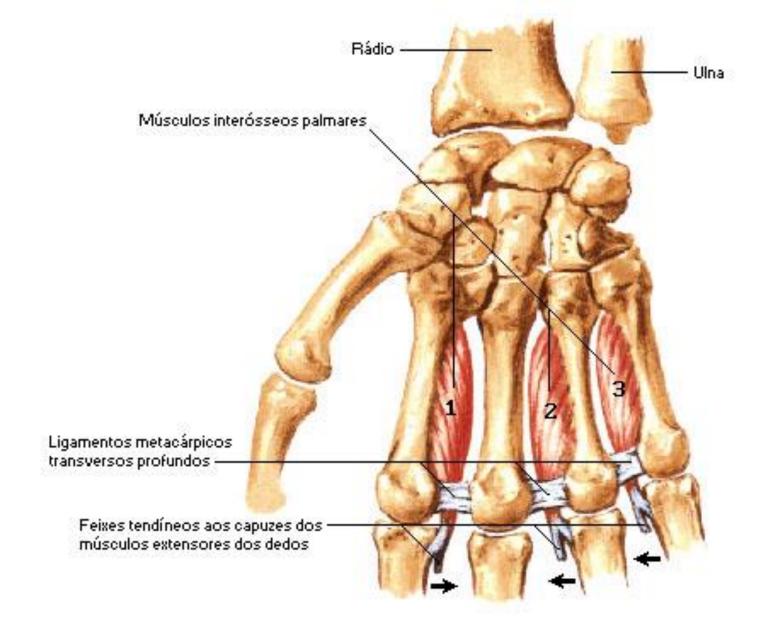
A Nather

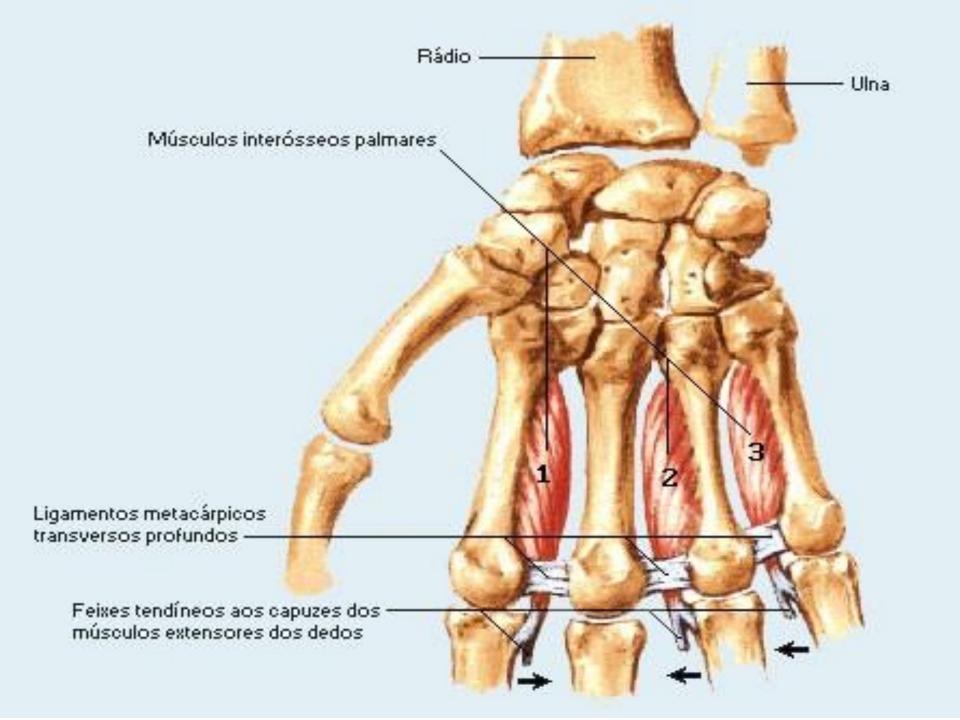


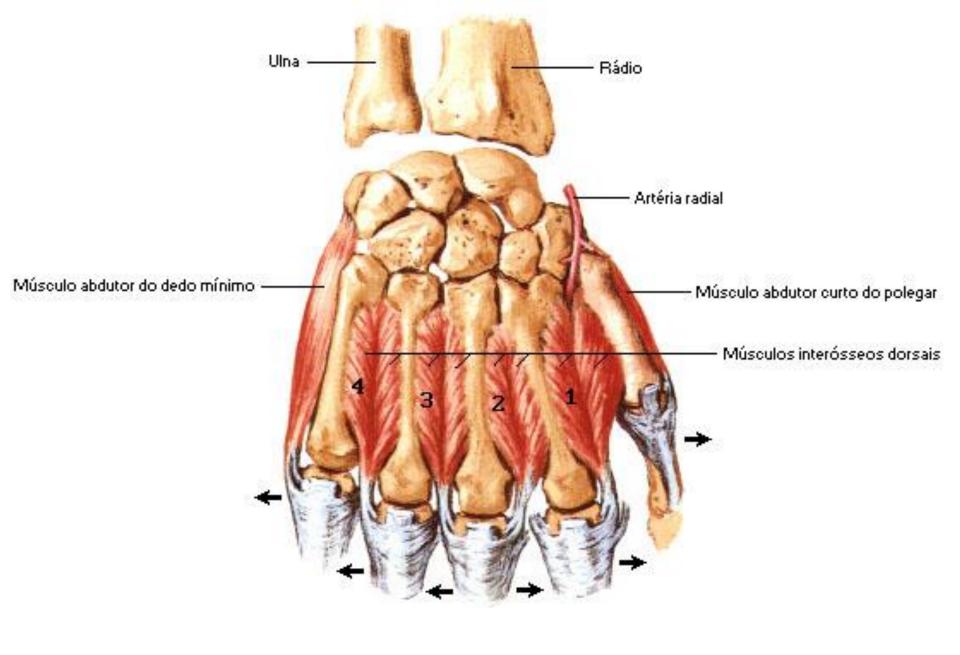






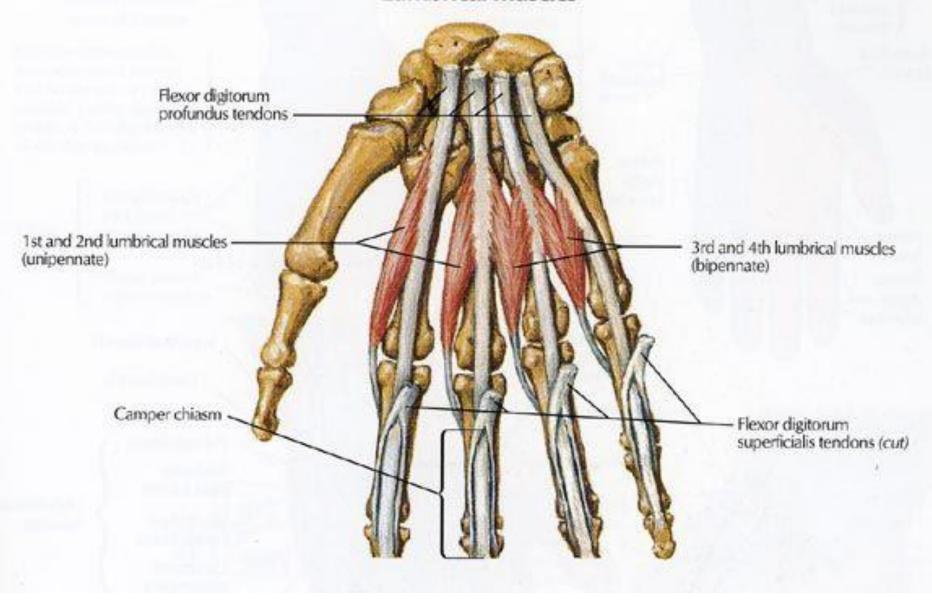


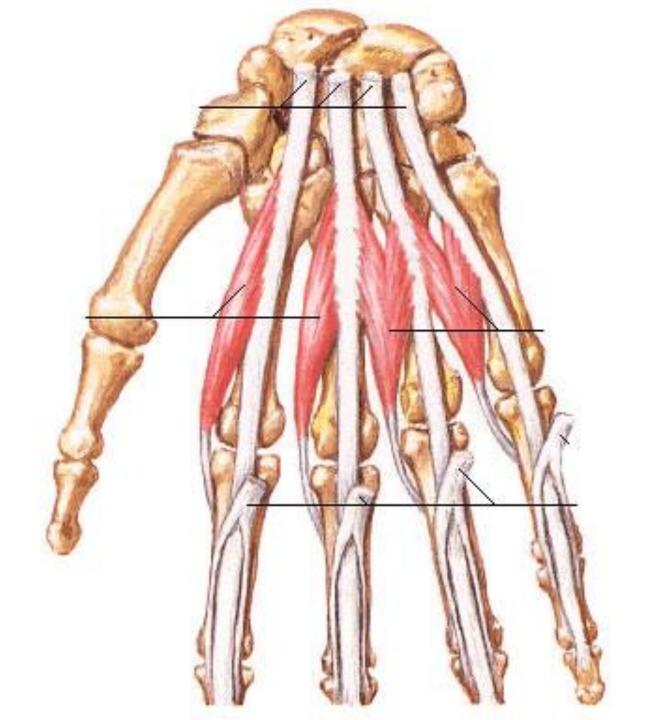






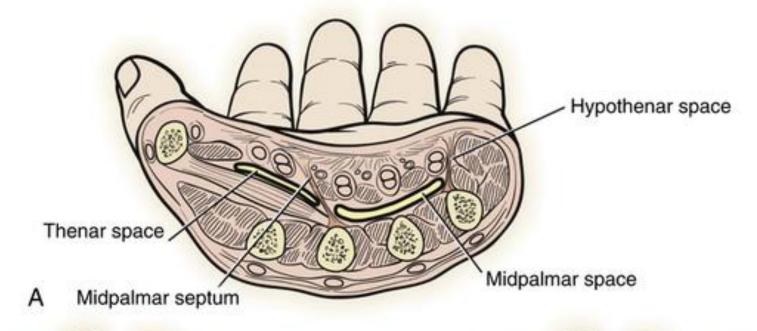
## **Lumbrical muscles**

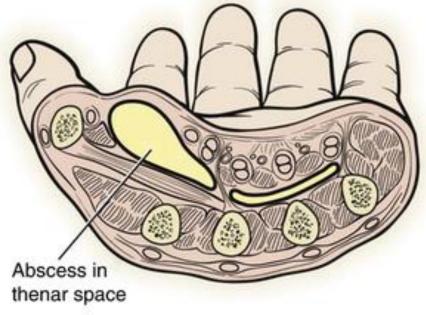


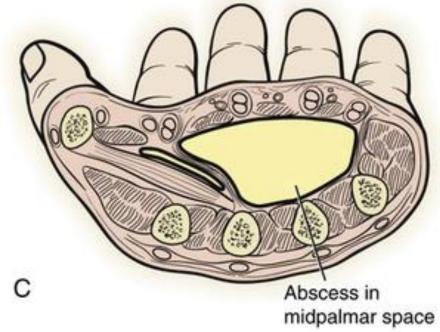


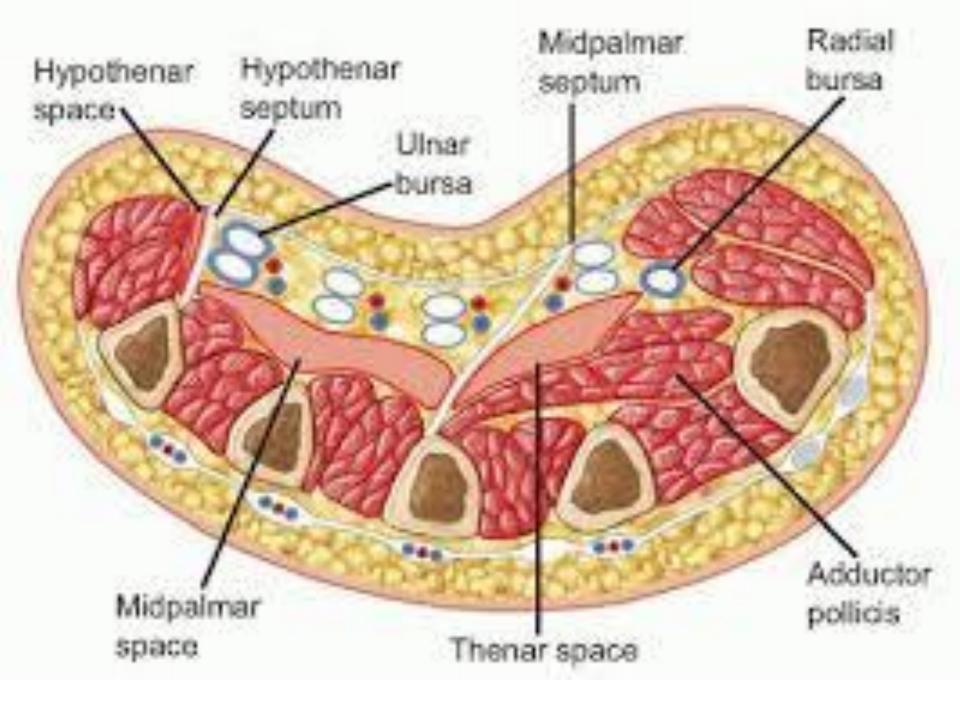


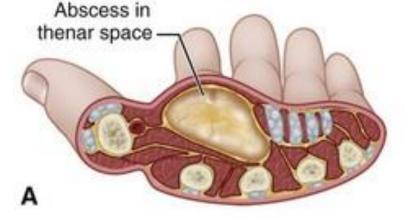
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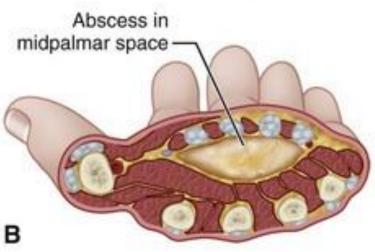


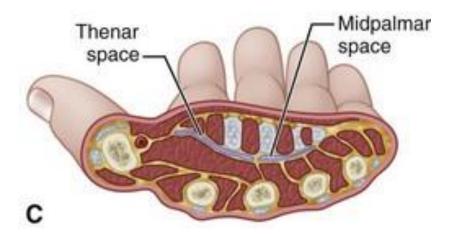


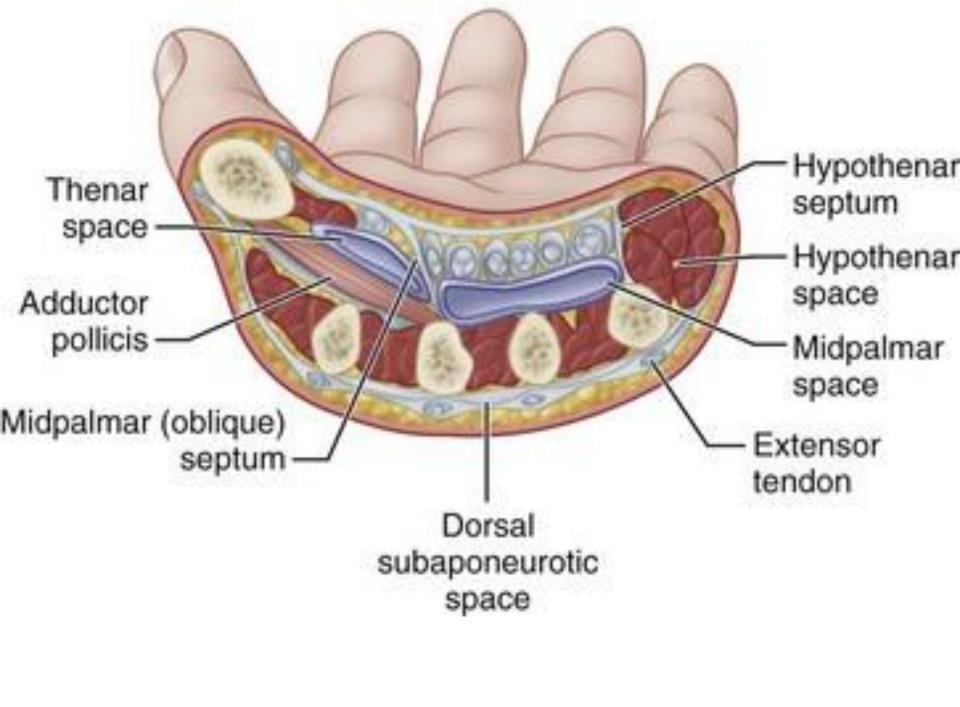


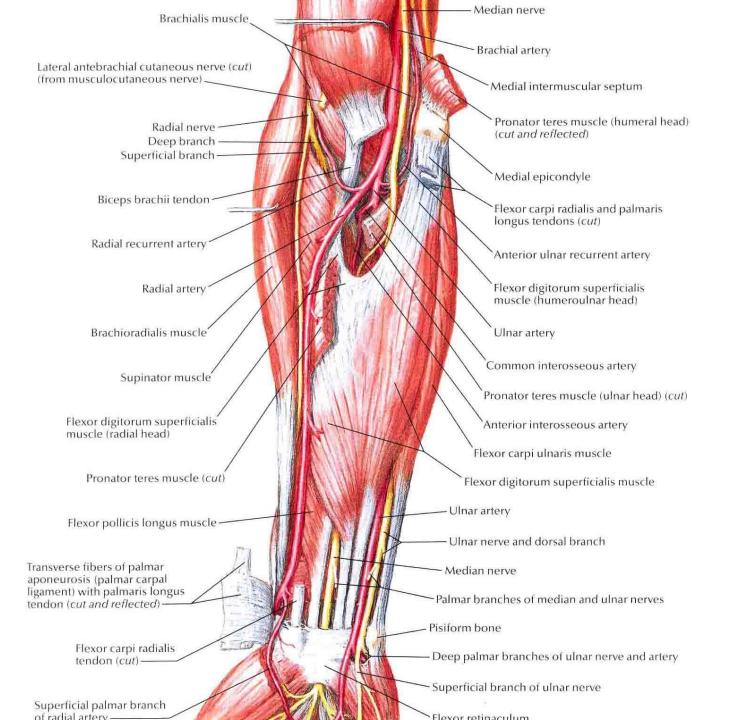


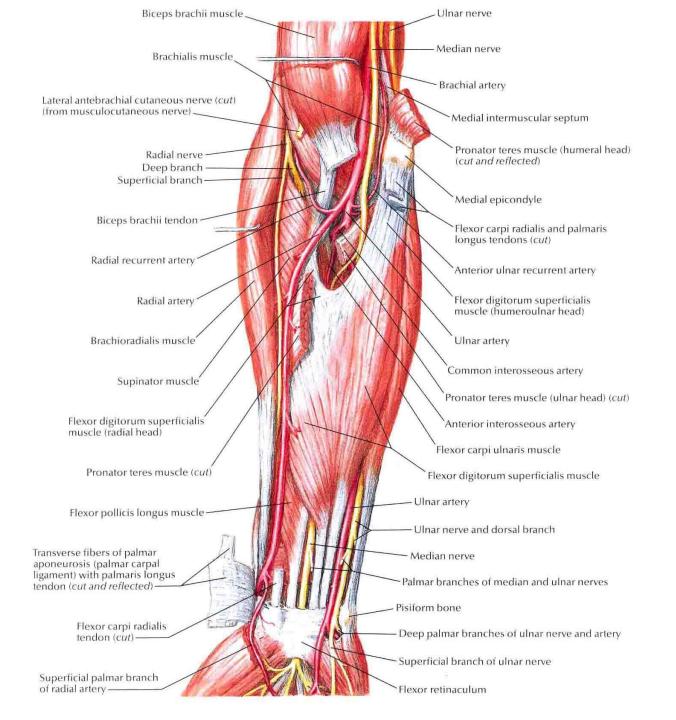


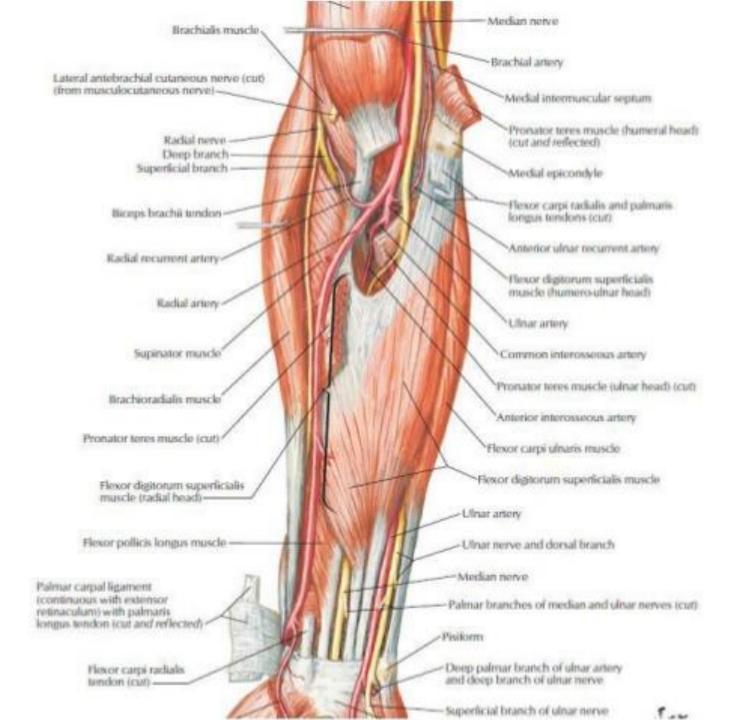


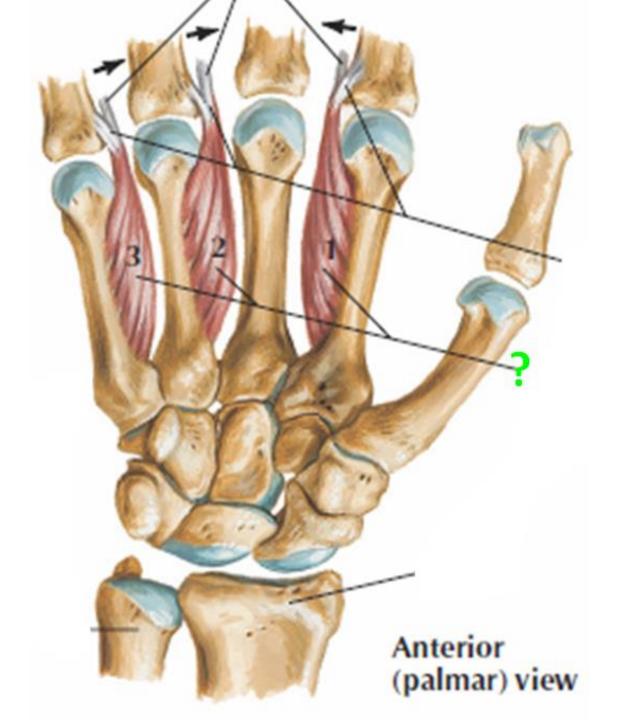


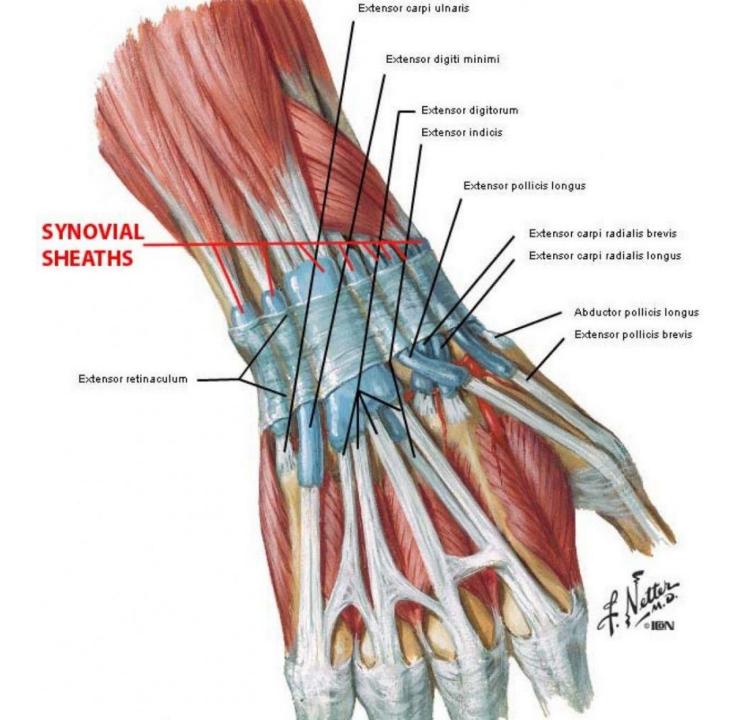


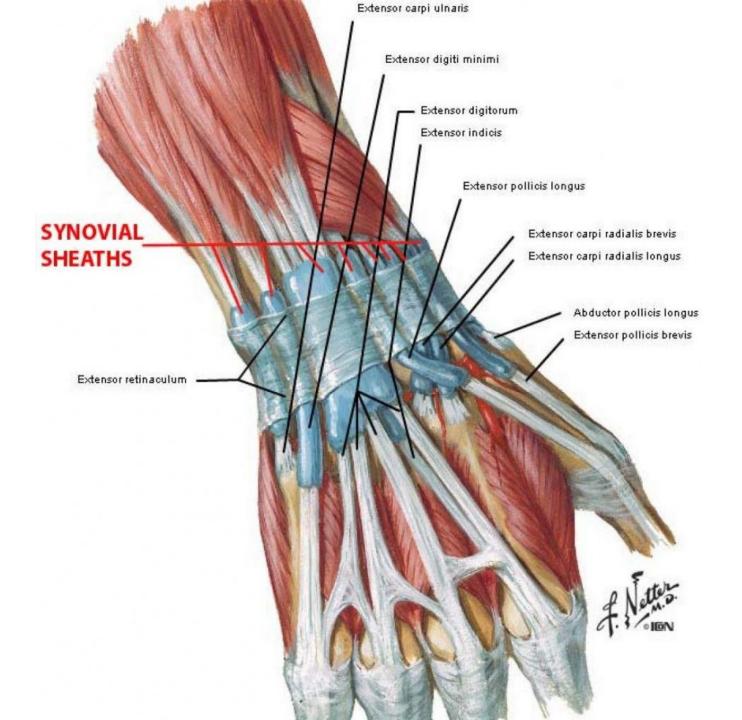












Extensor compartments

