

Anatomy of the Hand and Nomenclature





Ossification of bones: carpus



Ossification of bones: carpus



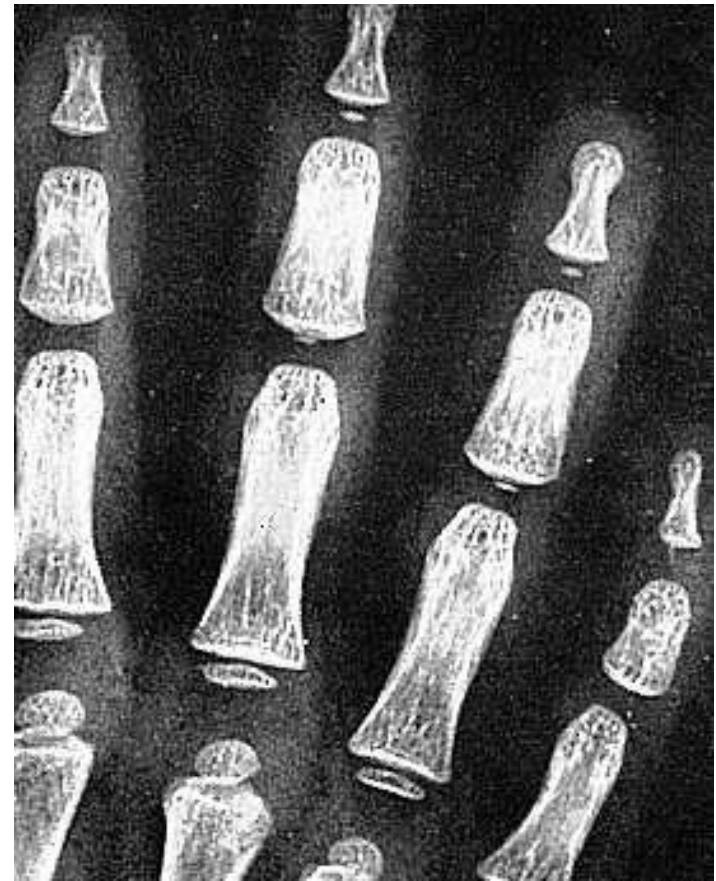
Ossification of bones: metacarpus

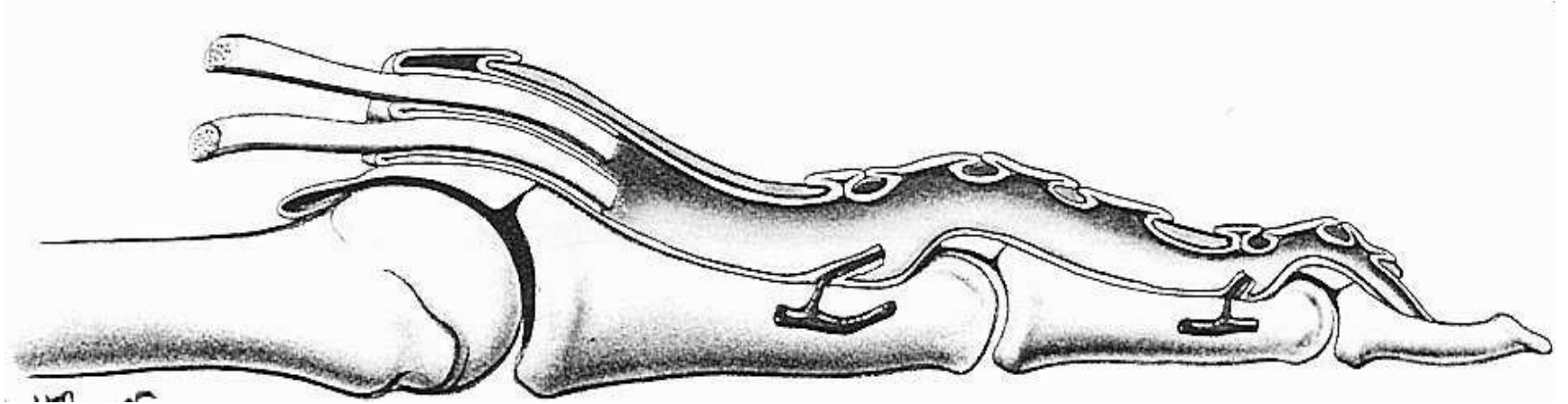


Ossification of bones: metacarpus

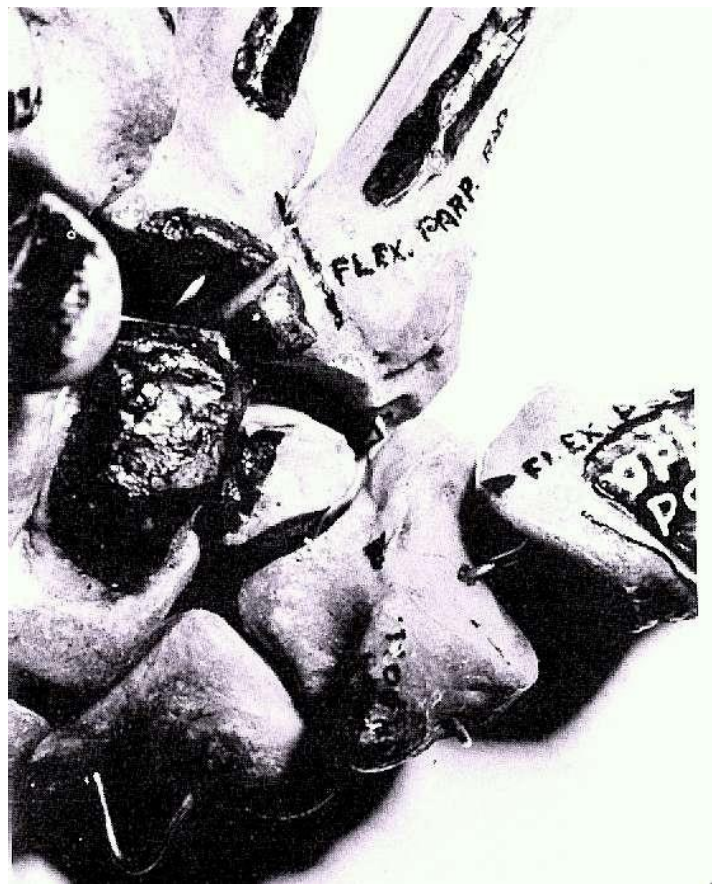


Ossification of bones: phalanges





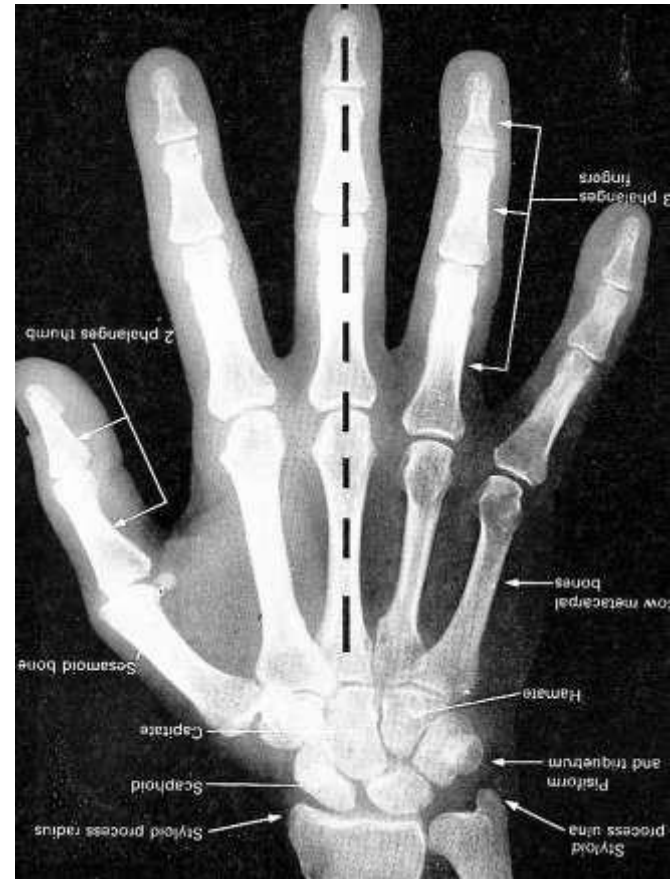
CMC Joint of the Thumb



CMC Joint of the Thumb



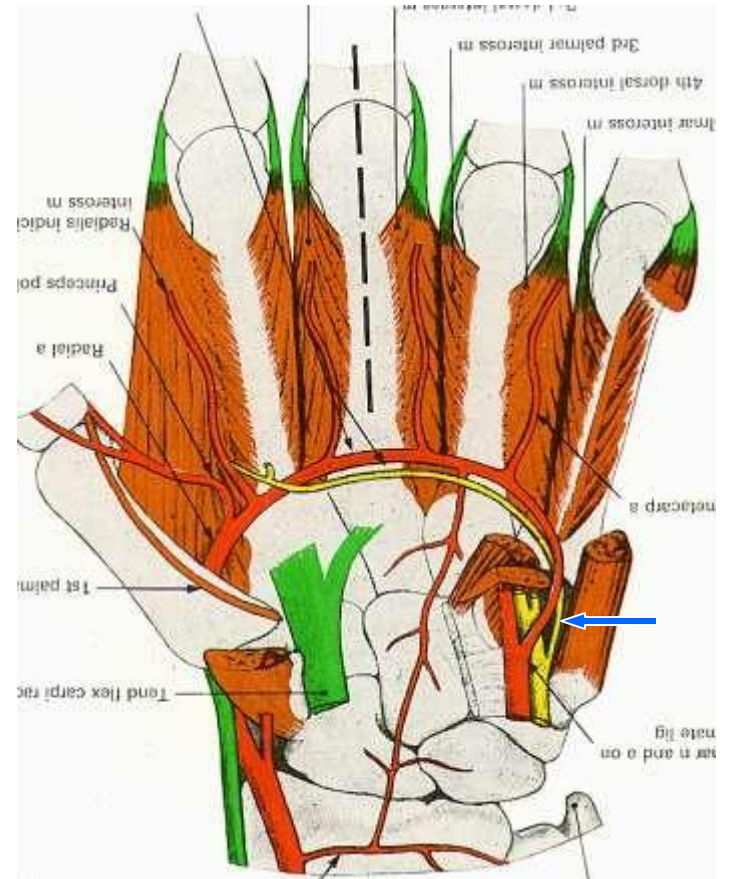
2nd to 5th CMC Joints



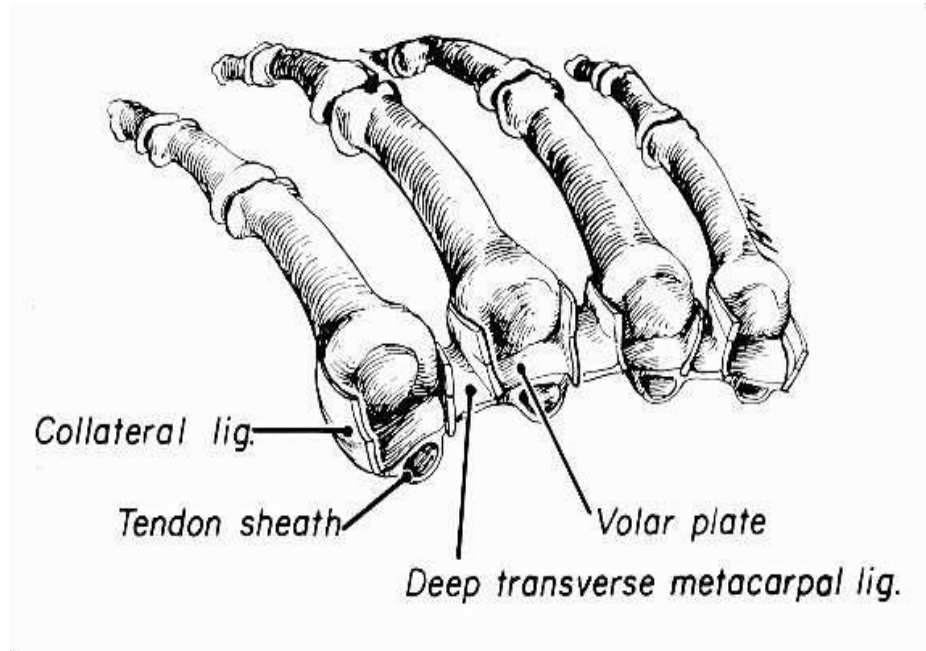
2nd to 5th CMC Joints



2nd to 5th CMC Joints



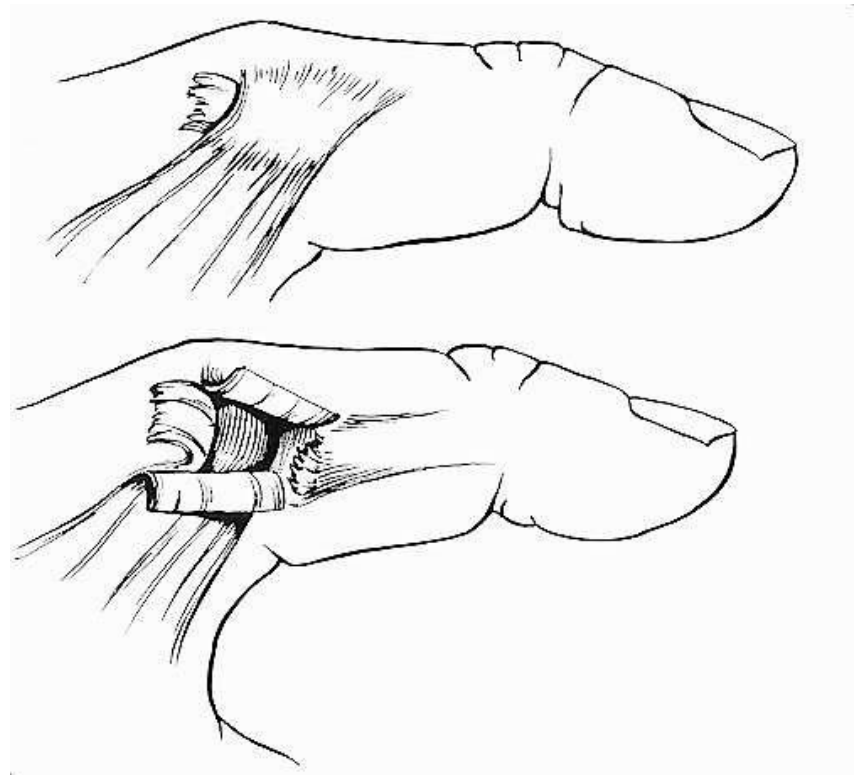
Intermetacarpal Joints



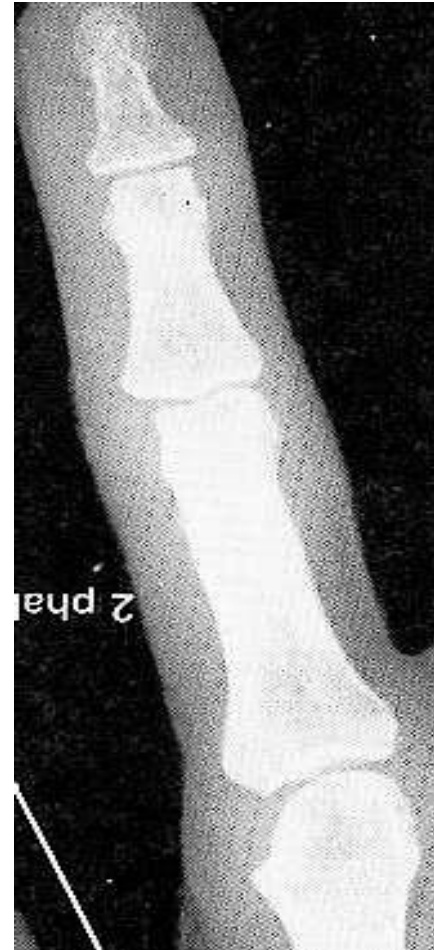
MCP Joint of the Thumb



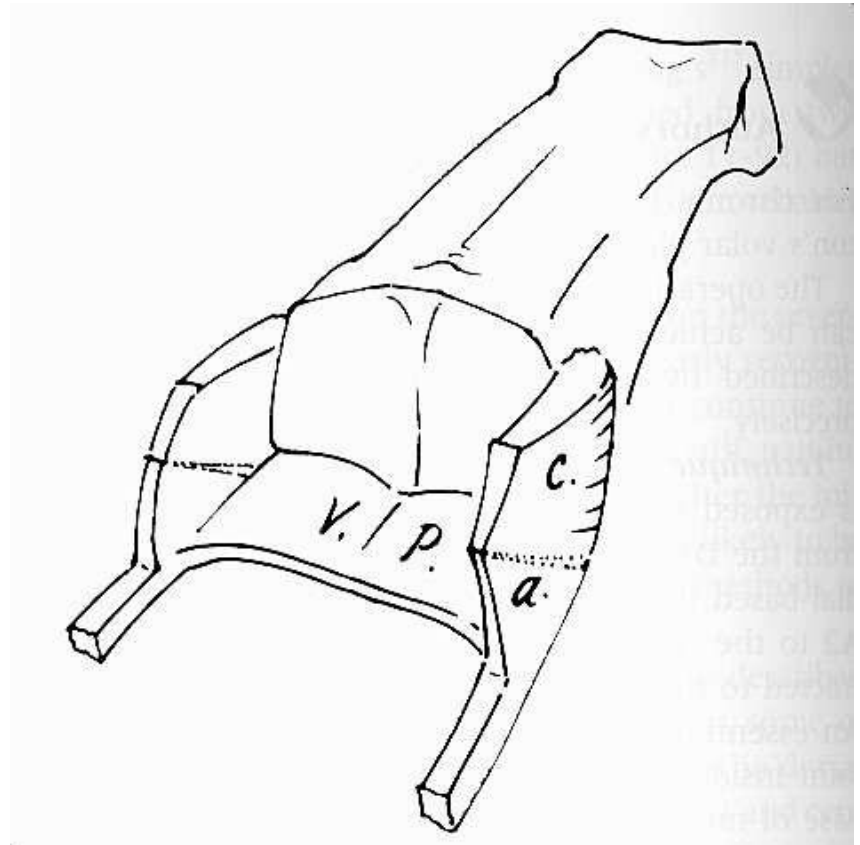
MCP Joint of the Thumb



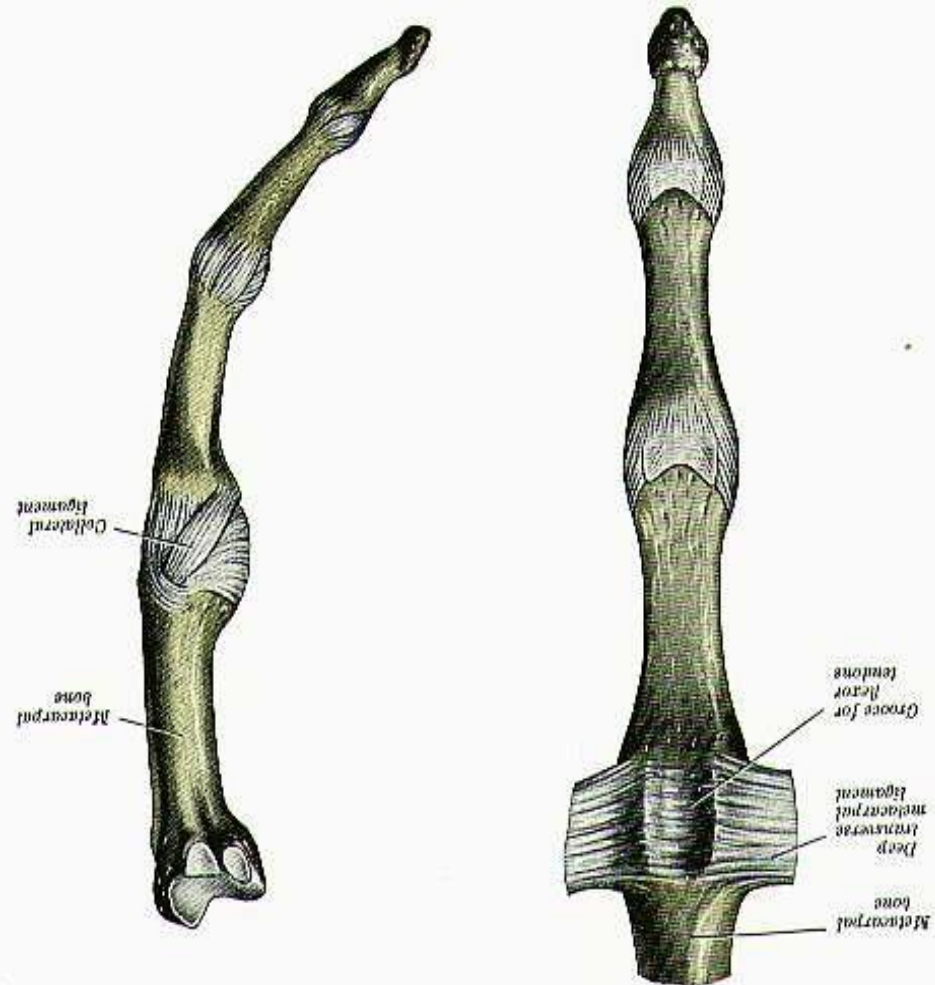
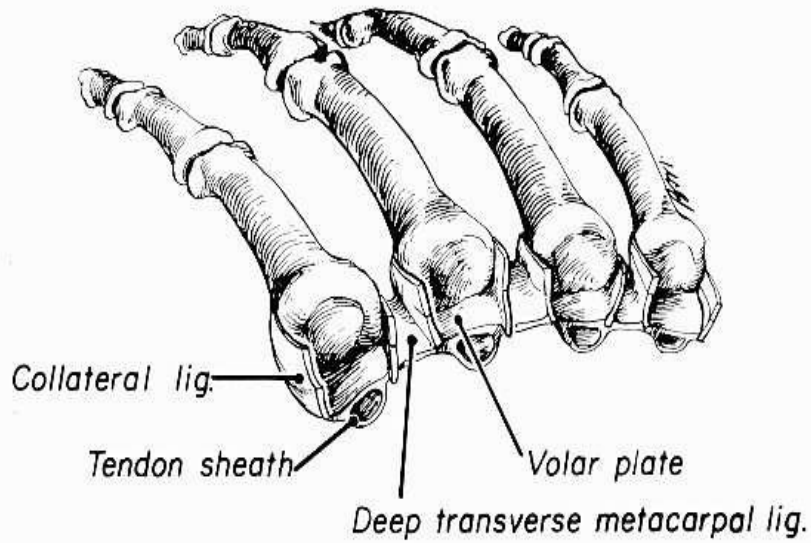
2nd to 5th MCP Joints



2nd to 5 MCP Joints



2nd to 5 MCP Joints



2nd to 5 MCP Joints

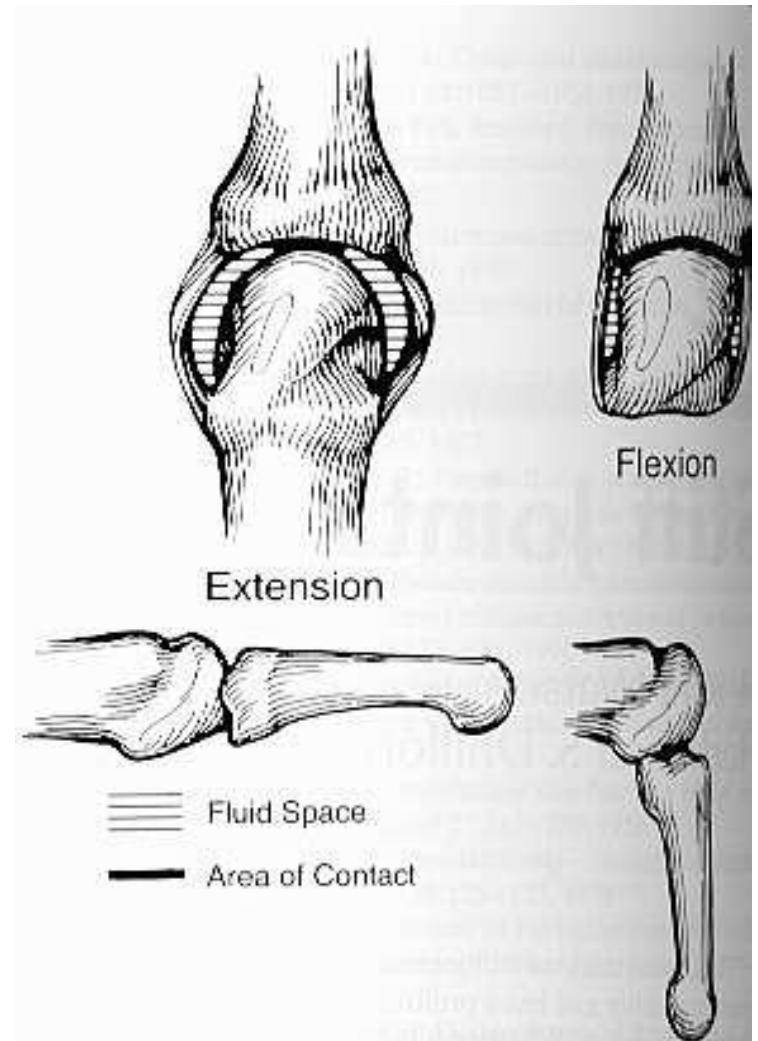
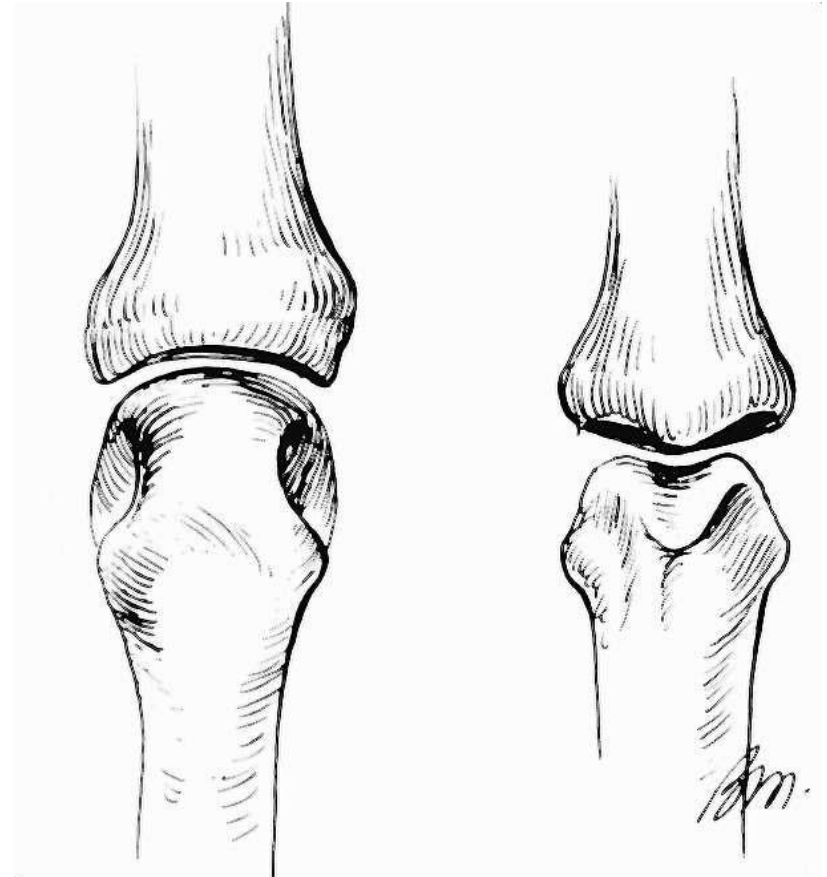
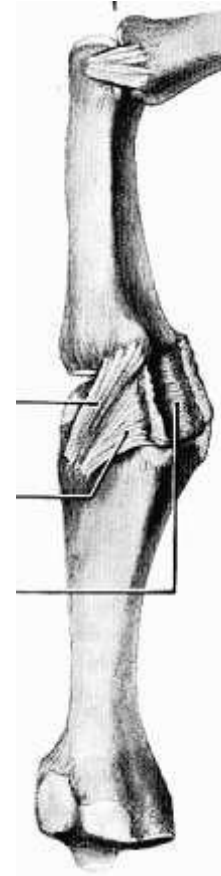


fig. 12-1. Anatomy of the extended MP joint differs significantly

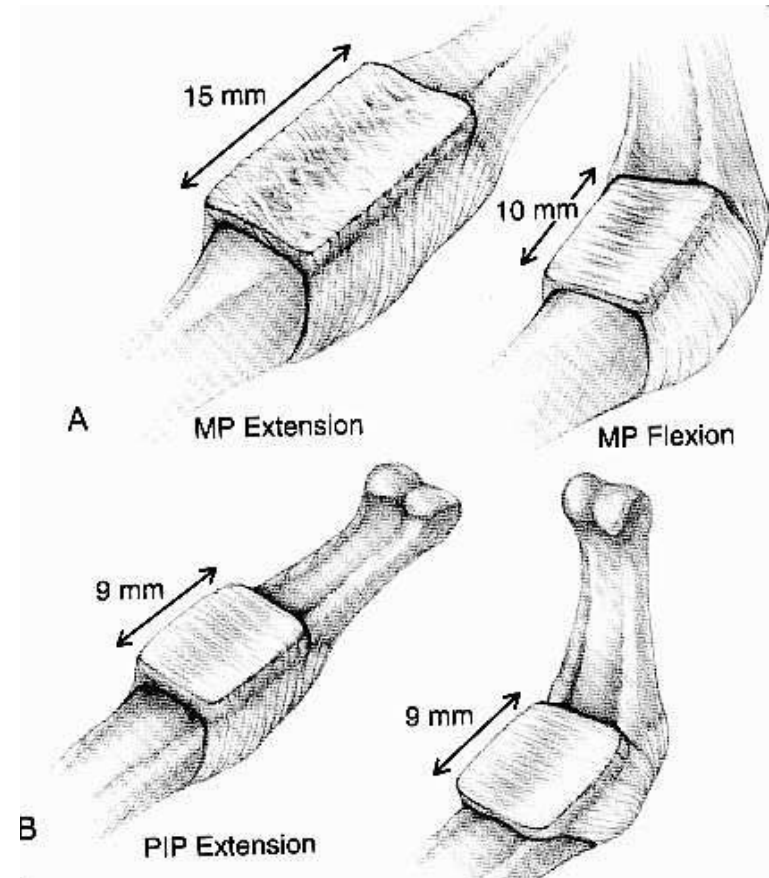
Interphalangeal Joint



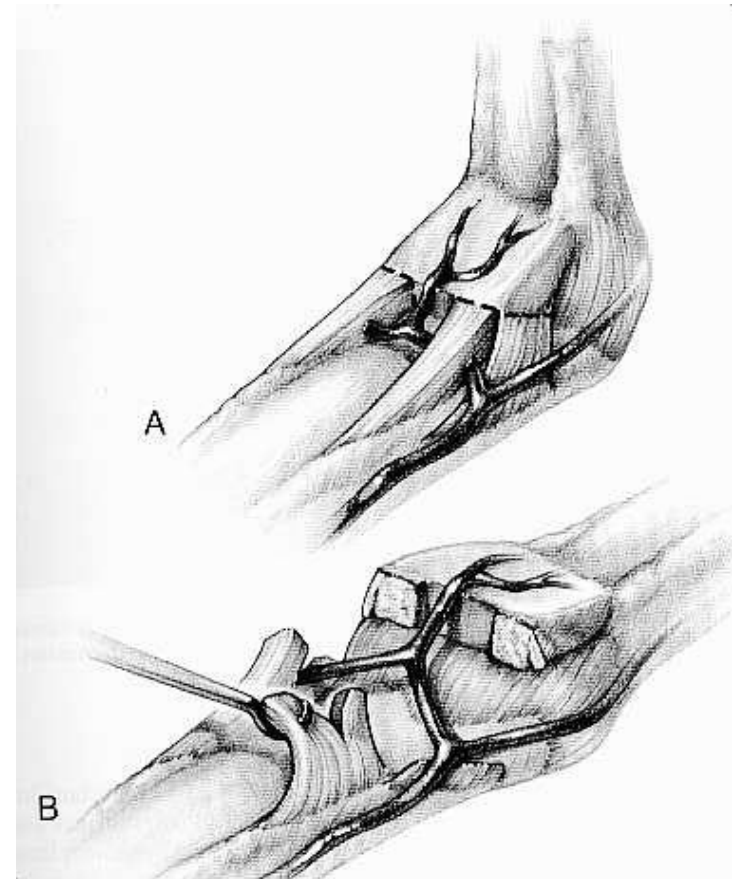
Interphalangeal Joint



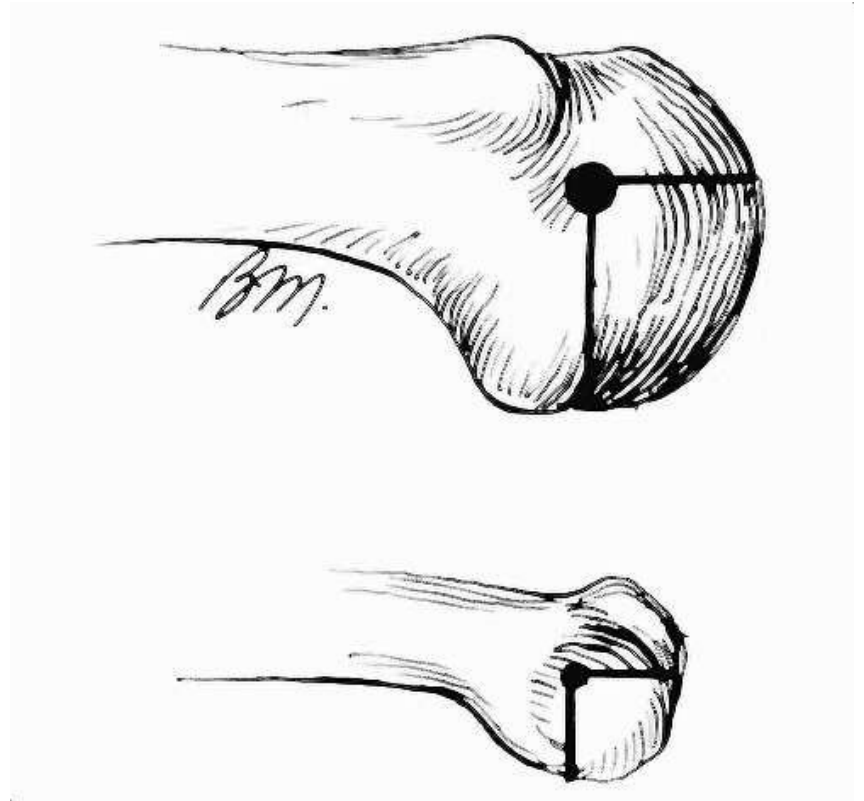
Volar Plate



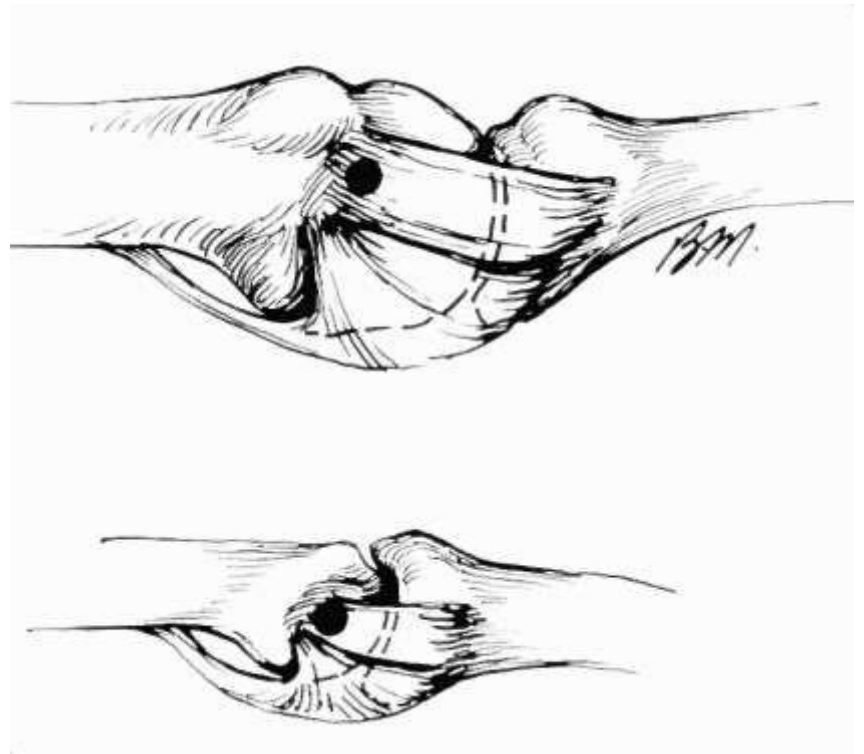
Interphalangeal joint: check rein ligaments



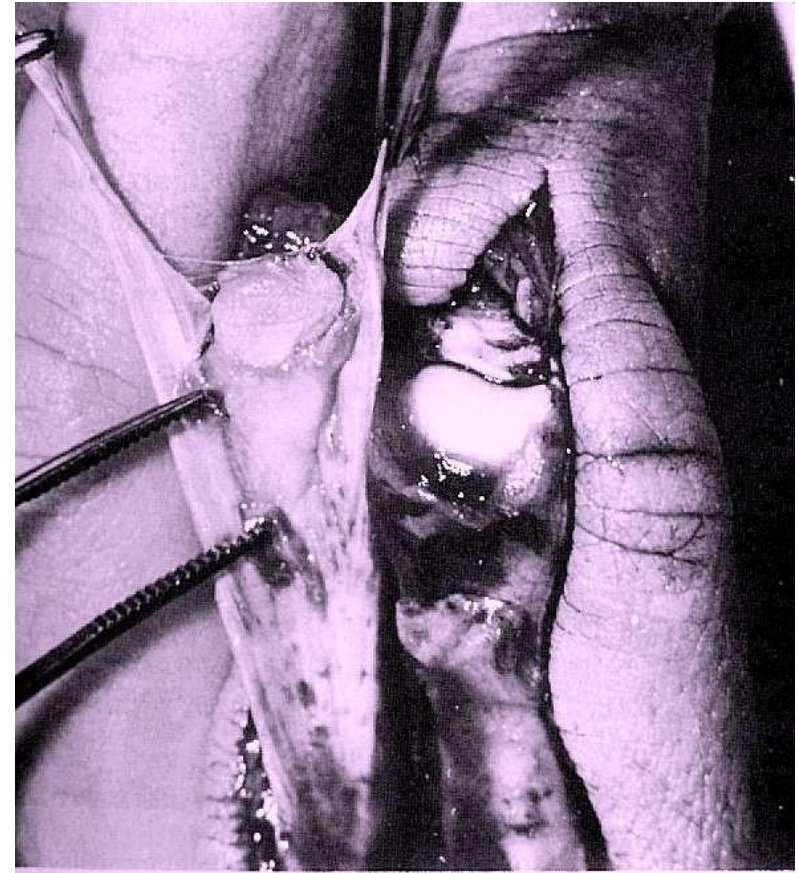
Interphalangeal Joint



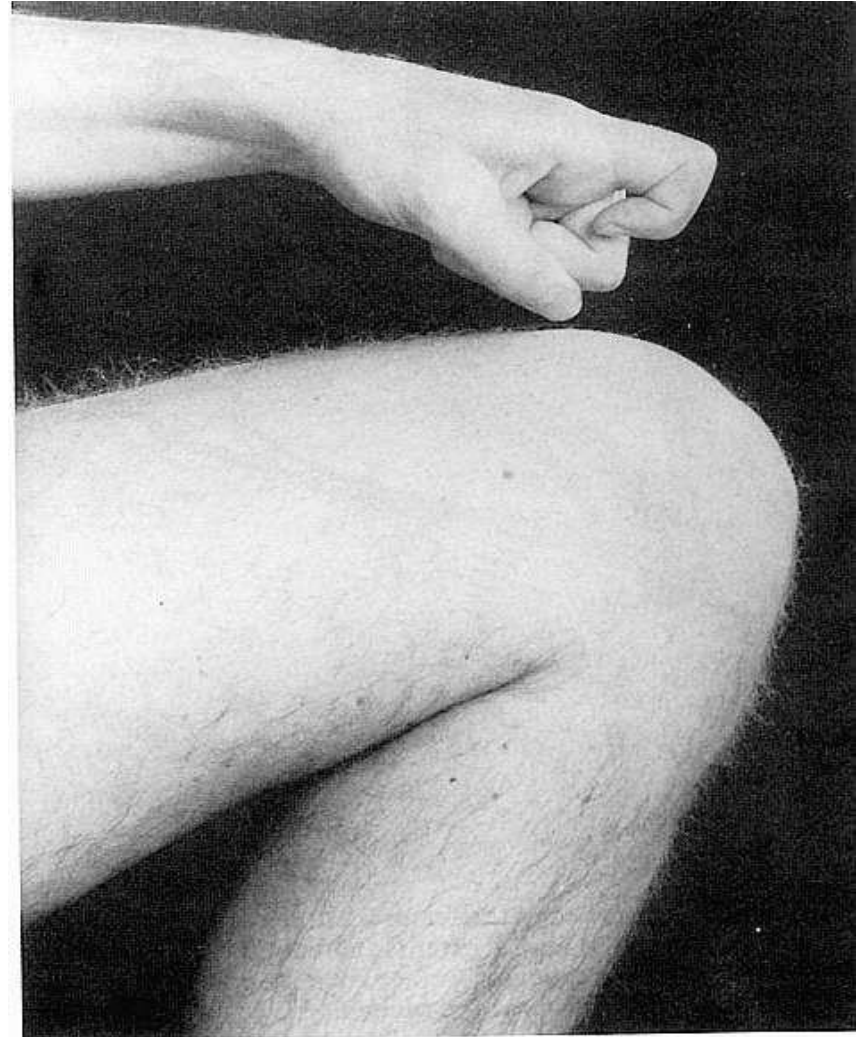
Interphalangeal Joint



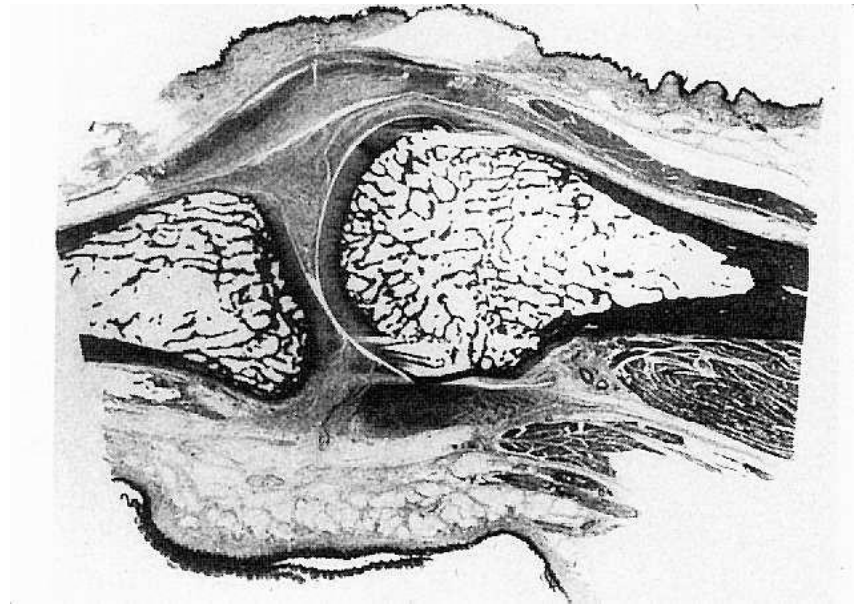
Dorsal Plate of the PIP Joint



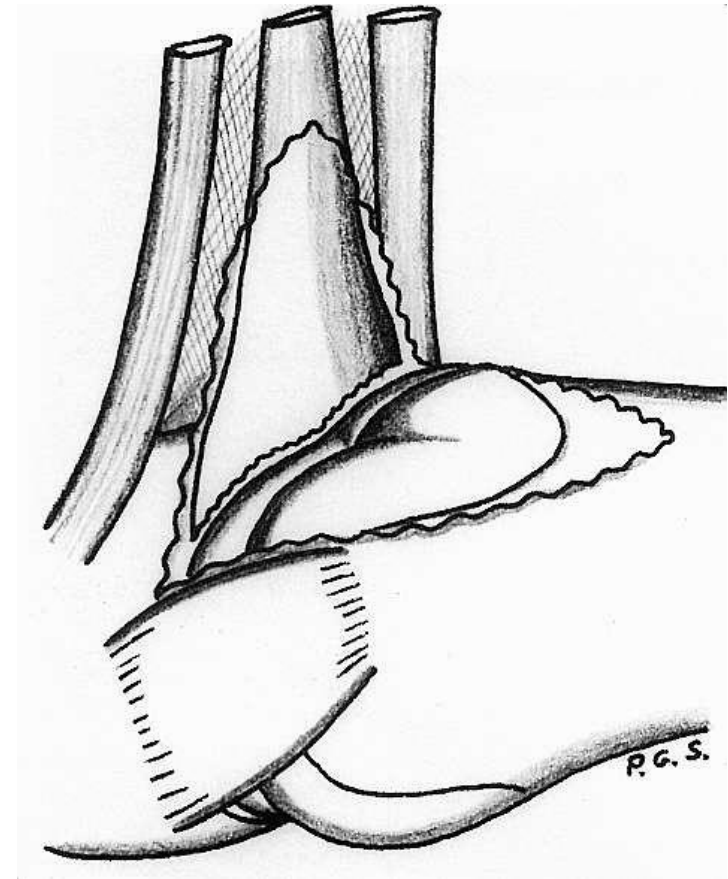
Dorsal Plate of the PIP Joint



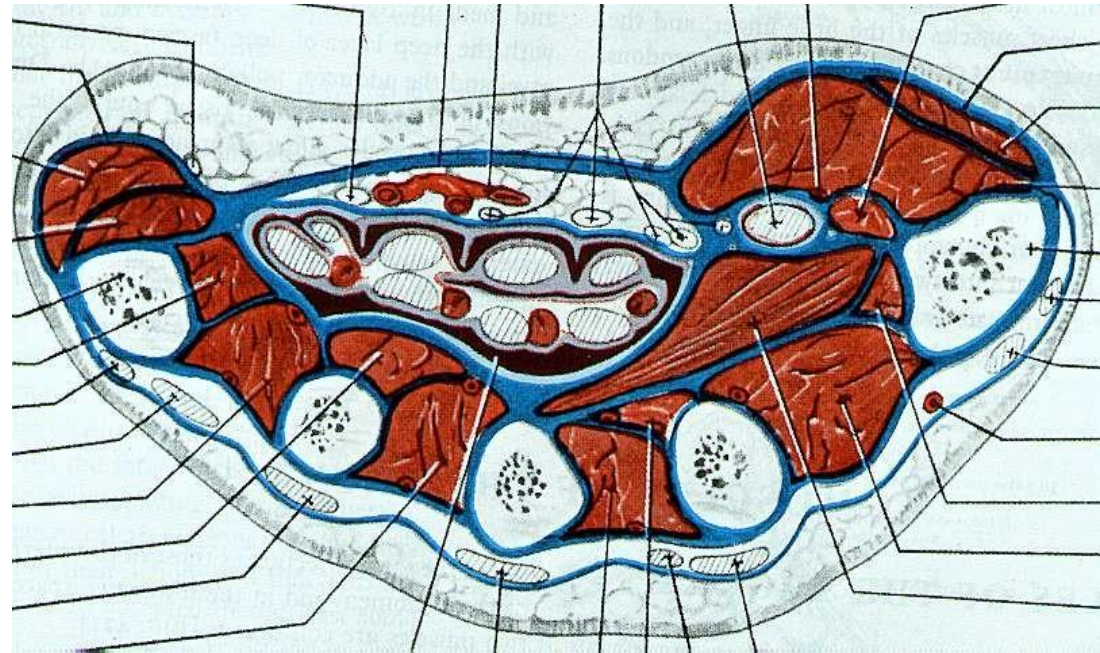
Dorsal Plate of the PIP Joint



Dorsal Plate of the PIP Joint: functions



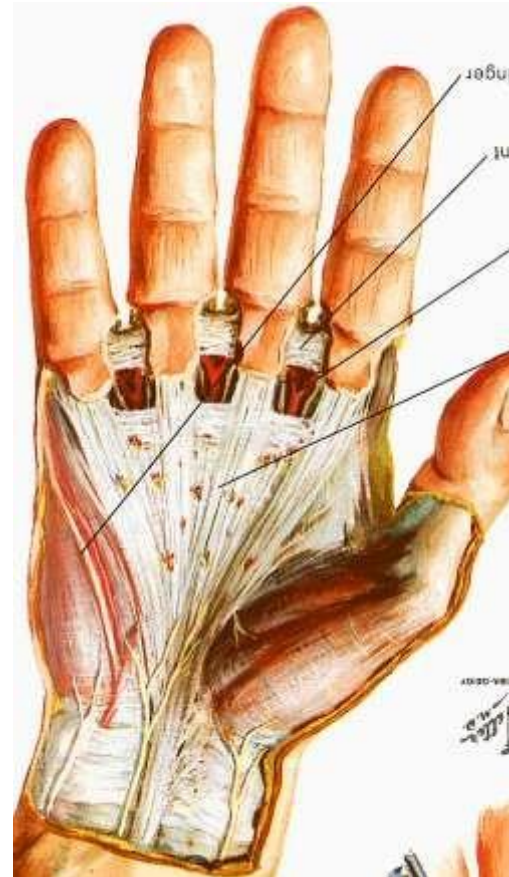
Palmar Aponeurosis



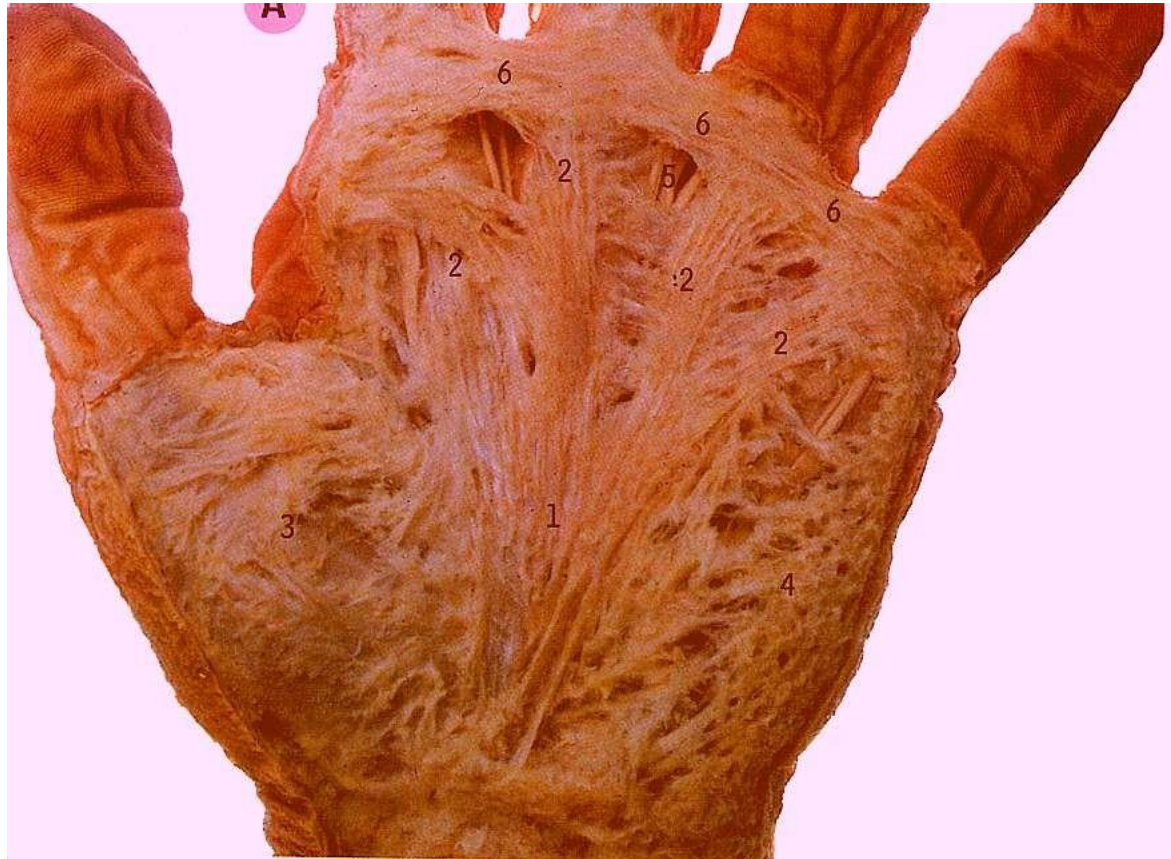
Palmar Aponeurosis



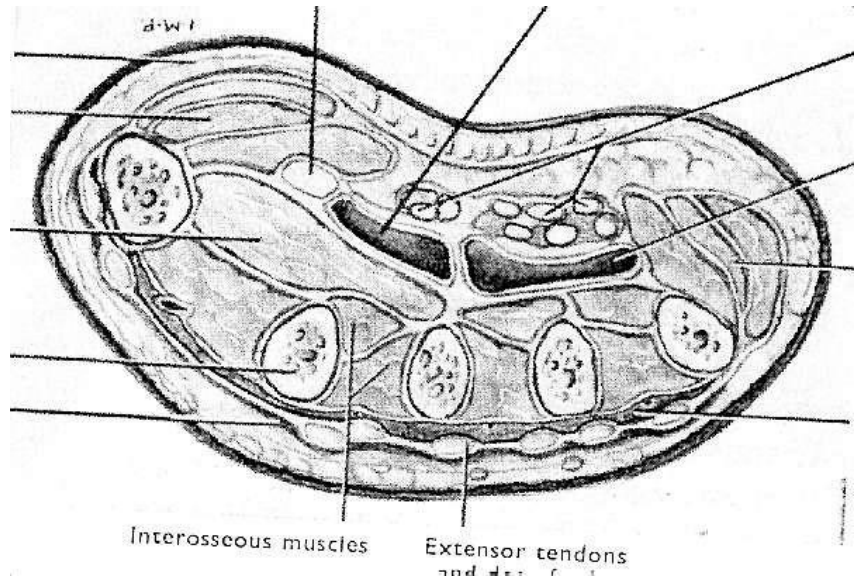
Palmar Aponeurosis



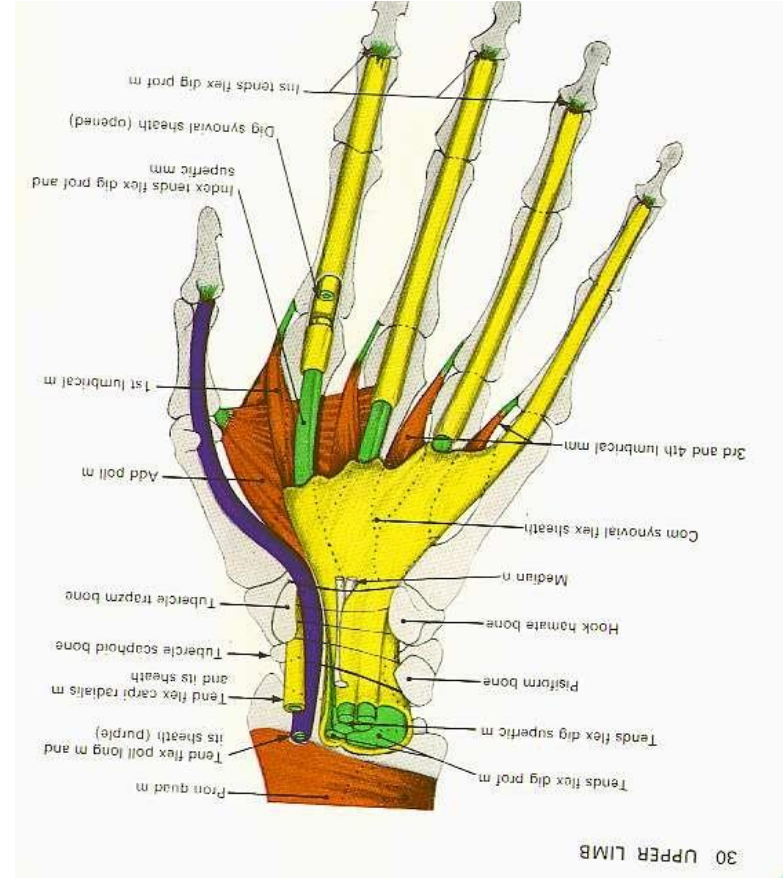
Palmar Aponeurosis



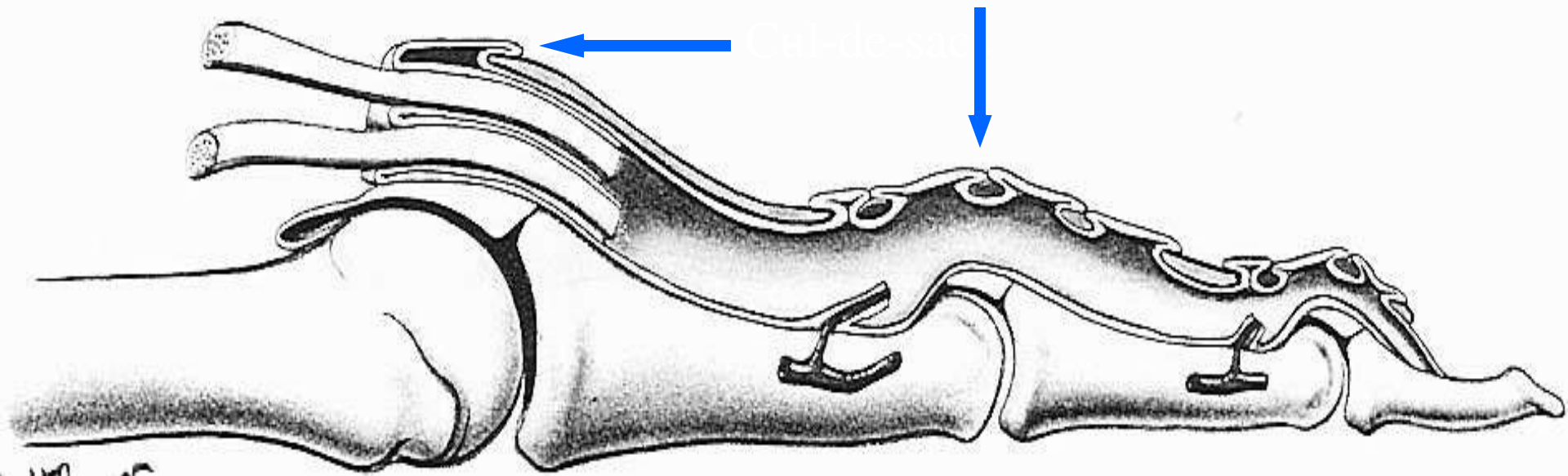
Midpalmar spaces of the hand



Synovial sheaths of the palm



Flexor digital sheath



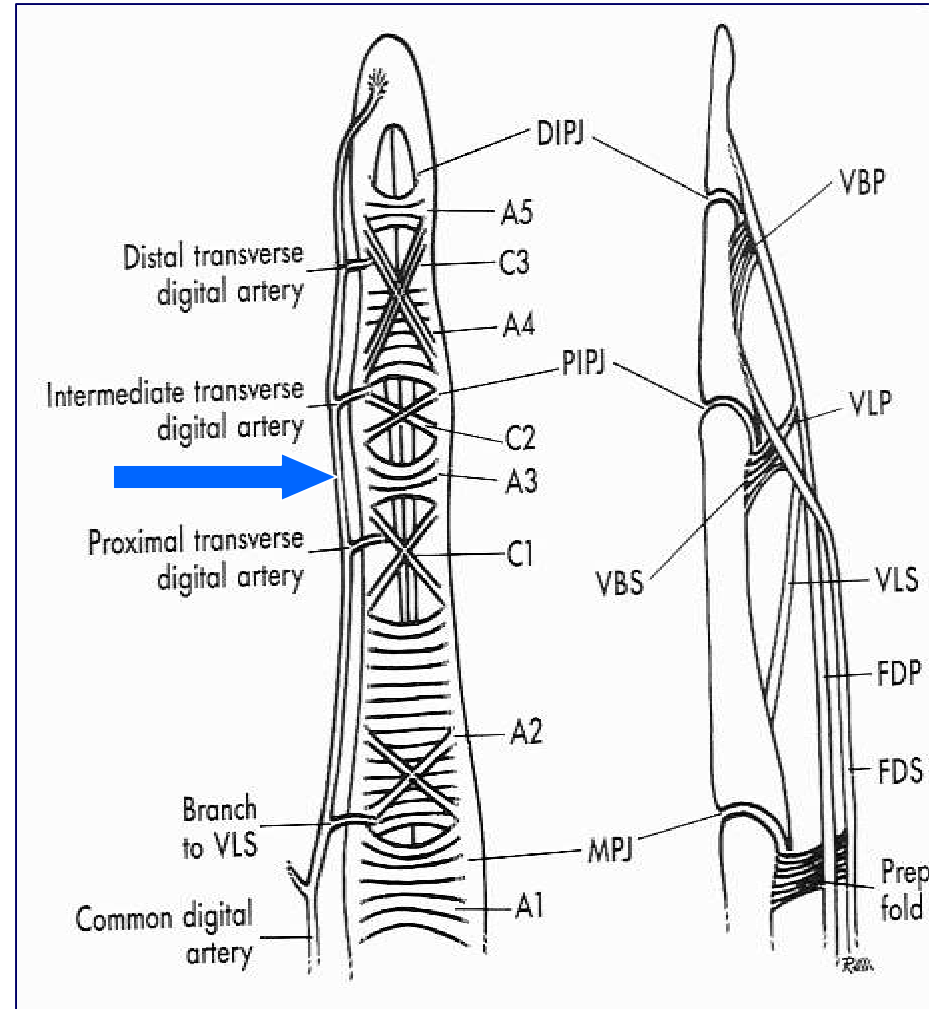
Synovial sheaths of the palm



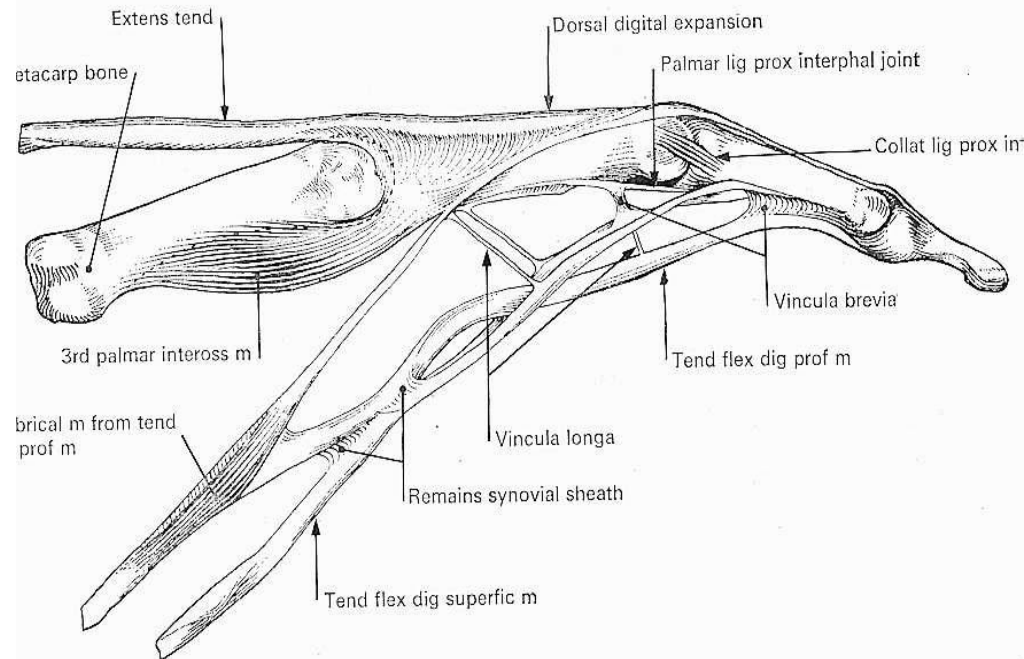
Synovial sheaths of the palm

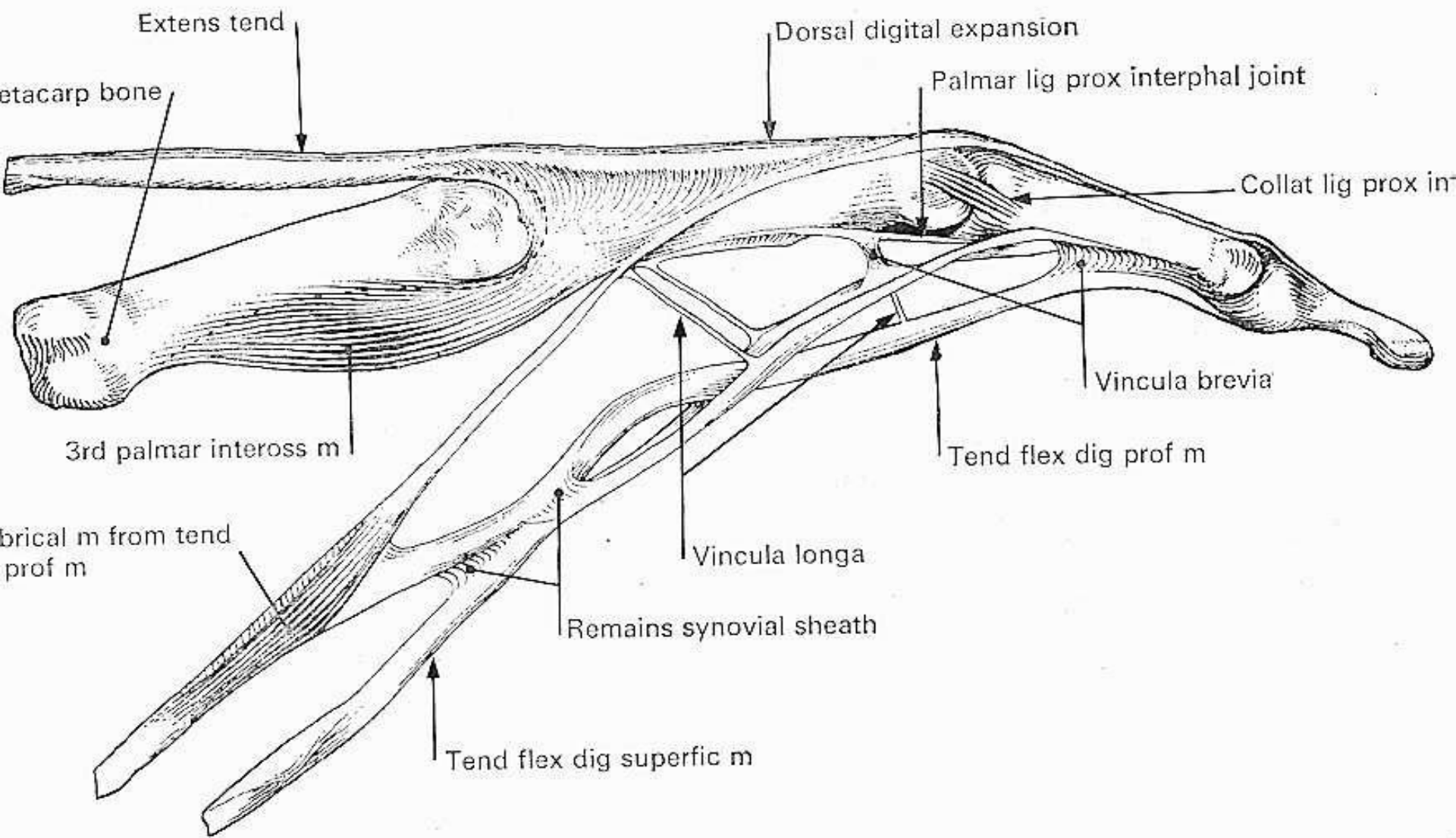


Long Flexor tendons: Nutrition

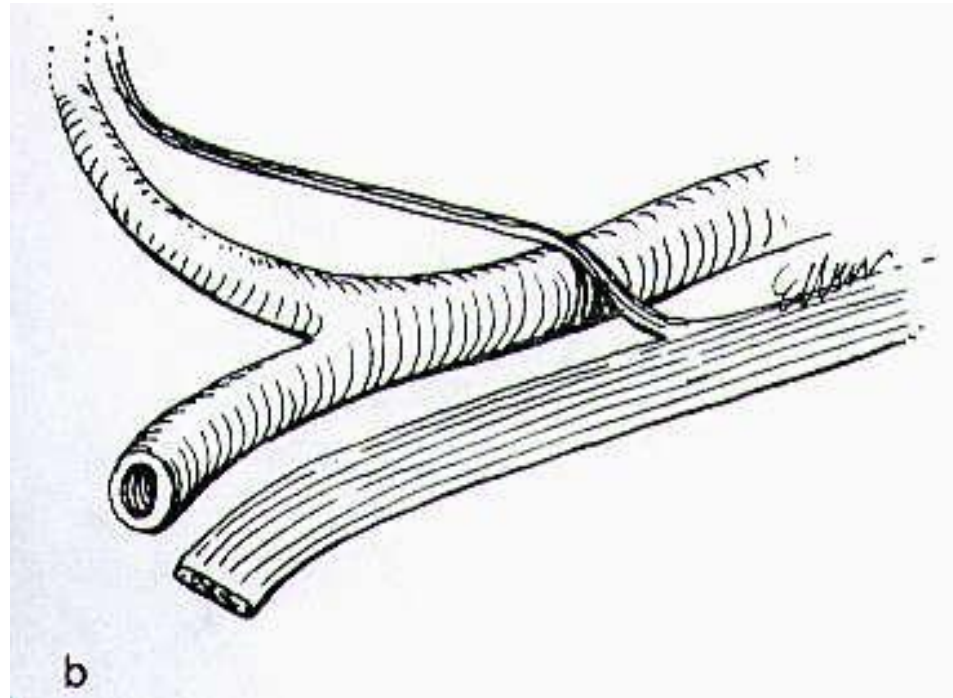


Long Flexor tendons: Nutrition

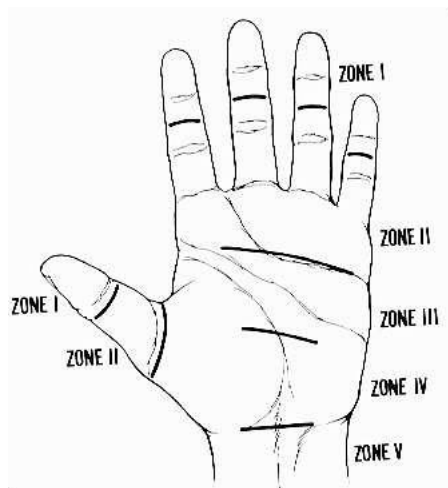




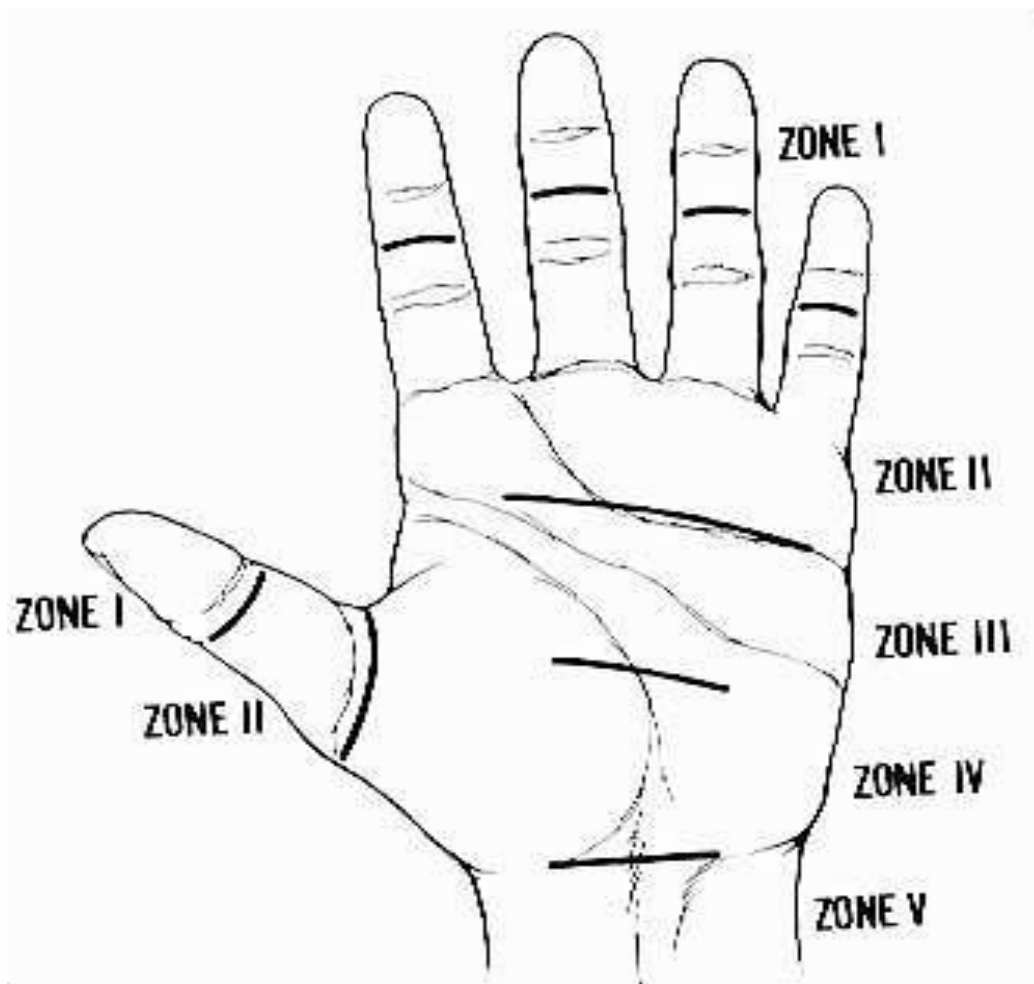
Long Flexor tendons: nerve supply



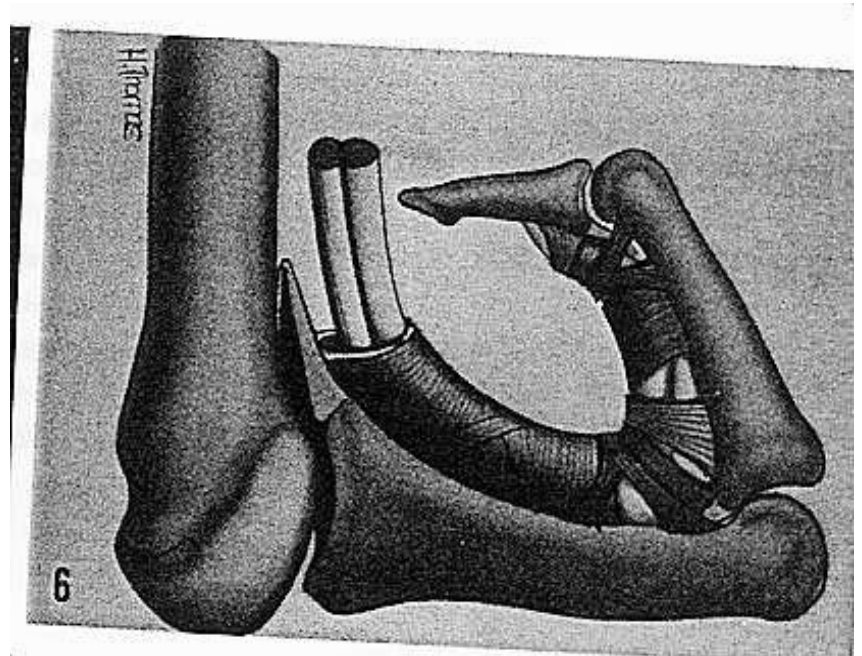
Zones of flexor tendons: Verdan's Zone System



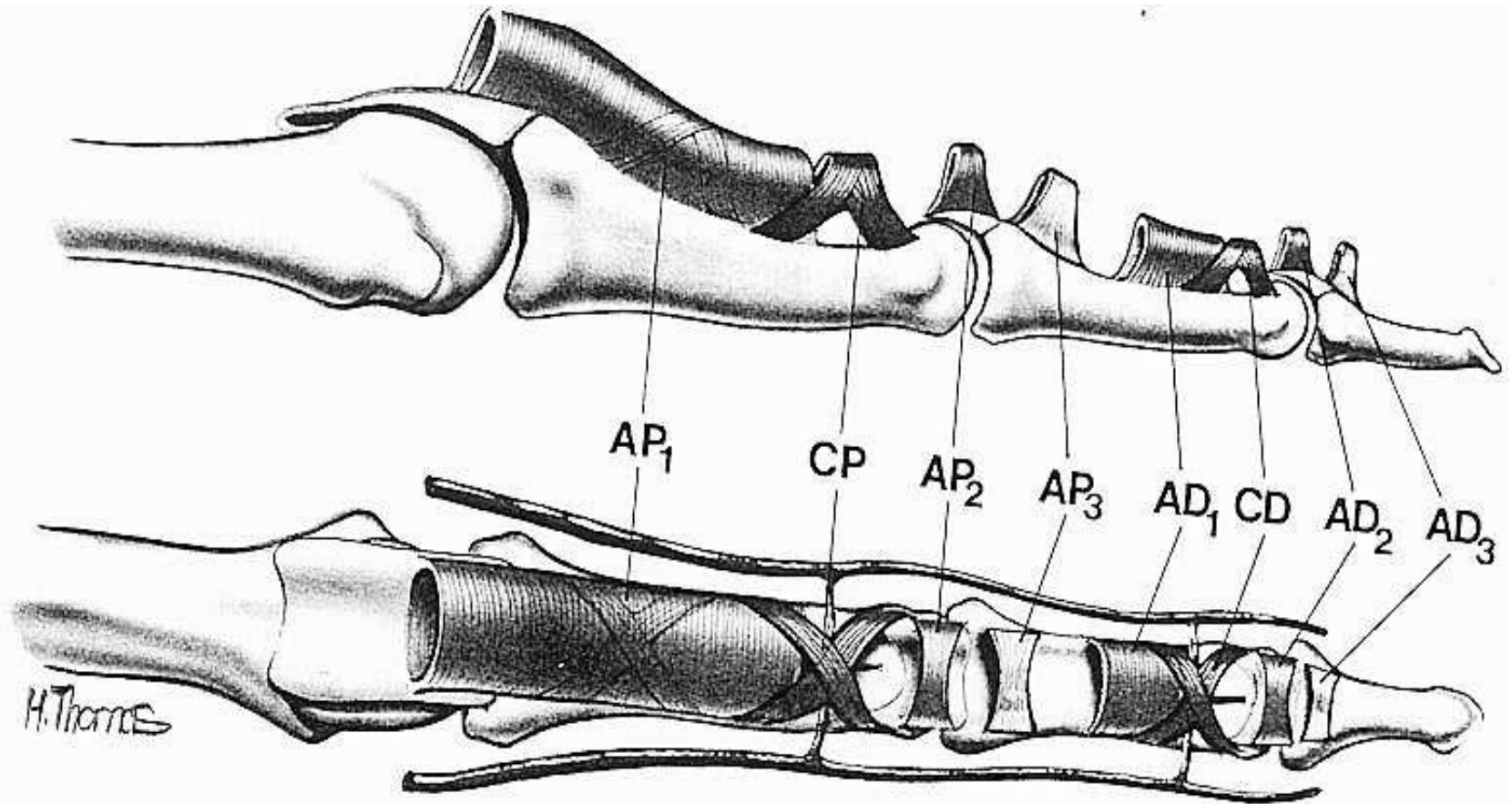
Zones of flexor tendons: Verdan's Zone System



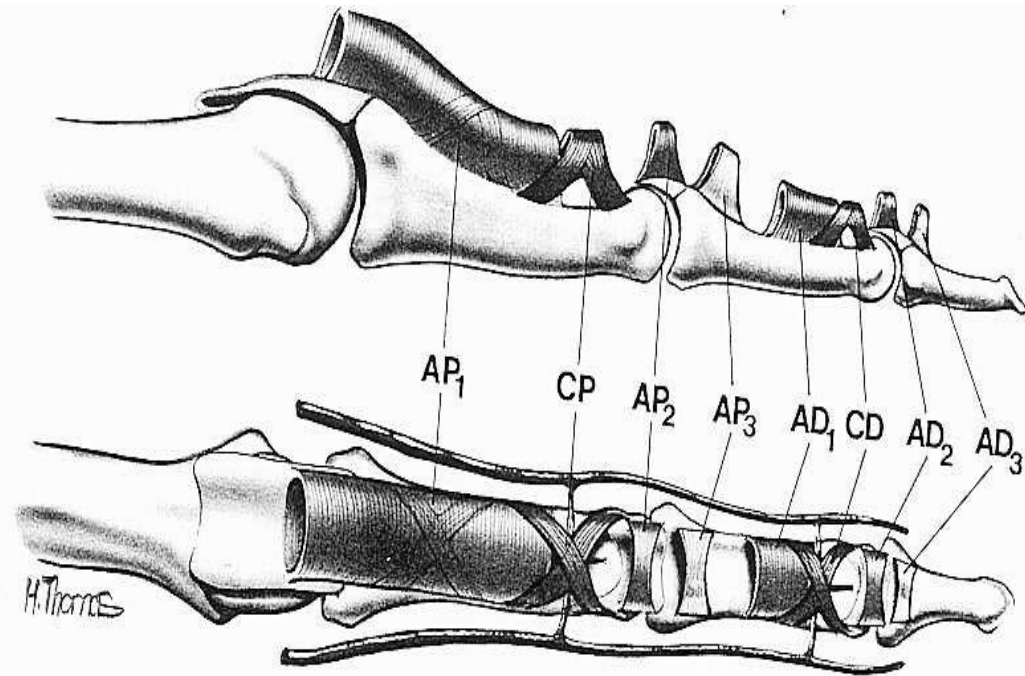
Pulley system of the fingers



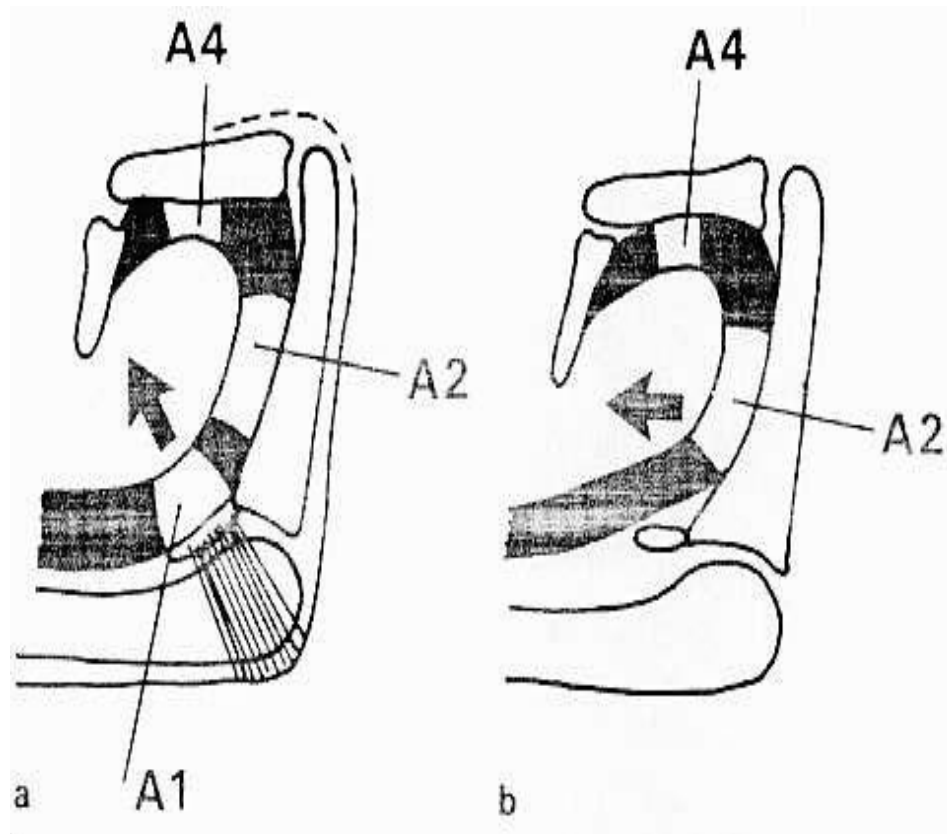
Pulley system of the fingers



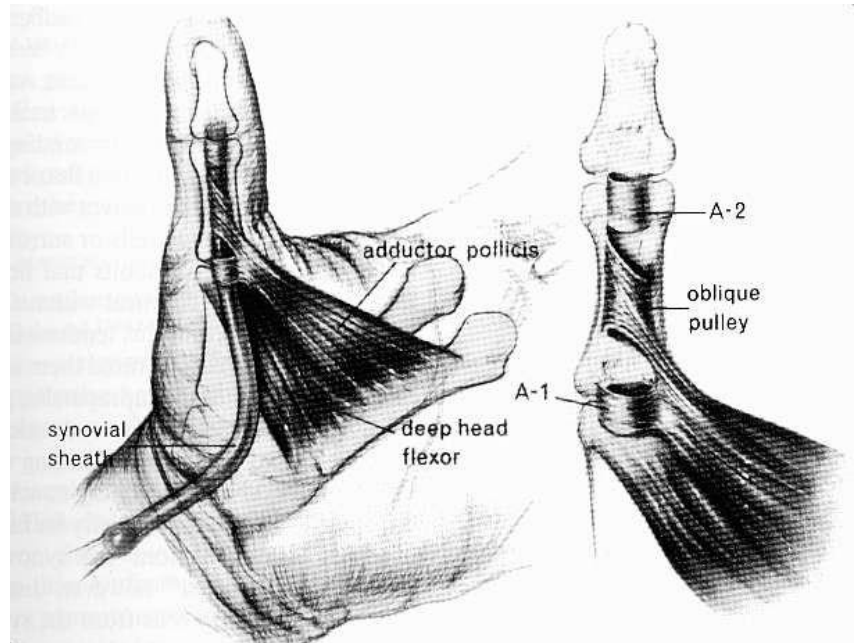
Pulley system of the fingers



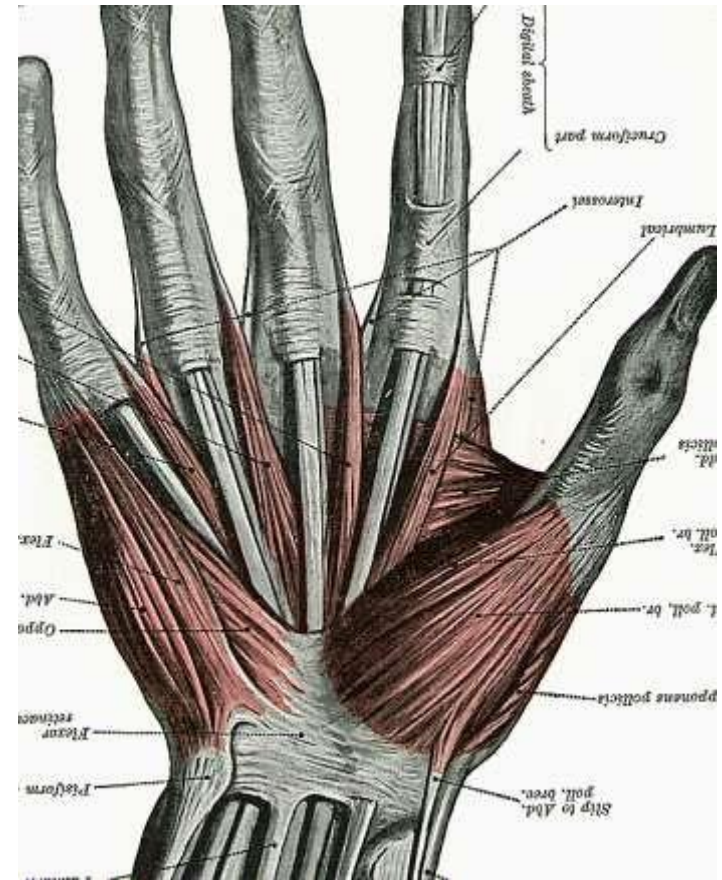
Significance of A1 pulley in RA



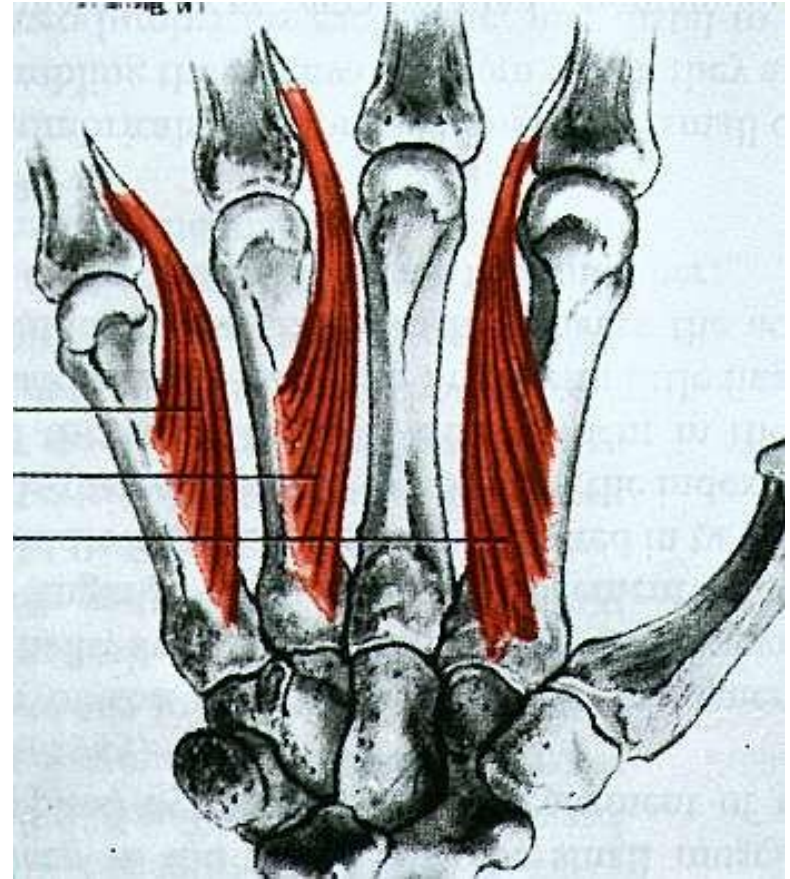
Pulley system of the thumb



Hypothenar eminence



Intrinsic muscles



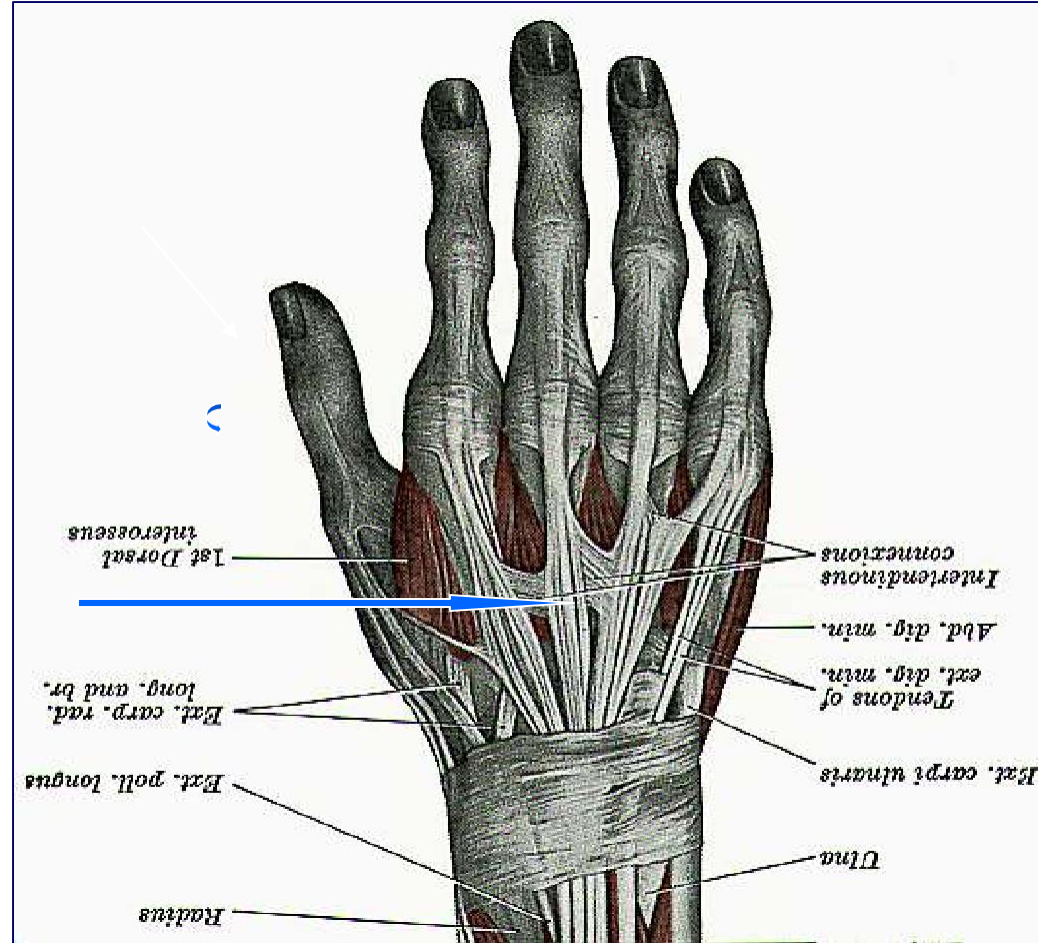
Extensor apparatus of the hand

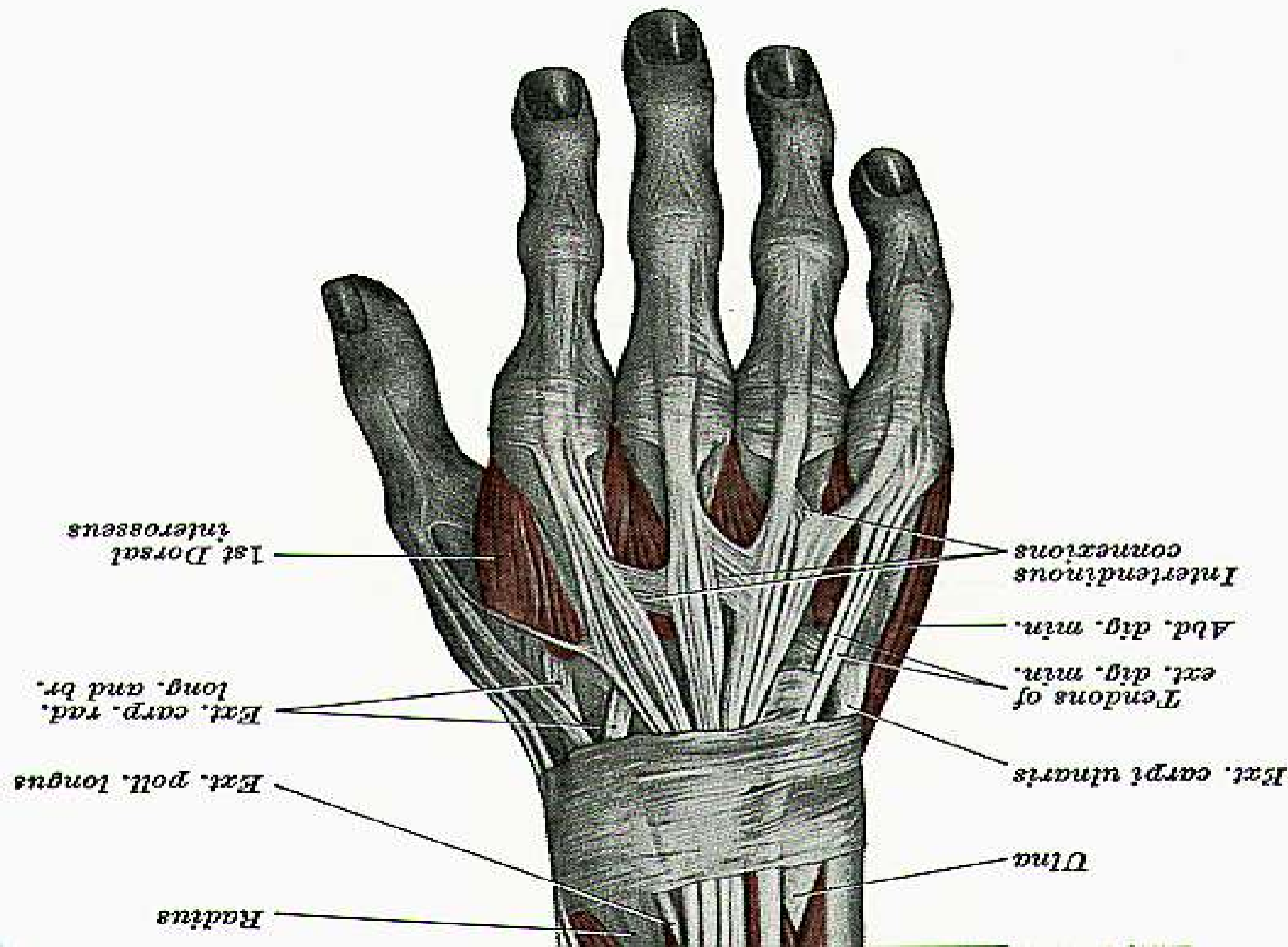


Extensor apparatus of the hand



Extensor apparatus of the hand





*1st Dorsal
interosseus*

*Ext. carp. rad.
long. and br.*

Ext. poll. longus

Radius

*Interdigital
connections*

Abd. dig. min.

*Tendons of
ext. dig. min.*

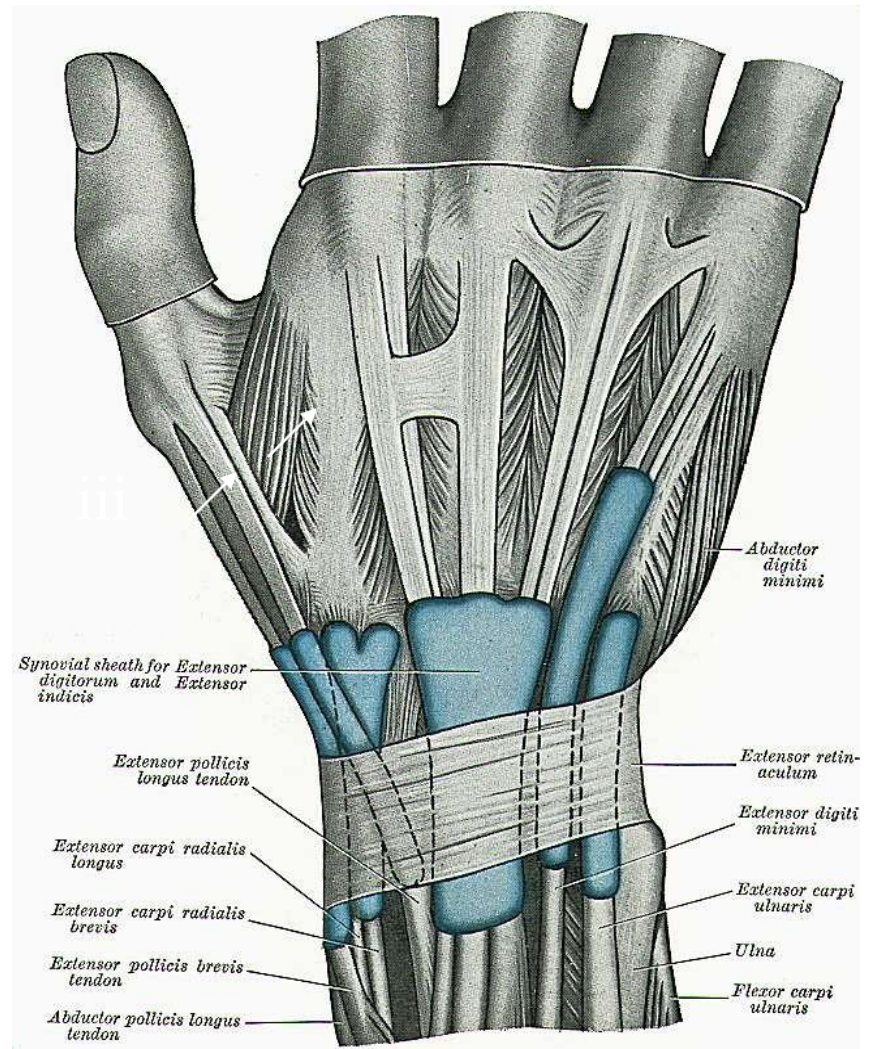
Ext. carpi ulnaris

Ulna

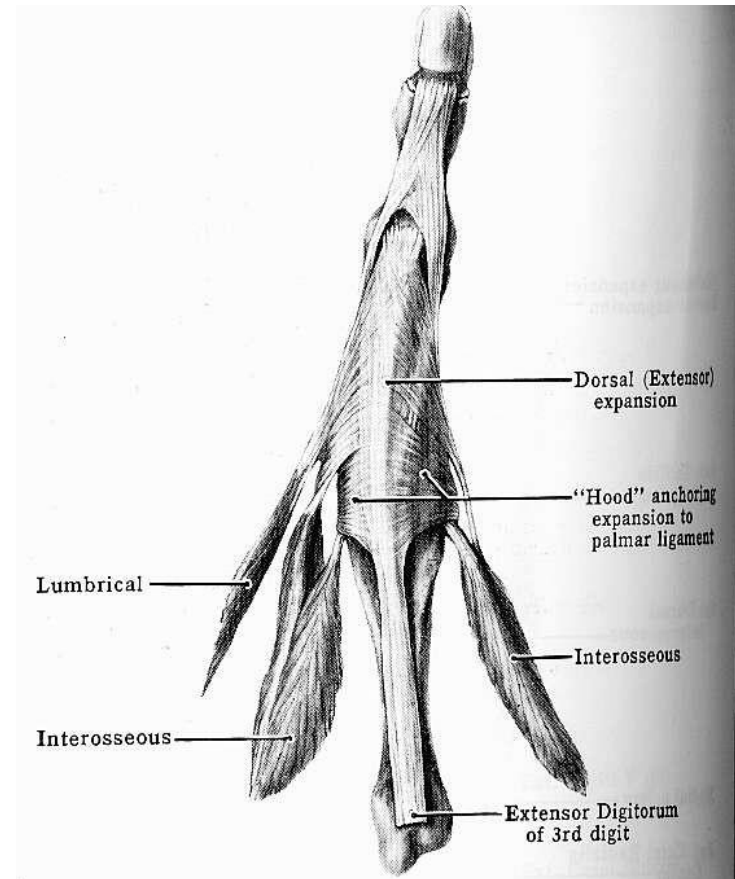
Extensor apparatus of the hand: wrist



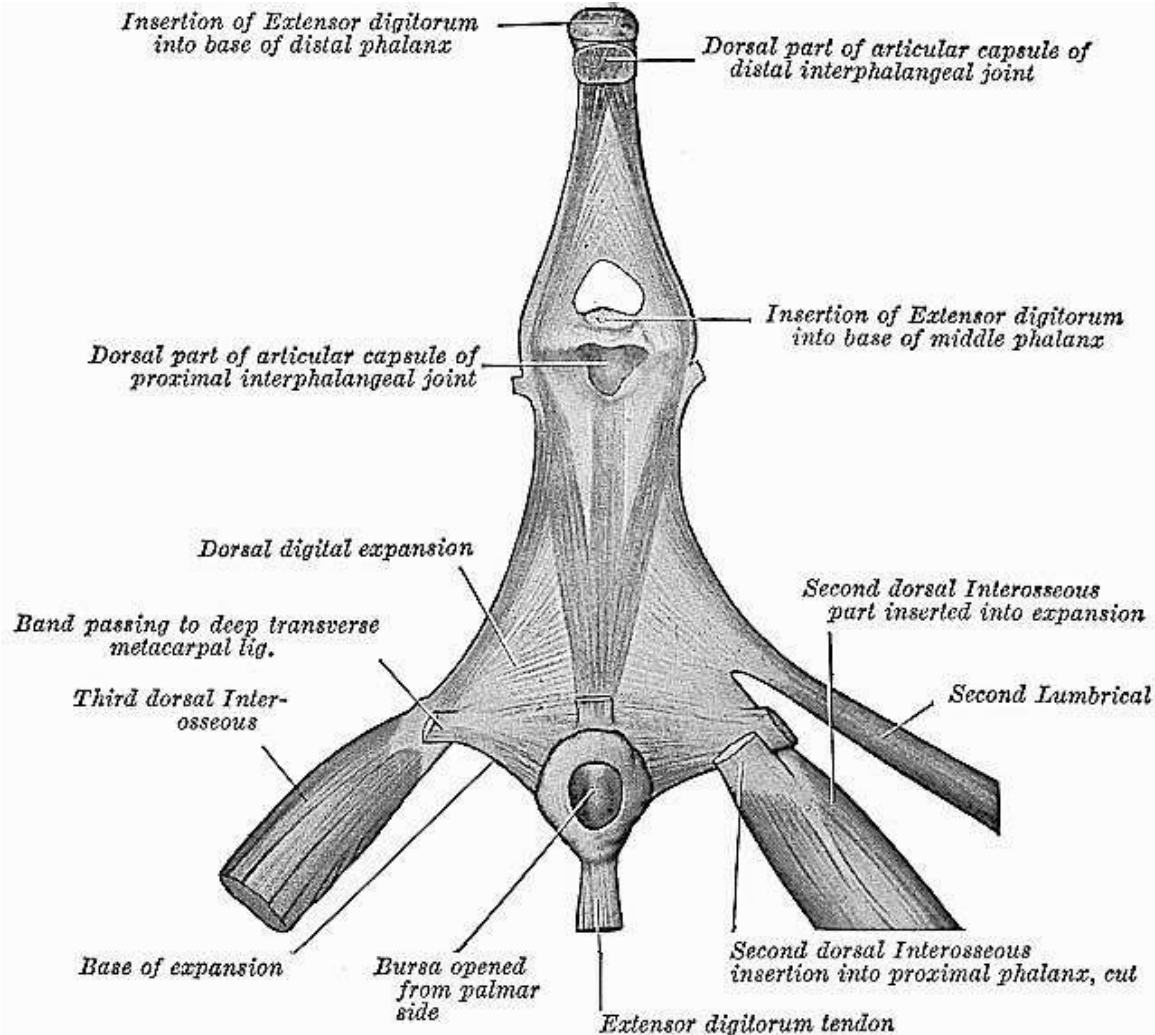
Extensor apparatus of the hand: wrist



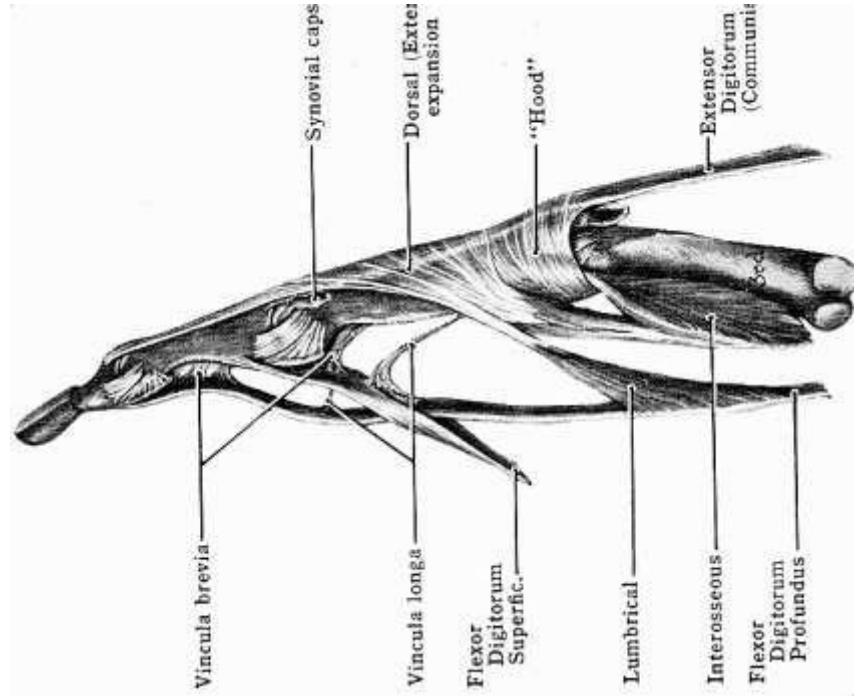
Extensor apparatus of the hand: MCP joint



Extensor apparatus of the hand: MCP joint



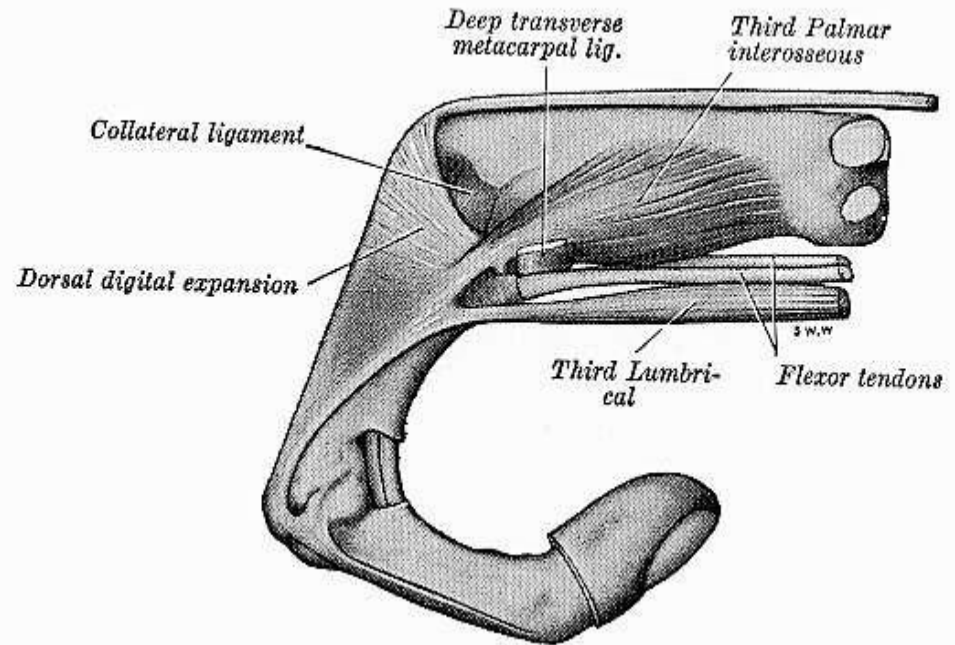
Extensor apparatus of the hand: MCP joint



Extensor apparatus of the hand: MCP joint



FIG. 593.—The dorsal digital expansion of the ring finger in flexion.



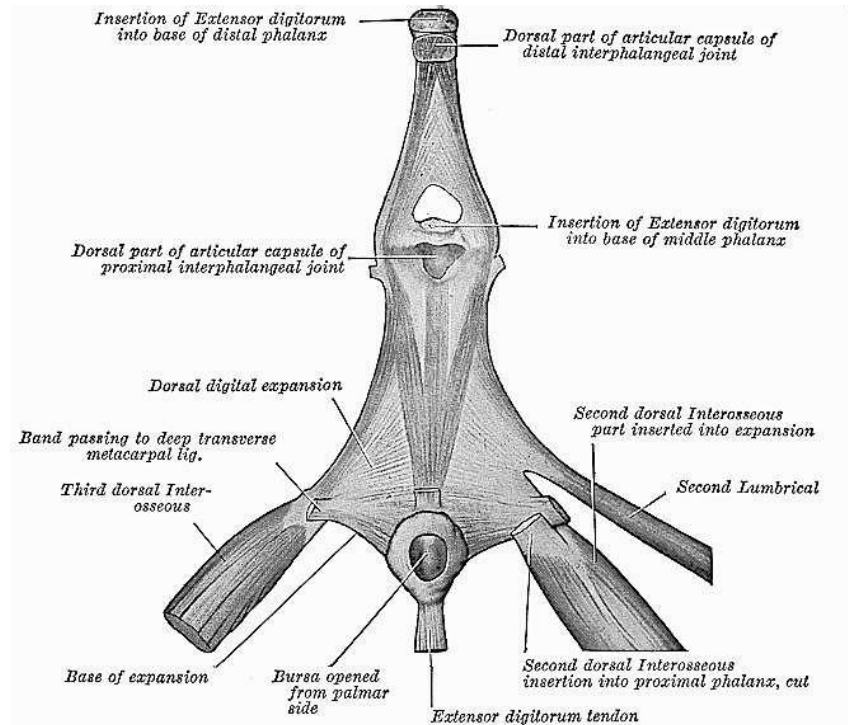
the right hand.

have been injected
finger tendons
lay the dorsal
and dorsal
ies (as at 13 and
wrist pronator
then removed to
(6) of the anterior
ry (4), which
is the palm; the
ous itself passes
ace to join the
eous artery (14)

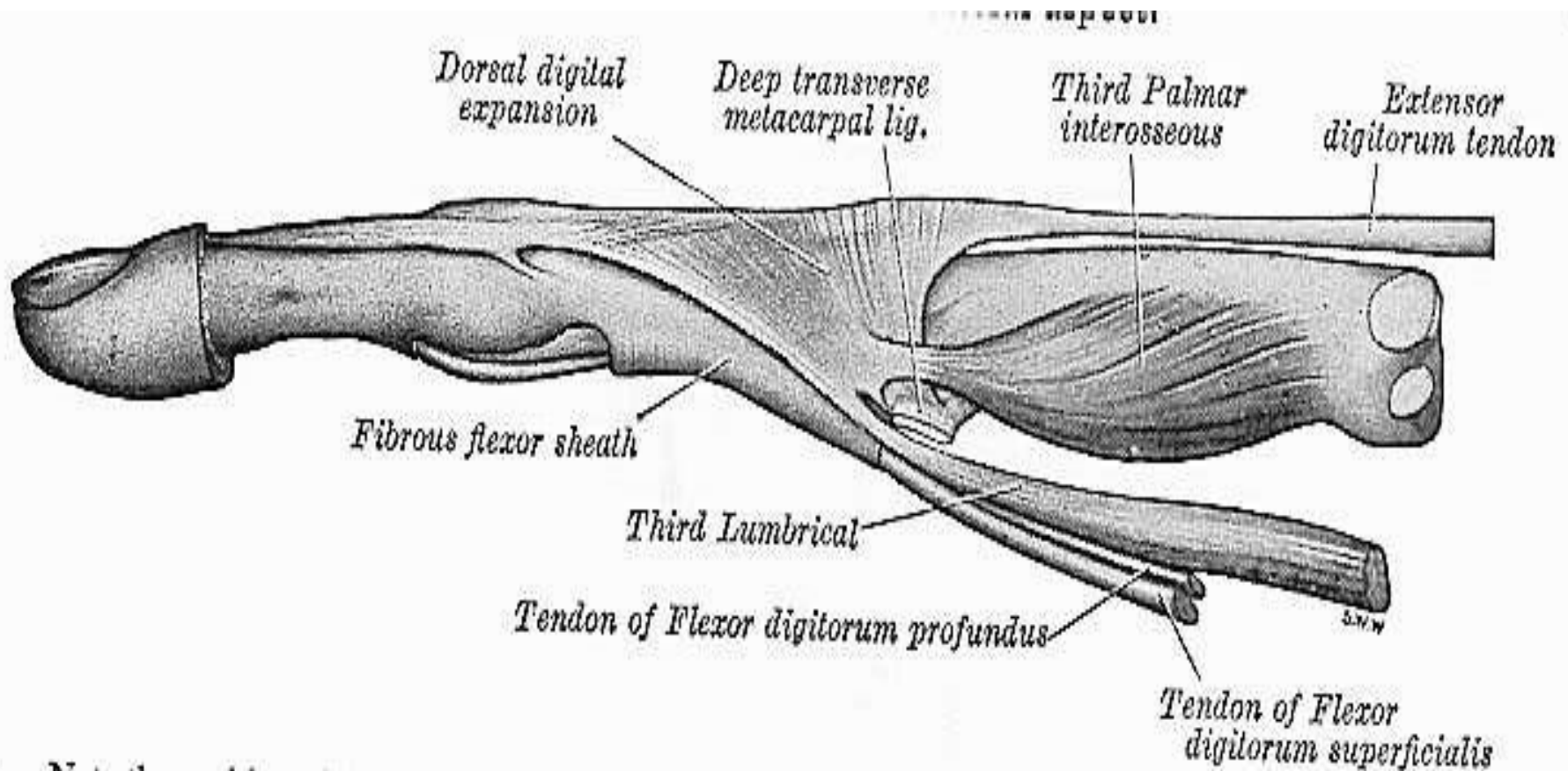
R
A
D
I
A
L



Extensor apparatus of the hand: pip joint



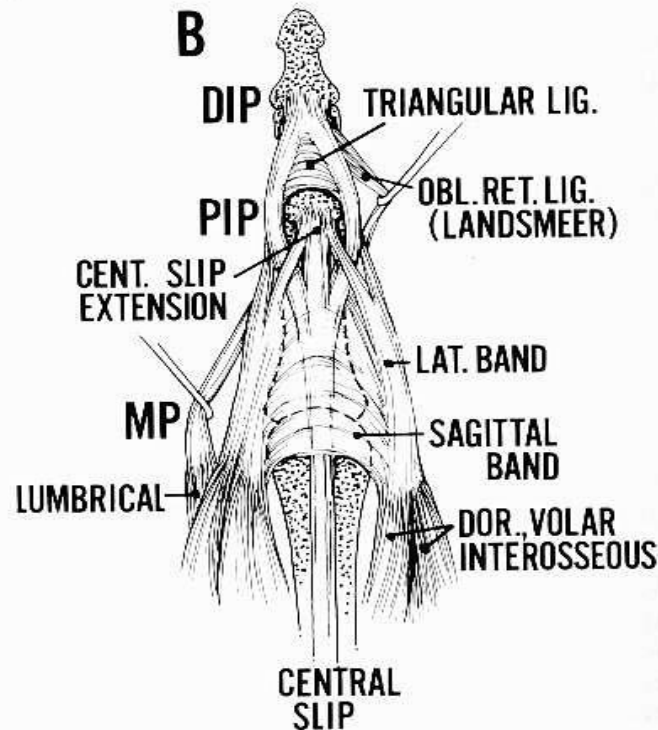
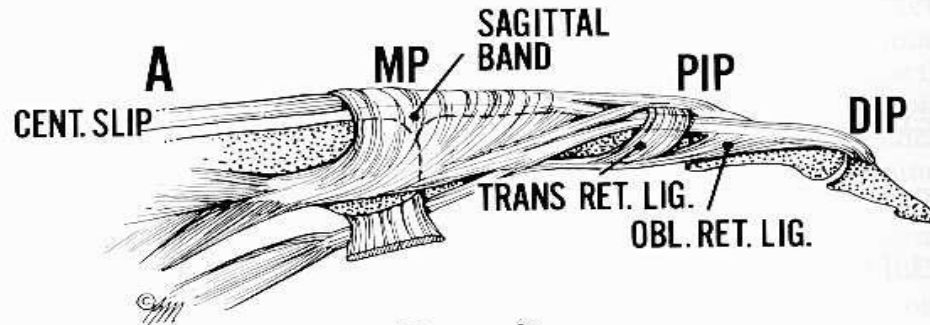
Extensor apparatus of the hand: pip joint



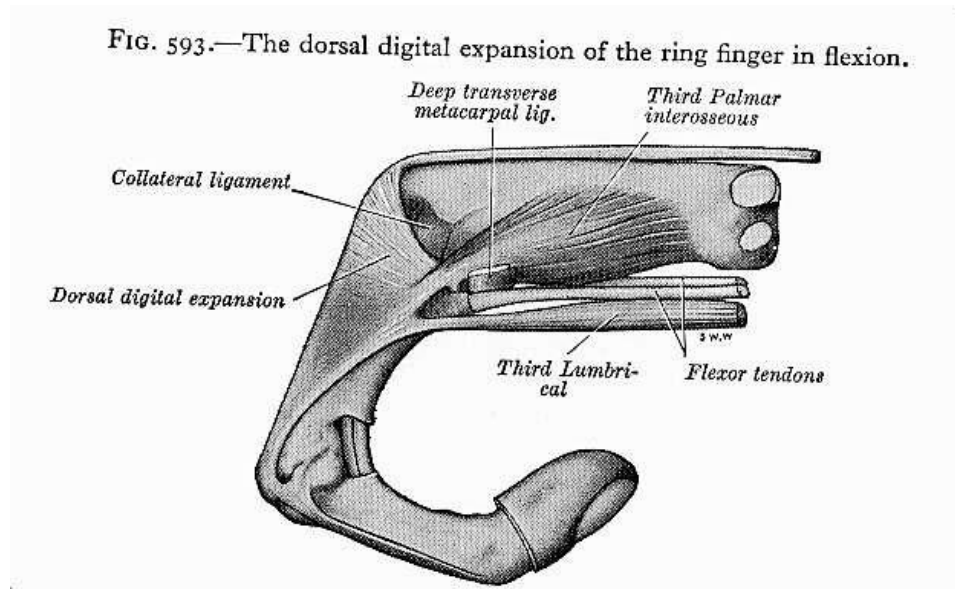
Extensor apparatus of the hand: pip joint



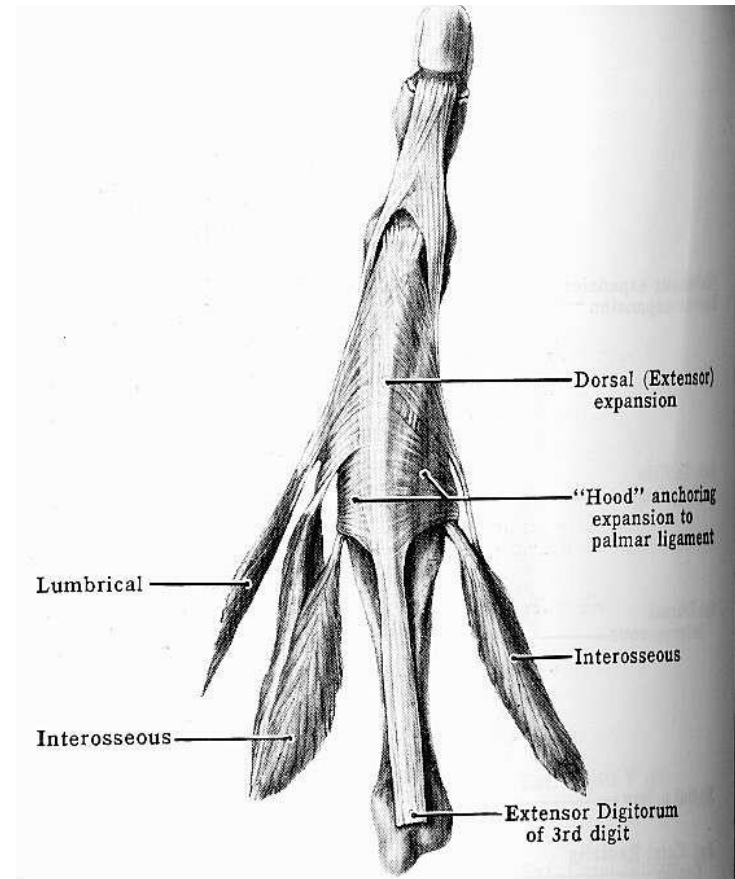
Extensor apparatus of the hand: pip joint



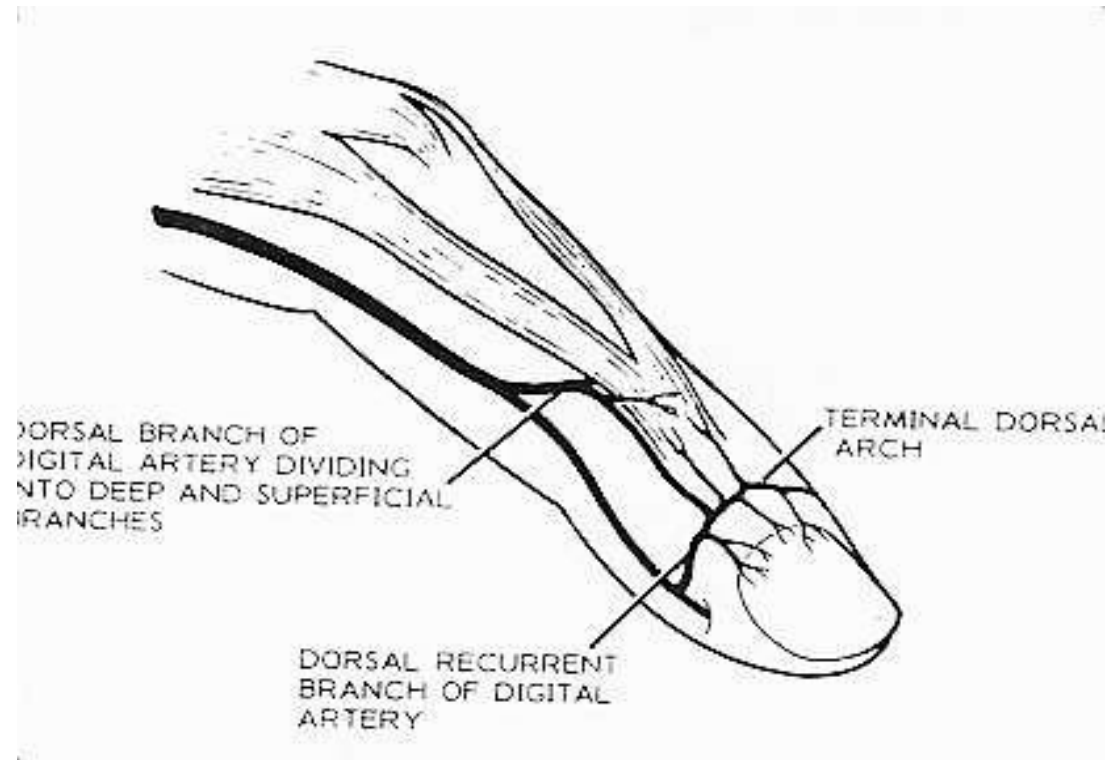
Extensor apparatus of the hand: pip joint



Extensor apparatus of the hand: dip joint



Extensor apparatus of the dip joint-vascular anatomy



Extensor tendon: zones of injury- Kleinert and Verdan

Zone	Finger	Thumb
I	DIP joint	IP joint
II	Middle phalanx	Proximal phalanx
III	PIP joint	MP joint
IV	Proximal phalanx	Metacarpal
V	MP joint	CMC joint/radial styloid
VI	Metacarpal	
VII	Dorsal retinaculum	
VIII	Distal forearm	
IX	Mid- and proximal forearm	

