Carpal Tunnel Syndrome

Median nerve is compressed at the wrist, resulting in numbness or pain.

digital flexor tendons (FDP & FDS)

transverse carpal ligament (flexor retinaculum)

FDP & FDS
FPL

median nerve

hook of hamate

thenar muscles
trapezium

MRI

z.about.com/d/p/440/e/f/1081.jpg
eorthopod.com/images/ContentImages/hand/hand_carpal_tunnel/hand_carpal_tunnel_intro01.jpg
dartmouth.edu/~anatomy/Figures/Upper%20Extremity%20images/Wrist/Axial%20MRI/3/wrist3unlabeled.jpg
Carpal Tunnel Syndrome

thenar muscles (OP, APB, FPB)

thenar wasting

transverse carpal lig (flexor retinaculum)

median nerve

normal thenar eminence
Tenosynovitis

Key
- Synovial sheath

Anular and cruciform parts of digital fibrous sheath cover digital synovial sheath
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Lumbral muscles in sheaths (cut)
Sesamoid bone (deep)
Digital synovial sheath
Flexor pollicis longus (FPL) tendon in synovial sheath
FDP tendons
Flexor retinaculum (cut, opening carpal tunnel)
FPL tendon in synovial sheath
Flexor carpi radialis tendon
Pronator quadratus muscle

FDS and FDP tendons in digital synovial sheaths.

Flexor digitorum profundus tendon
Flexor digitorum profundus tendon
FDS tendon
Common flexor sheath (ulnar bursa)
Common flexor sheath (ulnar bursa)
FDS tendons
Common flexor sheath

Abductor pollicis longus
Extensor pollicis brevis
Flexor carpi radialis
Flexor pollicis longus
Flexor digitorum superficialis and profundus (FDS and FDP) tendons in common flexor sheath
Tenosynovitis

Tenosynovitis of index finger

De Quervain’s Tenosynovitis
(tenosynovitis of APL & EPB)

- extensor pollicis brevis
- abductor pollicis longus
- ECRL
- ECRB
- ext. digitorum et al.
- digital flexor tendons (FDP & FDS)


aafp.org/afp/20031201/2167_f8.jpg

theqi.com/cmed/misc/images/teno.jpg