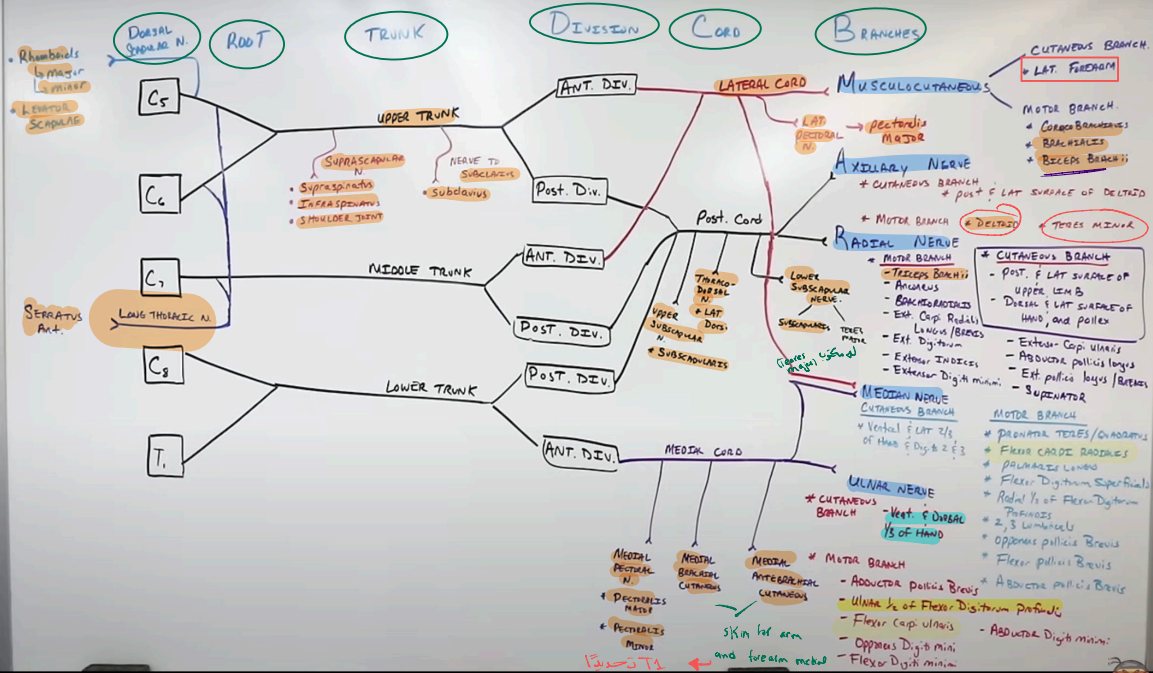
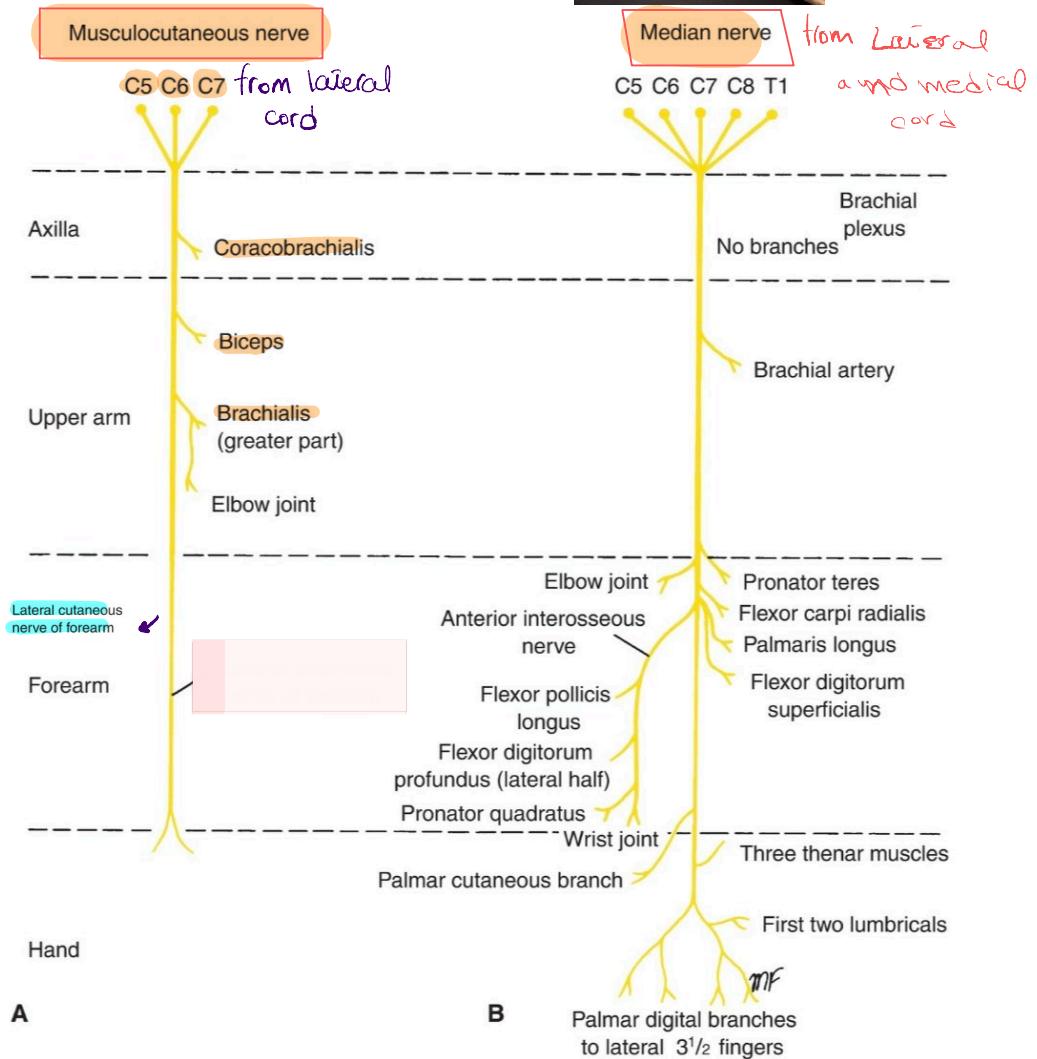






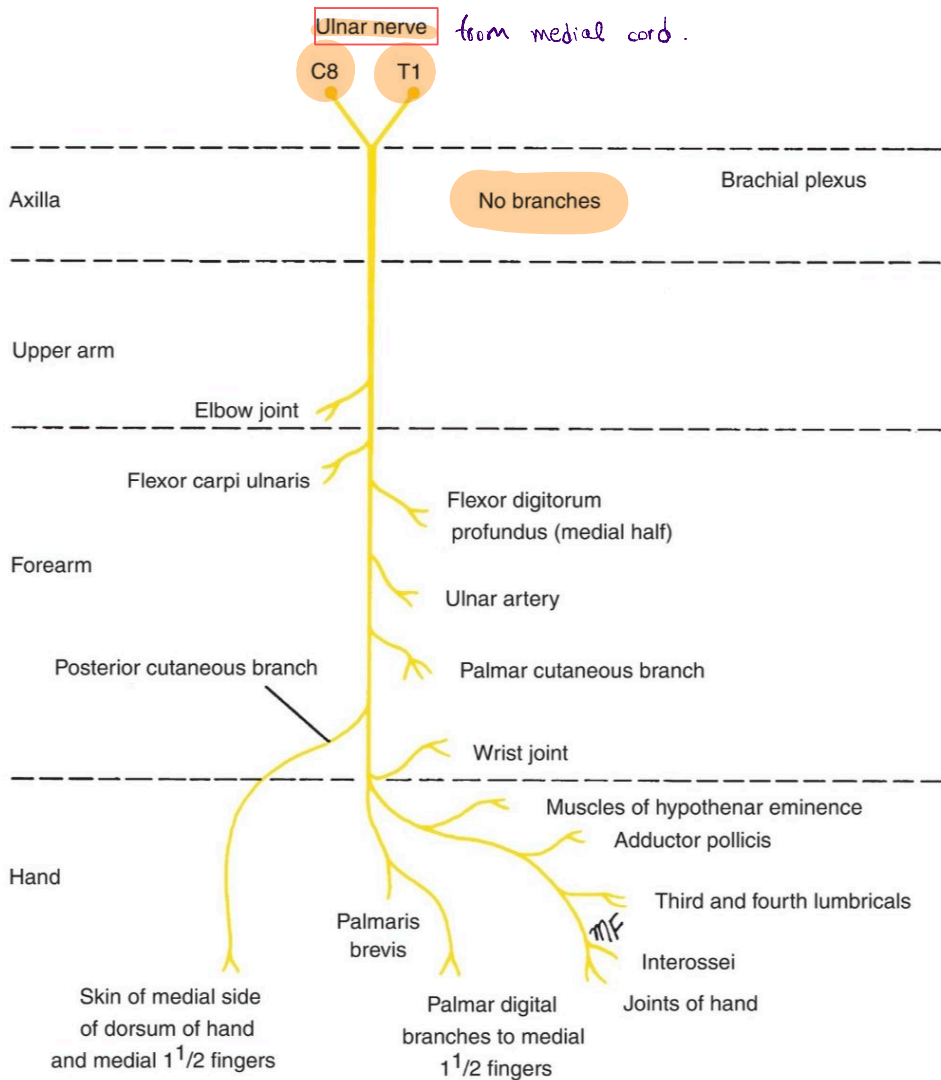


Figure 3.55 Summary of the main branches of the ulnar nerve.

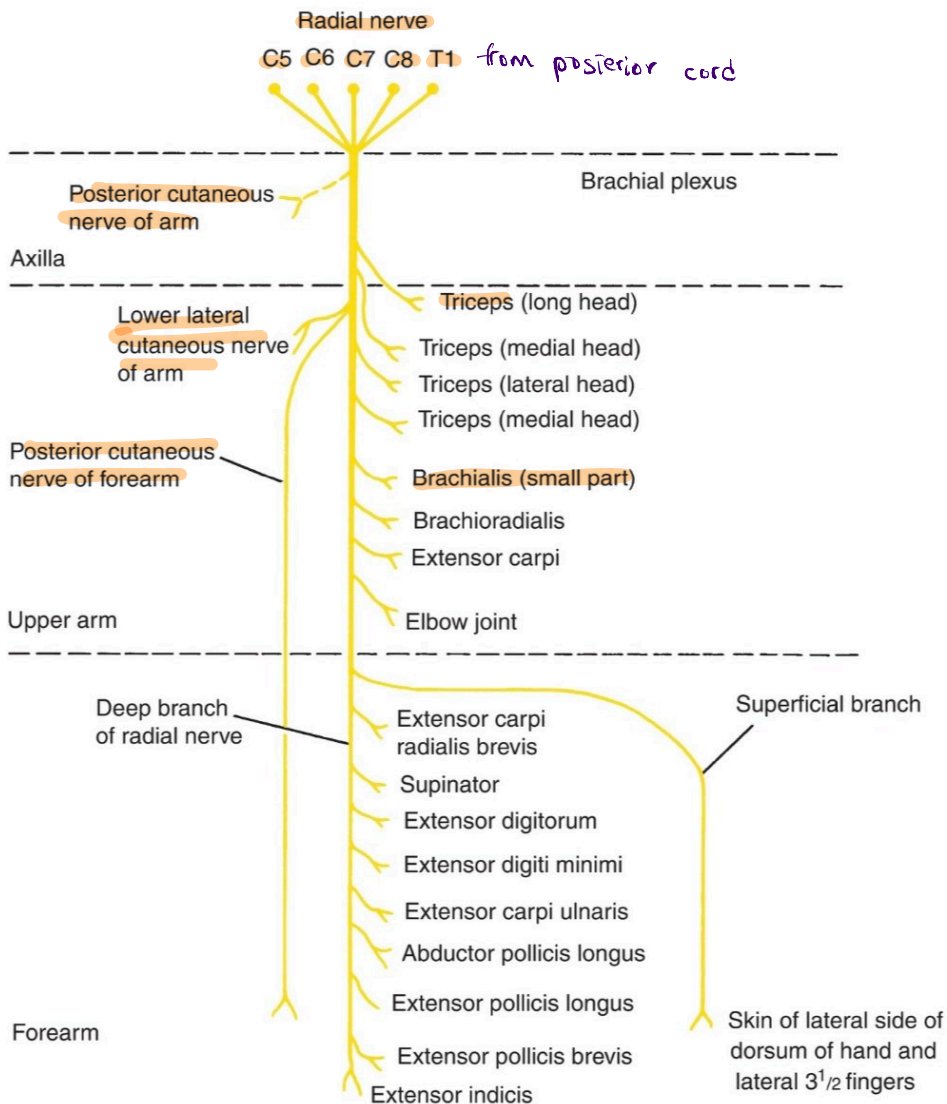


Figure 3.57 Summary of the main branches of the radial nerve.

Radial n.

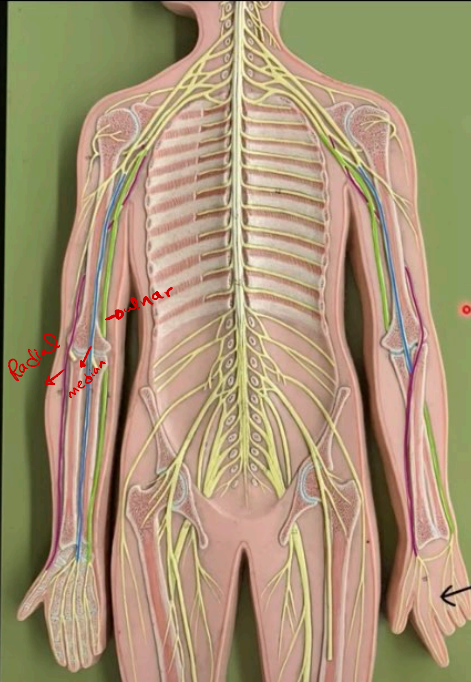
- Lateral, thumb side of forearm

Median n.

- Travels down anterior midline of arm

Ulnar n.

- Medial, "pinky" side of forearm



Dorsal side
of hand

A

Musculocutaneous nerve

- all muscles in anterior compartment of arm

Median nerve

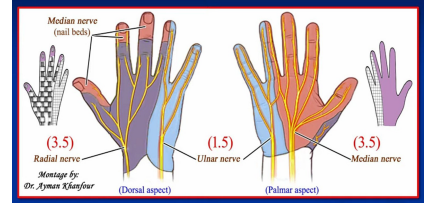
- most flexors in forearm
- thenar muscles in hand

Radial nerve

- all muscles in posterior compartment of arm and forearm

Ulnar nerve

- most intrinsic muscles in hand
- flexor carpi ulnaris and medial half of flexor digitorum profundus in forearm



B

Anterior

Posterior

Radial nerve

- posterior cutaneous nerve of arm

Radial nerve

- posterior cutaneous nerve of arm

Musculocutaneous nerve

- lateral cutaneous nerve of forearm

Musculocutaneous nerve

- lateral cutaneous nerve of forearm

Radial nerve

- superficial branch

Radial nerve

- superficial branch

Ulnar nerve

Ulnar nerve

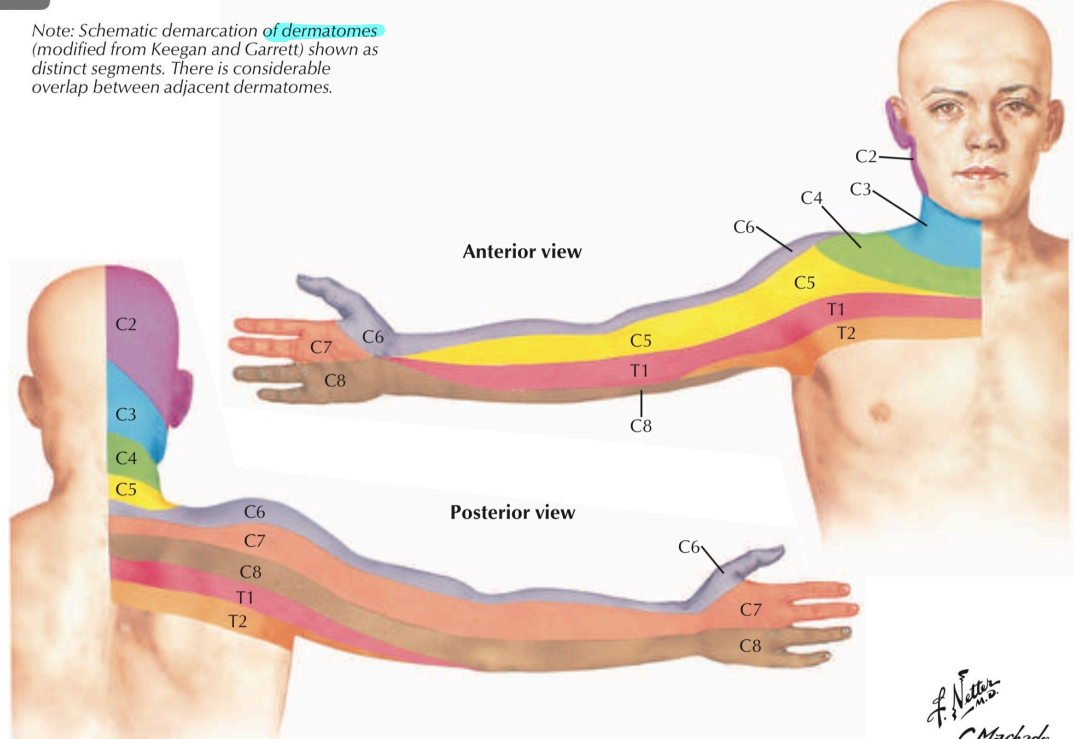
Median nerve

Median nerve

lower lateral of forearm

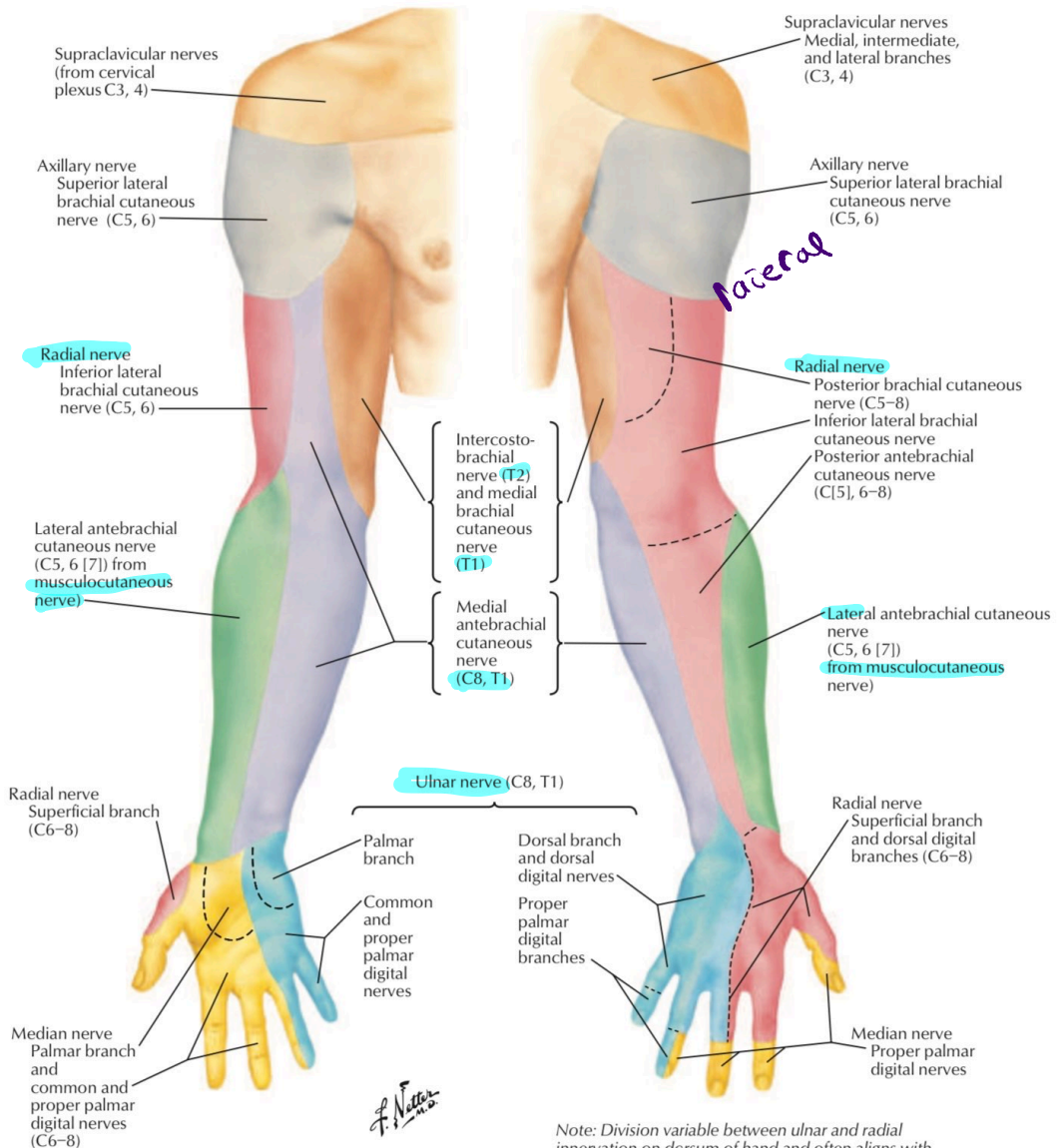
posterior of forearm

Note: Schematic demarcation of dermatomes (modified from Keegan and Garrett) shown as distinct segments. There is considerable overlap between adjacent dermatomes.



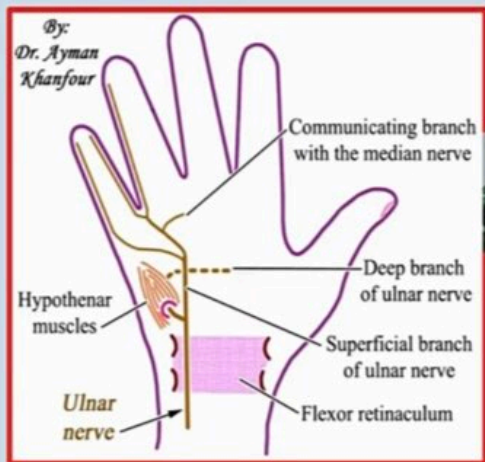
Anterior (palmar) view

Posterior (dorsal) view

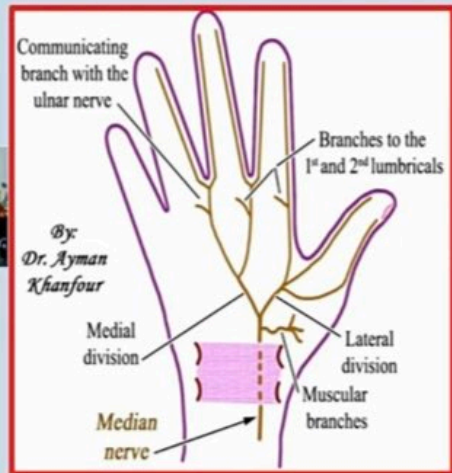


Note: Division variable between ulnar and radial innervation on dorsum of hand and often aligns with middle of 4th digit instead of 3rd digit as shown.

Ulnar Nerve



Median Nerve



Branches:

I. Cutaneous branches to the skin of:

Medial 1/3 of palm and dorsum of the hand, & medial 1 ½ fingers (palmar and dorsal aspects).

II. Muscular branches: Supplies all muscles of the hand EXCEPT those which are supplied by median nerve.

Branches:

I. Cutaneous branches to the skin of:

Lateral 2/3 of the palm, palmar aspect of lateral 3 ½ fingers, the nail beds and dorsum of terminal phalanges of these fingers.

II. Muscular branches: Supplies muscles of thenar eminence + lateral 2 lumbricals.

