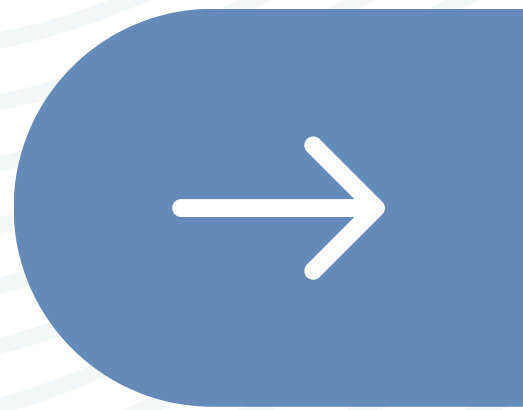


#DIBS BY NEXTILLO

DAILY INFORMATION BULLETIN SERVICE

DERMATOMES OF THE
UPPER LIMB





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DERMATOMES OF THE UPPER LIMB

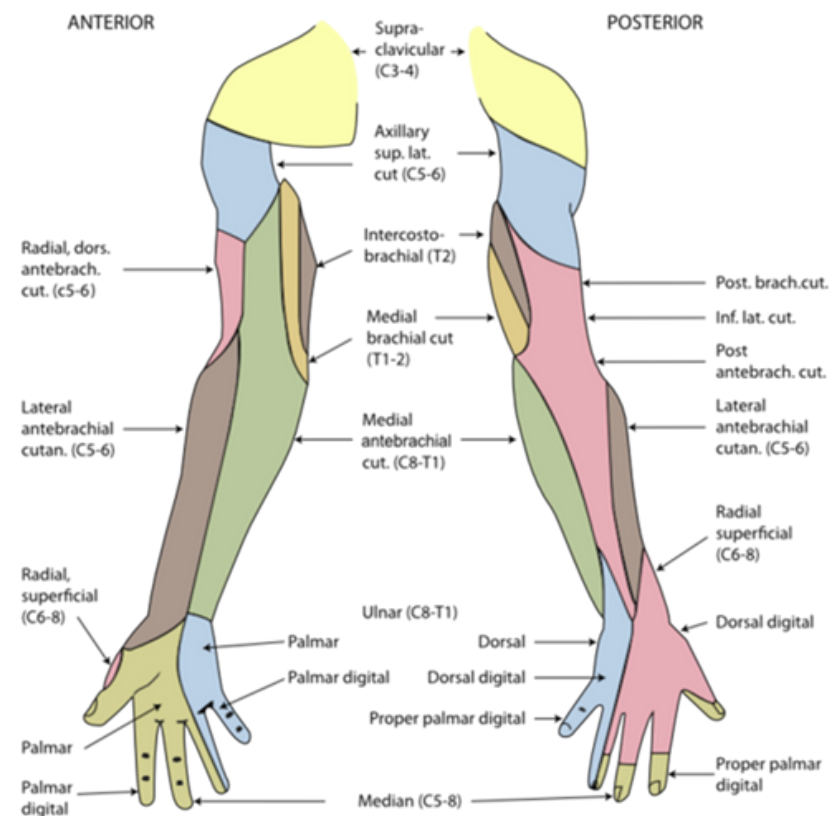
C6: the palmar side of the thumb. C7: the palmar side of the middle finger. C8: the palmar side of the little finger.

T1: the medial aspect antecubital fossa, proximal to the medial epicondyle of the humerus.



IMAGE DESCRIPTION

- **Supraclavicular Branching:** Cervical plexus (C3, 4) divides for chest sensory assessment.
- **Axillary and Radial Innervation:** Axillary nerve supplies superior brachial cutaneous, radial nerve covers inferior.
- **Median-Ulnar Hand Control:** Median nerve offers palmar branches, ulnar nerve controls palmar and digital sensation.
- **Axillary** nerve powers **deltoid**, vital for shoulder strength and motion.
- **Median nerve** controls forearm pronation, essential for daily activities.
- **Radial nerve** enables wrist and finger extension, pivotal for dexterity.
- **Ulnar nerve governs hand grip** strength, crucial for various tasks.
- **Musculocutaneous nerve supports elbow flexion**, fundamental for arm movements.





SUPRACLAVICULAR NERVES (C3,4)

Origin:

Arises from **cervical plexus (C3, 4)**.

Branching:

Divides into **medial, intermediate, and lateral branches**.

Location:

Innervates **skin** above the **clavicle**.

Sensory Input:

Provides sensation to the upper chest region.

Clinical Importance:

For diagnostic assessments related to supraclavicular pathology.



AXILLARY NERVE AND BRACHIAL CUTANEOUS INNERVATION

Axillary Nerve:

Supplies **superior** lateral brachial cutaneous nerve (C5, 6).

Radial Nerve:

Innervates **inferior** lateral brachial cutaneous nerve (C5, 6).

Posterior Brachial Cutaneous:

Supplied by **radial nerve** (C5-8).

Sensory Function:

Critical for sensation in the shoulder and posterior arm.

Clinical Implications:

In trauma or surgery affecting axillary and radial nerves.



MEDIAN AND ULNAR NERVE INNERVATION

Median Nerve:

Provides palmar and palmar digital branches (C6-8).

Ulnar Nerve:

Innervates palmar abench and palmar digital branches.

Hand Sensation:

Crucial for hand sensory perception and motor control.

Medial Antebrachial Cutaneous:

Derived from (C8, T1).

Clinical Relevance:

*In conditions like **carpal tunnel syndrome and ulnar nerve entrapment.***



DERMATOMES OF THE UPPER LIMB

Question:

Which nerve is primarily responsible for controlling forearm pronation?

- A) *Radial Nerve*
- B) *Ulnar Nerve*
- C) *Axillary Nerve*
- D) *Median Nerve*

Answer: D) Median Nerve