Cutaneous innervation of the upper limb

The patterns of cutaneous sensory nerve distribution

- The clavicle is an S-shaped long bone, which forms part of the pectoral girdle
- It articulates proximally with the sternum and distally with the acromion of scapula
- Bony features include:
  - Acromial facet

CUTANEOUS NERVES

Supraclavicular nerve

Superior lateral cutaneous nerve of the arm

Intercostobrachial nerve

Cutaneous branches of the Radial nerve
  - inferior lateral cutaneous nerve of forearm
  - posterior cutaneous nerve of forearm

Lateral cutaneous nerve of forearm, which in the arm is called the Medial cutaneous nerve of the arm

Medial cutaneous nerve of the forearm

Palmar cutaneous branch of the RADIAL NERVE

Palmar cutaneous branch of the MEDIAN NERVE

Palmar cutaneous branch of the ULNAR NERVE

Sensory innervation of the ring finger

PALMAR SIDE:

- Two halves:
  - Radial half supplied by the MEDIAN NERVE (palmar cutaneous branch)
  - ULNAR half supplied by the ULNAR NERVE (palmar cutaneous branch)

DORSAL SIDE:

- Three parts:
  - Whole ULNAR side: supplied by the ULNAR nerve (palmar cutaneous branch)
  - Proximal RADIAL half: supplied by the RADIAL nerve (palmar cutaneous branch, from the superficial branch)
  - Distal radial side: MEDIAN NERVE (palmar cutaneous branch)

References: Moore’s Clinically Oriented Anatomy 5th edition