

ULNAR NERVE

RUNS ALONG MEDIAL OR ULNAR SIDE OF UPPER LIMB.

ROOT VALUE : VENTRAL PRIMARY RAMI OF SPINAL NERVES C8 & T1.
IT ALSO GETS FIBRES FROM C7 FROM LATERAL ROOT OF MEDIAN NERVE.
(C5 C6 C7)

: BRANCH OF MEDIAL CORD OF BRACHIAL PLEXUS.
(C8, T1)

COURSE

1. AXILLA : ULNAR NERVE LIES IN AXILLA BETWEEN AXILLARY VEIN & AXILLARY ARTERY.



II. ARM : LIES MEDIAL TO BRACHIAL ARTERY.



RUNS DOWNWARDS ALONG WITH BRACHIAL ARTERY
IN ITS PROXIMAL PART.



AT MIDDLE OF ARM, IT PIERCES THE MEDIAL
INTER MUSCULAR SEPTUM & LIES ON ITS
BACK.



IT DESCENDS ON THE BACK OF MEDIAL EPICONDYLE
OF HUMERUS WHERE IT CAN BE PALPATED.
(PALPATION CAUSES TINGLING SENSATIONS.)



III. FOREARM : ULNAR NERVE ENTERS FOREARM BY PASSING B/W
TWO HEADS OF FLEXOR CARPI ULNARIS & LIES
ON MEDIAL PART OF FLEXOR DIGITORUM PROFUNDUS.

: IT IS ACCOMPANIED BY ULNAR ARTERY IN LOWER $\frac{2}{3}$ RD
OF FOREARM.

: Branches -

2 MUSCULAR $\frac{1}{2}$
→ FLEXOR CARPI ULNARIS ✓
→ FLEXOR DIGITORUM PROFUNDUS
(MEDIAL HALF ONLY). ✓

2 CUTANEOUS
→ DORSAL CUTANEOUS BRANCH
→ PALMAR CUTANEOUS BRANCH.

* ULNAR NERVE IS NOT A CONTENT OF CUBITAL FOSSA.

IV. FLEXOR RETINACULUM : IT LIES ON MEDIAL PART OF FLEXOR RETINACULUM
& PASSES SUPERFICIAL TO IT ALONG WITH
ULNAR ARTERY TO ENTER PALM.



: AT DISTAL BORDER OF RETINACULUM, NERVE DIVIDES
INTO ITS SUPERFICIAL & DEEP BRANCHES.

V. PALM : SUPERFICIAL BRANCH → SUPPLIES PALMARIS BREVIS. & GIVES
DIGITAL BRANCHES TO MEDIAL $1\frac{1}{2}$ DIGITS
INCLUDING MEDIAL $1\frac{1}{2}$ NAIL BEDS TILL
DISTAL INTERPHALANGEAL JOINTS.

DEEP BRANCH → SUPPLIES MOST OF INTRINSIC MUSCLES OF HAND.

∴ IT SUPPLIES INTRINSIC
MUSCLES OF HAND
RESPONSIBLE FOR FINER
MOVEMENTS, THIS NV.
IS KNOWN AS

"MUSICIAN'S NERVE"

i) 3 MUSCLES OF HYPOTHENAR EMINANCE.



ii) 4th & 3rd LUMBRICALS ✓



iii) 4, 3, 2, 1 DORSAL INTEROSSEI ✓



4, 3, 2, 1 PALMAR INTEROSSEI ✓

iv) END IN ADDUCTOR POLICIS ✓

15

BRANCHES :

FOREARM

MUSCULAR

- ✓ FLEXOR DIGITORUM PROFUNDUS (Medial Half)
- ✓ FLEXOR CARPI ULNARIS.

CUTANEOUS/
DIGITAL

- ✓ DORSAL CUTANEOUS BRANCH :
For medial half of
Dorsum of Hand.
- ✓ PALMAR CUTANEOUS BRANCH :
for medial $\frac{1}{3}$ of PALM

HAND

- Superficial Branch: PALMARIS BREVIS ✓
- Deep Branch : 3 MUSCLES OF
HYPOTHENAR EMIN.
 • 4th & 3rd LUMBRICALS
 • 4-1 DORSAL INTEROSSEI
 • 4-1 PALMAR INTEROSSEI
 • ADDUCTOR POLLICIS.
- Digital Branches : to Medial $1\frac{1}{2}$
fingers,
Nail beds &
dorsal aspects of
distal phalanges.

VASCULAR/
ARTICULAR

ALSO SUPPLIES DIGITAL VESSELS
& JOINTS OF MEDIAL SIDE