

brachial plexus

Injury of brachial plexus

injury of upper trunk(C5,6)

deformity: policeman's tip postion

erb's paralysis

adduction medially rotated arm
extended elbow
pronated forearm

injury of lower trunk(C8,T1 nerves)

klumokes' paralysis

deformity: claw hand

extension of metacarpophalangeal joints
felxion of inter phalangeal joints

Branches

from lateral cord

lateral pectoral n.(C5,6,7)
lateral root of median n. (C5,6,7)
musculocutaneous n. (C5,6,7)

from medial cord

medial pectoral n. (C8,T1)
medial root of median n. (C8,T1)
ulnar n. (C8,T1+C7)
medial cutaneous n. of arm (C8,T1)
medial cutaneousn. of forearm (C8,T1)

from posterior cord

upper subscapular n. (C5,6)
lower subscapular n. (C5,6)
N. to latissimis drosi (thoracodorsal n.)

from trunks

(from upper trunk only)
N. to subclavius C5,6
suprascapular n. C5,6

from roots

N. to serratus ant. (long thoracic n.) C5,6,7
N. to rhomboids (dorsal scapular n.) C5

Def.

network of nerves descend from neck to axilla supply upper limb

Formation

4 stages

stage of roots(in the neck)

ventral rami of C5,6,7,8 & T1 nerves

stage of trunks(in the neck)

upper trunk: formed by union of C5,6

middle trunk:formed as continuation of C7

lower trunk: formed by union of C8,T1

stage of divisions(behind the clavicle)

each trunk divides into ant. & post. divisions

stage of cords(in the axilla)

formed by union of post. posterior cord divisions of all trunks

formed by union of ant. divisions of upper& middle lateral cod trunks

medial cord ant. division of lower trunk