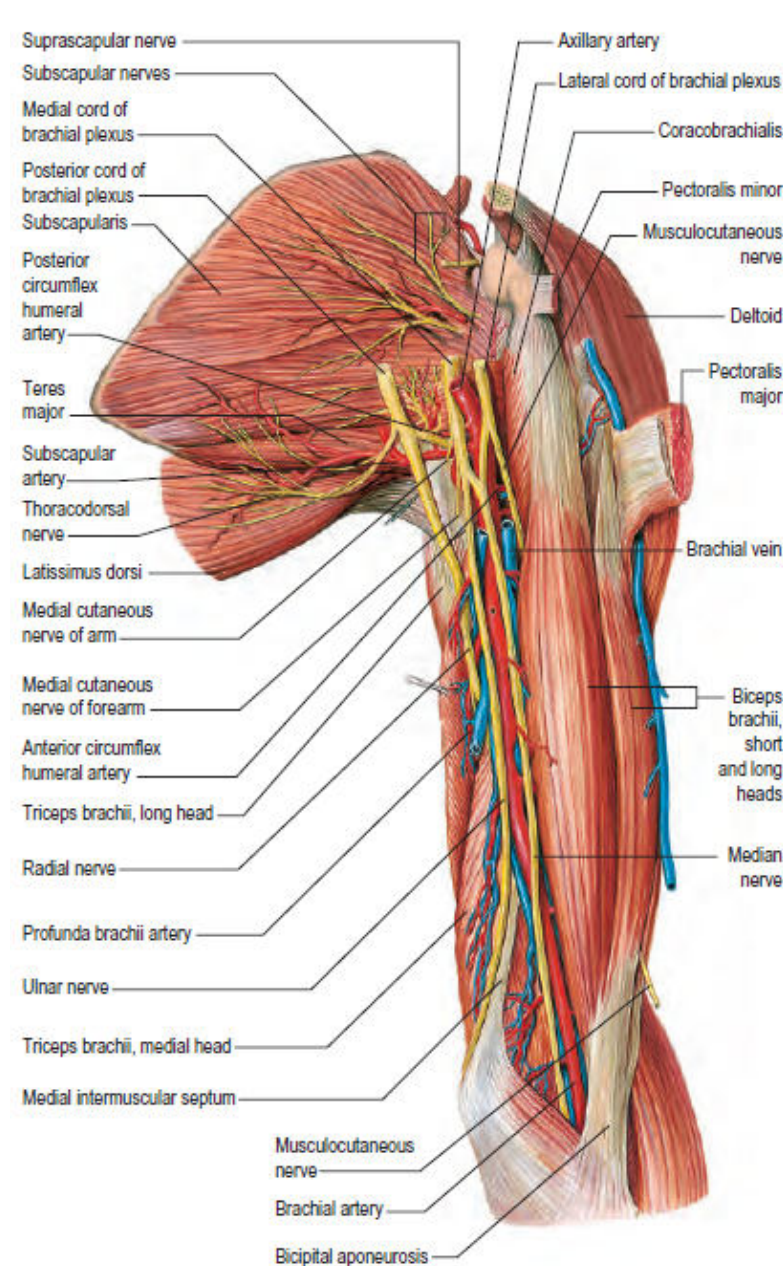


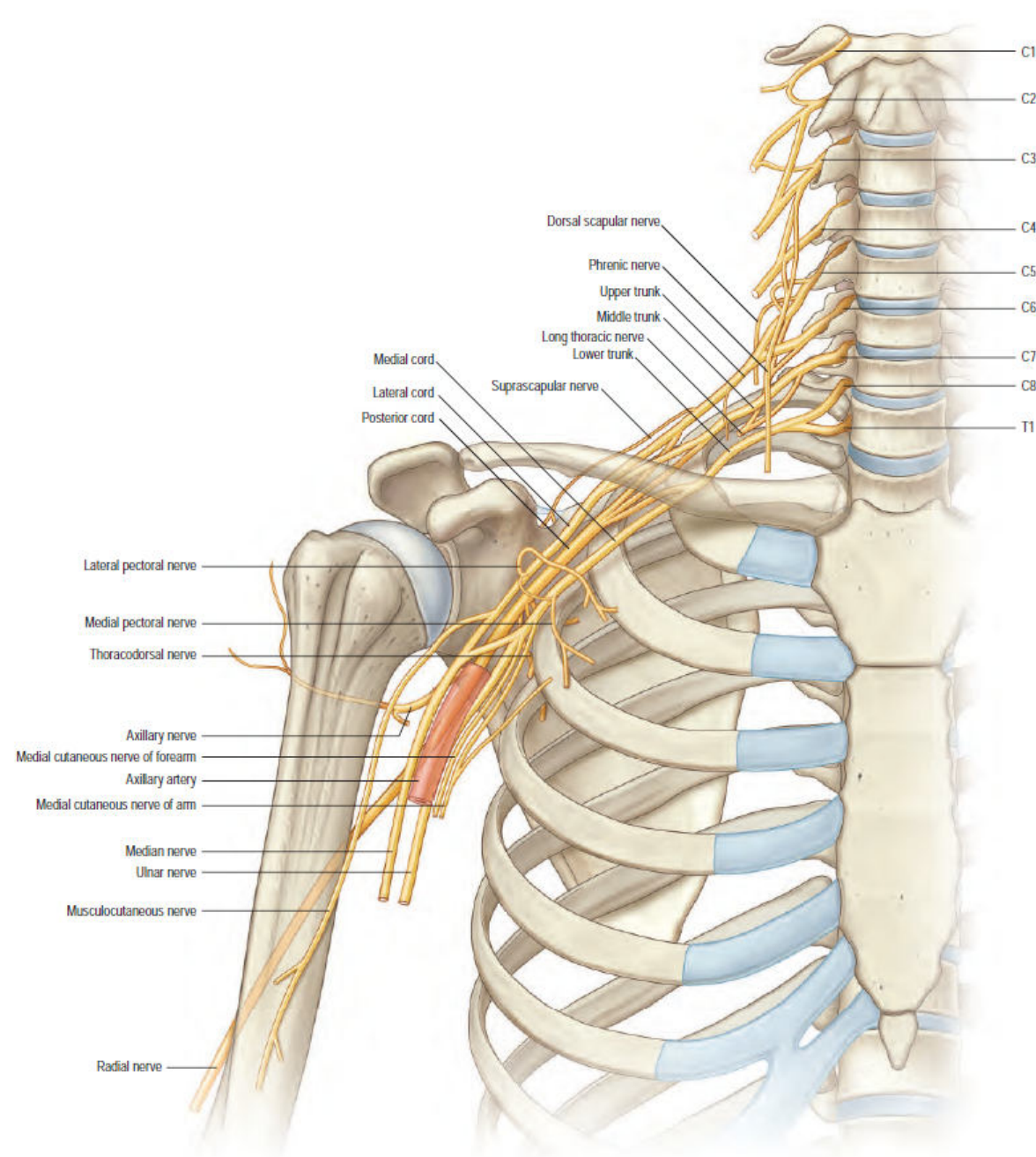
Learning Objectives

- Origin and root value
- Course and relations
- Branches and structures supplied
- Applied/Clinical anatomy

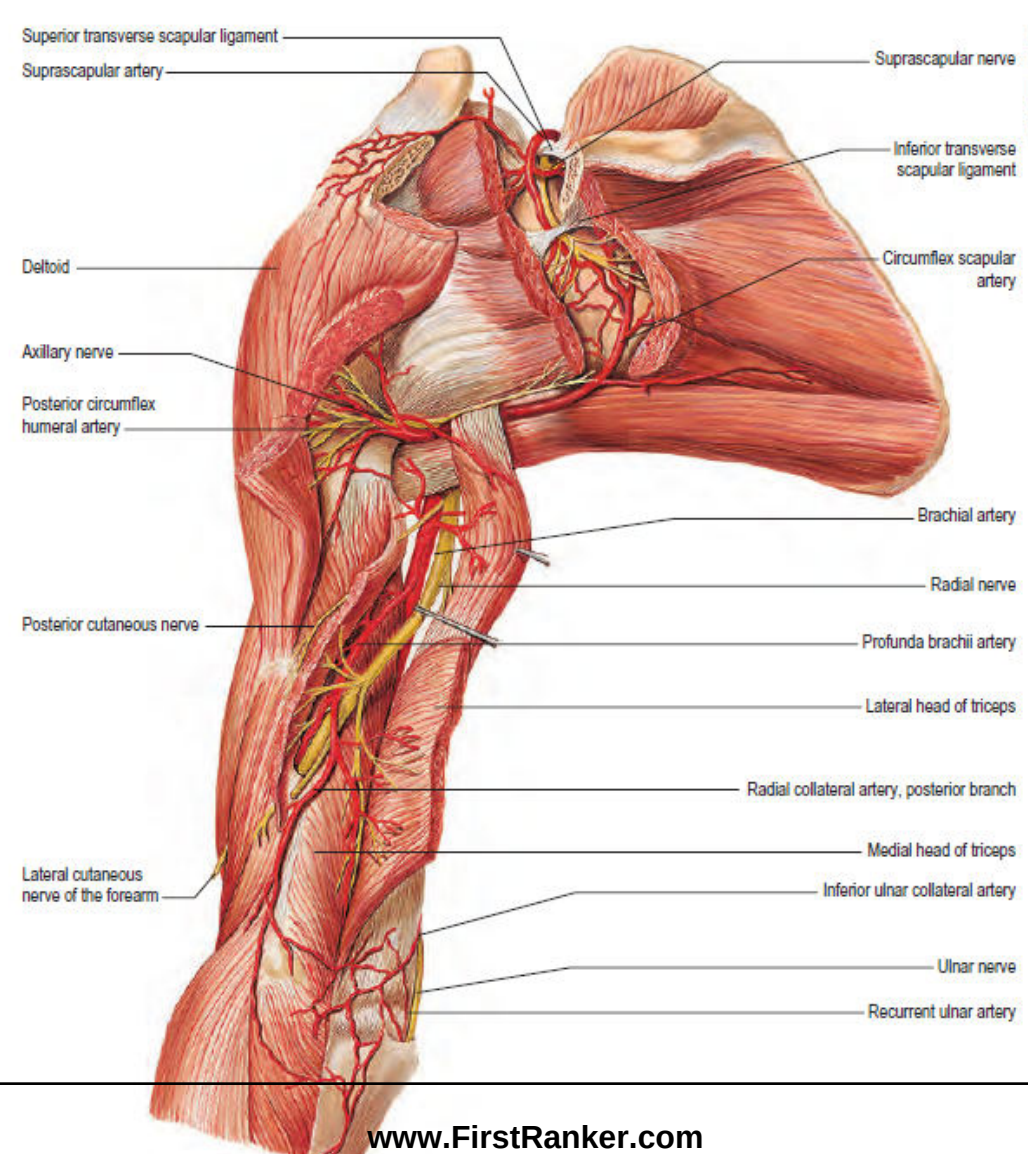
Origin and Relation in Axilla



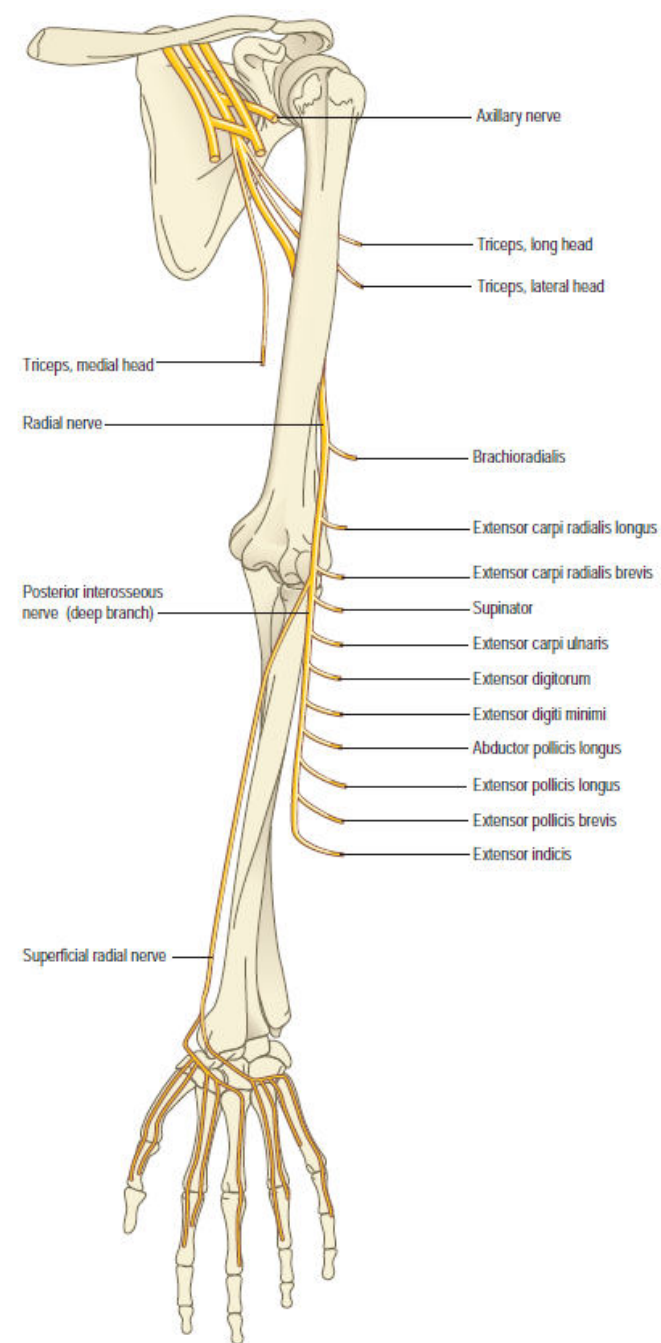
Continued.....



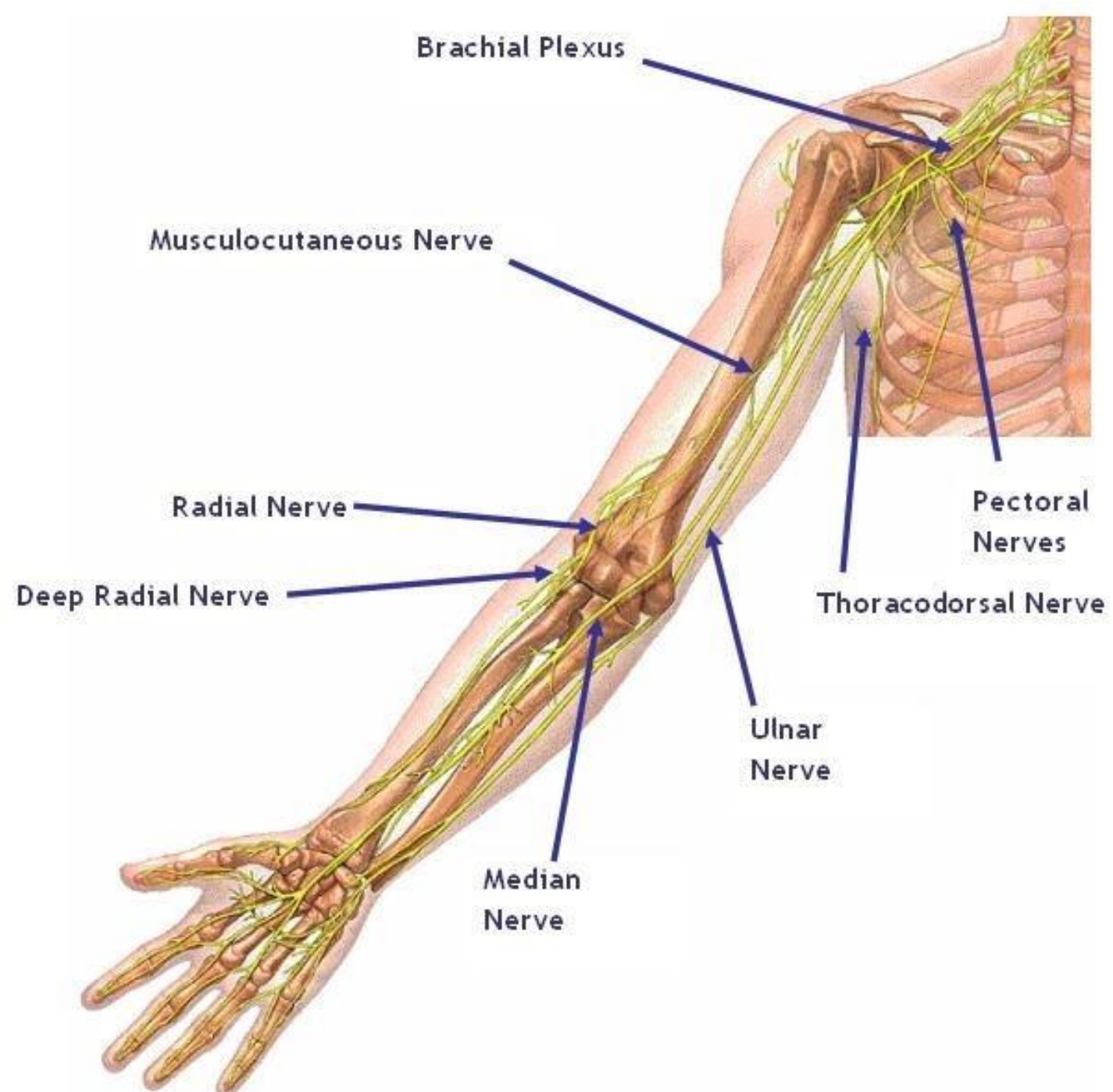
In Lower Triangle and Spiral Groove



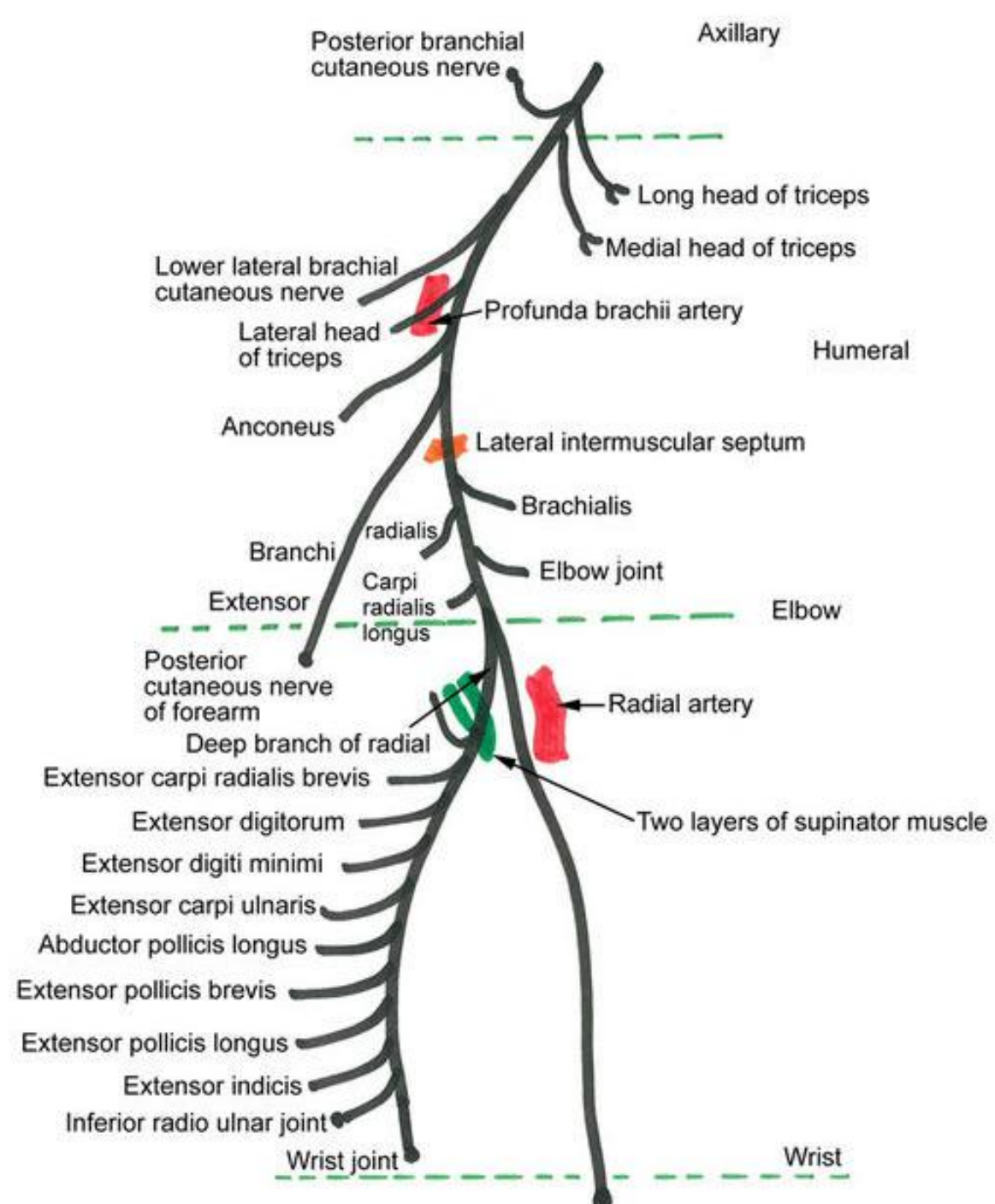
Branches and Termination



Continued....



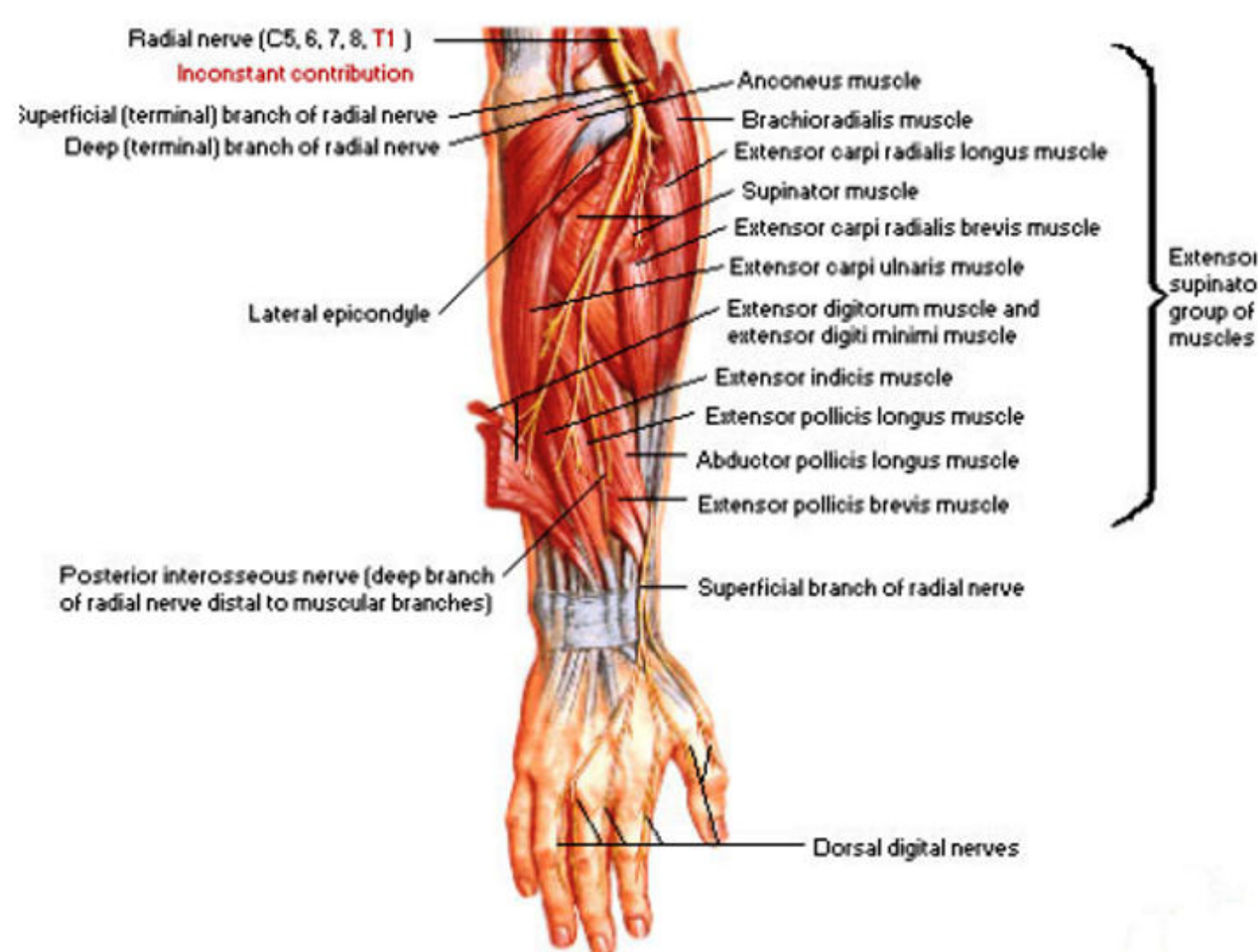
Continued..



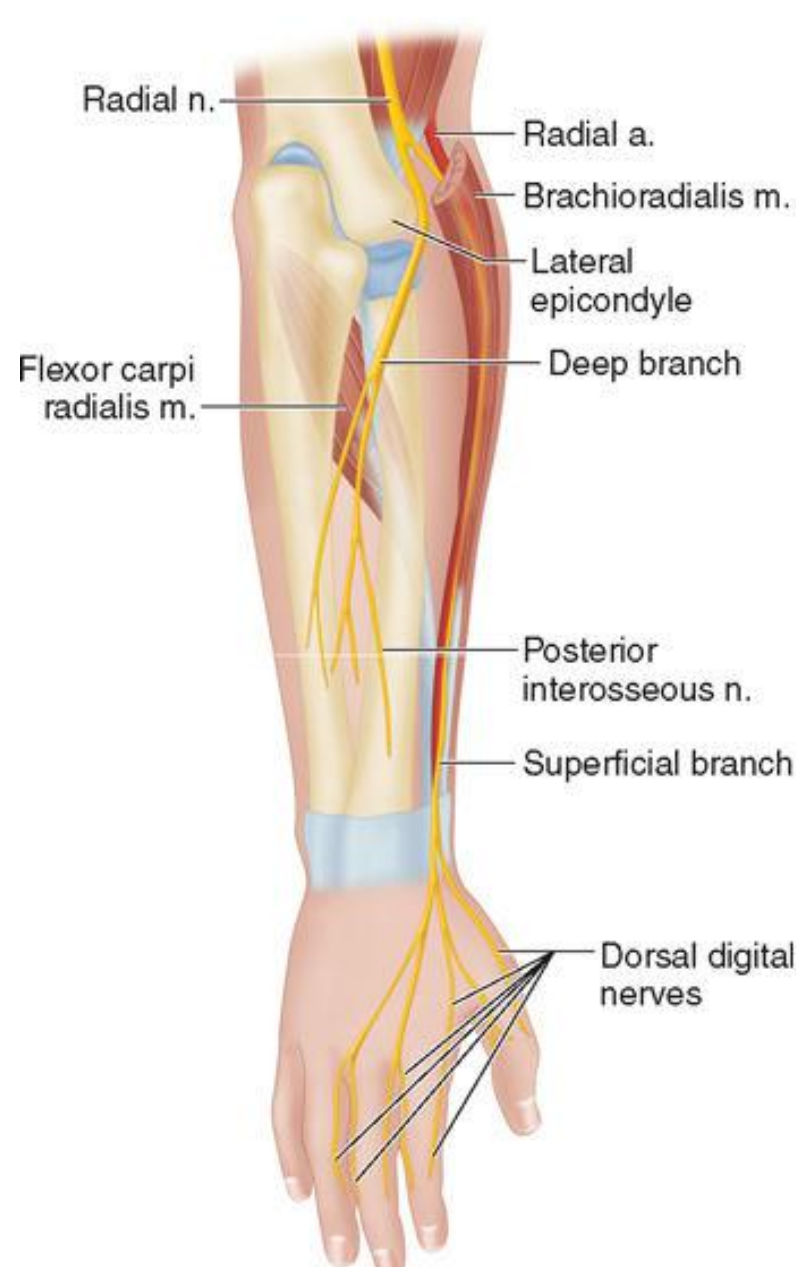
Superficial Branch of Radial Nerve



Branches of Deep Branch Of Radial Nerve



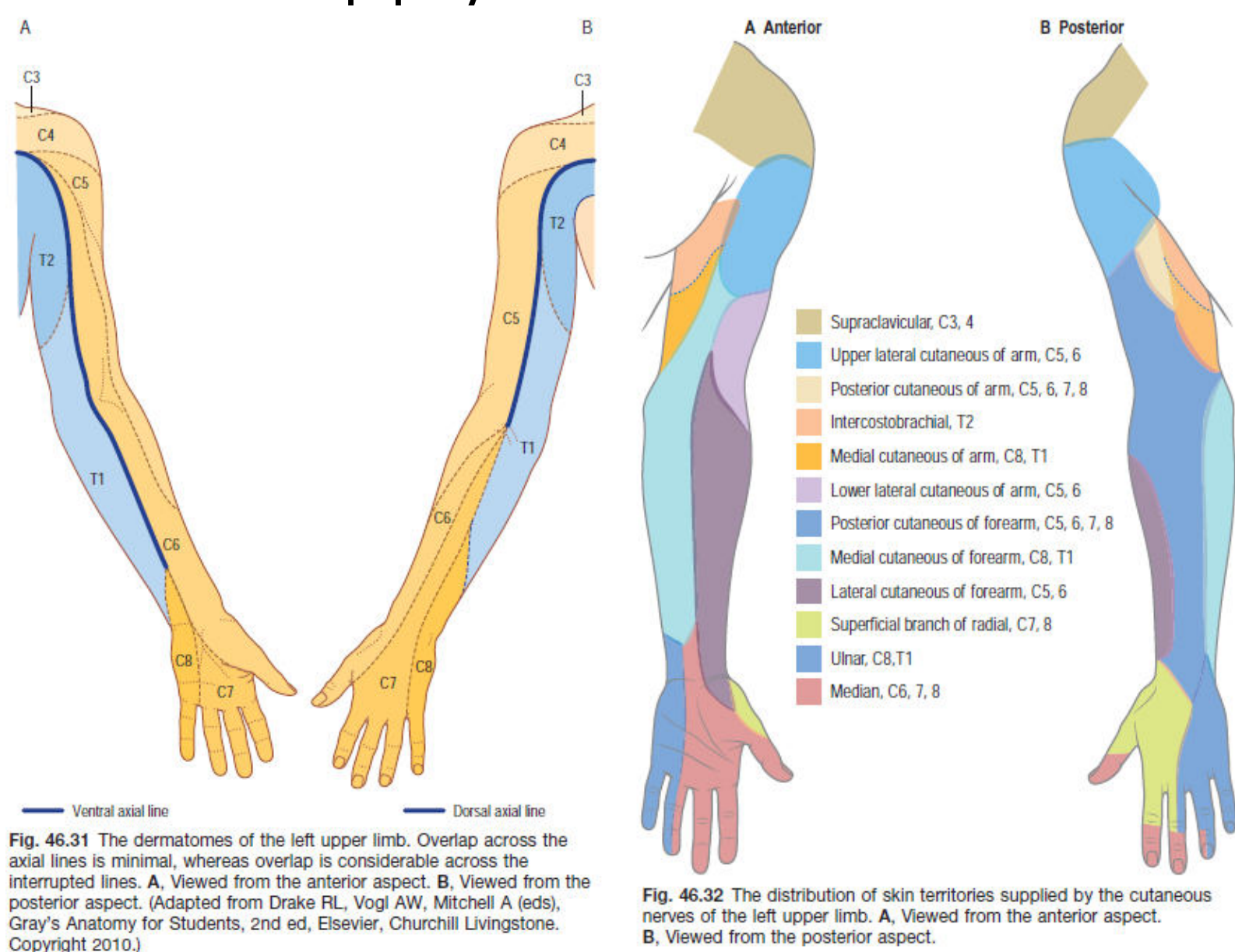
Superficial Branch



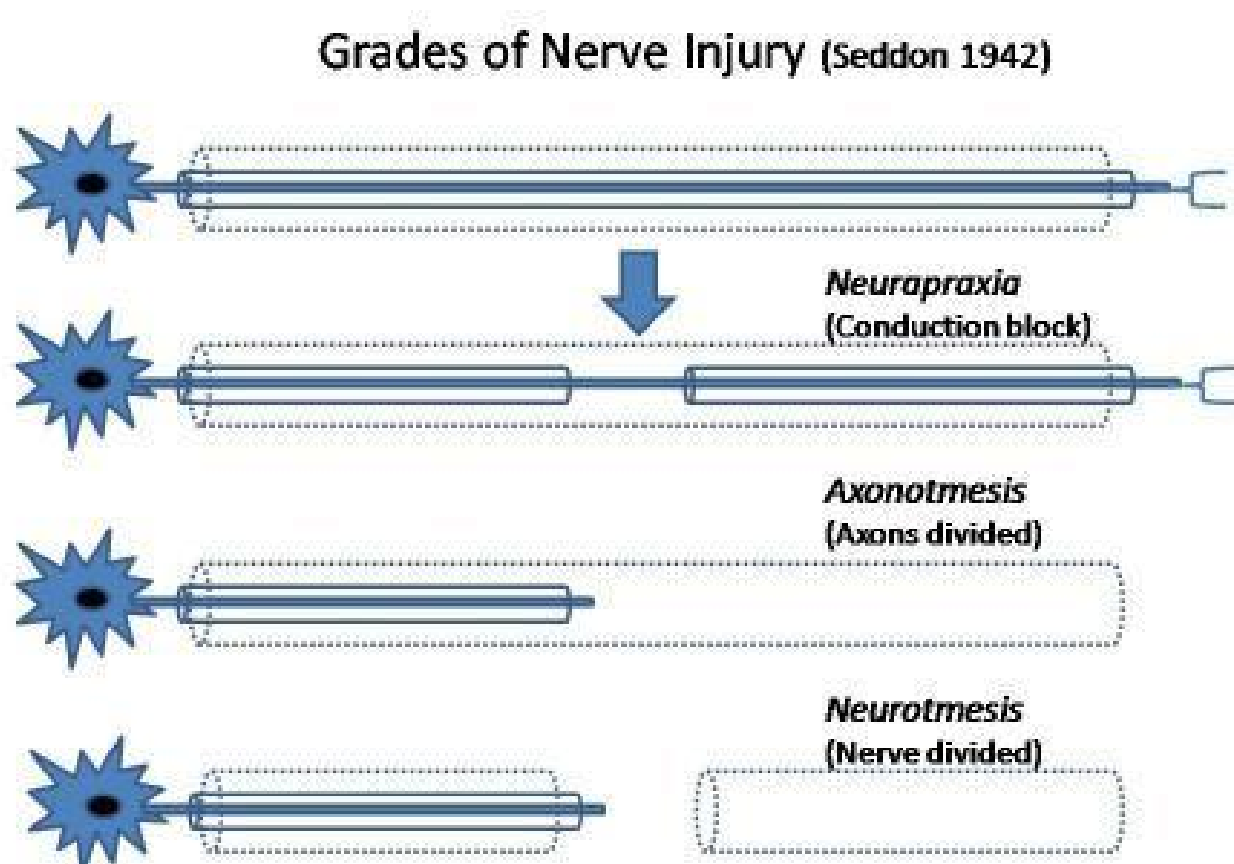
Source: Butterworth JF, Mackey DC, Wasnick JD: *Morgan & Mikhail's Clinical Anesthesiology*, 5th Edition: www.accessmedicine.com

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Cutaneous Supply



Radial Nerve Injuries(Trauma/Compression Neuropathy)



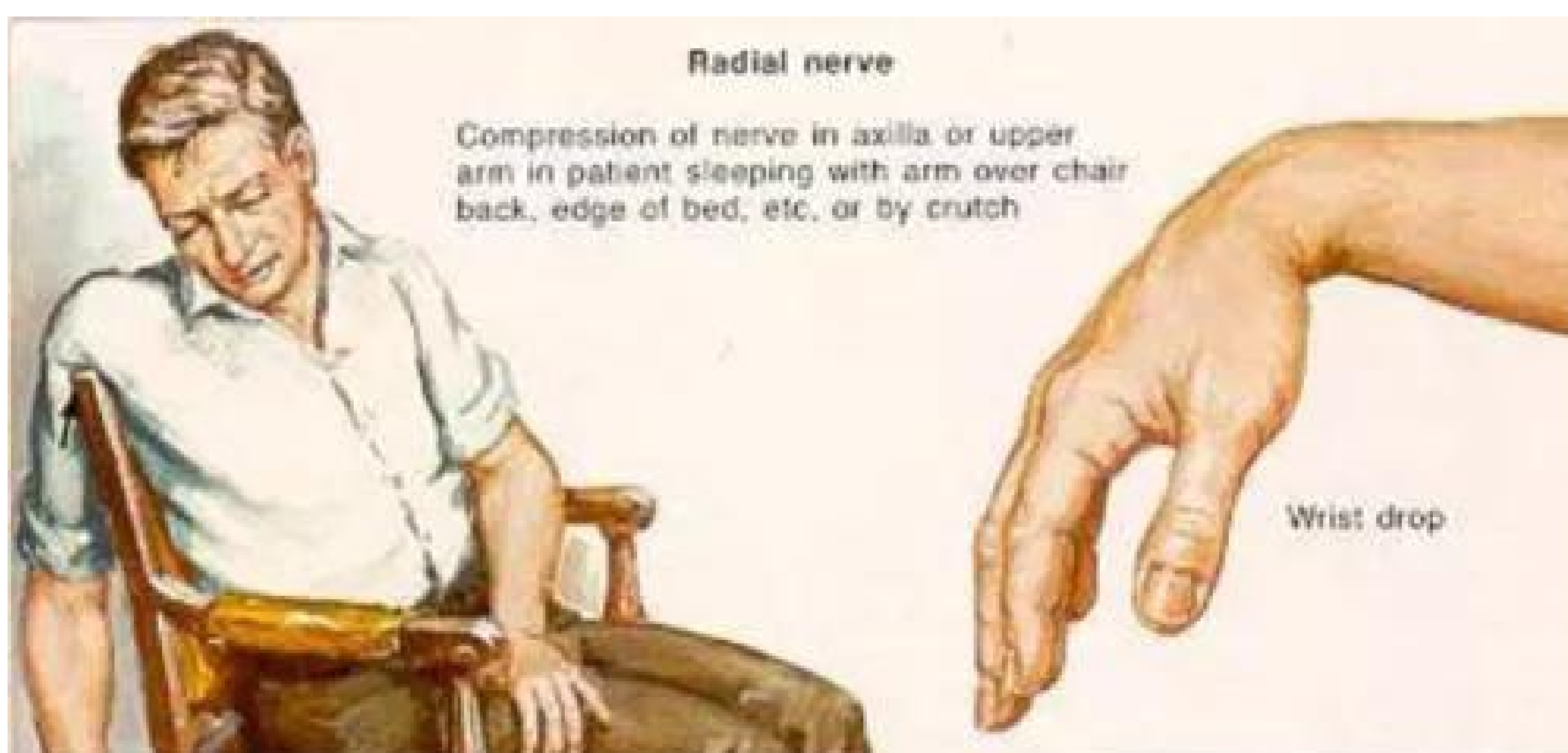
Continued...

- Crutch Palsy
- Saturday Night Palsy
- Radial Tunnel Syndrome/[Tennis Elbow](#)
- Compression by Radial Recurrent Artery (Leash of Henry)
- Arcade of Frohse
- PIN Syndrome

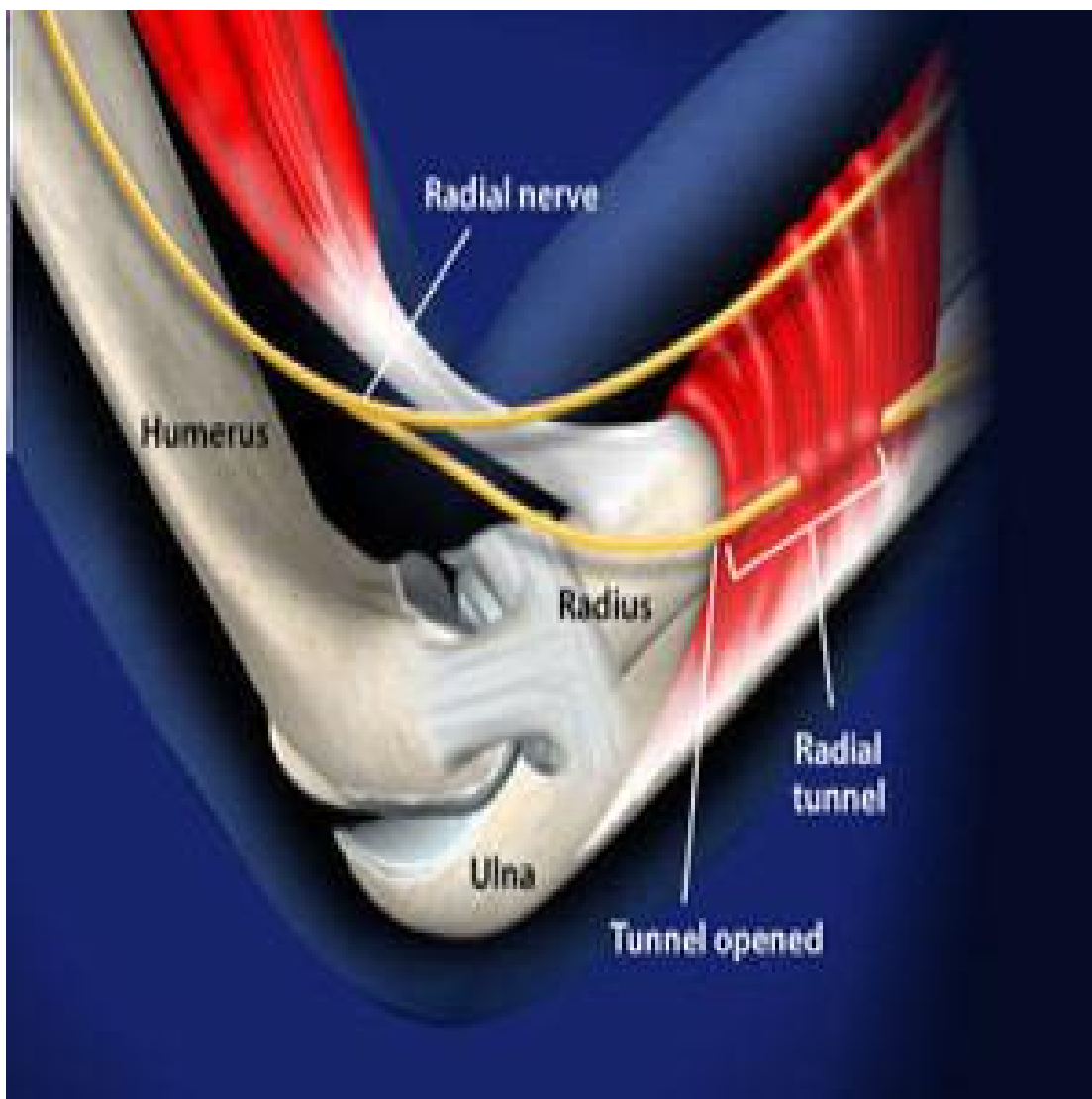
Continued...

- Tendinous edge of the deep surface of ECRB
- Cheiralgia paraesthetica /Handcuff neuropathy/ Wristwatch neuropathy/ Wartenberg syndrome(Mononeuropathy)
- [de Quervain's disease or de Quervain's Tenosynovitis](#)
- Fractures(Holstein – Lewis)

Crutch Palsy

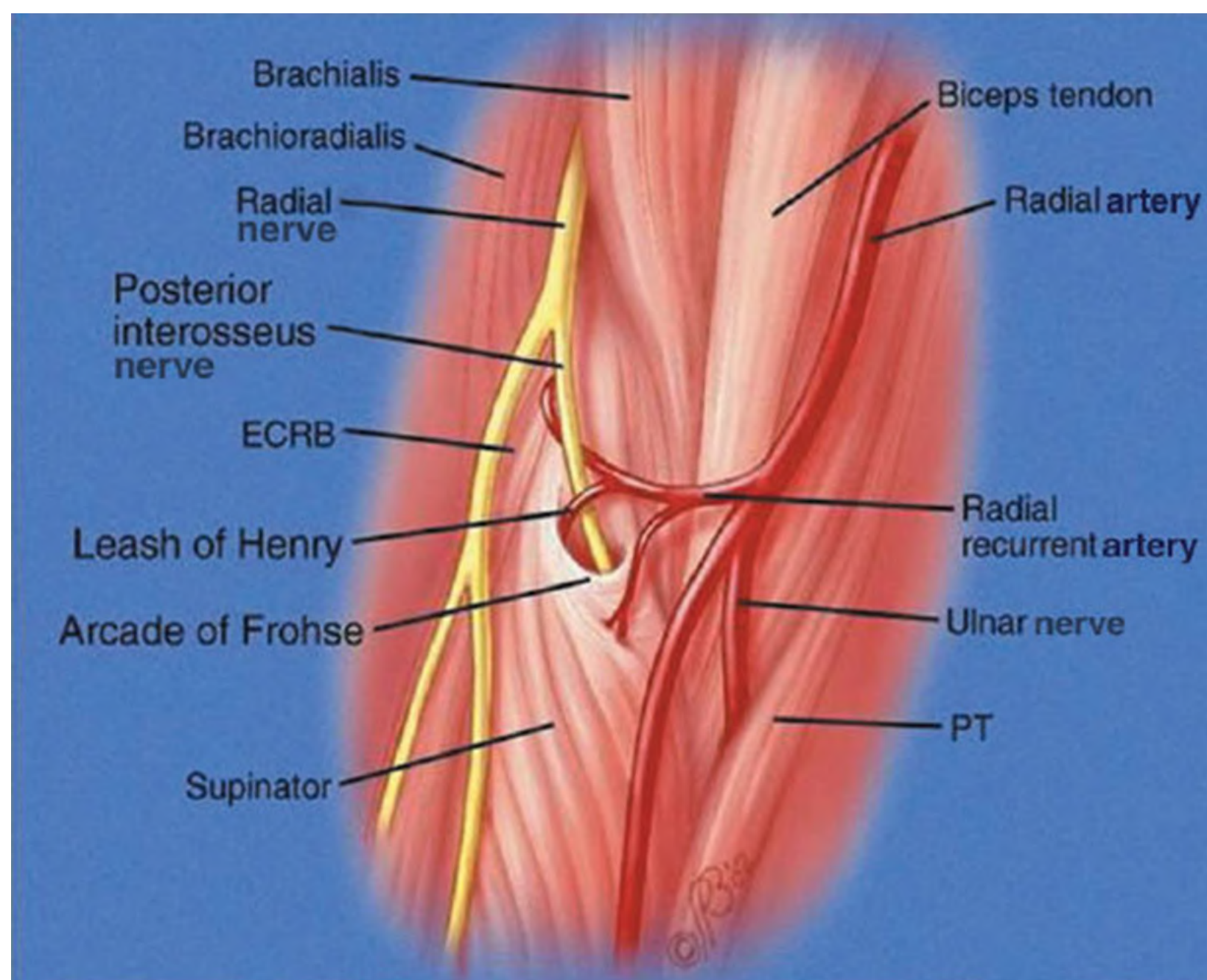


Radial Tunnel Syndrome



Fatigue or a dull aching pain

Compression Sites



Wartenberg Syndrome



Tests and Signs

- Tinsel's Sign
- Motor
- Sensory
- Injury above upper 1/3 of arm
- Injury above upper 1/3 of arm

Mental Exercise(MCQs)

Injury to radial nerve in lower part of spiral groove:

- a) Spares nerve supply to extensor carpi radialis longus
- b) Results in paralysis of anconeus muscle
- c) Leaves extensions at elbow joint intact
- d) Weakens pronation movement

The radial nerve gives off the following muscular branches in the arm except to-

- a) Long head of triceps
- b) Lateral head of triceps
- c) Brachialis
- d) Anconeus
- e) Brachioradialis