

MUSCULOSKELETAL SYSTEM

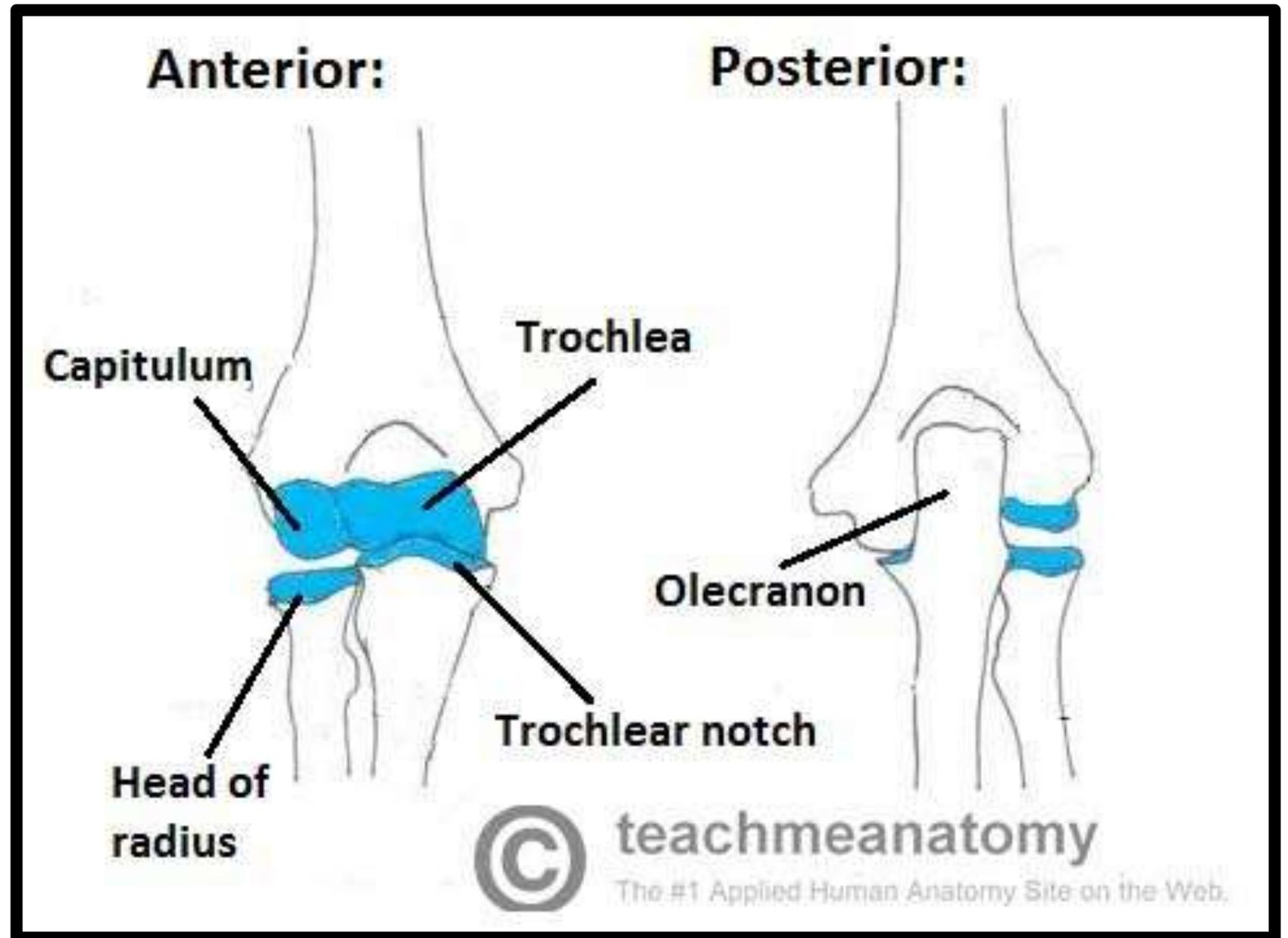
LAB 2 Anatomy

Dr. Aiman Qais Afar
Surgical Anatomist

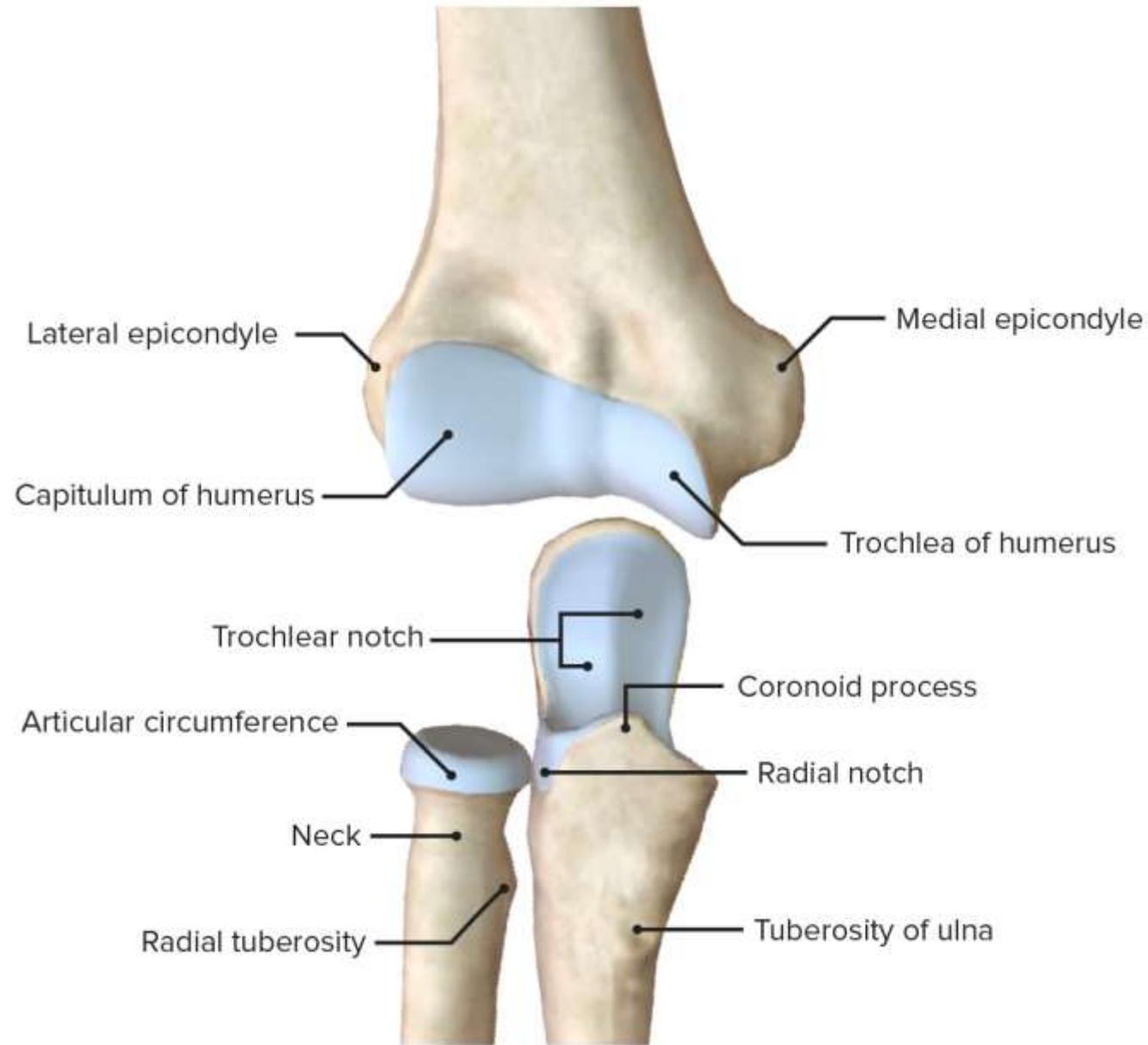
College of Medicine / University of Mutah

Monday 7 March 2022

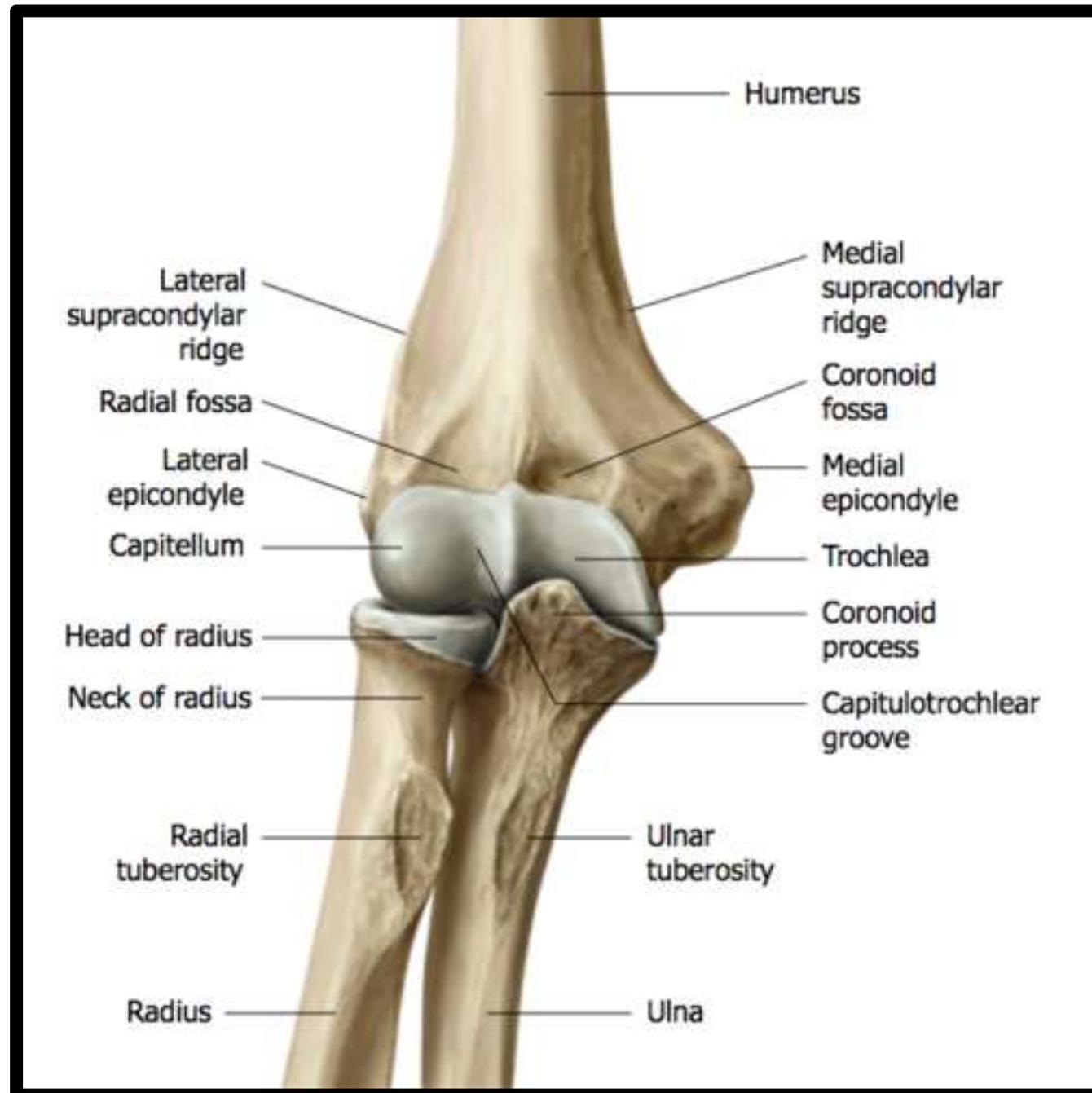
Elbow Joint



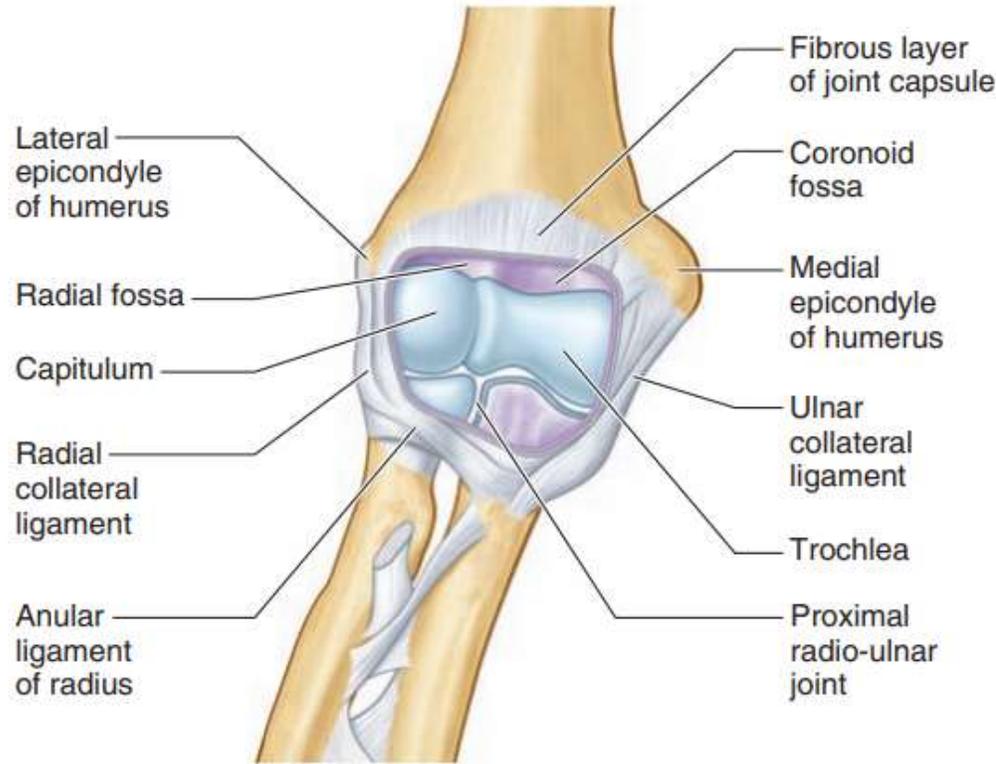
Elbow Joint



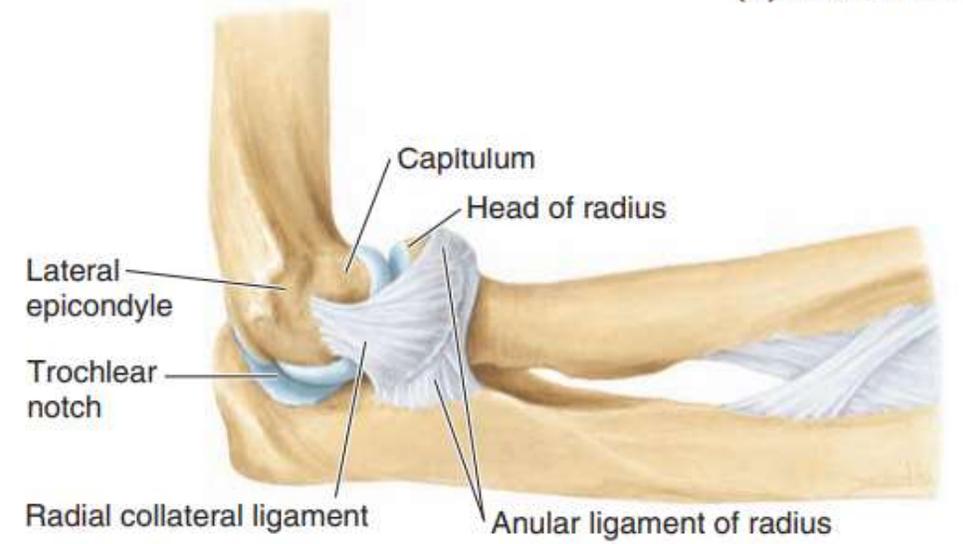
Elbow Joint



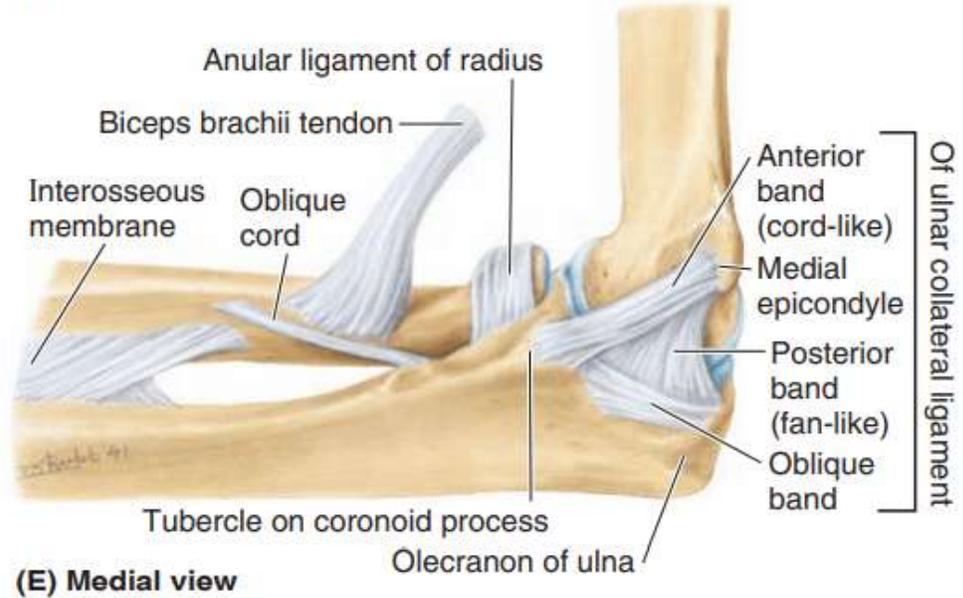
(A) Anteroposterior (AP) view



(C) Anterior view



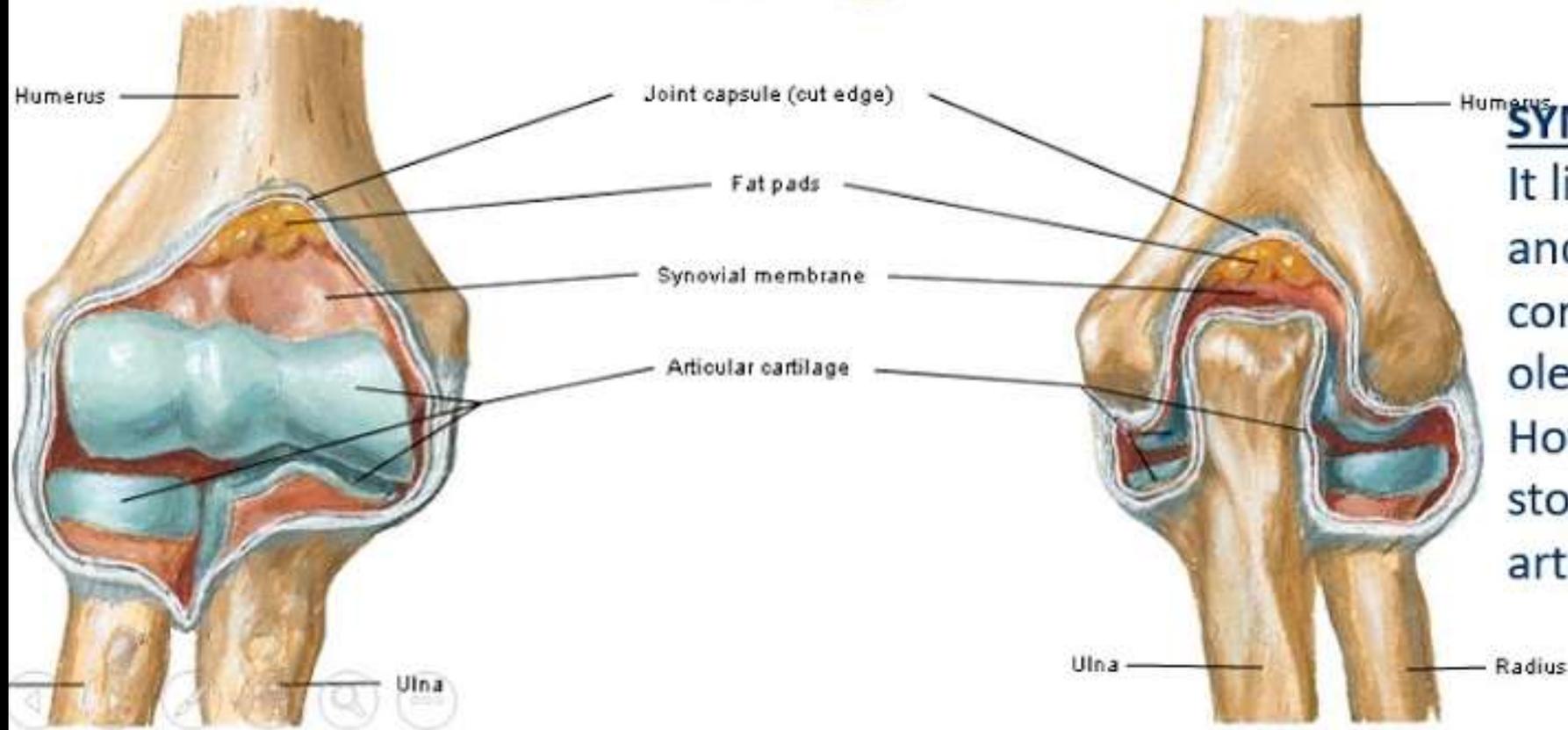
(D) Lateral view



(E) Medial view

FIGURE 6.55. Elbow and proximal radio-ulnar joints. A. Anteroposterior radiograph. B. Lateral radiograph. C. Articulating surfaces. The thin anterior aspect of the joint capsule has been removed. D. Anular ligament. E. Medial ligaments. F. Lateral ligaments.

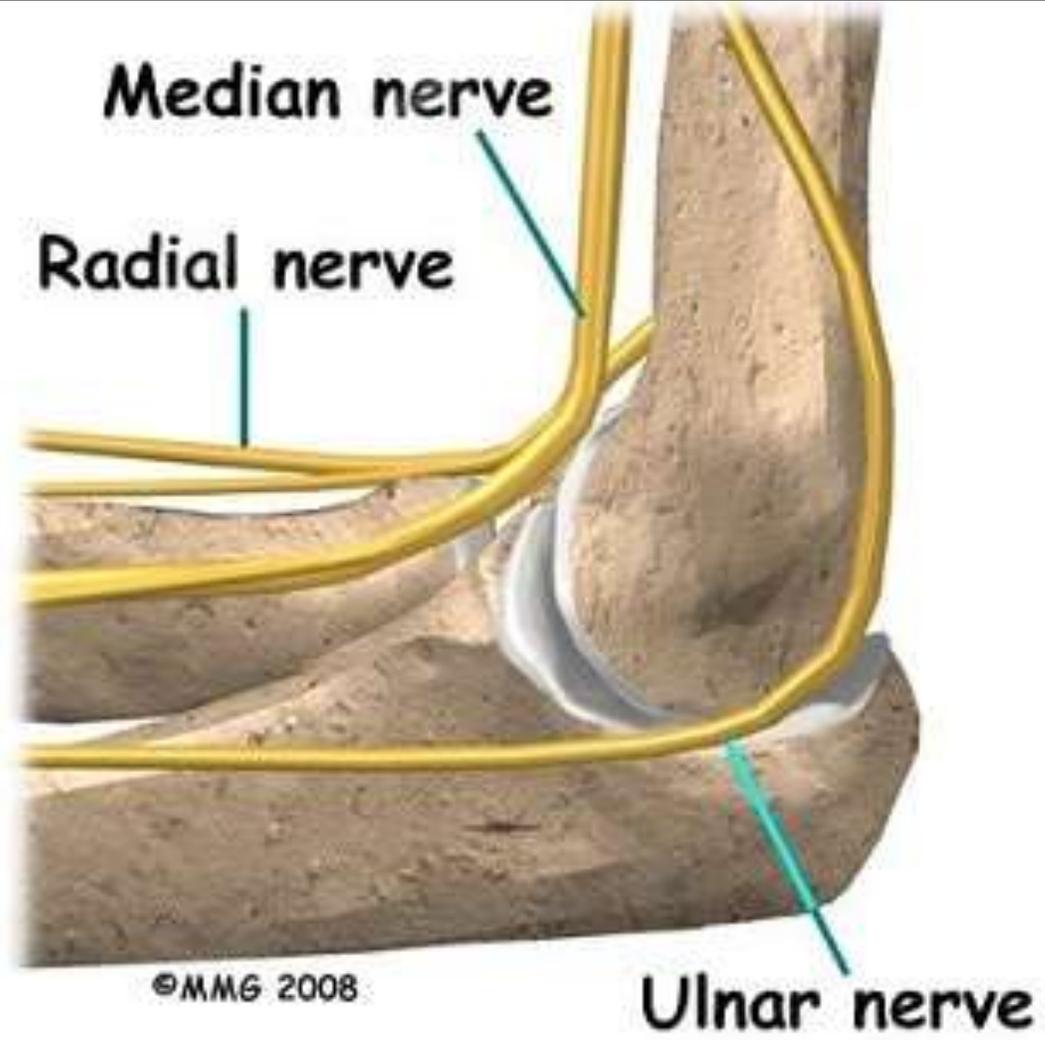
Elbow Joint

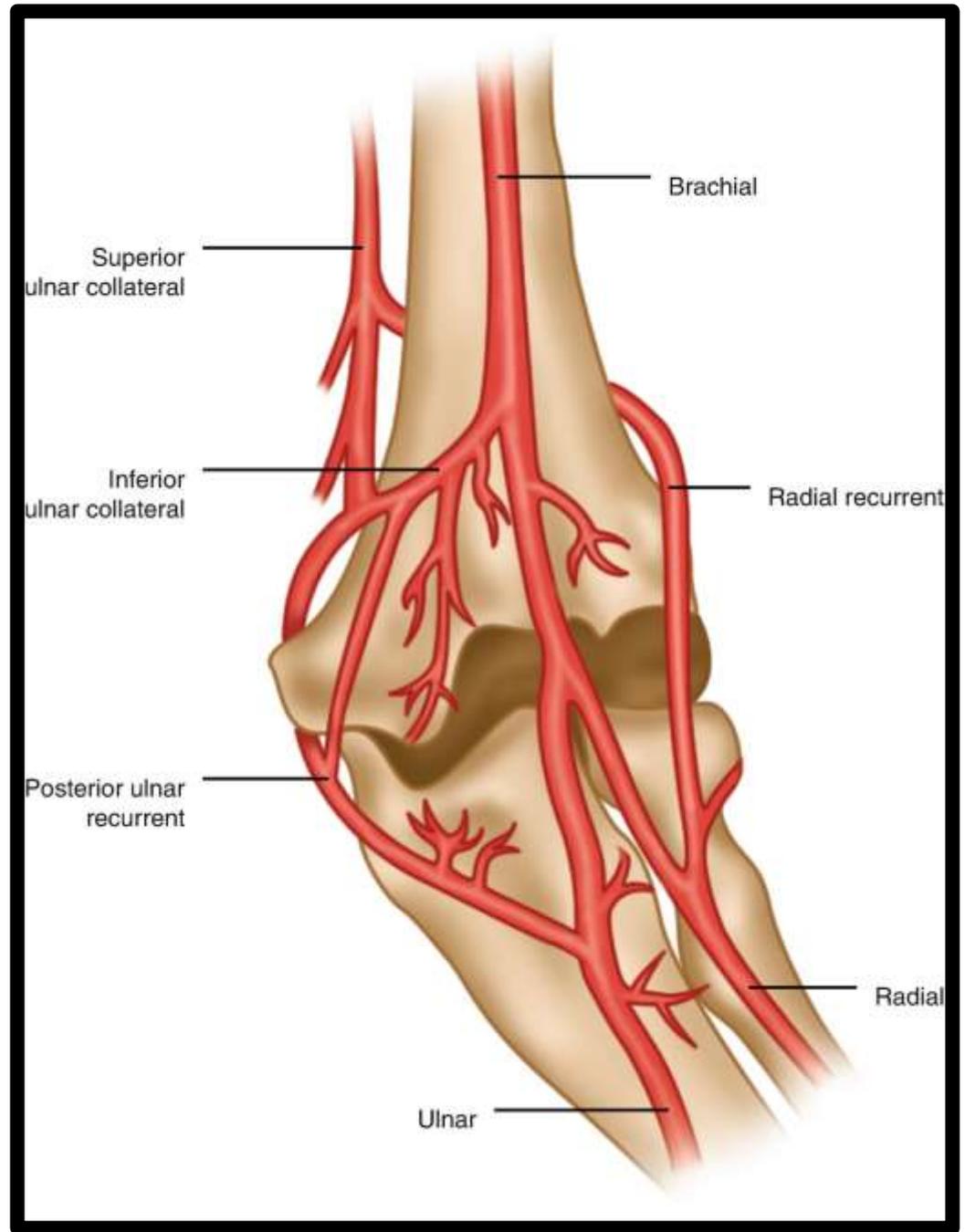
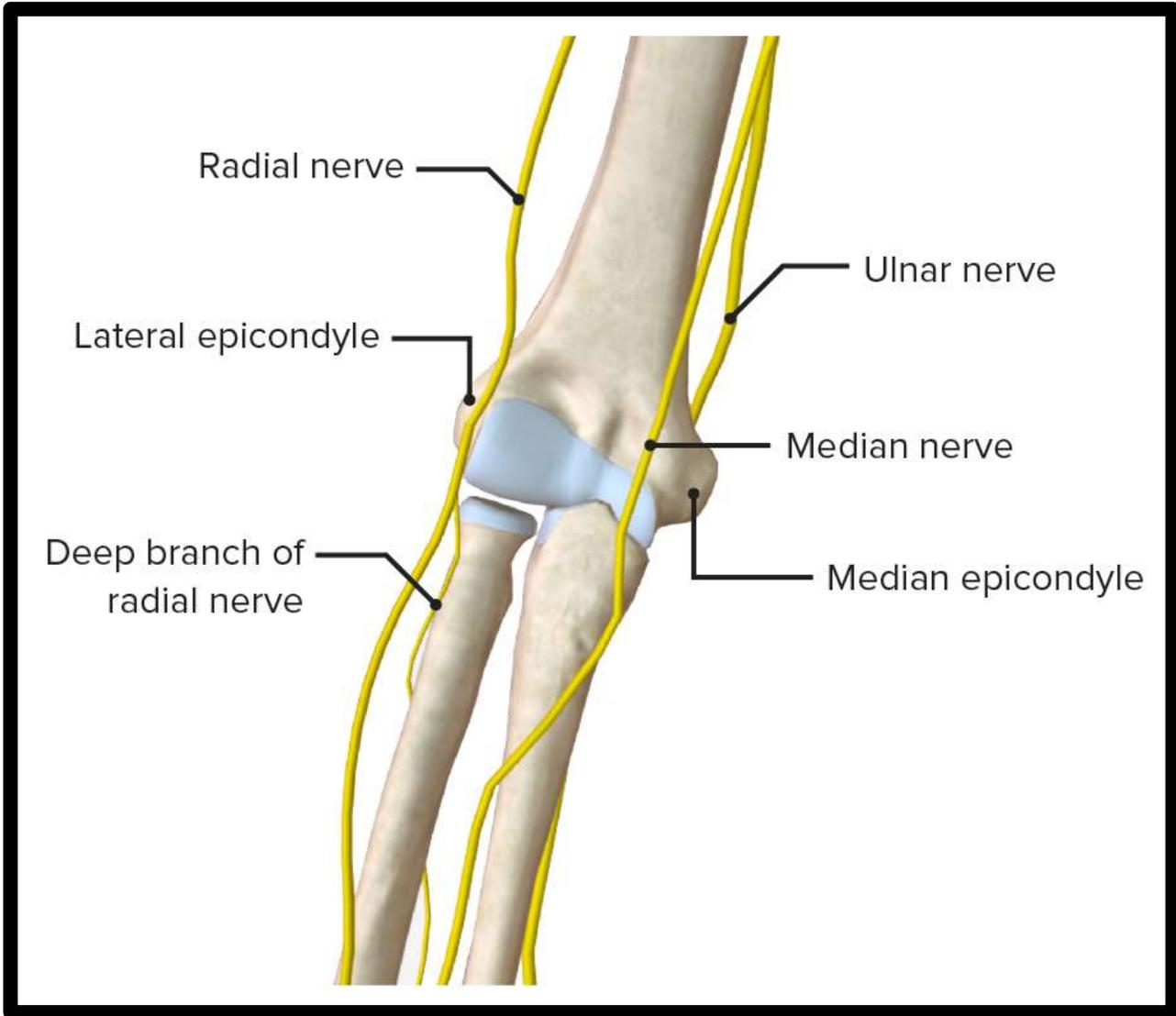


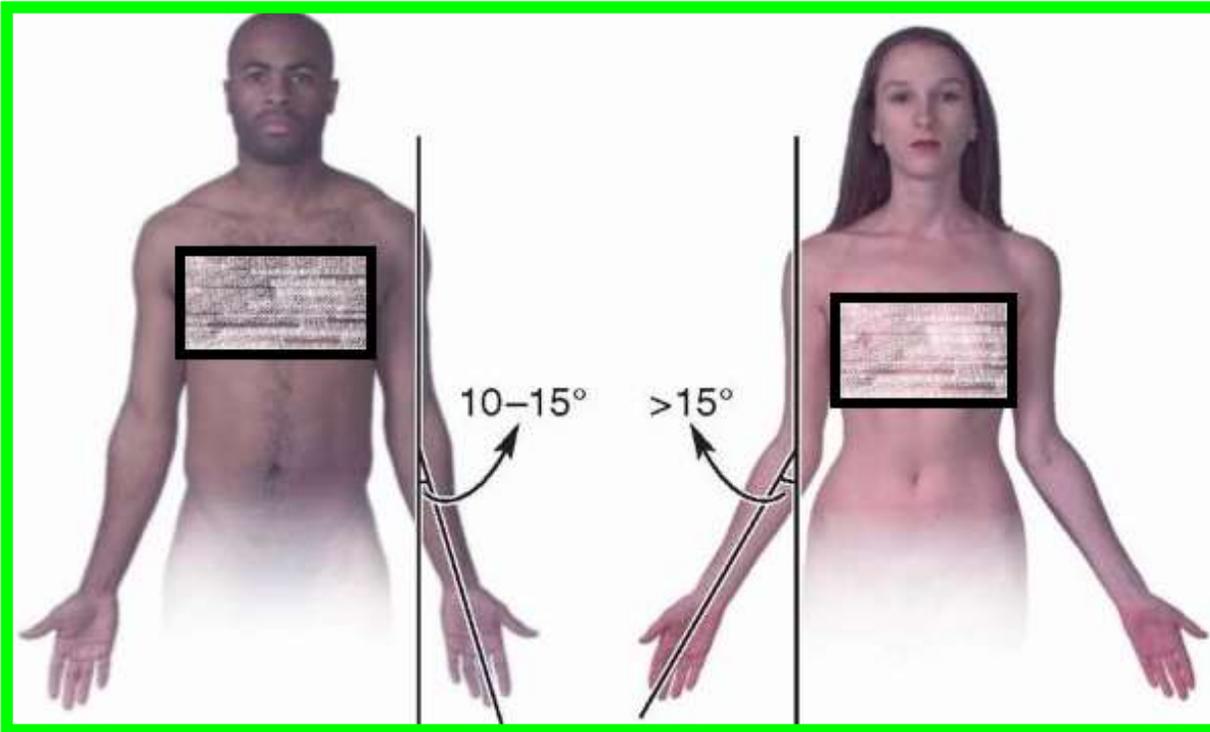
SYNOVIAL MEMBRANE:

It lines the fibrous capsule and is reflected onto the coronoid(1), radial(2) and olecranon fossae

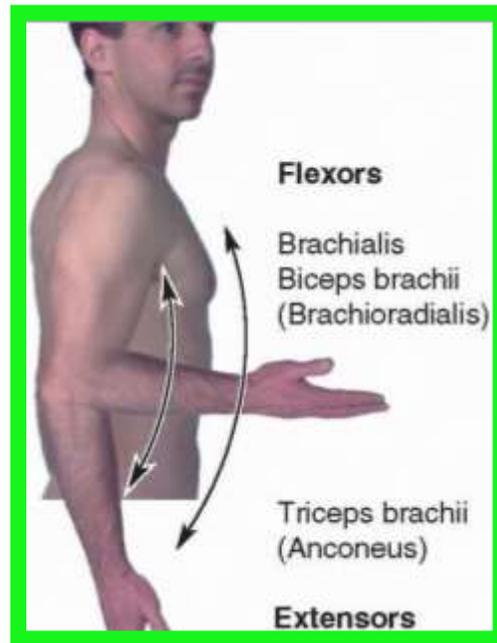
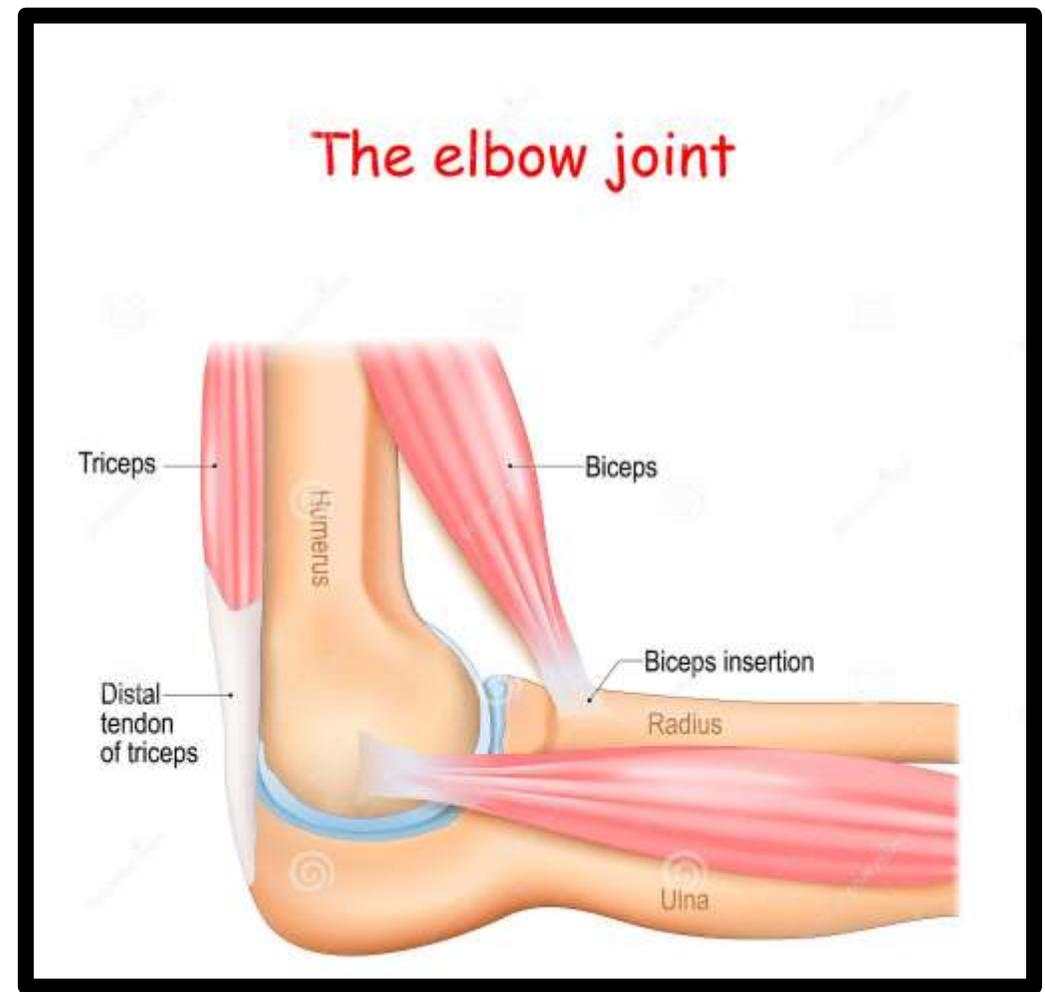
However, the membrane stops at the margin of the articular surface

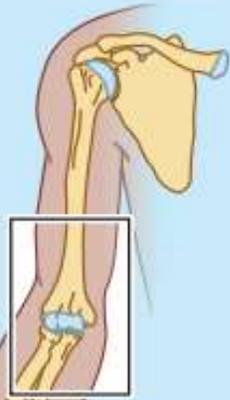




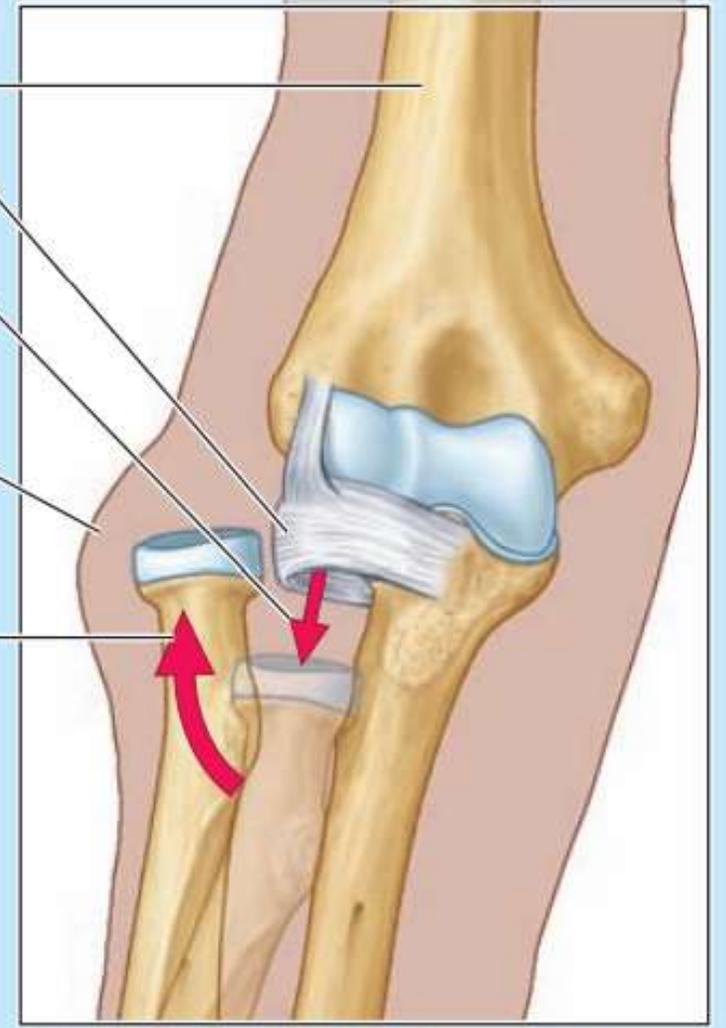


Carrying angle of elbow joint



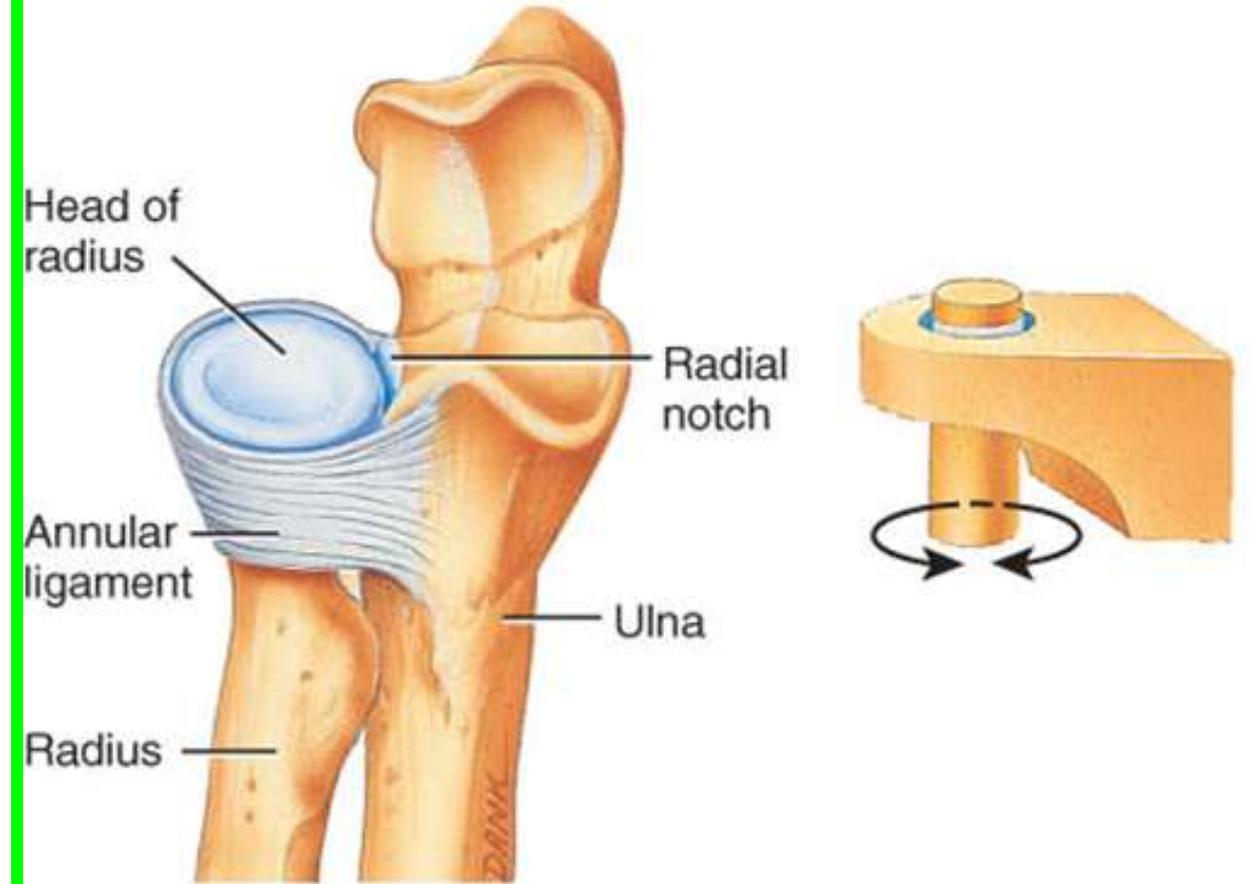
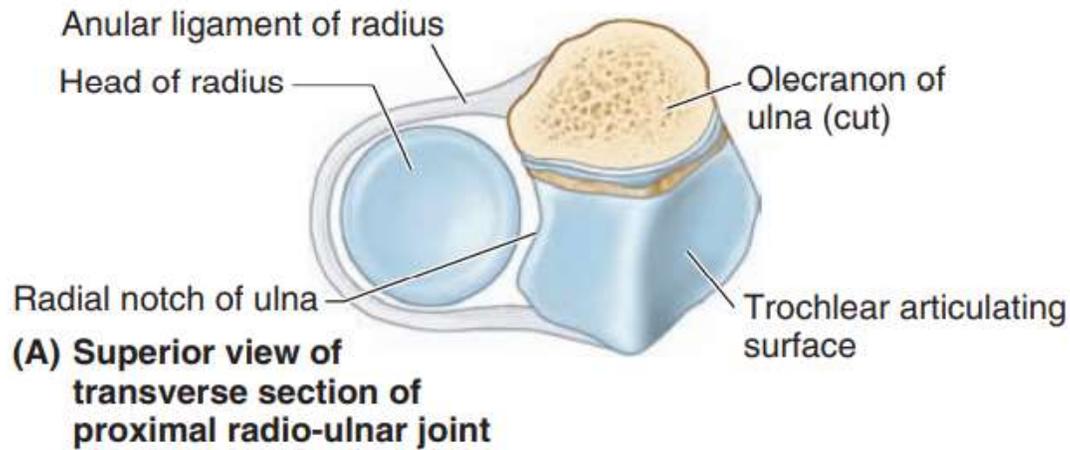


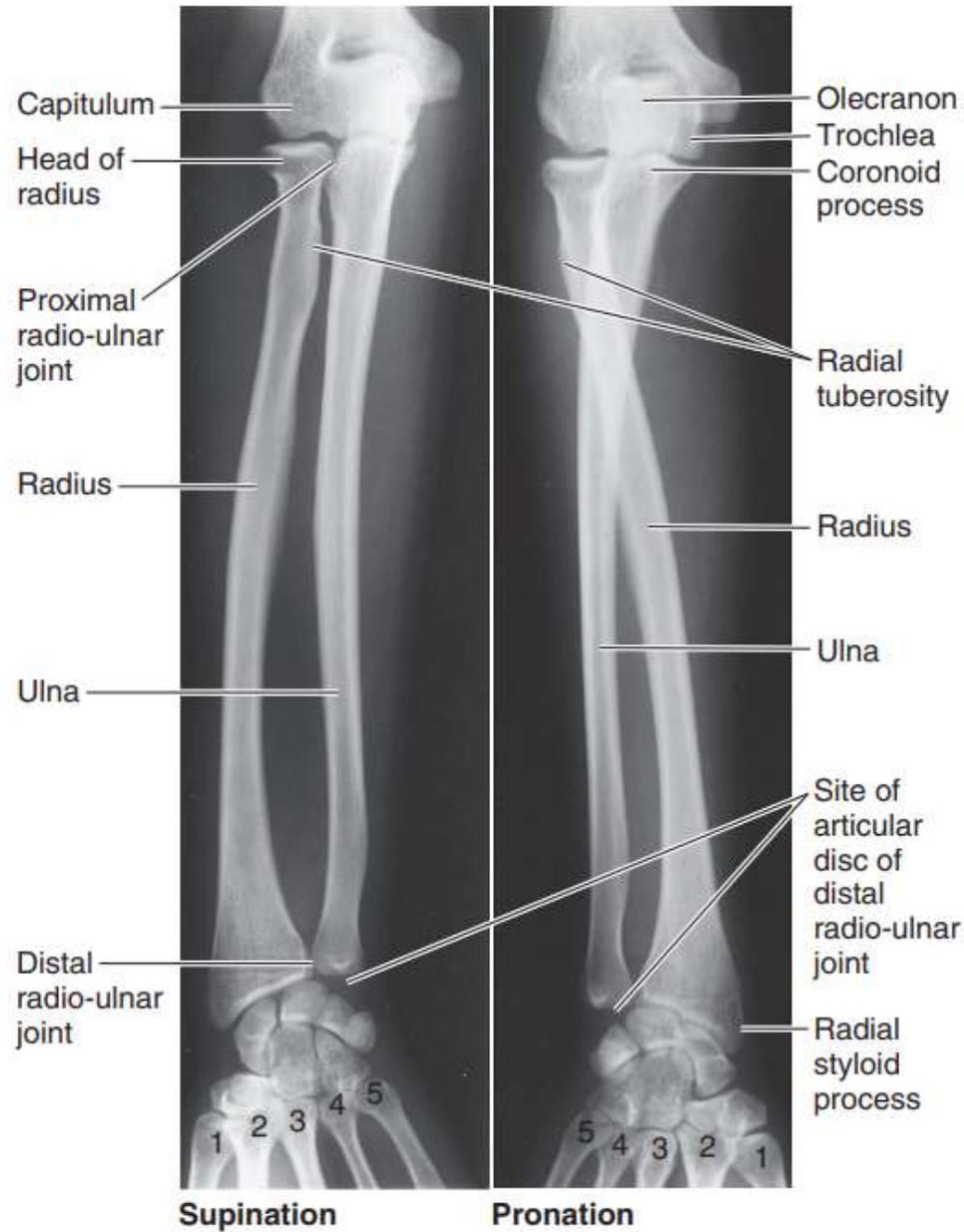
Humerus
Anular ligament
Force causes radial head to subluxate from anular ligament
Lump caused by displaced head of radius
Muscle pulls radial head superiorly



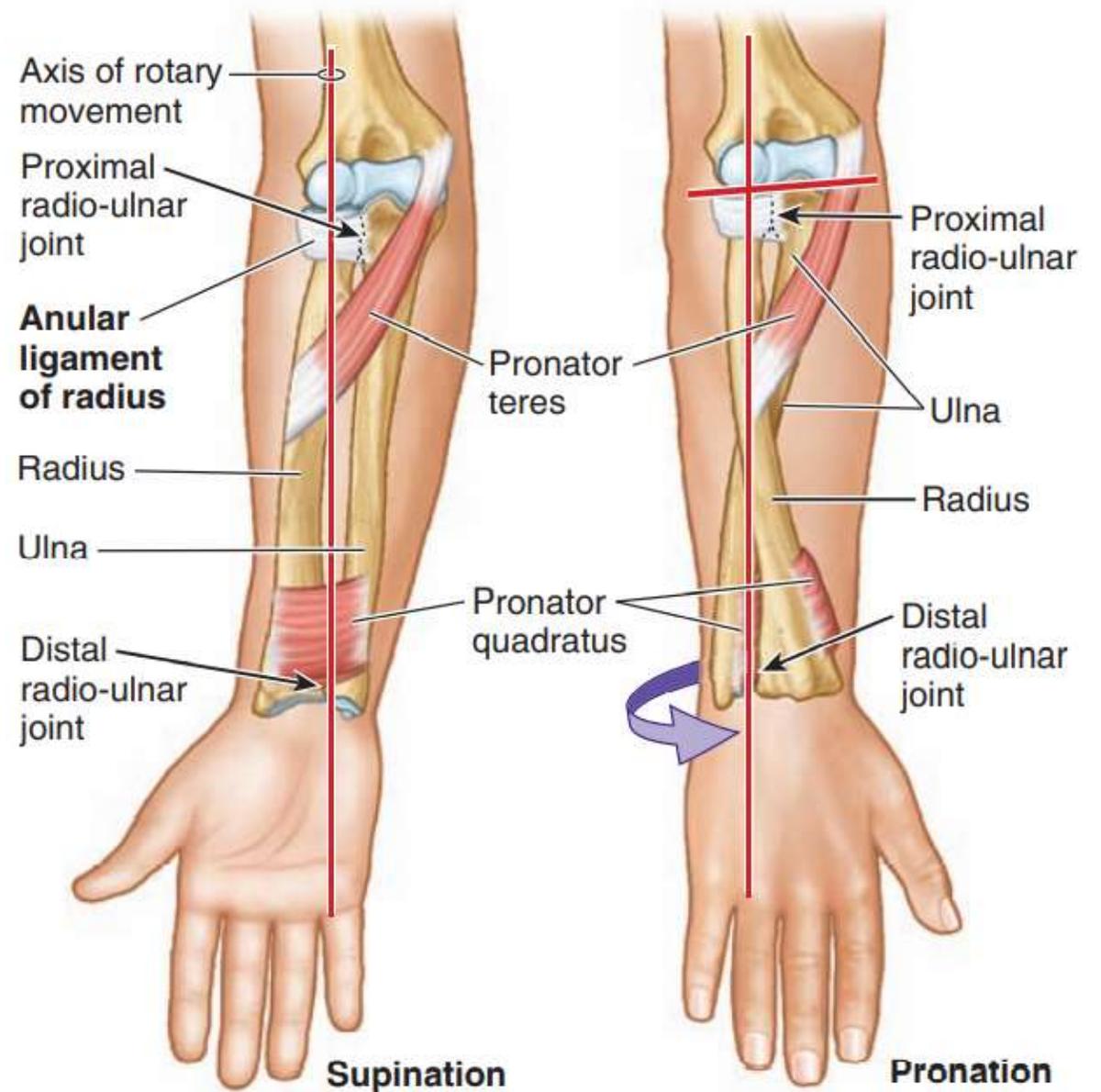
Subluxation and dislocation

Proximal Radioulnar Joint



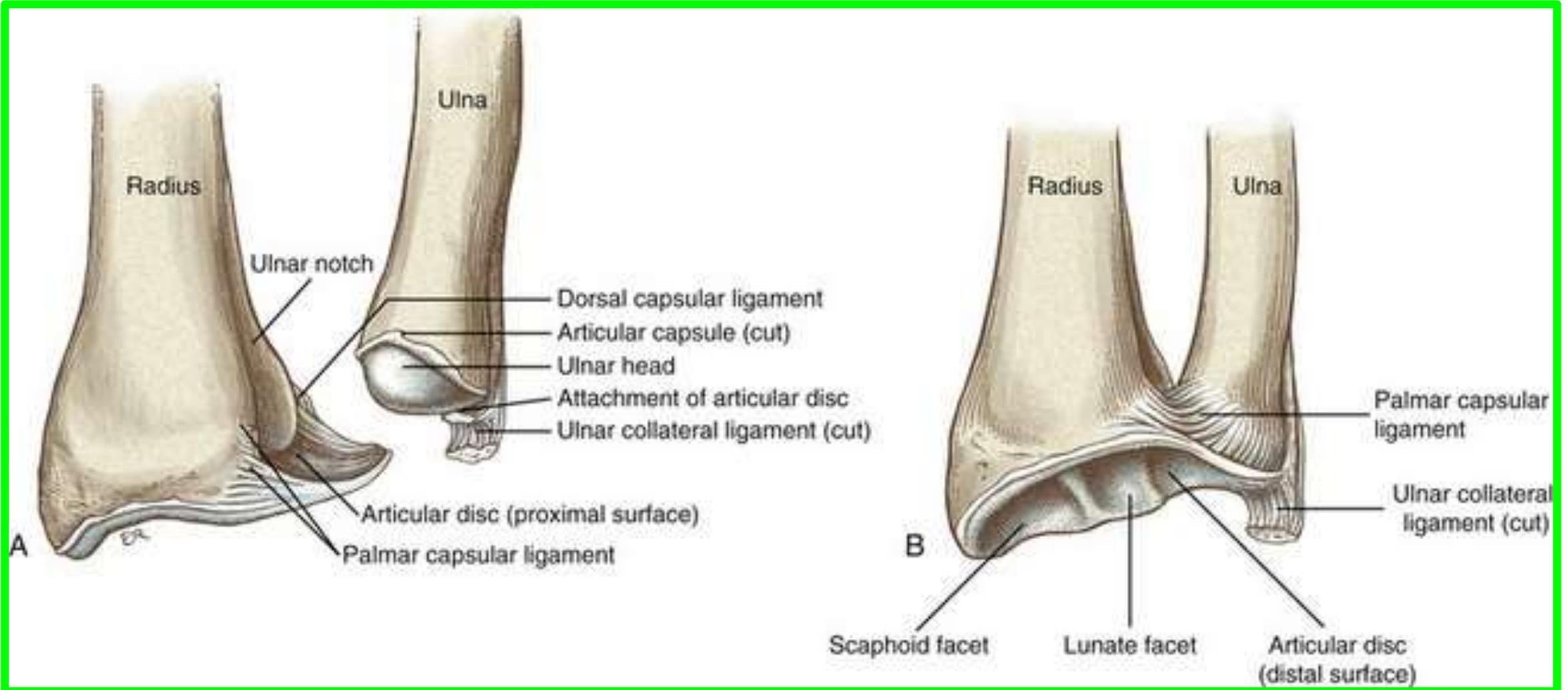


(C) Anteroposterior views

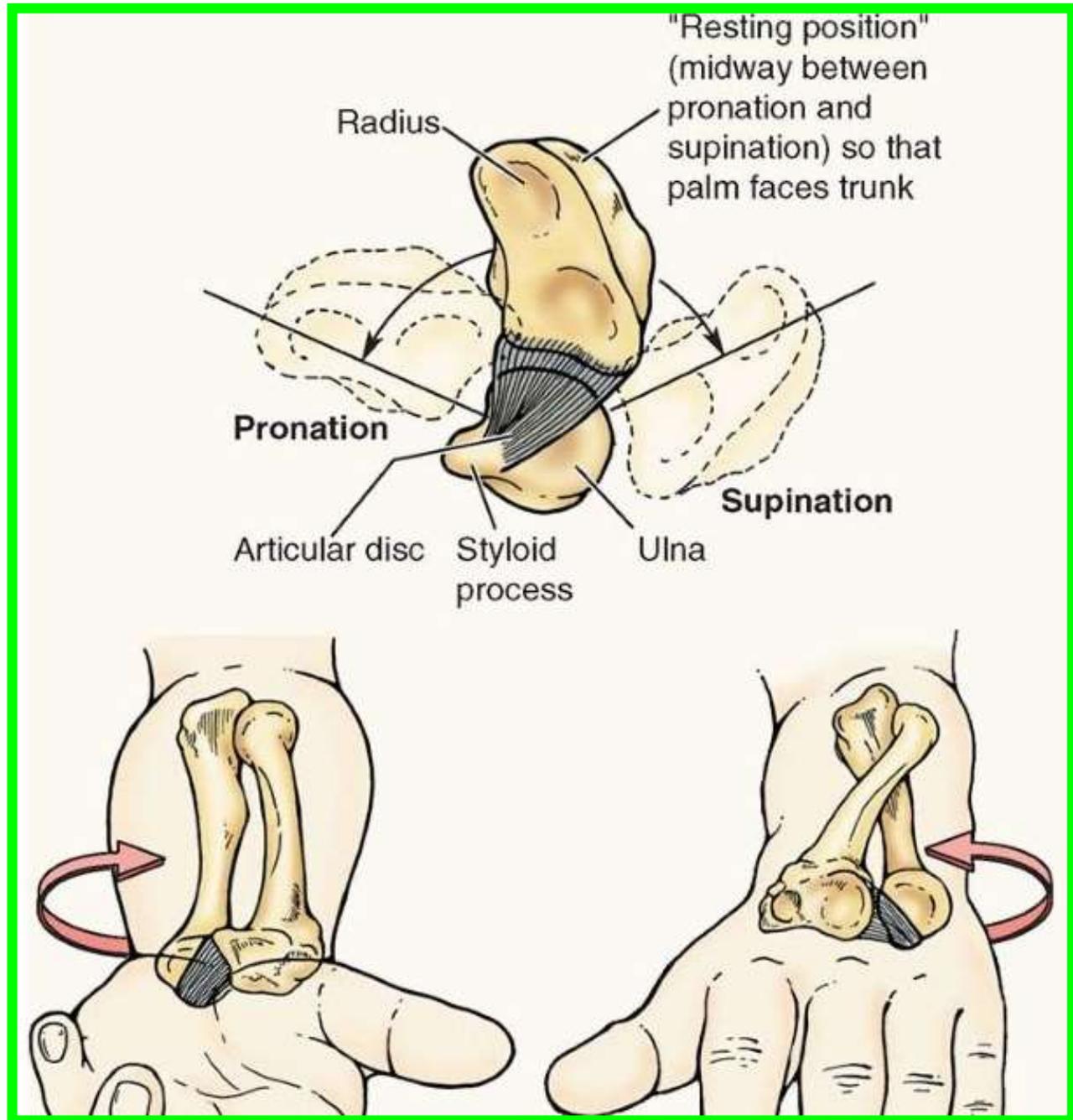
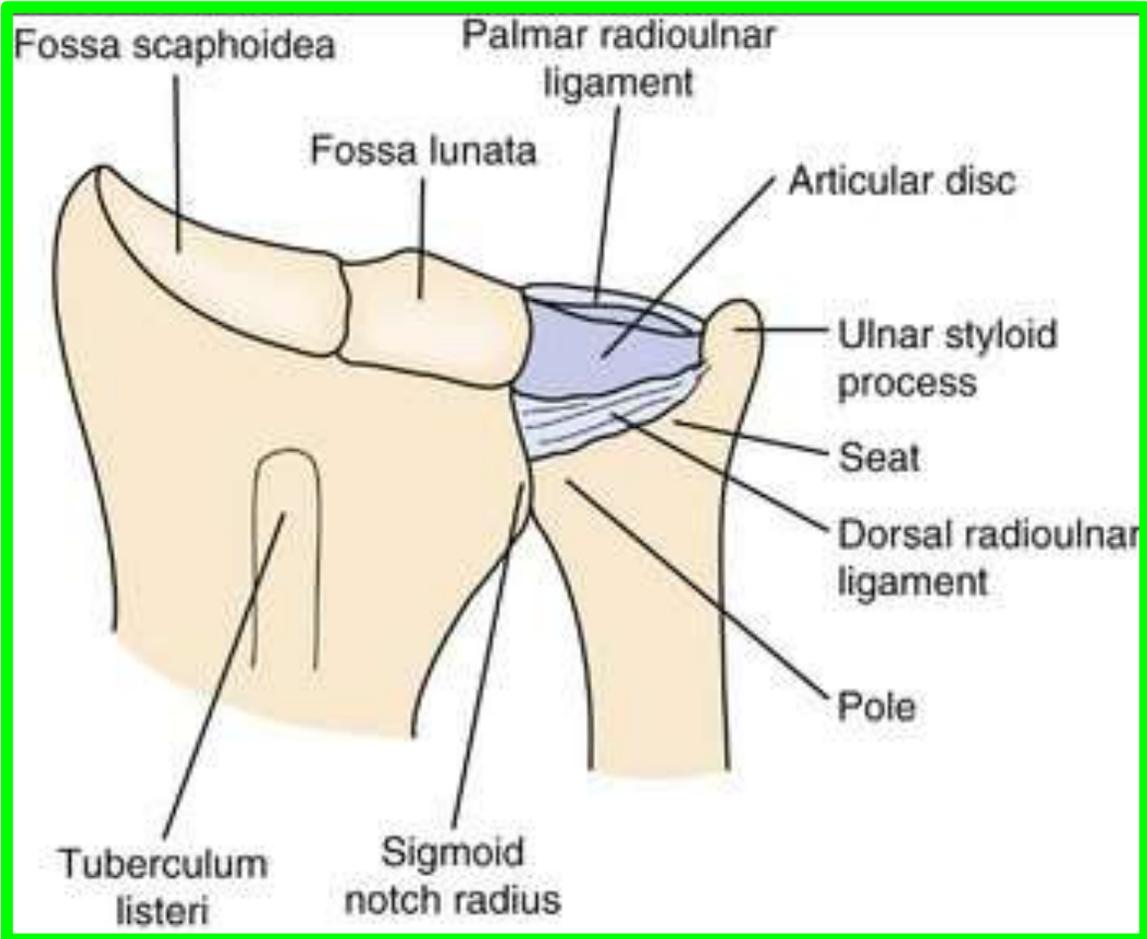


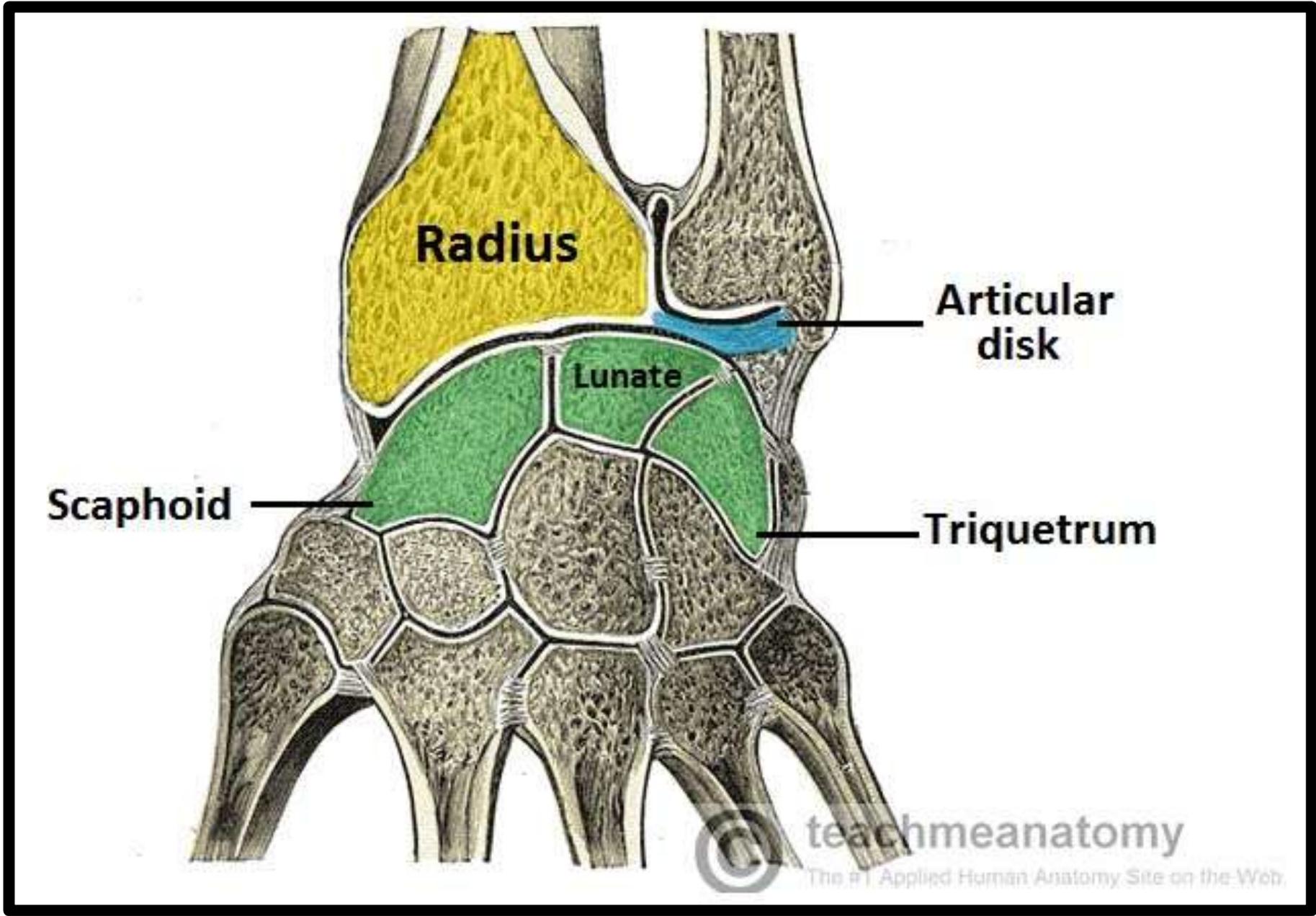
(D) Anterior views

Distal Radioulnar Joint



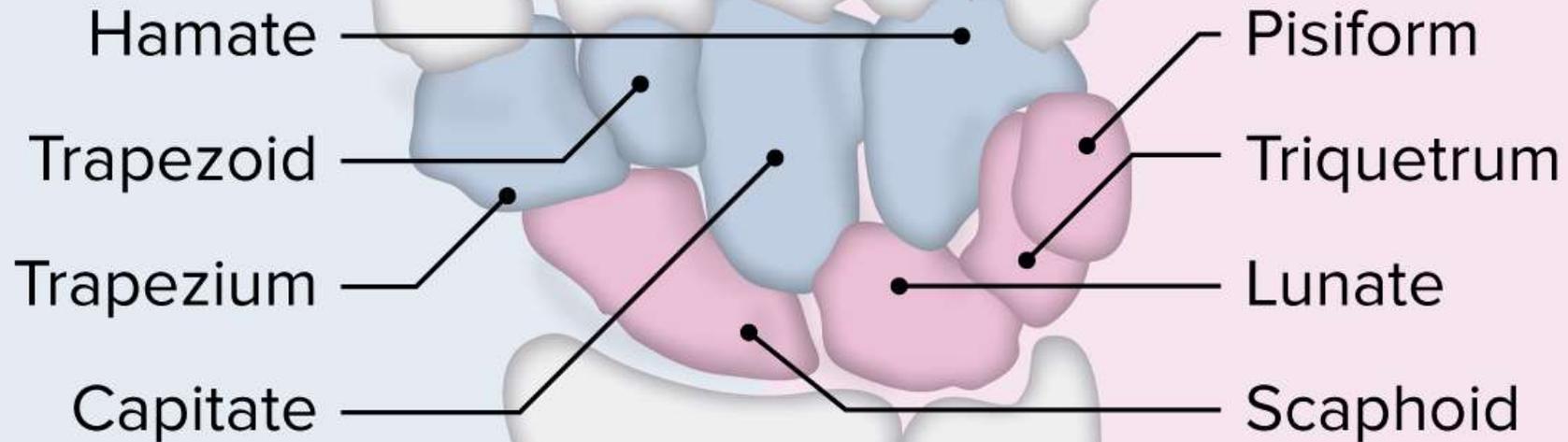
Distal Radioulnar Joint





**Distal row of
the carpal bones**

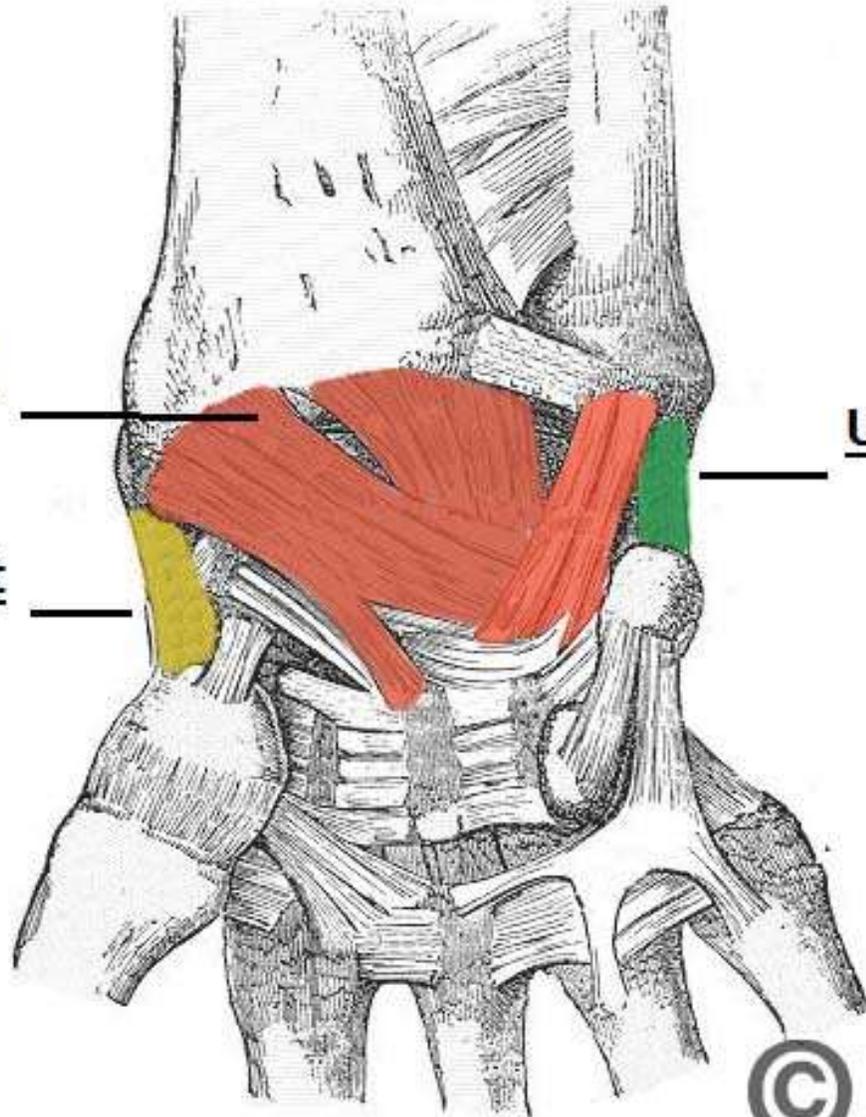
**Proximal row of
the carpal bones**



Palmar Radiocarpal Ligament

Radial Collateral Ligament

(Runs from the radius to the scaphoid and trapezium)



Ulnar Collateral Ligament

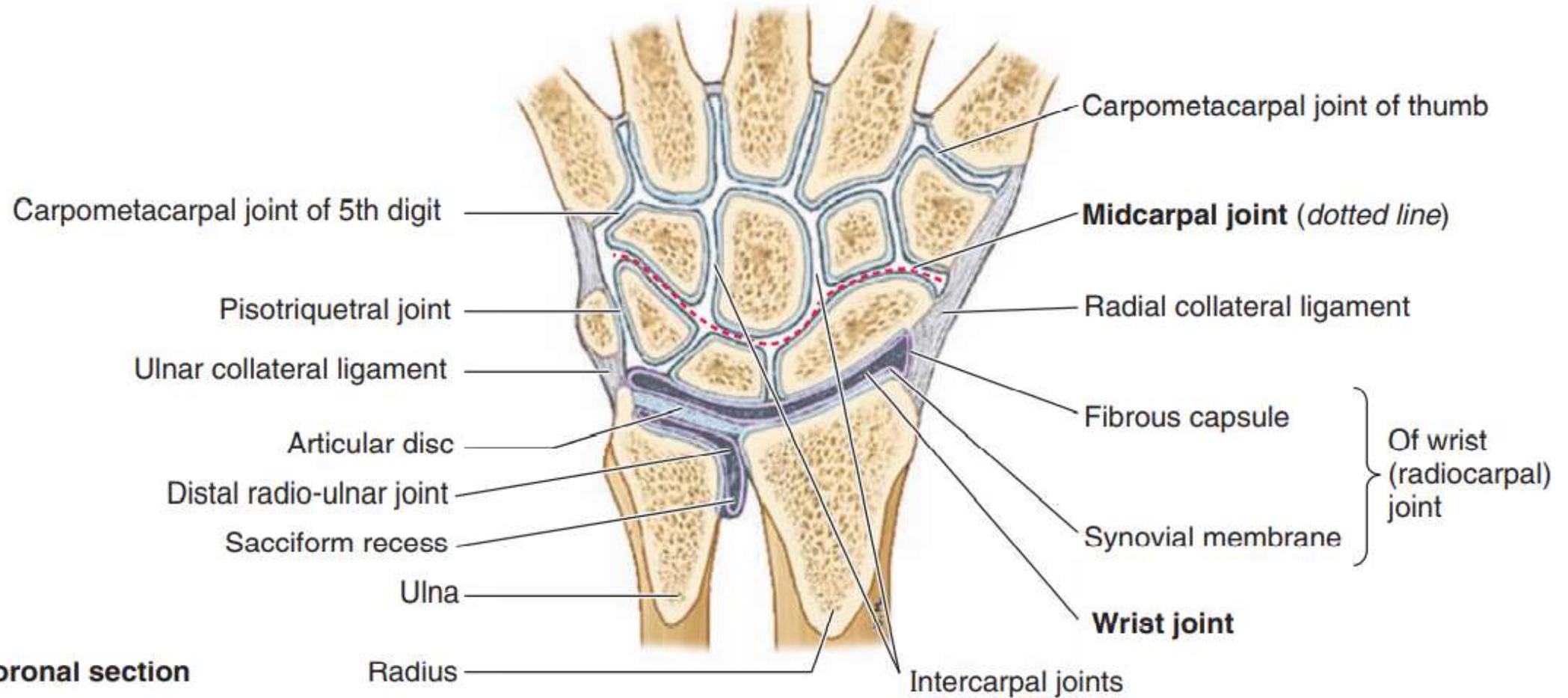
(Runs from the ulna to the triquetrum and pisiform)



teachmeanatomy

The #1 Applied Human Anatomy Site on the Web.



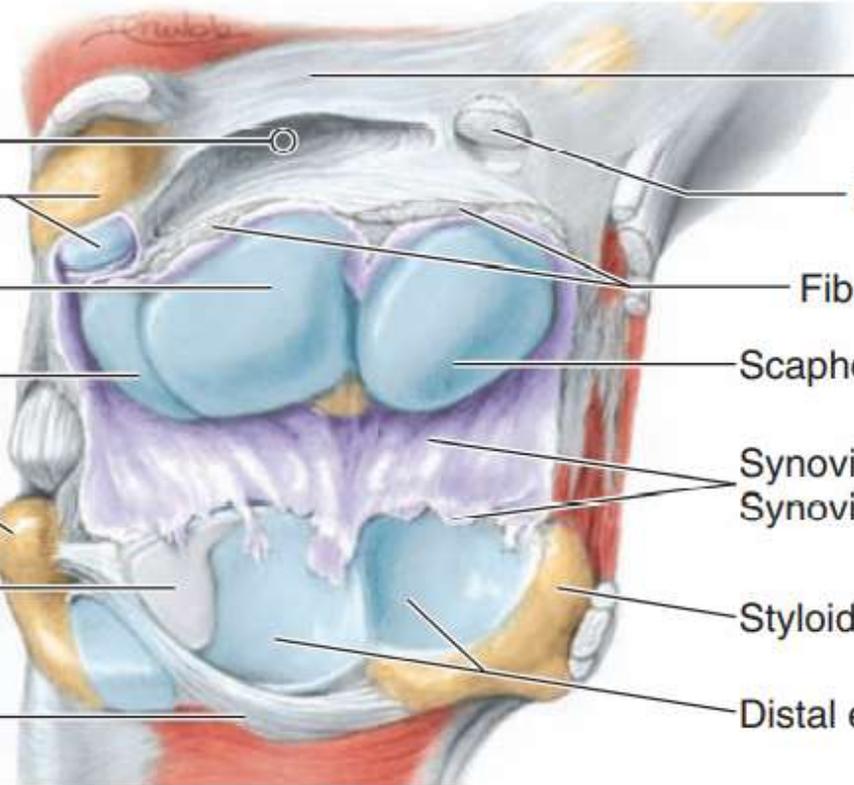


(C) Coronal section

MEDIAL (ulnar)

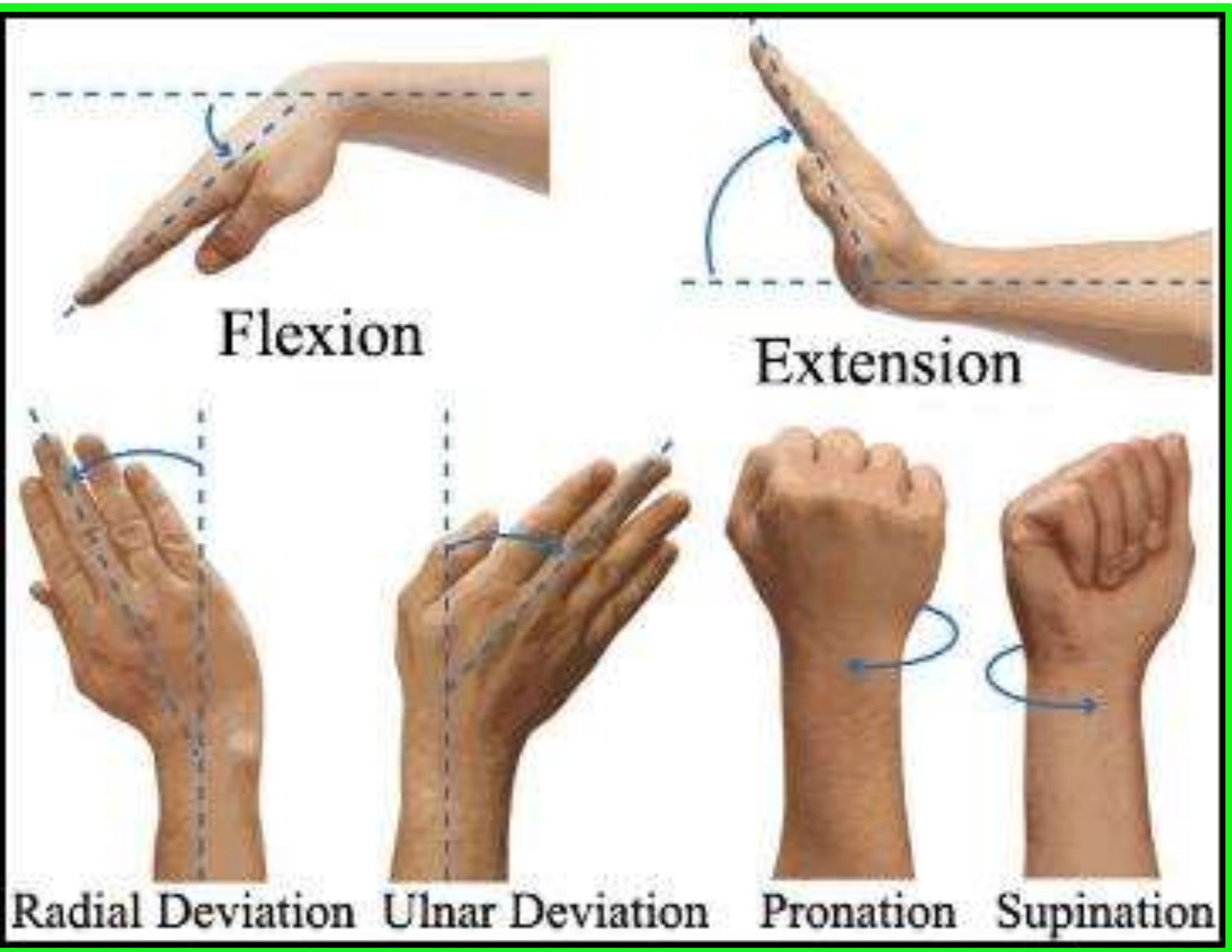
LATERAL (radial)

Carpal tunnel
Pisiform
Lunate
Triquetrum
Styloid process of ulna
Articular disc of distal radio-ulnar joint
Ligamentous anterior border of articular disc



Flexor retinaculum (Transverse carpal ligament)
Flexor carpi radialis
Fibrous layer of joint capsule
Scaphoid
Synovial membrane
Synovial fold
Covering dorsal radiocarpal ligaments
Styloid process of radius
Distal end of radius

(D) Anterior view



Flexion

Extension

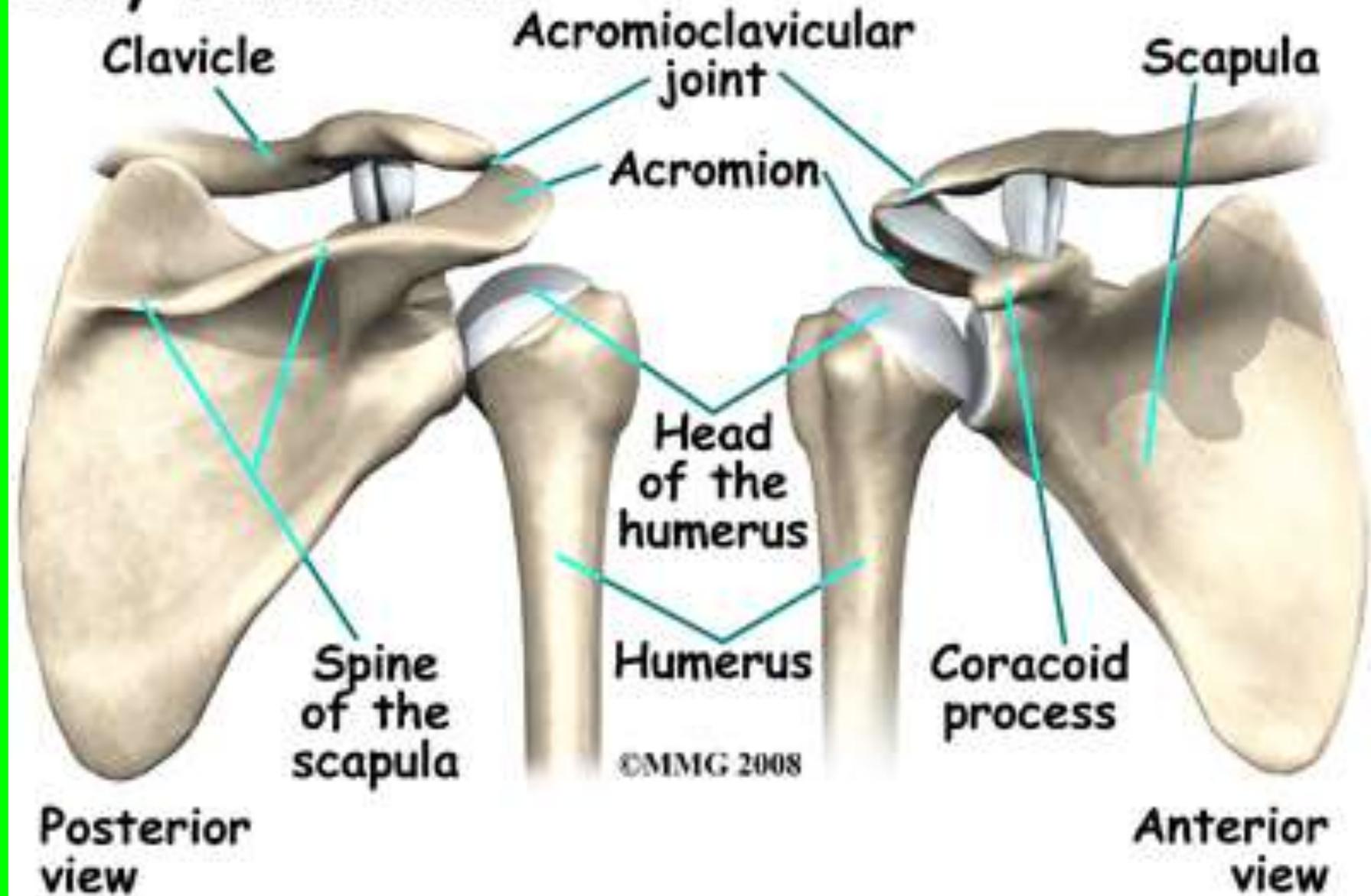
Radial Deviation

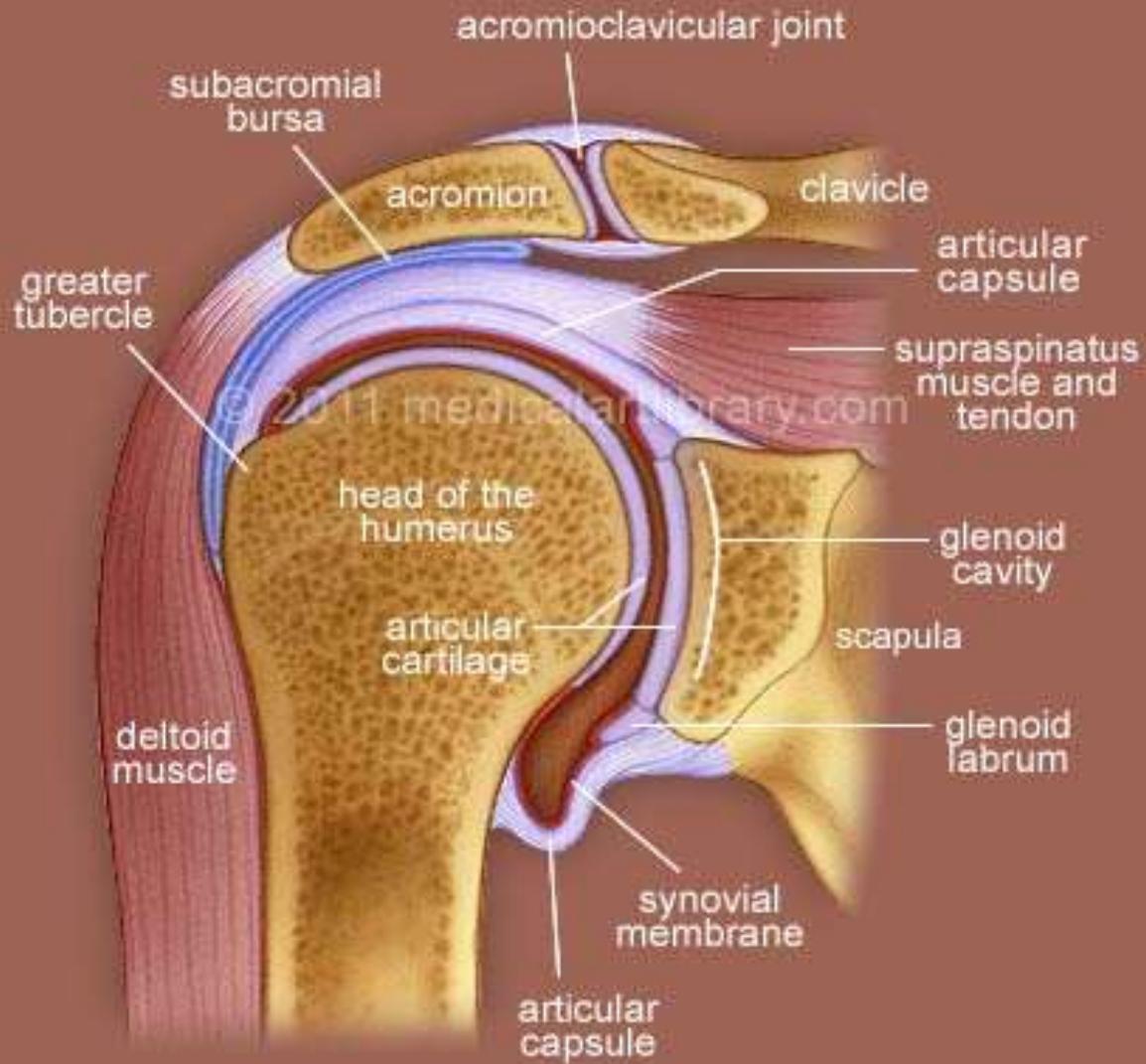
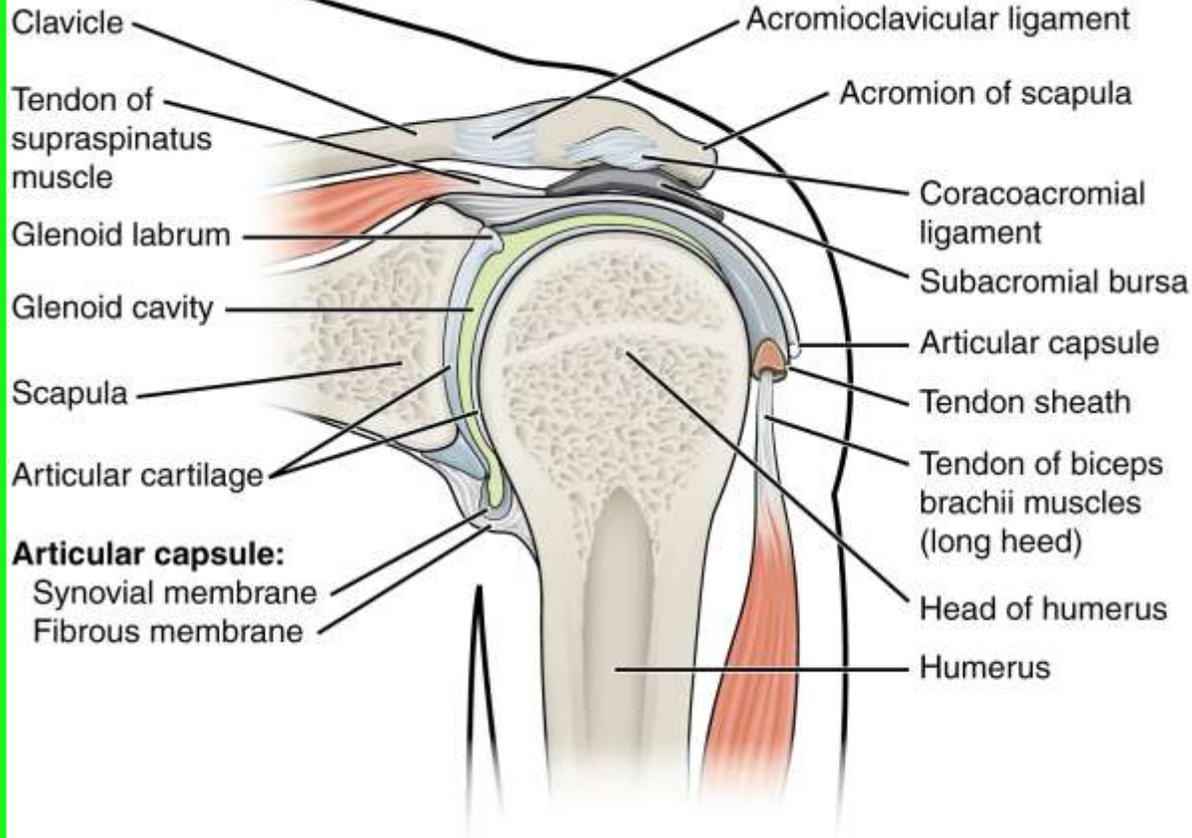
Ulnar Deviation

Pronation

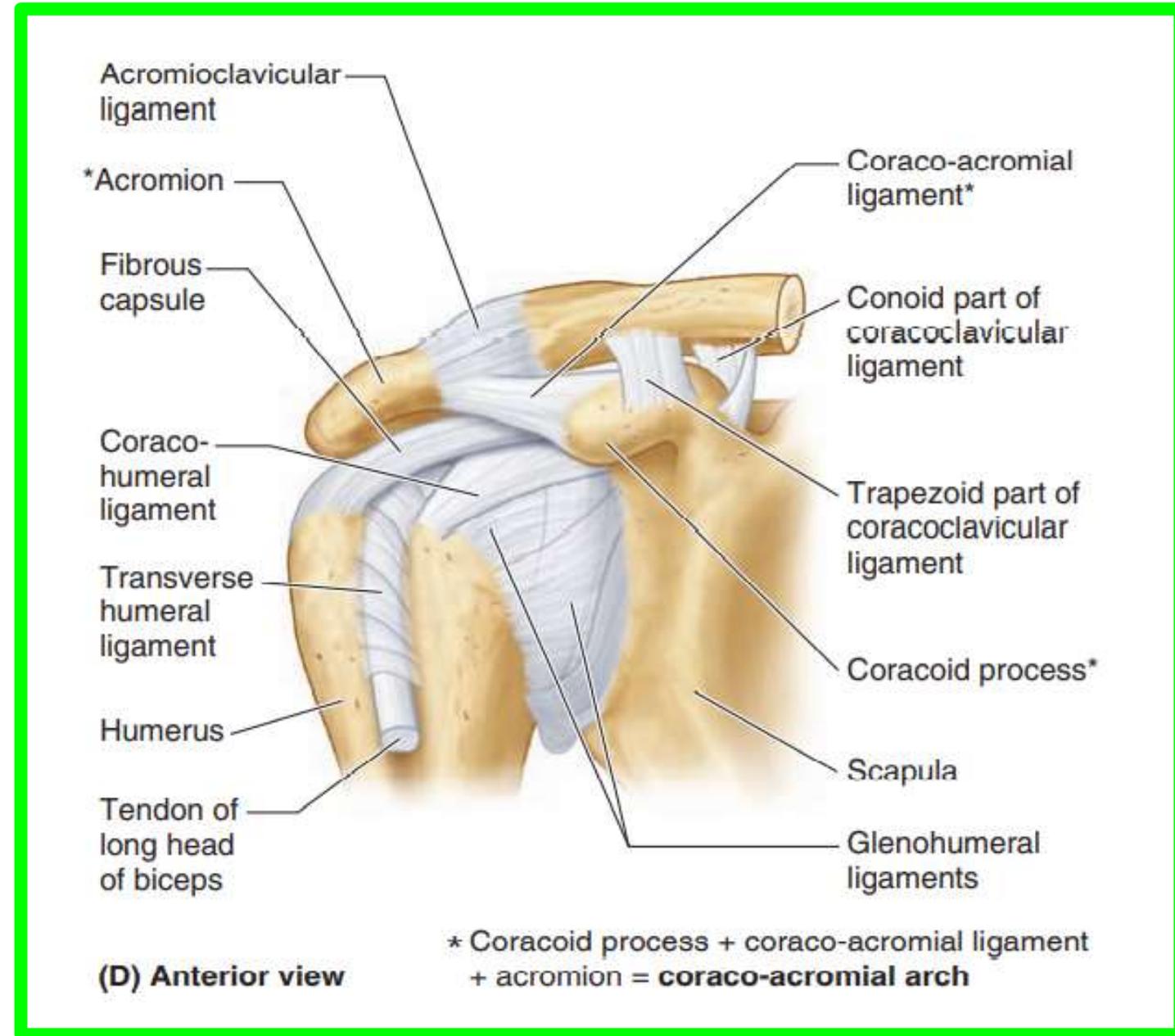
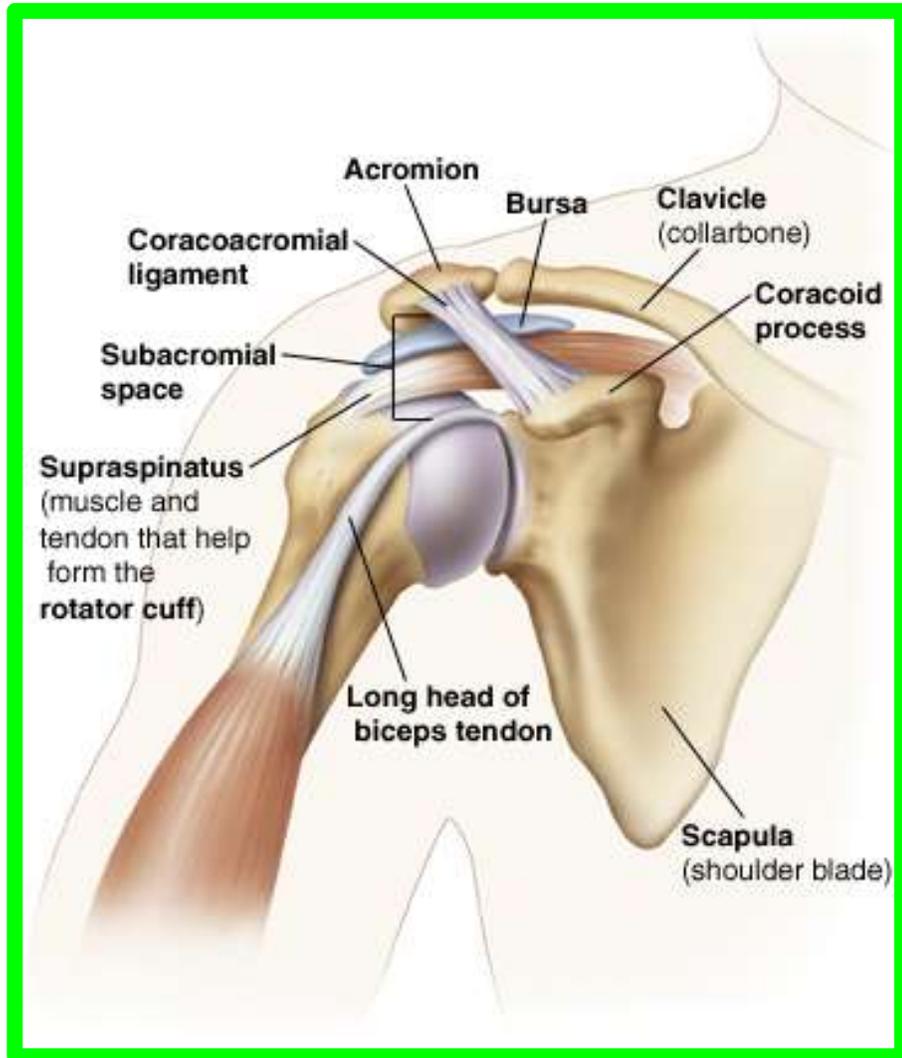
Supination

Bony Landmarks

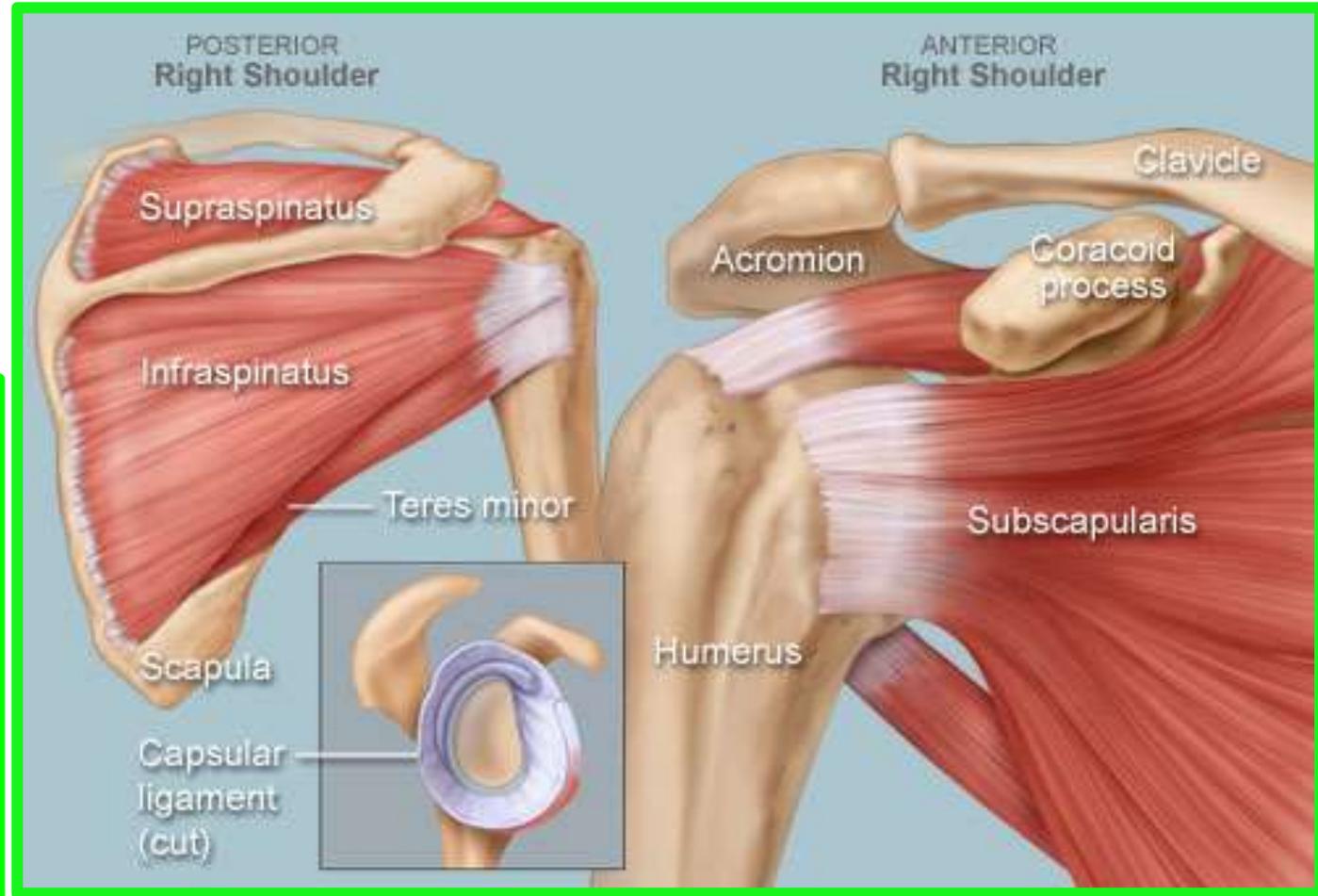
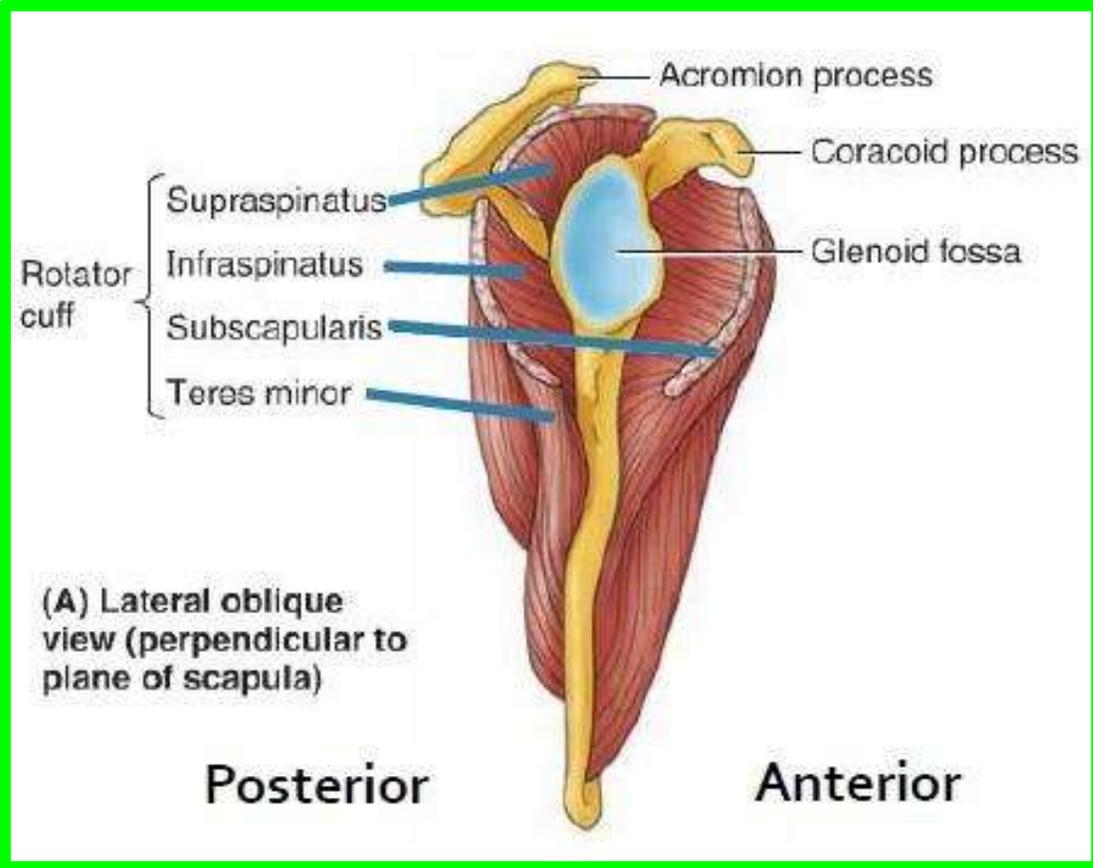


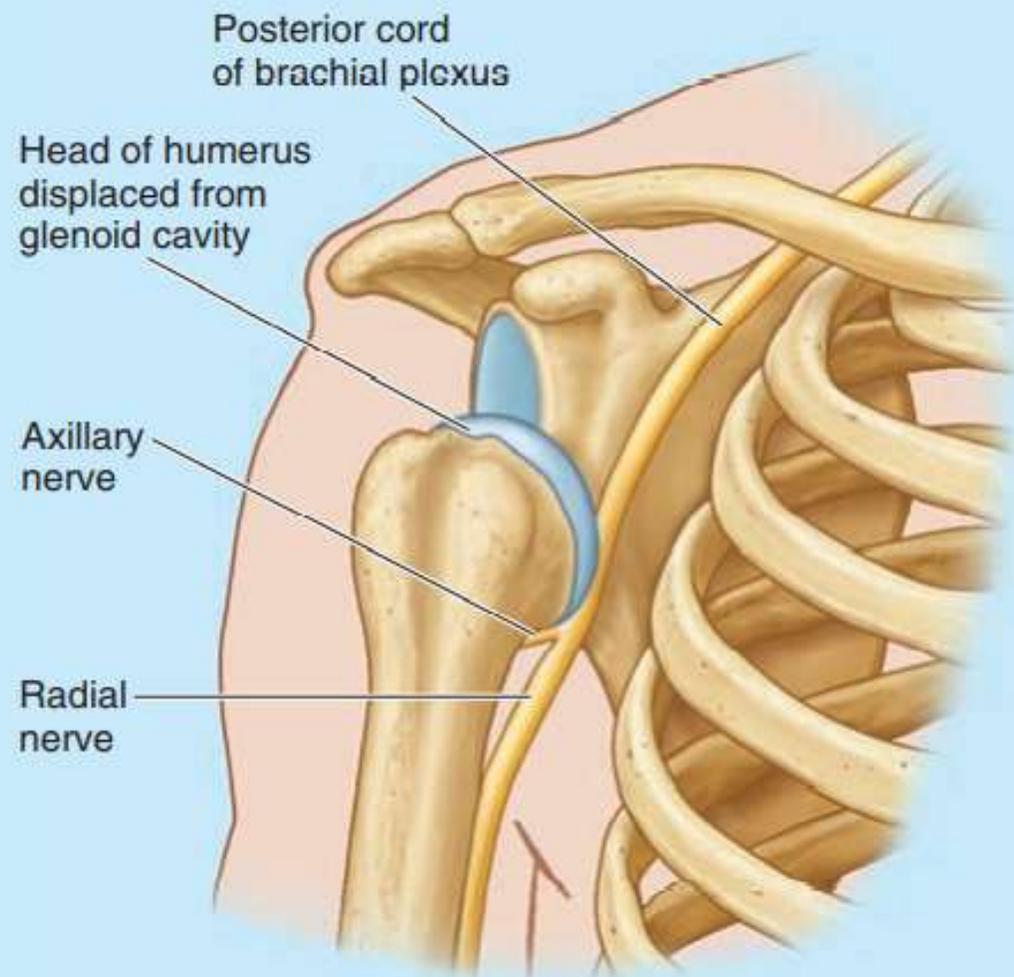


The transverse humeral ligament
The coracohumeral ligament
The glenohumeral ligaments
The coracoacromial ligament

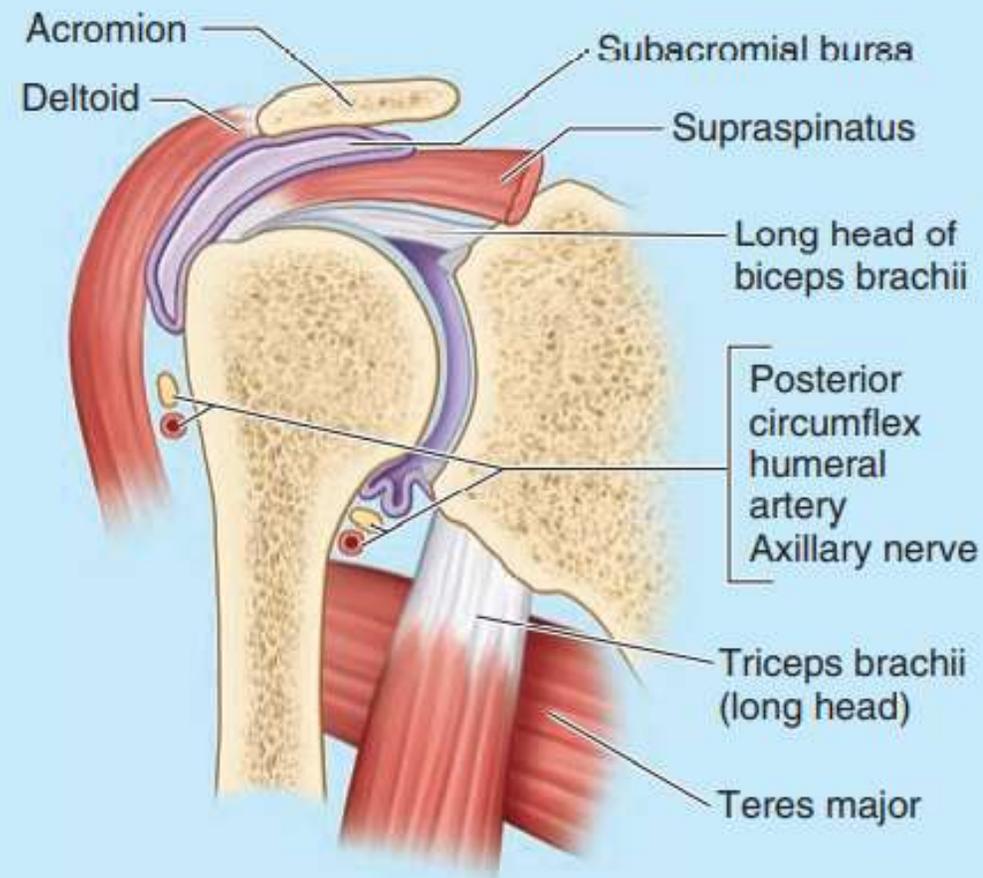


The rotator cuff muscles





(A) Anterior dislocation of right glenohumeral joint



(B) Subacromial bursa

FIGURE B6.20. Dislocation of glenohumeral joint.

