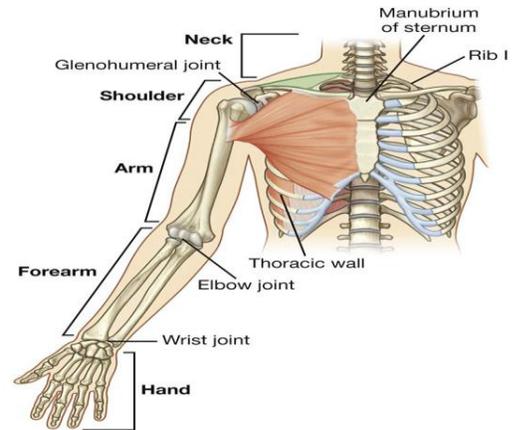


Limbs

☒ Upper Limb

The upper limb consist of :

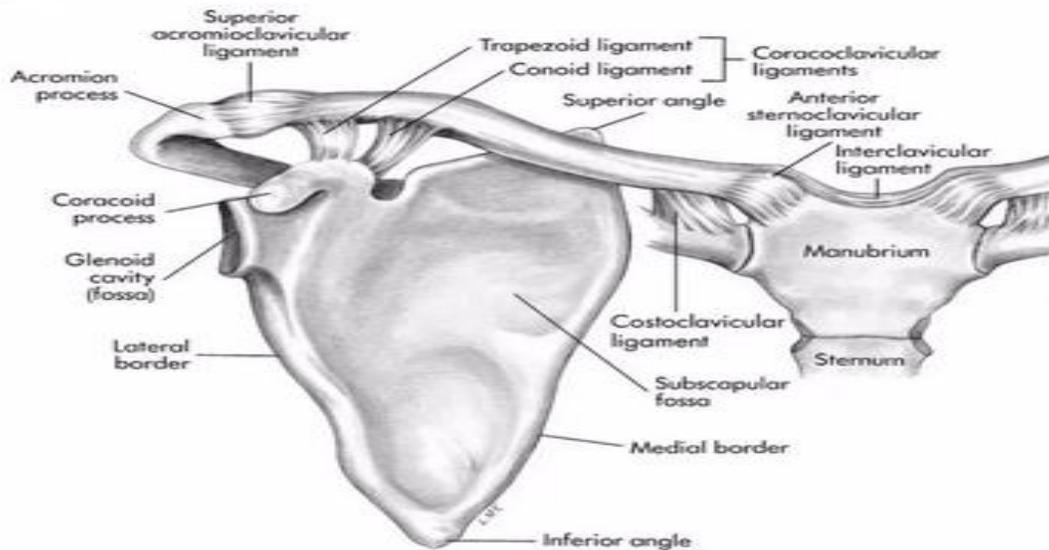
- 1) Shoulder
- 2) Arm (Humerus)
- 3) Forearm
- 4) Hand



Shoulder

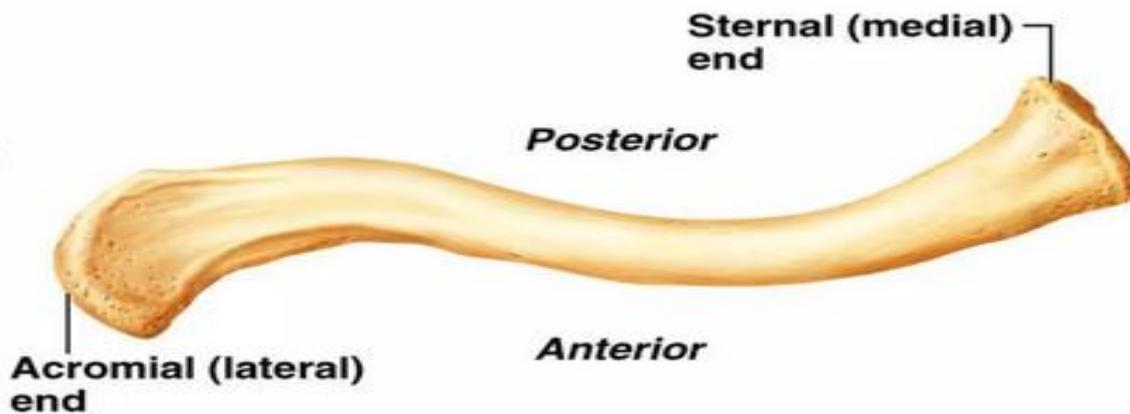
1. The scapula

- 1) two surfaces Anterior Surface and Posterior Surface
- 2) Three Borders: superior, medial (vertebral) & lateral
- 3) Three Angles: superior, lateral and inferior.

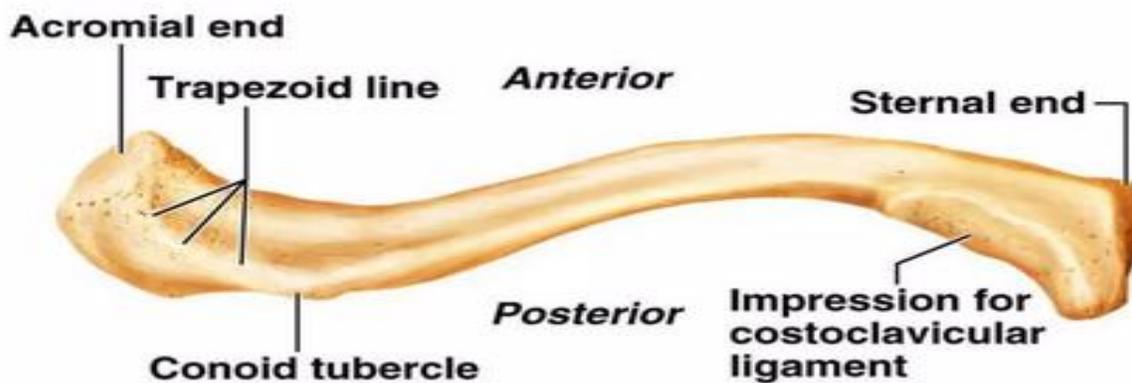


2. The clavicle (collarbone)

- ❖ Location: sits between the shoulder and top of the thorax
- ❖ Sternal end articulates with the manubrium
- ❖ Acromial end articulates with scapula



(b) Right clavicle, superior view



(c) Right clavicle, inferior view

The humerus

- joint with scapula at the shoulder joint
- joint with the radius and ulna at the elbow joint
- It has:

1) Upper end

Head: Smooth & forms 1/3 of a sphere.

Anatomical Neck: Immediately below the head

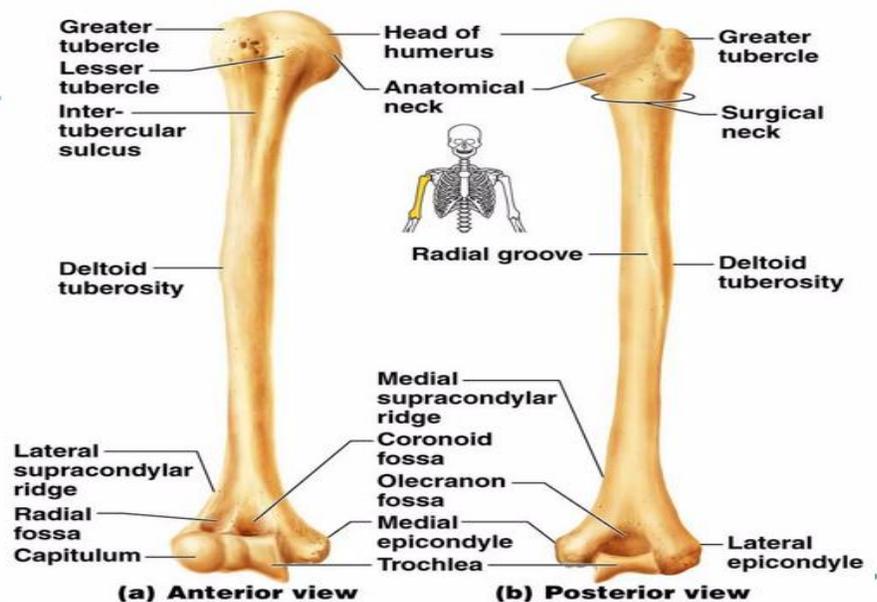
Surgical Neck: between the upper end and the shaft.

2) Lower end

Medial : Trochlea.

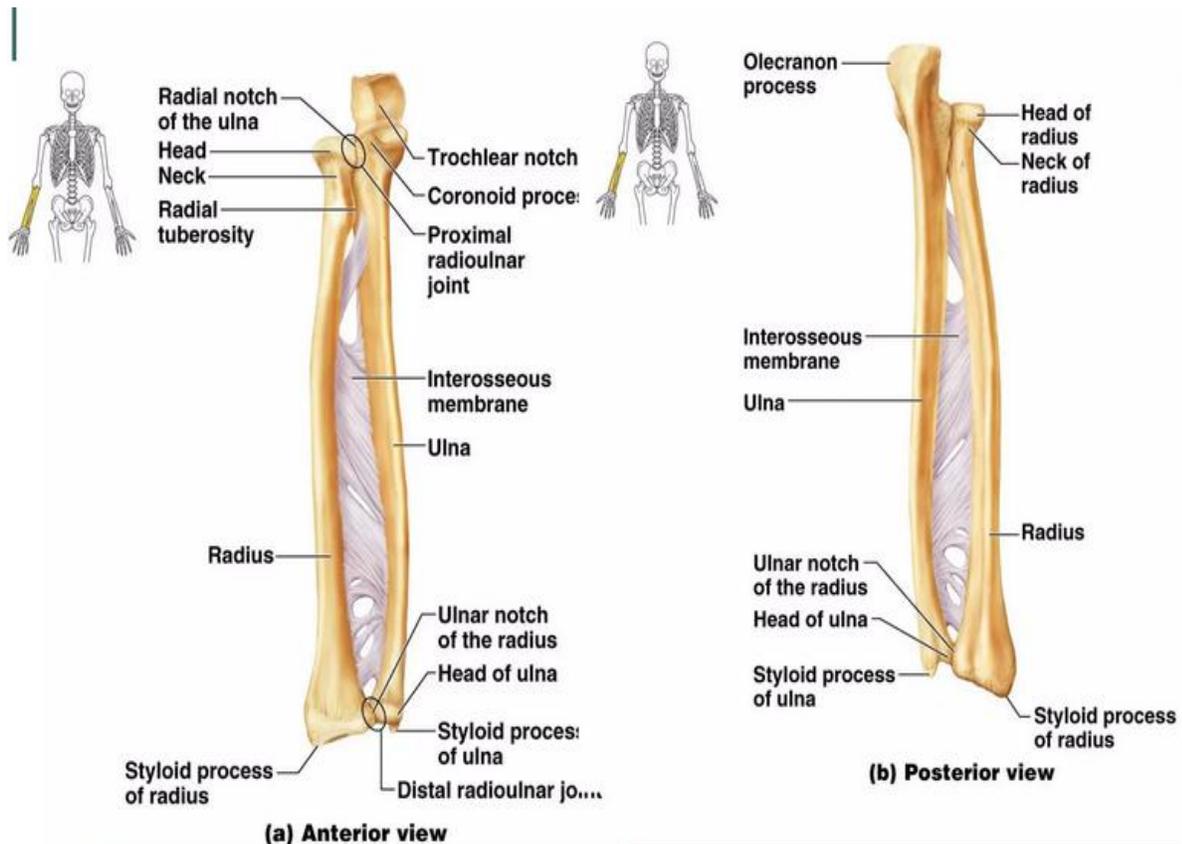
Lateral: Capitulum

Structures of the Right Humerus

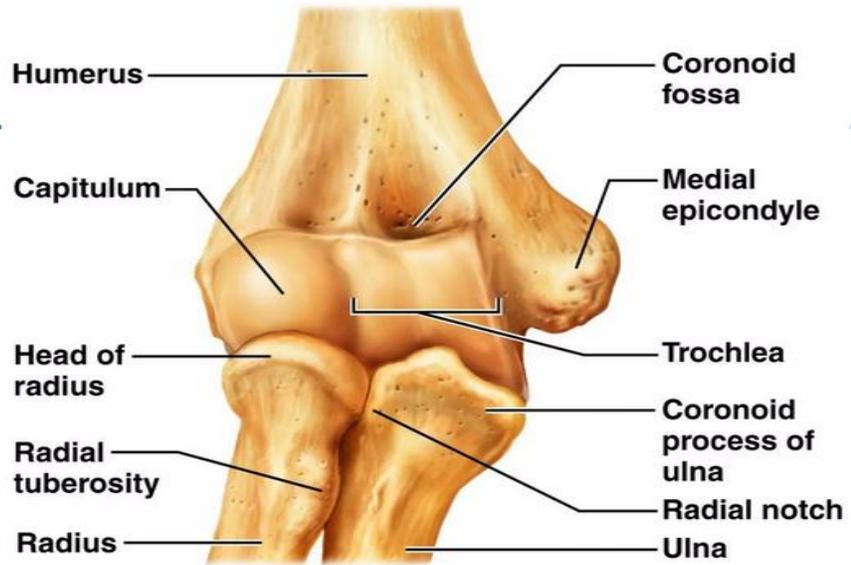


Forearm

- Forearm consist of :
 - 1- Radius
 - 2- Ulna
- joint with the humerus at the elbow joint
- joint with carpals at the wrist joint
- Radius and ulna articulate with each other
 - At the proximal and distal radioulnar joints
- The interosseous membrane
 - Interconnects radius and ulna

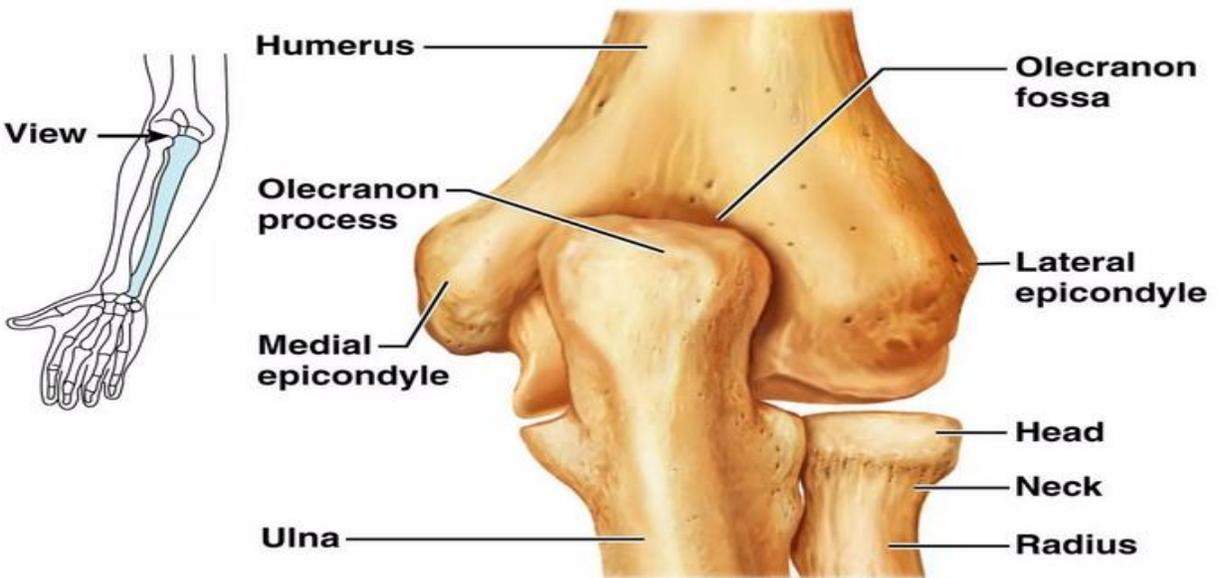


Details of Elbow Joint



(a) Anterior view

Proximal Ends of Radius and Ulna



(c) Posterior view

Hand

The Hand consist of :

1. *carpals* : eight small bones
2. *metacarpals*: five bone
3. *phalanges*

Carpal bones

- Are arranged in two irregular rows
- Proximal row from lateral to medial
 - Scaphoid, lunate, triquetral, and pisiform
- Distal row from lateral to medial
 - Trapezium, trapezoid, capitate, and hamate

