

Anatomy.

3) Humerus :-

* upper end.

* shaft.

* lower end.

رأس العظم العلوي : head

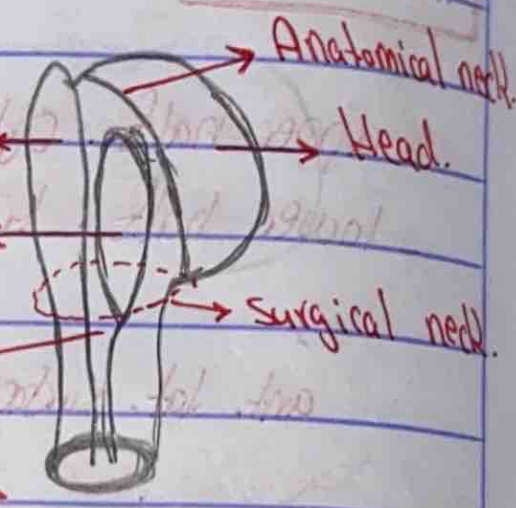
جذع العظم : shaft

رأس العظم السفلي : head

Upper end :-

Greater

Lesser



Bicipital groove.

-(lateral + medial) lips

- Floor in between.

* Head :

* Neck : - Anatomical. wider + connection between head + shaft.

- Surgical. constriction in upper end. liable to fracture

* 2 bony projections: Greater tuberosity. appear ant. + post.

Lesser tuberosity. appear ant.

* Bicipital groove. in between the 2 tuberosities.

→ has 3 parts. lateral lip. Pectoralis major muscle

medial lip. Teres major muscle.

Floor. Latissimus dorsi muscle.

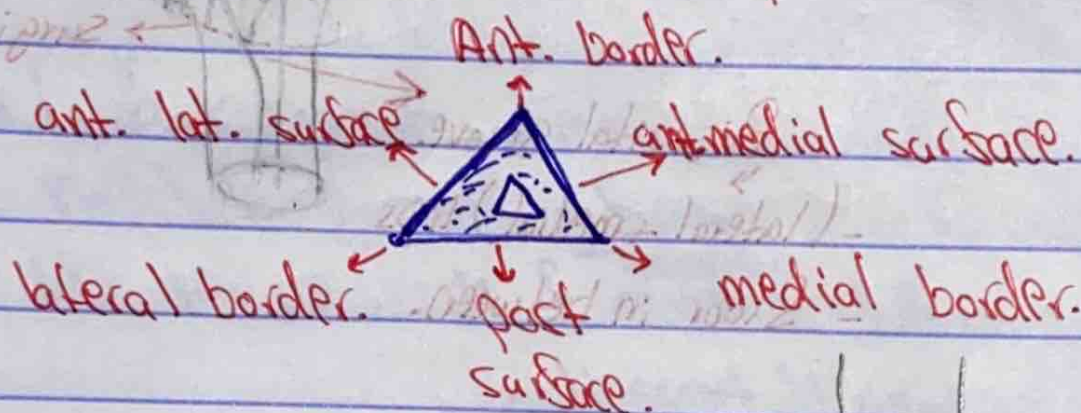
appear just in ant. view.

** Shaft :

يقسم إلى قسمين :

- upper half. cylindrical rounded in shape.

- lower half. triangular in shape.



- lower part of shaft has:

1- medial supracondylar ridge.

2- lateral supracondylar ridge.

②

①

- Middle part of shaft has:

1- post. → spiral groove. called radial groove. → Cuz of

2- lateral. → deltoid tuberosity.

radial nerve.

*** Lower end: 9612 944 to 10100 21196 I *

Ant. view: 2 Fossae. + Capitulum + Trochlea.

Post. view: 1 large Fossa. + Trochlea.

* Divided to 2 parts: -

1) Articular part.

Trochlea + Capitulum.

2) Non articular part.

3 Fossae + 2 Bony projections.

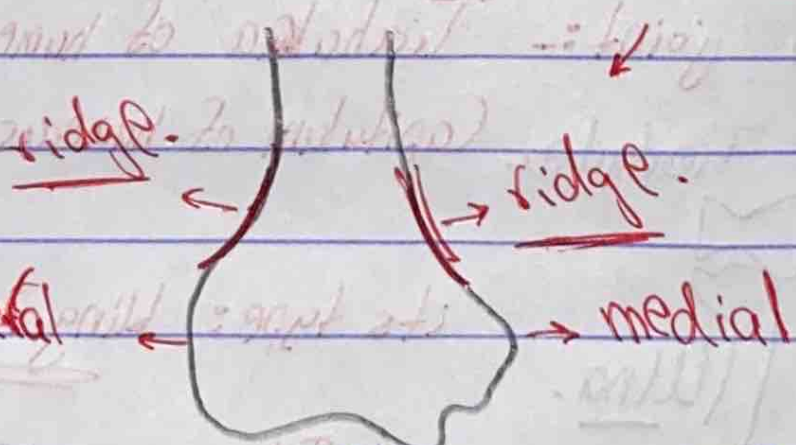
Ant. → Coronoid Fossa. medial

→ Radial Fossa. lateral

Post. → Olecranon Fossa. very large Fossa.

→ medial epicondyle.

→ lateral epicondyle.



* Identification of the side: *

→ Head → upwards + medially.
 → Lesser tuberosity → Anteriorly. Upper end

OR

→ Olecranon fossa → Posteriorly. Lower end

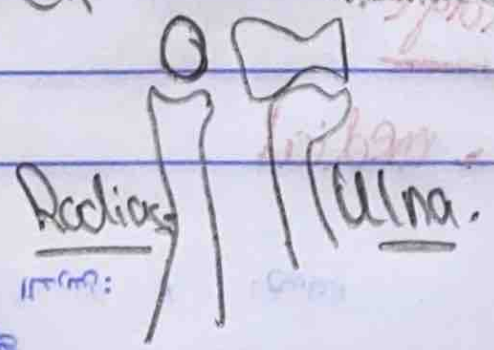
* muscular attachment.

* Articulation.

1) Shoulder joint: Glenoid cavity (scapula) + Head of humerus.

2) Elbow joint: Trochlea of humerus + notch of ulna.

Capitulum. Trochlea. Capitulum of humerus + head of radius.



its type: hinge synovial joint.

Flexion + Extension.

* ligaments:

1] Transverse humeral ligament.

Between greater + lesser tuberosities.

the tendon: long head of biceps:  is seen.

2] Coracohumeral ligament.

Between base of coracoid process + greater tuberosity.

3] Glenohumeral ligaments = 3 ligaments.

→ as thickening of the capsule of the joint.

Help in stability of the shoulder.

4] Ulnar collateral ligament. medially

5] ~~medial~~ Radial collateral ligament. laterally.

