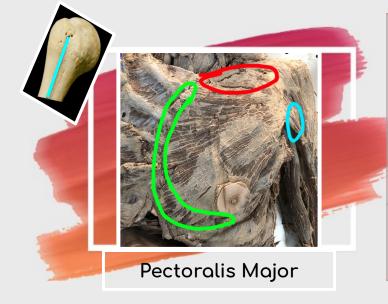


Pectoral region

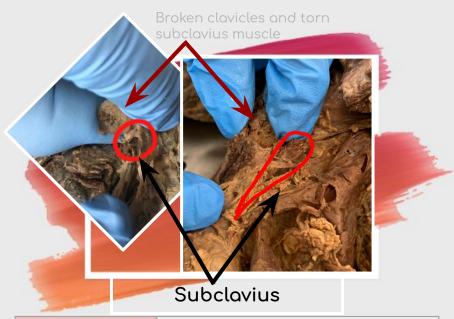


Origin	clavicular head: medial ½ of the front of clavicle. Sternocostal head: lateral border of sternum, upper 6 costal cartilages & aponeurosis of the external oblique muscle	
Insertion	Lateral lip of bicipital groove of humerus	
Nerve supply	<u>Lateral</u> & <u>Medial</u> pectoral nerves	
Action	Adduction + medial rotation of arm.Clavicular head helps in flexion of arm (shoulder)	

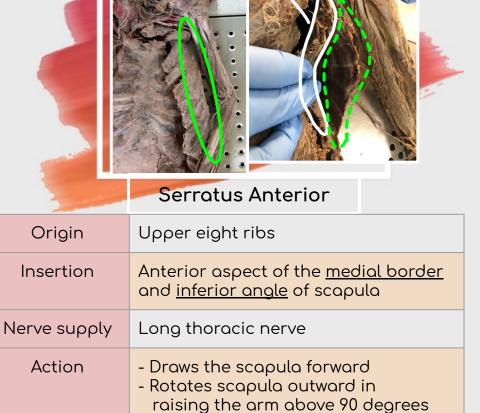
Origin	Ribs 3, 4, 5 close to their costal cartilages
Insertion	
Nerve supply	Medial pectoral nerve
Action	- Depression of the shoulder - Drawing the ribs upwards & outwards during deep inspiration.



Pectoralis Minor



Origin	Junction of 1st rib with its costal cartilage
Insertion	Subclavian groove at middle 1/3 of inferior surface of clavicle
Nerve supply	Nerve to subclavius
Action	Fixes the clavicle during movement of shoulder joint



Shoulderregion

Teres minor below the infraspinatus + the long head of triceps is between teres minor and major







	Deltoid
Origin	Lateral 1/3 of clavicle , acromion & spine of scapula
Insertion	Deltoid tuberosity of the humerus
Nerve supply	Axillary nerve
Action	Anterior fibers: medial rotation & flexion Middle fibers: Abduction (15-90) Posterior fibers: lateral rotation, extension All these actions of humerus

	Teres minor	Teres major
Origin	The lateral (Axillary) border of scapula	
Insertion	Greater tubercle of the humerus	Medial lip of bicipital groove of humerus
Nerve supply	Axillary nerve	Lower supscalper nerve
Action	Lateral rotation of humerus	medial rotation ,extension, adduction of humerus

كلهم لاصقين على العظم نفسه





Subscapularis		
Origin Subscapular fossa of the scapula		
Insertion	Lesser tubercle of the humors	
Nerve supply	Lower and upper <u>subscapular nerve</u>	
Action Medial rotation		

	Supraspinatus	infraspinatus	
Origin	Supraspinous fossa of the scapula	Infraspinous fossa of the scapula	
Insertion	Greater tubercle of the humors		
Nerve supply	Suprascapular nerve		
Action	Abduction (0-15) of humerus	Lateral rotation of humerus	

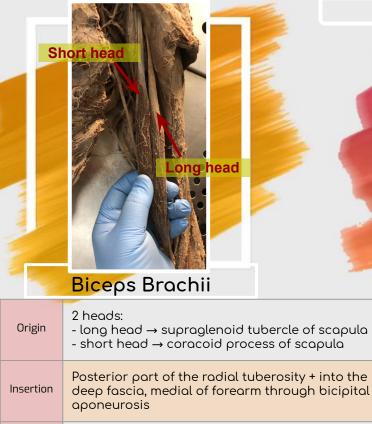
Identify this part of bone, and what is the muscle attached to?







Muscles of the arm



Anterior of Arm

Coracobrachialis

Tip of coracoid process of scapula Origin

Insertion

Front of the lower half of humerus Anterior surface of

Posterior part of the radial tuberosity + into the

Middle of the medial Insertion side of humerus shoft

coronoid process of ulna

Brachialis

Nerve Musculocutaneous nerve supply

nerve Action

Origin

Nerve supply

Nerve supply Musculocutaneous & Radial nerves

- Strong supinator of forearm - Powerful flexor of elbow

Action

- Weak flexor of shoulder

- Flexor of shoulder - Weak adductor of arm

musculocutaneous

Action

Strong flexor of the forearm

Posterior of Arm



Triceps Brachii

supraglenoid= long head of biceps nfraglenoid= long head of triceps

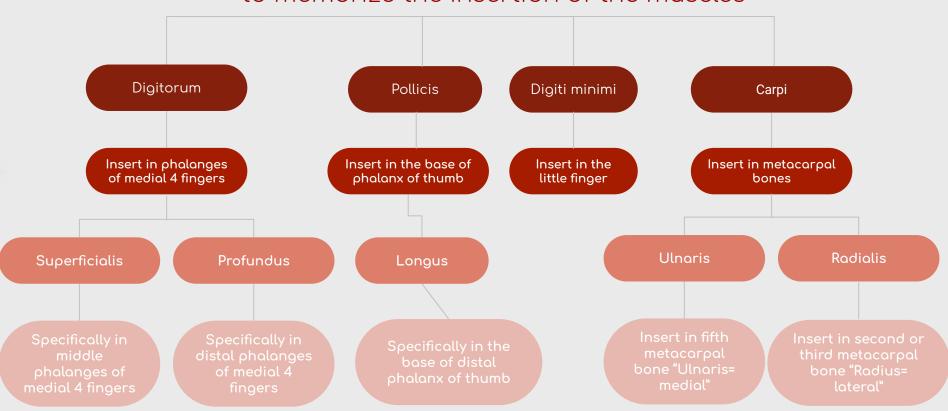
Origin	3 heads: Long head → infraglenoid tubercle of scapula Lateral head → posterior upper half of humerus shaft (above spiral groove) Medial head → posterior lower half of humerus shaft (below spiral groove)
Insertion	upper surface of the olecranon process of ulna
Nerve supply	Radial nerve
Action	Strong extensor of the elbow joint

The spiral groove separates the humerus to two halves: above "Lateral head", Below "Medial head"

Muscles of the forearm

Notes

to memorize the insertion of the muscles



Muscles of the Forearm (flexors)

	Pronator Teres	Flexor carpi radialis	Palmaris longus	Flexor carpi ulnaris
Origin			on flexor origin nedial epicondyle)	Important
Insertion	Middle of lateral surface of radius	Base of 2nd metacarpal bone	Flexor retinaculum and palmar aponeurosis	Pisiform, hook of hamate & base of 5th metacarpal
Nerve supply		Median nerve		<u>Ulnar nerve</u>
Action	Pronation & flexion of forearm	Flexion & abduction of wrist	Flexes hand (wrist) & tightens the palmar aponeurosis	Flexion and adduction of the hand (wrist)
	ما راح توصل اللهائد عشان تقدر تسوي الـ pronation			*Flexor carpi ulnaris has two heads one is at common flexor origin, the second is at the olecranon process



Muscles of the Forearm (flexors)



راح تكون تحت الأربعة عضلات اللي انذكرت في السلايد اللي فات

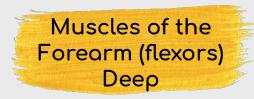


Flexor digitorum superficialis

Origin	Multiple heads originating from common flexor origin, coronoid process of ulna and anterior surface of radius
Insertion	Base of middle phalanges of the medial 4 fingers
Nerve supply	Median nerve
Action	- Flexes middle & proximal phalanges of medial 4 fingers Flexion of hand (wrist)

Flexor digitorum profundus (deep)

Origin	In Front of ulna
Insertion	Bases of distal phalanges of medial four digits
Nerve supply	Anterior interosseous Nerve (branch of the median nerve), <u>medial half is supplied by the ulnar nerve</u>
Action	Flexes distal phalanges of medial four digits





Flexor pollicis longus		
Origin	In Front of radius	
Insertion	Base of distal phalanx of thumb	
Nerve supply	anterior interosseous nerve (branch of the median nerve)	
Action	Flexes all joints of thumb	

Pronator quadratus		
Origin	In Front of lower ¼ of ulna	
Insertion	Distal ¼ of anterior surface of radius	
Nerve supply	anterior interosseous nerve (branch of the median nerve)	
Action	- Pronator of forearm (primover) - Holds the 2 bones together	



Laterally to Radial nerve

Muscles of the Forearm (Extensors)

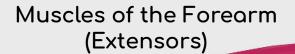
Brachioradialis		
Origin	Lateral supracondylar ridge of humors	
Insertion	base of styloid process of radius	
Nerve supply	radial nerve	
Action	flexion of forearm and midpron position	
Extensor curbi radialis longus		
Origin	Lateral supracondylar ridge of humors	
Insertion	base 2 metacarpal	
Nerve supply	radial nerve	
Action	Extends and abducts hand at wrist joint	



Extensor carpi radialis brevis:
Insertion : Base of 3rd base

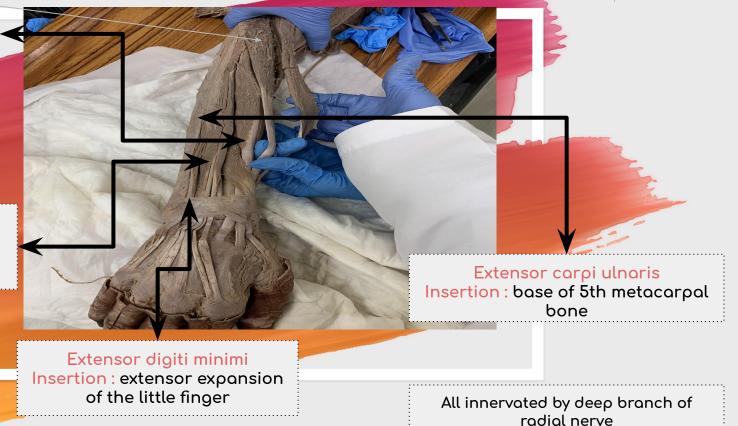
of metacarpal bone

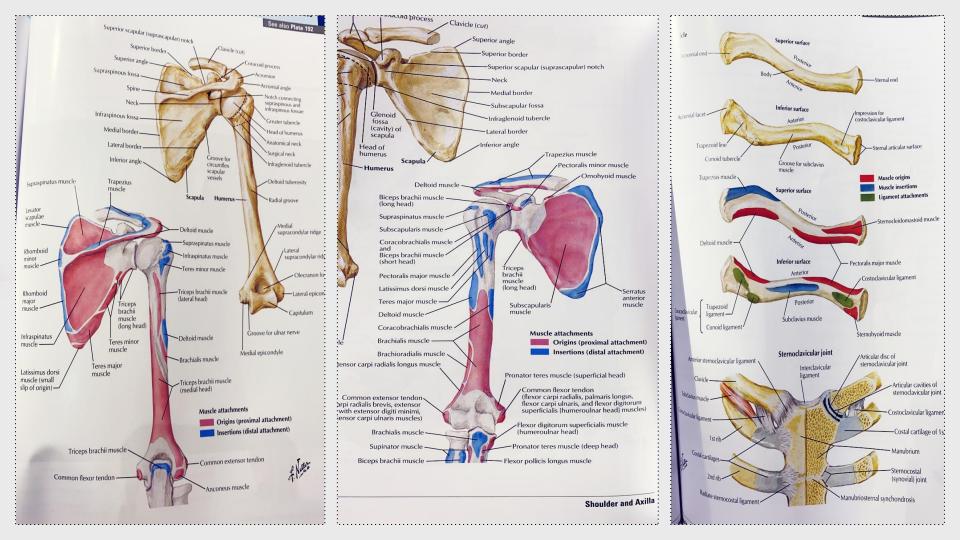
Extensor digitorum Insertion : extensor expansion of the medial 4 fingers



All arises from the common extensor origin (front of lateral epicondyle of the humerus)

(Posterior interosseous)





Don't stop until you are proud.

Team Members:

- Duaa Alhumoudi
- Mona Alomiriny
- Rania Almutiri
- Taif Almotiri
- Nourah Alklaib
- Arwa Alqahtani
- Norah Alasheikh
- Sara Alharbi
- --- Najd Alzahrani

- Mishal Althunayan
- Omar alhalabi
- Khalid Alosaimii
- Hadi Alhemsi
- Nasser Alohali

Team Leaders:

- Renad Alhomaidi
- Bassam Alasmari

