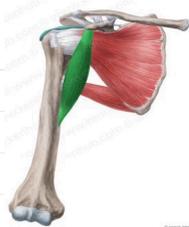


File 4

Compartment	Muscles	Nerve	Function
Anterior (Flexor)	Coracobrachialis, Biceps brachii, Brachialis	Musculocutaneous nerve	Flexion
Posterior (Extensor)	Triceps brachii	Radial nerve	Extension

1 Coracobrachialis

Item	Detail
Origin	Coracoid process of scapula
Insertion	Middle of medial border of humerus
Nerve Supply	Musculocutaneous nerve
Action	Flexion of the arm



2 Biceps Brachii

Item	Detail
Origin (Long head)	Supraglenoid tubercle
Origin (Short head)	Coracoid process
Insertion	Radial tuberosity
Nerve Supply	Musculocutaneous nerve
Main Actions	1- Flexion of arm 2- Flexion of elbow 3- Supination of forearm



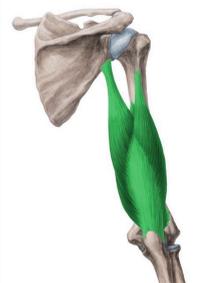
3 Brachialis

Item	Detail
Origin	Lower half of anterior humerus
Insertion	Coronoid process & ulnar tuberosity
Nerve Supply	Musculocutaneous nerve (main) + Radial nerve (lateral part)
Action	Main flexor of forearm



4 Triceps Brachii

Item	Detail
Origin (Long head)	Infraglenoid tubercle of scapula
Origin (Medial head)	Posterior humerus
Origin (Lateral head)	Posterior humerus
Insertion	Olecranon process of ulna
Nerve Supply	Radial nerve
Action	Main extensor of forearm



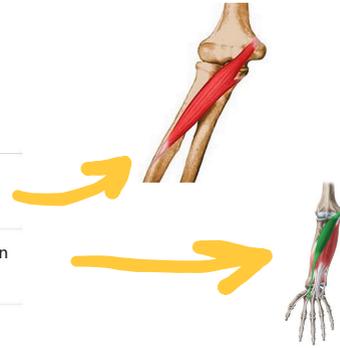
Muscle	Nerve	Primary Action
Coracobrachialis	Musculocutaneous	Arm flexion
Biceps brachii	Musculocutaneous	Flexion + Supination
Brachialis	Musculocutaneous	Strong elbow flexor
Triceps brachii	Radial nerve	Extension of forearm

File 5

Superficial Group: أولاً ●

(Common Flexor Origin كلهم من ال)

Muscle	Origin	Insertion	Nerve	Action
Pronator teres	Common flexor origin + Coronoid process of ulna	Lateral surface of radius	Median nerve	Pronation + يساعد في flexion of elbow
Flexor carpi radialis	Common flexor origin	Base of 2nd & 3rd metacarpals	Median nerve	Wrist flexion + Abduction of hand
Palmaris longus	Common flexor origin	Palmar aponeurosis	Median nerve	Wrist flexion + Tenses palmar fascia
Flexor carpi ulnaris	Common flexor origin + Olecranon (ulna)	Pisiform + base of 5th metacarpal	Ulnar nerve	Wrist flexion + Adduction of hand



Intermediate Group: ثانياً ●

Muscle	Origin	Insertion	Nerve	Action
Flexor digitorum superficialis (FDS)	Common flexor origin + Coronoid process + Anterior radius	Middle phalanx of medial 4 fingers	Median nerve	Flexion of wrist + MCP + PIP joints (medial 4 fingers)



Deep Group: ثالثاً ●

Muscle	Origin	Insertion	Nerve	Action
Flexor digitorum profundus (FDP)	Anterior surface of ulna	Distal phalanges of medial 4 fingers	Medial half: Ulnar nerve Lateral half: Anterior interosseous (Median)	Flexion of DIP + assists wrist flexion
Flexor pollicis longus (FPL)	Anterior surface of radius	Distal phalanx of thumb	Anterior interosseous (Median)	Flexion of thumb (IP & MCP) + assists wrist flexion
Pronator quadratus	Anterior surface of ulna	Anterior surface of radius	Anterior interosseous (Median)	Main pronator of forearm