

Muscles of the upper extremity

Musculi humeri

Musculus subscapularis

ORIGIN: facies costalis
scapulae (fossa
subscapularis)

INSERTION:
tuberculum minus
humeri

INNERVATION: n.
subscapularis

FUNCTION: humeral
pronation, adduction

Musculus supraspinatus

- ORIGIN: fossa supraspinata
- INSERTION : tuberculum majus humeri
- INNERVATION: n. suprascapularis
- FUNCTION: humeral supination and abduction

Musculus infraspinatus

- ORIGIN: fossa infraspinata
- INSERTION :
tuberculum
majus humeri
- INNERVATION:
n.
suprascapularis
- FUNCTION:
humeral
supination

Musculus teres minor

- **ORIGIN:** margo lateralis scapulae
- **INSERTION :** tuberculum majus humeri
- **INNERVATION:** n. axillaris
- **FUNCTION:** humeral supination

Musculus teres major

- **ORIGIN:** angulus inferior scapulae
- **INSERTION :** crista tuberculi minoris
- **INNERVATION:** n. subscapularis
- **FUNCTION:** adduction, extension and humeral pronation

- Insertions of m. supraspinatus, infraspinatus, teres minor and subscapularis into the articular capsule of shoulder joint– ROTATOR CUFF

Musculus deltoideus

- **ORIGIN:** clavícula, acromion, spina scapulae
- **INSERTION :** tuberositas deltoidea humeri
- **INNERVATION:** n. axillaris
- **FUNCTION:** abduction, anteflexion, dorsiflexion in shoulder joint

Musculi brachii

Musculus brachialis

- ORIGIN: distal half of humeral body
- INSERTION :
tuberositas ulnae
- INNERVATION: n. musculocutaneus
- FUNCTION:
flexion of forearm
- It is covered by biceps

Musculus coracobrachialis

- **ORIGIN:** processus coracoideus scapulae
- **INSERTION:** internal side of corpus humeri
- **INNERVATION:** n. musculocutaneus
- **FUNCTION:** adduction and partial anteflexion

Musculus biceps brachii

- ORIGIN: caput longum-tuberculum supraglenoidale scapulae, caput breve-processus coracoideus scapulae
- INSERTION : tuberositas radii, aponeurosis m. bicipitis brachii (lacertus fibrosus)
- INNERVATION: n. musculocutaneus
- FUNCTION: flexion of forearm in supination, c. longum-abduction of arm, c. breve- anteflexion and adduction

Musculus triceps brachii

- **ORIGIN:** caput longum-tuberculum infraglenoidale scapulae, caput laterale-proximally from sulcus nervi radialis, caput mediale-distally from sulcus nervi radialis
- **INSERTION :** olecranon ulnae
- **INNERVATION:** n. radialis
- **FUNCTION:** extension of forearm, c. longum-adduction of arm

Musculus anconaeus

- ORIGIN: epicondylus lateralis humeri
- Ú INSERTION : olecranon ulnae
- INNERVATION: n. radialis
- FUNCTION: extension of forearm

Foramen humerotricipitale

Foramen omotricipitale

Fascia brachii

- It is proximal continuation of **fascia deltoidea** and distally continues as **fascia antebrachii**

septum intermusculare brachii mediale et laterale- they pull fascia into the depth → **sulcus m. bicipitis lateralis et medialis**

Fossa axillaris

Between lateral side of thorax and proximal part of arm

Anterior wall

- insertion of m. pectoralis major
- plica axillaris anterior

Medial wall

- lateral wall of thorax
- m. serratus anterior

Posterior wall

- insertion of m. latissimus dorsi
- plica axillaris posterior

Lateral wall

- humerus- caput breve m. biceps brachii
m. coracobrachialis

Thank you for your attention!