

الكلية : الطب

القسم او الفرع : التشريح

المرحلة: الاولى

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اسم المادة باللغة العربية : التشريح

اسم المادة باللغة الإنكليزية : Anatomy

اسم المحاضرة الأولى باللغة العربية: اليد

اسم المحاضرة الأولى باللغة الإنكليزية : Arm

Lac:1

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Human anatomy 1st stage

ARM

(Anterior & posterior compartments)

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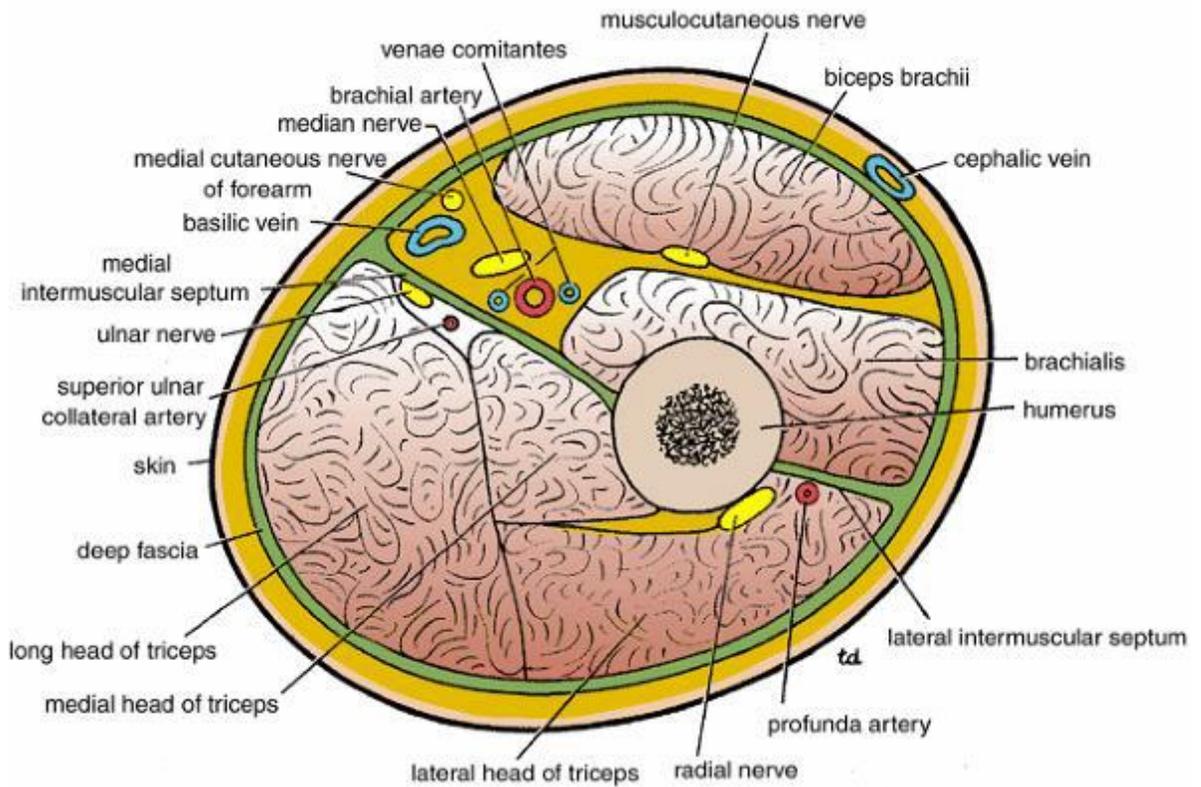
The arm(bracium)

Fascial compartment of arm:

The arm is enclosed in a sheath of deep fascia. Two facial intermuscular septa, one on the medial side and one on the lateral side, extend inward from this sheath and attached to the medial and lateral supracondylar ridges of humerus, this called **medial and lateral intermuscular septums**. In this way, the arm is divided into an anterior and posterior compartment.

Contents of ant. fascial compartment of arm:

- Muscles:** biceps brachii, coracobrachialis, & brachialis muscles.
- Blood vessels:** brachial artery & its branches.
- Nerves:** musculocutaneous, median, and ulnar nerves.



-Brachial artery

-It begins at lower border of teres major as continuation of axillary artery. It travels through anter.compartment of arm & its branches supply the entire arm.

-It terminates opposite neck of radius by dividing into radial & ulnar arteries.

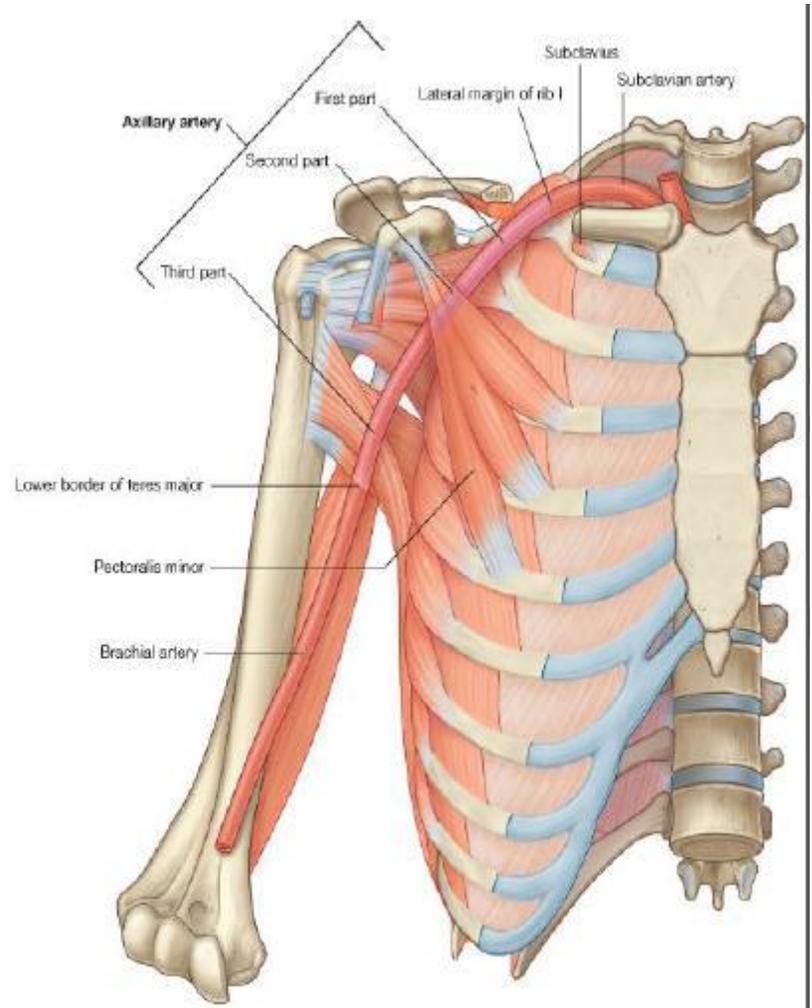
It is related to:

1. Ant.: It is superficial & is overlapped from lat. side by **coracobrachialis & biceps** muscles. The **med. cutaneous n. of forearm** lies in front of its upper part, while its **middle** and **lower** parts are crossed by **median n. & bicipital aponeurosis** respectively

2. Post.: It lies on **triceps, & brachialis** muscles.

3. Med.: **Ulnar n. & basilic v.** in the upper part of the arm while in lower part of arm it is related to **median n.**

4. Lat.: Above; **median nerve** and **coracobrachialis** and **biceps** muscles. Below; the **tendon of biceps** muscle.



1-Biceps brachii muscle: arises by two heads.

Origin:-Long head: from supraglenoid tubercle of scapula

-short head: from the tip of coracoid process of scapula.

Tendon crosses humeral head within capsule of shoulder joint & surrounded by a synovial sheath & lies in bicipital groove.

Insertion: The two heads fuse at the middle of arm & inserted into **bicipital tuberosity of radius & bicipital aponeurosis** into deep fascia of med. aspect of forearm.

-Action: as **strong supinator** of the forearm, **flexor** of elbow joint and **weak flexor** of shoulder joint.

2- Coracobrachialis muscle:

Origin: The tip of coracoid process of scapula & runs downward & laterally

Insertion: into **middle of med. side of shaft of humerus.**

-Action: It flexes the arm at shoulder joint & weak adductor.

3- Brachialis muscle arises from lower half of ant. surface of humerus and passes downward & ant. to elbow joint where it is inserted into the **ant. surface of coronoid process of ulna.**

Action: It is regarded as a **strong flexor** of the elbow joint.

Nerve supply of all above muscles: Musculocutaneous

