

## Unit 26:

# Upper limb 2 (arm and anterior compartment of forearm)

### GENERAL OBJECTIVES:

- general considerations of the organization of the arm and forearm muscles
- irrigation and innervation of the arm and forearm

### SPECIFIC OBJECTIVES:

#### 1. Muscles of (Upper) Arm

##### **In Anterior Compartment**

Coracobrachialis  
Biceps (Brachii)  
Brachialis

##### **In Posterior Compartment**

Triceps (Brachii)

Deep Fascia

Deep Fascia of Forearm (Antebrachial Fascia)

Interosseus Membrane --> Compartments

#### 2. Muscles of Forearm

##### **Flexor Compartment**

Superficial layer	Pronator Teres Flexor Carpi Radialis Palmaris Longus Flexor Carpi Ulnaris
Intermediate layer	Flexor Digitorum Superficialis
Deep layer	Flexor Pollicis Longus Flexor Digitorum Profundus
Very deep layer	Pronator Quadratus

#### 3. Anterior Compartment of Arm - supply

*Musculocutaneous Nerve*

Principle Neurovascular Bundle of Arm:

*Brachial Artery*  
Venae Comitantes (Brachial Veins)

*Median Nerve*

*Ulnar Nerve*

*Basilic Vein*

Medial Cutaneous Nerve of Forearm

#### 4. Cubital Fossa – organization and supply

Boundaries:

*Roof* (with *Median Cubital Vein* & *Bicipital Aponeurosis*) & *Floor*  
*Medial & Lateral Walls*

Contents:

*Tendon of Biceps*

*Brachial Artery* --> *Radial & Ulnar Arteries*

Branches of Arteries & Anastomosis around Elbow

*Median Nerve*

*Radial Nerve* --> *Superficial & Deep (terminal) Branches*