

Unit 24:

Upper limb 2 (arm and anterior compartment of forearm)

Chapter 6 (Upper limb): (p. 731-750)

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*