

# CLINICAL ANATOMY: BRACHIAL REGION

Reference Chart | Arm (Humerus Segment)

Form ID: ANAT-BR-001

## Anterior Compartment (Flexors)

| Muscle           | Innervation      | Action              |
|------------------|------------------|---------------------|
| Biceps Brachii   | Musculocutaneous | Supination, Flexion |
| Brachialis       | Musculocutaneous | Primary Flexion     |
| Coracobrachialis | Musculocutaneous | Adduction, Flexion  |

## Posterior Compartment (Extensor)

| Muscle          | Innervation  | Action          |
|-----------------|--------------|-----------------|
| Triceps Brachii | Radial Nerve | Elbow Extension |

## Neurovascular Structures

| Structure       | Clinical Landmark          |
|-----------------|----------------------------|
| Brachial Artery | Medial to Biceps tendon    |
| Radial Nerve    | Radial groove (Humerus)    |
| Ulnar Nerve     | Post. to Medial Epicondyle |
| Median Nerve    | Medial to Brachial Artery  |

## Clinical Correlations

**Mid-shaft Fracture:** High risk of Radial Nerve injury resulting in "Wrist Drop."

**Supracondylar Fracture:** Potential damage to Brachial Artery or Median Nerve.

Educational Template Only - For Clinical Reference Purposes