

## Upper Limb - Arm Muscles

The arm muscles are divided into anterior and posterior muscles as well as superficial and deep muscles. The biceps brachii and triceps brachii (long and lateral heads) are superficial while the brachialis, coracobrachialis, and medial head of the triceps are deep muscles. The arm muscles work to flex and extend the elbow as well as adduct the shoulder.



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### Anterior Superficial Muscles

#### Biceps Brachii

##### Bicycle Branch

The biceps brachii has two heads, a long head which originates from the glenohumeral joint and scapula and a short head which originates from the scapula. Both long and short heads of the biceps brachii insert onto the radius. The biceps brachii muscle functions to flex the elbow and supinate the forearm. It is innervated by the C5-C6 musculocutaneous nerve.

### Anterior Deep Muscles

#### Coracobrachialis

##### Crow-branch-Alice

The coracobrachialis originates from the coracoid process on the scapula and inserts into the humerus. This muscle functions to flex the arm and adduct the shoulder. It is innervated by the C5-C7 musculocutaneous nerve.

#### Brachialis

##### Branch-Alice

The brachialis muscle originates at the distal humerus and inserts into the ulnar tuberosity. The brachialis muscle functions to flex the elbow with the forearm supinated or pronated. It is innervated by the C5-C6 musculocutaneous nerve and C7 radial nerve.

### Posterior Superficial Muscles

#### Long Head of Triceps Brachii

##### Long Head and Tricycle Branch

The long head of the triceps brachii originates from the scapula and inserts to the ulna at the olecranon process. The long head functions in elbow extension and assists in adduction of the shoulder. It is innervated by the C6-C8 radial nerve.

#### Lateral Head of Triceps Brachii

##### Ladder Head and Tricycle Branch

The lateral head of the triceps brachii originates from the humerus and inserts to the ulna at the olecranon process. The lateral and long heads help extend the elbow. It is innervated by the C6-C8 radial nerve.

### Posterior Deep Muscles

#### Medial Head of Triceps Brachii

##### Metal Head of Tricycle Branch

The medial head of the triceps brachii originates from the humerus and inserts to the ulna at the olecranon process. The medial head functions to assist with all forms of forearm extension. It is innervated by C6-C8 radial nerve.