

Muscles and Nerves involved in the movements of the shoulder joint

flexion:

pectoralis major (clavicular head) – **medial and lateral pectoral nerve**

deltoid (anterior part) – **axillary nerve**

coracobrachialis – **musculocutaneous nerve**

biceps femoris – **musculocutaneous nerve**

extension:

deltoid (posterior part) – **axillary nerve**

teres major – **lower subscapular nerve**

abduction:

deltoid (central part) – **axillary nerve**

supraspinatus – **suprascapular nerve**

adduction:

pectoralis major – **medial and lateral pectoral nerve**

latissimus dorsi – **thoracodorsal nerve**

subscapularis - **upper and lower subscapular nerve**

infraspinatus – **suprascapular nerve**

teres minor – **axillary nerve**

medial rotation:

subscapularis

pectoralis major – **medial and lateral pectoral nerve**

deltoid (anterior part) – **axillary nerve**

latissimus dorsi – **thoracodorsal nerve**

lateral rotation:

infraspinatus – suprascapular nerve

long head of triceps – **radial nerve**

coracobrachialis – **musculocutaneous nerve**

short head of biceps – **musculocutaneous nerve**