SHOULDER	Origin	Insertion	Action	Innervation
Upper trapezius	Occipital bone, nuchal ligament	Outer third of clavicle, acromion process	Scapular elevation and upward rotation	Spinal accessory (cranial nerve XI)
Middle trapezius	Spinous processes of C7 through T3	Scapular spine	Scapular retraction	Spinal accessory (cranial nerve XI)
Lower trapezius	Spinous processes of middle and lower thoracic vertebrae	Base of the scapular spine	Scapular depression and upward rotation	Spinal accessory (cranial nerve XI)
Levator scapulae	Transverse process of first four cervical vertevrae	Vertebral border of scapula between the superior angle and spine	Scapular elevation and downward rotation	Third and fourth cervical nerves
Pectoralis minor	Anterior surface, third through fifth ribs	Coracoid process of the scapula	Scapular depression, protraction, and downward rotation	Medial pectoral nerve
Serratus anterior	Lateral surface of the upper eight ribs	Vertebral border of the scapula, anterior surface	Scapular protraction and upward rotation	Long thoracic nerve
Rhomboid major	Spinous processes of T2 through T5	Vertebral border of scapula between the spine and inferior angle	Scapular retraction and downward rotation	Dorsal scapular nerve
Rhomboid minor	Spinous processes or C7-T1	Vertebral border next to spine	Same as R. major	Same as R. major

GH JOINT	Origin	Insertion	Action	Innervation
Anterior deltoid	Lateral third of the clavicle	Deltoid tuberosity	Shoulder flexion, medial rotation,	Axillary nerve
			horizontal adduction	
Middle deltoid	Acromion process	Deltoid tuberosity	Shoulder abduction	Axillary nerve
Posterior deltoid	Spine of scapula	Deltoid tuberosity	Shoulder extension,	Axillary nerve
			hyperextension, lateral rotation,	
			horizontal abduction	
Pectoralis major,	Medial third of clavicle, sternum, costal	Lateral lip of	Shoulder adduction, medial	Lateral and medial
clavicular and sternal	cartilage of first six ribs	bicipital groove of	rotation, horizontal adduction	pectoral nerve
portions		humerus		
subclavius	Juction of 1 st rib and it's costal cartilage	Inferior surface of	Anchors and depresses clavicle	C5 and C6
		middle 3 rd of clavicle		
Latissimus dorsi	Spinous processes of T7 through L5 (via	Medial lip of	Shoulder extension, adduction,	Thoracodorsal nerve
	dorsolumbar fascia), posterior surface of	bicipital groove of	medial rotation, hyperextension	
	sacrum, iliac crest, and lower three ribs	humerus		

TRUNK	Origin	Insertion	Action	Innervation
Scalenes	Transverse processes of the cervical vertebrae	First and second rib	Bilateral: Assists in neck flexion, Unilateral: Neck lateral bending	Lower cervical nerve
Rectus	Superior surface of Pubis on	Inferior surface of costal	Trunk flexion, flexes of vertebral	Seventh through twelfth
abdominis	either side of symphysis	cartilages of fifth, sixth, and seventh ribs	column; compression of abdomen	intercostals nerves
External	Lower eight ribs laterally	Iliac crest and linea alba	Bilateral: Trunk flexion; compression	Eighth through twelfth
oblique			of abdomen, Unilateral: Lateral bending; rotation to opposite side	intercostals, iliohypogastric, and ilioinguinal nerves
Internal	Inguinal ligament, iliac crest,	Tenth, eleventh, and twelfth	Bilateral: Trunk flexion; compression	Eighth through twelfth
oblique	thoracolumbar fascia	ribs; abdominal aponeurosis	of abdomen, Unilateral: Lateral bending; rotation to same side	intercostals, iliohypogastric, and ilioinguinal nerves
Transverse	Inguinal ligament, iliac crest,	Abdominal aponeurosis and	Compression of abdomen	Seventh through twelfth
abdominis	thoracolumbar fascia, and last six ribs	linea alba		intercostals, iliohypogastric, and ilioinguinal nerves
Erector spinae				
Spinalis thoracis	Spinous processes of inferior thoracic (T11-12)and superior	Spinous processes of superior thoracic vertebra (T1-8)	Bilateral: Extension of vertebral column,	Thoracic and lumbar spinal nerves
uioraeis	lumbar vertebral(L1-2)	thoracle vertebra (11-6)	Unilateral: Lateral bend	
Longissimus thoracis	Transverse processes of lumbar vertebra	Transverse processes of all thoracic vertebra and inferior surface of ribs (9-10)	Same as above	Same as above
Iliocostalis	Superior borders of inferior	Upper ribs (first 6) and	Same as above	Upper 6 Thoracic spinal nerves
thoracis	six/seven ribs	transverse process of 7th cervical vertebra		
Iliocostalis	Iliac crest	Inferior borders of ribs 6 to 12	Same as above	Lower Thoracic and upper
Lumborum				Lumbar spinal nerves
Quadratus	Iliac crest and iliolumbar	Inferior border of 12 th rib and	Same as above,	Spinal nerves T12, L1-L4
Lumborum	ligament	first four lumbar vertebrae	Fixes 12 th rib during deep inhalation	
Diaphragm	Xiphoid process, ribs, lumbar vertebra	Central tendon	Inspiration	Phrenic nerve