

Thoracic Muscles

Muscle	Origin	Insertion	Innervation	Arterial Supply
Pectoralis Major	<i>Clavicular Head:</i> Medial half of clavicle <i>Sternocostal Head:</i> Anterior surface of sternum, costal cartilage of first <u>seven</u> ribs, aponeurosis of external oblique	Proximal part of humerus	Lateral and medial pectoral nerve	Pectoral branch of thoracoacromial artery
Pectoralis Minor	Anterior surface of 3 rd , 4 th , and 5 th ribs and deep fascia of overlying intercostal space	Coracoid process	Medial pectoral nerve	Pectoral branch of thoracoacromial artery
Subclavius	Rib 1 at junction between rib and costal cartilage	Middle third of clavicle	Nerve to subclavius	Clavicular branch of thoracoacromial artery
External Intercostal	(Note: <i>Origin/insertion do not make sense for intercostal muscles</i>) Inferior margin of rib above	Superior margin of rib below	Intercostal Nerves	Intercostal arteries
Internal Intercostal	Costal groove of the rib above	Superior surface of rib below	Intercostal Nerves	Intercostal arteries
Innermost Intercostal	Costal groove of the rib above	Internal aspect of rib below	Intercostal Nerves	Intercostal arteries

Subcostales	Internal surface of lower ribs near the angle of ribs on the posterior thoracic wall	Internal surface of 2-3 ribs below	Intercostal Nerves	??? (I couldn't find definitive answer but probably dorsal branches of intercostal arteries).
Transversus Thoracis	Internal surface of costal cartilages of 2 nd to 6 th ribs	Inferior portion of deep surface of sternum, xiphoid process, and costal cartilage of ribs 4-7.	Intercostal Nerves	Intercostal arteries
Serratus Anterior	Lateral surface of upper 8-9 ribs and deep fascia overlying the related intercostal spaces	Costal surface of the medial border of scapula	Long thoracic nerve	Lateral thoracic artery; Thoracodorsal artery
Diaphragm	(Note: <i>origin/insertion</i> does not make much sense here) Xiphoid process, costal margin, ends of ribs 11 and 12, ligaments on posterior abdominal wall, and vertebrae of the lumbar region.	Central tendon	Phrenic nerve	<i>Superiorly</i> : pericardiophrenic, musculophrenic, and superior phrenic arteries. <i>Inferiorly</i> : inferior phrenic artery

Abdominal Muscles

Muscle	Origin	Insertion	Innervation	Arterial Supply
External Oblique	Outer surface of Ribs 5 – 12	Aponeurosis at linea alba, lateral lip of ileac crest	Anterior rami of thoracic nerves (T7-T12)	Superior and inferior epigastric, deep and superficial circumflex, and branches of intercostal and subcostal arteries.
Internal Oblique	Thoracolumbar fascia, Iliac crest, lateral 2/3 of inguinal ligament	Inferior border of lower 3-4 ribs, aponeurosis at linea alba, pubic crest and pectineal line	Anterior rami of T7-T12 and L1	Superior and inferior epigastric, deep and superficial circumflex, and branches of intercostal and subcostal arteries.

Transversus Abdominis	Thoracolumbar fascia, iliac crest, lateral 1/3 of inguinal ligament, costal cartilage of ribs 7-12	Aponeurosis at linea alba, pubic crest and pectineal line	Anterior rami of T7-T12 and L1	Superior and inferior epigastric, deep and superficial circumflex, and branches of intercostal and subcostal arteries.
Rectus Abdominis	Pubic symphysis, pubic crest, and pubic tubercle	Xiphoid process and costal cartilage of ribs 5-12	Anterior rami of T7-T12	Inferior and super epigastric artery
Pyramidalis	Front of pubis and pubic symphysis	Linea alba	T12	Inferior epigastric and deep circumflex iliac artery
Psoas Major	Lateral vertebral bodies of T12, L1-L5; transverse processes of L1-L5; related intervertebral discs	Lesser trochanter of femur	Anterior rami of L1-L3	Superior part of muscle by lumbar arteries and inferior part by lumbar branch of iliolumbar artery
Psoas Minor	Later surface of vertebrae T12-L1 and intervening intervertebral disc	Pectineal line and iliopubic eminence	Anterior rami of L1	Lumbar arteries
Quadratus Lumborum	Iliac crest, iliolumbar ligament, and transverse process of L5 vertebra	Transverse processes of L1-L4 vertebrae and rib 12	Anterior rami of T12 and L1-L4	Lumbar arteries, lumbar branch of iliolumbar artery, and branches of subcostal artery
Iliacus	Upper 2/3 of iliac fossa, anterior sacro-iliac and iliolumbar ligaments, upper lateral surface of sacrum	Lesser trochanter of femur	Femoral nerve	Iliac branch of iliolumbar artery