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THORAX MUSCLE TABLE

MUSCLE	PROXIMAL ATTACHMENT (ORIGIN)	DISTAL ATTACHMENT (INSERTION)	INNERVATION	MAIN ACTIONS	BLOOD SUPPLY	MUSCLE GROUP
Pectoralis major	Sternal half of clavicle, sternum to 7th rib, cartilages of true ribs, aponeurosis of external oblique muscle	Lateral lip of intertubercular sulcus of humerus	Medial and lateral pectoral nerves	Flexes and adducts arm, rotates arm medially	Pectoral branch of thoraco-acromial artery, perforating branches of internal thoracic artery	Pectoral/axilla region
Pectoralis minor	Outer surface of upper margin of ribs 3–5	Coracoid process of scapula	Medial pectoral nerve	Lowers lateral angle of scapula and protracts scapula	Pectoral branch of thoraco-acromial and intercostal lateral thoracic arteries	Pectoral/axilla region
Serratus anterior	Lateral surfaces of upper 8–9 ribs	Costal surface of medial border of scapula	Long thoracic nerve	Protracts scapula and holds it against thoracic wall	Lateral thoracic artery	Pectoral/axilla region
Diaphragm	Xiphoid process, lower six costal cartilages, L1–L3 vertebrae	Converge into central tendon	Phrenic nerve	Draws central tendon down and forward during inspiration	Pericardiacophrenic, musculophrenic, superior and inferior phrenic arteries	Posterior abdominal wall
Serratus posterior inferior	Spinous processes of T11–L2	Inferior aspect of ribs 9–12	Ventral rami of lower thoracic nerves	Depresses ribs	Posterior intercostal arteries	Superficial back
Serratus posterior superior	Ligamentum nuchae, spinous processes of C7–T3	Superior aspect of ribs 2–4	Ventral rami of upper thoracic nerves	Elevates ribs	Posterior intercostal arteries	Superficial back
External intercostal	Lower border of ribs	Upper border of rib below rib of origin	Intercostal nerves	Supports intercostal spaces in inspiration and expiration, elevates ribs in inspiration	Posterior intercostal arteries, collateral branches of posterior intercostal arteries, costocervical trunk, anterior intercostal branches of internal thoracic artery, musculophrenic artery	Thoracic wall
Innermost intercostal	Lower border of ribs	Upper border of rib below rib of origin	Intercostal nerves	Elevates ribs	Muscular branches of anterior intercostal arteries, muscular branches of posterior intercostal arteries, intercostal branches of internal thoracic and musculophrenic arteries, costocervical trunk branches	Thoracic wall
Internal intercostal	Lower border of ribs	Costal cartilage and edge of costal groove of rib above rib of origin	Intercostal nerves	Prevents pushing out or drawing in of intercostal spaces in inspiration and expiration, lowers ribs in forced expiration	Muscular branches of anterior intercostal arteries, muscular branches of posterior intercostal arteries, intercostal branches of internal thoracic and musculophrenic arteries, costocervical trunk branches	Thoracic wall
Levator costarum	Transverse processes of C7 and T1–T11	Subjacent ribs between tubercle and angle	Dorsal ramus of lower thoracic nerves	Elevates ribs	Posterior intercostal arteries	Thoracic wall
Subcostal	Internal surface of lower ribs near their angles	Superior borders of 2nd or 3rd rib below	Intercostal nerves	Depresses ribs	Posterior intercostal artery, musculophrenic artery	Thoracic wall
Transversus thoracis	Internal surface of costal cartilages 2–6	Posterior surface of lower sternum	Intercostal nerves	Depresses ribs and costal cartilages	Anterior intercostal arteries, internal thoracic artery	Thoracic wall