

HEAD-NECK MUSCLE TABLE

MUSCLE	PROXIMAL ATTACHMENT (ORIGIN)	DISTAL ATTACHMENT (INSERTION)	INNERVATION	MAIN ACTIONS	BLOOD SUPPLY	MUSCLE GROUP
Inferior oblique	Anterior floor of orbit lateral to nasolacrimal canal	Lateral sclera deep to lateral rectus	Oculomotor nerve (CN III), inferior division	Abducts, elevates, and laterally rotates eyeball	Ophthalmic artery	Extra-ocular
Inferior rectus	Common tendinous ring	Inferior aspect of eyeball, posterior to corneoscleral junction	Oculomotor nerve (CN III), inferior division	Depresses, adducts, and laterally rotates eyeball	Ophthalmic artery	Extra-ocular
Lateral rectus	Common tendinous ring	Lateral aspect of eyeball, posterior to corneoscleral junction	Abducent nerve (CN VI)	Abducts eyeball	Ophthalmic artery	Extra-ocular
Medial rectus	Common tendinous ring	Medial aspect of eyeball, posterior to corneoscleral junction	Oculomotor nerve (CN III), inferior division	Adducts eyeball	Ophthalmic artery	Extra-ocular
Superior oblique	Body of sphenoid (above optic foramen), medial to origin of superior rectus	Passes through trochlea, attaches to superior sclera between superior and lateral recti	Trochlear nerve (CN IV)	Abducts, depresses, and medially rotates eyeball	Ophthalmic artery	Extra-ocular
Superior rectus	Common tendinous ring	Superior aspect of eyeball, posterior to the corneoscleral junction	Oculomotor nerve (CN III), superior division	Elevates, adducts, and medially rotates eyeball	Ophthalmic artery	Extra-ocular
Levator palpebrae superioris	Lesser wing of sphenoid, anterior to optic canal	Superior tarsal plate	Oculomotor nerve (CN III), superior division	Raises upper eyelid	Ophthalmic artery	Extra-ocular; eyelid
Ciliary	Corneoscleral junction	Ciliary body	Parasympathetic fibers via short ciliary nerves (CN III)	Constricts ciliary body and lens rounds up (accommodation)	Ophthalmic artery	Eye; intrinsic
Dilator pupillae	Radial fibers in iris	Blends with sphincter pupillae fibers	Sympathetic fibers from SCG	Dilates pupil	Ophthalmic artery	Eye; intrinsic
Sphincter pupillae	Circular smooth muscle of iris that passes around pupil	Blends with dilator pupillae fibers	Parasympathetic fibers via oculomotor nerve (CN III)	Constricts pupil	Ophthalmic artery	Eye; intrinsic
Auricularis anterior	Temporal fascia, epicranial aponeurosis	Anterior part of medial surface of helix of ear	Posterior auricular and temporal branches of facial nerve	Elevates and draws ear forward	Auricular branch of posterior auricular artery, parietal branch of superficial temporal artery	Facial expression
Auricularis posterior	Base of mastoid process	Lower part of cranial surface of auricle	Posterior auricular and temporal branches of facial nerve	Retracts and elevates ear	Auricular branch of posterior auricular artery, parietal branch of superficial temporal artery	Facial expression
Auricularis superior	Temporal fascia, epicranial aponeurosis	Upper part of medial surface of auricle	Posterior auricular and temporal branches of facial nerve	Retracts and elevates ear	Auricular branch of posterior auricular artery, parietal branch of superficial temporal artery	Facial expression
Buccinator	Posterior portion of alveolar process of maxilla and mandible opposite sockets of molar teeth, anterior border of pterygomandibular raphe	Angle of mouth	Buccal branches of facial nerve	Compresses cheeks, expels air between lips, aids in mastication	Muscular branches of facial artery, buccal branch of maxillary artery	Facial expression
Corrugator supercilii	Medial part of supra-orbital margin	Skin of medial half of eyebrow	Zygomatic and temporal branches of facial nerve	Draws eyebrows downward and medially, produces wrinkles in frowning	Zygomatic and anterior branches of superficial temporal artery	Facial expression
Depressor anguli oris	Continuous with platysma on oblique line of mandible	Angle of mouth into orbicularis and skin	Mandibular and buccal branches of facial nerve	Depresses angle of mouth	Inferior labial branch of facial artery	Facial expression
Depressor labii inferioris	Lateral surface of mandible between symphysis and mental foramen deep to depressor anguli oris	Skin to lower lip, mingling with orbicularis oris, medial fibers joining those of opposite side	Mandibular and buccal branches of facial nerve	Depresses lower lip and draws it lateralward	Inferior labial branch of facial artery	Facial expression
Depressor septi nasi	Incisive fossa of maxilla	Septum and posterior part of ala of nose	Zygomatic and buccal branches of facial nerve	Narrows nostril, draws septum downward	Superior labial branch of facial artery	Facial expression
Frontal belly of occipitofrontalis	Epicranial aponeurosis at level of coronal suture	Skin of frontal region, epicranial aponeurosis	Temporal branches of facial nerve	Wrinkles forehead skin, raises eyebrows	Frontal branch of superficial temporal artery	Facial expression
Levator anguli oris	Canine fossa of maxilla immediately below infra-orbital foramen and under cover of zygomatic head of levator labii superioris	Angle of mouth; fibers intermingle with orbicularis oris, depressor anguli oris, zygomaticus	Zygomatic and buccal branches of facial nerve	Elevates angle of mouth	Superior labial branch of facial artery	Facial expression
Levator labii superioris	Maxilla above infra-orbital foramen	Skin of upper lip	Zygomatic and buccal branches of facial nerve	Elevates upper lip, dilates nares	Superior labial artery and angular branches of facial artery	Facial expression

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Levator labii superioris alaeque nasi	<i>Angular head:</i> upper part of frontal process of maxilla <i>Infra-orbital head:</i> orbit above infra-orbital foramen <i>Zygomatic head:</i> malar surface of zygomatic bone	<i>Angular head:</i> into greater alar cartilage, skin of nose, lateral upper lip <i>Infra-orbital head:</i> into muscular substance of upper lip between angular head and caninus <i>Zygomatic head:</i> into skin of nasolabial groove and upper lip	Zygomatic and buccal branches of facial nerve	<i>Angular head:</i> elevates upper lip and dilates nostril <i>Infra-orbital head:</i> raises angle of mouth <i>Zygomatic head:</i> elevates upper lip laterally	Superior labial branch and angular branches of facial artery	Facial expression
Mentalis	Incisive fossa of mandible	Skin of chin	Mandibular branch of facial nerve	Raises and protrudes lower lip	Inferior labial branch of facial artery	Facial expression
Nasalis	Canine eminence above and lateral to incisive fossa of maxilla	Aponeurosis on nasal cartilages	Zygomatic and buccal branches of facial nerve	Draws ala of nose toward septum, compresses nostrils; alar part opens nostrils	Superior labial, septal, and lateral nasal branches of facial artery	Facial expression
Occipital belly (occipitalis) of epicranius	Lateral 2/3 of superior nuchal line and mastoid process	Skin of occipital region, epicranial aponeurosis	Posterior auricular branches of facial nerve	Moves scalp backward	Occipital branch of posterior auricular artery, descending branch of occipital artery	Facial expression
Orbicularis oculi	Medial orbital margin, palpebral ligament, lacrimal bone	Skin around orbit, palpebral ligament, upper and lower eyelids	Facial nerve (CN VII)	Closes eyelids	Facial and superficial temporal arteries	Facial expression
Orbicularis oris	Maxilla above incisor teeth	Skin around lips	Zygomatic, buccal, and mandibular branches of facial nerve	Compression, contraction, and protrusion of lips	Inferior and superior labial branches of facial artery	Facial expression
Platysma	Skin below clavicle, upper thorax	Mandible, oral muscles	Facial nerve	Tenses skin of neck	Submental and suprascapular arteries	Facial expression
Procerus	Fascia covering lower parts of nasal bone and upper part of lateral nasal cartilage	Skin between and above eyebrow	Temporal and zygomatic branches of facial nerve	Draws down medial angle of eyebrows, produces transverse wrinkles over bridge of nose	Angular and lateral nasal branches of facial artery	Facial expression
Risorius	Fascia over masseter superficial to platysma	Skin at angle of mouth	Zygomatic and buccal branches of facial nerve	Retracts angle of mouth	Superior labial branch of facial artery	Facial expression
Zygomaticus major	Zygomatic arch	Angle of mouth	Zygomatic and buccal branches of facial nerve	Draws angle of mouth backward and upward	Superior labial branch of facial artery	Facial expression
Zygomaticus minor	Zygomatic arch	Angle of mouth, upper lip	Zygomatic and buccal branches of facial nerve	Elevates upper lip	Superior labial branch of facial artery	Facial expression
Omohyoid	<i>Inferior belly:</i> from upper border of scapula and suprascapular ligament, ending in tendon under sternocleidomastoid muscle <i>Superior belly:</i> from this tendon	<i>Inferior belly:</i> to intermediate tendon <i>Superior belly:</i> to body of hyoid bone	Ansa cervicalis	Steadies hyoid bone and depresses hyoid	Hyoid branch of lingual artery, sternocleidomastoid branch of superior thyroid artery	Infrahyoid
Sternohyoid	Posterior surface of manubrium sterni, posterior sternoclavicular ligament, medial end of clavicle	Medial part of lower border of body of hyoid bone	Ansa cervicalis	Depresses larynx and hyoid bone, steadies hyoid bone	Sternocleidomastoid and hyoid branches of superior thyroid artery, hyoid branch of lingual artery	Infrahyoid
Sternothyroid	Posterior surface of manubrium sterni below and deep to origin of sternohyoid, edge of first costal cartilage	Oblique line on lamina of thyroid cartilage	Ansa cervicalis	Depresses larynx and thyroid cartilage	Cricothyroid branch of superior thyroid artery	Infrahyoid
Thyrohyoid	Oblique line on lamina of thyroid cartilage	Lower border of body and greater horn of hyoid bone	Thyrohyoid branch of C1 nerve via hypoglossal nerve (CN XII)	Depresses larynx and hyoid bone, elevates thyroid cartilage	Hyoid branch of superior thyroid artery	Infrahyoid
Cricothyroid	Anterior cricoid cartilage	Inferior border of thyroid cartilage and its inferior horn	External branch of superior laryngeal nerve	Lengthens and tenses vocal ligaments	Superior and inferior thyroid arteries	Laryngeal
Lateral crico-arytenoid	Arch of cricoid cartilage	Muscular process of arytenoid cartilage	Recurrent laryngeal nerve	Adducts vocal folds	Superior and inferior thyroid arteries	Laryngeal
Posterior crico-arytenoid	Posterior surface of lamina of cricoid cartilage	Muscular process of arytenoid cartilage	Recurrent laryngeal nerve	Abducts vocal folds	Superior and inferior thyroid arteries	Laryngeal
Thyro-arytenoid	Posterior aspect of thyroid cartilage	Muscular process of arytenoid cartilage	Recurrent laryngeal nerve	Shortens and relaxes vocal cords, sphincter of vestibule	Superior and inferior thyroid arteries	Laryngeal
Transverse and oblique arytenoid	Arytenoid cartilage	Opposite arytenoid cartilage	Recurrent laryngeal nerve	Closes intercartilaginous portion of rima glottides	Superior and inferior thyroid arteries	Laryngeal
Vocalis	Vocal process of arytenoid cartilage	Vocal ligament	Recurrent laryngeal nerve	Tenses anterior vocal ligament, relaxes posterior vocal ligament	Superior and inferior thyroid arteries	Laryngeal
Lateral pterygoid	<i>Superior head:</i> infratemporal surface of greater wing of sphenoid <i>Inferior head:</i> lateral pterygoid plate	Pterygoid fovea, capsule of temporomandibular joint, articular disc	Mandibular nerve (CN V ₃), muscular branches from anterior division	<i>Bilaterally:</i> protrude mandible <i>Unilaterally and alternately:</i> produces side-to-side grinding	Muscular branches of maxillary artery	Mastication

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Masseter	Zygomatic arch	Ramus of mandible, coronoid process	Mandibular nerve (CN V ₃), via masseteric nerve	Elevates and protrudes mandible; deep fibers retrude it	Transverse facial artery; masseteric branch of maxillary and facial arteries	Mastication
Medial pterygoid	Medial surface of lateral plate of pterygoid, pyramidal process of palatine bone, maxillary tuberosity	Medial surface of ramus and angle of mandible inferior to mandibular foramen	Mandibular nerve (V ₃), nerve to medial pterygoid	<i>Bilaterally:</i> protrude and elevate mandible <i>Unilaterally and alternately:</i> produces side-to-side movements	Facial and maxillary arteries	Mastication
Temporalis	Floor of temporal fossa, deep temporal fascia	Coronoid process and ramus of mandible	Mandibular nerve (CN V ₃), deep temporal nerves	Elevates mandible; posterior fibers retrude mandible	Superficial temporal and maxillary arteries, middle, anterior, and posterior deep temporal arteries	Mastication
Stapedius	Pyramidal eminence of temporal bone	Stapes	Facial nerve	Pulls stapes posteriorly to lessen oscillation of tympanic membrane	Posterior auricular, anterior tympanic, and middle meningeal arteries	Middle ear
Tensor tympani	Cartilage of pharyngotympanic (auditory, eustachian) tube	Handle of malleus	Mandibular branch of trigeminal nerve (CN V ₃)	Tenses tympanic membrane by drawing it medially	Superior tympanic branch of middle meningeal division of maxillary artery	Middle ear
Sternocleidomastoid	<i>Sternal head:</i> anterior surface of manubrium <i>Clavicular head:</i> upper surface of medial 1/3 of clavicle	Lateral surface of mastoid process; lateral half of superior nuchal line of occipital bone	Accessory nerve (CN XI)	<i>Bilaterally:</i> flex head, raise thorax <i>Unilaterally:</i> turns face toward opposite side	Sternocleidomastoid branch of superior thyroid and occipital arteries, muscular branch of suprascapular artery, occipital branch of posterior auricular artery	Neck
Subclavius	Upper border of 1st rib and its cartilage	Inferior surface of middle third of clavicle	Nerve to subclavius	Anchors and depresses clavicle	Clavicular branch of thoraco-acromial artery	Neck
Levator veli palatini	Temporal bone (petrous portion)	Palatine aponeurosis	Vagus nerve via pharyngeal plexus	Elevates soft palate during swallowing	Ascending palatine artery branch of facial artery, descending palatine artery branch of maxillary artery	Palatal
Palatoglossus	Palatine aponeurosis of soft palate	Lateral aspect of tongue	Vagus nerve via pharyngeal plexus	Elevates posterior tongue, depresses palate	Ascending pharyngeal arteries, palatine branches of facial and maxillary arteries	Palatal
Tensor veli palatini	Scaphoid fossa of medial pterygoid plate, spine of sphenoid, pharyngotympanic (auditory, eustachian) tube	Palatine aponeurosis	Mandibular nerve	Tenses soft palate, opens pharyngotympanic (auditory, eustachian) tube during swallowing and yawning	Ascending palatine artery branch of facial artery, descending palatine artery branch of maxillary artery	Palatal
Uvular muscle	Nasal spine, palatine aponeurosis	Mucosa of uvula	Vagus nerve via pharyngeal plexus	Shortens, elevates, and retracts uvula	Ascending palatine artery branch of facial artery, descending palatine artery branch of maxillary artery	Palatal
Inferior pharyngeal constrictor	Oblique line of thyroid cartilage and cricoid cartilage	Median raphe of pharynx	Vagus nerve via pharyngeal plexus	Constricts wall of pharynx during swallowing	Ascending pharyngeal artery, branches of superior thyroid artery	Pharyngeal constrictor
Middle pharyngeal constrictor	Stylohyoid ligament and horns of hyoid bone	Median raphe of pharynx	Vagus nerve via pharyngeal plexus	Constricts wall of pharynx during swallowing	Ascending pharyngeal artery, ascending palatine and tonsillar branches of facial artery, dorsal lingual branches of lingual artery	Pharyngeal constrictor
Superior pharyngeal constrictor	Hamulus, pterygomandibular raphe, mylohyoid line of mandible	Median raphe of pharynx	Vagus nerve via pharyngeal plexus	Constricts wall of pharynx during swallowing	Ascending pharyngeal artery, ascending palatine and tonsillar branches of facial artery, dorsal branches of lingual artery	Pharyngeal constrictor
Palatopharyngeus	Hard palate, superior palatine aponeurosis	Lateral pharyngeal wall	Vagus nerve via pharyngeal plexus	Tenses soft palate; pulls walls of pharynx superiorly, anteriorly, and medially during swallowing	Ascending palatine artery branch of facial artery, descending palatine artery branch of maxillary artery	Pharyngeal elevator
Salpingopharyngeus	Pharyngotympanic (auditory, eustachian) tube	Side of pharyngeal wall	Vagus nerve via pharyngeal plexus	Elevates pharynx and larynx during swallowing and speaking	Pharyngeal branch of ascending pharyngeal artery	Pharyngeal elevator
Stylopharyngeus	Medial aspect of styloid process	Pharyngeal wall	Glossopharyngeal nerve (CN IX)	Elevates pharynx and larynx during swallowing and speaking	Ascending pharyngeal artery, ascending palatine and tonsillar branches of facial artery, dorsal branches of lingual artery	Pharyngeal elevator

MUSCLE	PROXIMAL ATTACHMENT (ORIGIN)	DISTAL ATTACHMENT (INSERTION)	INNERVATION	MAIN ACTIONS	BLOOD SUPPLY	MUSCLE GROUP
Longus capitis	Anterior tubercles of transverse processes of C3–C6	Inferior surface of basilar part of occipital bone	Ventral rami of cervical nerves (C1–C4)	Flexes and assists in rotating cervical vertebrae and head	Ascending cervical branch of inferior thyroid artery, ascending pharyngeal artery, muscular branches of vertebral artery	Prevertebral
Longus colli	<i>Vertical portion:</i> C5–T3 vertebrae <i>Inferior oblique portion:</i> T1–T3 vertebrae <i>Superior oblique portion:</i> anterior tubercles of transverse processes of C3–C5 vertebrae	<i>Vertical portion:</i> into C2–C4 vertebrae <i>Inferior oblique portion</i> on anterior tubercles of transverse processes of C5–C6 vertebrae <i>Superior oblique portion:</i> tubercle of anterior arch of atlas	Ventral primary rami of cervical nerves (C2–C8)	<i>Bilaterally:</i> flex and assist in rotating cervical vertebrae and head <i>Unilaterally:</i> flexes vertebral column laterally	Prevertebral branches of ascending pharyngeal artery, muscular branches of ascending cervical and vertebral arteries	Prevertebral
Rectus capitis anterior	Lateral mass of atlas	Base of occipital bone in front of foramen magnum	Ventral rami of cervical nerves (C1–C2)	Flexes head	Muscular branches of vertebral artery, ascending pharyngeal artery	Prevertebral
Rectus capitis lateralis	Upper surface of transverse process of atlas	Inferior surface of jugular process of occipital bone	Ventral rami of cervical nerves (C1–C2)	Flexes head laterally to same side	Muscular branches of vertebral artery, occipital artery, ascending pharyngeal artery	Prevertebral
Scalene (anterior)	Anterior tubercles of transverse processes of C3–C6	Scalene tubercle on 1st rib	Anterior rami of cervical nerves (C5–C8)	Elevates 1st rib, bends neck	Ascending cervical branch of inferior thyroid artery	Prevertebral
Scalene (medius)	Posterior tubercles of transverse processes of C2–C7	Upper surface of 1st rib (behind subclavian groove)	Anterior rami of cervical nerves (C3–C7)	Elevates 1st rib, bends neck	Muscular branches of ascending cervical artery	Prevertebral
Scalene (posterior)	Posterior tubercles of transverse processes of C4–C6	Outer surface of 2nd rib (behind attachment of serratus anterior)	Anterior rami of lower four cervical nerves	Elevates 2nd rib, bends neck	Muscular branches of ascending cervical division of inferior thyroid artery, superficial branch of transverse cervical artery	Prevertebral
Digastric	<i>Anterior belly:</i> digastric fossa of mandible <i>Posterior belly:</i> mastoid notch of temporal bone	Intermediate tendon attached to body of hyoid	<i>Anterior belly:</i> nerve to mylohyoid <i>Posterior belly:</i> facial nerve	Raises hyoid bone and base of tongue, steadies hyoid bone, opens mouth by lowering mandible	<i>Anterior belly:</i> branches of submental artery <i>Posterior belly:</i> muscular branches of posterior auricular artery, muscular branches of occipital artery	Suprahyoid
Geniohyoid	Inferior genial tubercle on back of symphysis of mandible	Anterior surface of body of hyoid bone	Branch of C1 through hypoglossal nerve (CN XII)	Elevates hyoid bone and depresses mandible	Sublingual branch of lingual artery	Suprahyoid
Mylohyoid	Mylohyoid line of mandible	Median raphe and body of hyoid bone	Nerve to mylohyoid nerve (branch of trigeminal nerve)	Elevates hyoid bone, base of tongue, floor of mouth; depresses mandible	Sublingual branch of lingual artery, submental branch of facial artery	Suprahyoid
Stylohyoid	Posterior border of styloid process	Body of hyoid bone at junction with greater horn	Facial nerve	Elevates hyoid bone and base of tongue	Muscular branches of facial artery, muscular branches of occipital artery	Suprahyoid
Genioglossus	Mental spine of mandible	Dorsum of tongue, hyoid bone	Hypoglossal nerve (CN XII)	Depresses and protrudes tongue	Sublingual and submental arteries	Tongue; extrinsic
Hyoglossus	Body and greater horn of hyoid bone	Lateral and inferior aspect of tongue	Hypoglossal nerve (CN XII)	Depresses and retracts tongue	Sublingual and submental arteries	Tongue; extrinsic
Styloglossus	Styloid process and stylohyoid ligament	Lateral and inferior aspect of tongue	Hypoglossal nerve (CN XII)	Retracts tongue and draws it up for swallowing	Sublingual artery	Tongue; extrinsic
Inferior longitudinal muscle of tongue	Under surface of tongue between genioglossus and hyoglossus	Tip of tongue blending with styloglossus	Hypoglossal nerve (CN XII)	Shortens tongue, turns tip and sides downward	Deep lingual branch of lingual artery, branches from facial artery	Tongue; intrinsic
Superior longitudinal muscle of tongue	Submucous fibers at back of tongue	Tip of tongue; unites with muscle of opposite side	Hypoglossal nerve (CN XII)	Shortens tongue, turns tip and sides upward	Deep lingual branch of lingual artery, branches from facial artery	Tongue; intrinsic
Transverse (tongue)	Median fibrous septum of tongue	Dorsum and sides of tongue	Hypoglossal nerve (CN XII)	Narrows and elongates tongue	Deep lingual branch of lingual artery, branches from facial artery	Tongue; intrinsic
Vertical (tongue)	Mucous membrane on dorsum of forepart of tongue	Fibers extend from dorsum to undersurface of tongue	Hypoglossal nerve (CN XII)	Flattens and broadens tongue	Deep lingual branch of lingual artery, branches from facial artery	Tongue; intrinsic