

Muscles of Mastication

Name	O: origin -- I: insertion	Nerve	Vascular
Temporalis	O: temporalis fossa and lateral surface of skull I: coronoid process	temporal branch of C5 - V3	auricular temporal branch of maxillary art.
Masseter	O: lower border of zygoma I: lateral surface of Mandibular ramus (superficial runs posteriorly, deep runs anteriorly)	C5 - V3	masseteric branch of maxillary art. And facial art.
Medial Pterygoid	O: pterygoid fossa (deep: lateral pterygoid plate, superficial: tuberosity of maxilla) I: medial surface of ramus	medial pterygoid branch of C5 - V3	medial pterygoid branch of maxillary art.
Lateral Pterygoid • Superior head	O: infra temporal surface of the greater wing of the sphenoid I: articular capsule and the disc (a few fibers on the condyle)	Lateral pterygoid branch of C5 - V3	pterygoid branch of the maxillary art.
Lateral Pterygoid • inferior head	O: lateral surface of the lateral pterygoid plate I: pterygoid fovea of the condylar process (mand.)	Lateral pterygoid branch of C5 - V3	pterygoid branch of the maxillary art.
Sternocleidomastoid	O: sternum and clavicle I: mastoid process of temporal bone and occipital bone	accessory n.	

Suprahyoid • mylohyoid	O: mylohyoid line of mandible I: hyoid bone	mylohyoid branch of inferior alveolar n. C5 - V3	
Suprahyoid • digastric	Anterior: O: digastric fossa of mand. I: hyoid bone Posterior: O: hyoid bone I: mastoid notch of temporal bone	Anterior: mylohyoid n. Posterior: digastric branch of facial n.	
Suprahyoid • stylohyoid	O: styloid process I: hyoid bone	stylohyoid branch of facial n.	
Suprahyoid • geniohyoid	O: inferior mental spine on medial surface of mand. I: hyoid bone	1st Cervical n. via the hypoglossal	
Infrahyoid • sternohyoid	O: clavicle I: hyoid bone	branch of ansa cervicalis	
Infrahyoid • omohyoid	O: scapula I: intermediate tendon (forming the superior and inferior belly) up to the hyoid bone	branch of ansa cervicalis	
Infrahyoid • sternothyroid	O: sternum and 1st rib I: thyroid cartilage	branch of ansa cervicalis	
Infrahyoid • thyrohyoid	O: thyroid cartilage I: hyoid bone	1st cervical n. via the hypoglossal	

Trapezius	O: external occipital protuberance and the middle third of the nuchal line of the occipital bone I: clavical and scapula	spinal accessory n.	
Scalenes	O: Transverse processes of C3-C6 I: 1st and 2nd rib	upper cervical n.s	
Splenus capitus	O: spinous process of C7 and T1-3. Directed upward I: lateral third of nuchal line of occipital bone and the mastoid process of temporal bone	middle cervical n.s	
Semispinalis capitis	O: C4-T6 directed upward I: nuchal lines of occipital bone	cervical n.s	
Suboccipital muscles • rectus capitus posterior major and minor • obliquus capitis inferior and superior	• O: atlas, directed upward I: inferior and lateral of the nuchal line of the occipital bone • O: axis, directed upward I: atlas, then up to the inferior and lateral of the nuchal line of the occipital bone	suboccipital n. (1st cervical n.)	



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