

AXIAL MUSCLES OF HEAD

Revised 20 Oct 2016

S&M, p. 209, Martini 5th, 320-335, Kapit and Elson: pl 27-26, Martini 6th: 340-357, Martini 7th: 334-349, 8th: 341-358, 10th: 345-351

600+ muscles in body, named for:

shape	location	action	attachments
divisions	number	relationship	size

HEAD AND NECK: (p 345) facial muscles move skin, not bone, facial expression.

They arise fr bone or superficial fascia, insert into skin.

orbicularis oculi ["rut, little, of the eye"]
sphincter around eye, winks, squints, closes

orbicularis oris ["rut, little, of the mouth"]
closes mouth, purses lips

epicranium: moves scalp. two parts:

frontalis

occipitalis attach to galea aponeurotica,

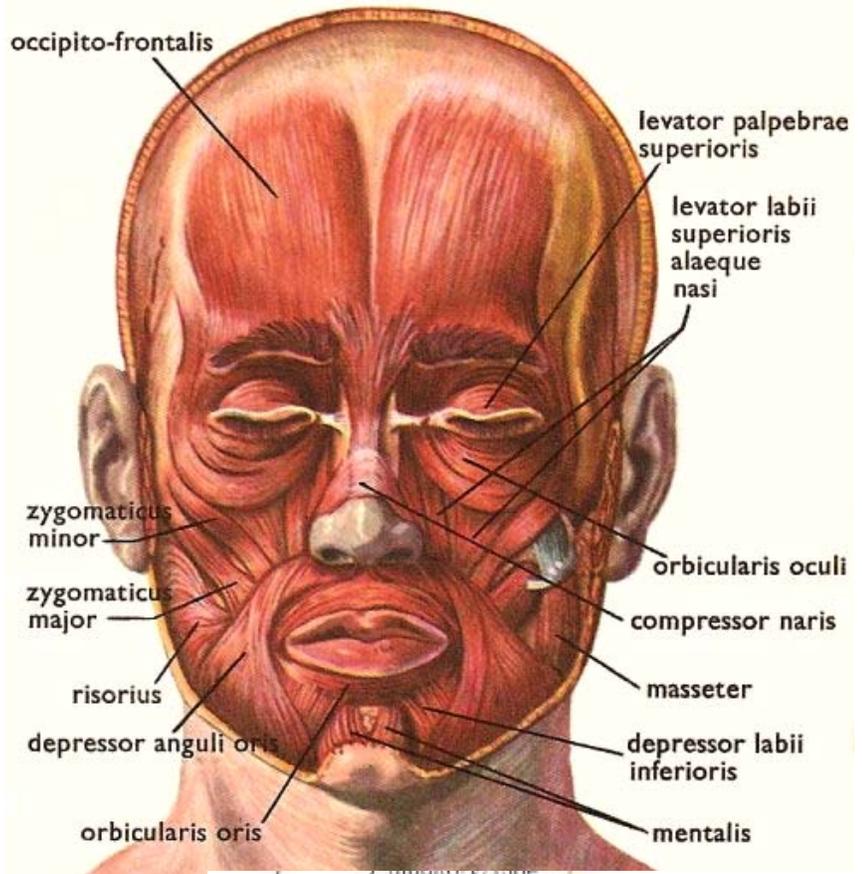
corrugator ["together, fold"]
draws eyebrows together, frown

mentalis ["of the chin"]
pouting muscle

risorius ["laughter"]
draws mouth laterally

zygomaticus (major & minor) ["join"]
raise angle of mouth, smiling. Get tired smiling.

platysma ["flat"] (p 345)
superficial muscle of neck, orig in fascia of deltoid & pectoralis tightens neck, depresses mandible. Forms line when you tighten neck-jaw



MASTICATION: (p348, 349)

temporalis **origin** frontal, temporal, parietal
insertion coronoid process and mandibular ramus (near articulation with mandibular fossa) fan shaped

masseter ["chew"] **origin:** zygomatic arch
insertion: angle and ramus of mandible

pterygoid, lateral and medial: positions jaw, side wise grinding, protrusion of jaw

buccinator ["cheek"] positions food for chewing

Tongue: many have "gloss-" in name: **intrinsic** (shape the tongue) and **extrinsic** (movement of the tongue)

THROAT: (p 350, 345 under platysma)
sternocleidomastoid **origin:** manubrium & clavicle
insertion: mastoid process. Major muscle of neck, marks anterior, posterior triangles of neck.

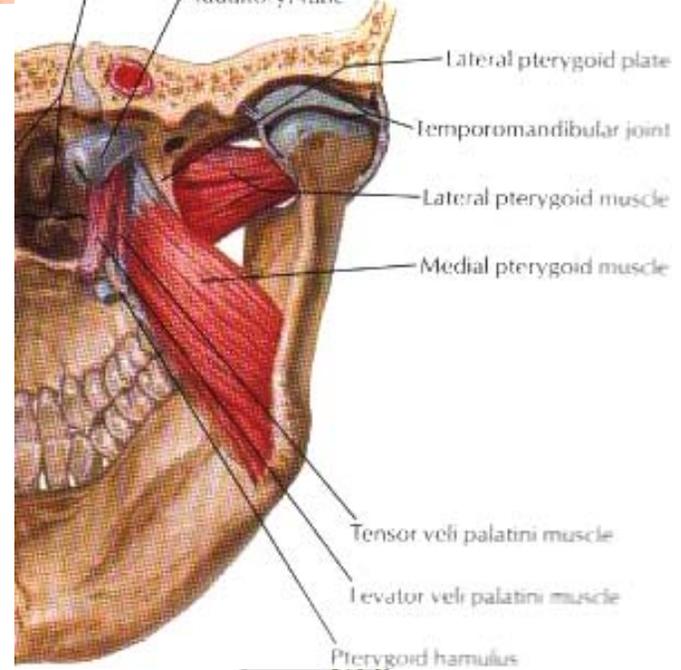
Anterior triangle of neck deep muscles, move the hyoid bone:
suprahyoid attaches to styloid process, mandible, inserts into hyoid ["above U shape like"] **raises hyoid** during swallowing

infrahyoid attach to manubrium, clavicle, ["below U shape like"] thyroid cartilage of larynx, etc, **pulls down hyoid** and larynx following swallowing

Posterior triangle of neck: posterior border: **trapezius**, lower: **clavicle**, front: **sternocleidomastoid**.

Scalenes fr top 2 ribs to transverse process of cerv. vert
splenius capitis "bandage muscle," holds down deeper muscles of posterior neck (p 360, 349), rotate, flex neck
insert mastoid process, occipital and transverse proc of 1st 3 cerv vert.

origin upper thoracic spinous processes, **7th cerv vert**
and nuchal ["back of the neck"] ligament: sail-like ligament, attach to midline of occipital and spines of cervical vertebra.
anchors many post neck muscles, inhibits neck fr flexion.



Lateral Neck Muscles

