

AXIAL MUSCLES OF HEAD

11/19/81, rvsd 2 Dec 1999, 21 Nov 01, 17 Nov 03, 19Nov07, 17Nov08, 16Nov09, 15Nov10, 14Nov11
 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. 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

epicranii: moves scalp. two parts:

frontalis

occipitalis attach to galea aponeurotica,

corrugator [together, fold]

draws eyebrows together, frown procerus

wrinkles skin between eyebrows

mentalis [of the chin]

pouting muscle

risorius [laughter]

draws mouth laterally

zygomaticus major & minor [join]

raise angle of mouth, smiling

platysma [flat] (p 345)

superficial muscle of neck, orig in fascia of deltoid & pectoralis tightens neck, depresses mandible

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-" on name: intrinsic** (shape of tongue) and **extrinsic** (movement of tongue)

THROAT: (p 350, 345 under platysma)

sternocleidomastoid **origin:** manub & 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, moves up during swallowing

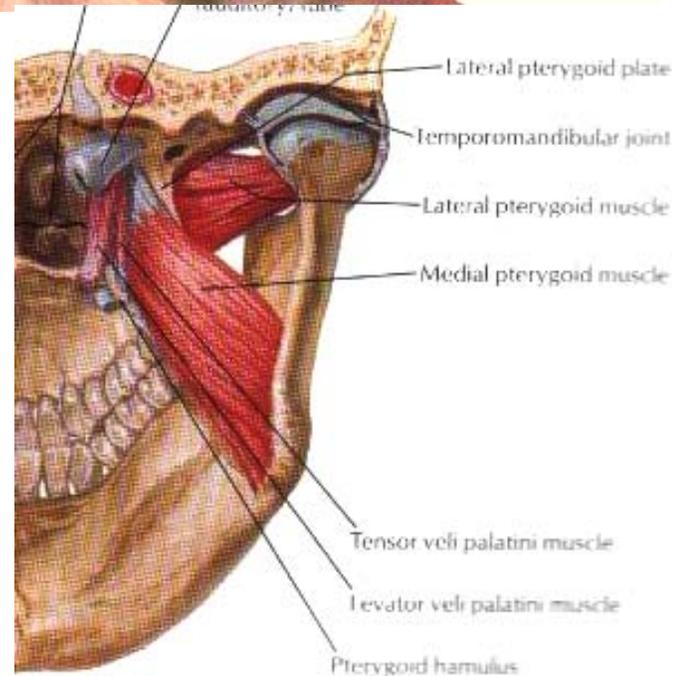
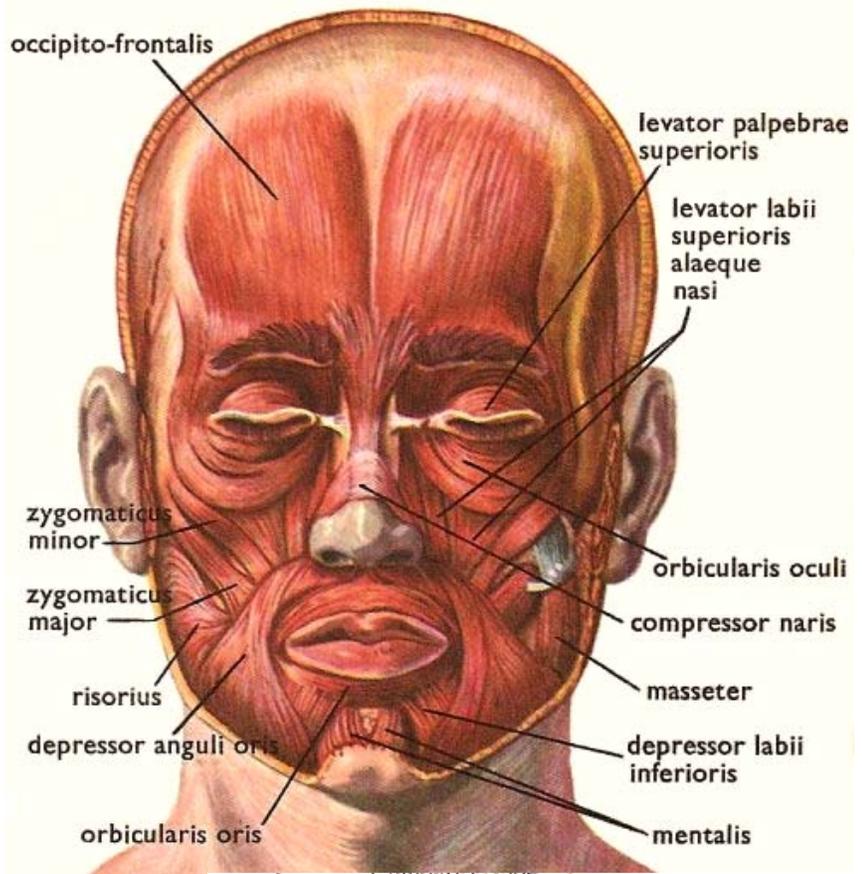
infrahyoid attach to manubrium, clavicle, thyroid cartilage of larynx, etc, pull down on hyoid and larynx following swallowing

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 ligamentum nuchae: [back of the neck] 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

