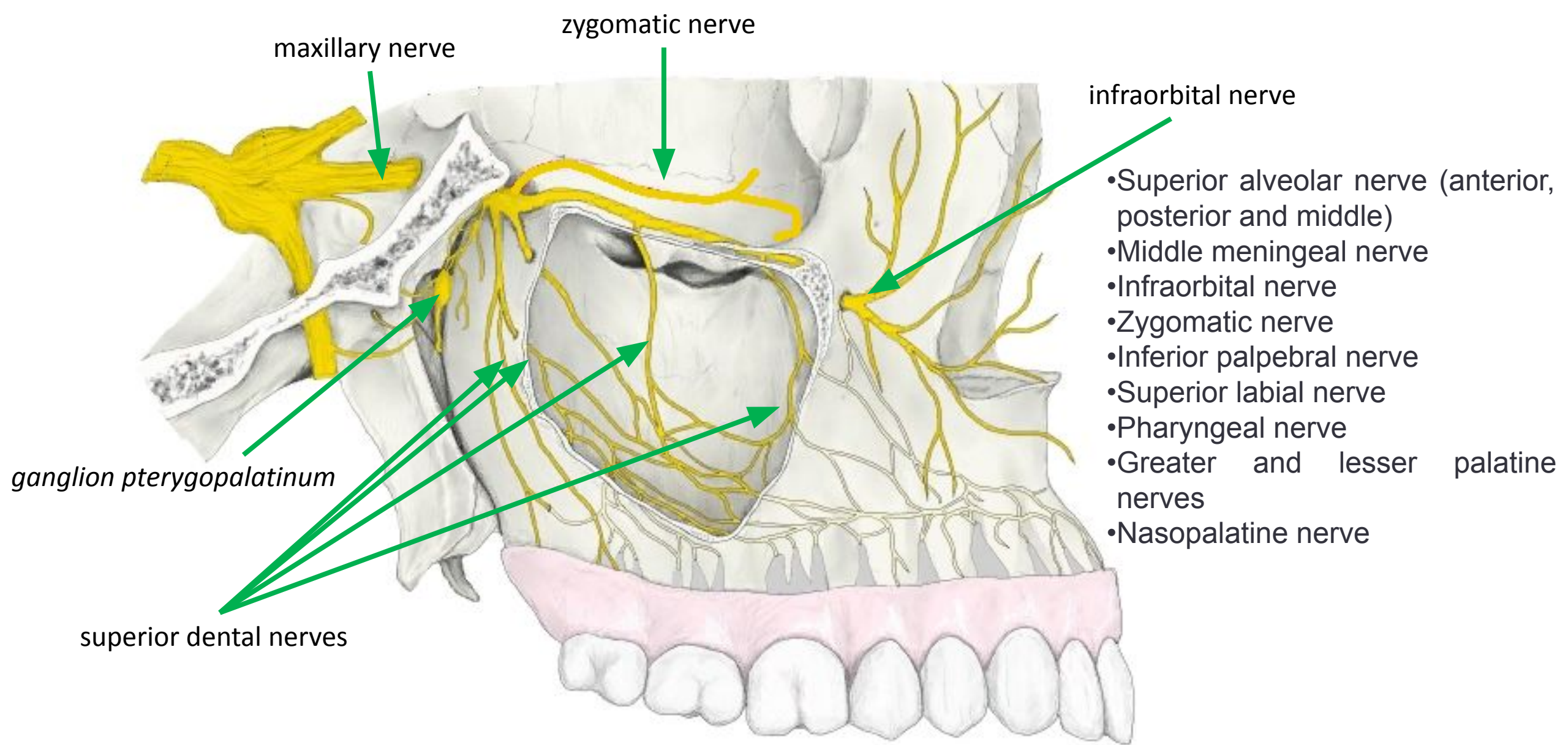
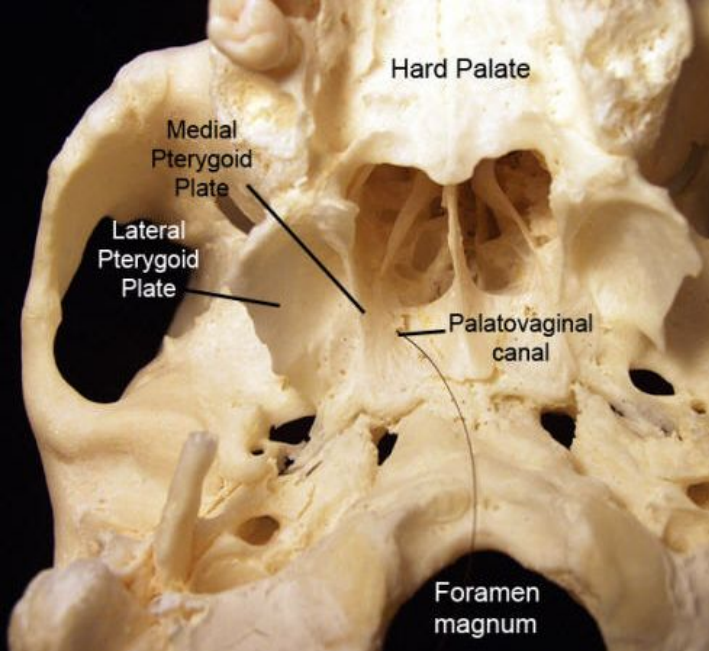
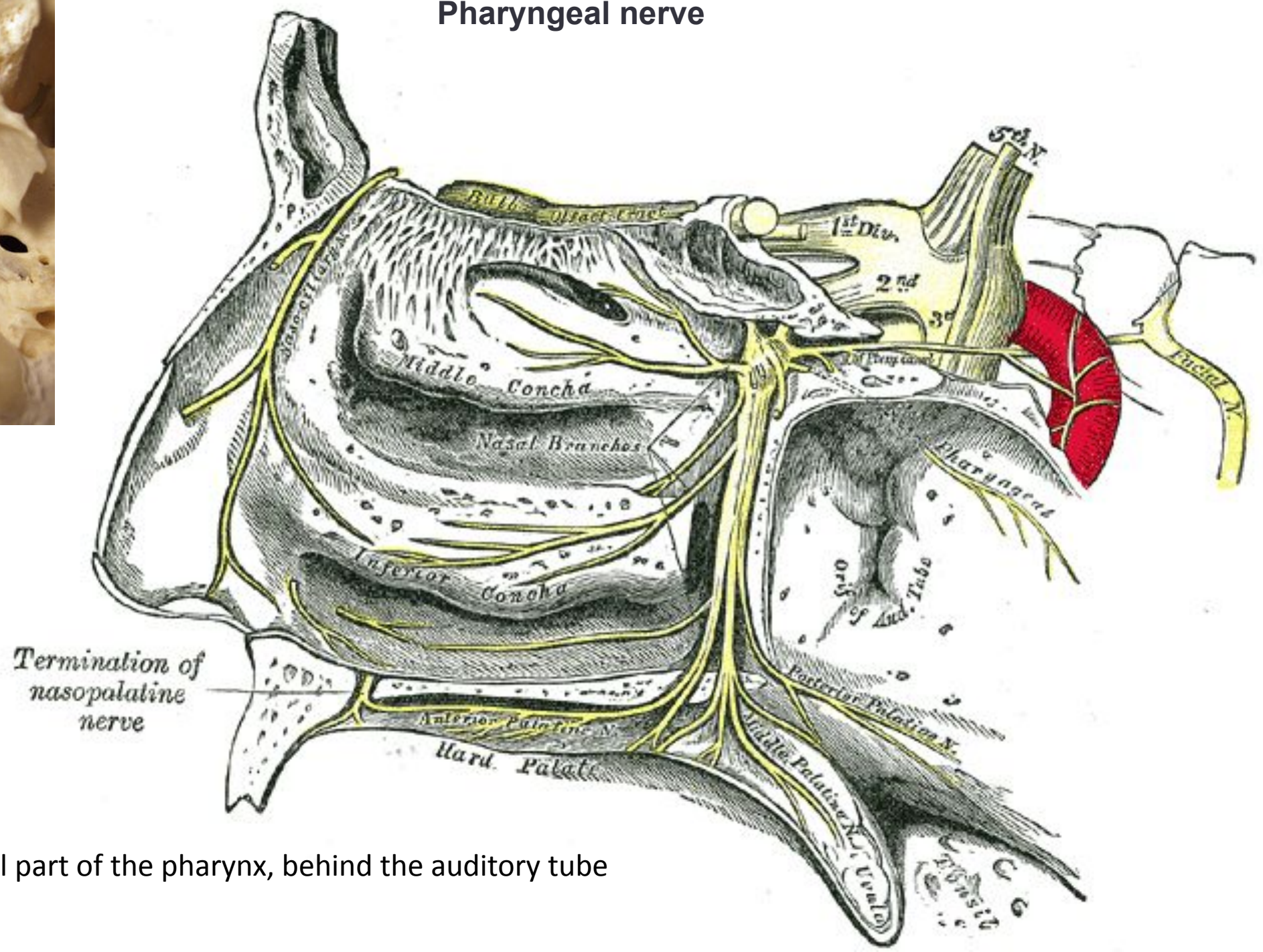


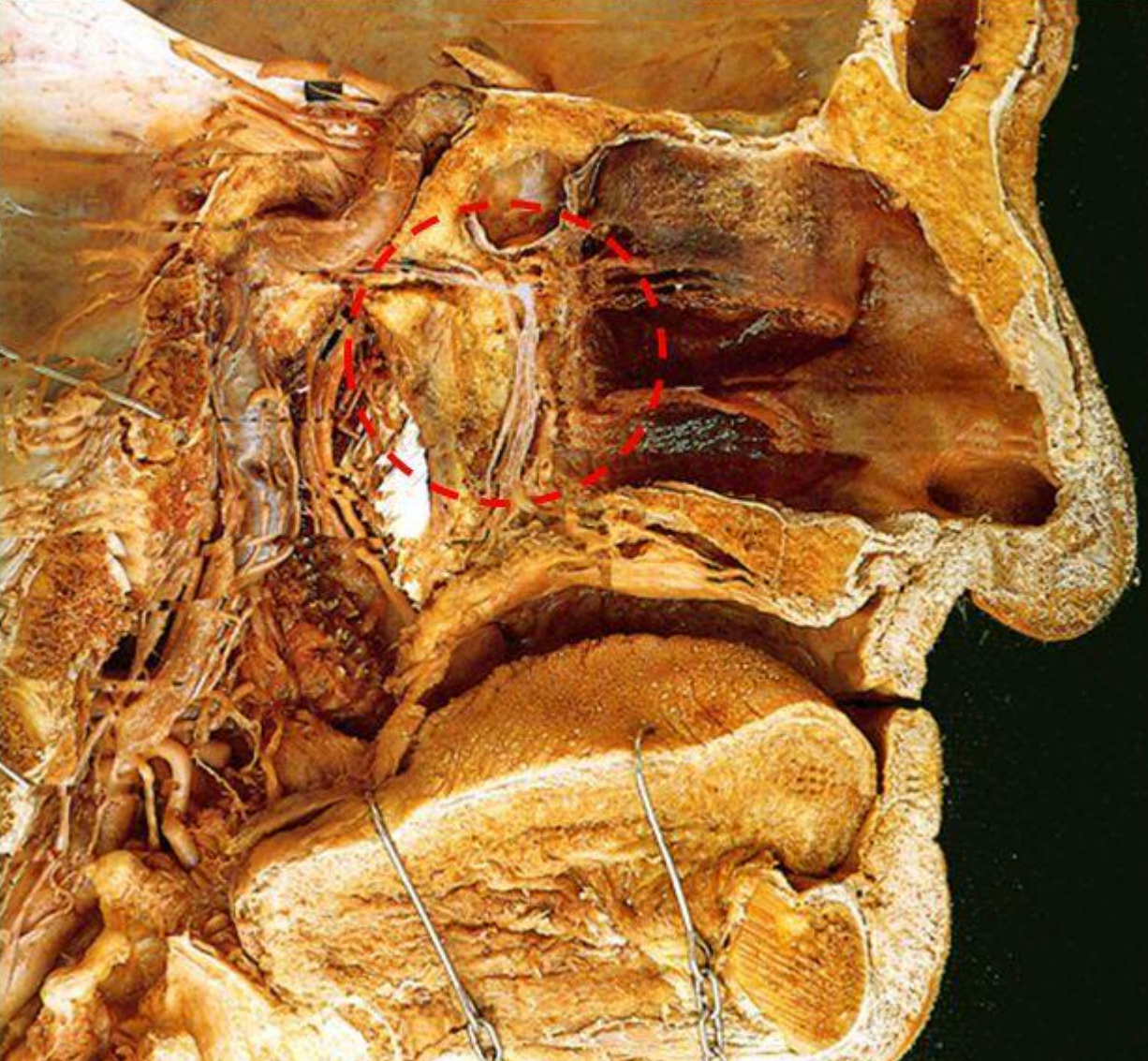




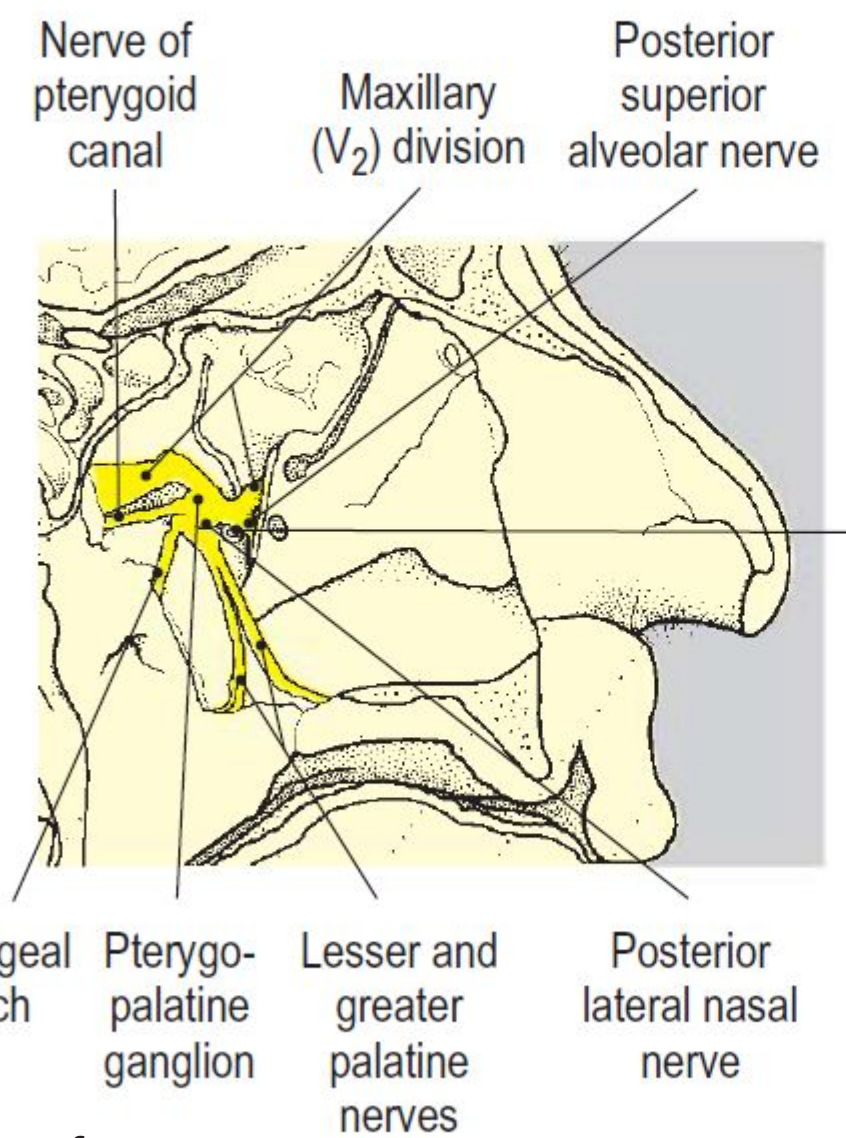
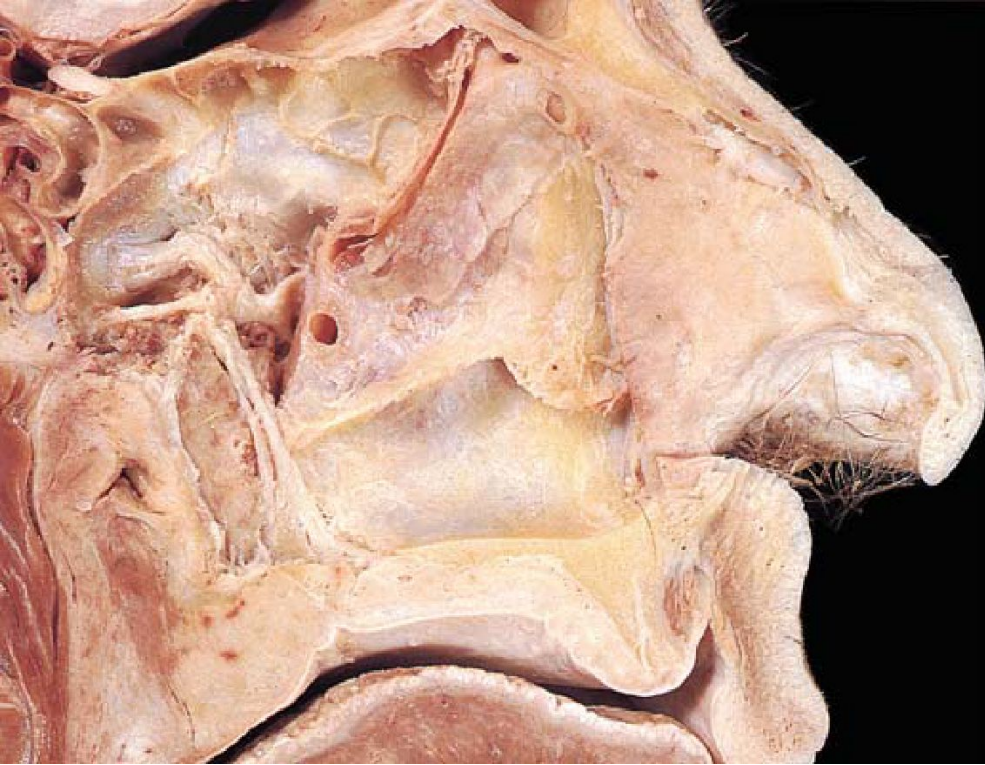
Pharyngeal nerve



mucous membrane of the nasal part of the pharynx, behind the auditory tube



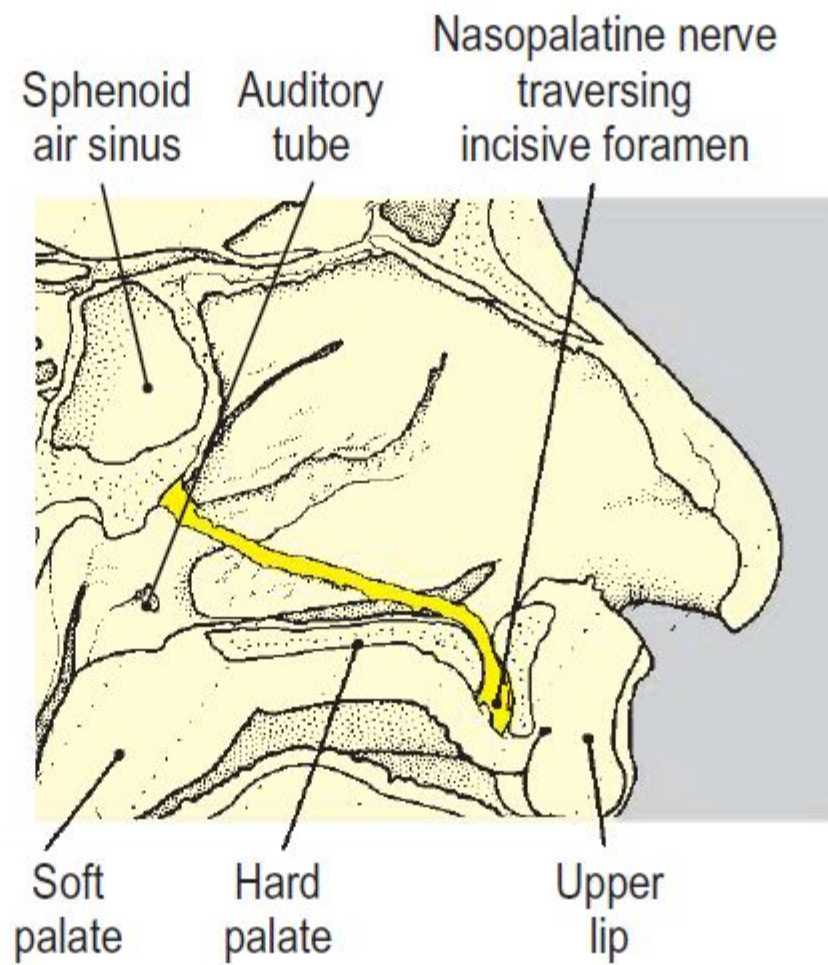
n. Intermedius - portio intermedia n. Facialis - n. petrosus major

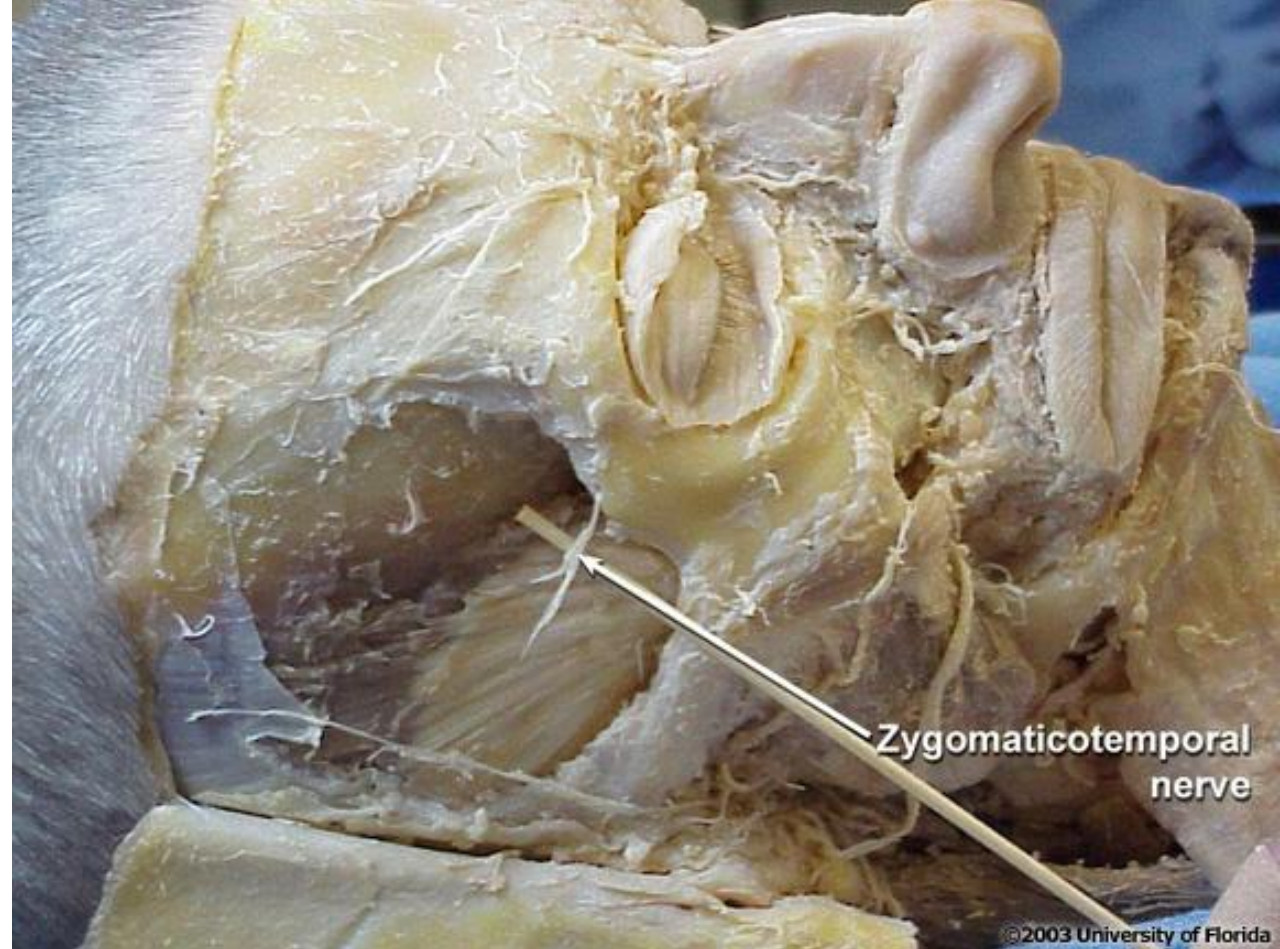
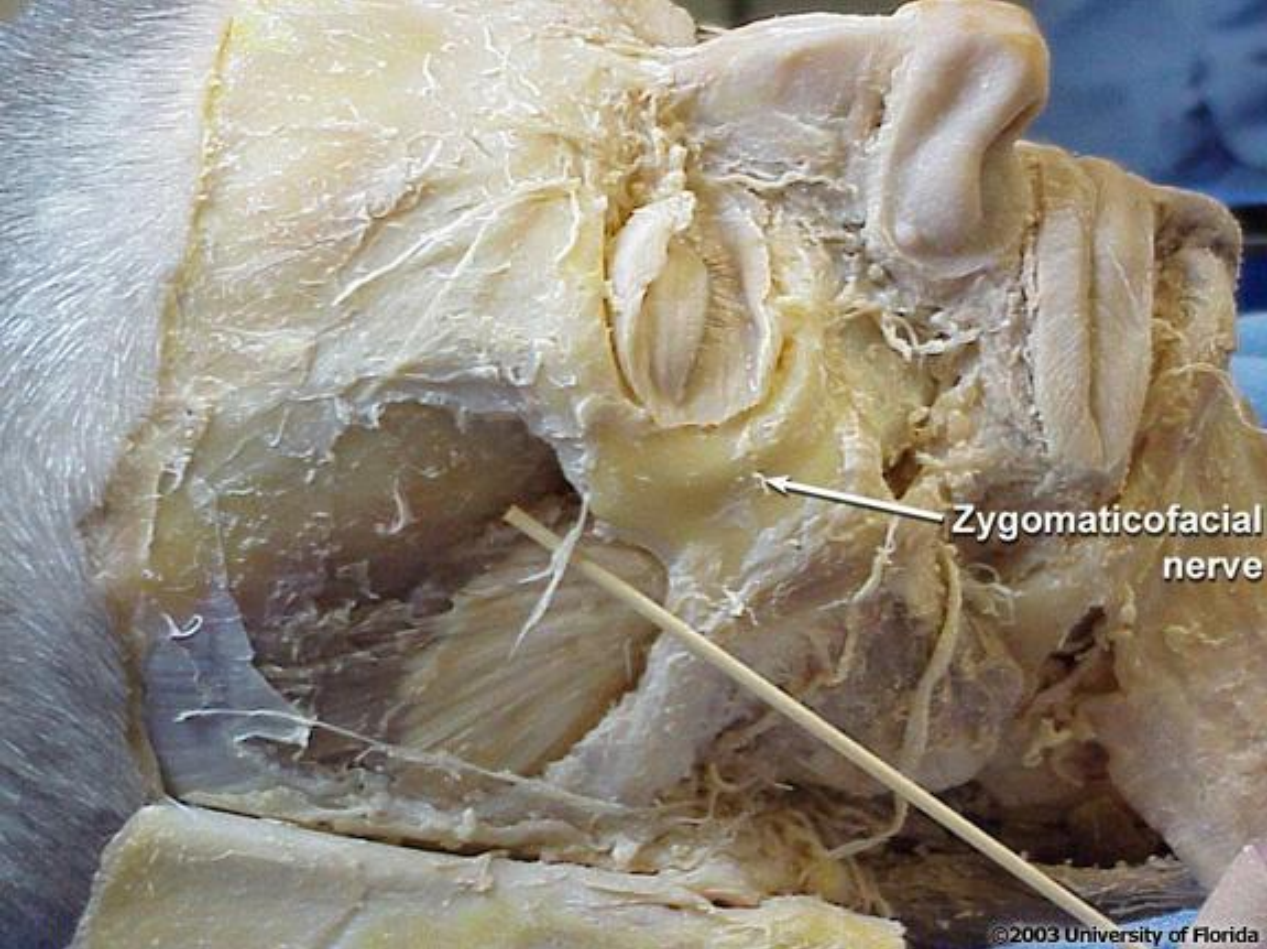


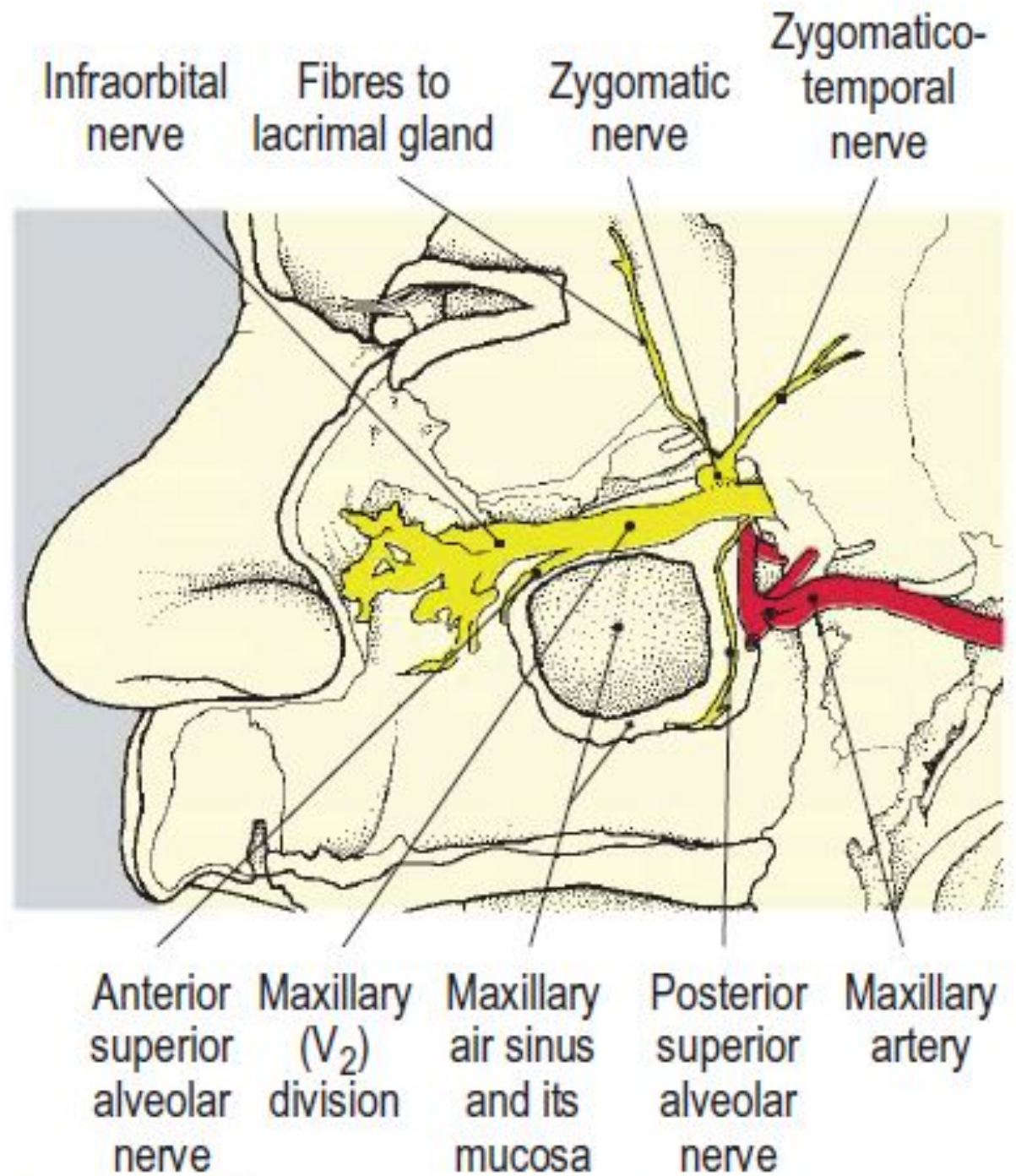
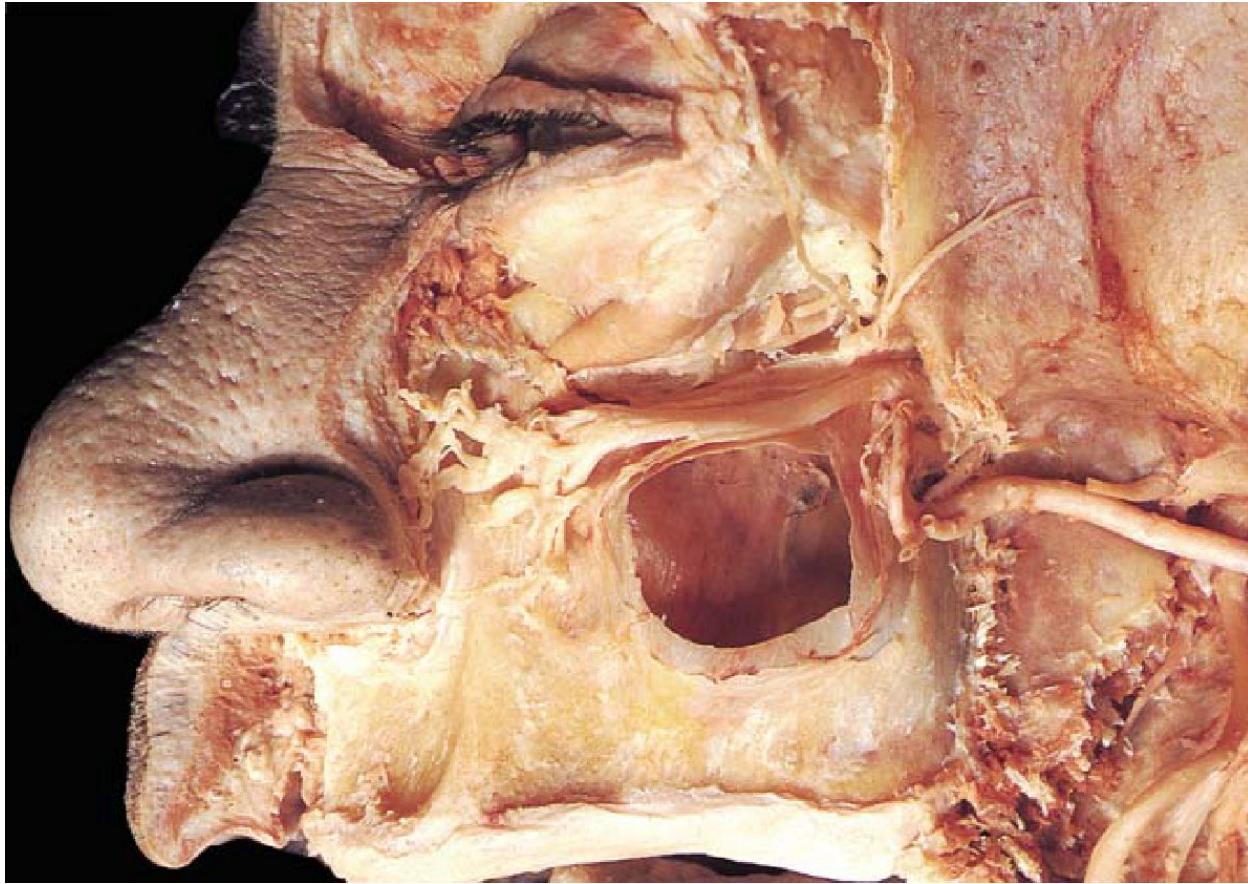
Medial view of the contents of the pterygopalatine fossa



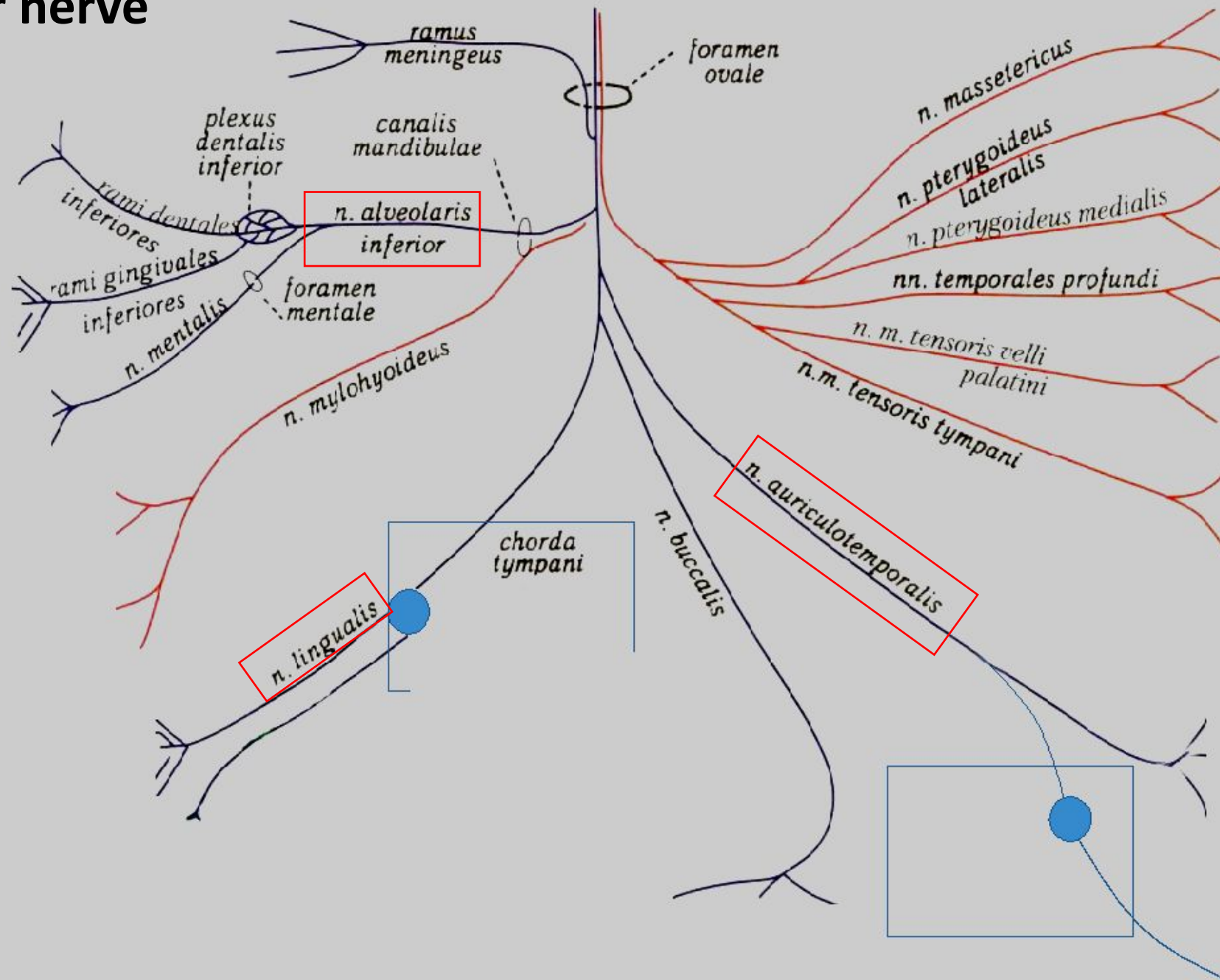
nasopalatine nerve

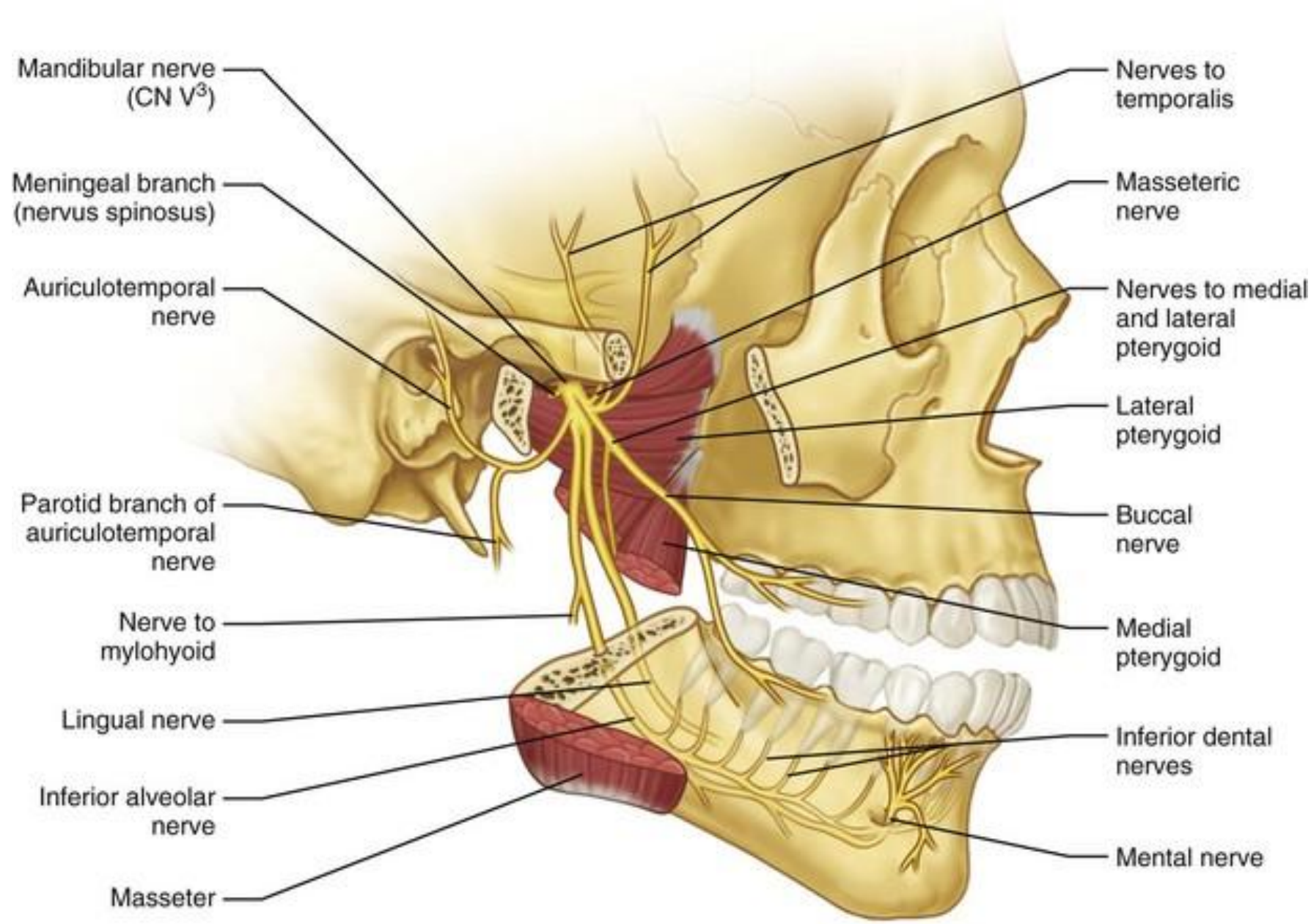






mandibular nerve





1. The buccal nerve (n. buccalis)
2. The lingual nerve (n. lingualis)
3. The inferior dental nerve (n. alveolaris inferior)
4. The auriculotemporal nerve (n. auriculotemporalis)

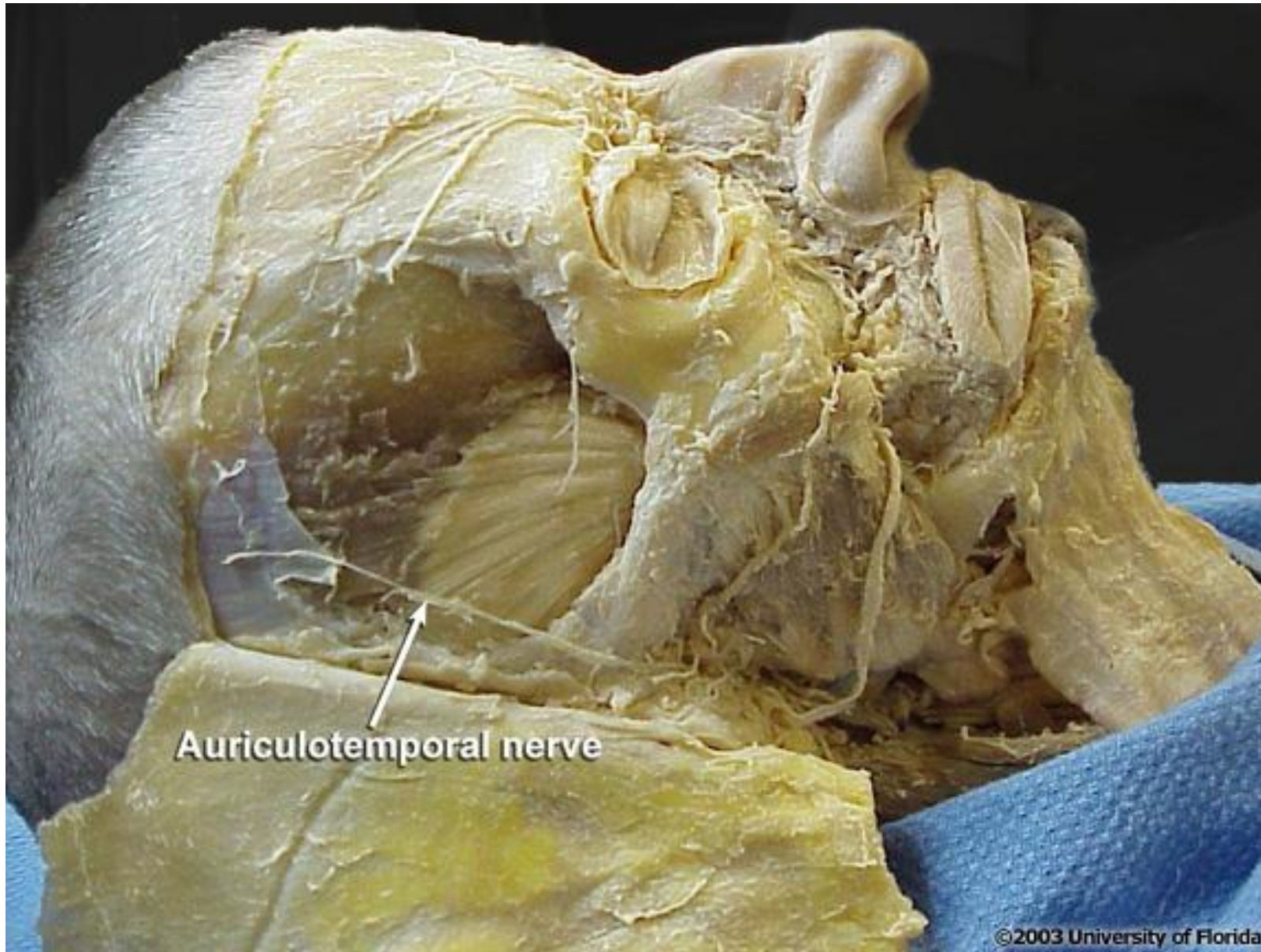
Muscle branches for innervation chewing muscles .

Buccal Nerve

- contains sensory fibres
the buccal membranes of the mouth (i.e. the cheek)
second and third molar teeth

Inferior Alveolar Nerve

- carries both sensory and motor axons: mylohyoid nerve - mylohyoid and anterior digastric muscles.
- sensory axons enter the mandibular canal - mandibular teeth.
- mental nerve - lower lip and chin



Auriculotemporal Nerve

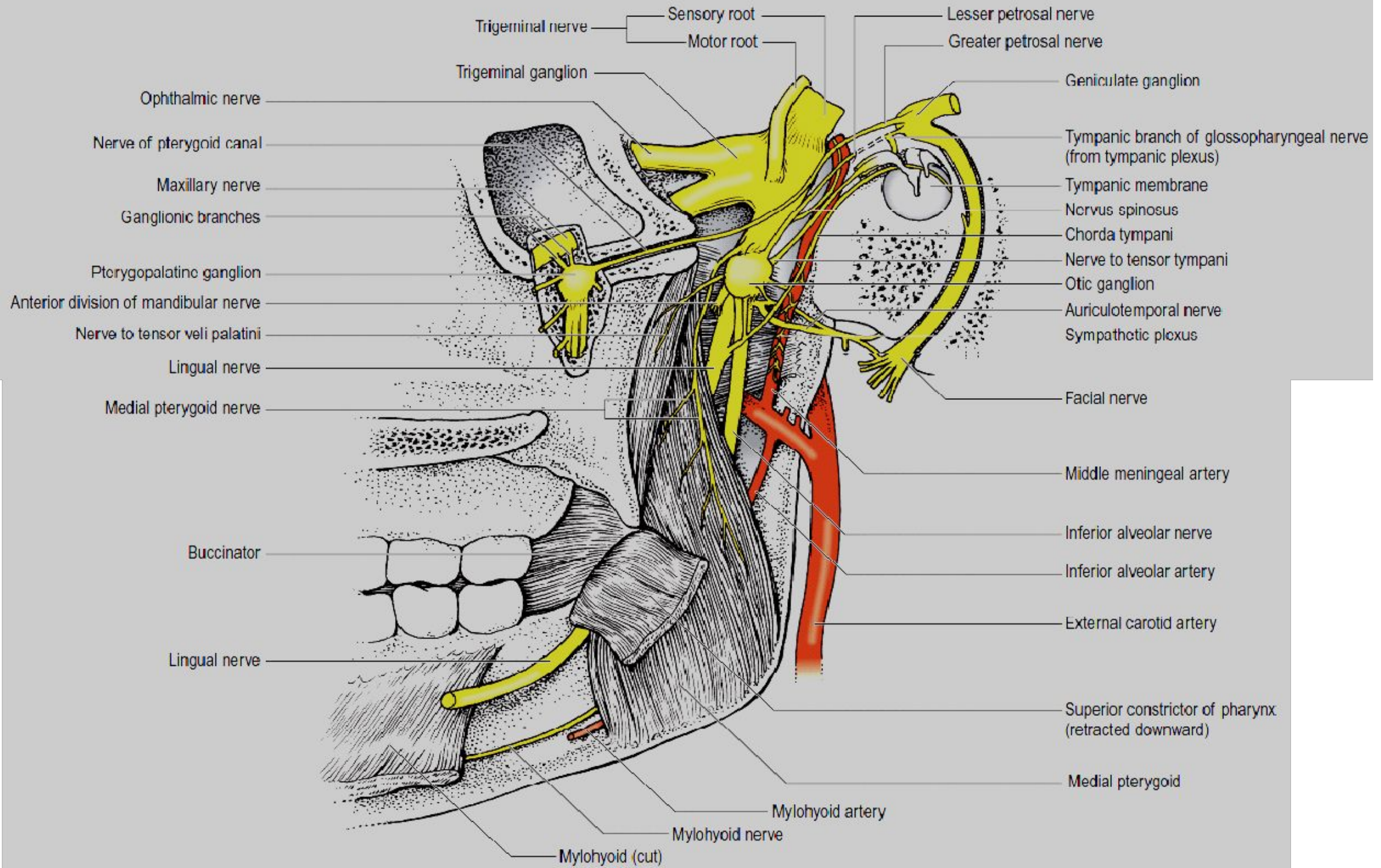
- Superior root – comprises sensory fibers.
- Inferior root – carries secretory-motor parasympathetic fibers, originating from CN IX, to the parotid gland.

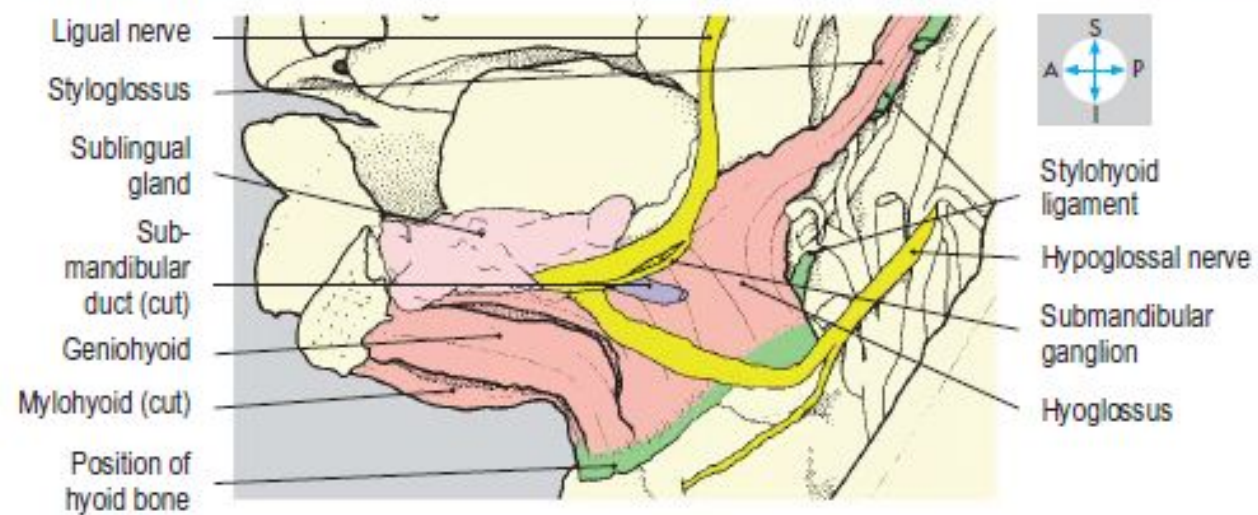
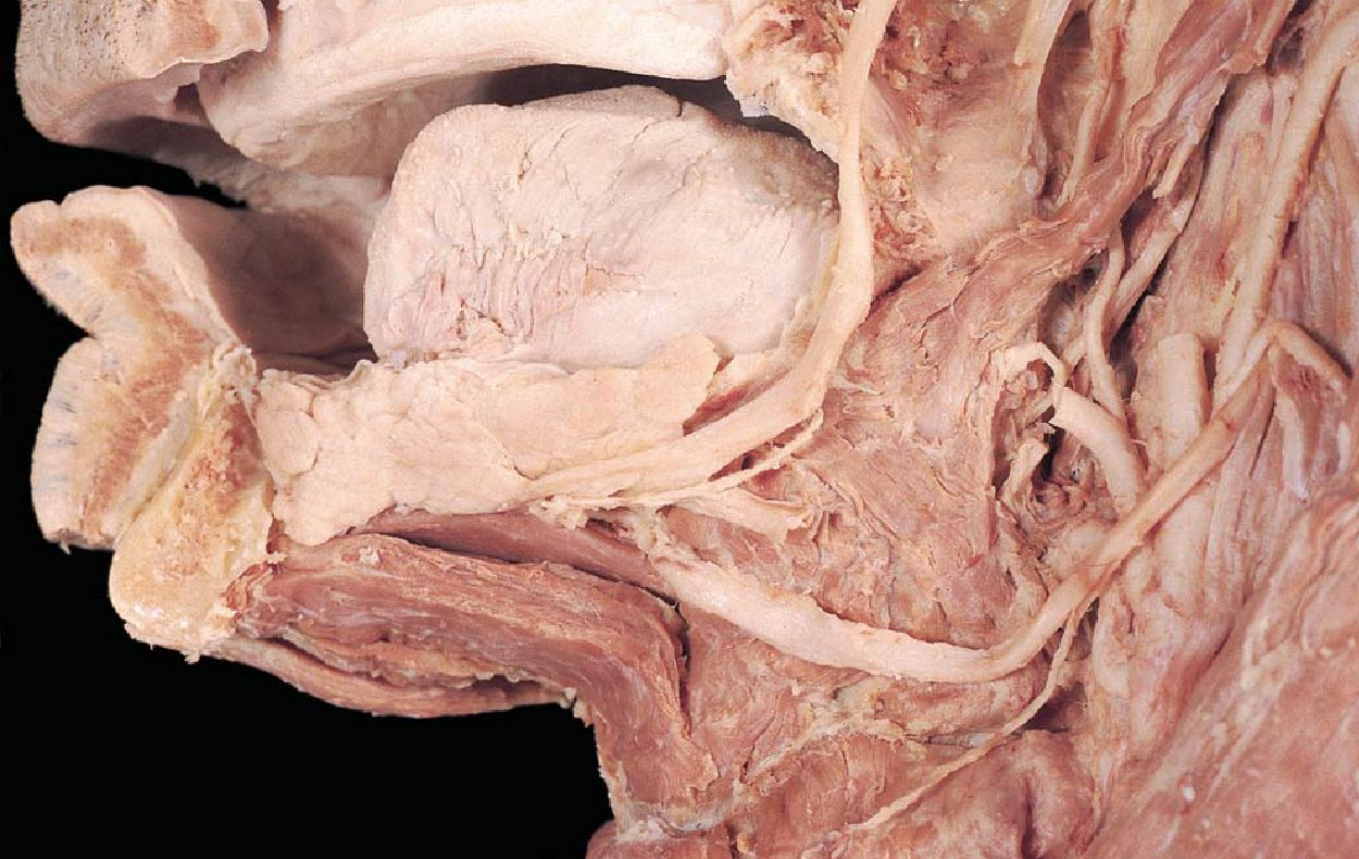
Anterior part of the auricle

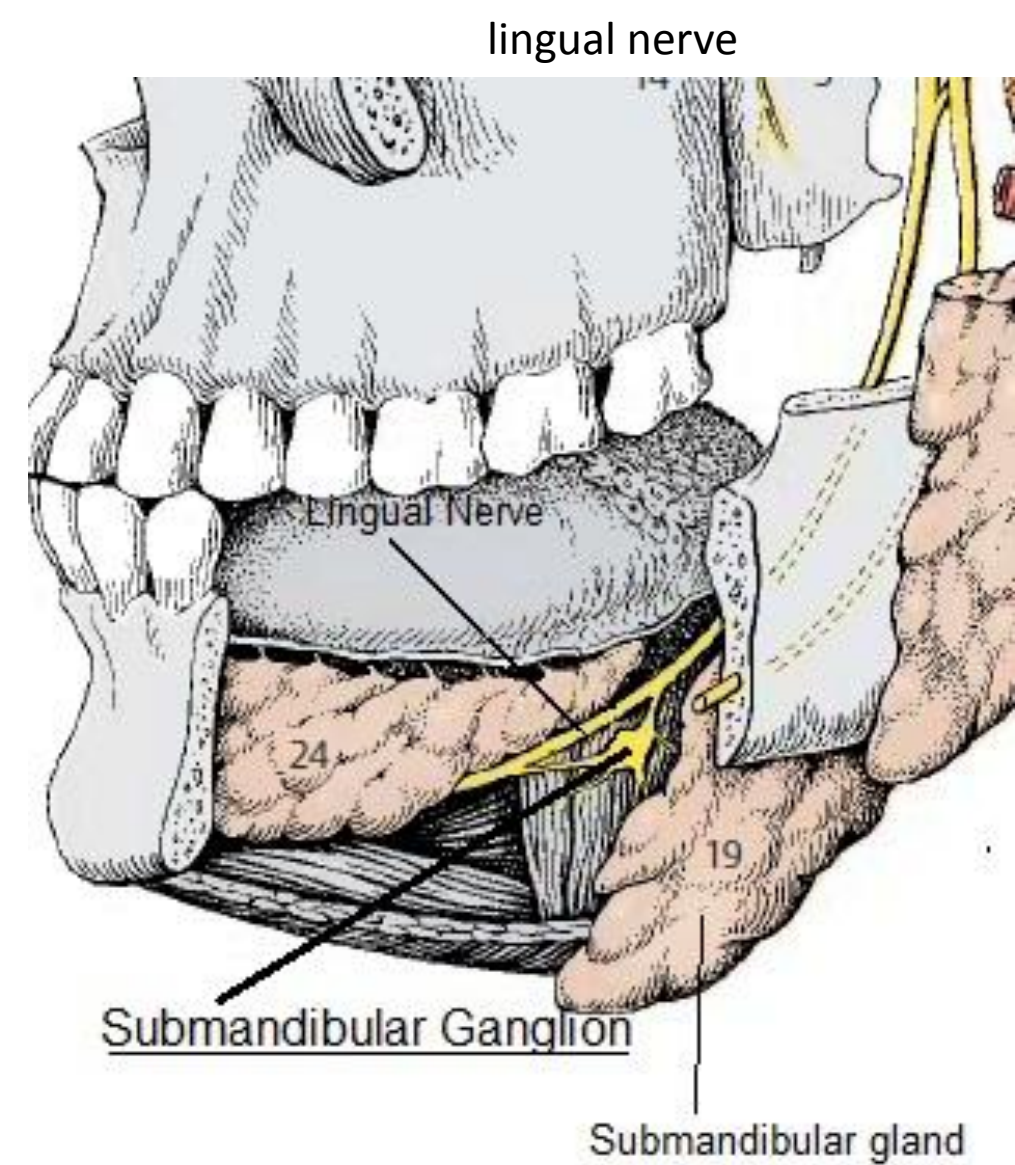
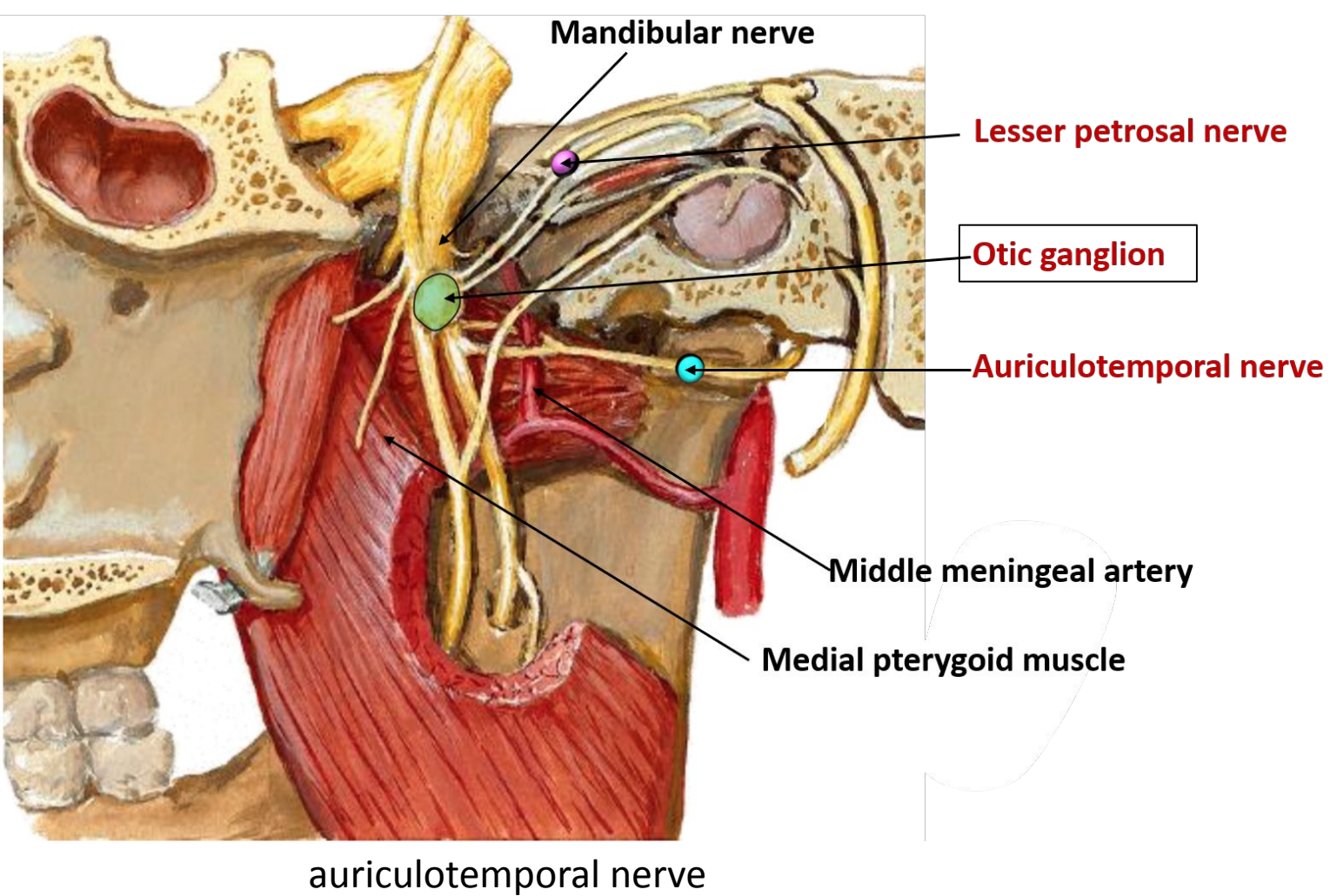
Lateral part of the temple

Anterior external meatus

Anterior tympanic membrane







Lingual Nerve

- carries general sensory axons + special sensory and autonomic fibers (chorda tympani (CN VII)) – tactile, pain and temperature of tongue + 2/3 anterior taste and mucus membrane lining its undersides.
- autonomic fibers branch - submandibular ganglion (submandibular and sublingual glands).

**MIDDLE
EAR**

**OTIC
GANGLION**



**RAMUS COMMUNICANS OF
OTIC GANGLION
FOR CHORDA TYMPANI
NERVE**

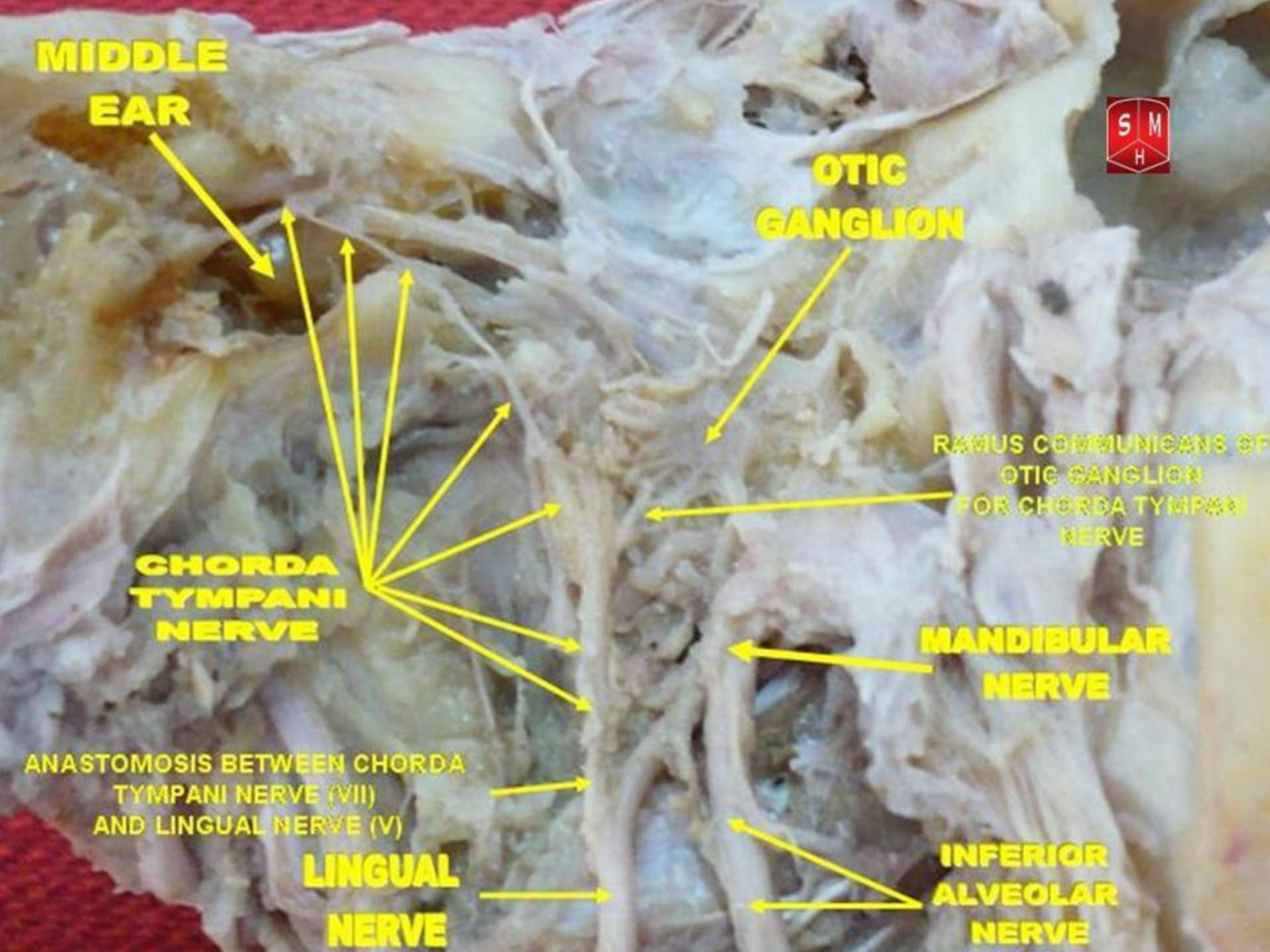
**CHORDA
TYMPANI
NERVE**

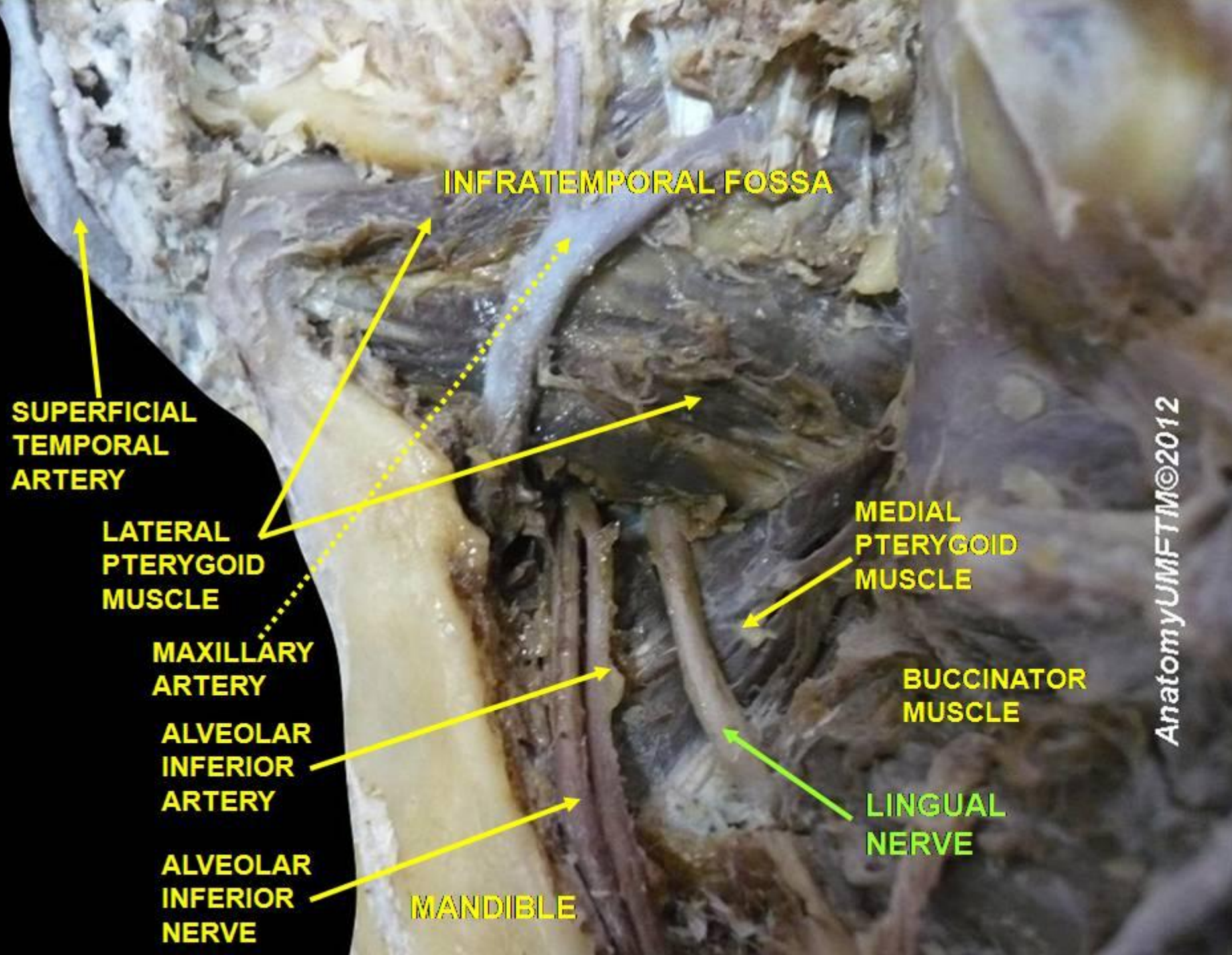
**MANDIBULAR
NERVE**

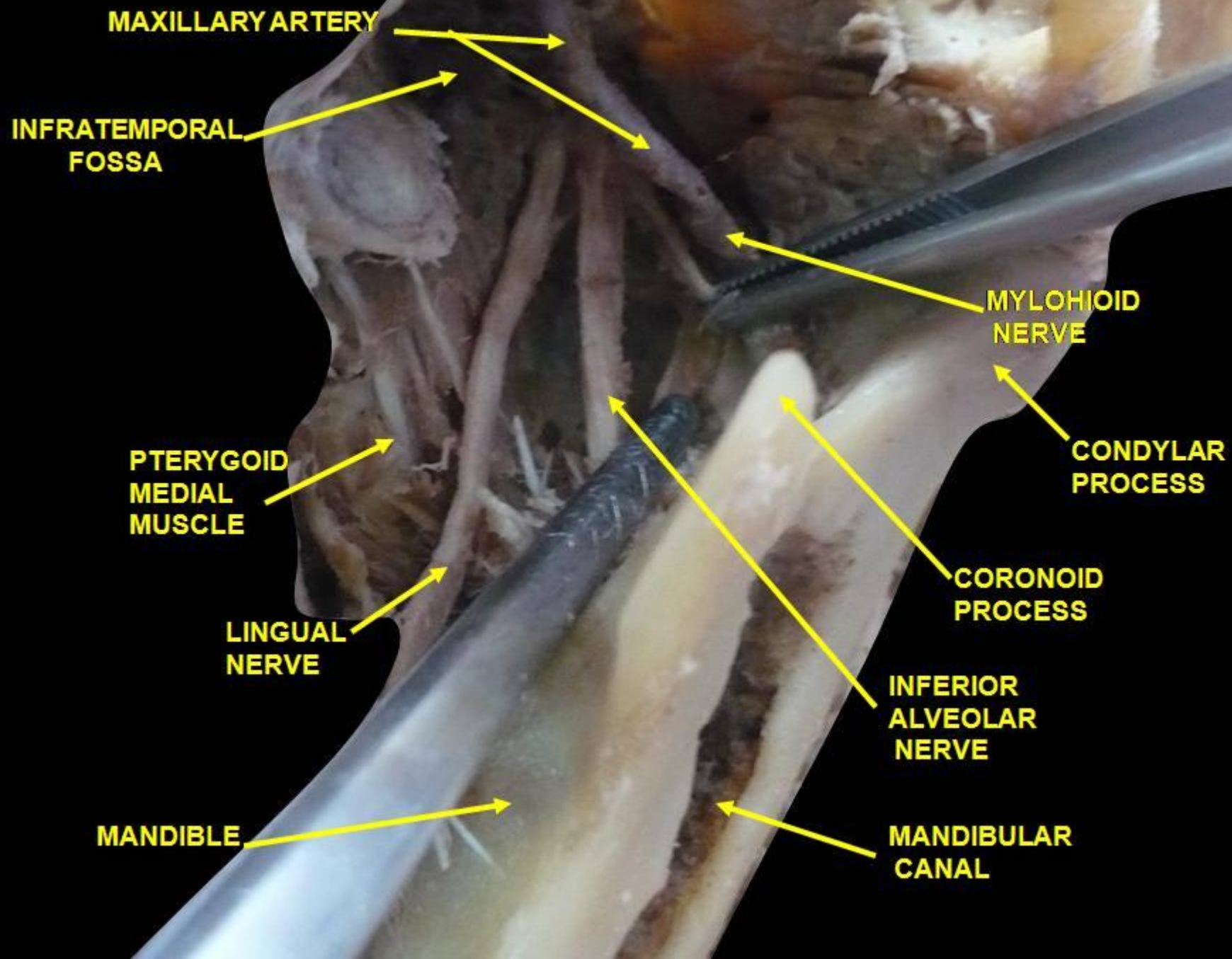
**ANASTOMOSIS BETWEEN CHORDA
TYMPANI NERVE (VII)
AND LINGUAL NERVE (V)**

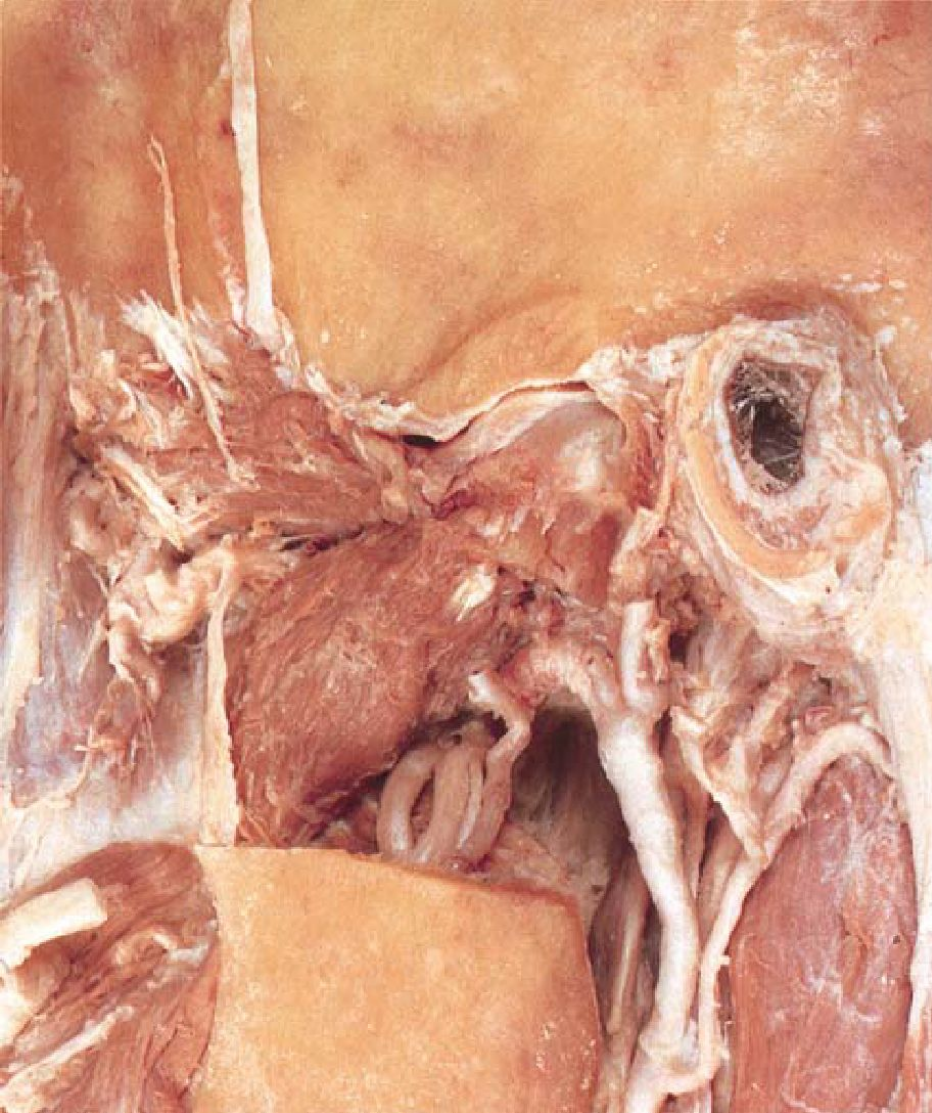
**LINGUAL
NERVE**

**INFERIOR
ALVEOLAR
NERVE**









Deep temporal
nerves

Lateral pterygoid

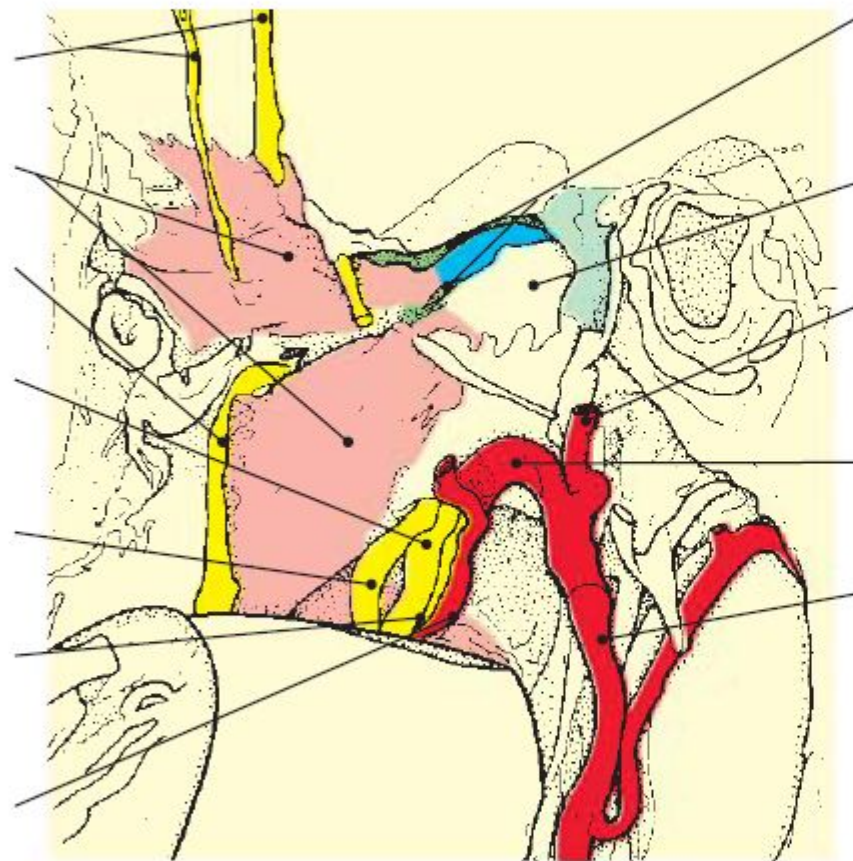
Buccal nerve

Inferior
alveolar nerve

Lingual nerve

Nerve to
mylohyoid

Inferior
alveolar artery



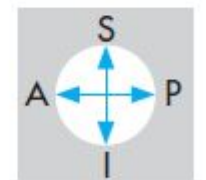
Upper and lower
joint cavities

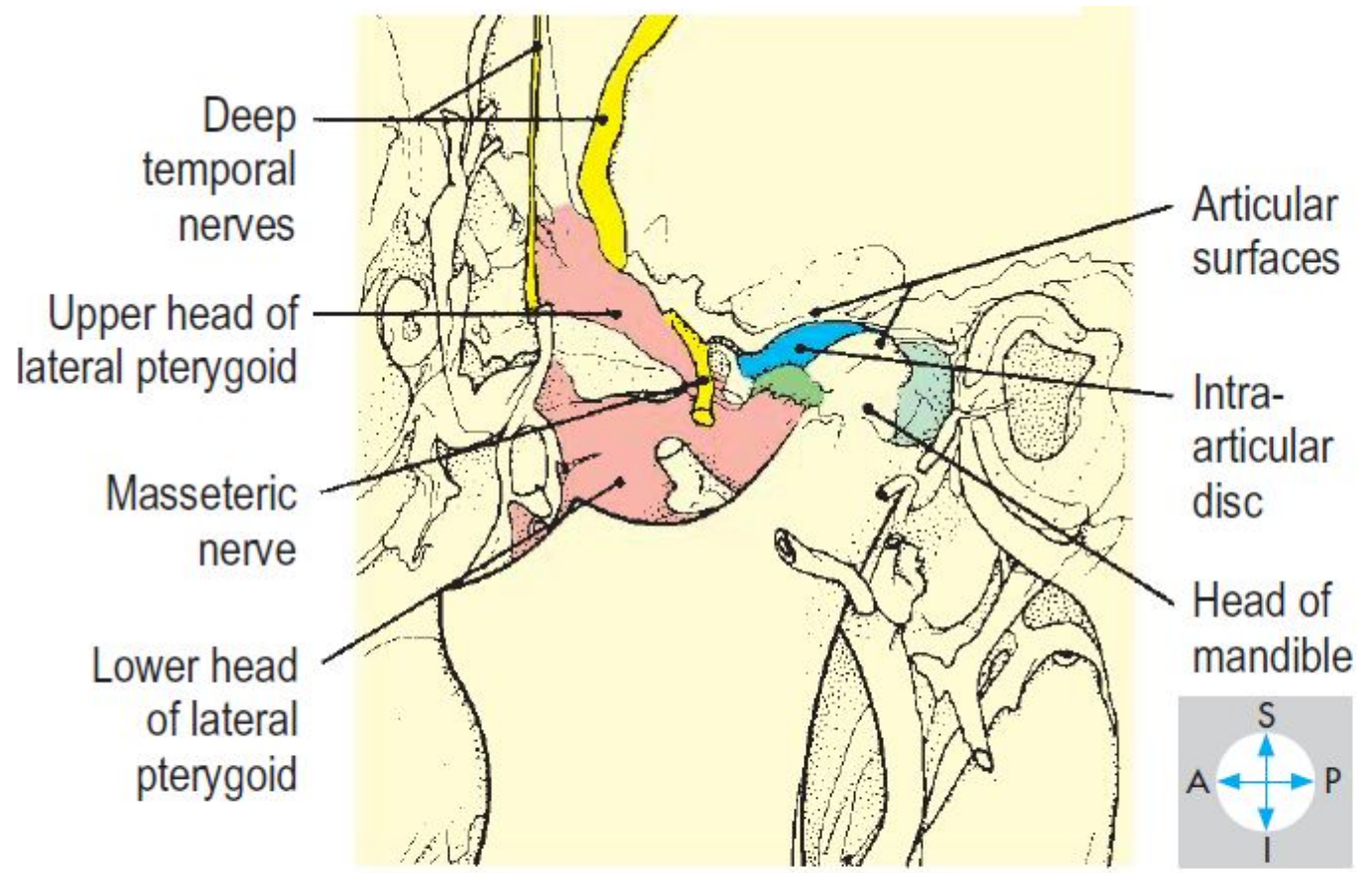
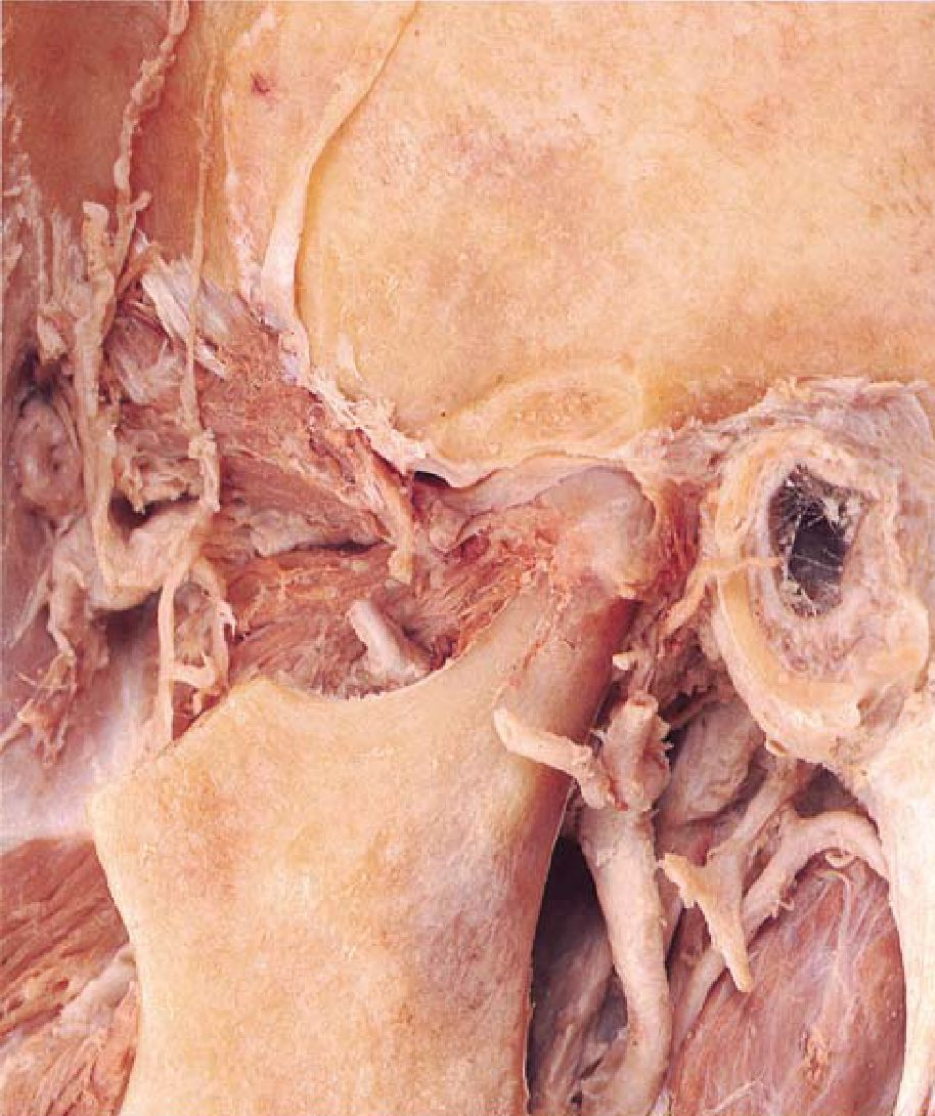
Head of
mandible

Superficial
temporal
artery (cut)

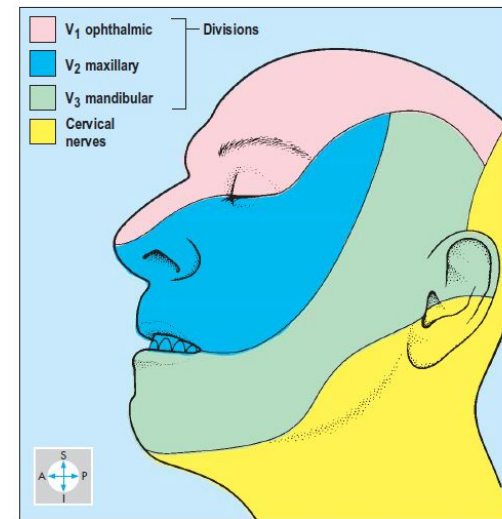
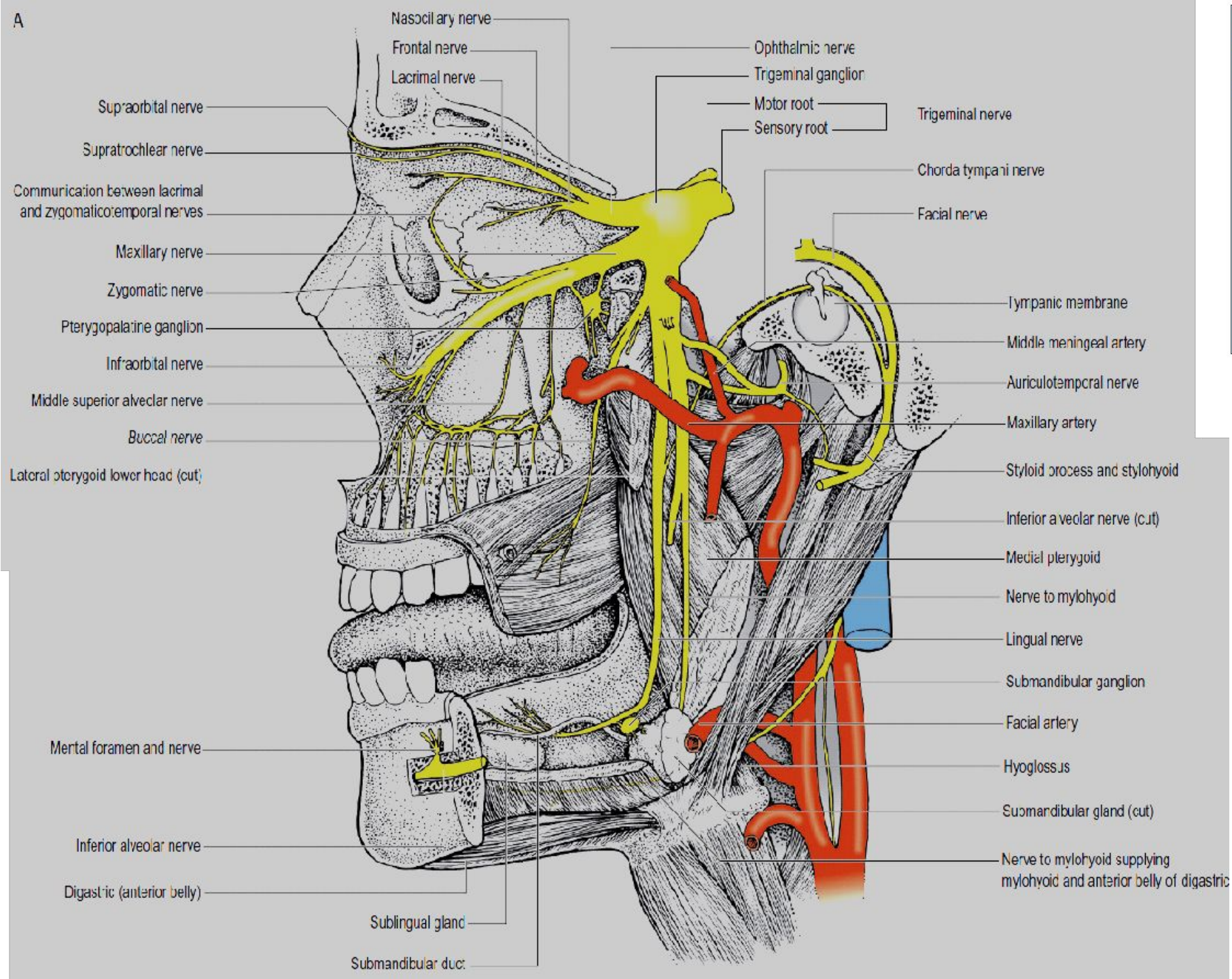
Maxillary
artery

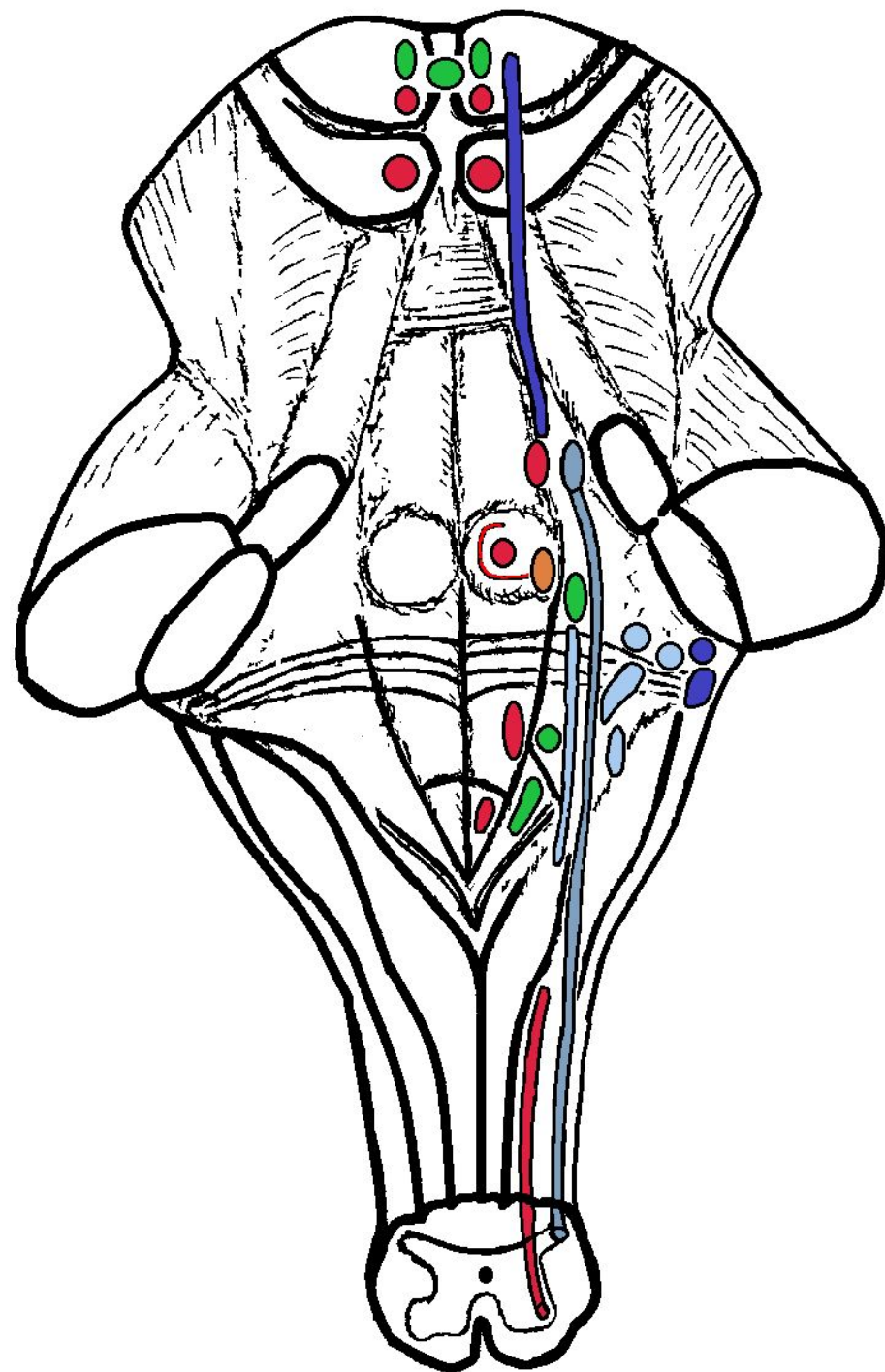
External
carotid artery





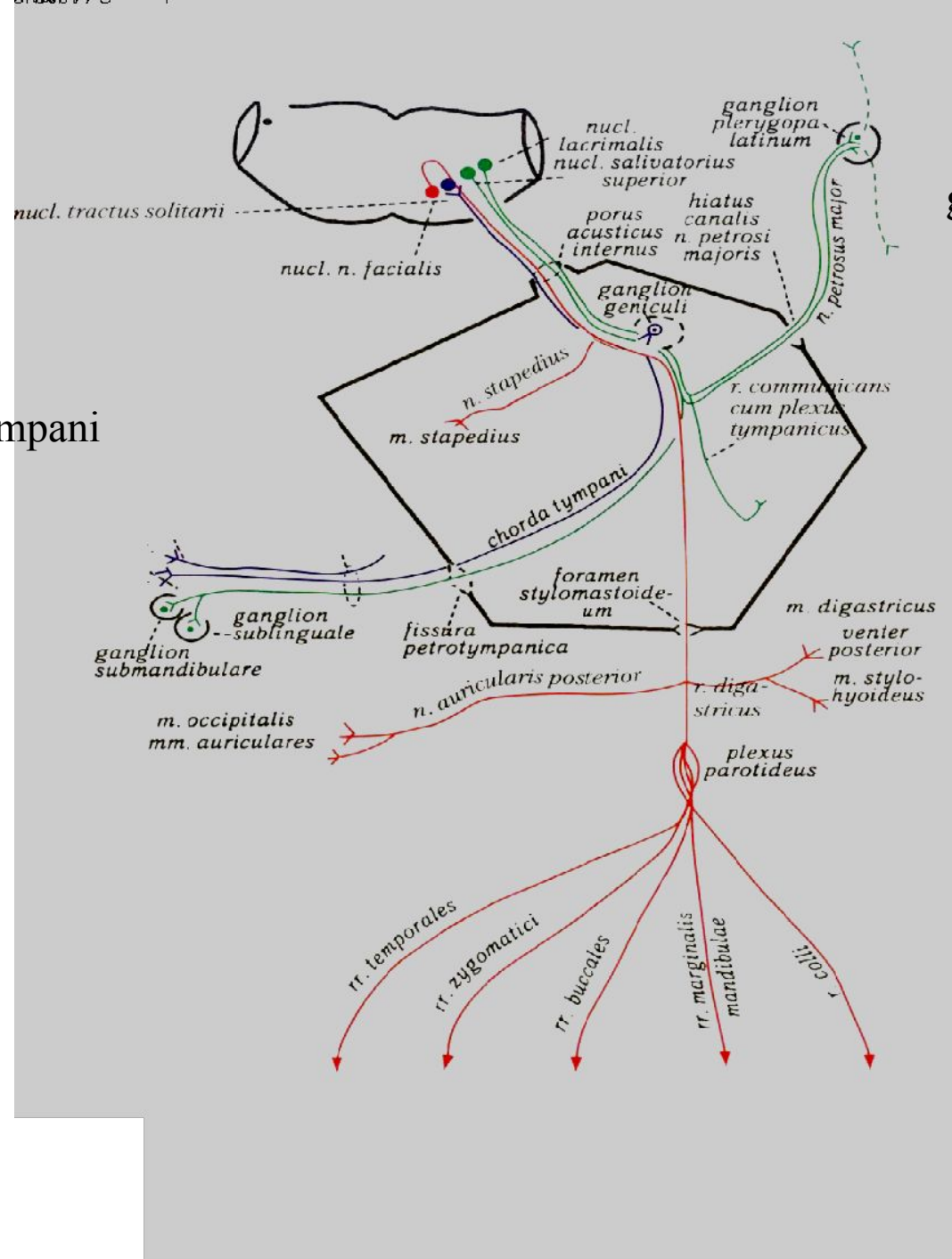
A



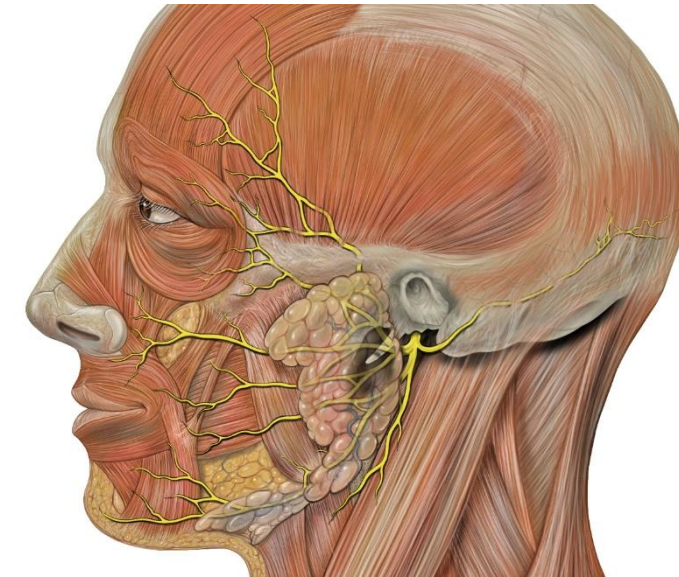


facial nerve

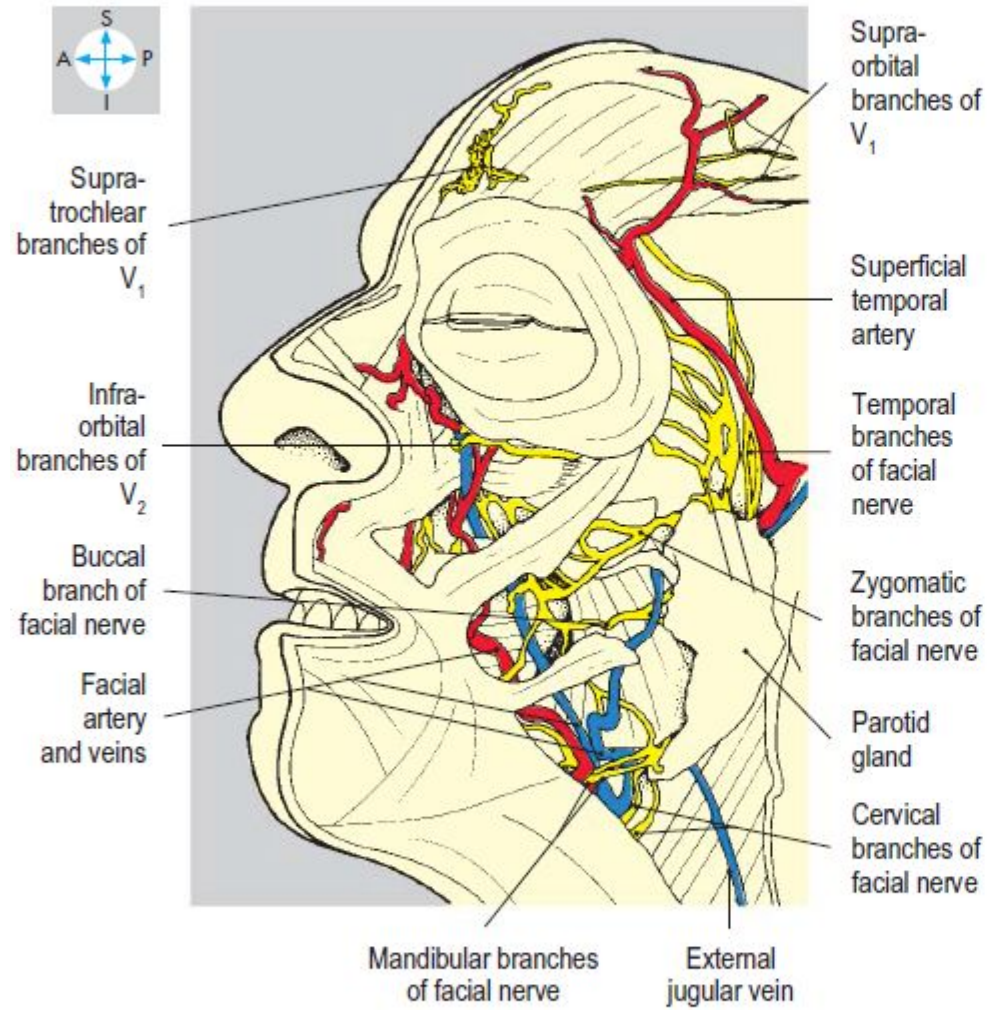
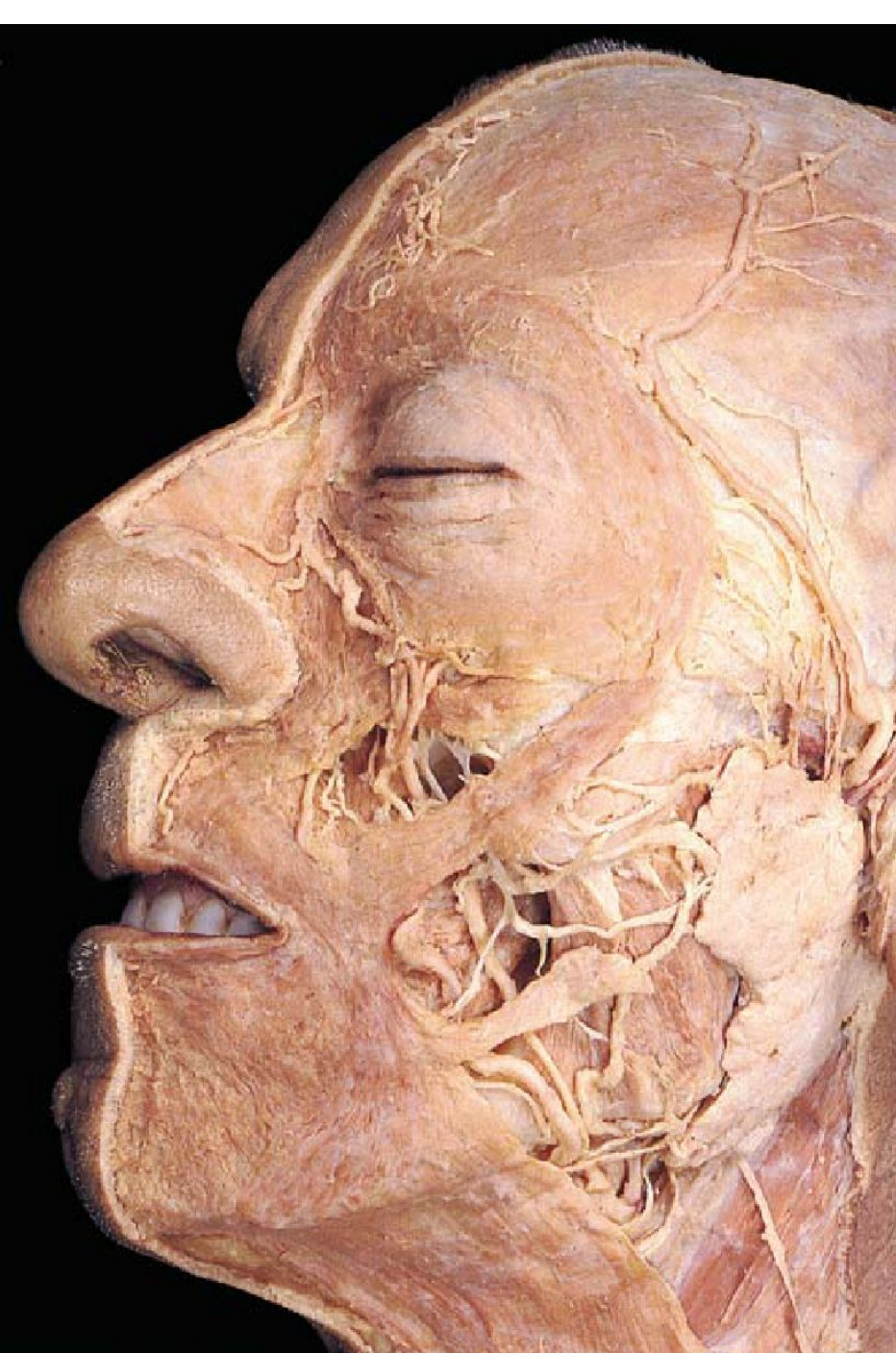
chorda tympani

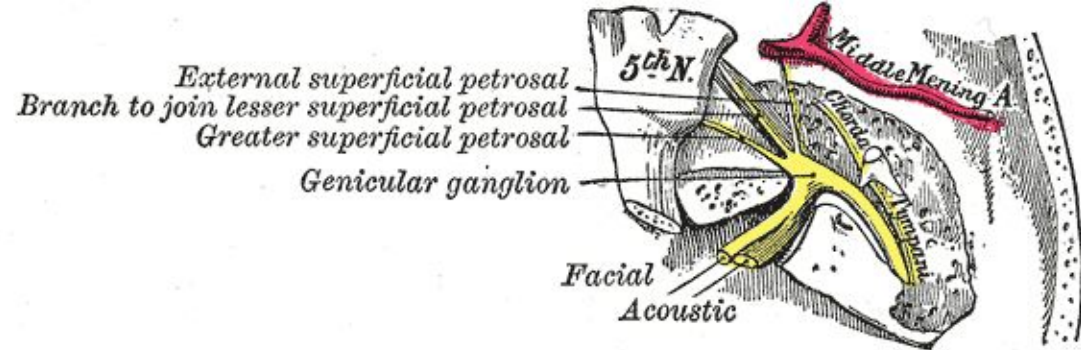
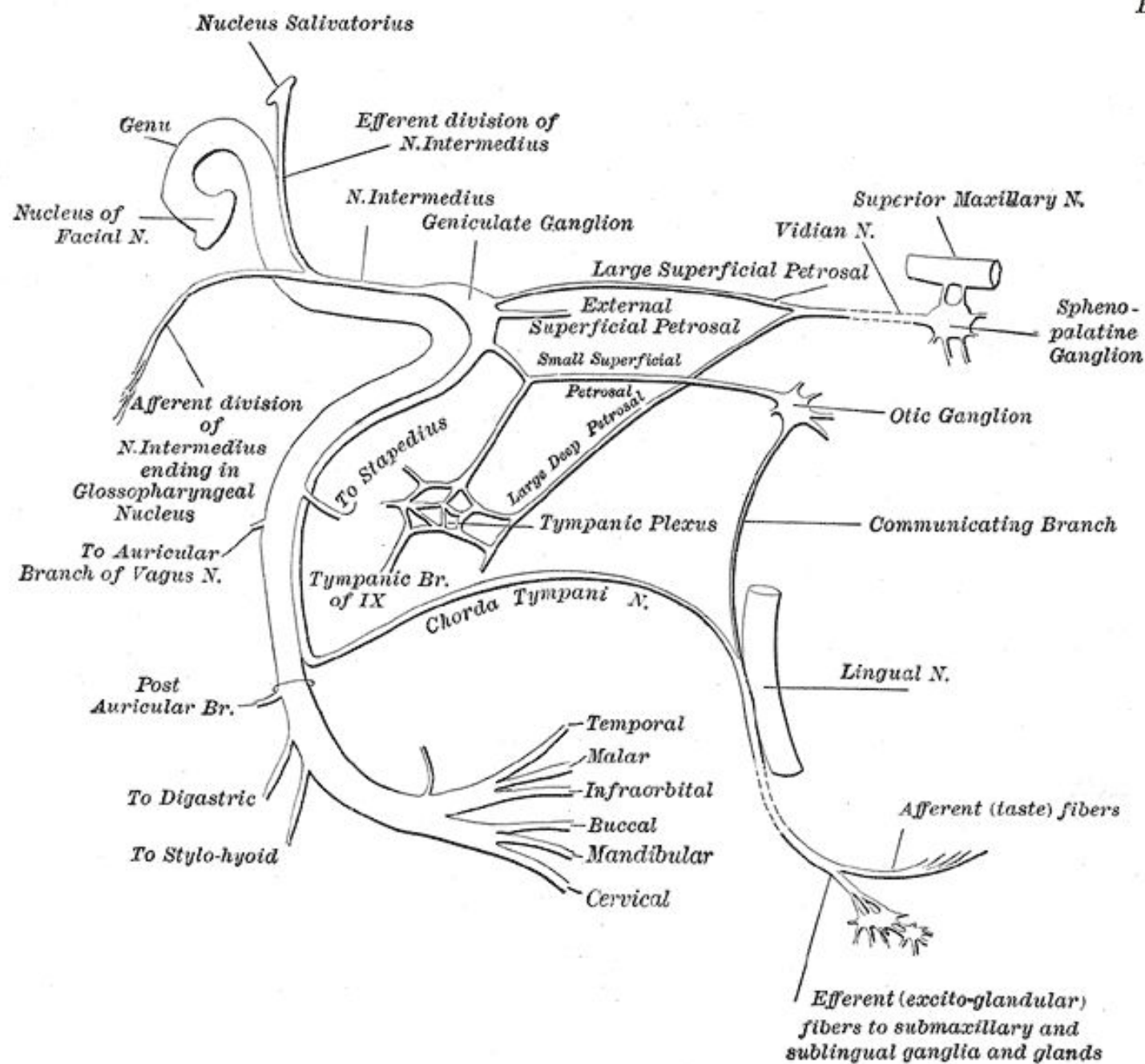


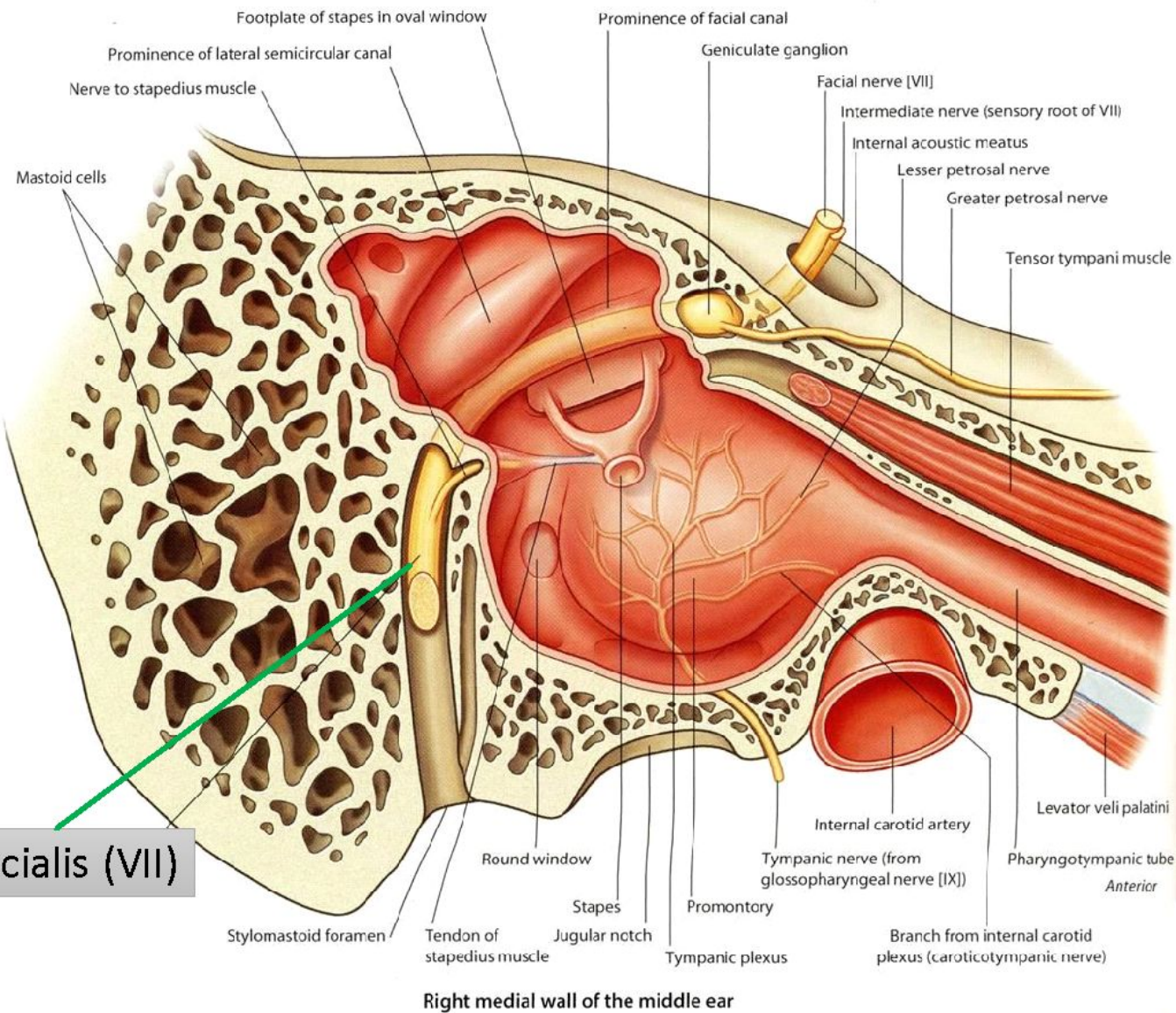
greater petrosal nerve



n. stapedius
n. posterior auricular
digastric branch
temporal branches
zygomatic branches
buccal branches
mandibular branch
cervical branch

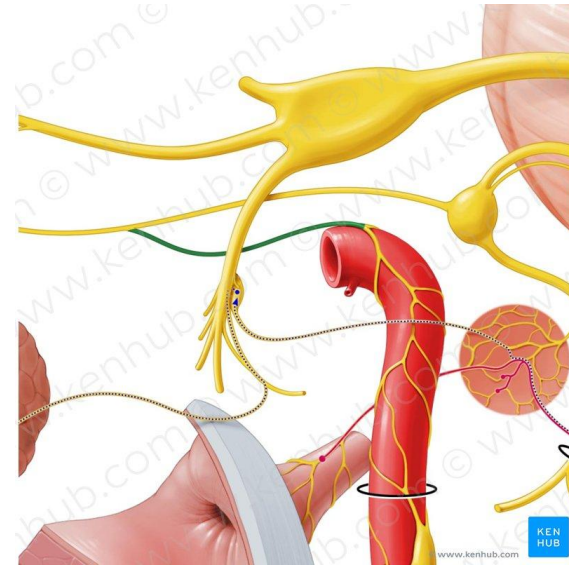
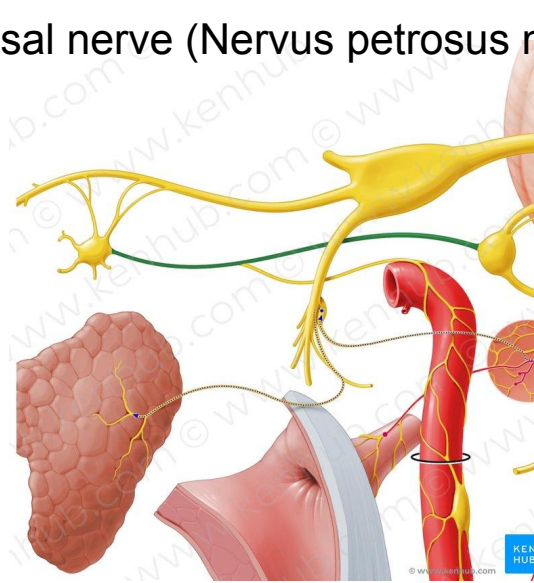
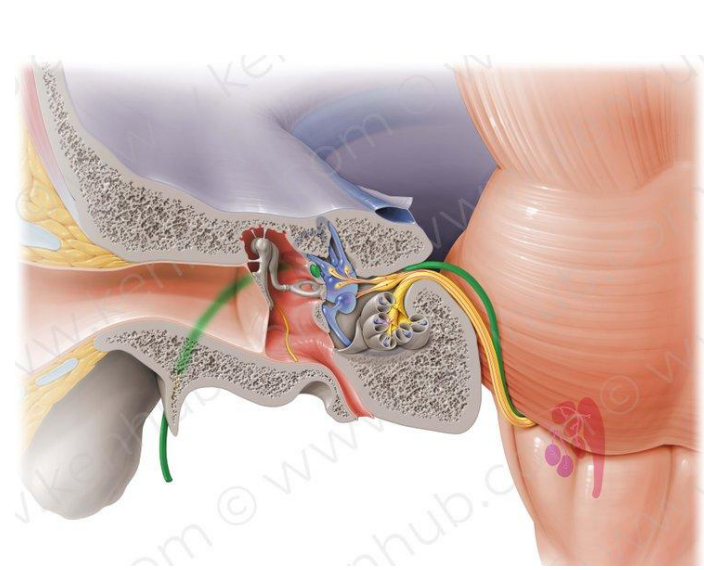




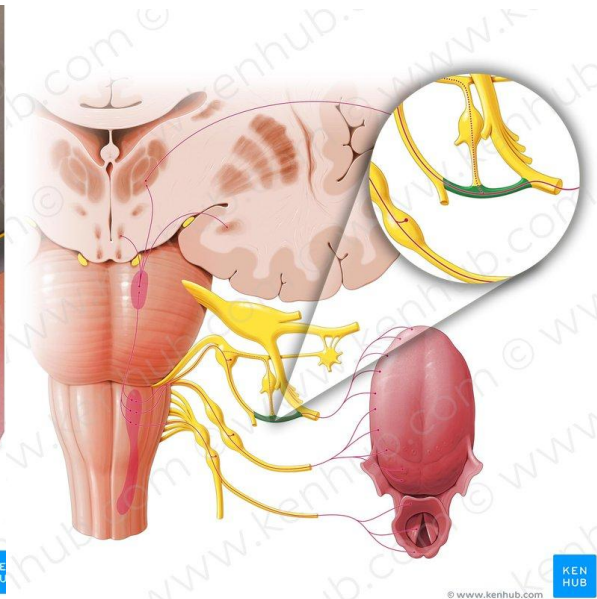
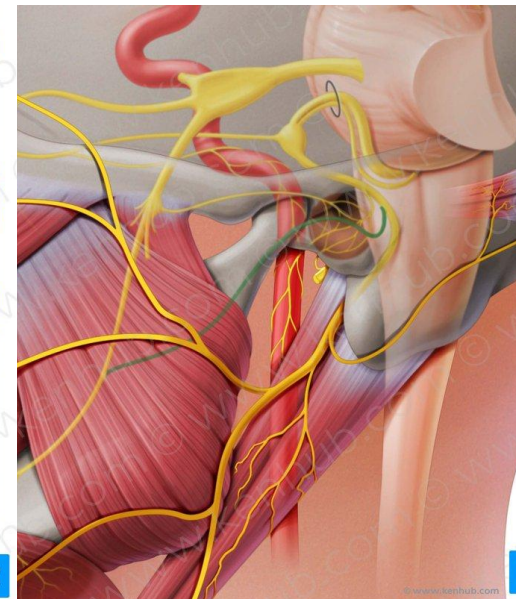
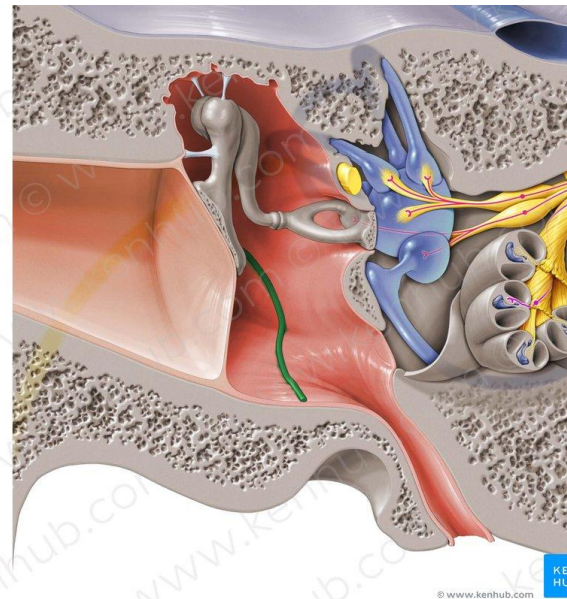
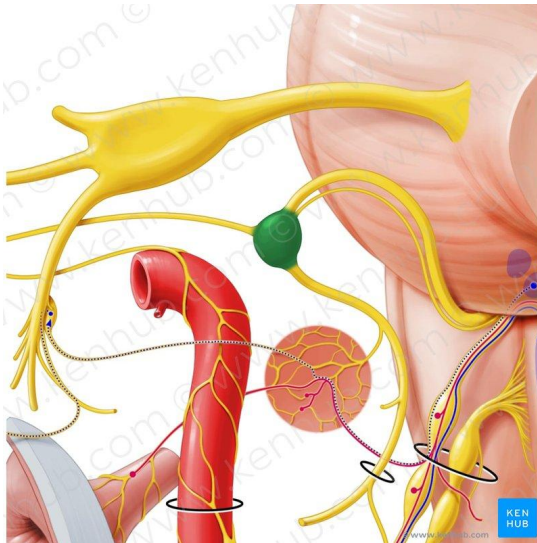


- Intracranial branches
- Greater petrosal nerve
- Communicating branch to the otic ganglion
- Nerve to stapedius
- Chorda tympani
 - Parasympathetic innervation to submandibular gland
 - Parasympathetic innervation to sublingual gland
 - Special sensory taste fibers for the anterior 2/3 of the tongue

Greater petrosal nerve (Nervus petrosus major)



Deep petrosal nerve (Nervus petrosus profundus)



Chorda tympani

Geniculate ganglion (Ganglion geniculi)

Facial nerve

