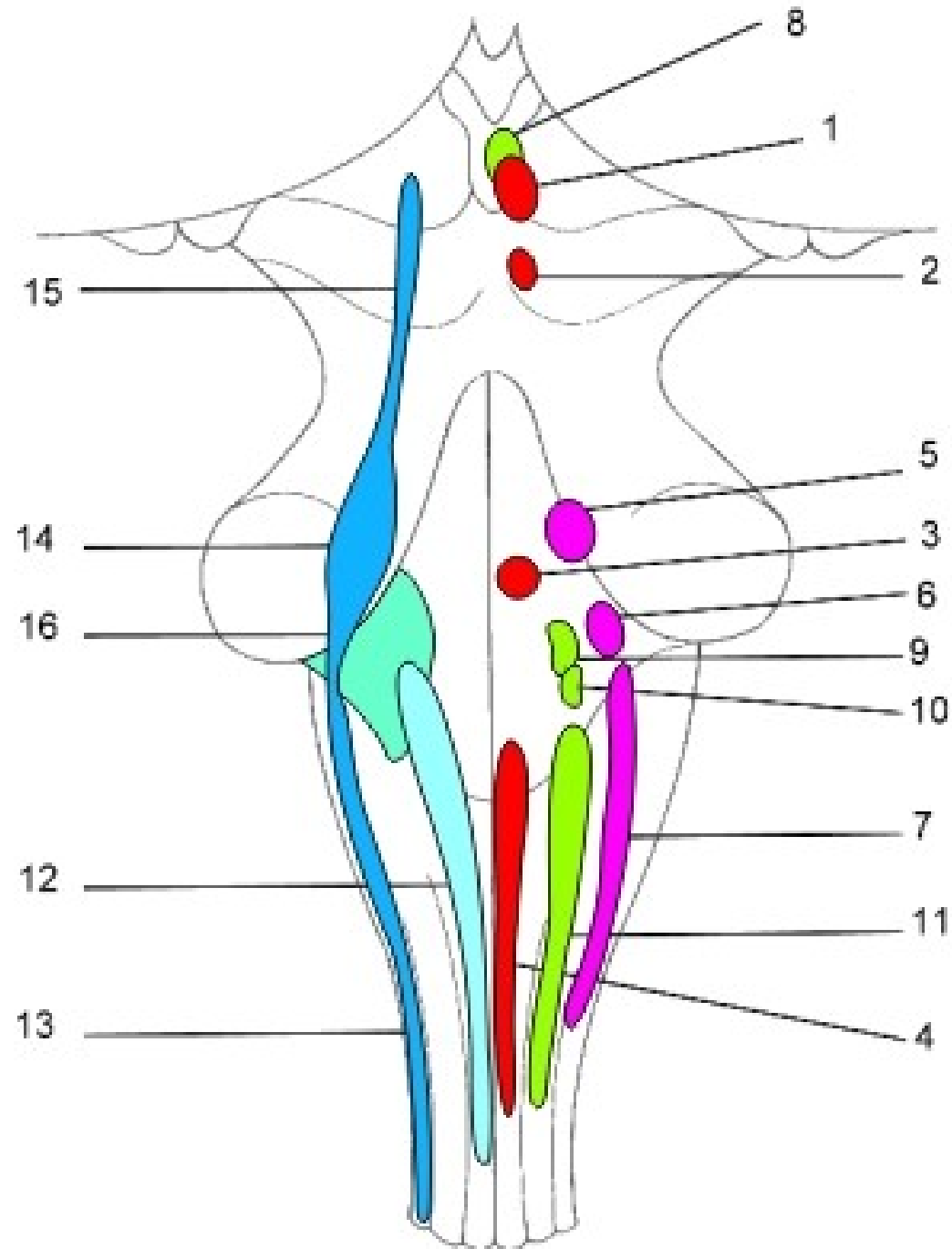
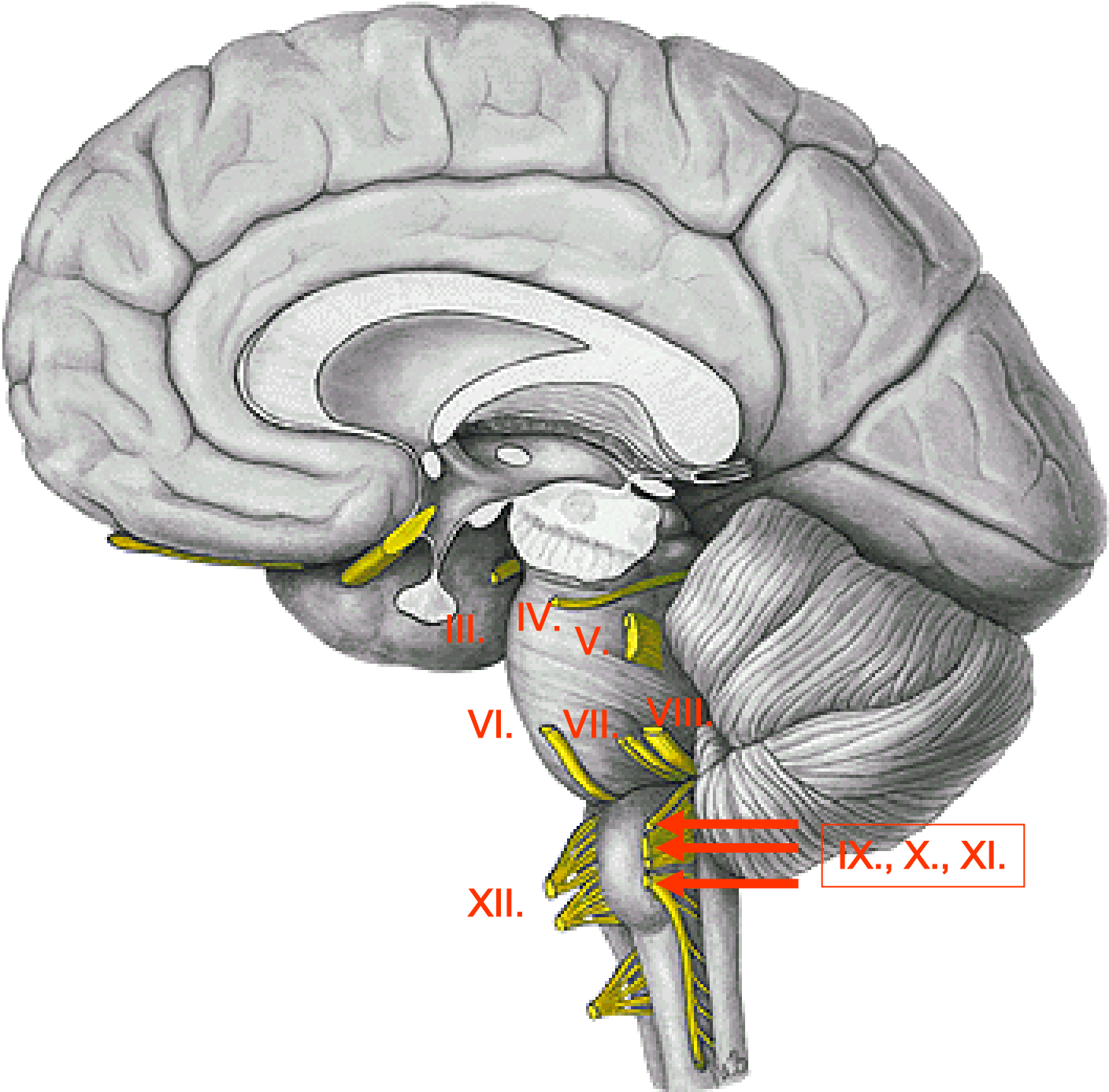
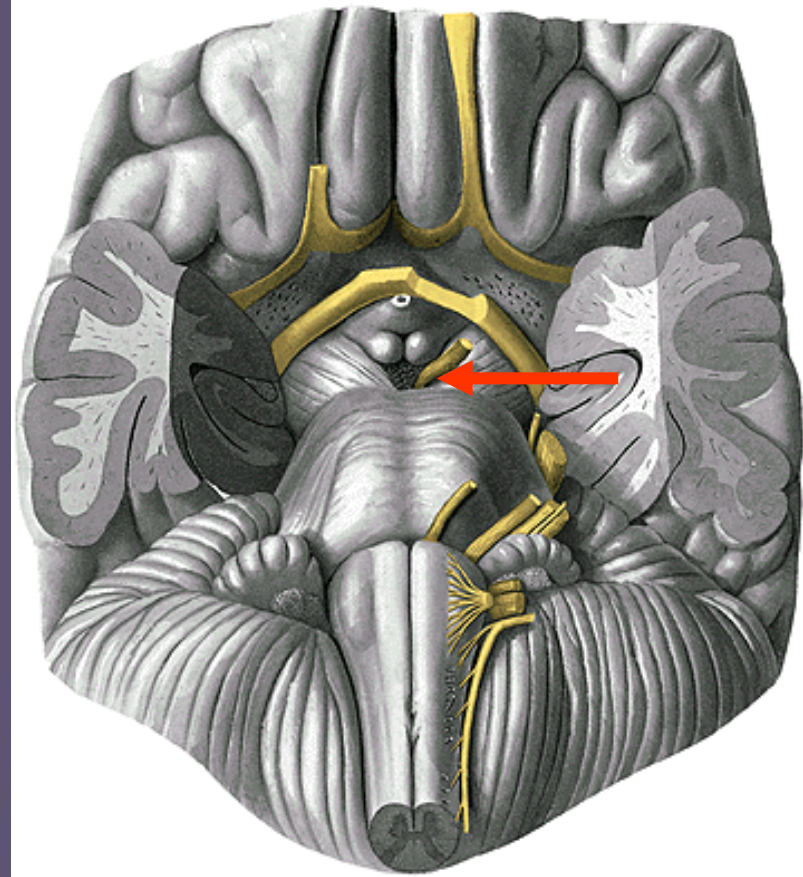
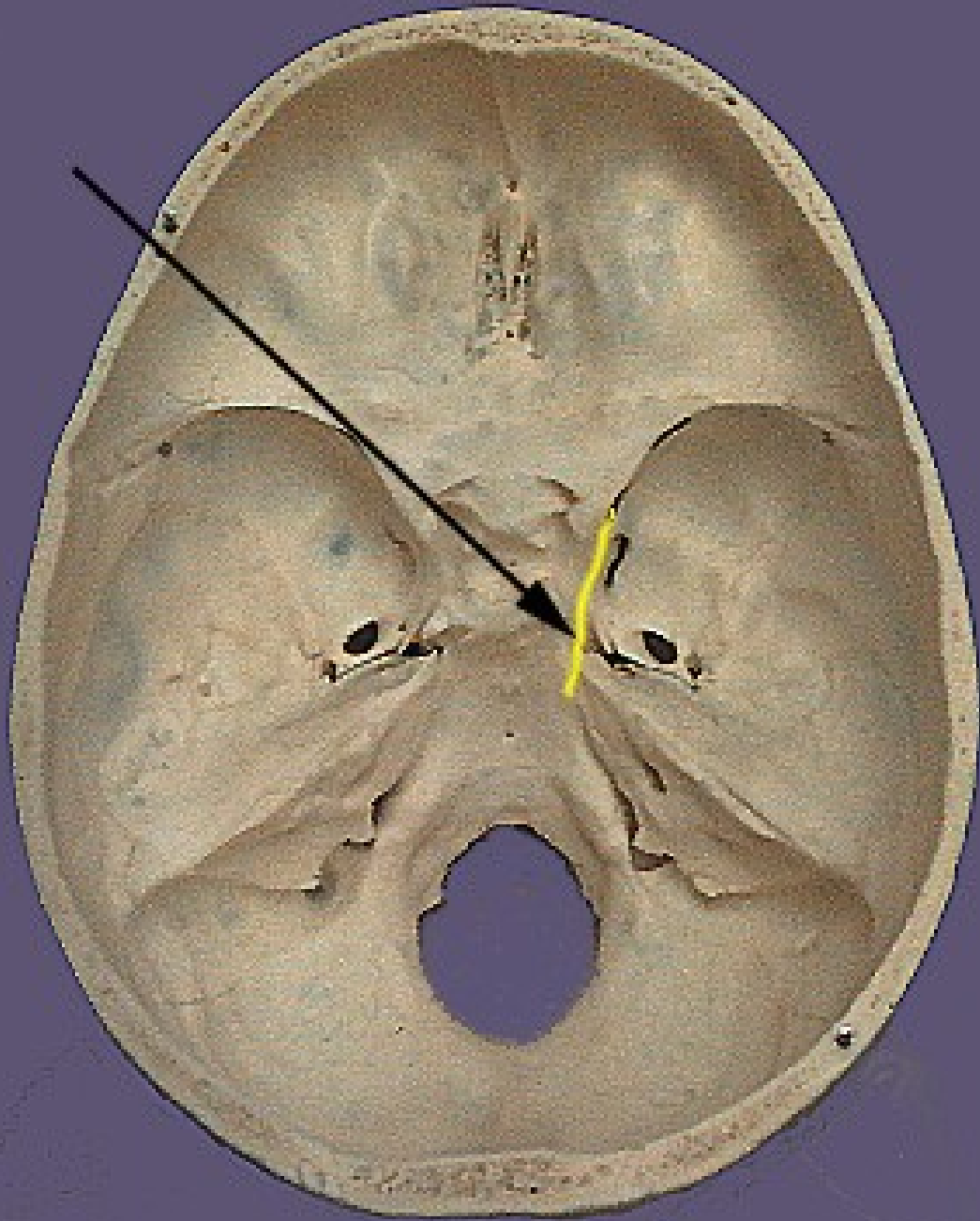


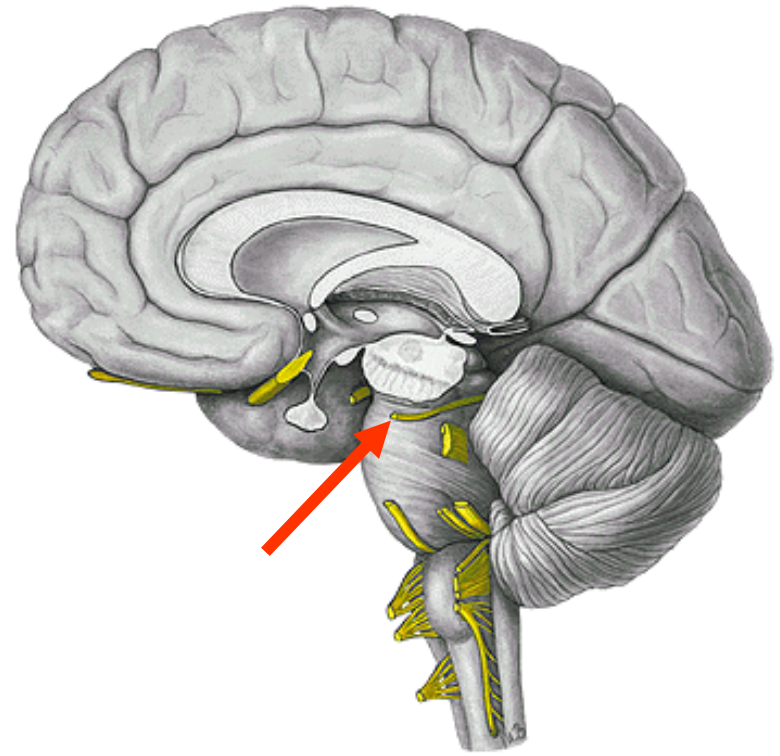
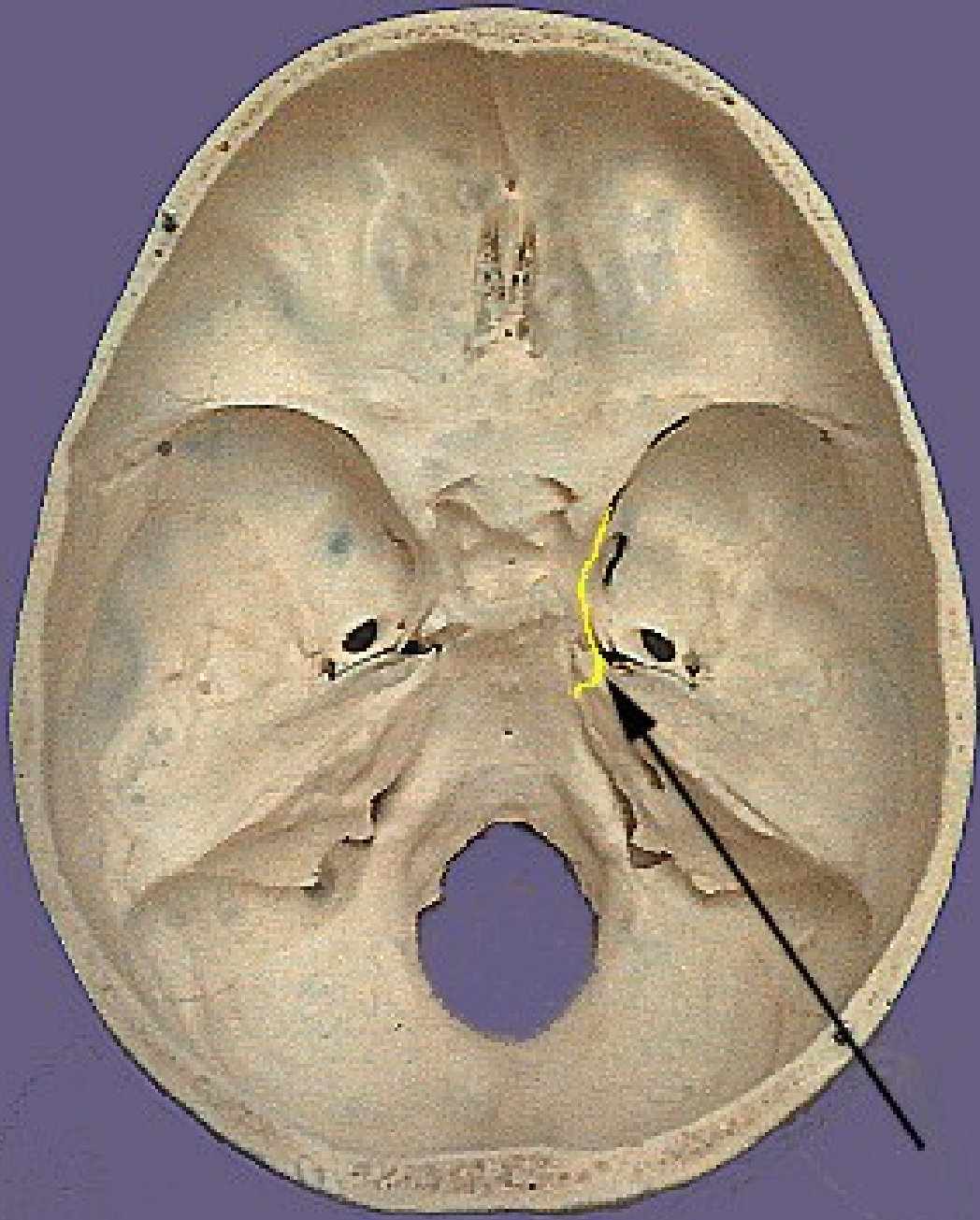
- 1 - ncl. motorius (originis) n. III.
- 2 - ncl. motorius (originis) n. IV.
- 3 - ncl. motorius (originis) n. VI.
- 4 - ncl. motorius (originis) n. XII.
- 5 - ncl. motorius (originis) n. VII.
- 6 - ncl. motorius (masticatorius) n. V.
- 7 - ncl. motorius (originis) n.
- 8 - ncl. parasympathicus n. III (ncl. E.W.)
- 9 - ncl. parasympathicus n. VII.
- 10 - ncl. parasympathicus n. IX.
- 11 - ncl. parasympathicus n. X.
- 12 - ncl. solitarius
- 13 - ncl. spinalis n. V.
- 14 - ncl. principalis n. V.
- 15 - ncl. mesencephalicus n. V.
- 16 - ncll. cochleares et vestibulares





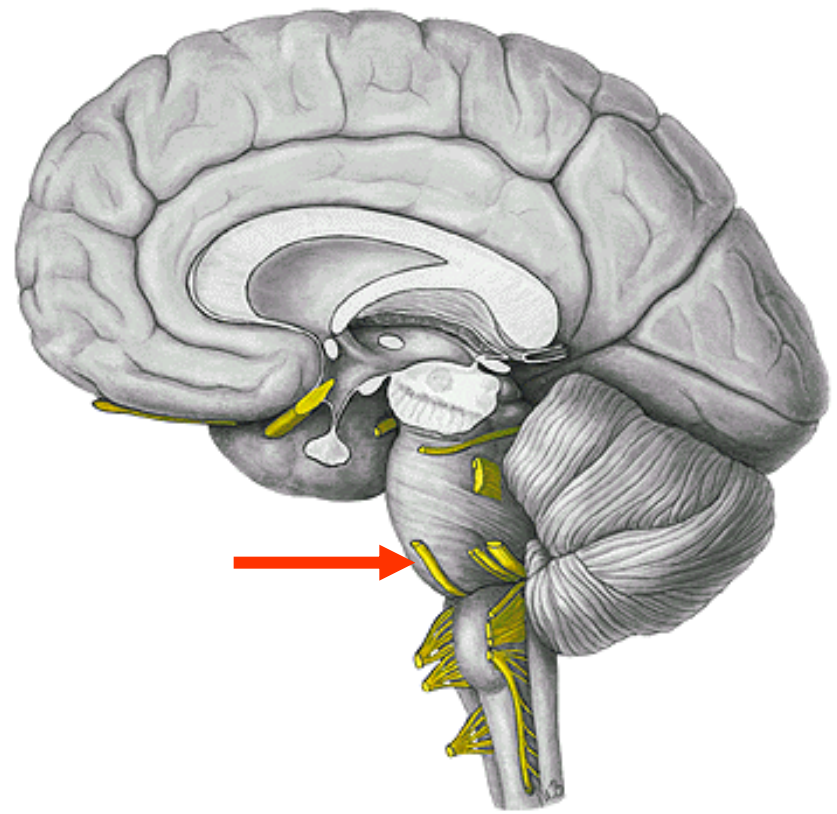
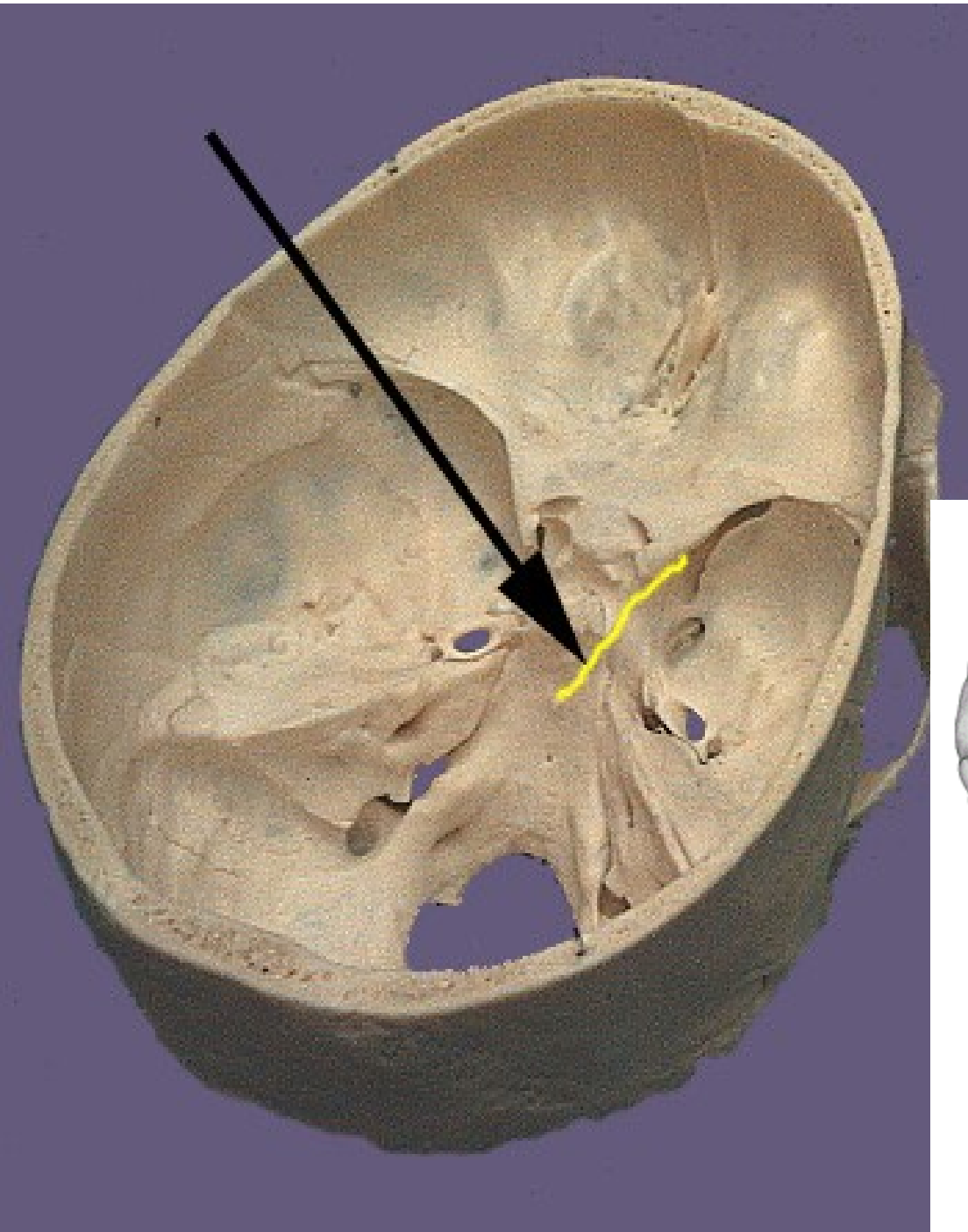


n.III.



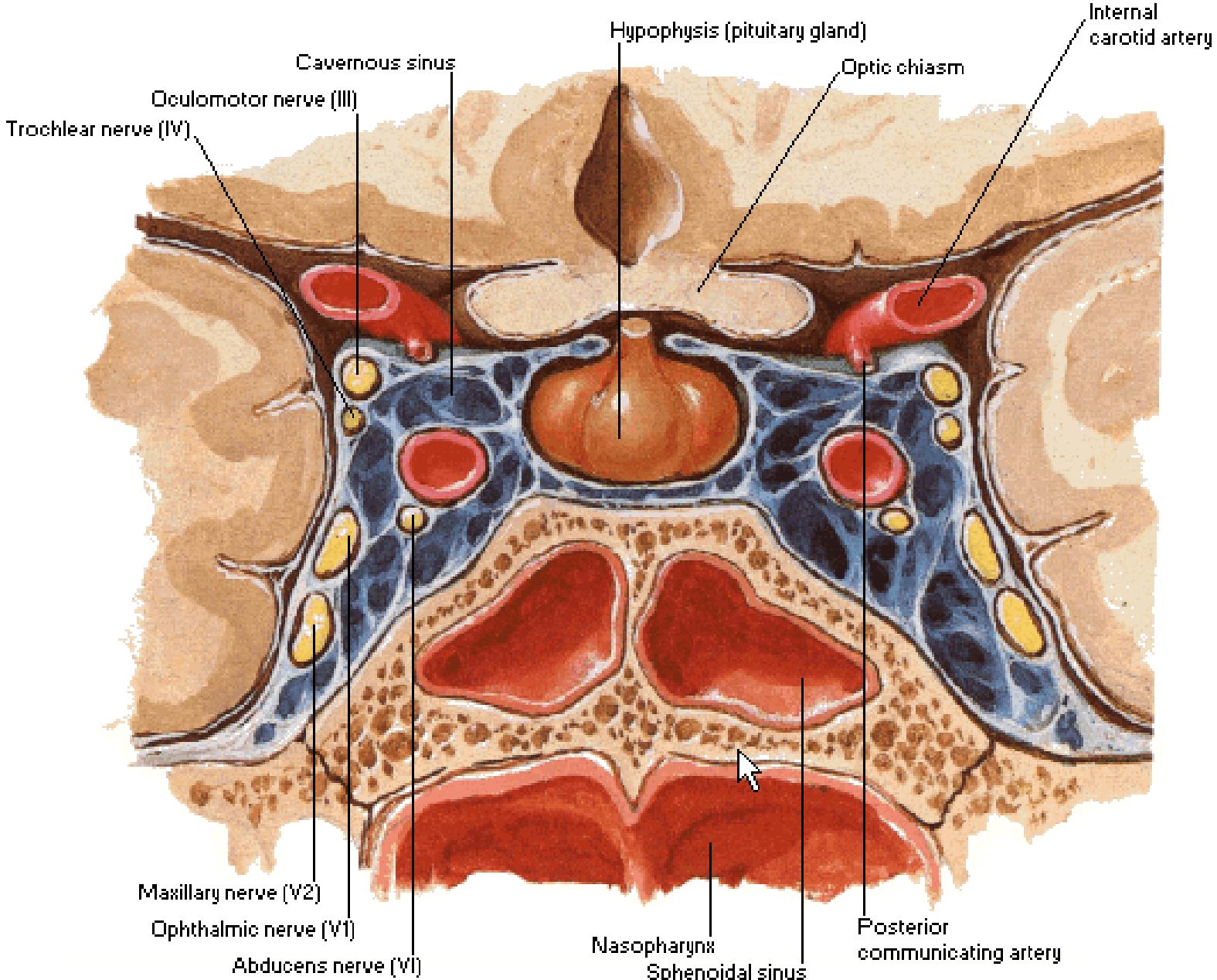
n.IV.

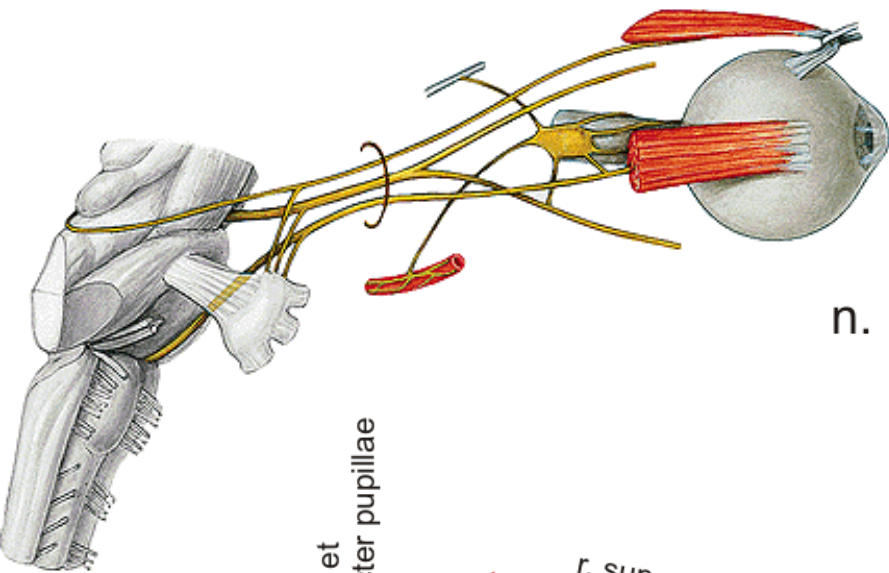
n.VI.



Cavernous Sinus

Coronal Section





n. III. et IV.

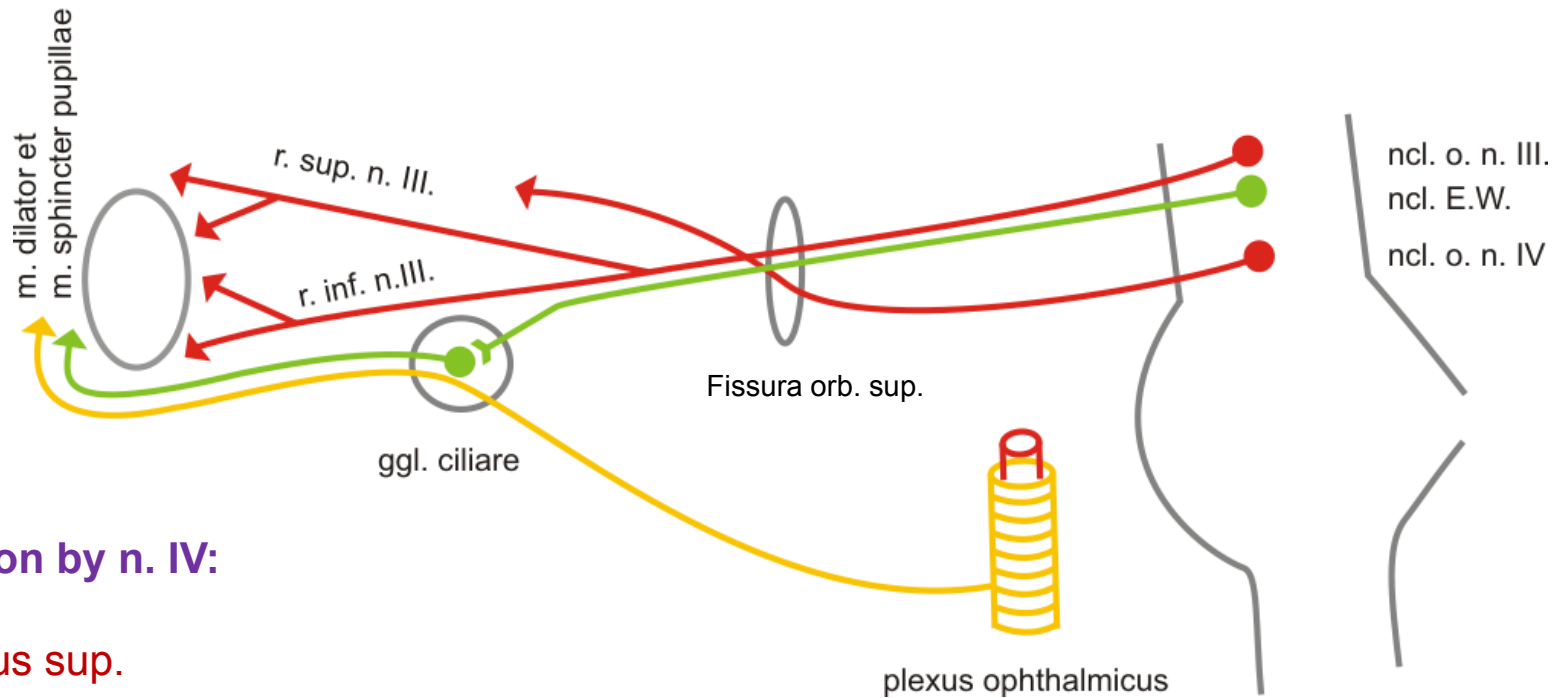
Innervation by n. III:

mm. recti orbitales except
m. rectus lat.

m. levator palpebrae sup.

m. obliquus inf.

m. dilator (symp.) et sphincter pupillae
(parasymp.)

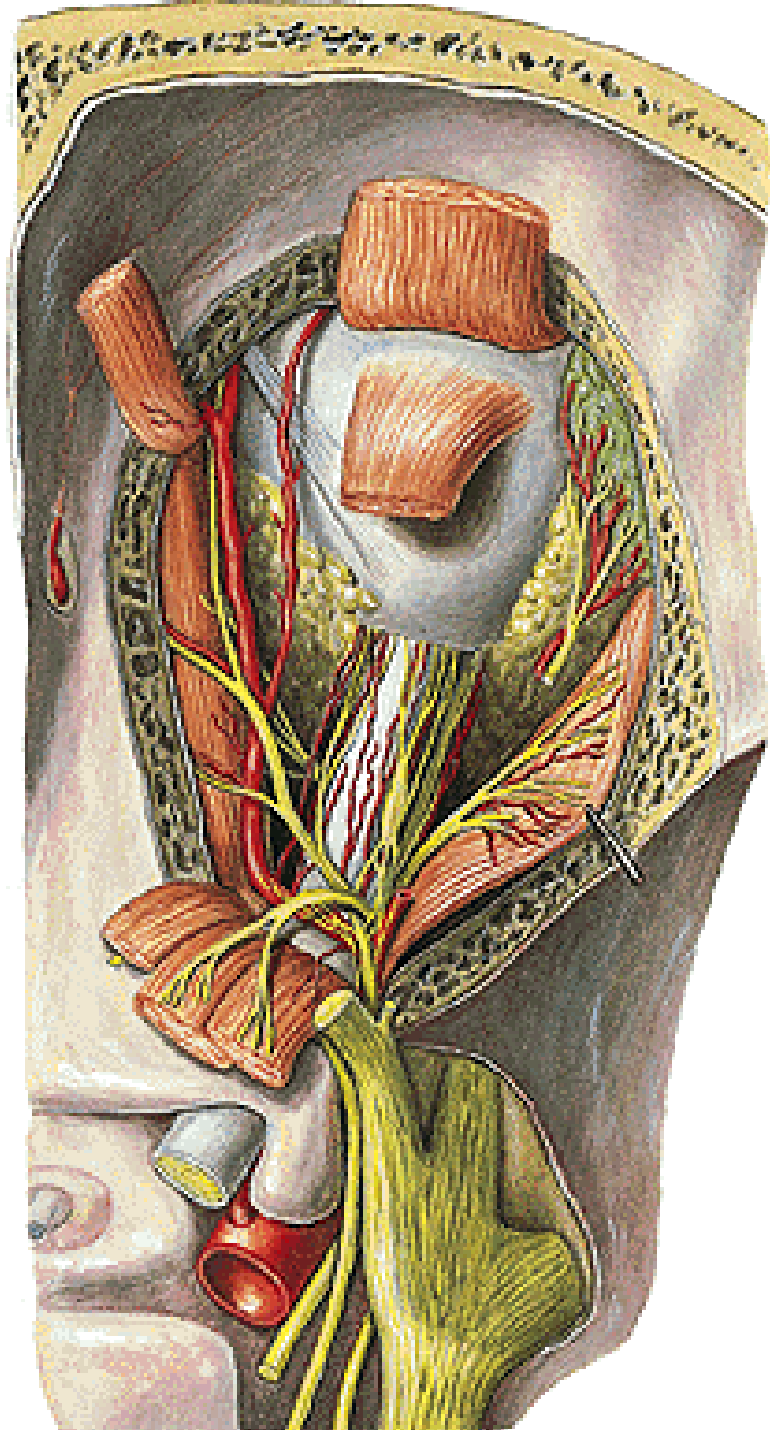
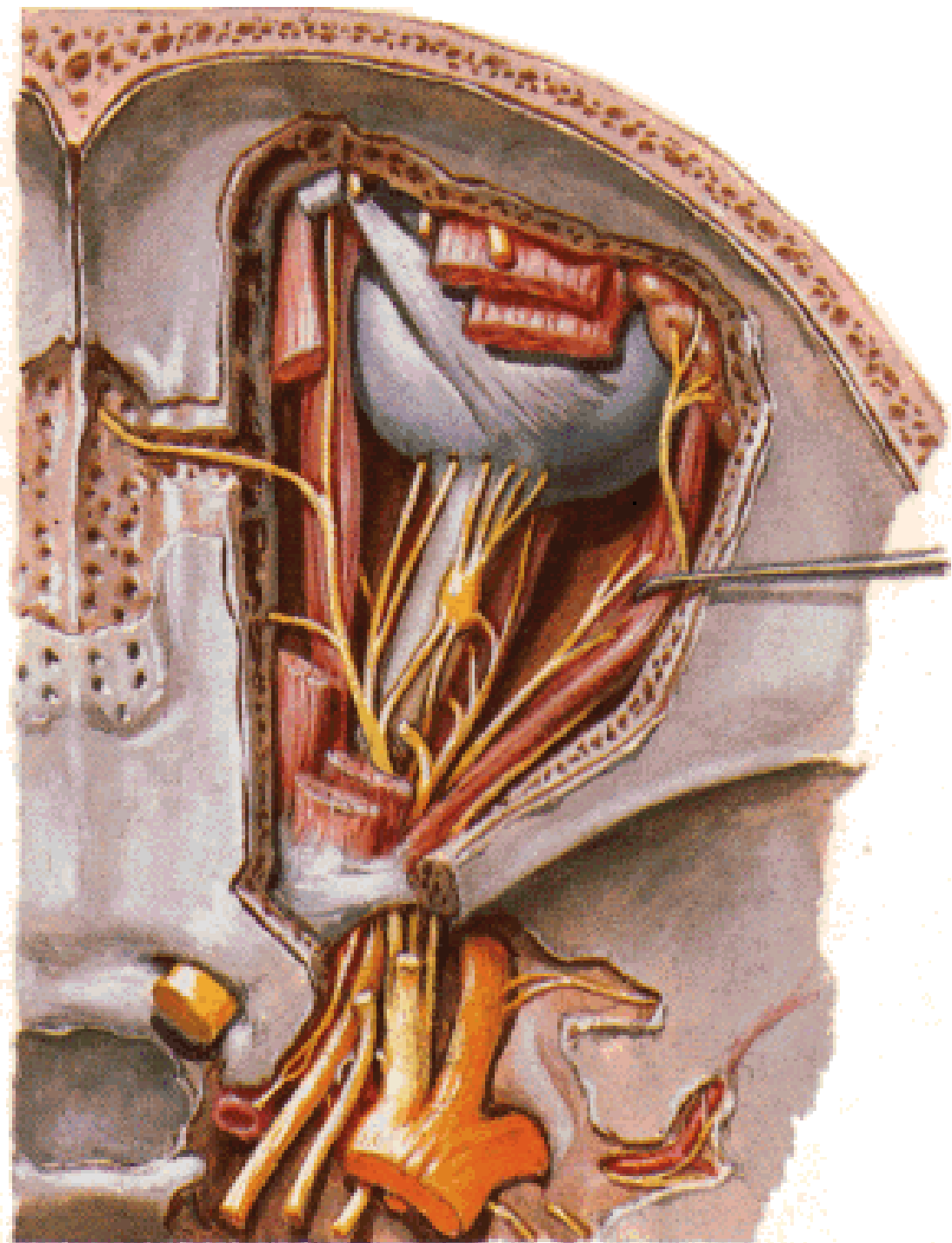


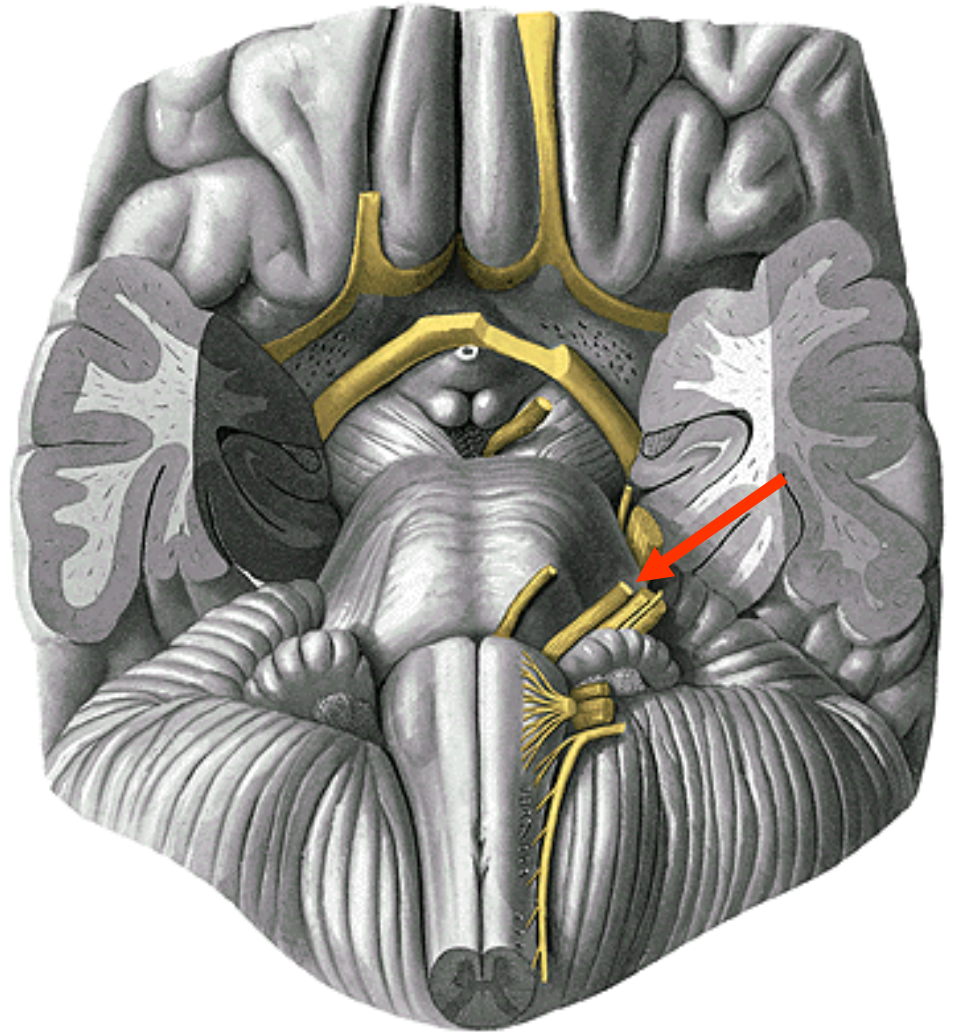
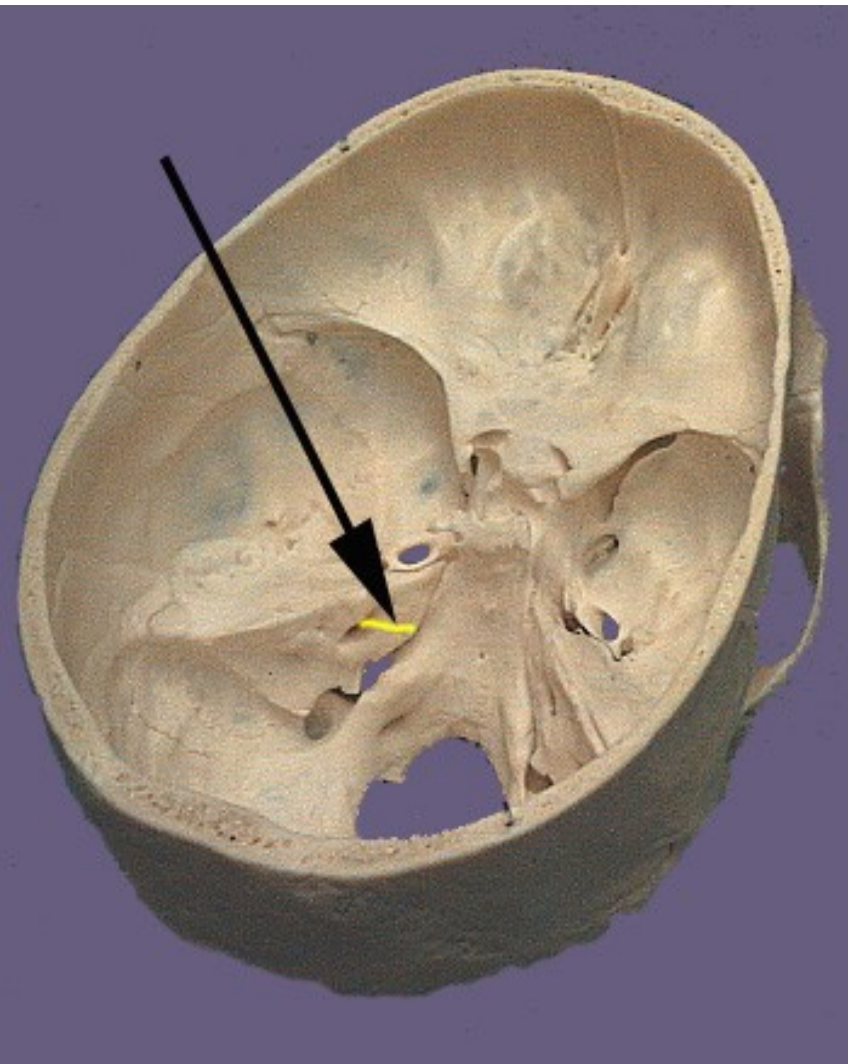
Innervation by n. IV:

m. obliquus sup.

Innervation by n. VI:

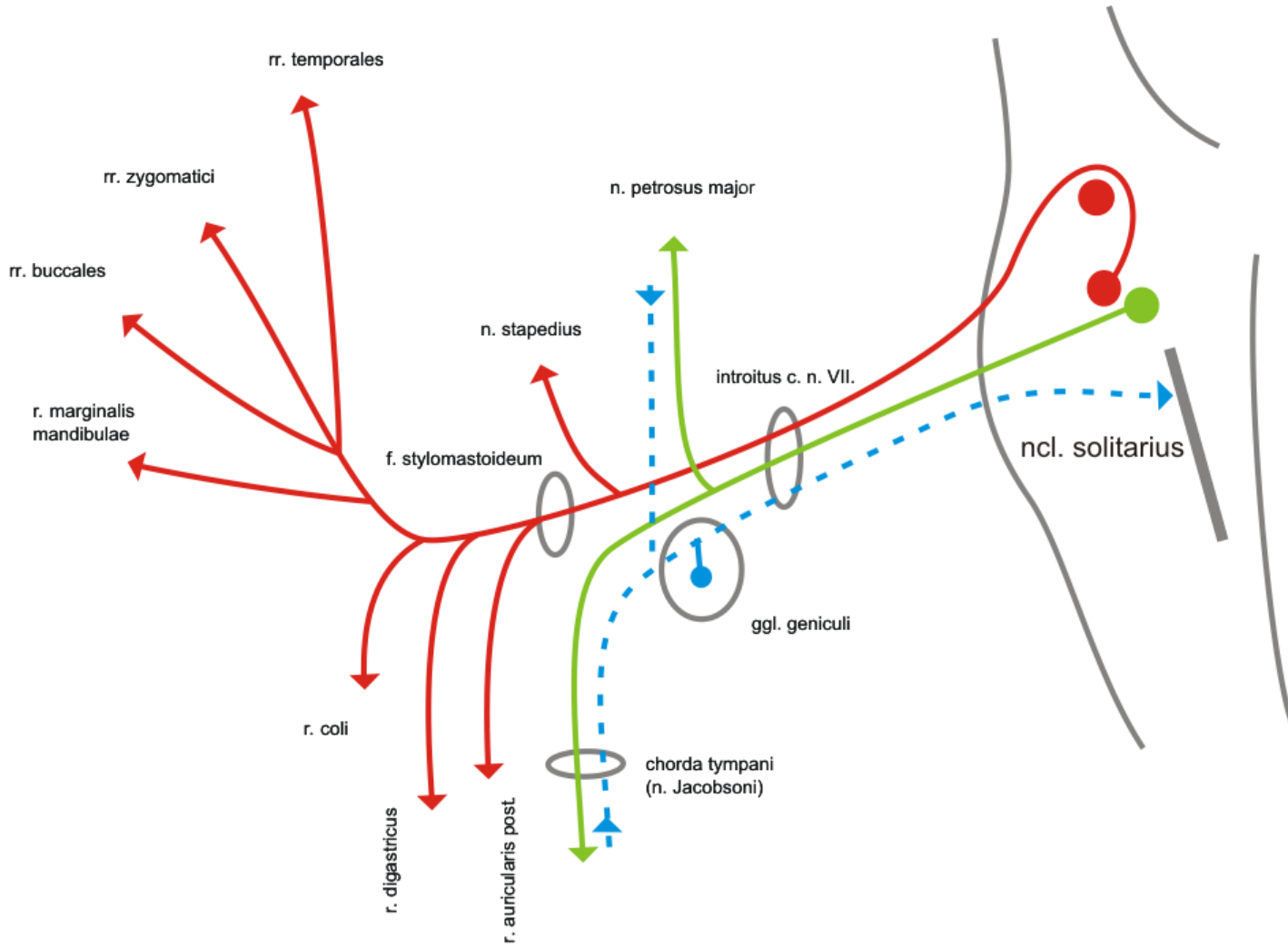
m. rectus lat.





n. VII.

n.VII.



Innervation by n. VII:

Mimic muscles

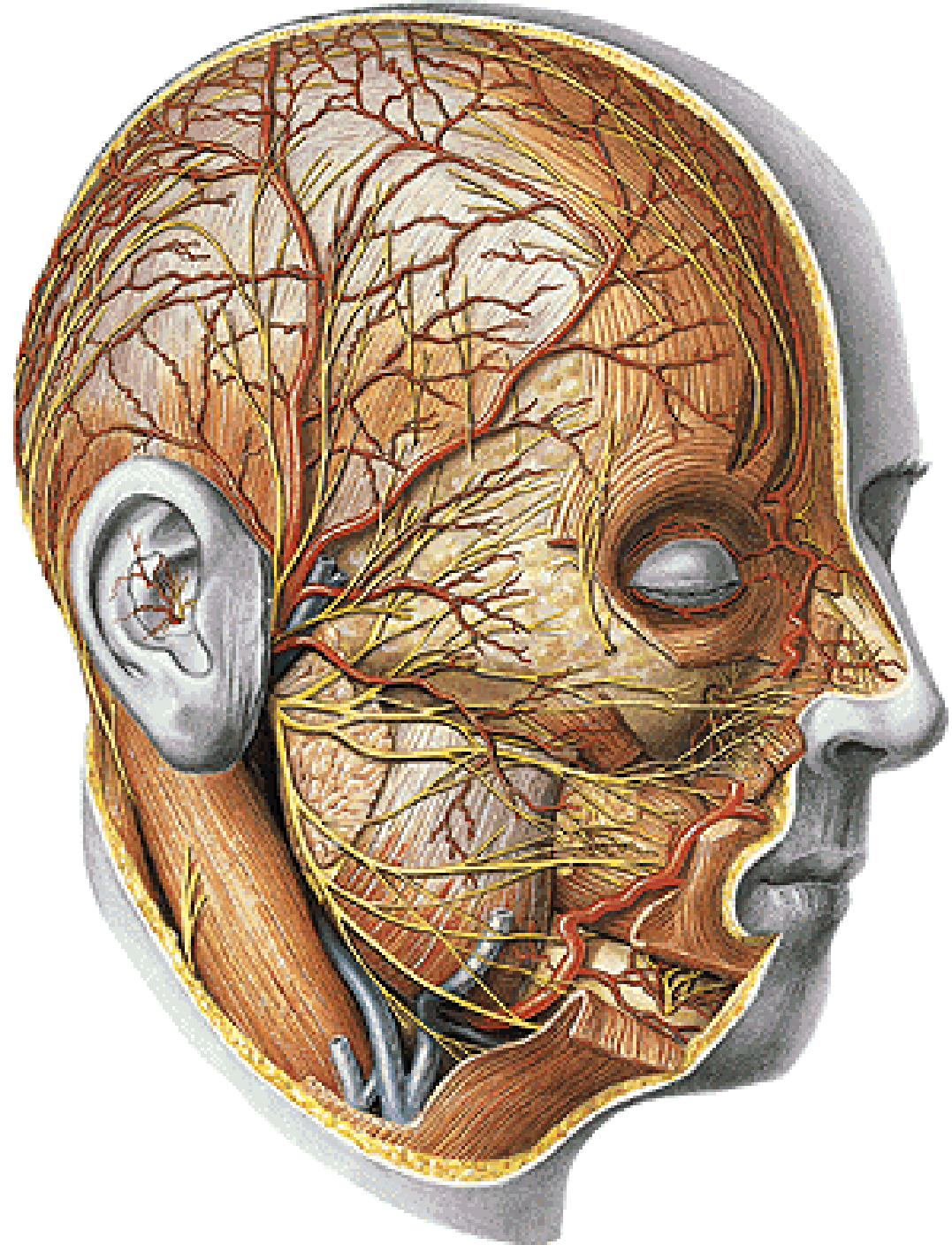
gl. lacrimalis

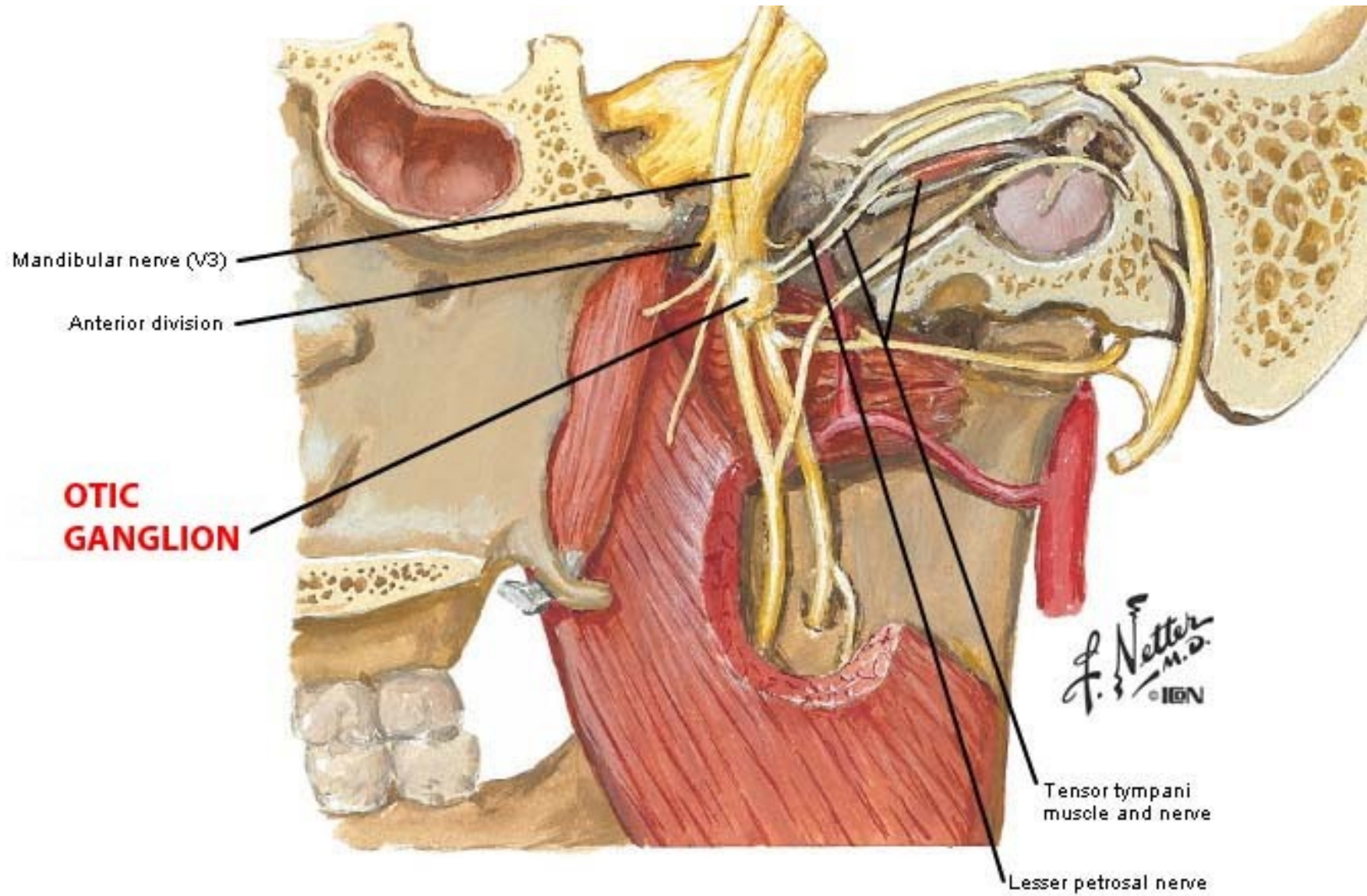
gl. submandibularis

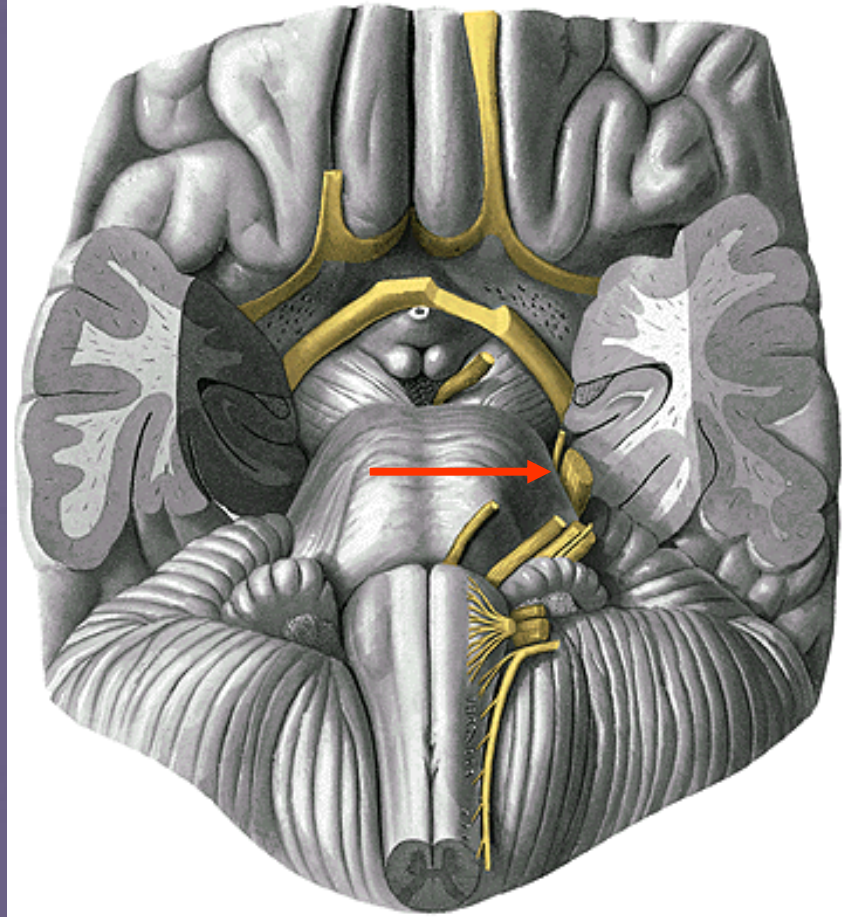
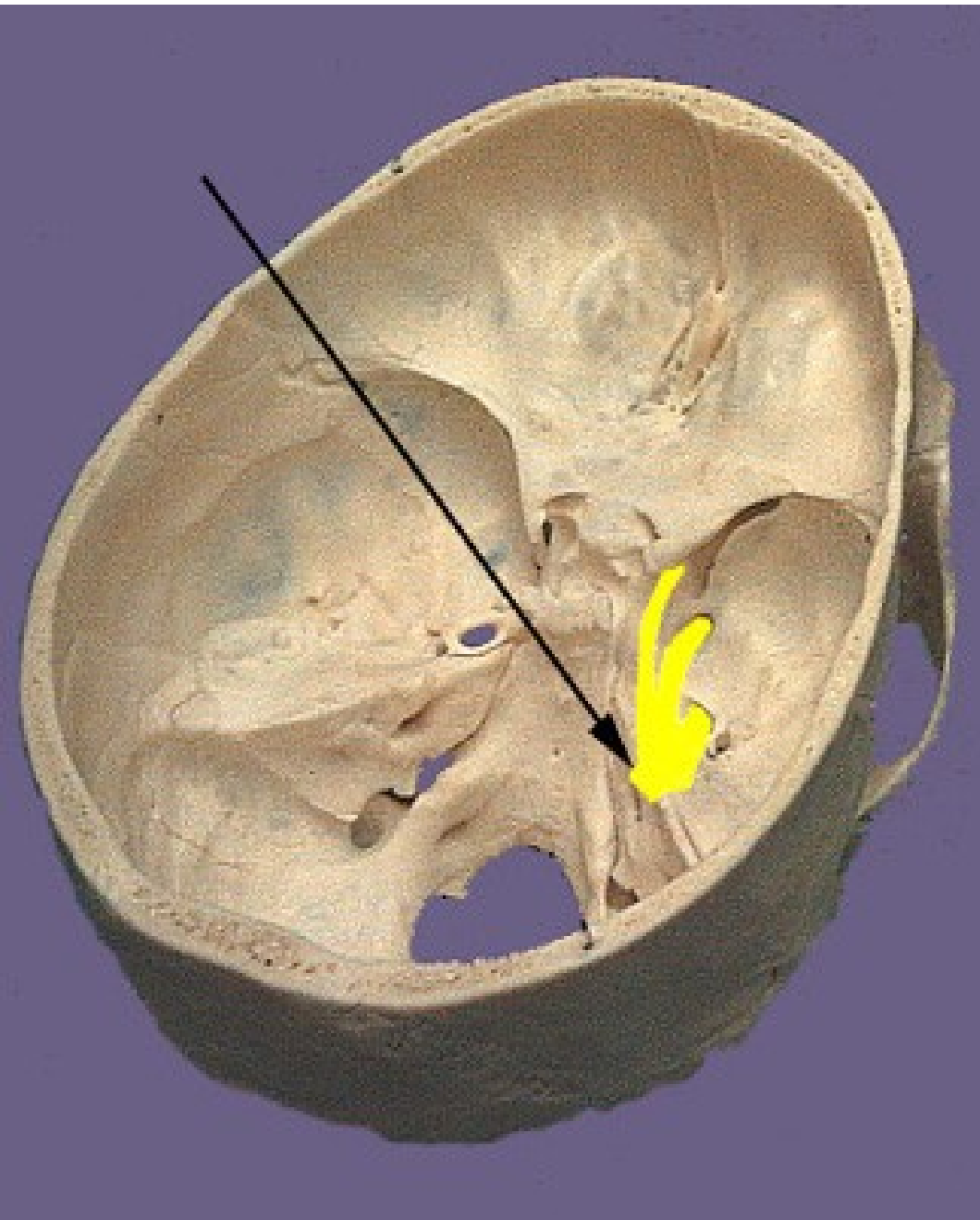
gl. sublingualis

small salivatory gl. in mucosa of
soft and hard palatum

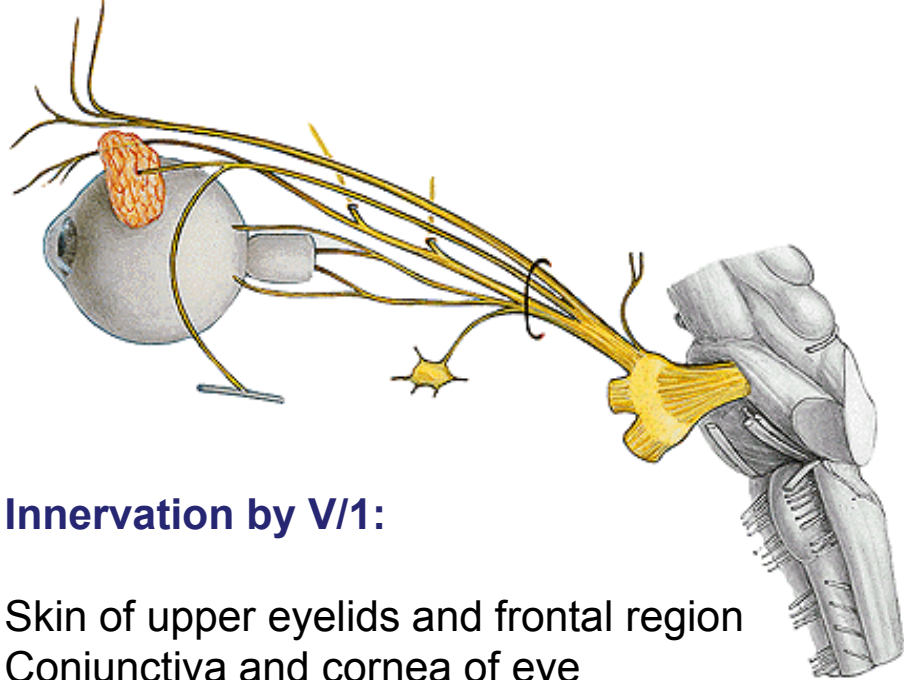
Taste buds in anterior 2/3 of tongue
and in mucosa of soft and hard
palate



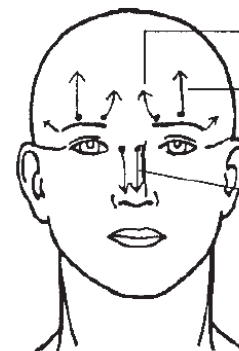
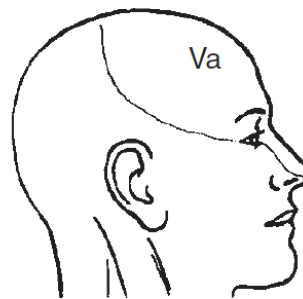




n.V.



Cutaneous distribution

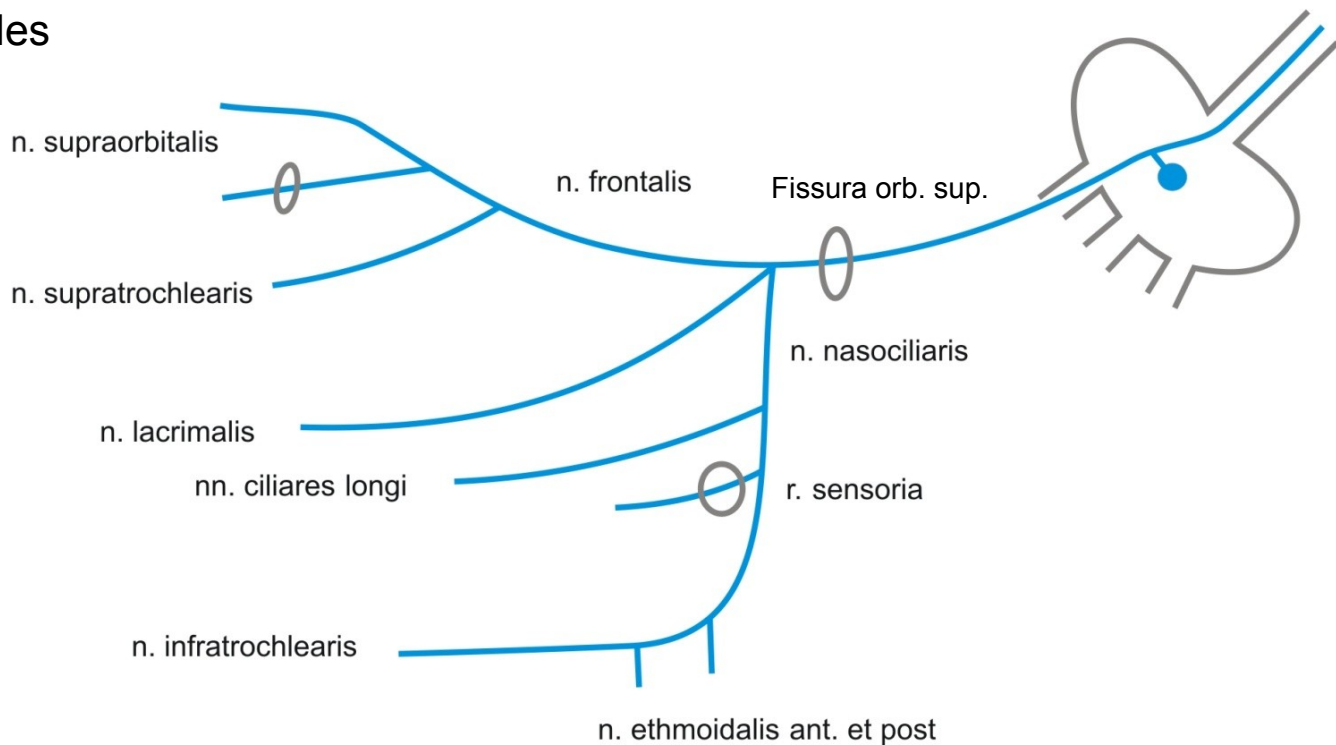


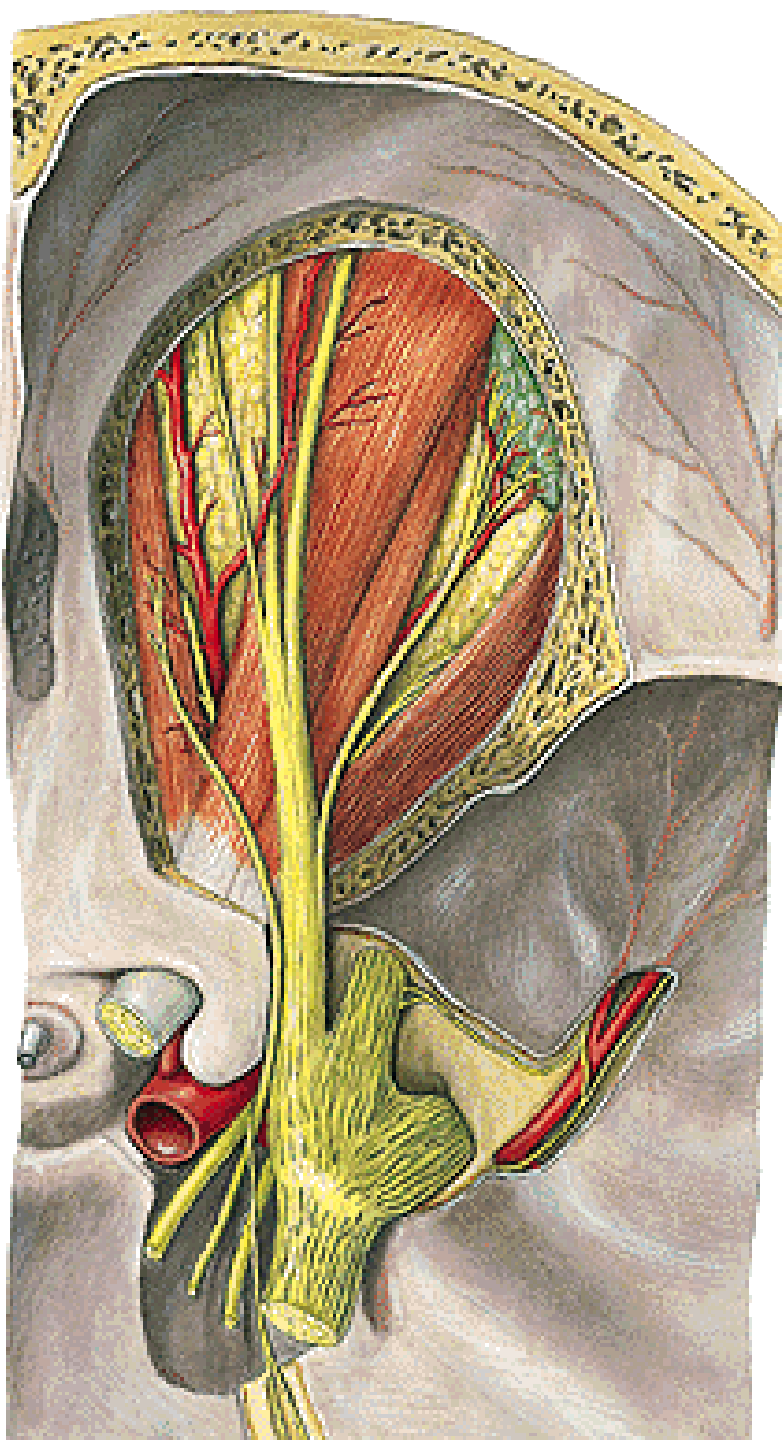
Sinus (broken circle)
 Supratrochlear
 (from frontal)
 Supraorbital
 (from frontal)
 External nasal
 (from nasociliary)

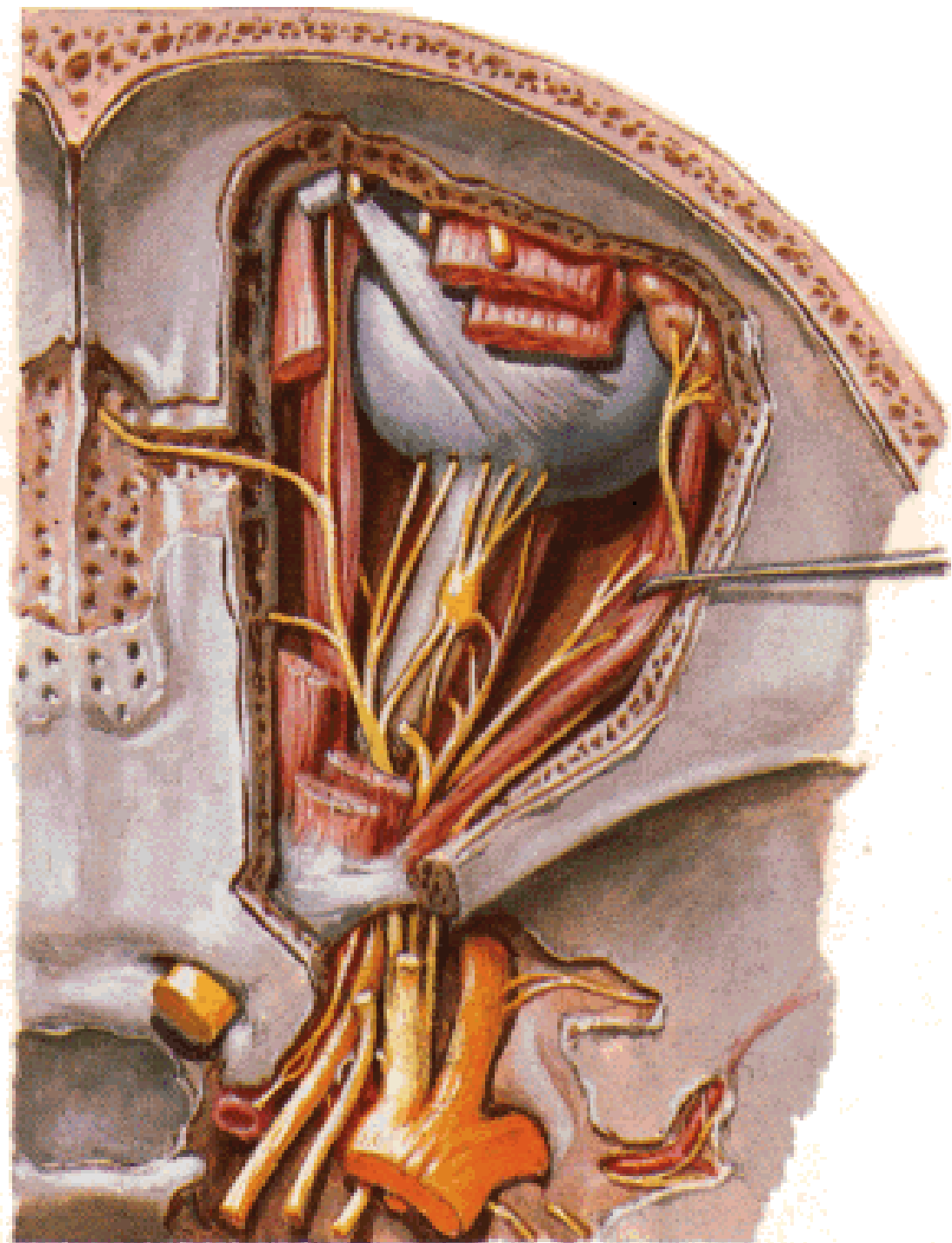
n. V/1 - n. ophthalmicus

Innervation by V/1:

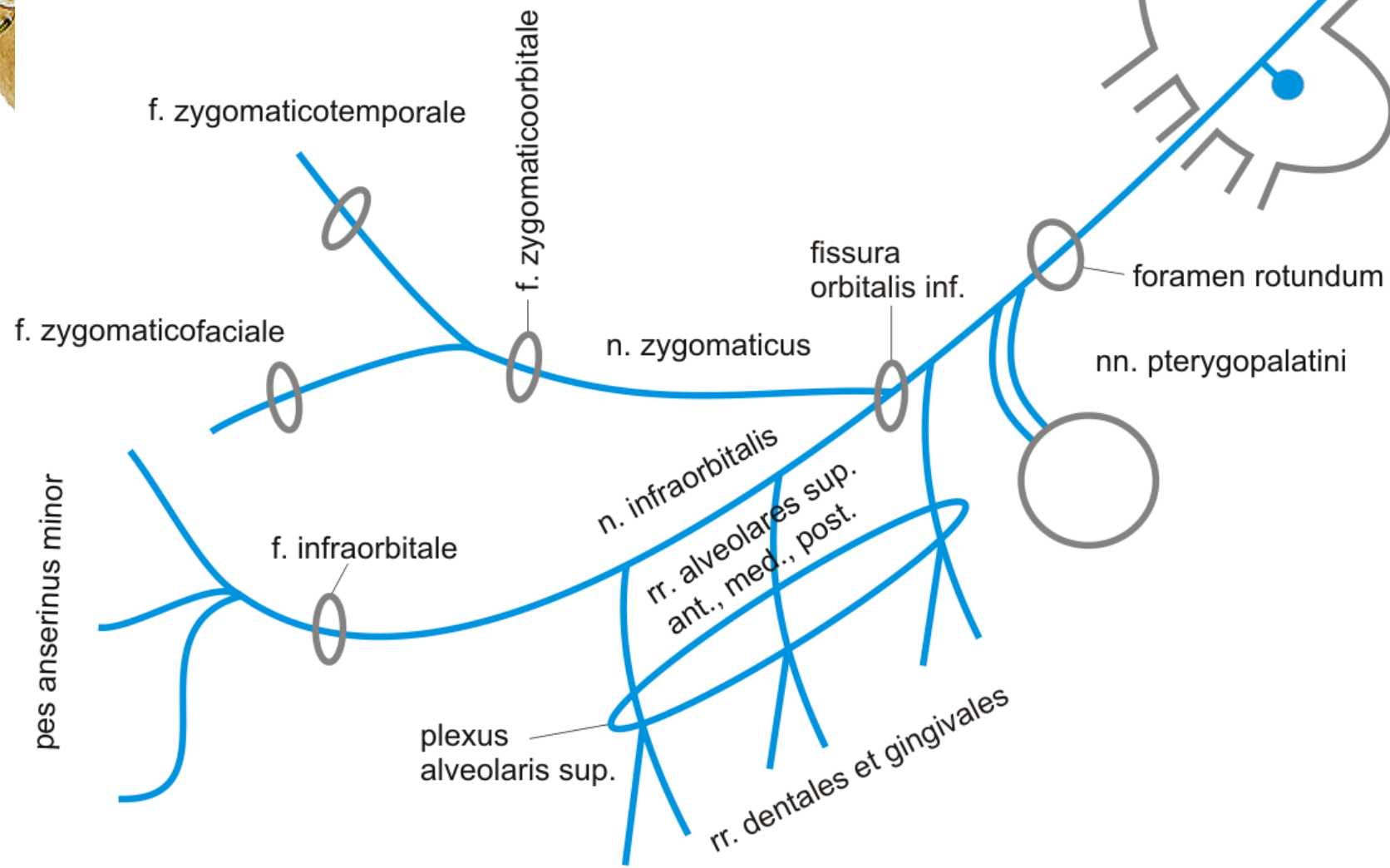
Skin of upper eyelids and frontal region
 Conjunctiva and cornea of eye
 Mucosa of celullae ethmoidales

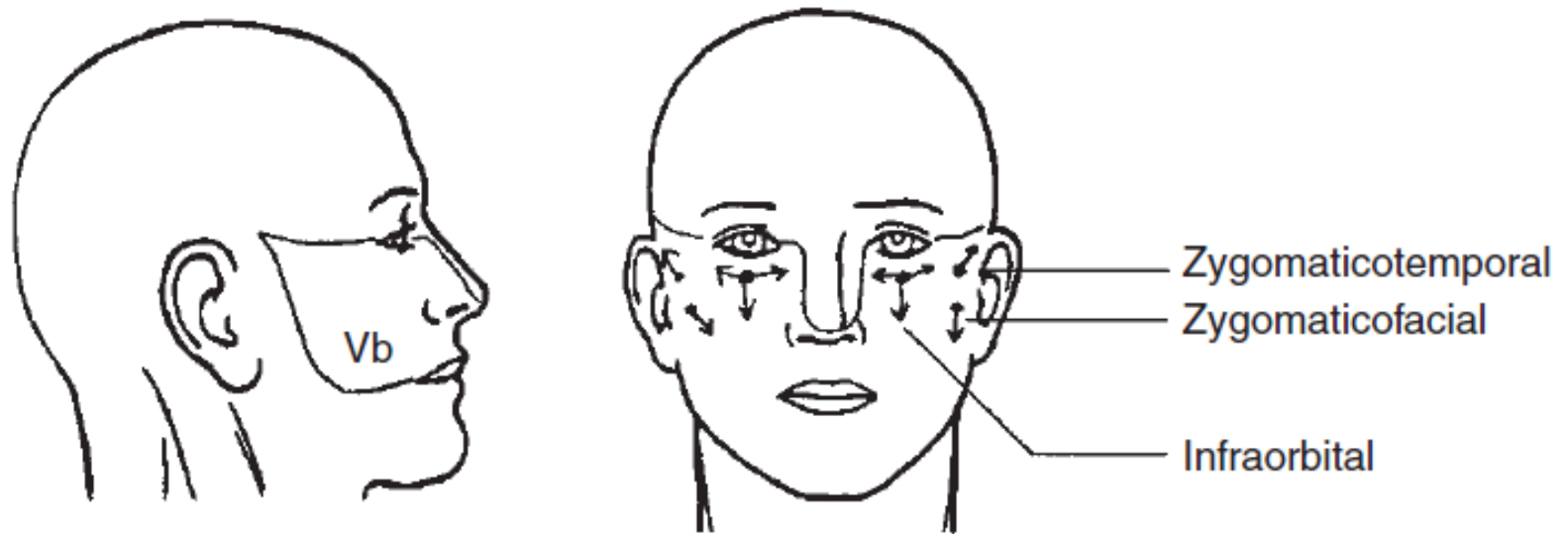






n. V/2 - n. maxillaris

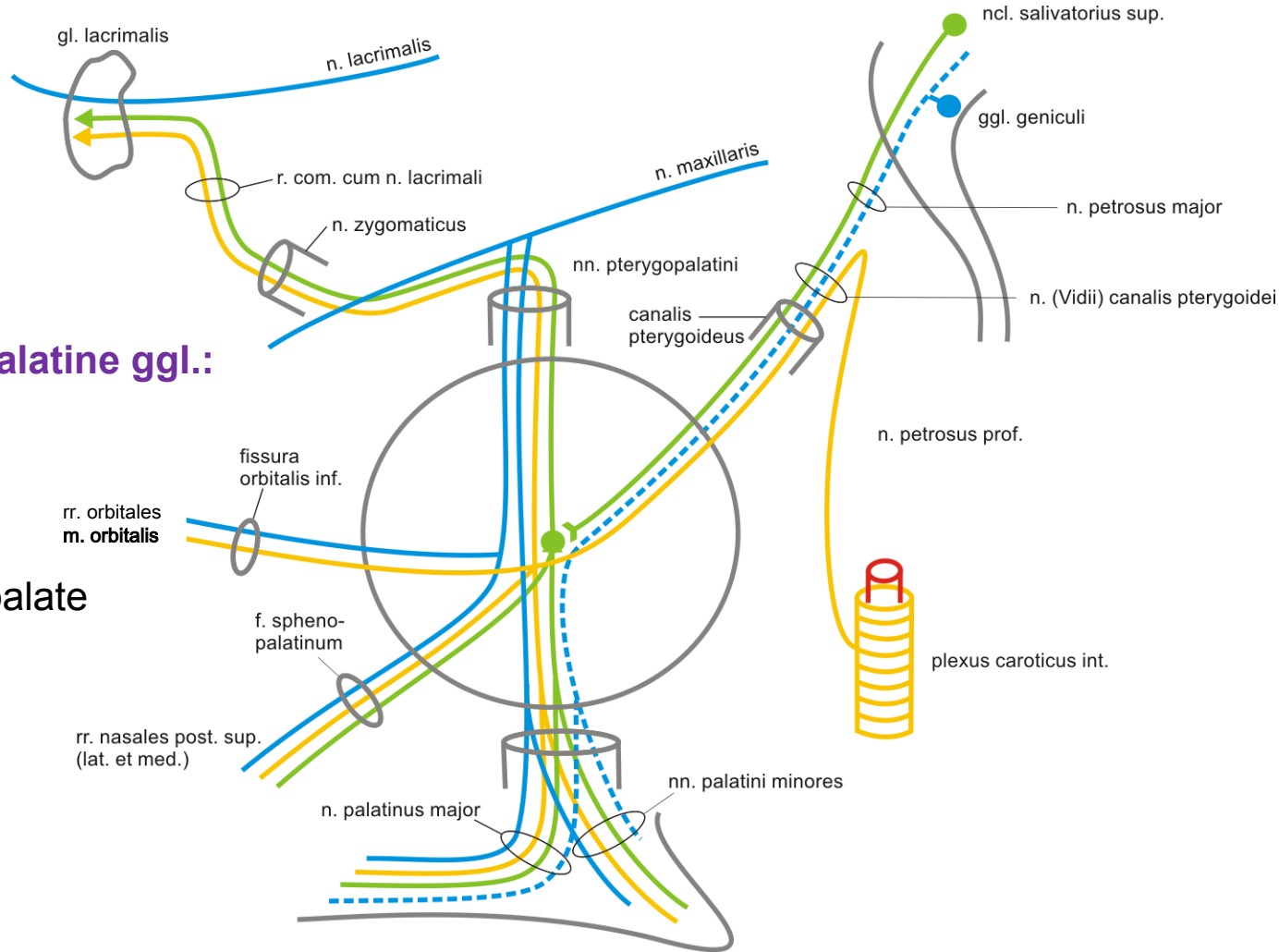




Somatosensory innervation by n. V/2:

Skin of lower eyelids, nasal wings, cheek, gingiva and teeth of maxilla





ggl. pterygopalatinum

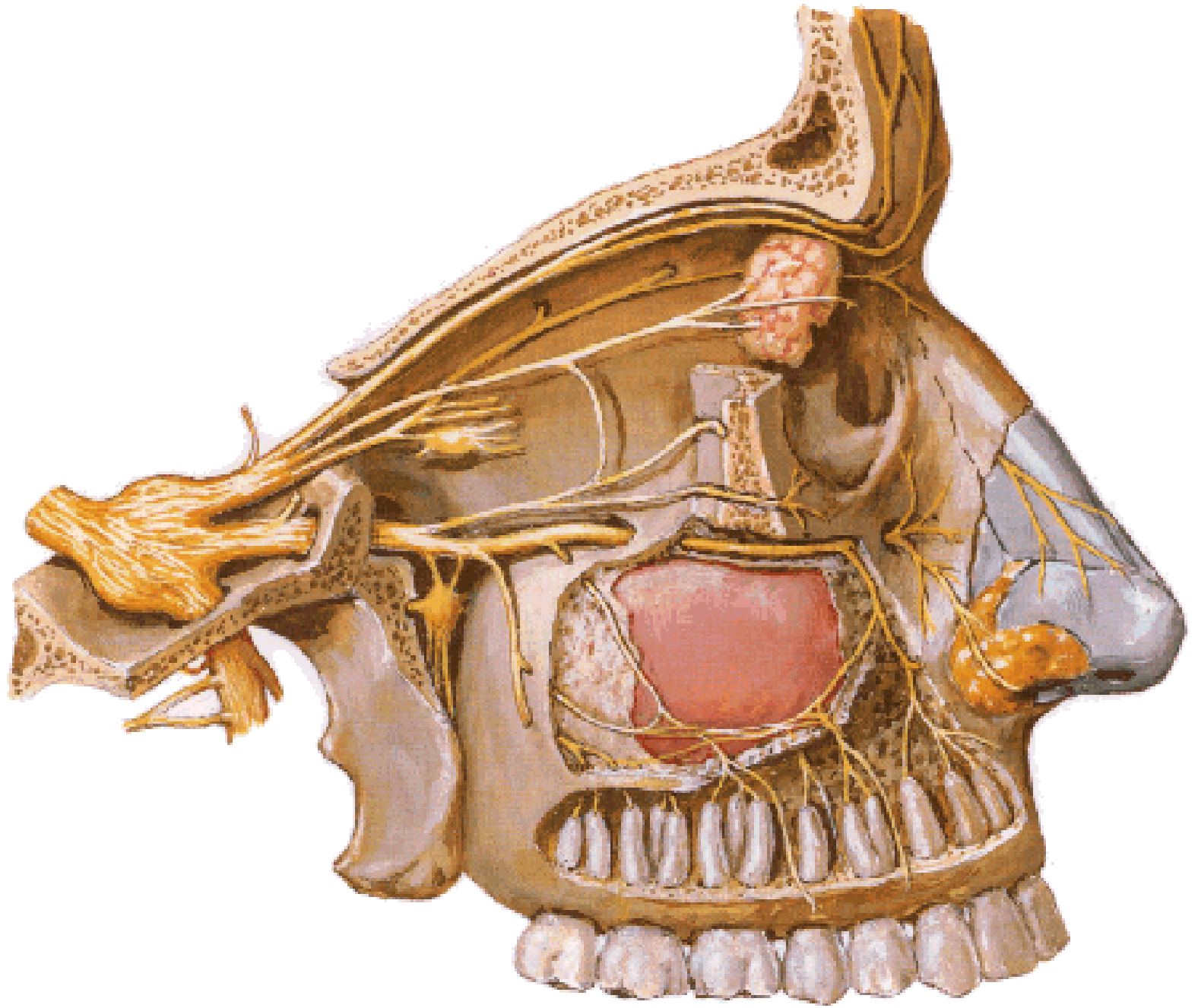


Innervation by pterygopalatine ggl.:

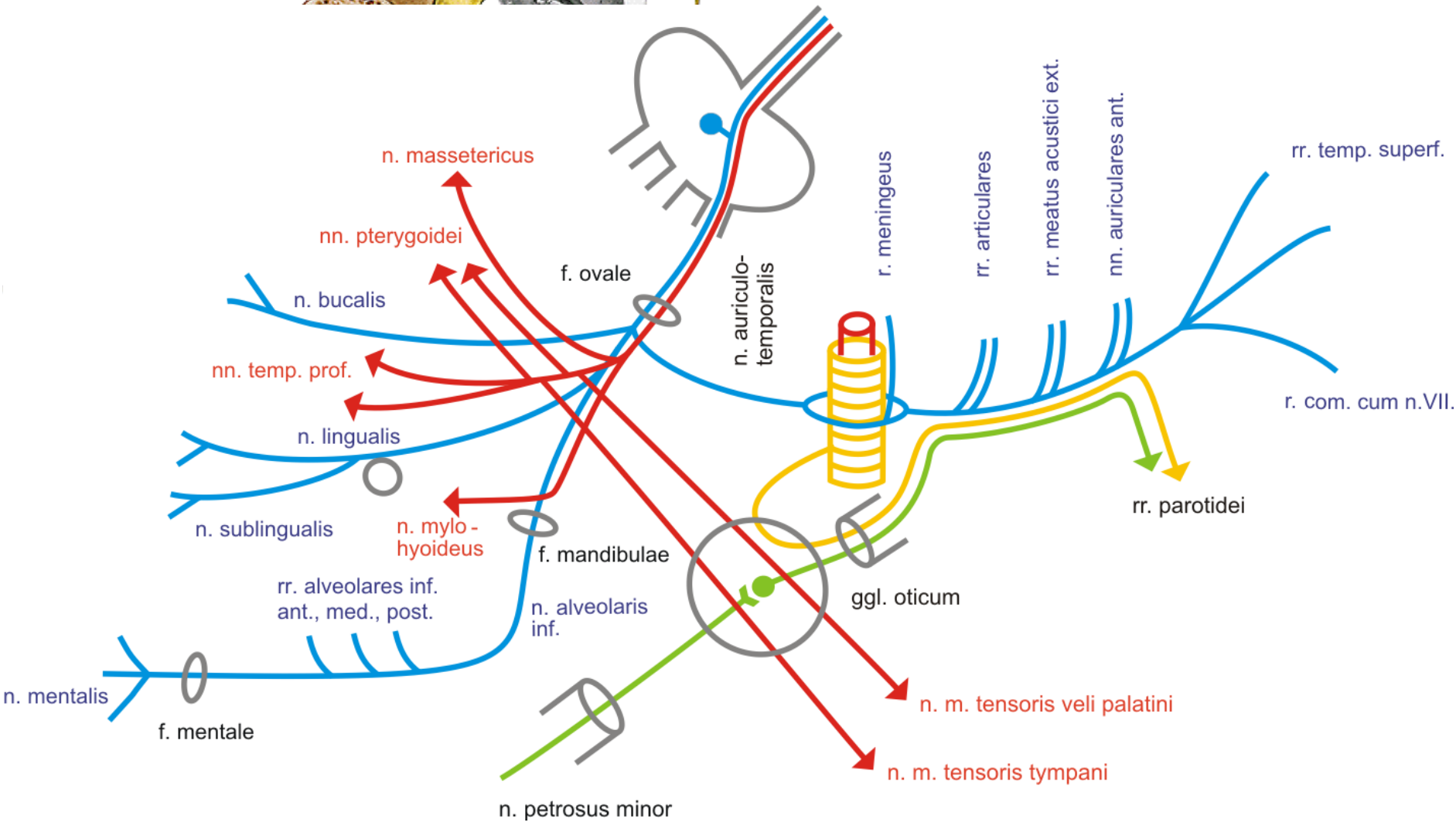
- gl. lacrimalis
- m. orbitalis
- mucosa of nasal cavity
- mucosa of soft and hard palate

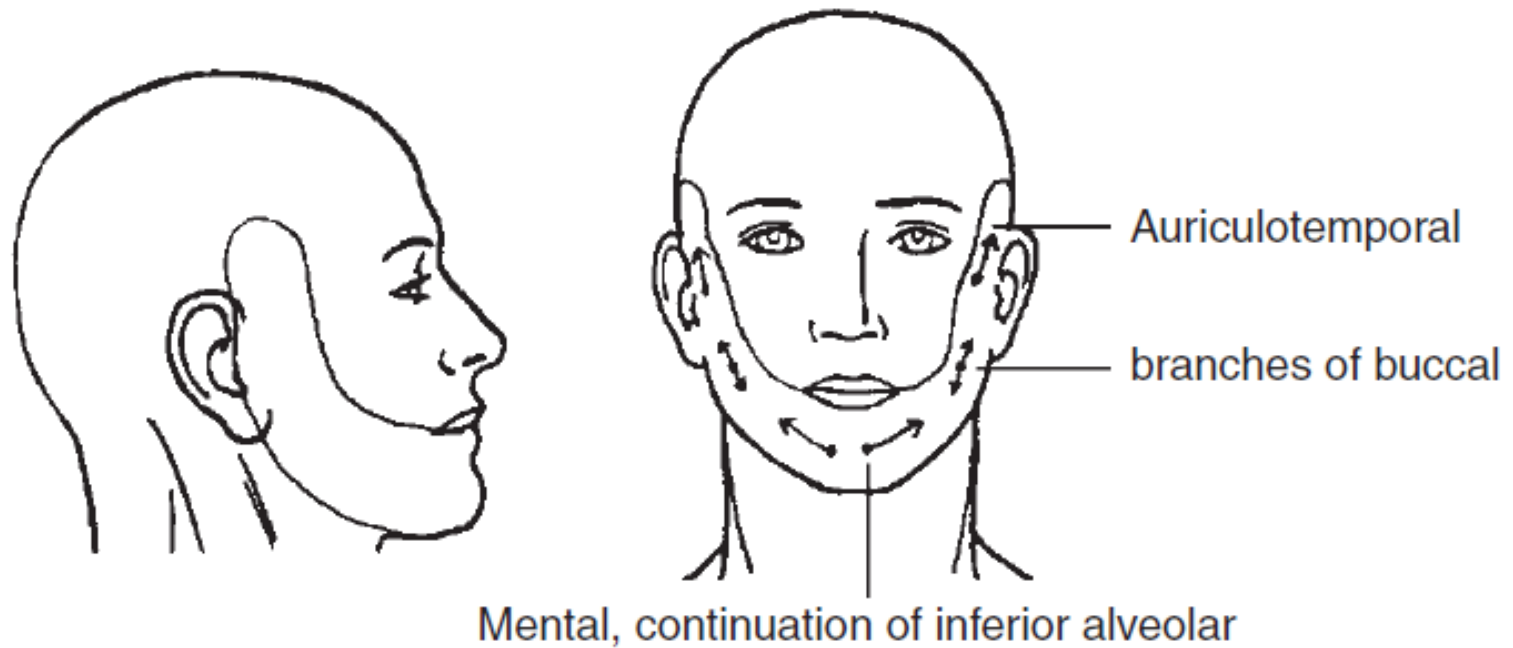
Typy nervových vláken

	senzorická		sympatická
	somatosenzorická		parasymptická



n. V/3 - n. mandibularis



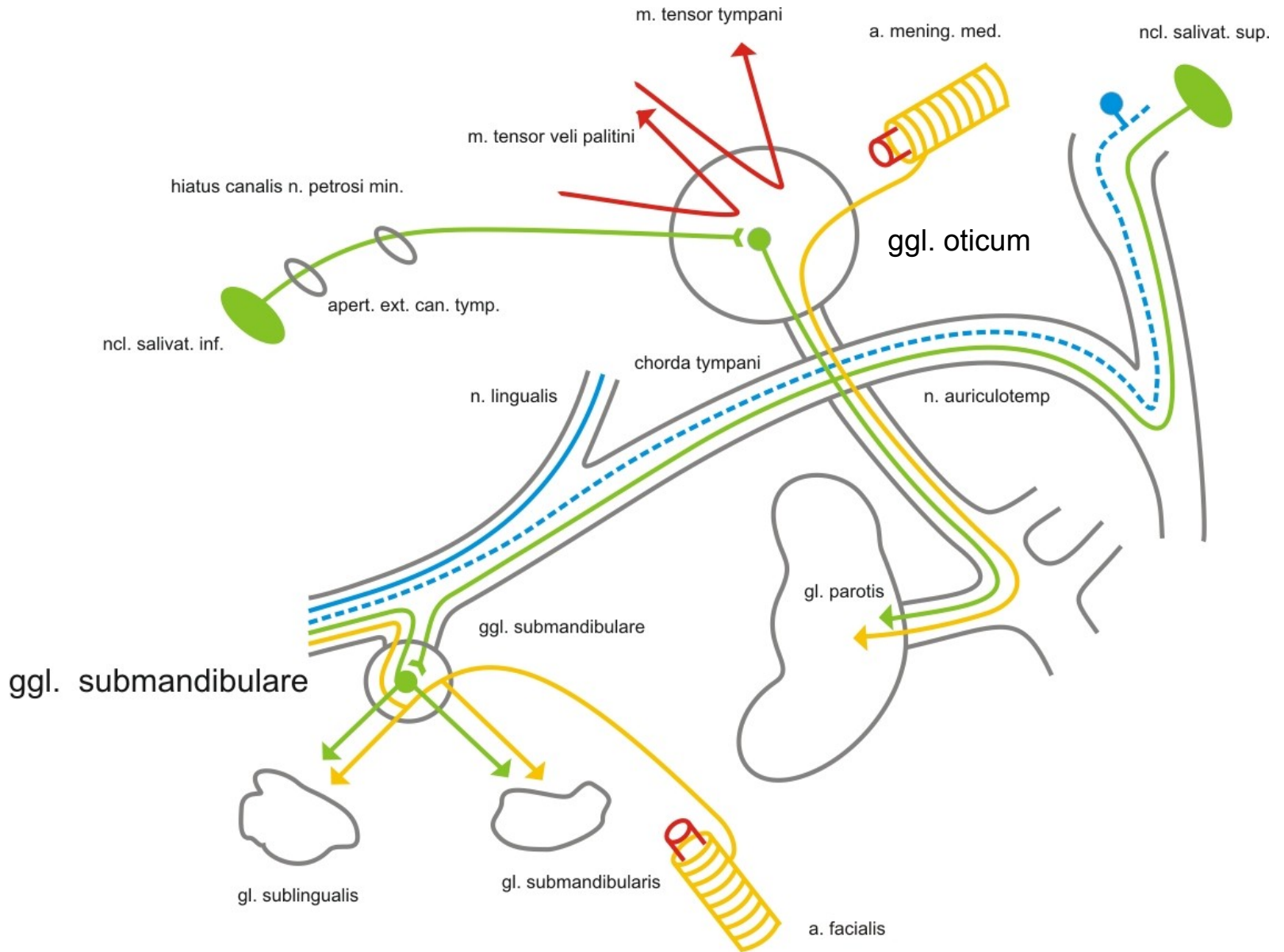


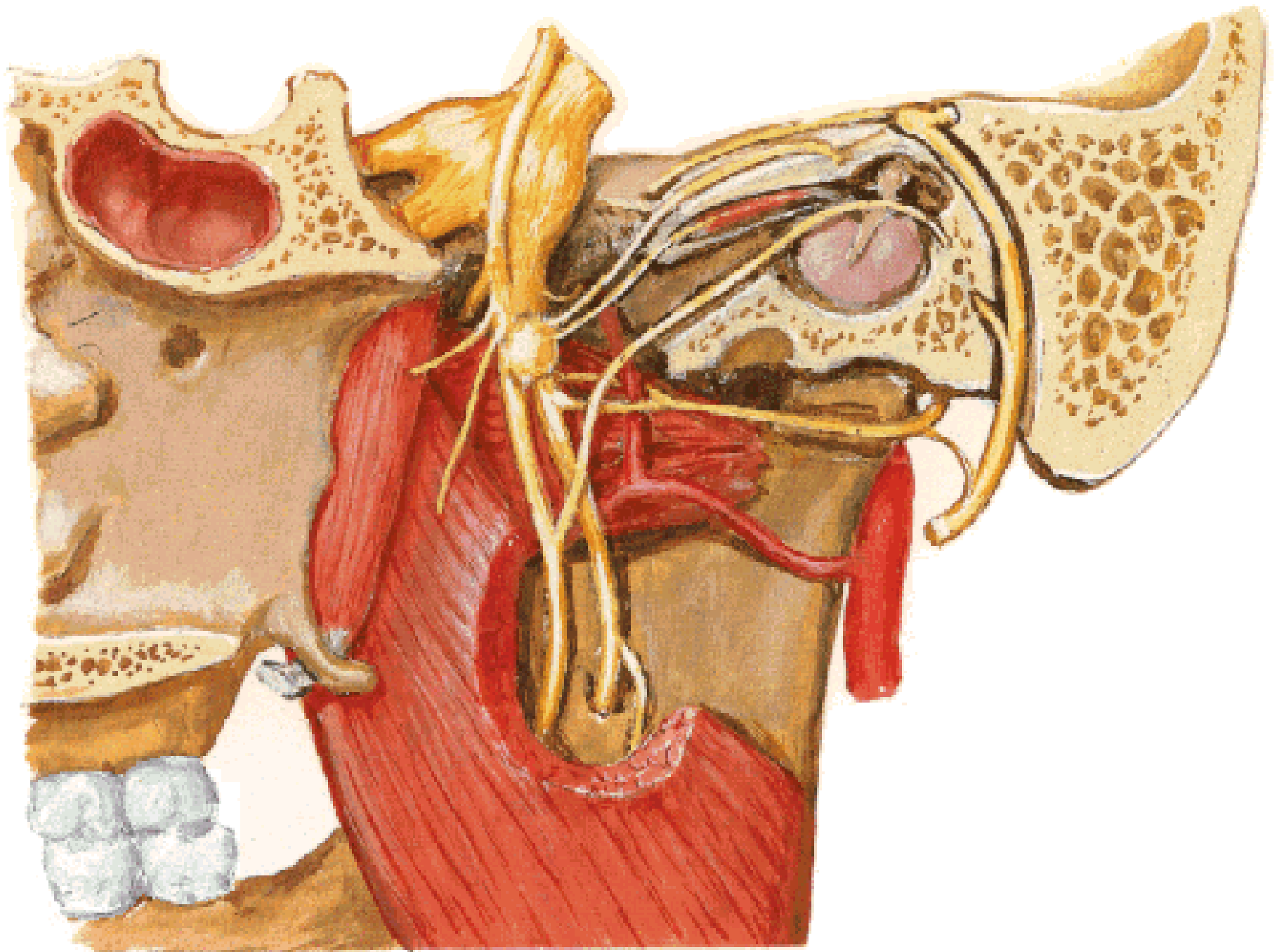
Somatosensory innervation by n. V/3:

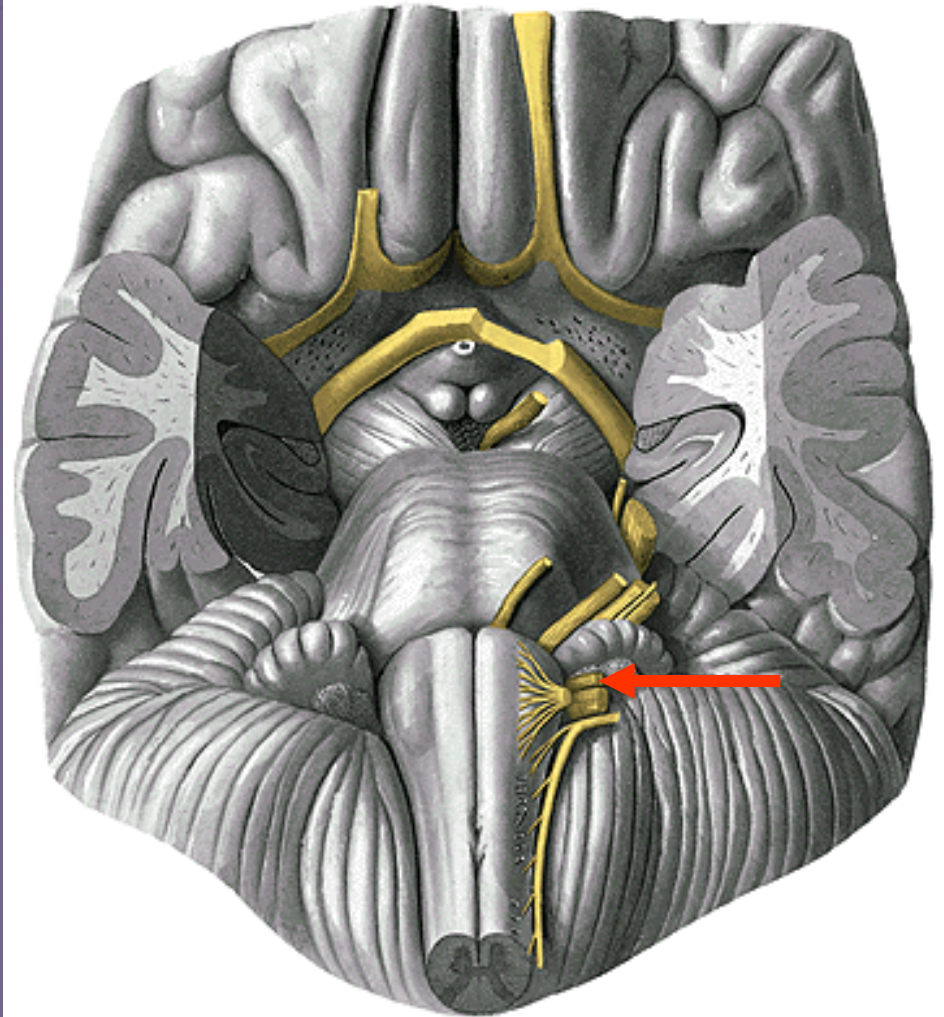
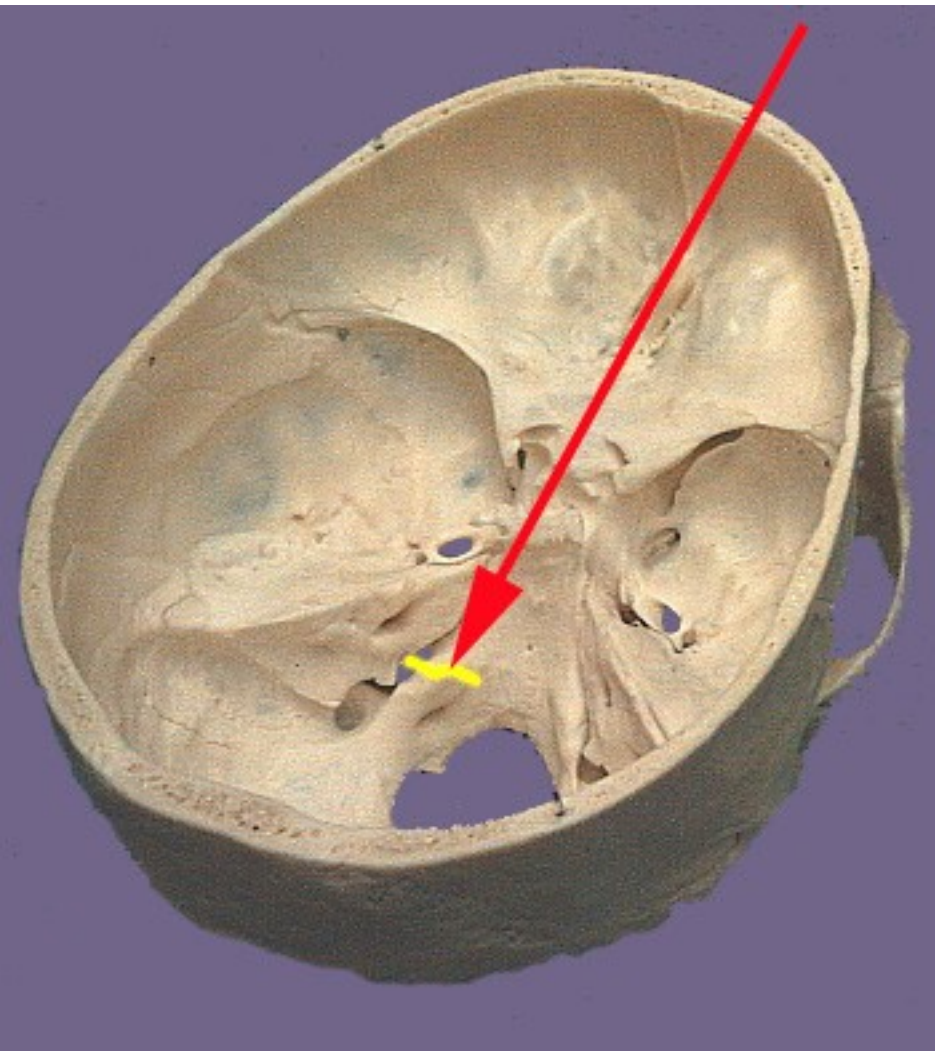
Skin of mandibula

Gingiva and teeth of mandibula

Ggl. oticum et submandibulare

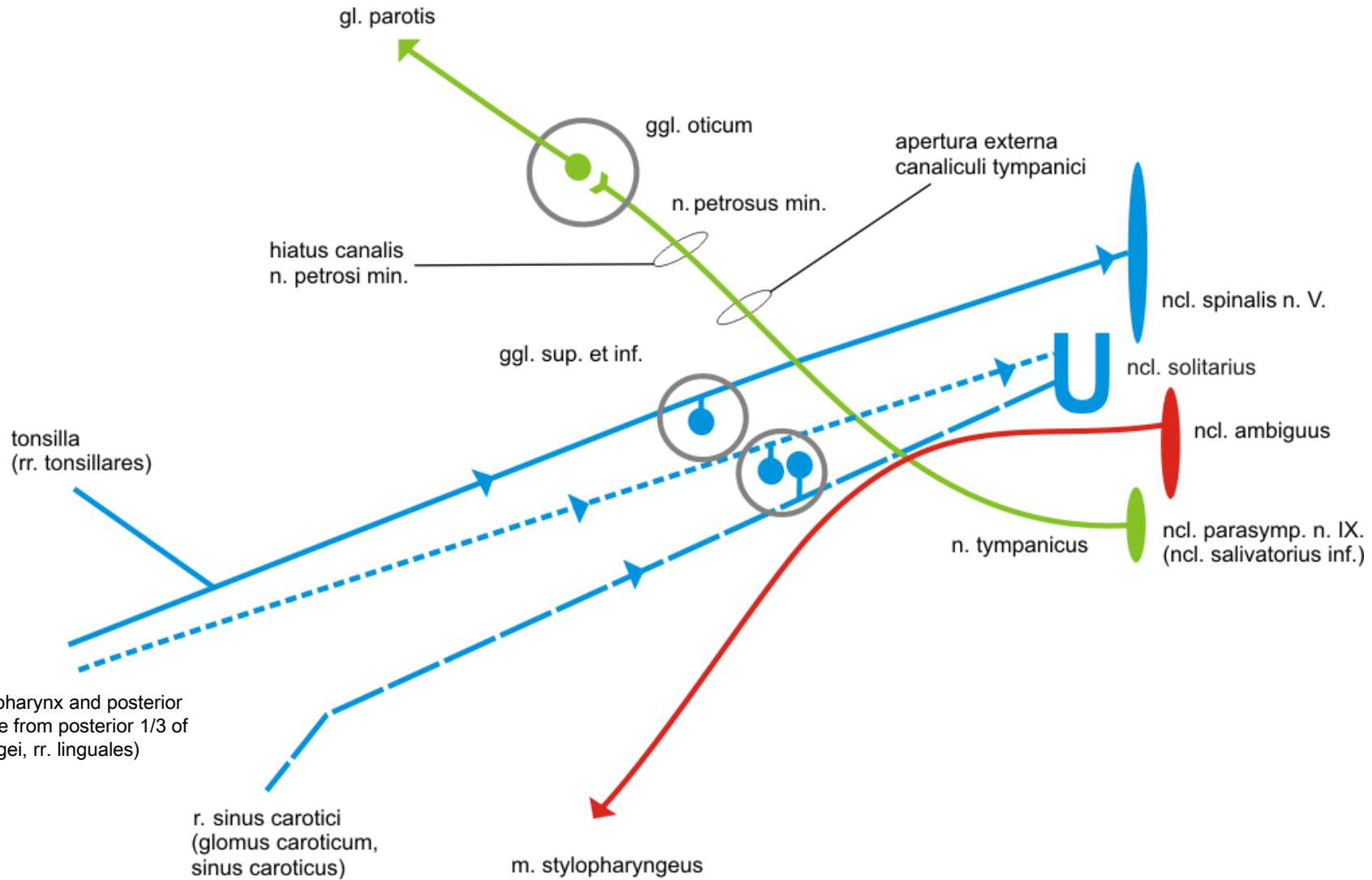






n. IX.

n. IX.



Innervation by n. IX:

Somatosensory

- Pharyngeal mucosa
- Tonsilla palatina, tuba auditiva
- Mucosa of posterior 1/3 of tongue

Sensory (taste)

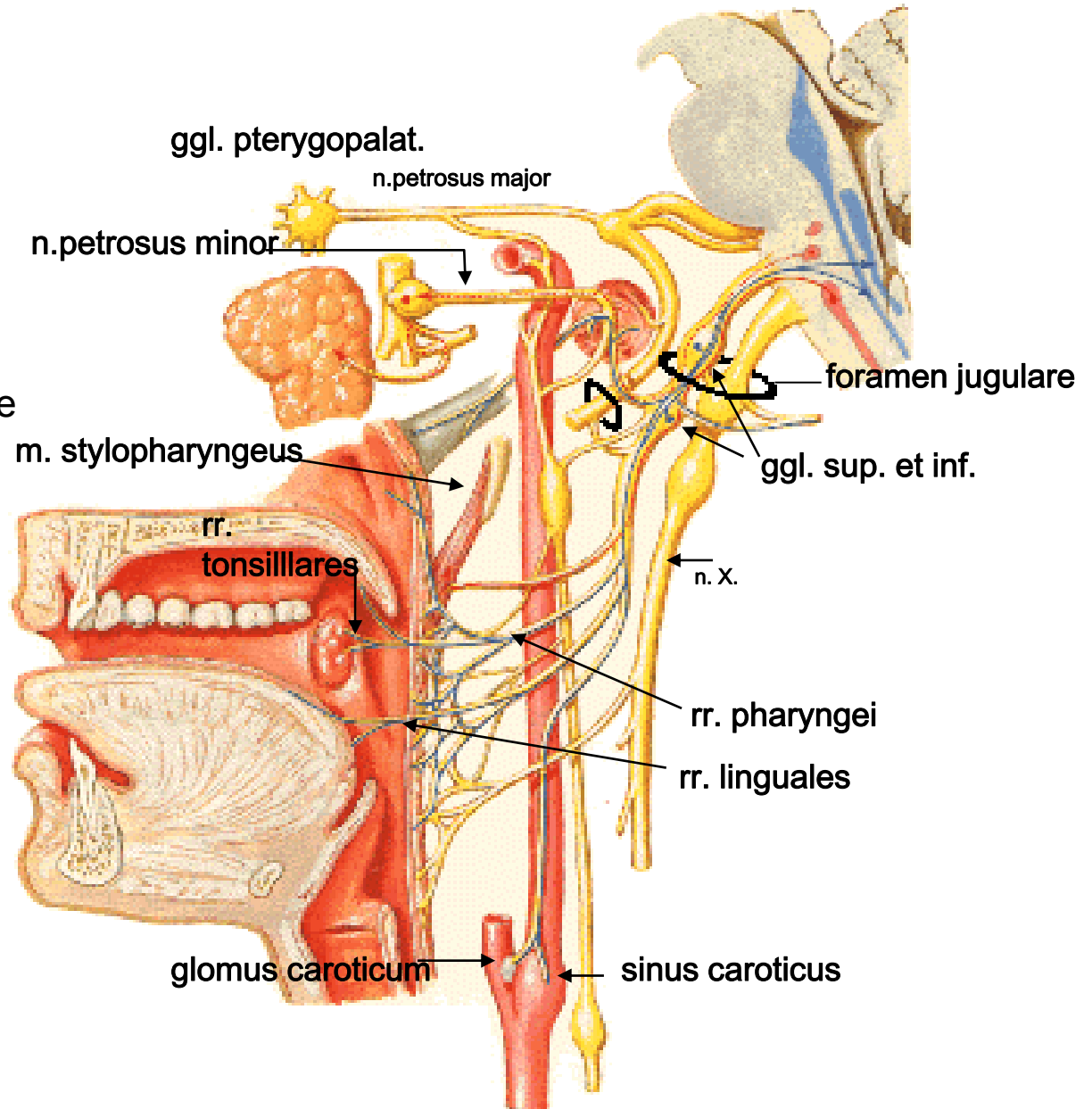
- Taste buds of posterior 1/3 of tongue

Viscerosensory

- Glomus caroticum
- Sinus caroticus

m. stylopharyngeus

gl. parotis



Innervation by n. IX:

Somatosensory

- Pharyngeal mucosa
- Tonsilla palatina, tuba auditiva
- Mucosa of posterior 1/3 of tongue

Sensory (taste)

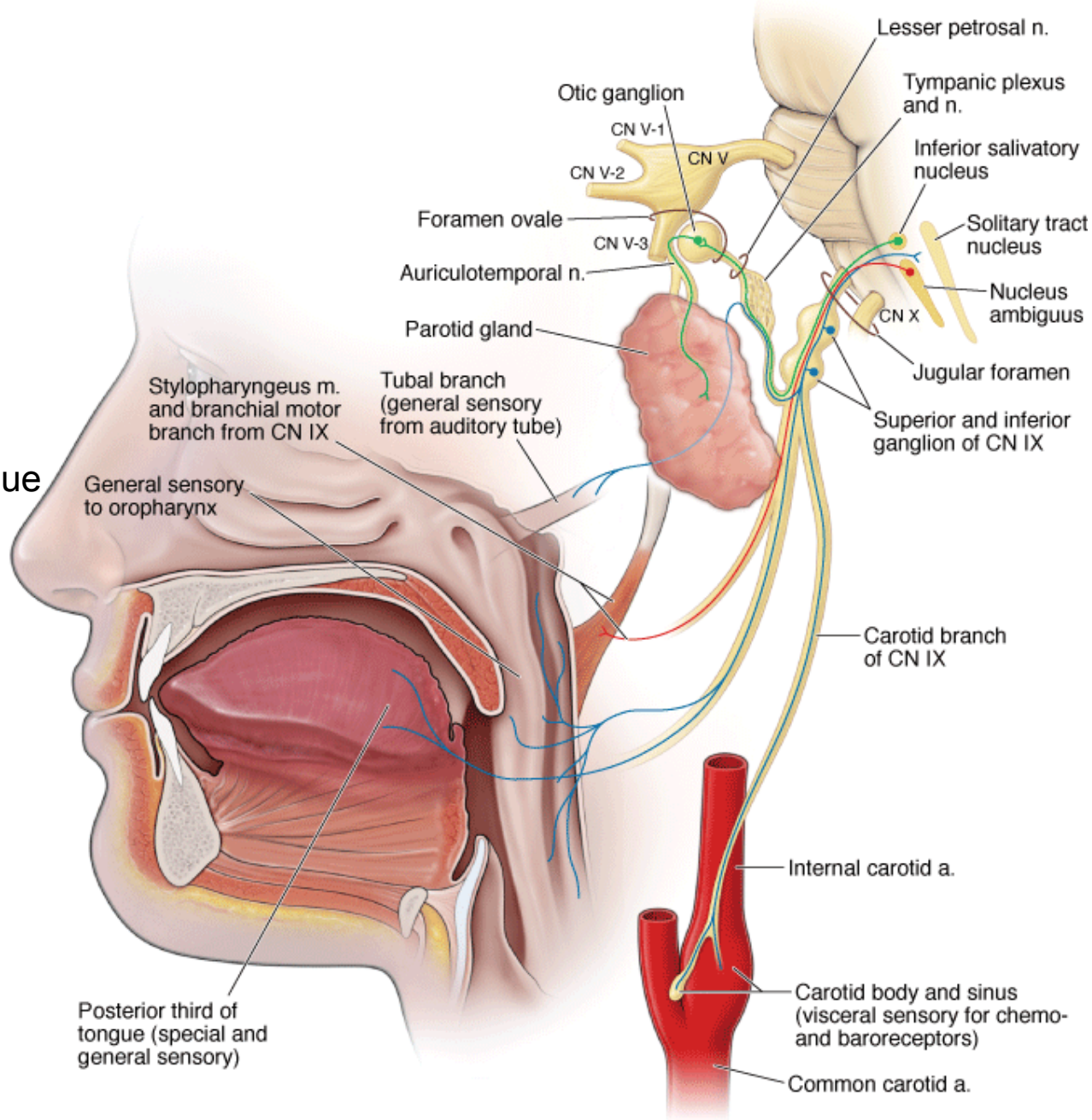
- Taste buds of posterior 1/3 of tongue

Viscerosensory

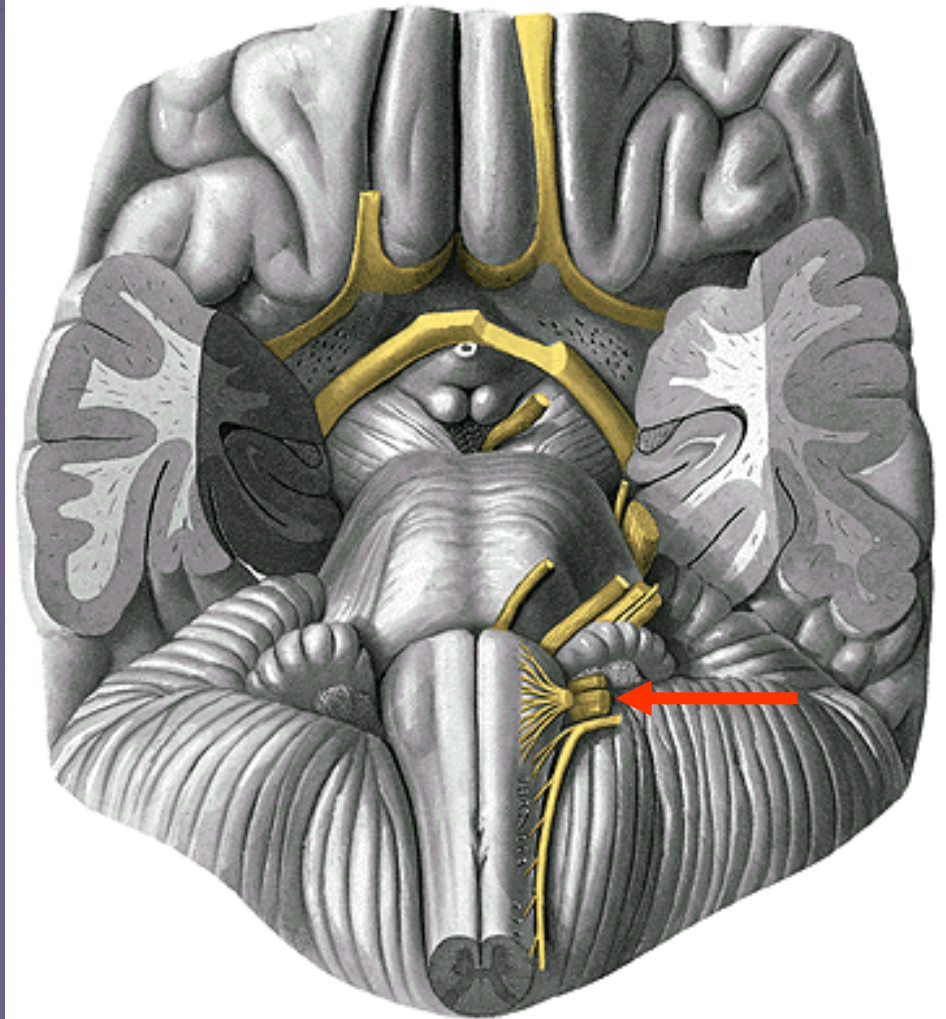
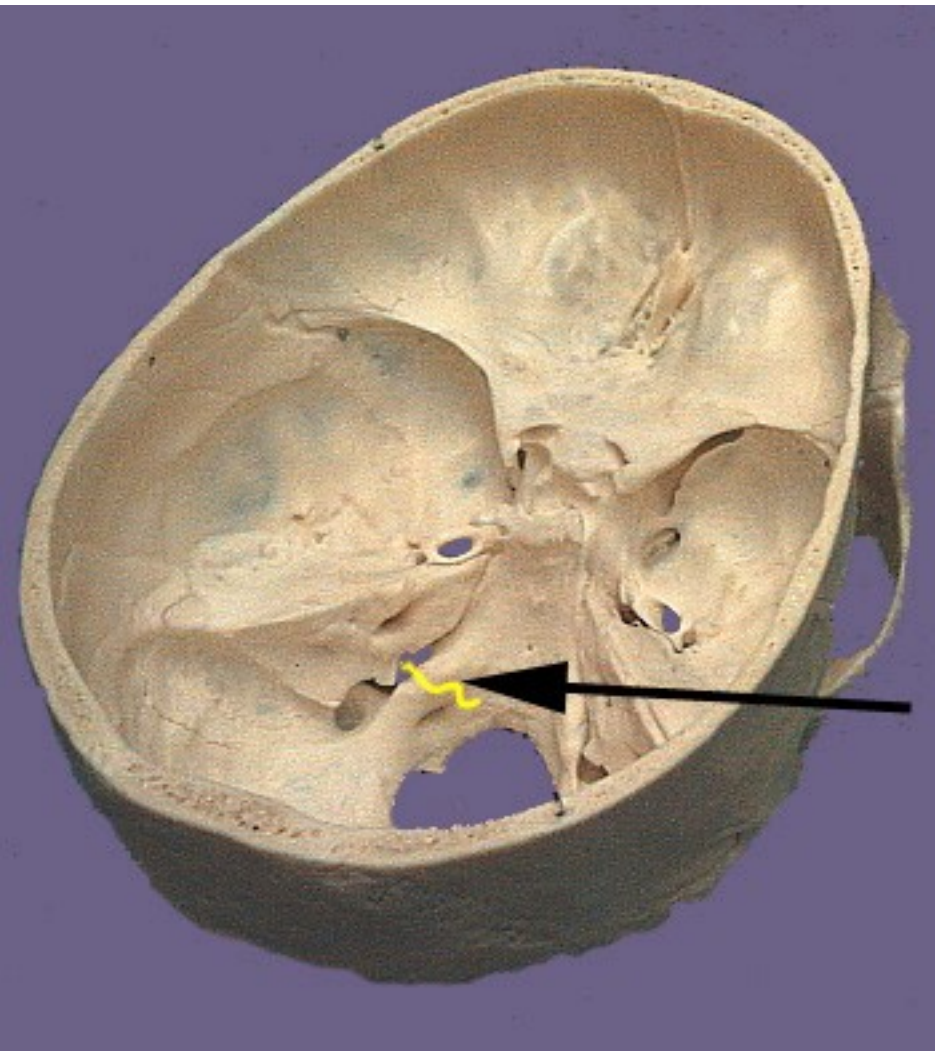
- Glomus caroticum
- Sinus caroticus

m. stylopharyngeus

gl. parotis

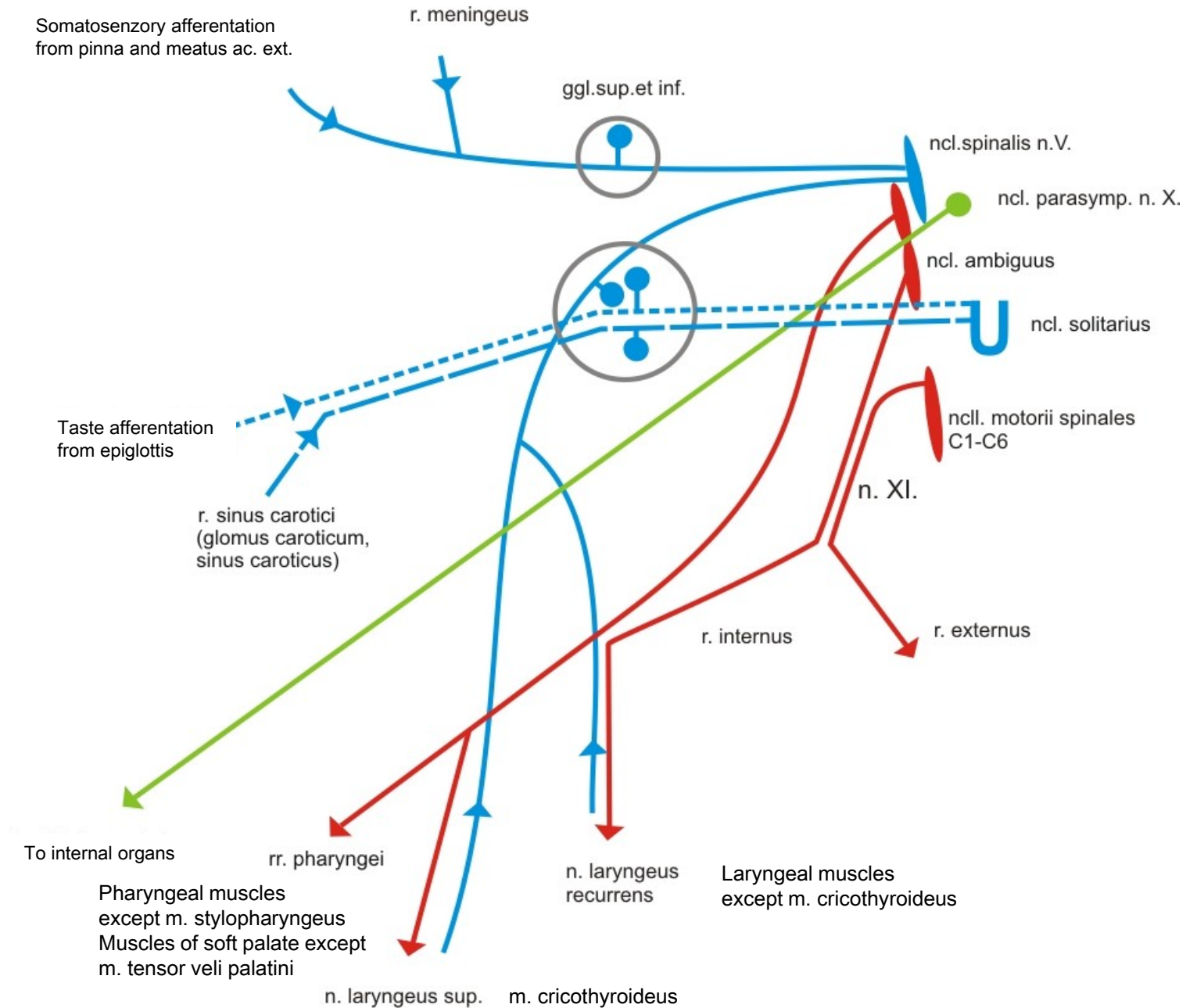


Source: Morton DA, Foreman KB, Albertine KH: *The Big Picture: Gross Anatomy*: www.accessmedicine.com
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n. X.

n. X.



Vagus nerve branches

r. **m**eningeus

rr **a**uriculares

rr. **p**haryngei

rr. **l**aryngei sup.

rr. **c**ardiaci cervicales sup.

n. laryngeus **r**ecurrens n. lar. inf.

rr. **c**ardiaci cervicales inf.

rr. **c**ardiaci thoracici

rr. **b**ronchiales

rr. tracheales,

rr. **o**esophagei, plexus oesophageus,

plexus pulmonalis

truncus vagalis ant., post. -----rr. **g**astrici ant. post.,

rr. **c**oeliaci

rr. **h**epatici

rr. **r**enales

Innervation by n. X:

Somatosensory

Pinna and meatus acusticus ext.
Meninges, mucosa of larynx

Sensory (taste)

Taste buds of epiglottis

Viscerosensory

Glomus caroticum
Sinus caroticus

Branchiomotor

Pharyngeal muscles except m. stylopharyngeus
Muscles of soft palate except m. tensor veli palatini
Laryngeal muscles
m. cricothyroideus – n. laryngeus sup., r. externus
Rest laryngeal muscles – n. laryngeus recurrens

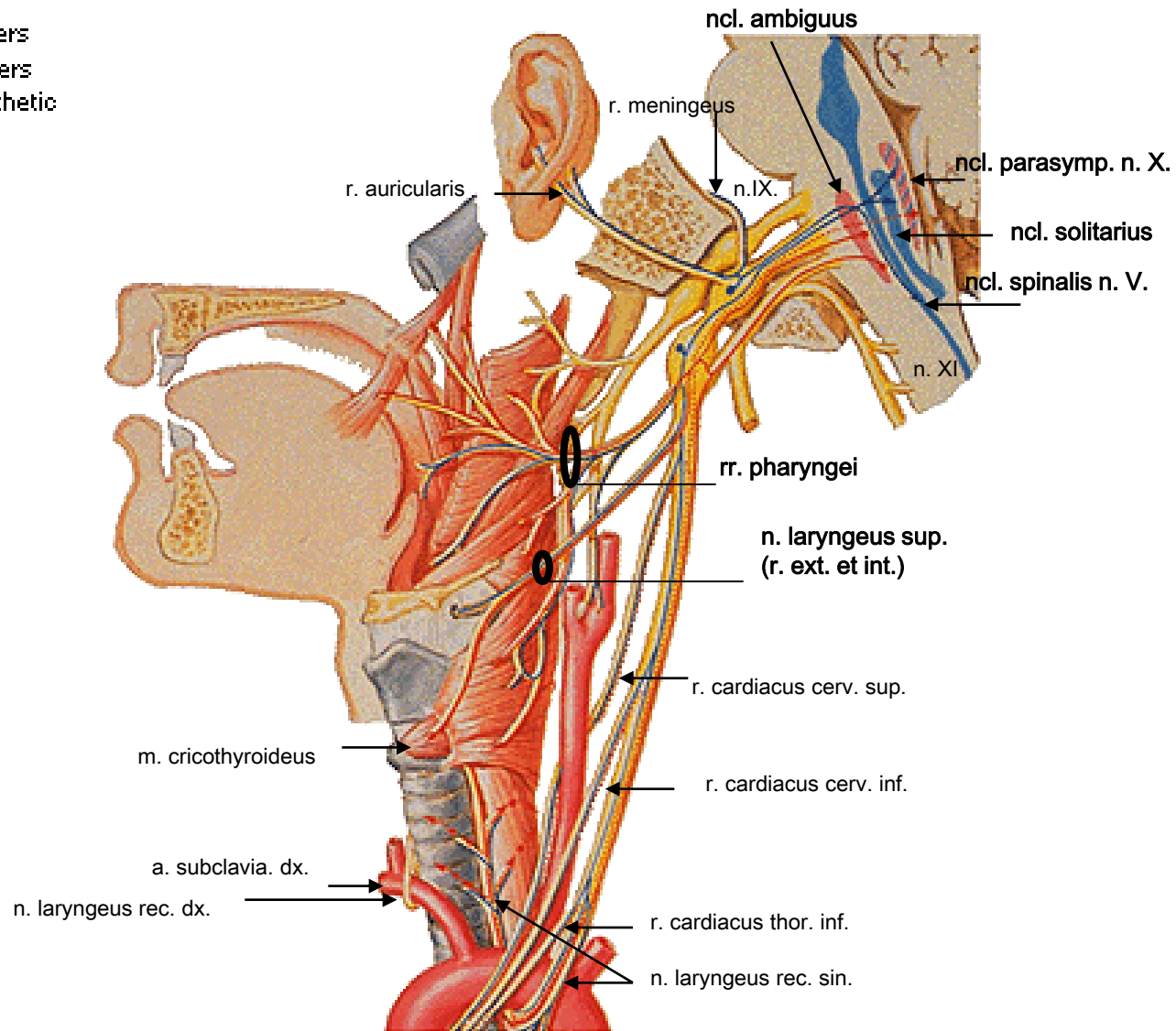
Visceromotor

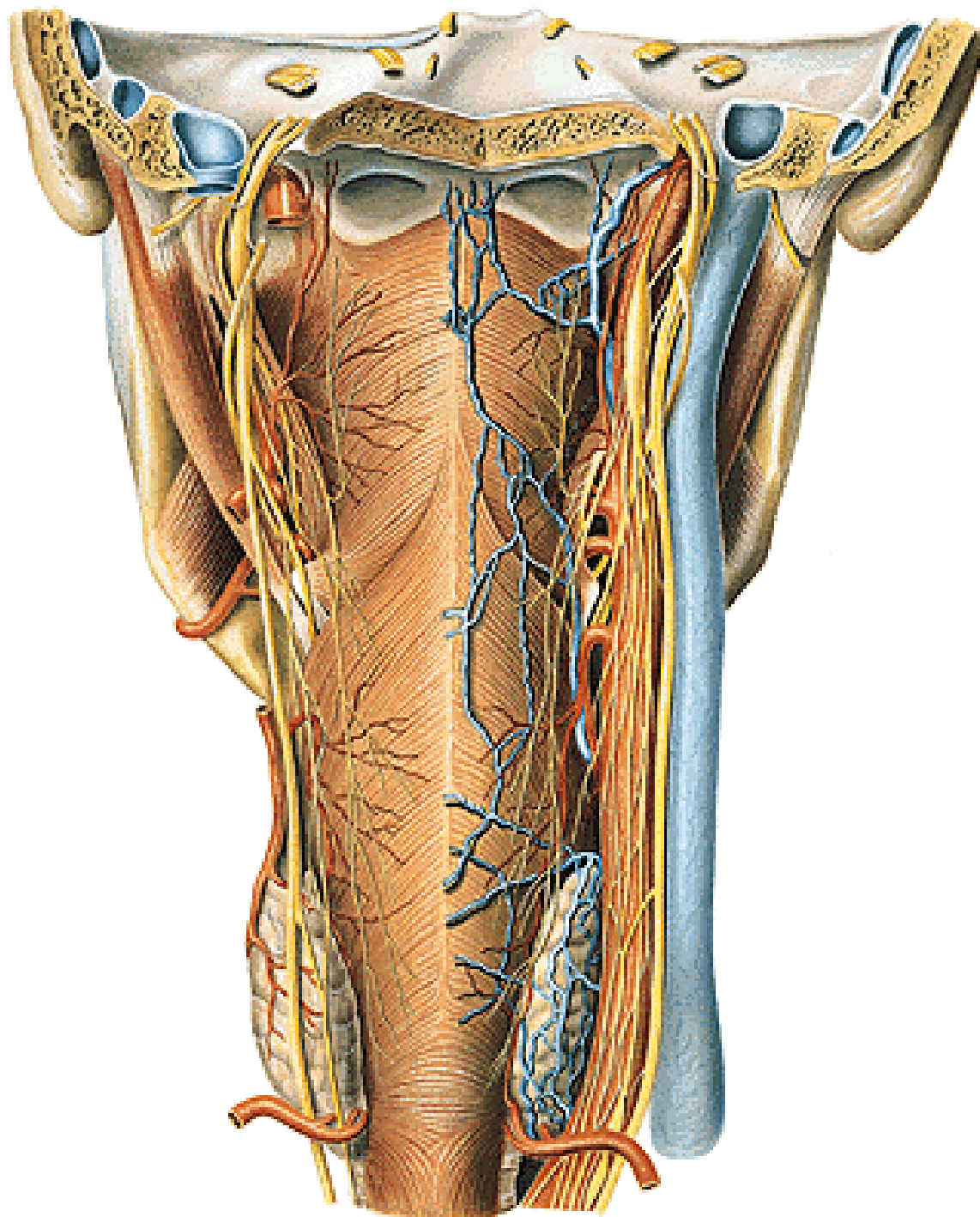
Internal organs

Vagus Nerve

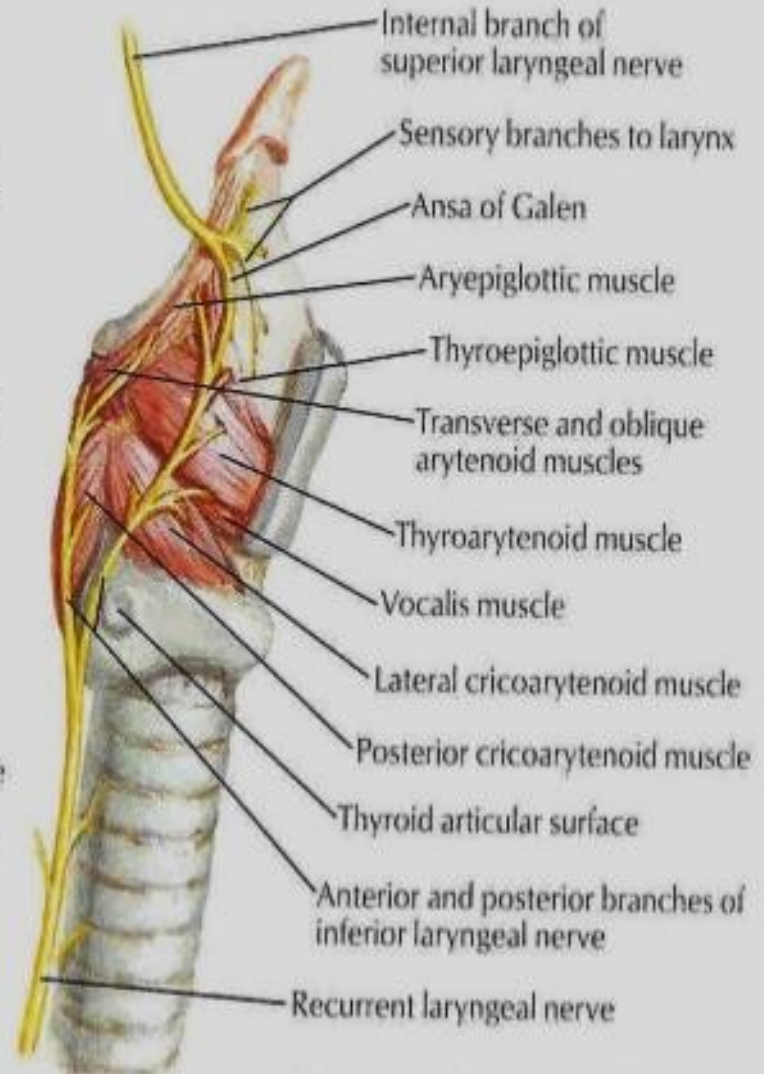
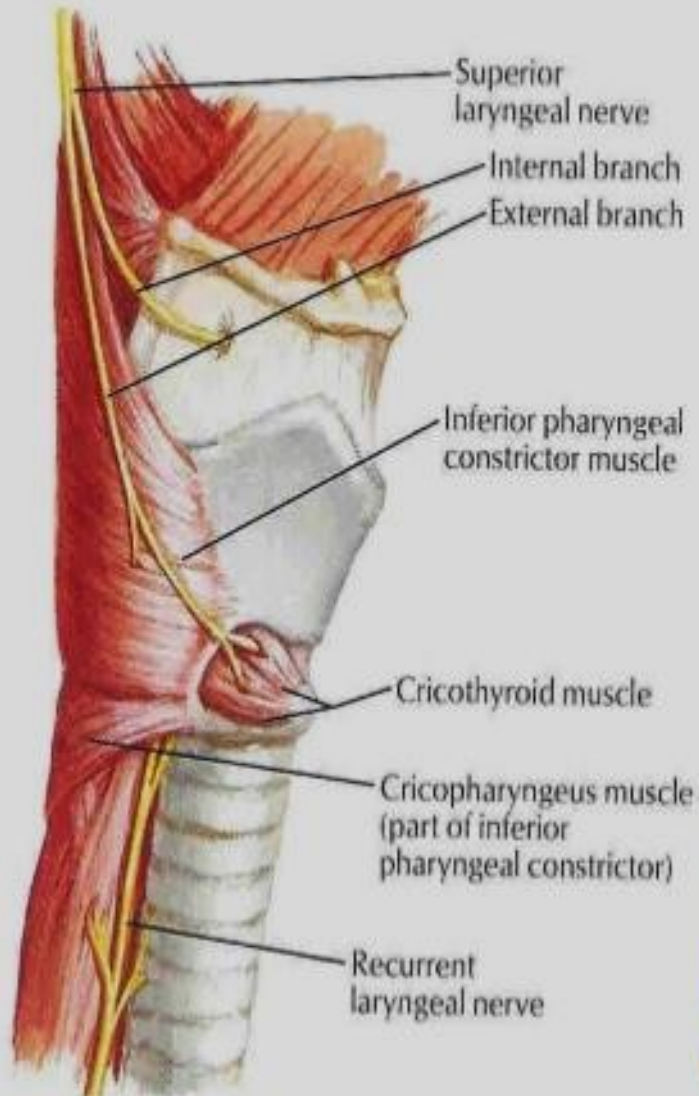
Schema - Enlargement of Proximal Portions

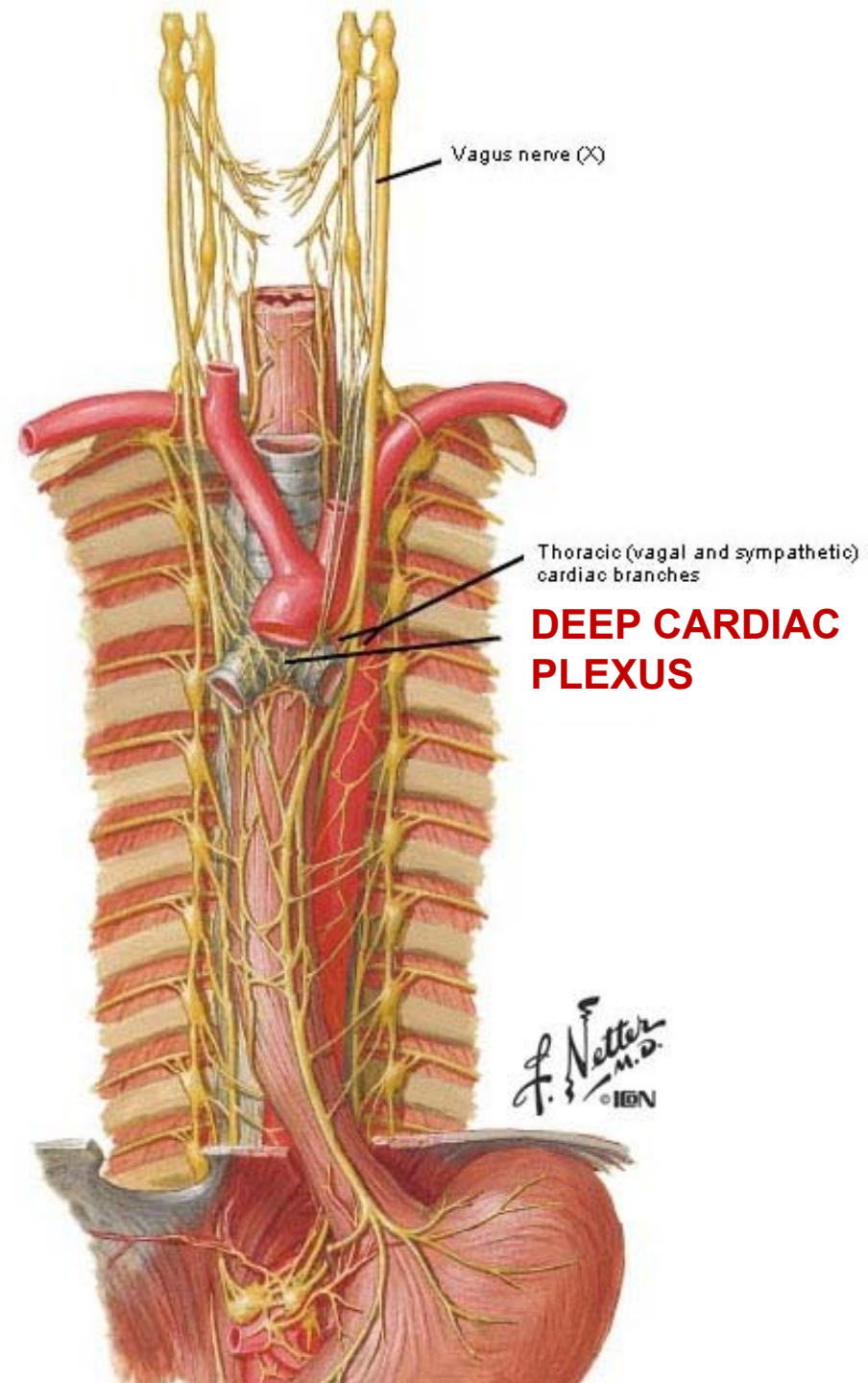
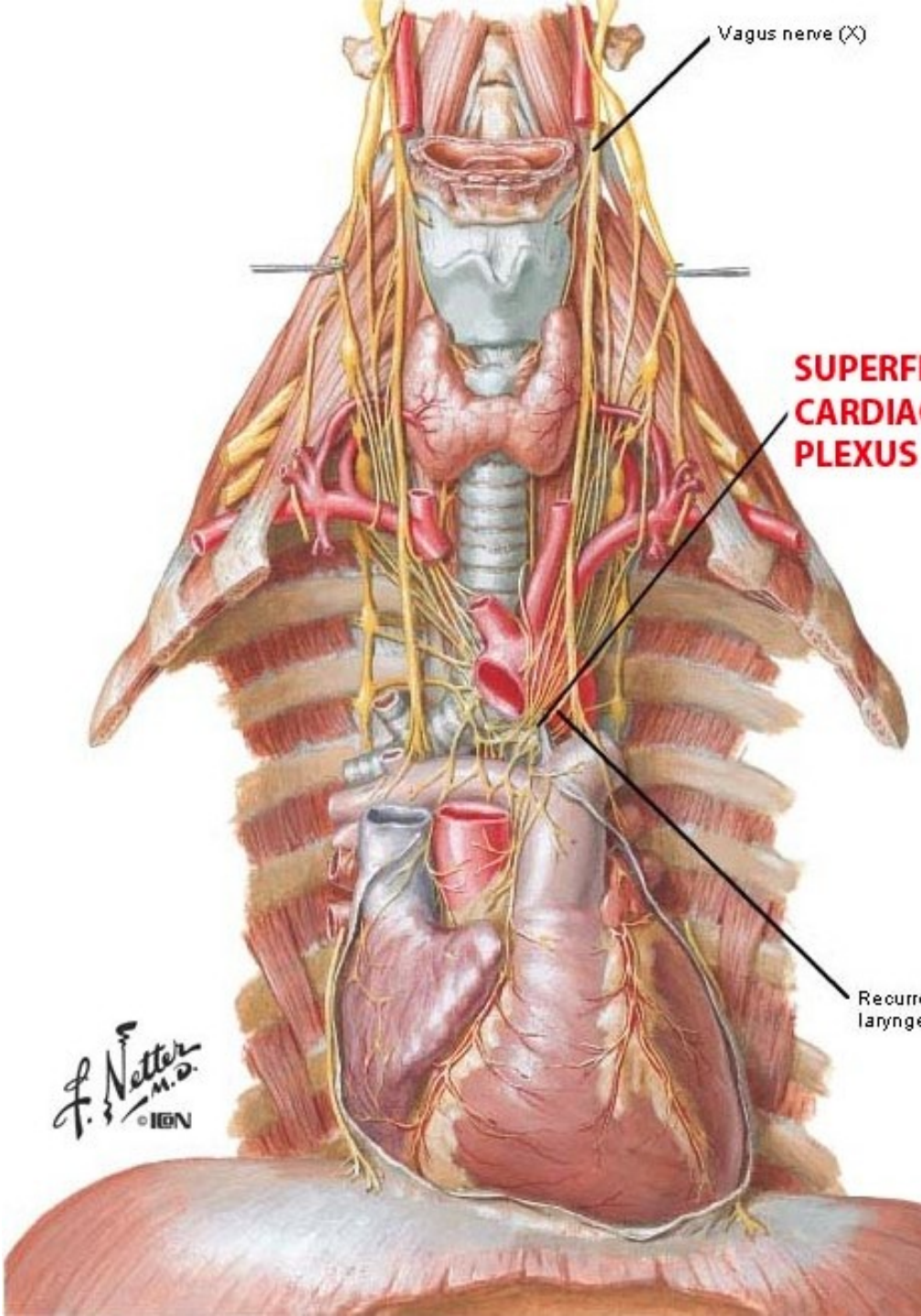
- Efferent fibers
- Afferent fibers
- ⋯ Parasympathetic fibers

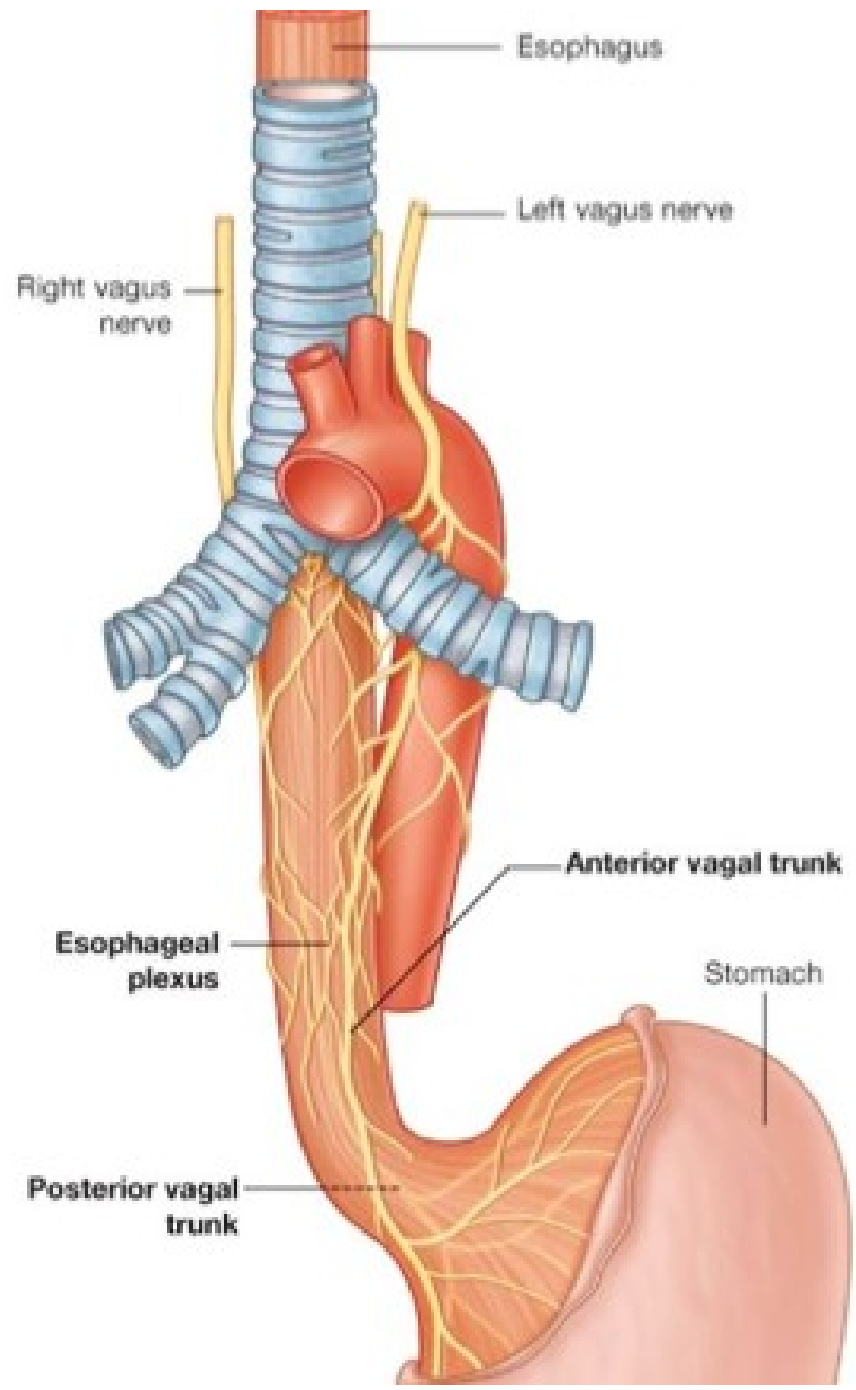


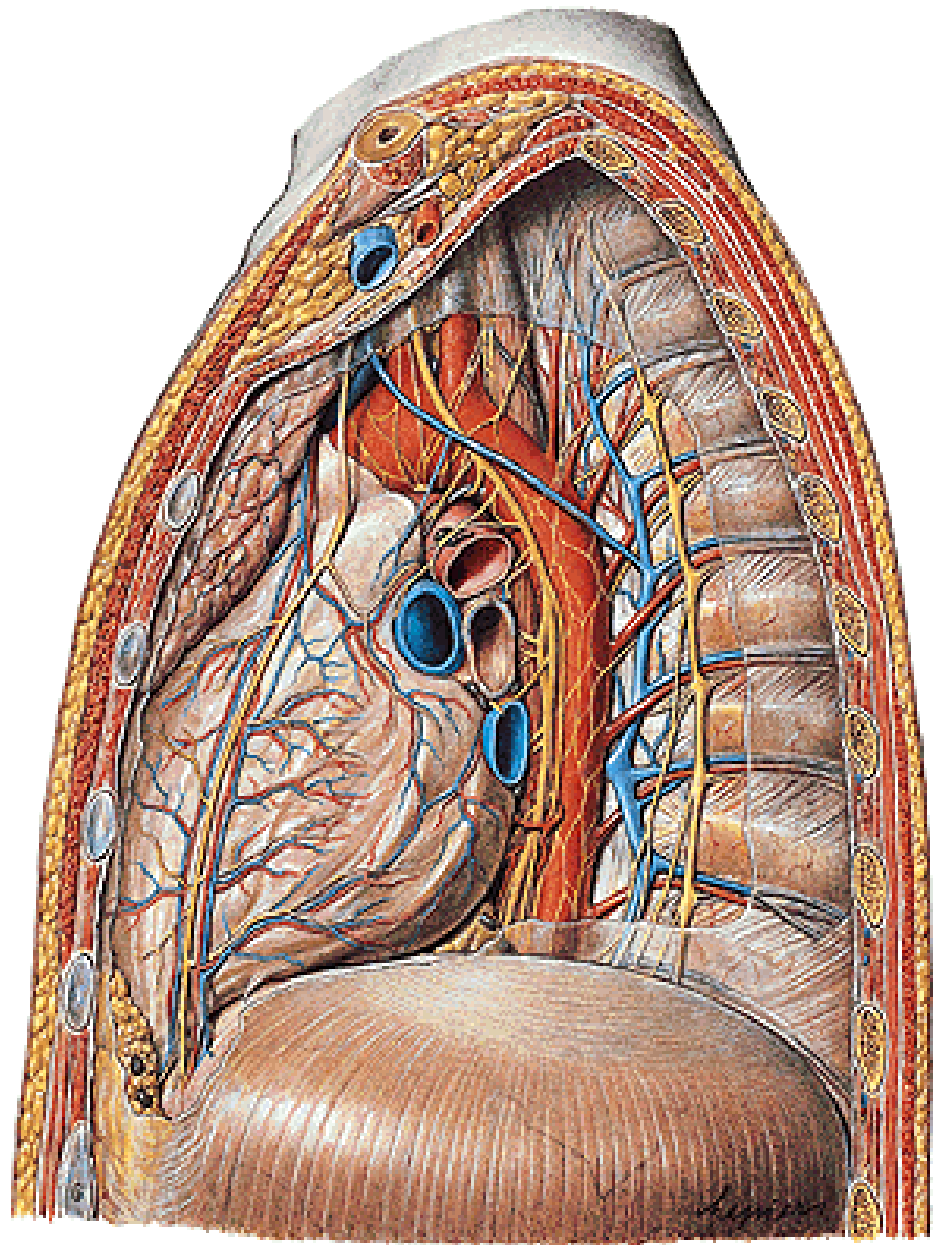
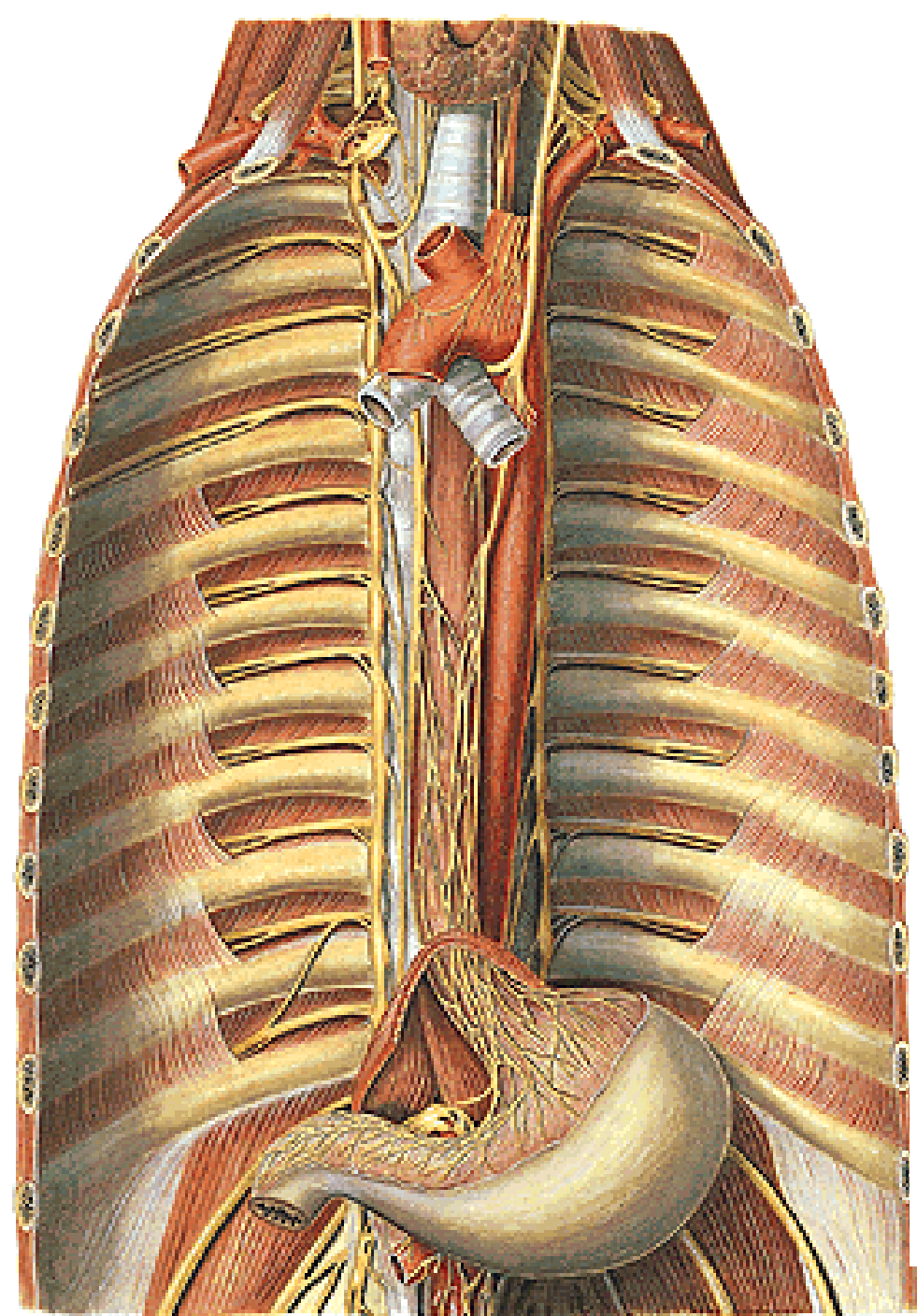


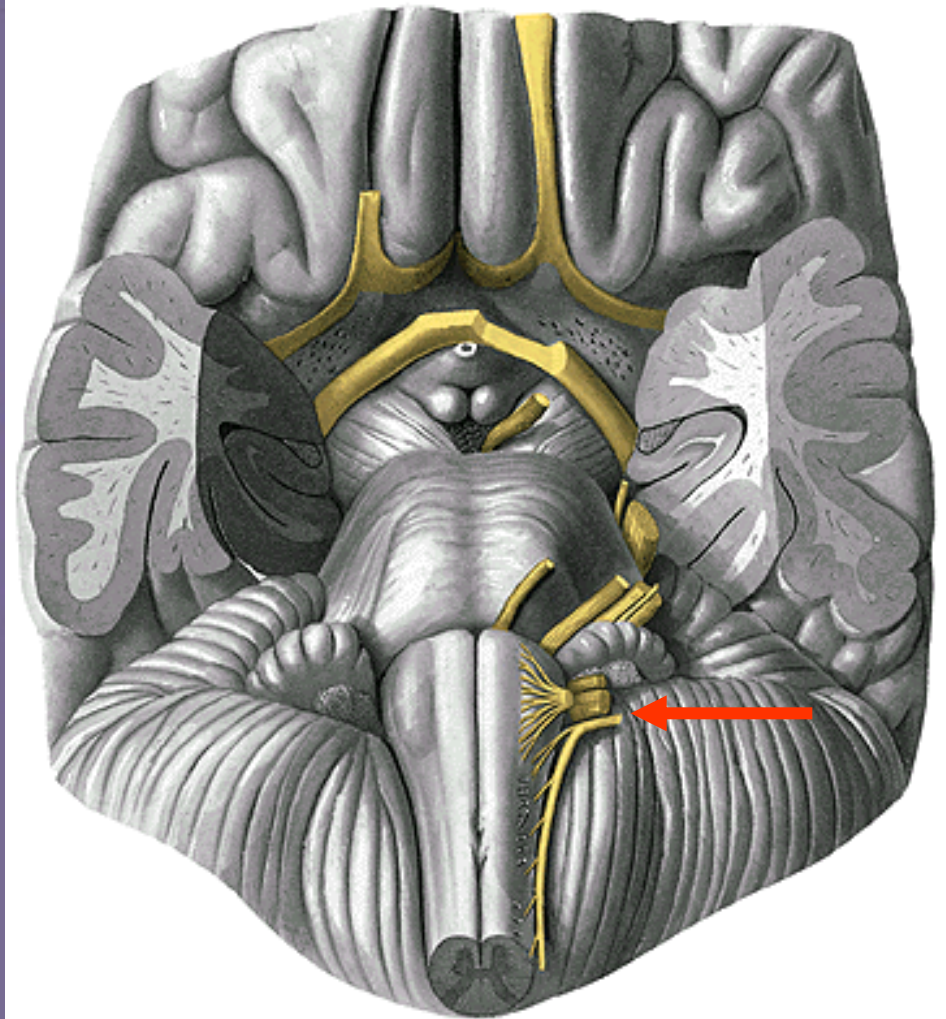
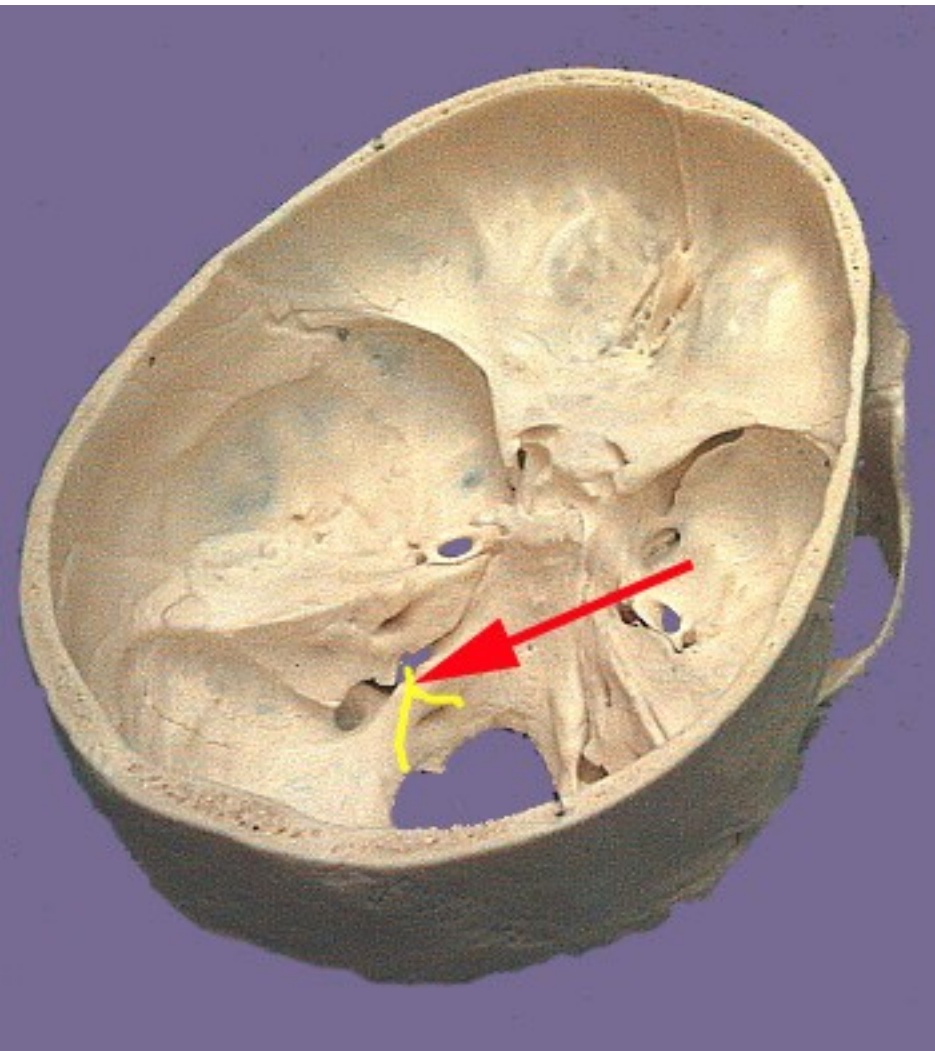
NERVE SUPPLY OF LARYNX





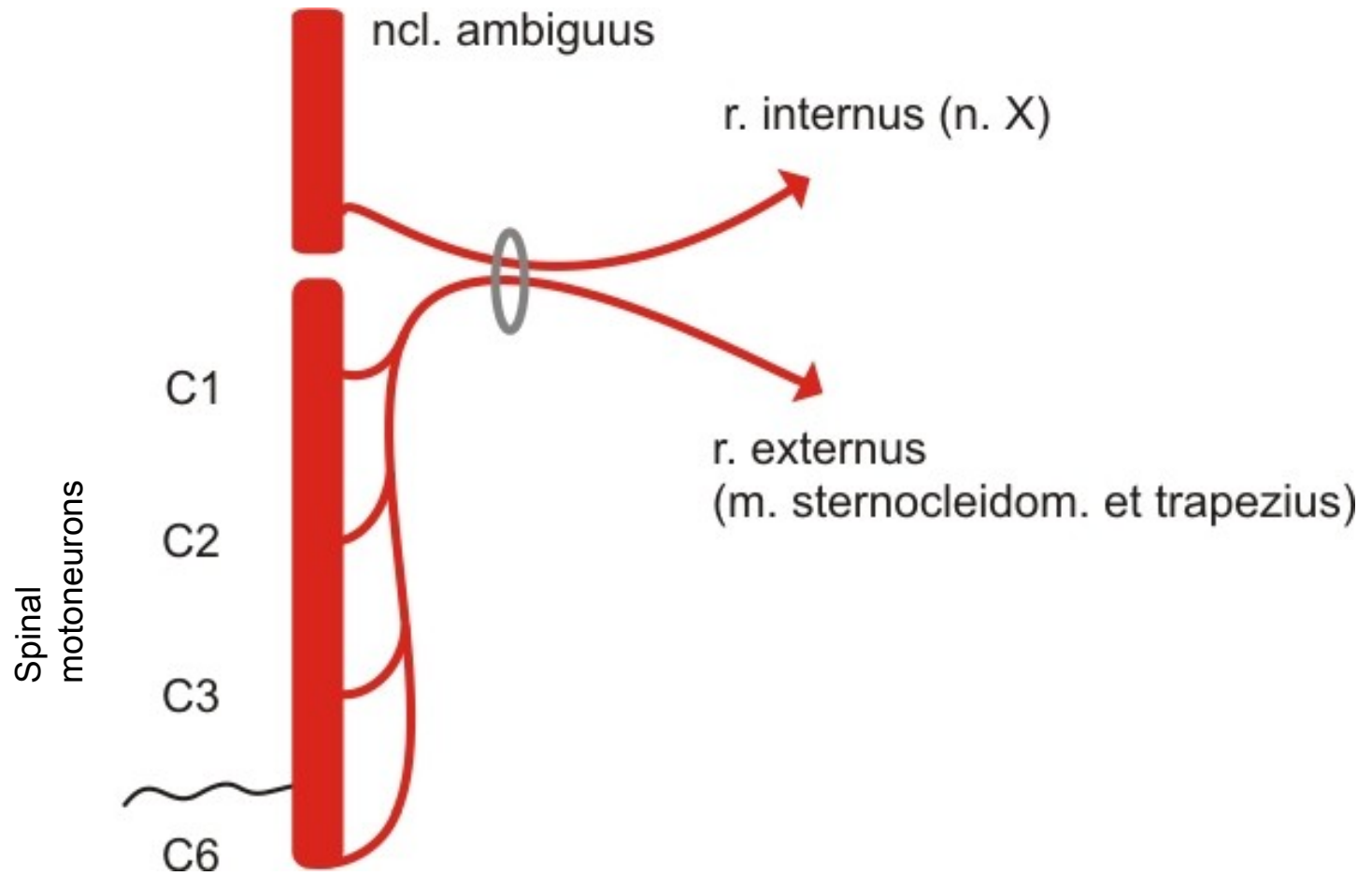






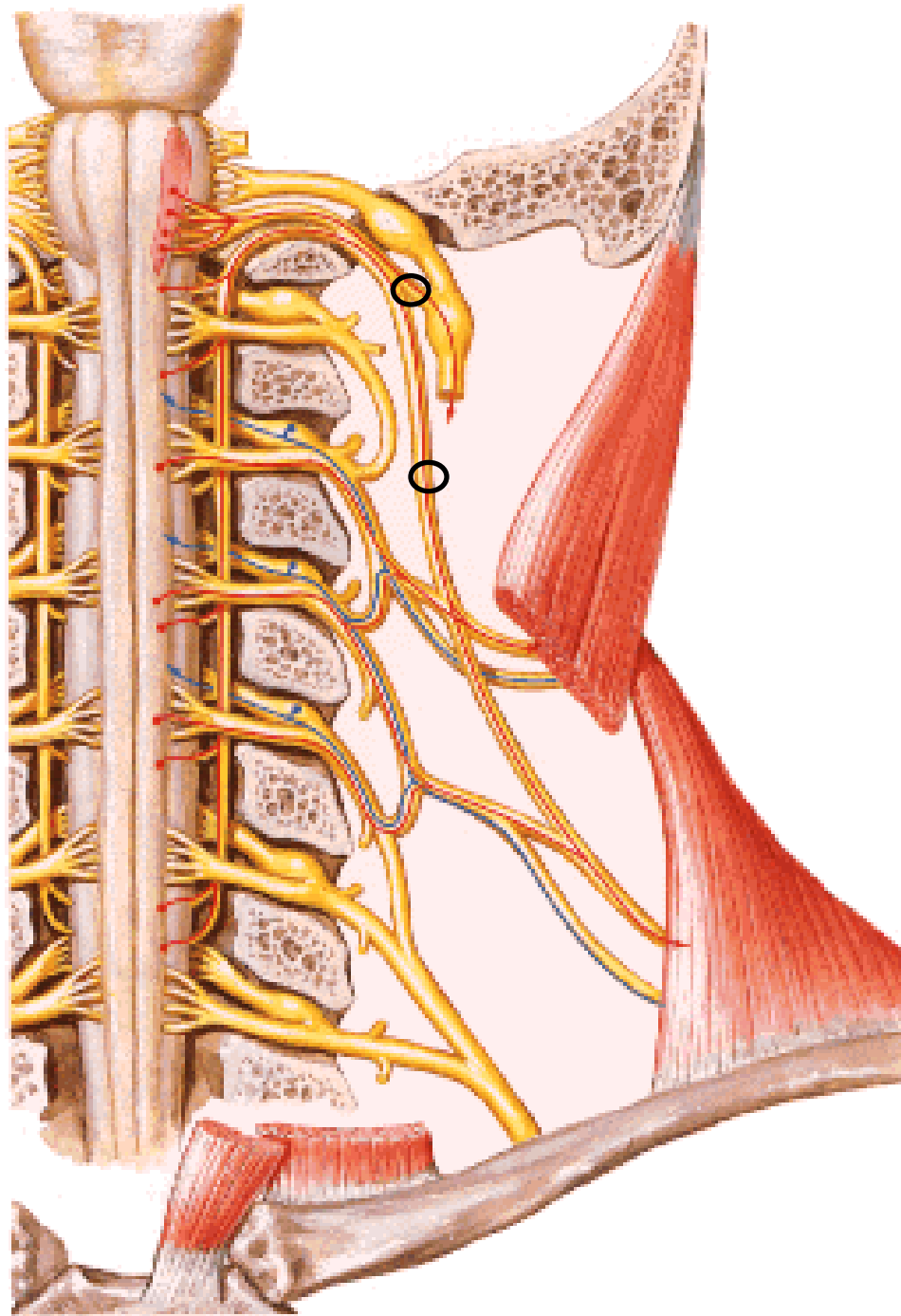
n. XI.

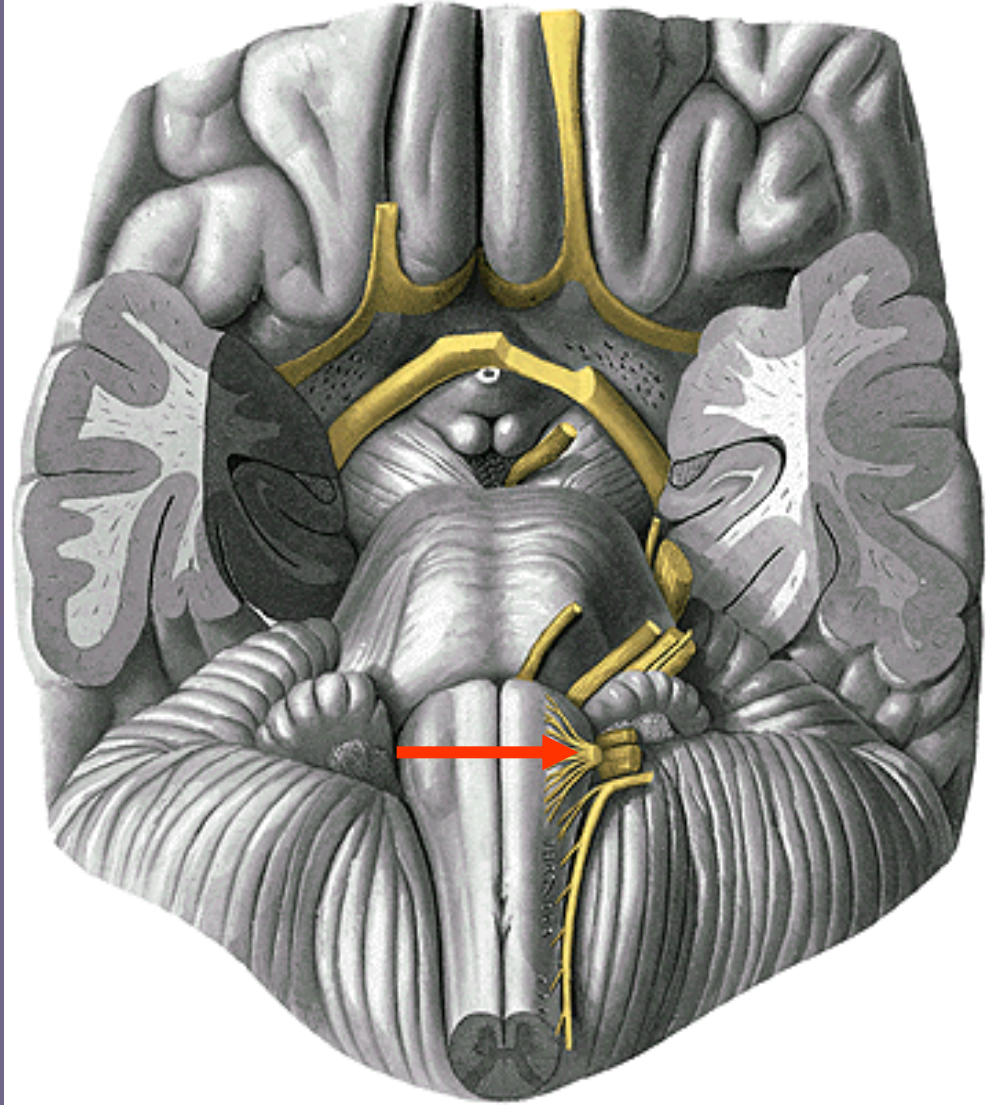
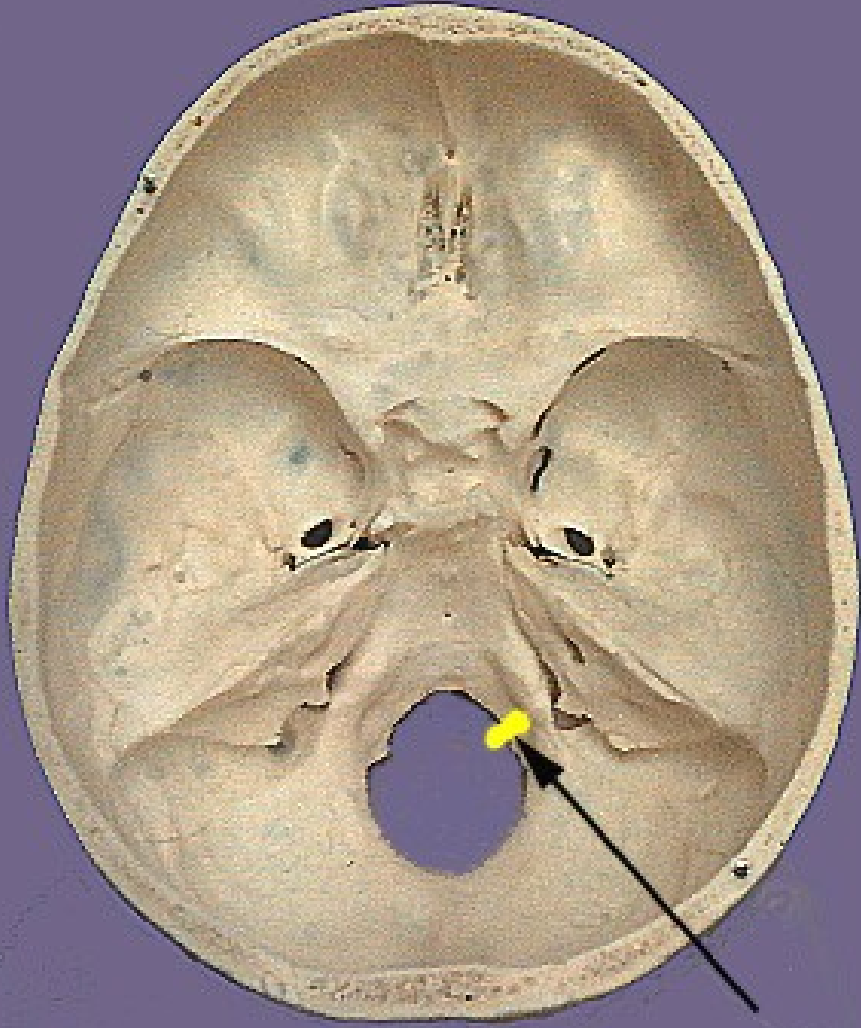
n. XI.



C1

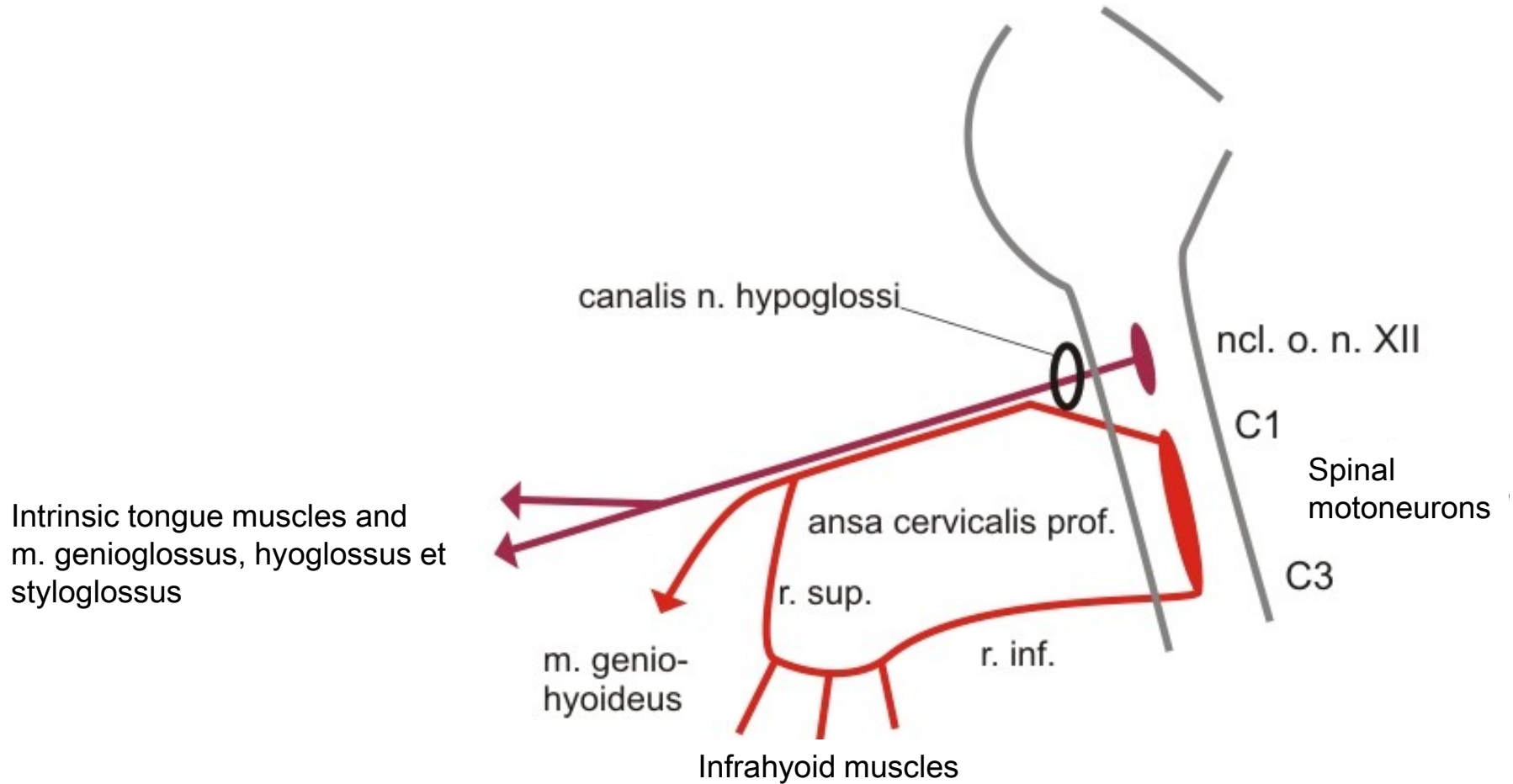
C6



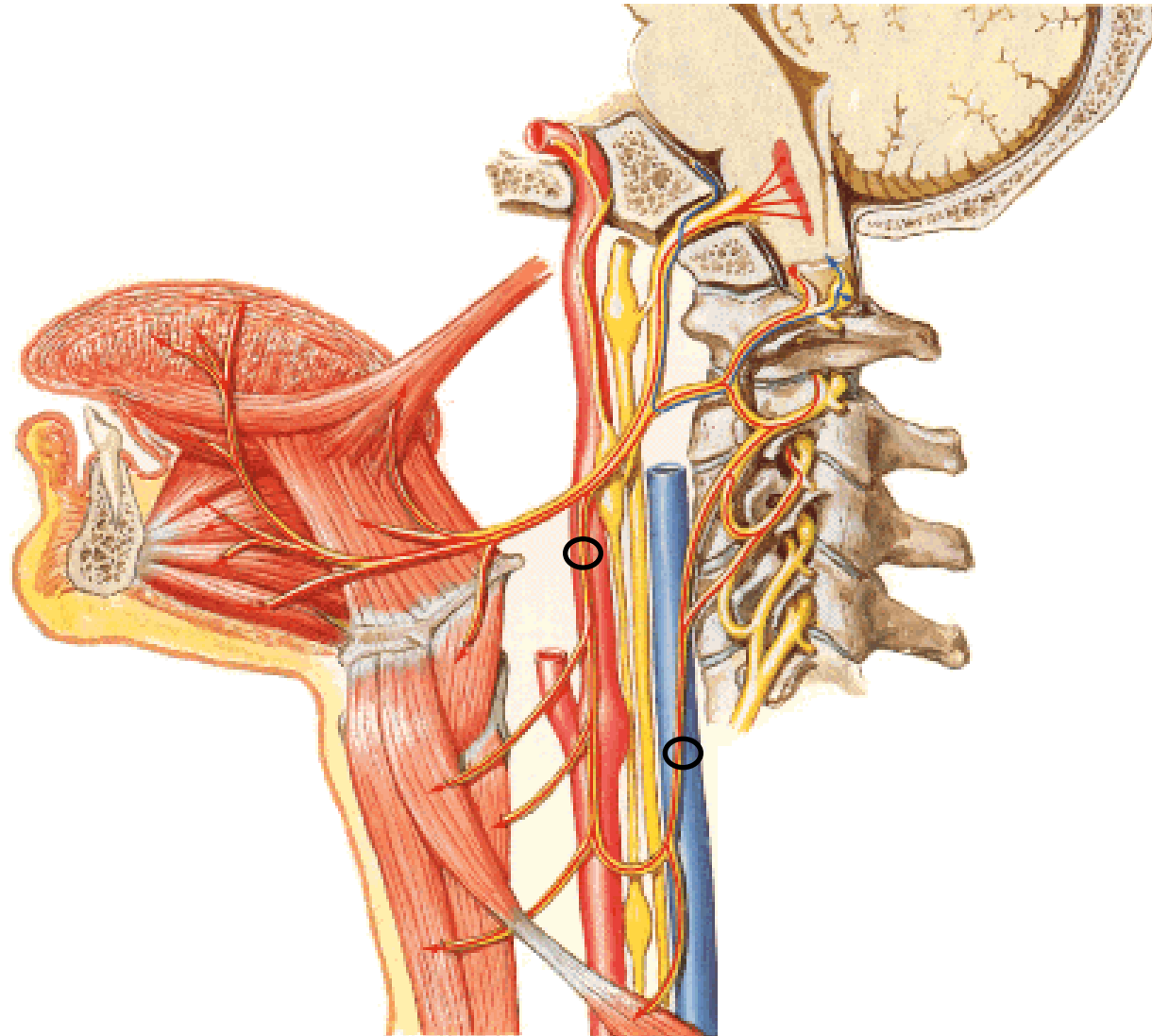


n. XII.

n. XII.



Hypoglossal Nerve Schema



- Efferent fibers
- Afferent fibers