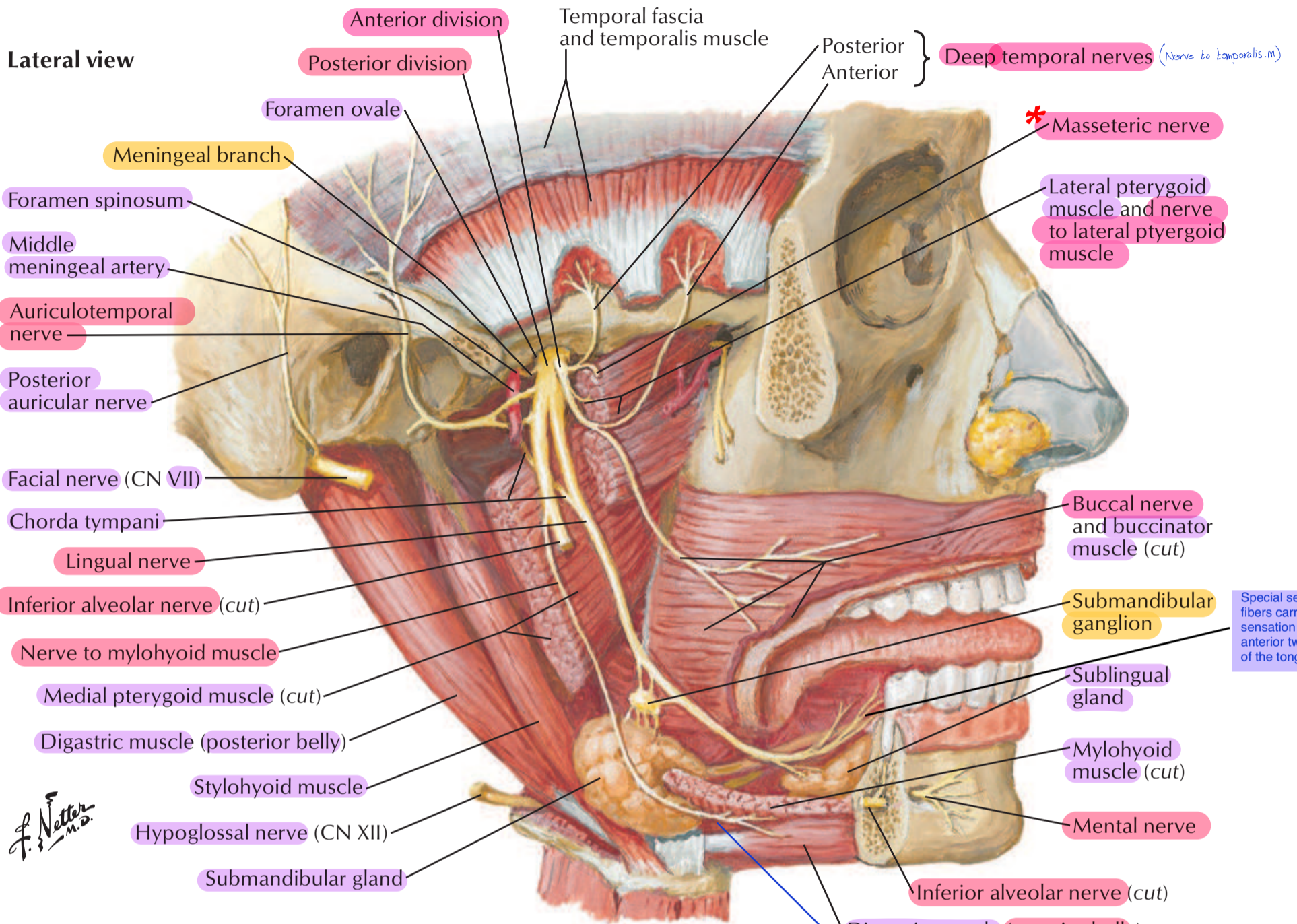


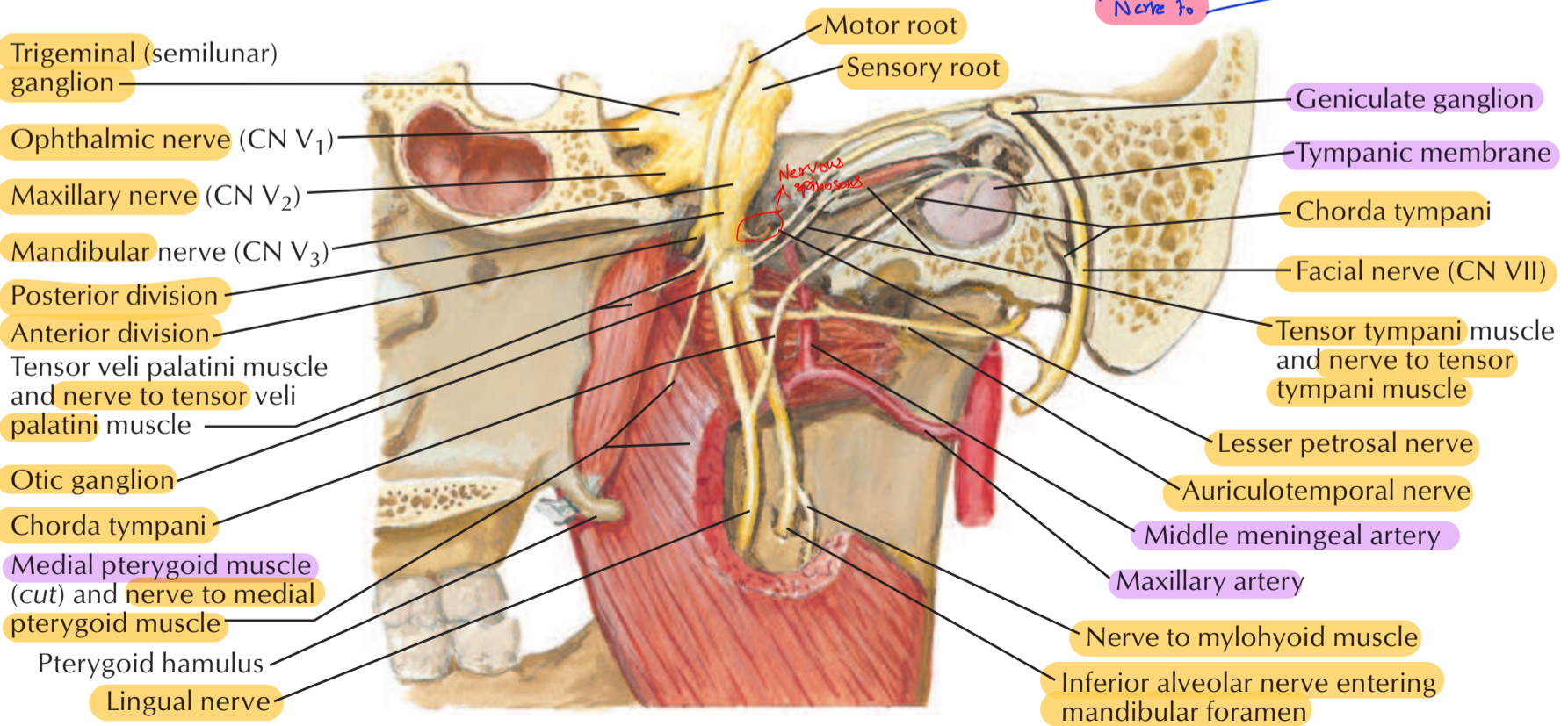
Mandibular Nerve (CN V₃)

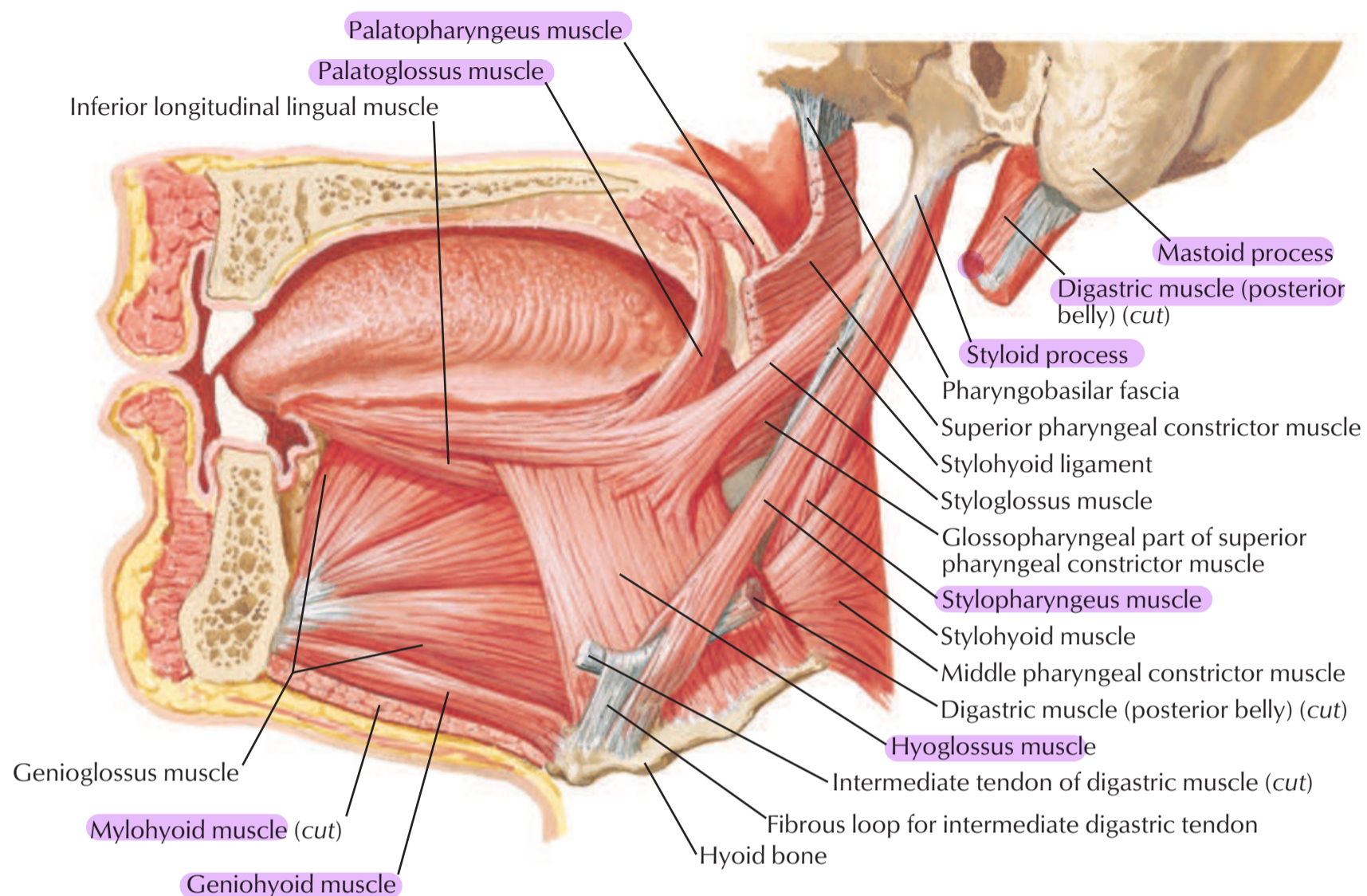
See also **Plates 82, 133**

Lateral view

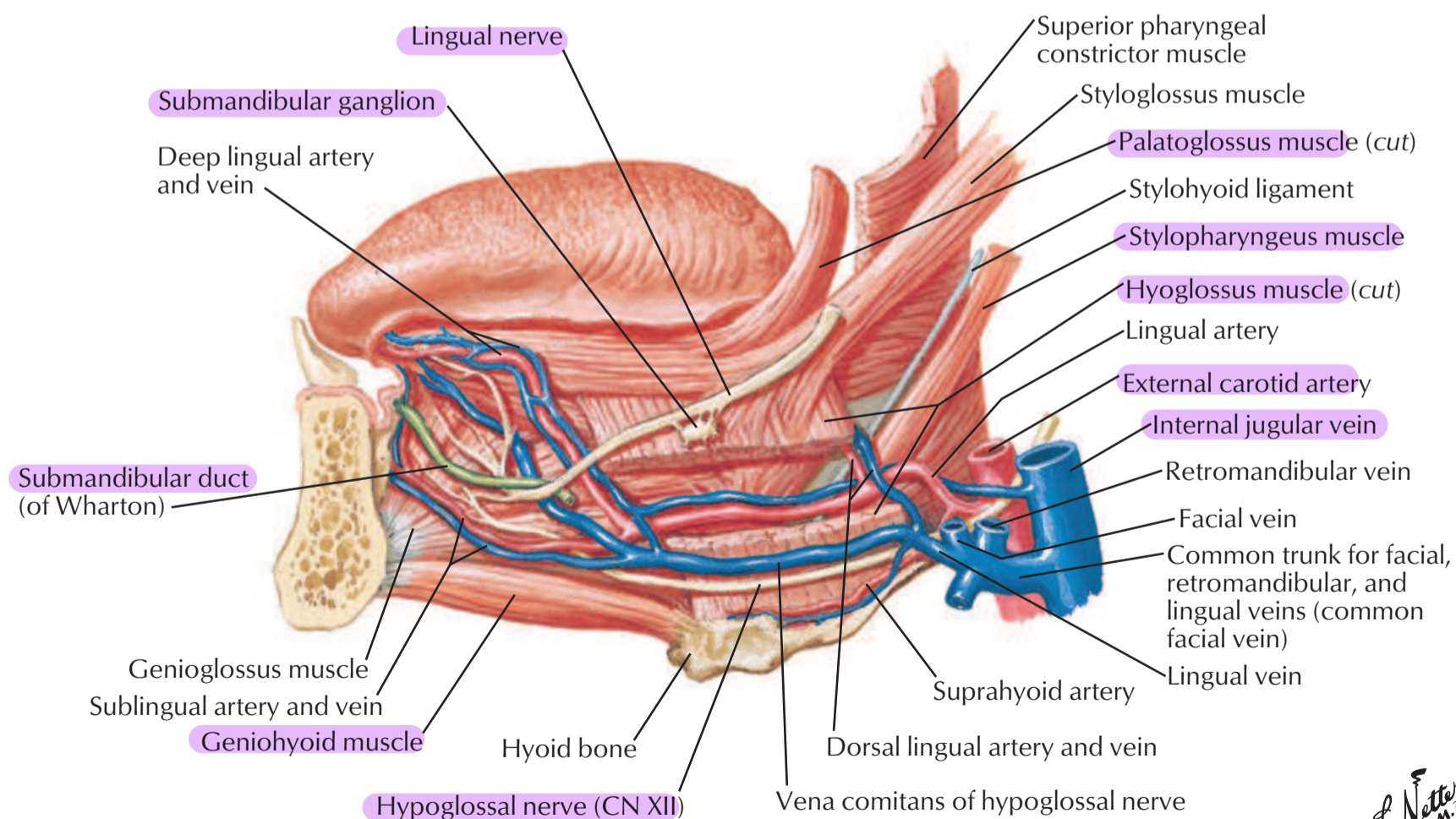


Medial view

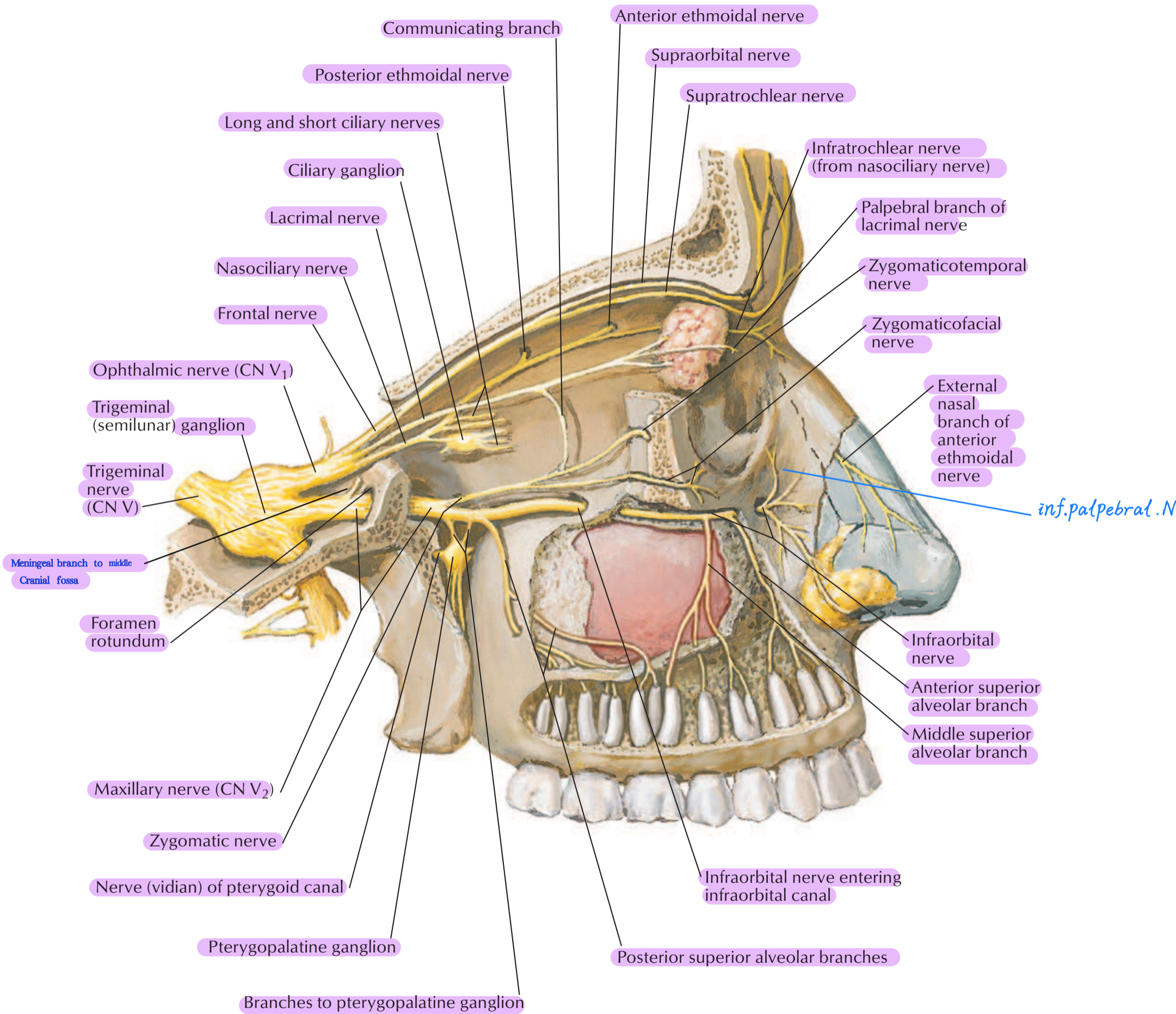




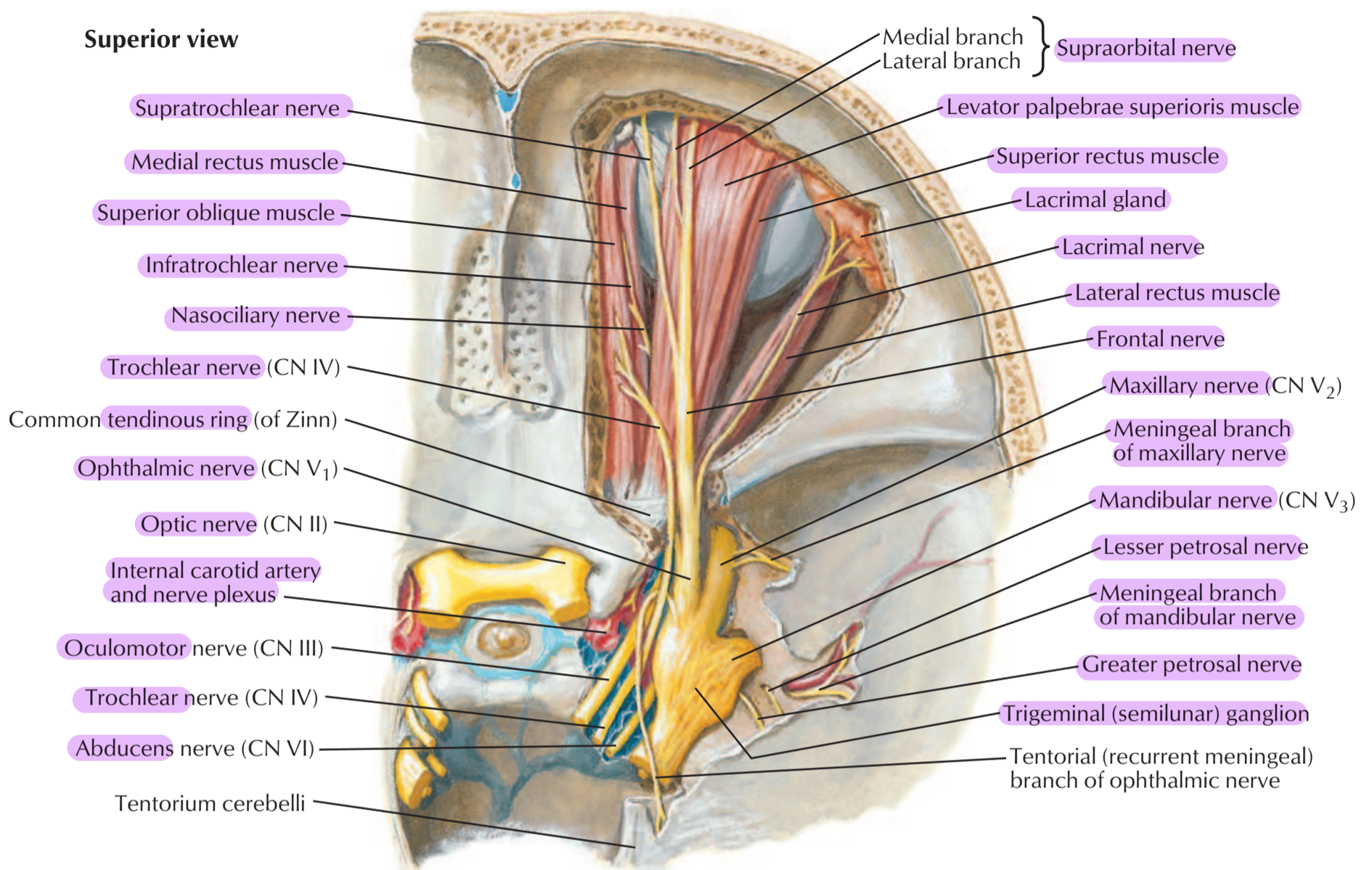
Lateral view (left side of mandible removed)



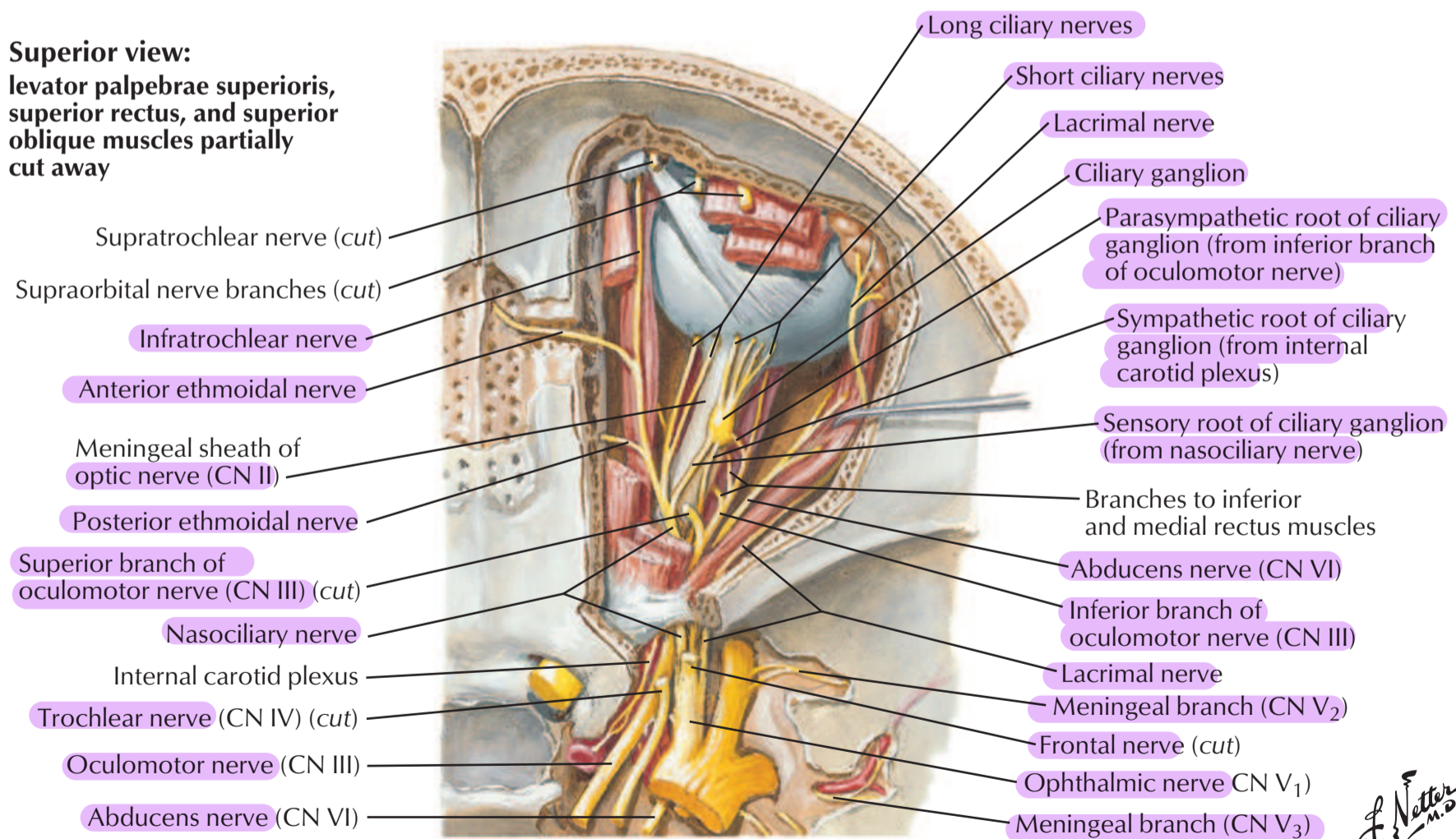
F. Netter M.D.



Superior view



Superior view: levator palpebrae superioris, superior rectus, and superior oblique muscles partially cut away



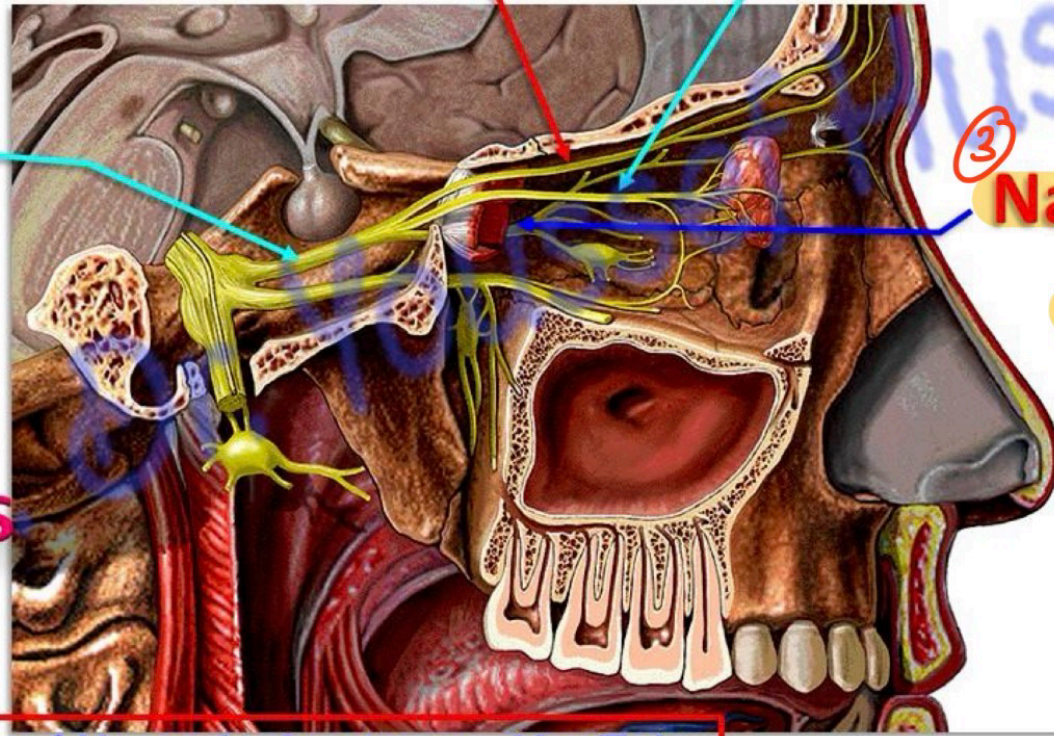
① Frontal nerve

② Lacrimal nerve

Ophthalmic
nerve

③ Nasociliary
nerve

Three
Branches



احنا نغتمد هاي حسب السلايدان

Special lacrimal nucleus

Superior salivatory nucleus (parasympathetic)

Facial nerve (CN VII)

Geniculate ganglion

Greater petrosal nerve (parasympathetic)

Deep petrosal nerve (sympathetic)

Nerve (vidian) of pterygoid canal

Maxillary nerve (CN V₂) entering foramen rotundum

Pterygopalatine ganglion

Lateral and medial posterior superior nasal branches

Infraorbital nerve

Tympanic cavity

Internal carotid nerve

Internal carotid artery

Superior cervical ganglion

Greater and lesser palatine nerves

Posterior superior alveolar branches

Maxillary sinus

Nasopalatine nerve

Postsynaptic fibers to vessels (sympathetic) and glands (parasympathetic) of nasal cavity, maxillary sinus, and palate

Medulla oblongata

Spinal cord

Sympathetic trunk

T1

T2

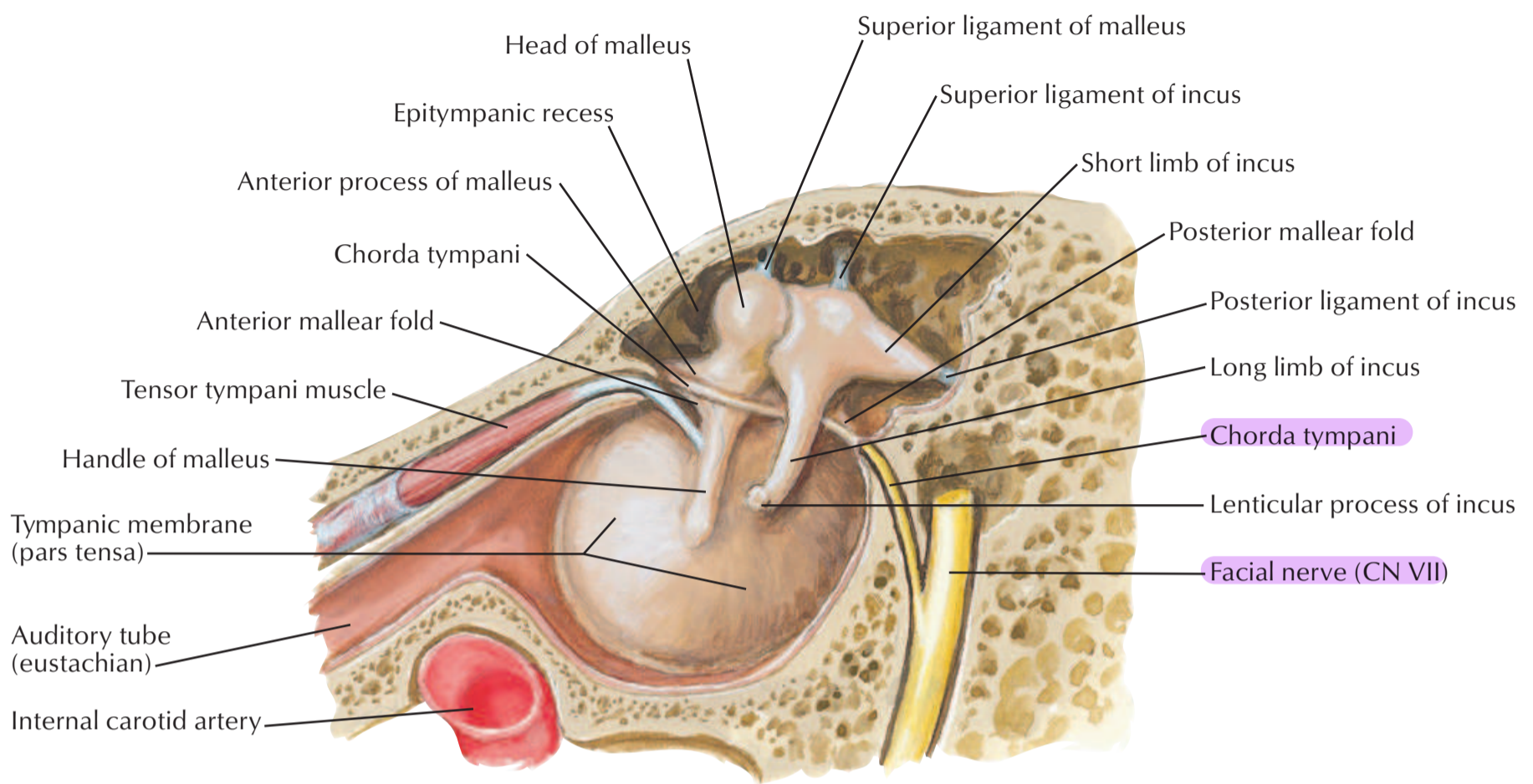
T3

Preganglionic sympathetic cell bodies in intermediolateral nucleus (lateral horn) (T1-5)

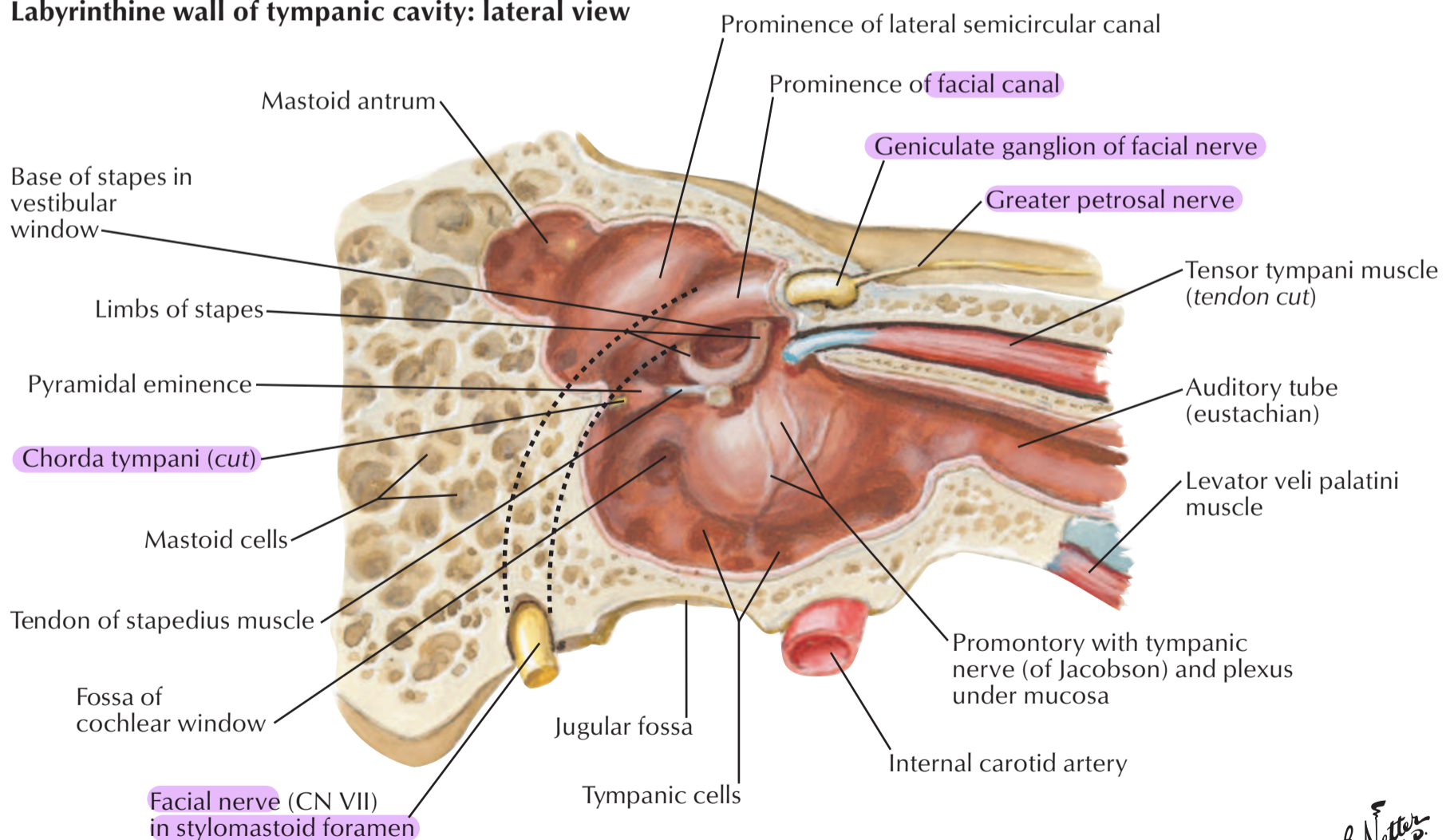
- Preganglionic parasympathetic fibers
- - - Postganglionic parasympathetic fibers
- Preganglionic sympathetic fibers
- - - Postganglionic sympathetic fibers

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Lateral wall of tympanic cavity: medial (internal) view

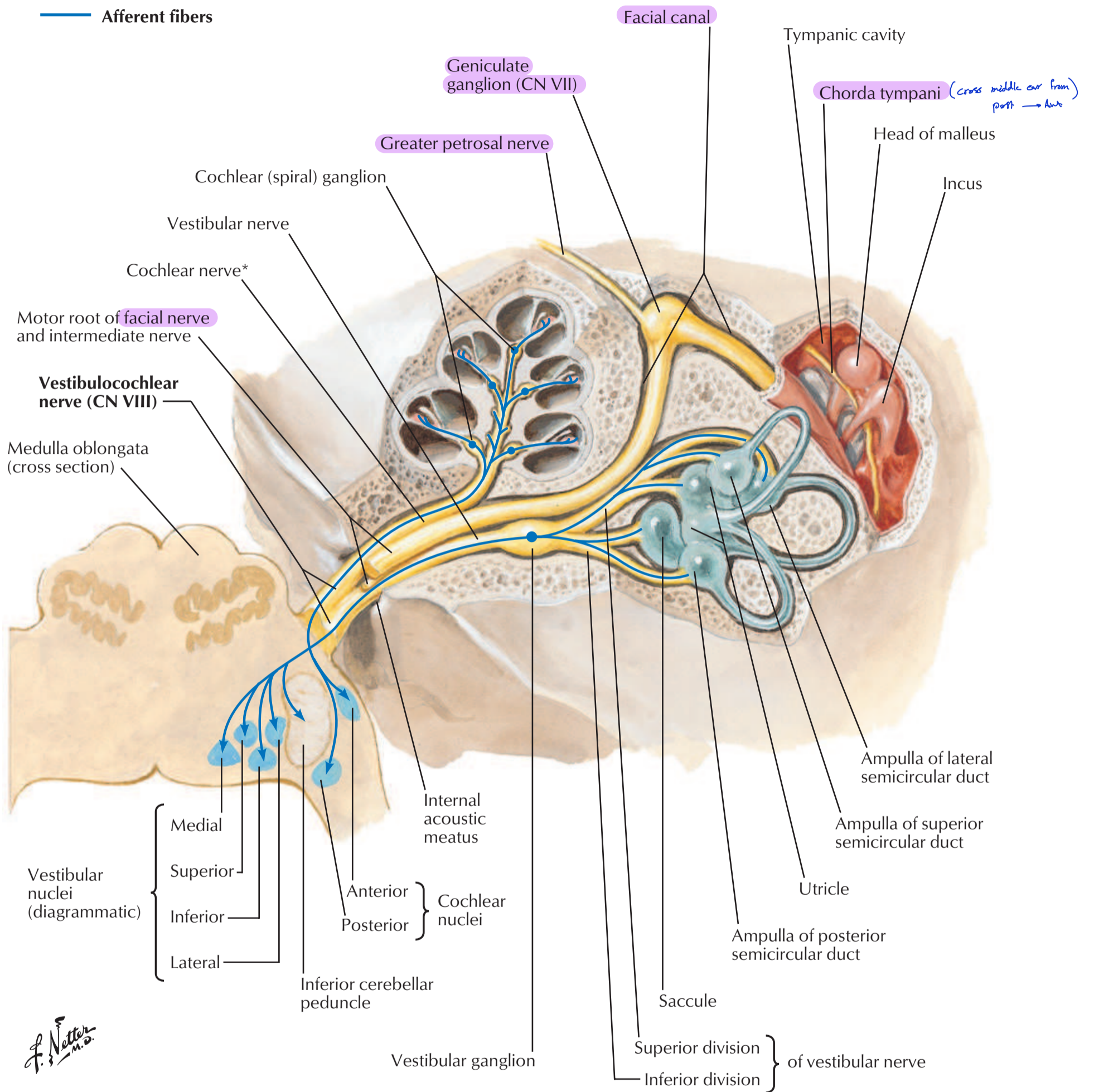


Labyrinthine wall of tympanic cavity: lateral view



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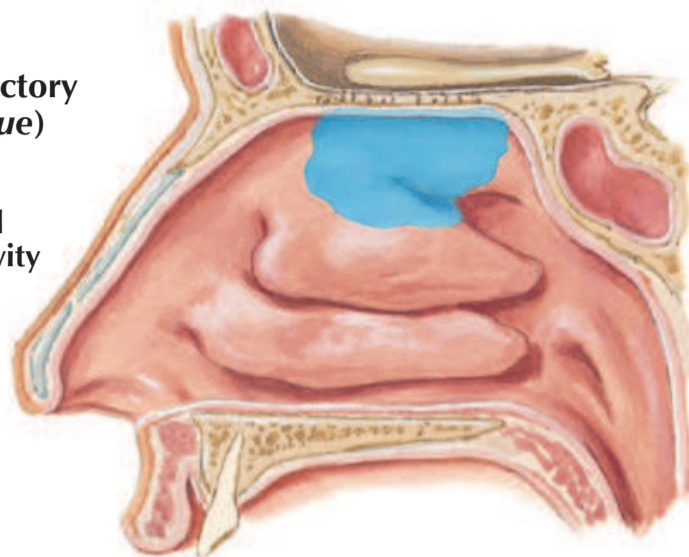
Vestibulocochlear Nerve (CN VIII): Schema



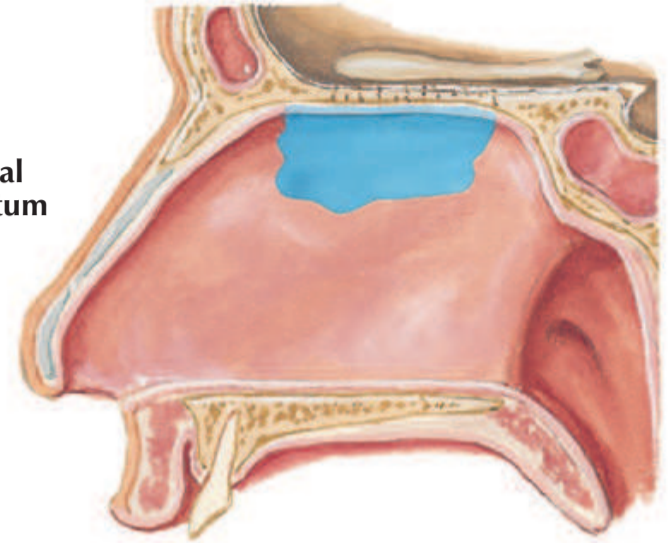
*Note: The cochlear nerve also contains efferent fibers to the sensory epithelium. These fibers are derived from the vestibular nerve while in the internal acoustic meatus.

Distribution of olfactory mucosa (shaded blue)

Lateral wall of nasal cavity



Nasal septum



External nasal branch of anterior ethmoidal nerve (CN V₁)

* Lateral internal nasal branch of anterior ethmoidal nerve (CN V₁)

Olfactory bulb

Cribriform plate

Olfactory tract

Posterior superior lateral nasal branches from pterygopalatine ganglion

Maxillary nerve (CN V₂) (sphenopalatine foramen dissected away)

Pterygopalatine ganglion

Greater petrosal nerve

Deep petrosal nerve

Nerve (vidian) of pterygoid canal

Pharyngeal branch of pterygopalatine ganglion

Nasopalatine nerve (CN V₂) passing to nasal septum (cut)

Posterior inferior lateral nasal branch from greater palatine nerve (CN V₂)

Lateral wall of nasal cavity

Olfactory nerves (CN I)

Palatine nerves (CN V₂) { Greater Lesser

* Medial internal nasal branch of anterior ethmoidal nerve (CN V₁)

Olfactory nerves (CN I)

Nasopalatine nerve (CN V₂)

Incisive canal

Nasal septum

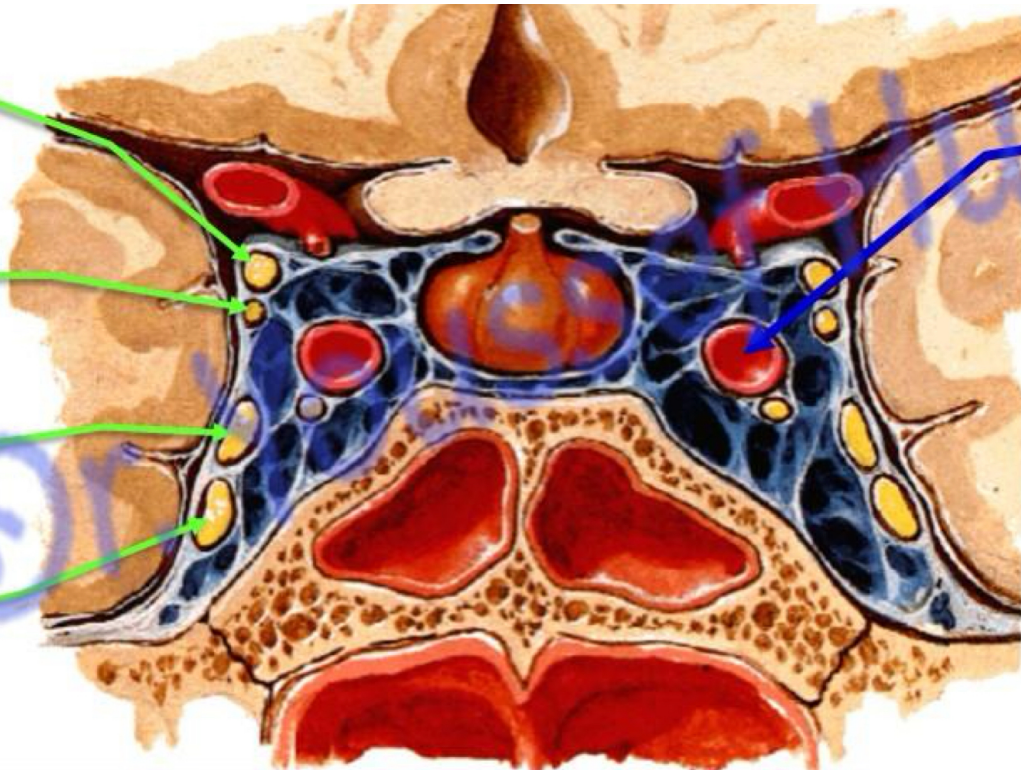
نکتنہ آئی
View:-
Lat / Medial

Oculomotor nerve

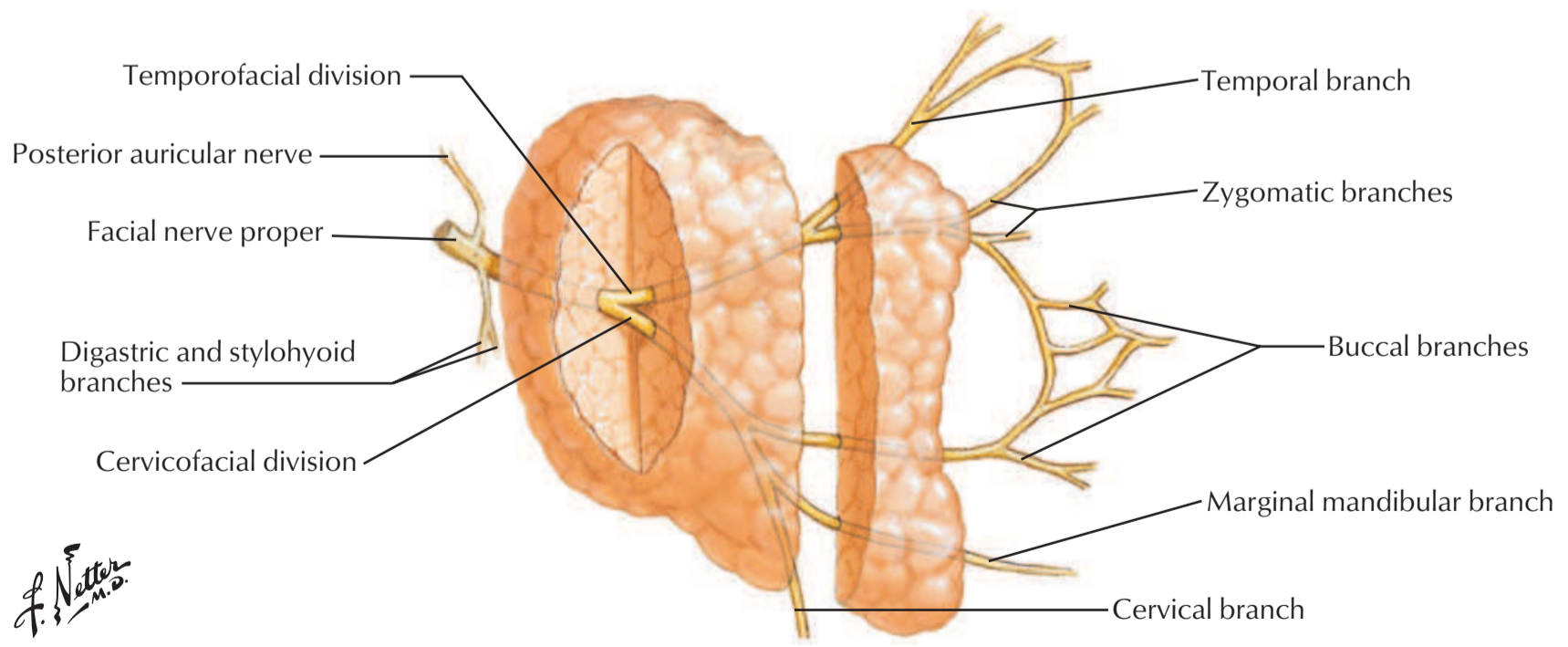
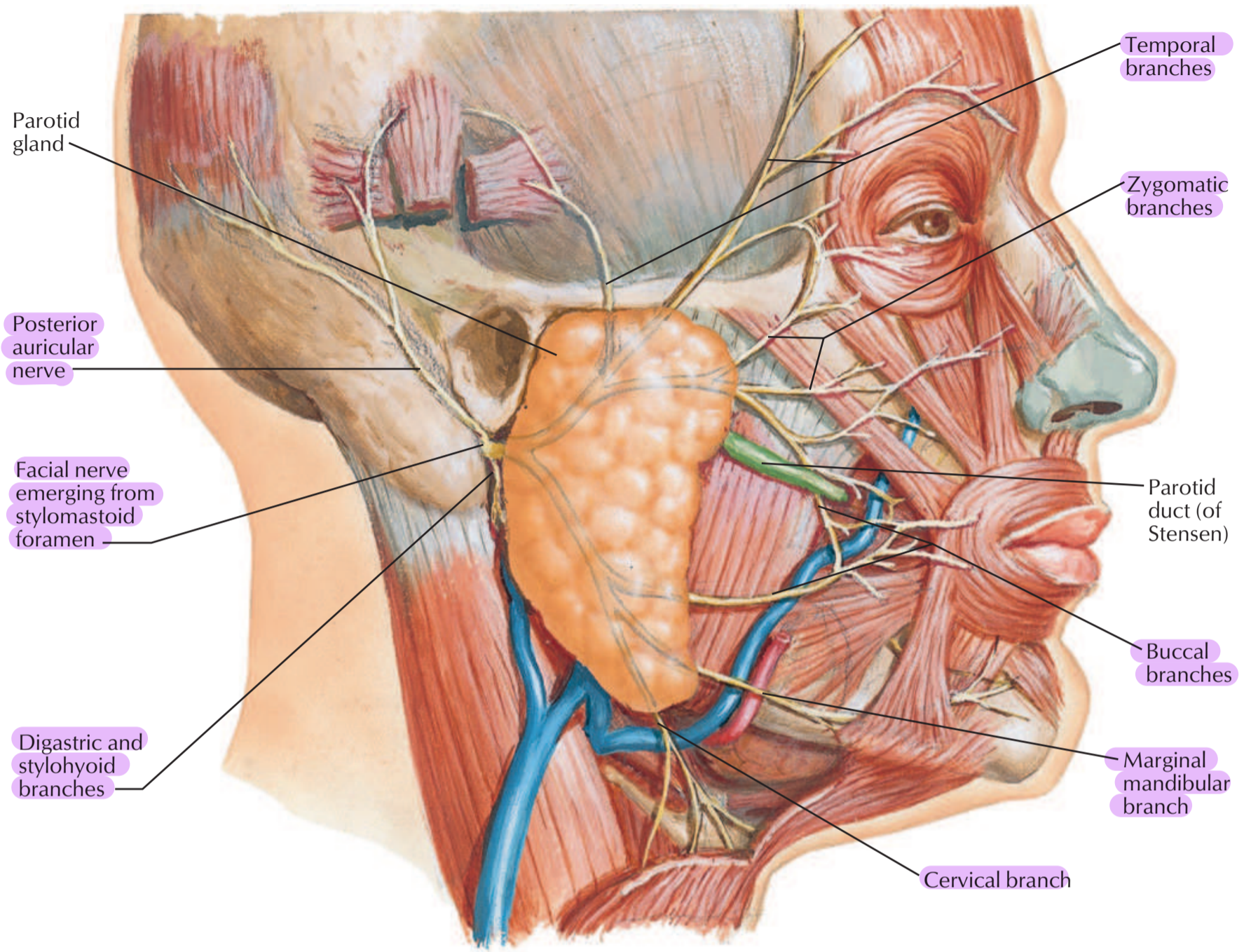
Trochlear nerve

Ophthalmic nerve

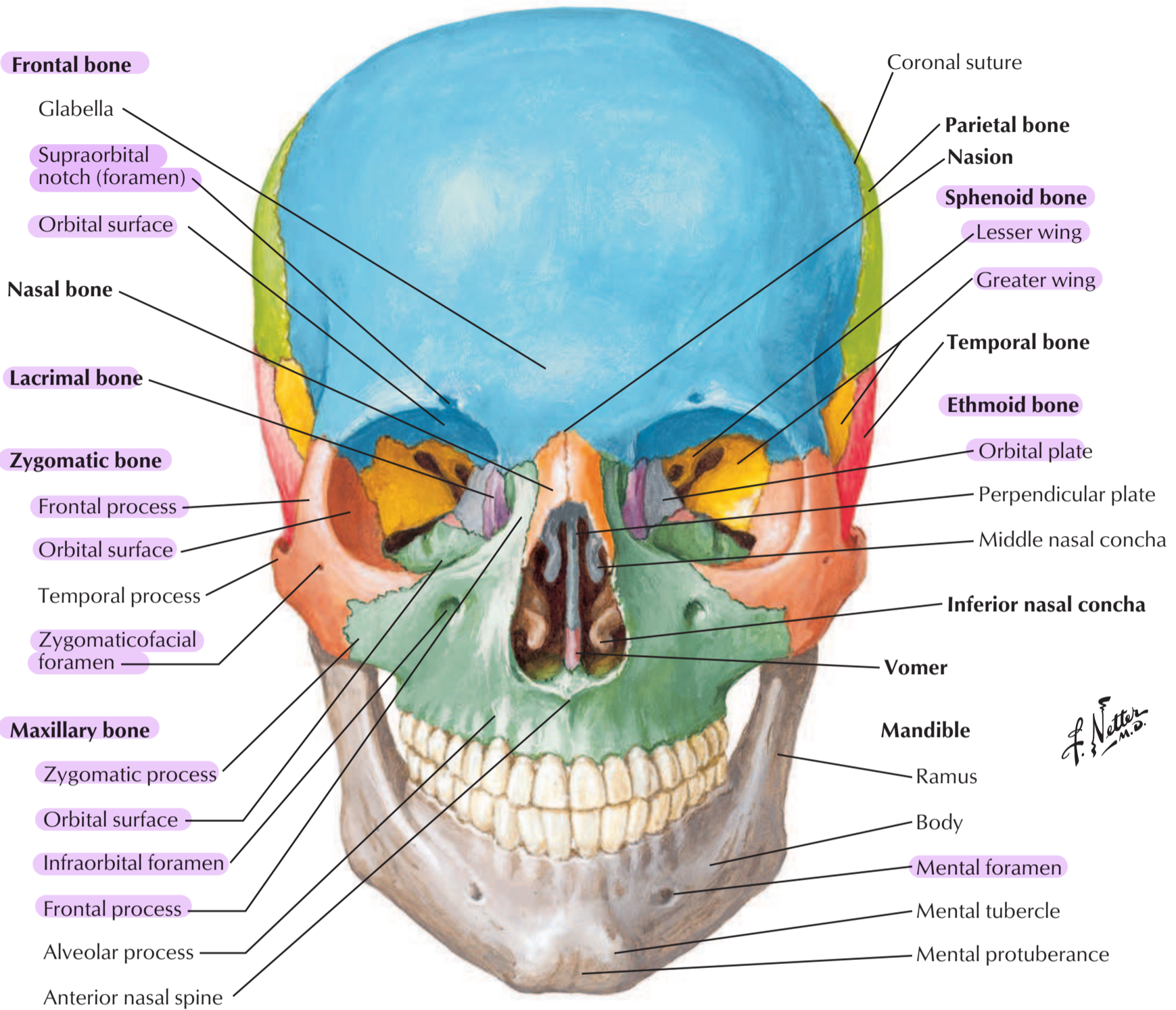
Maxillary nerve



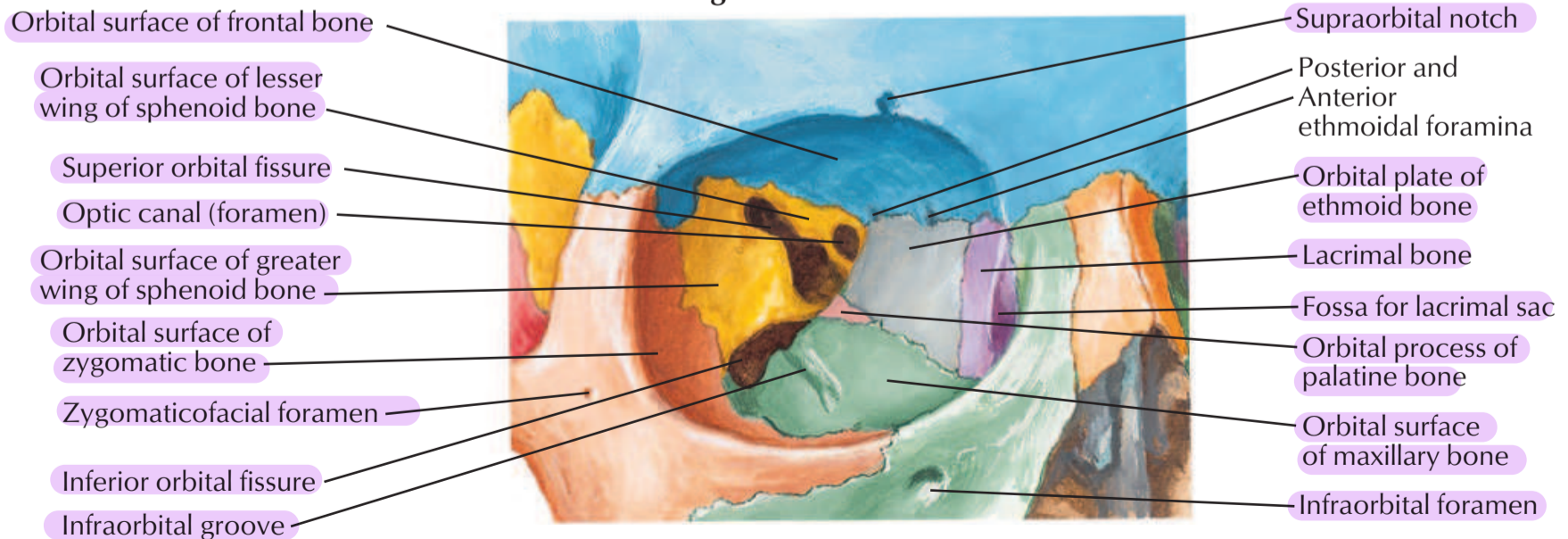
Internal carotid artery

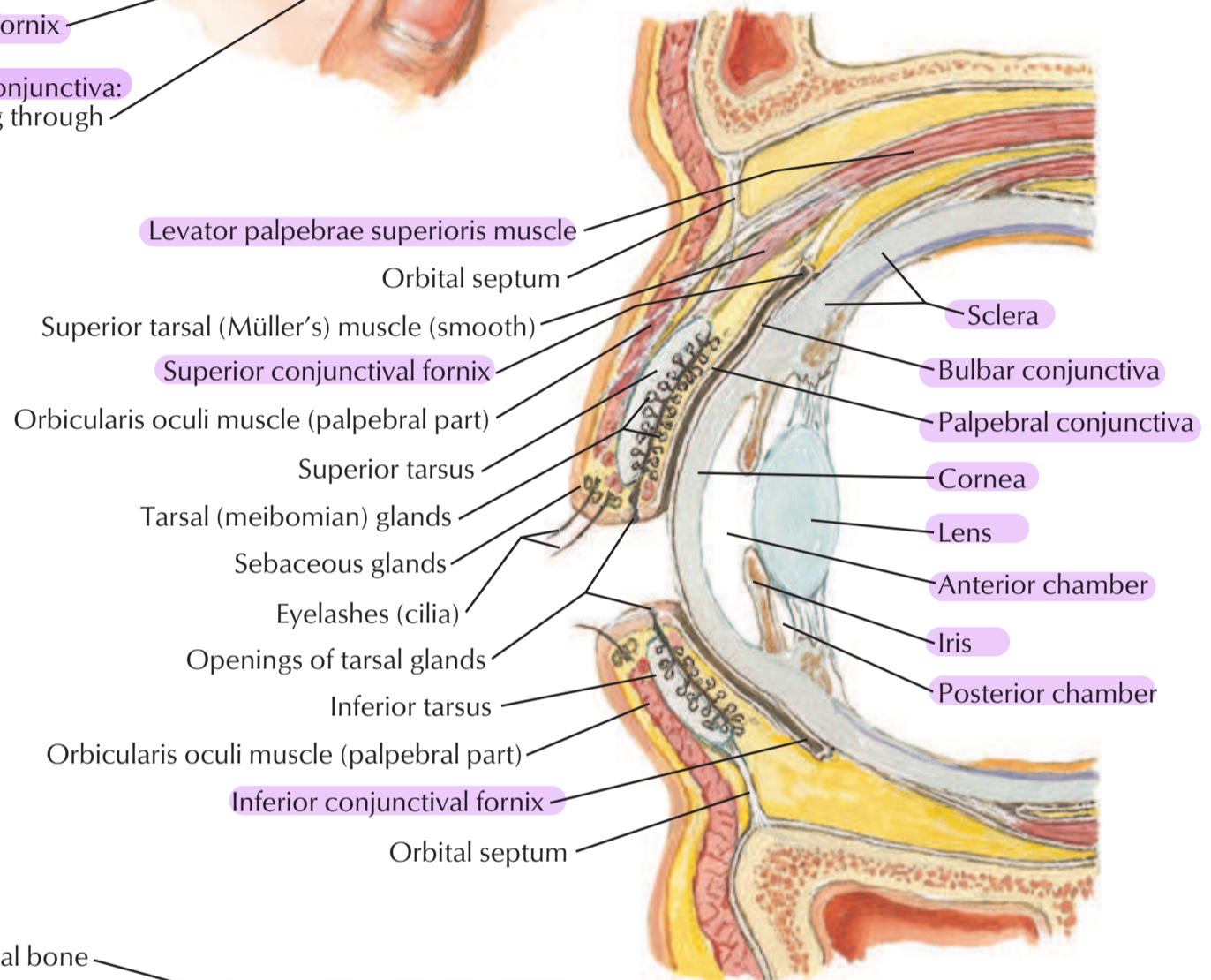
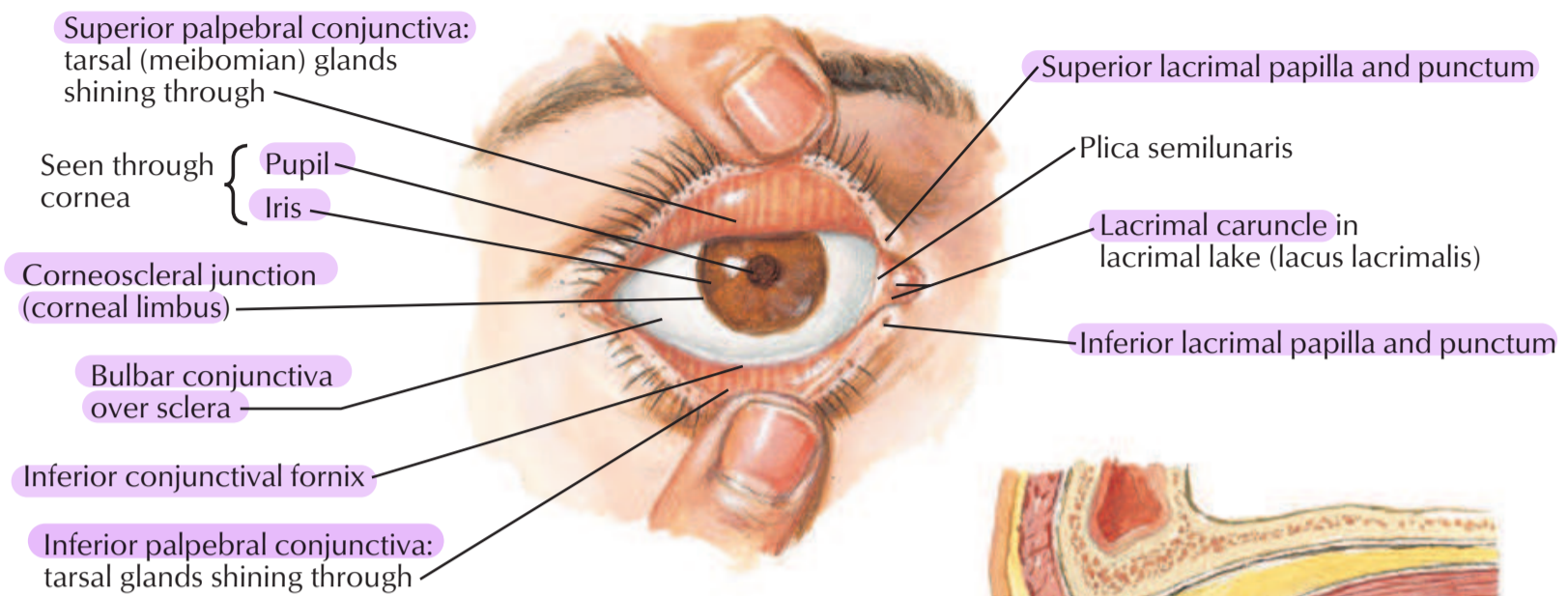


F. Netter M.D.

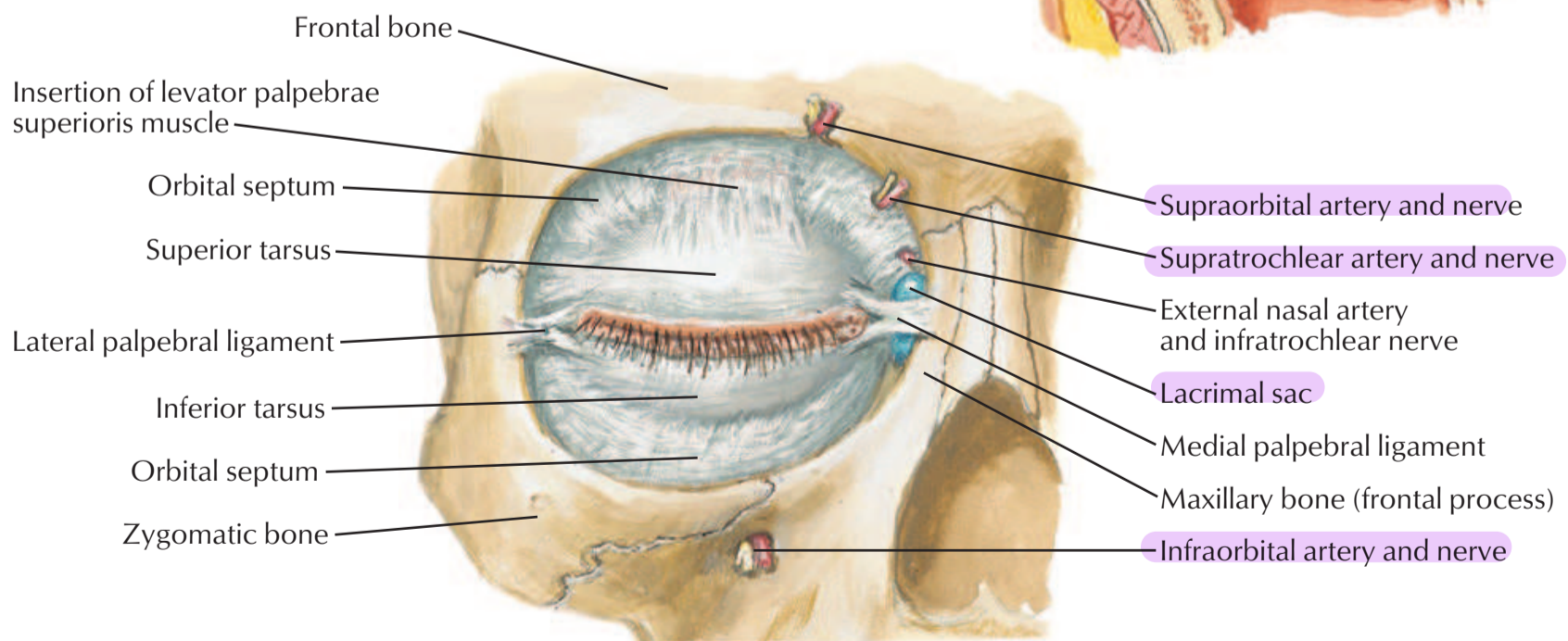


Right orbit: frontal view



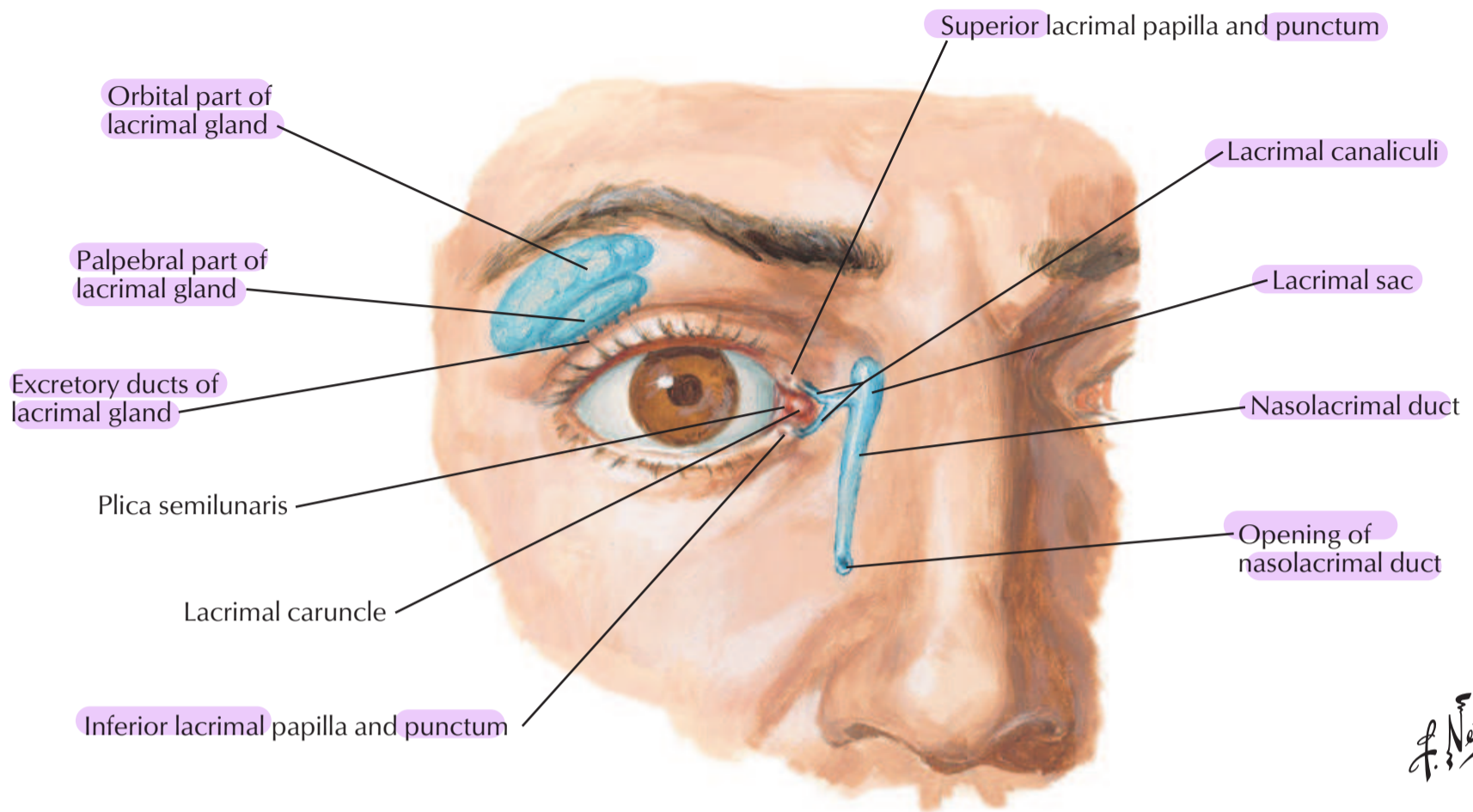


F. Netter M.D.

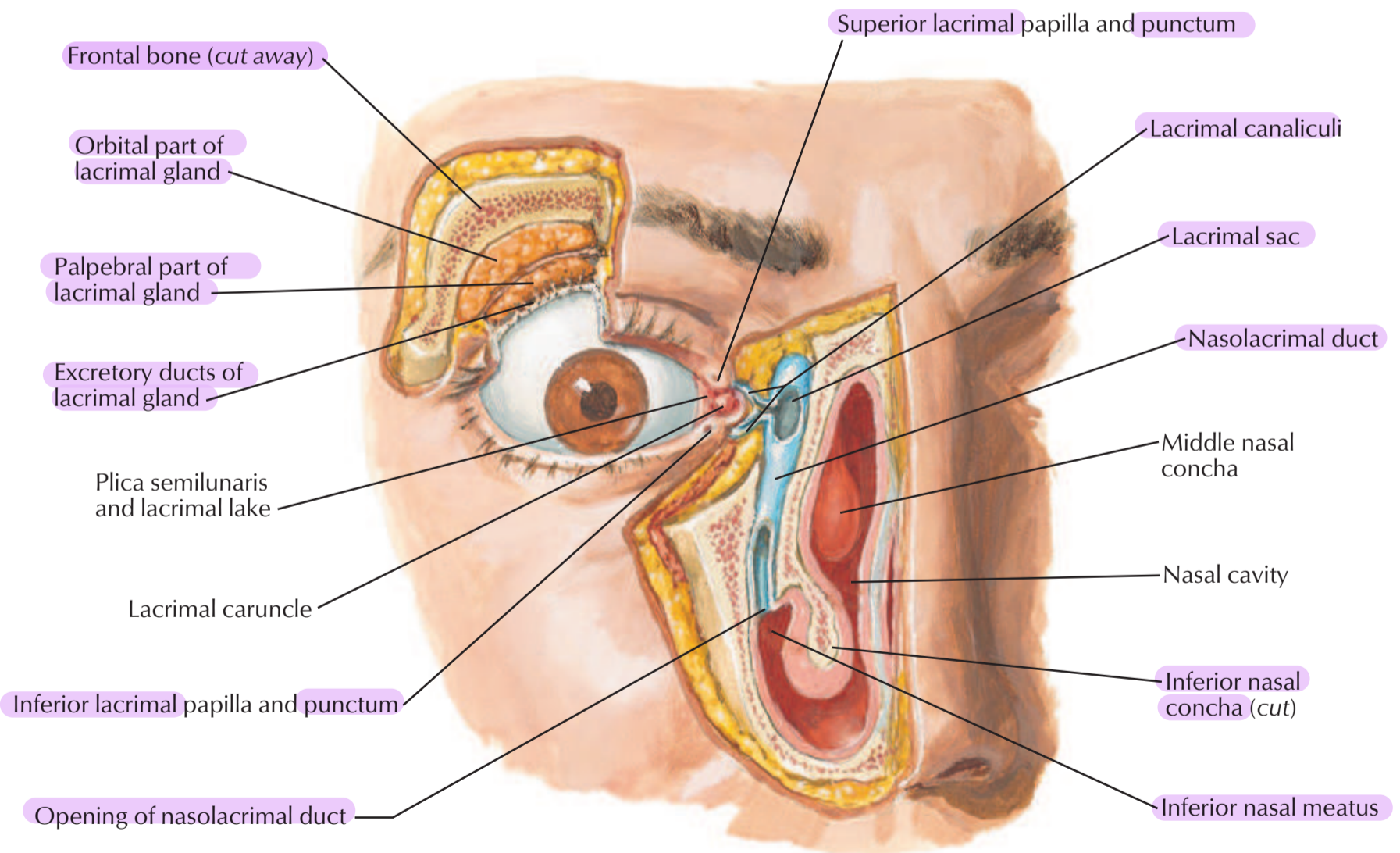


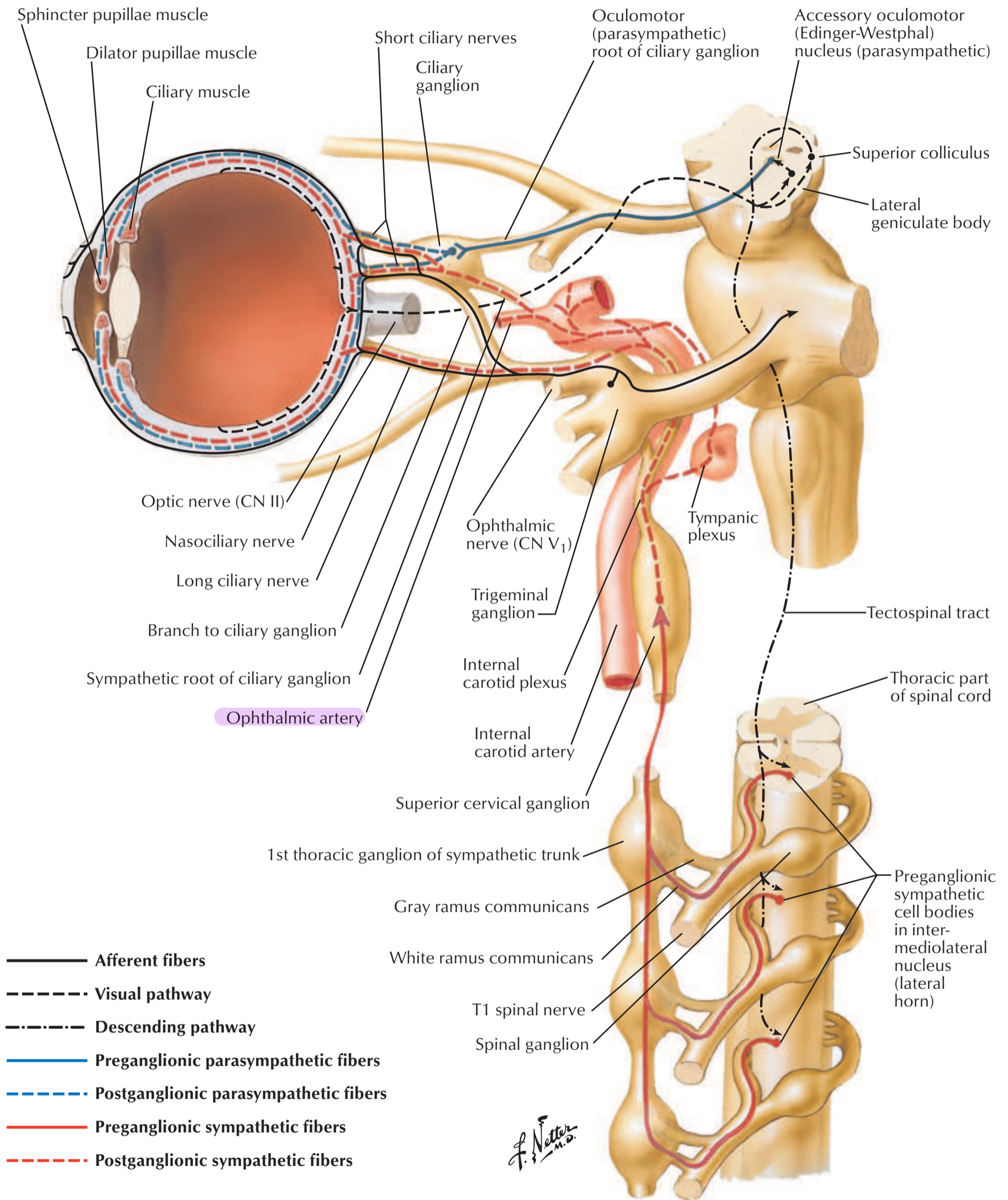
Lacrimal Apparatus

See also [Plate 144](#)

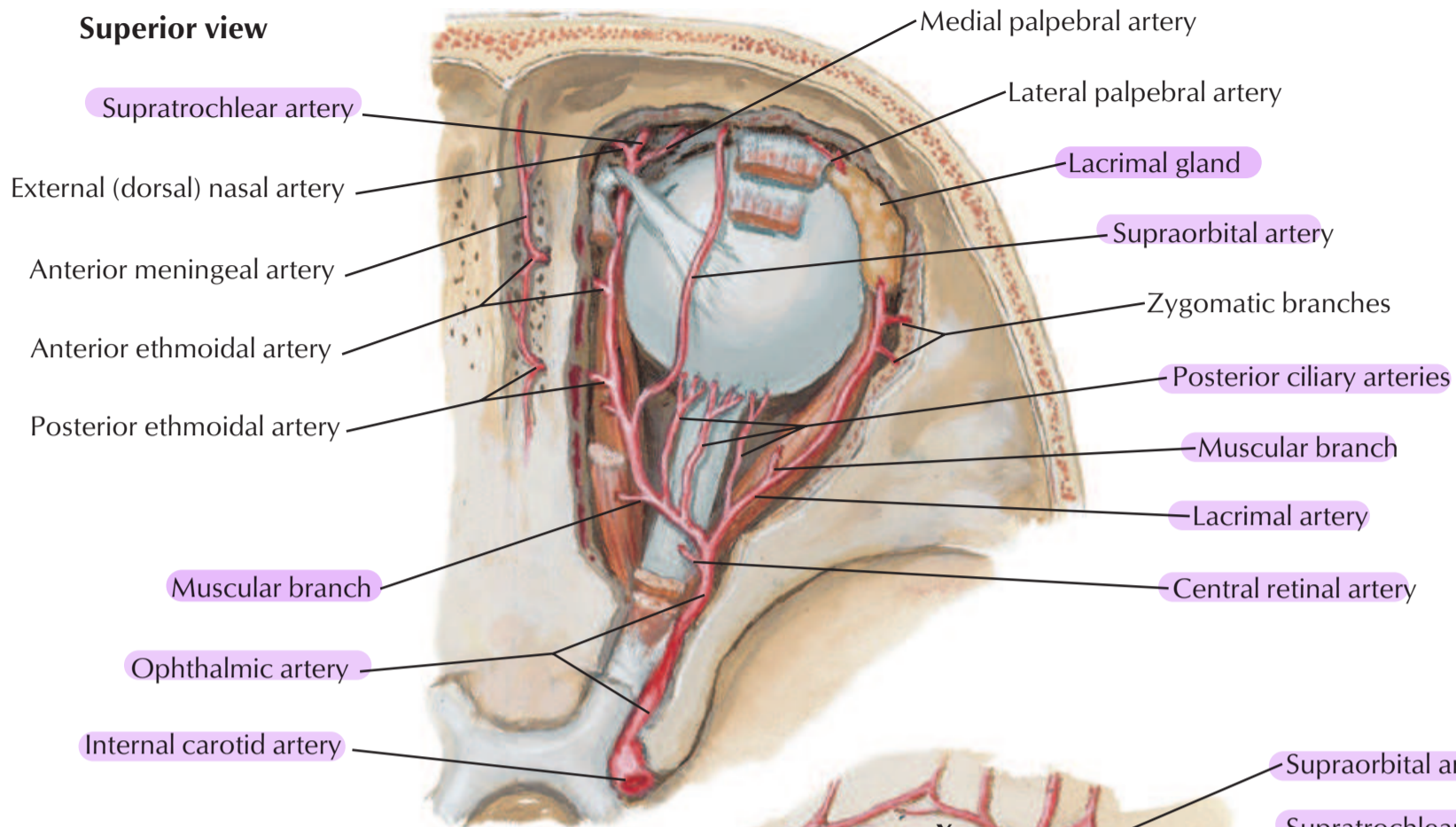


F. Netter M.D.

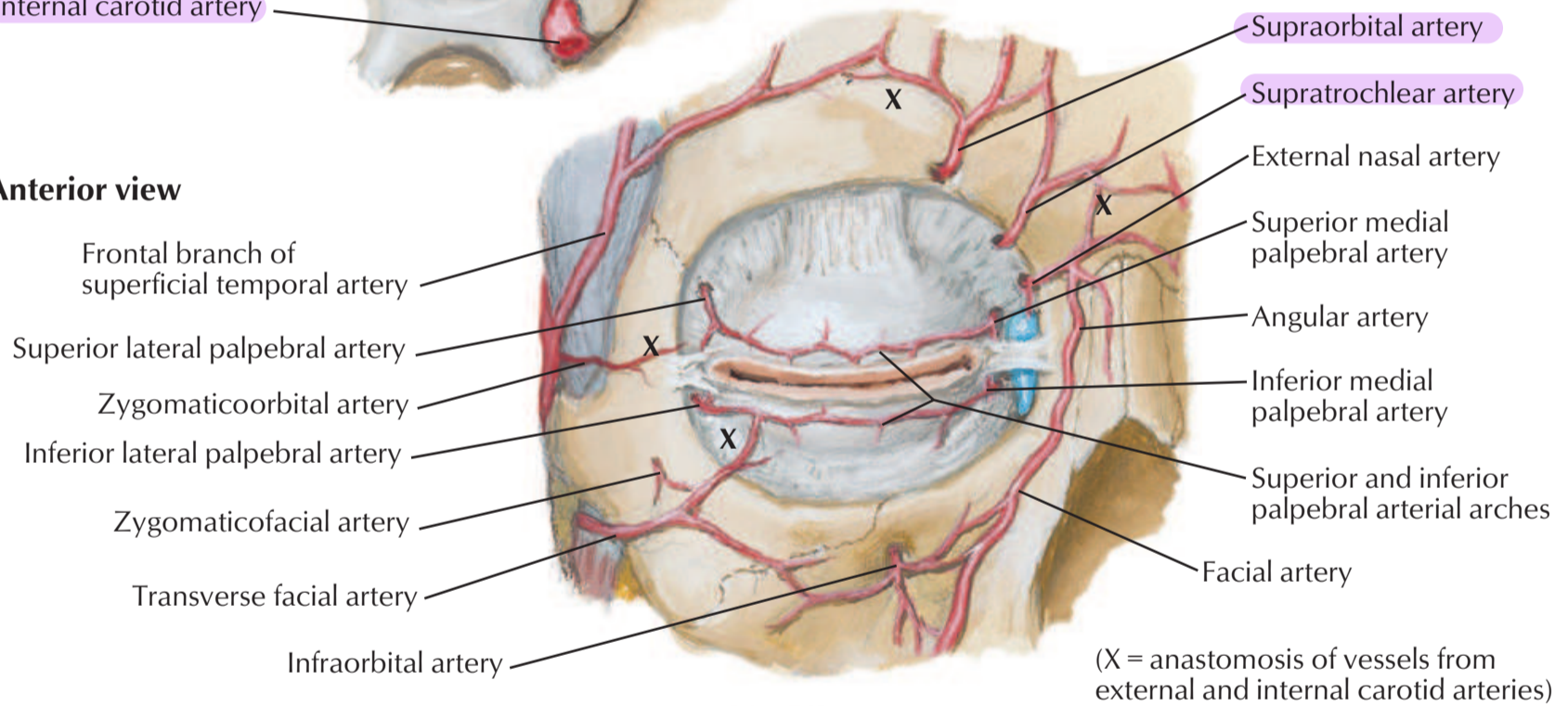




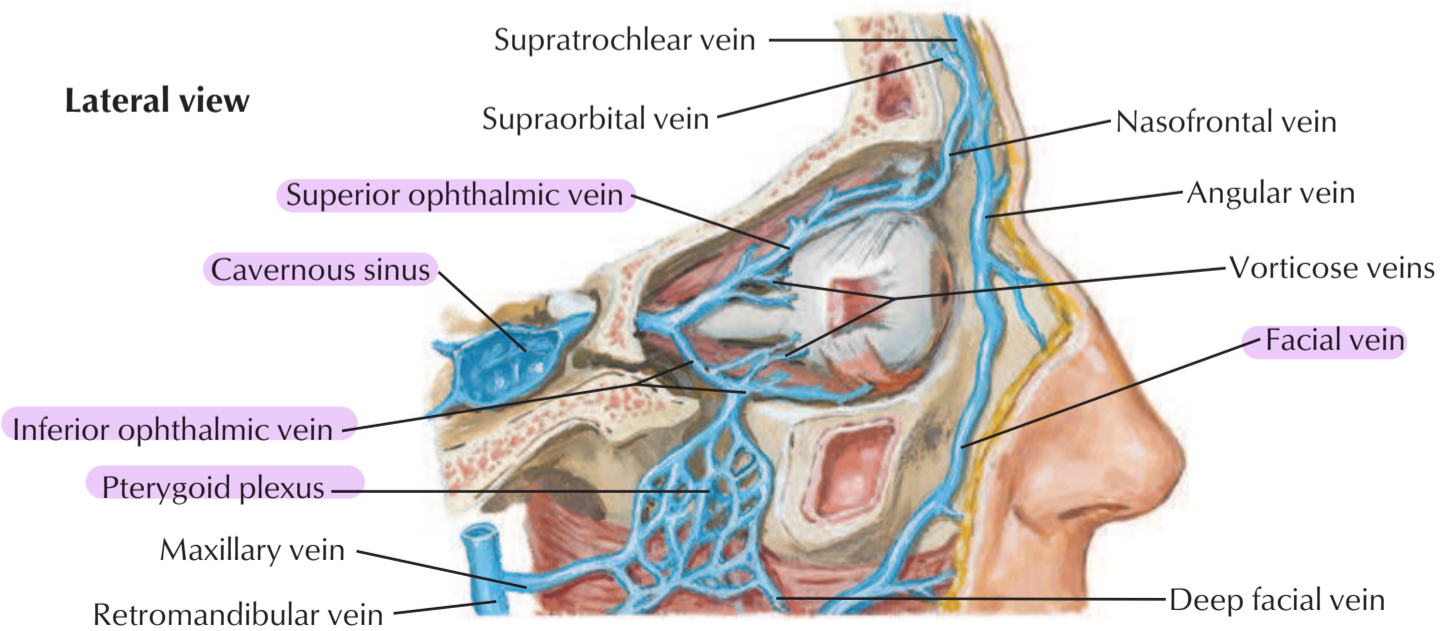
Superior view

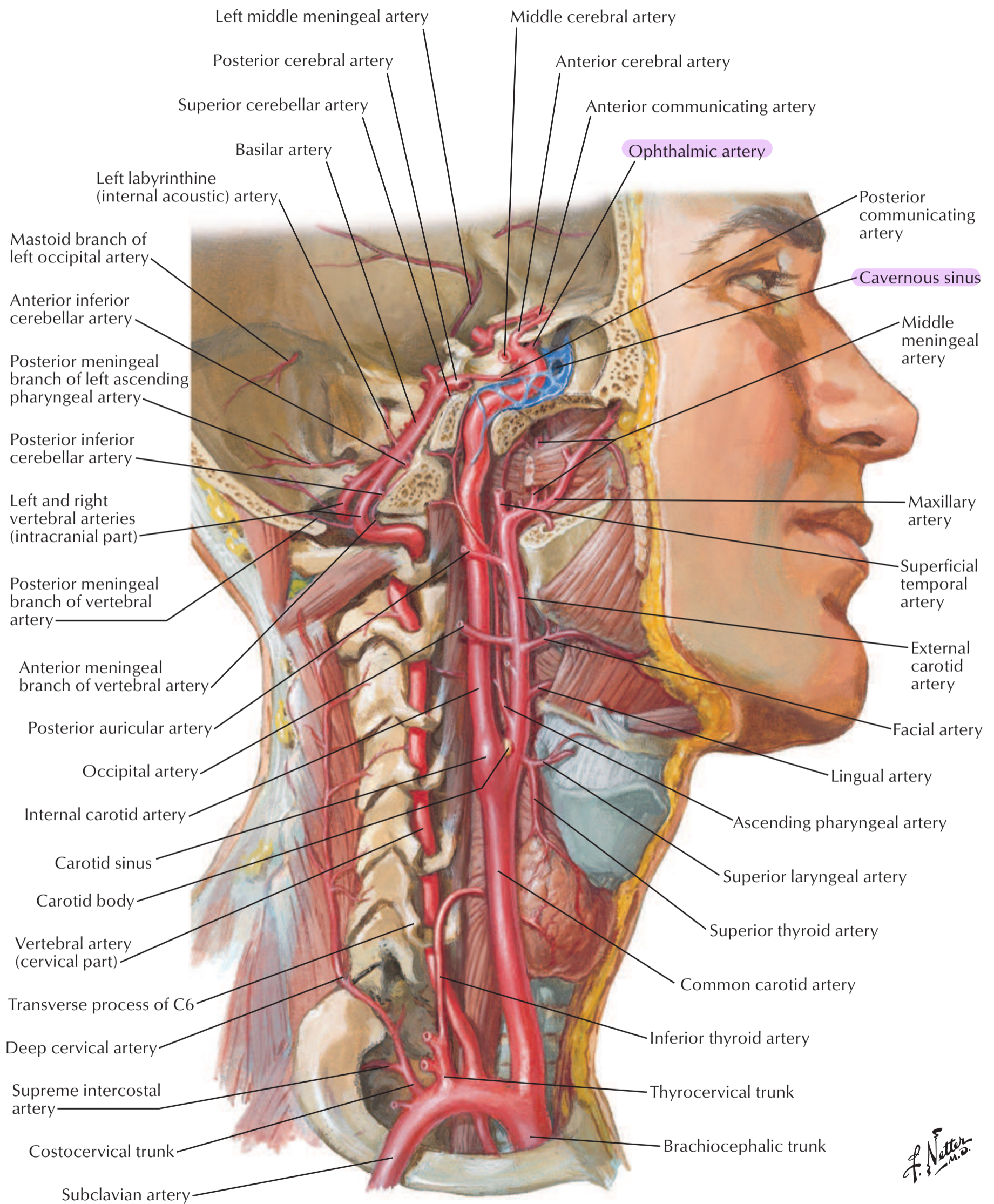


Anterior view

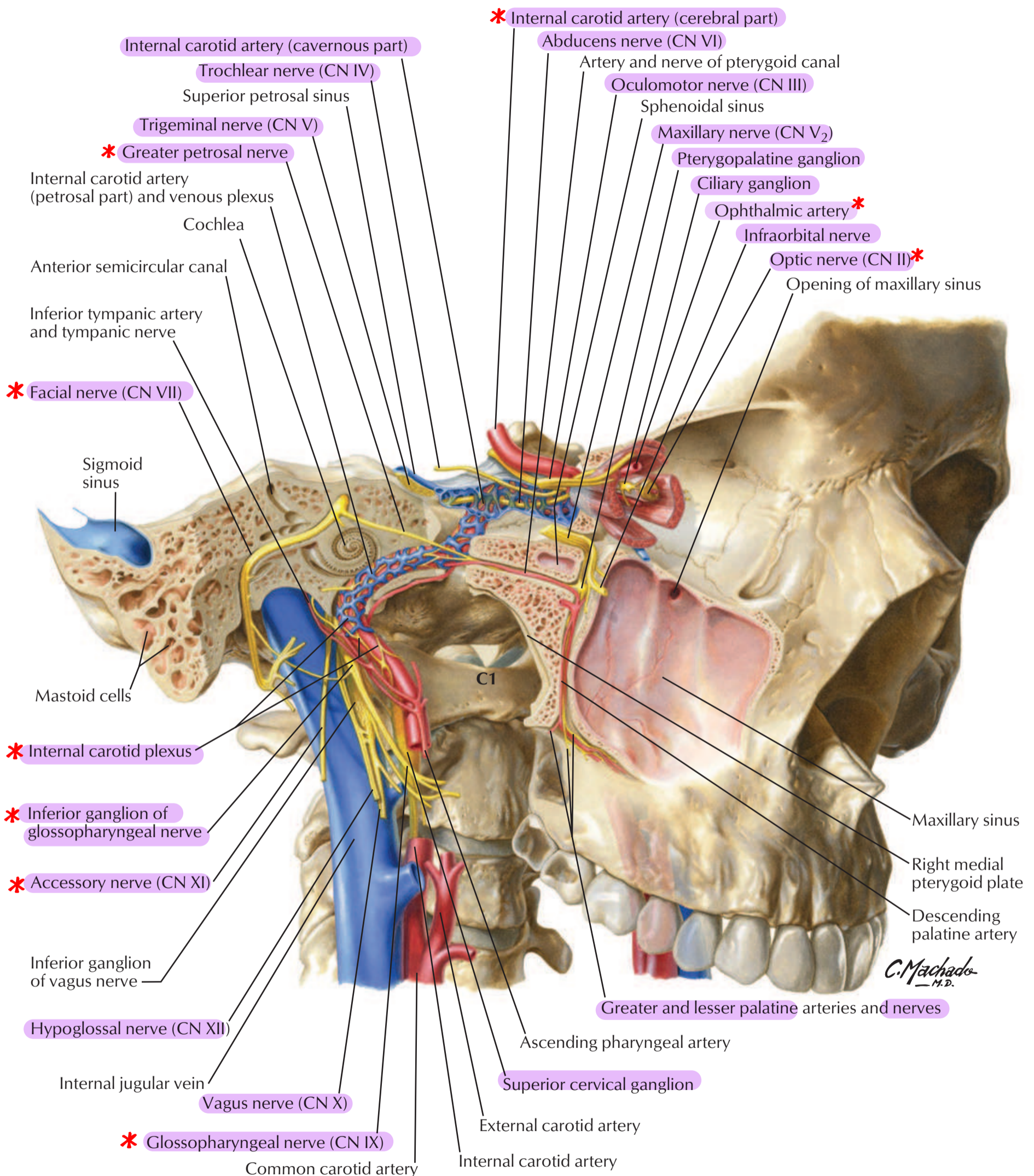


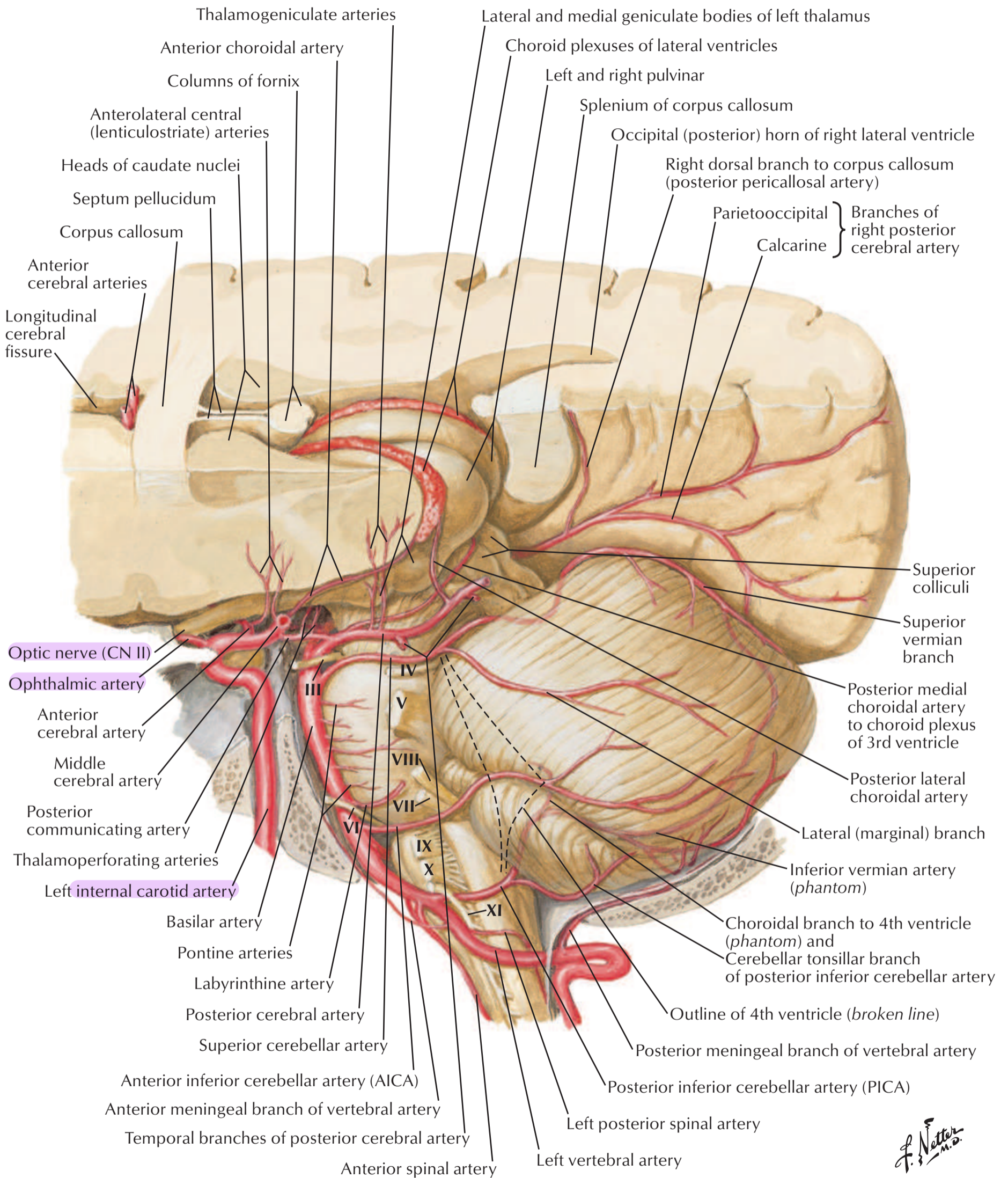
Lateral view





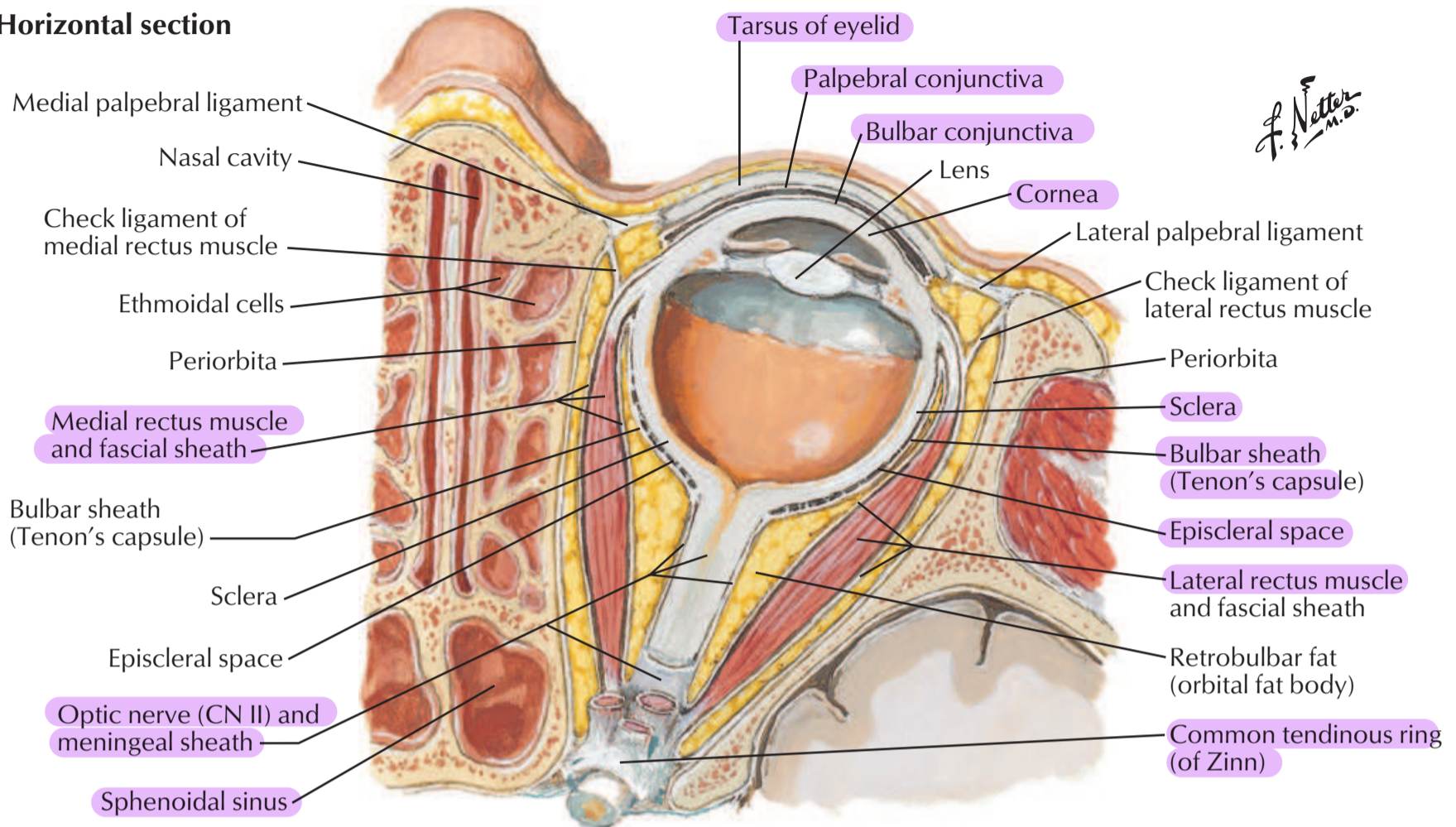
ما أعتقد نيجي ، للاحتياط



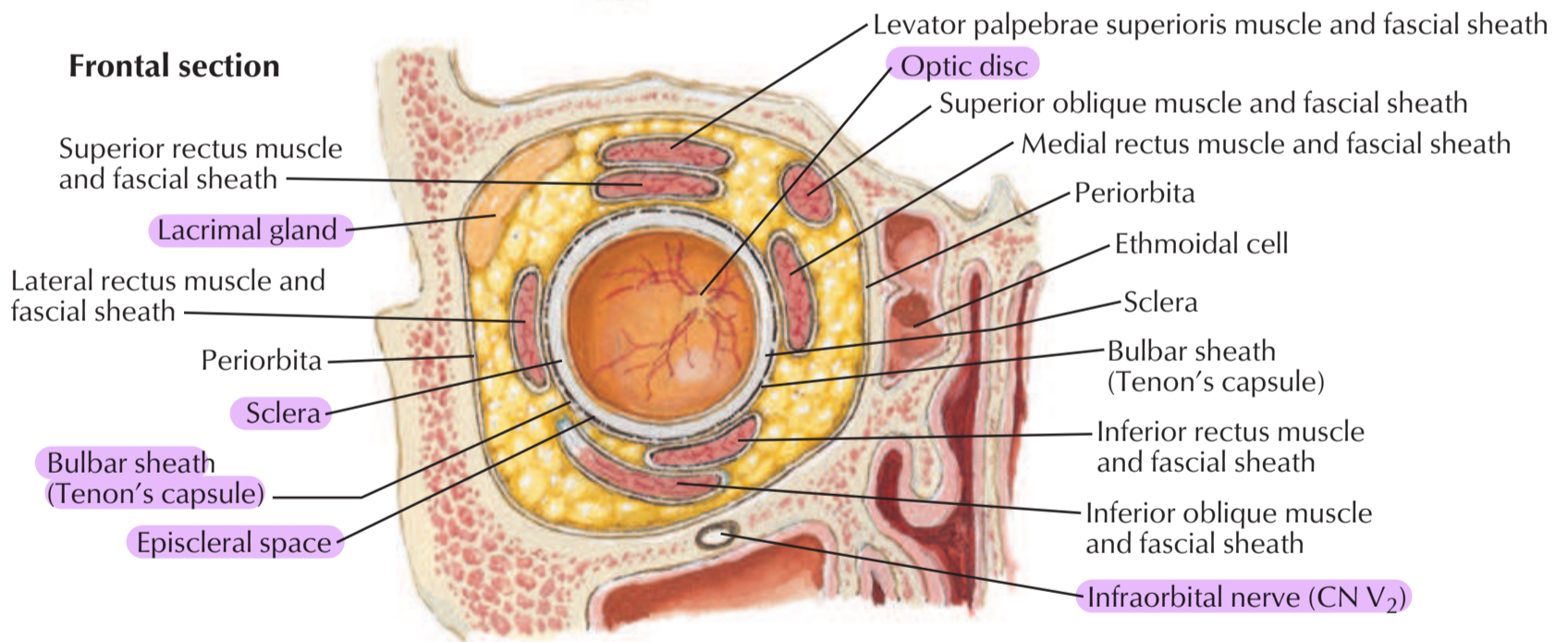


F. S. Netter M.D.

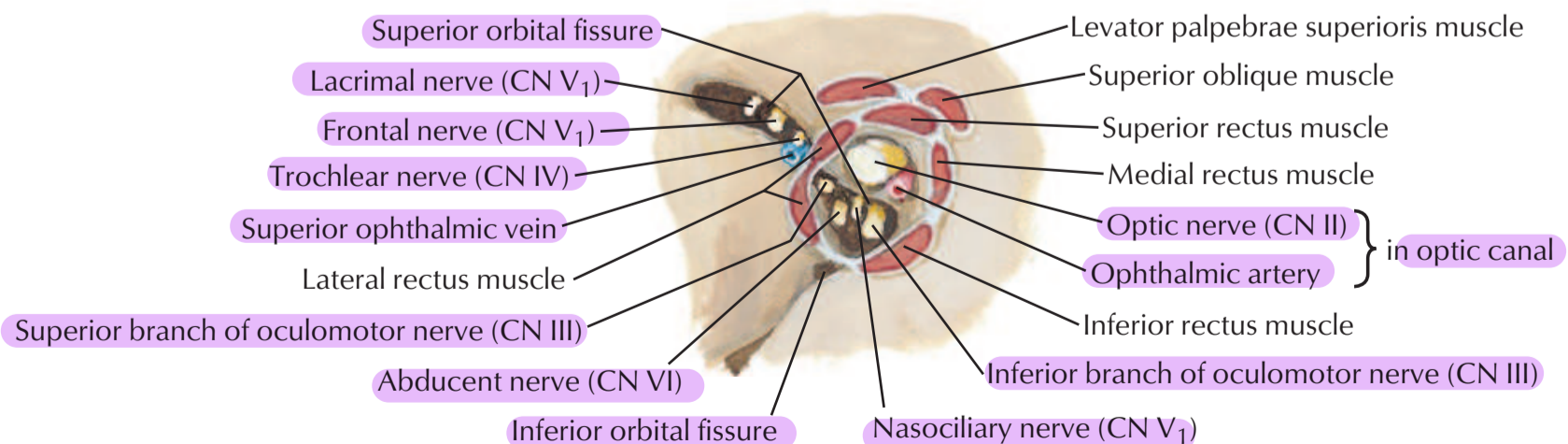
Horizontal section

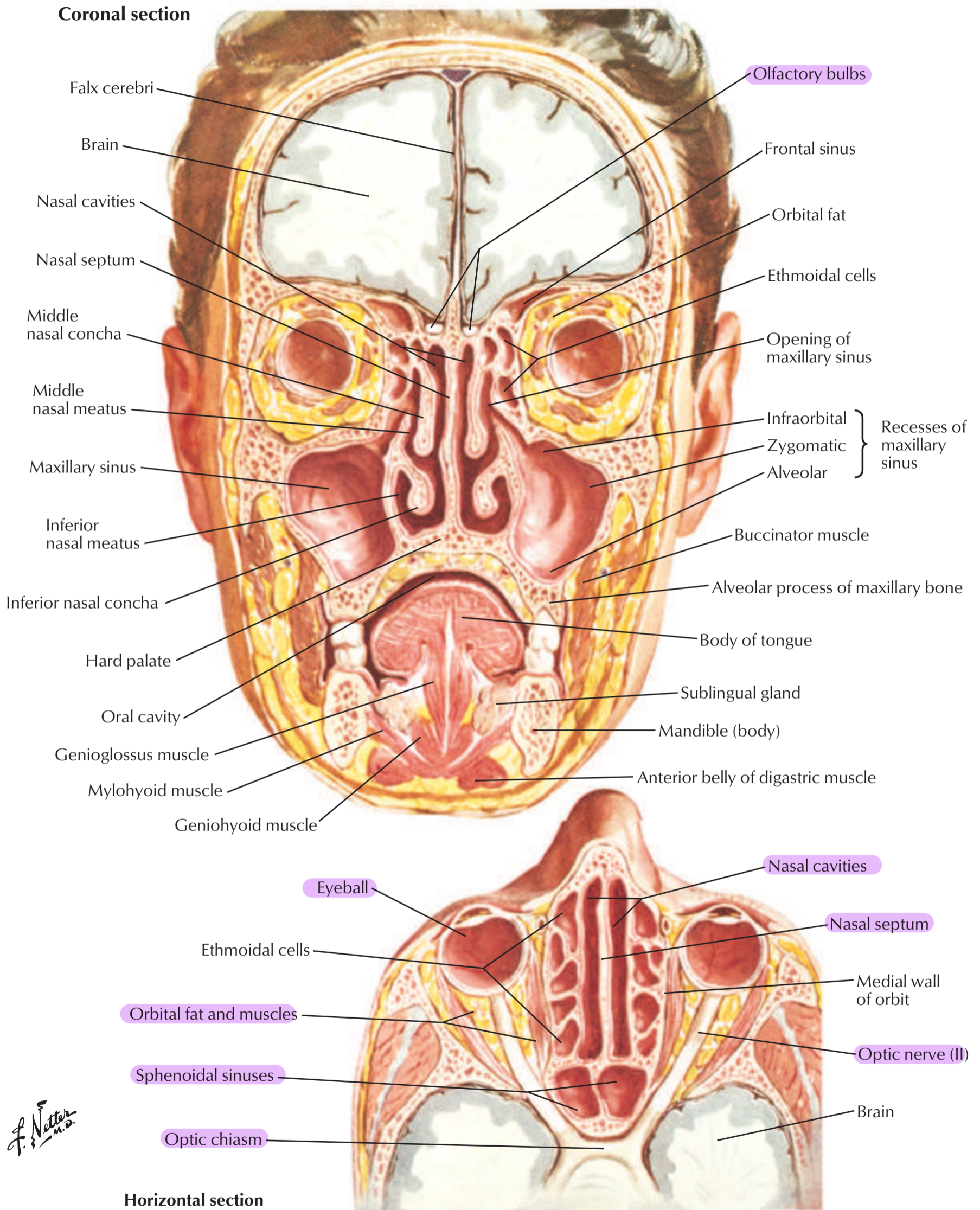


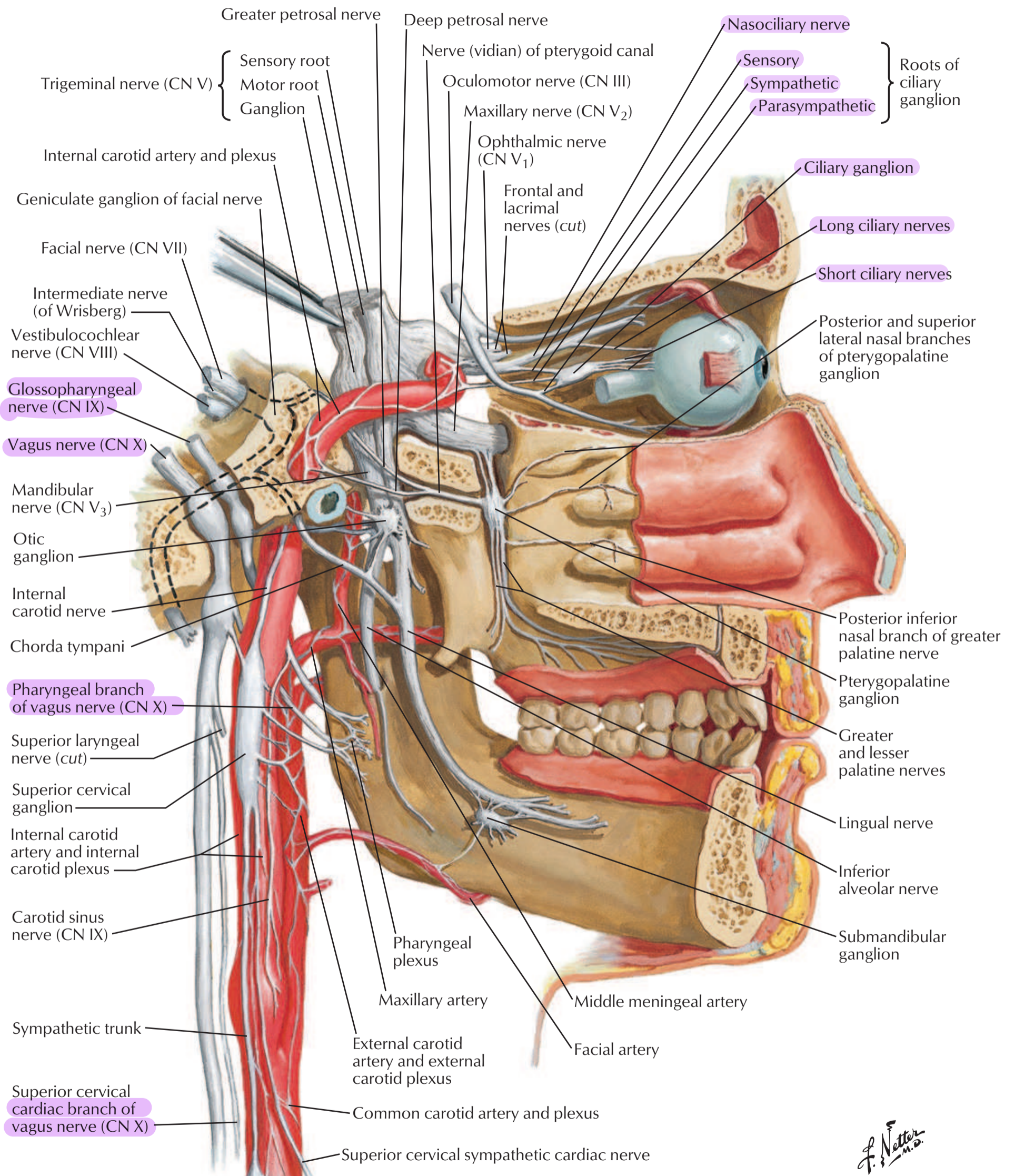
Frontal section



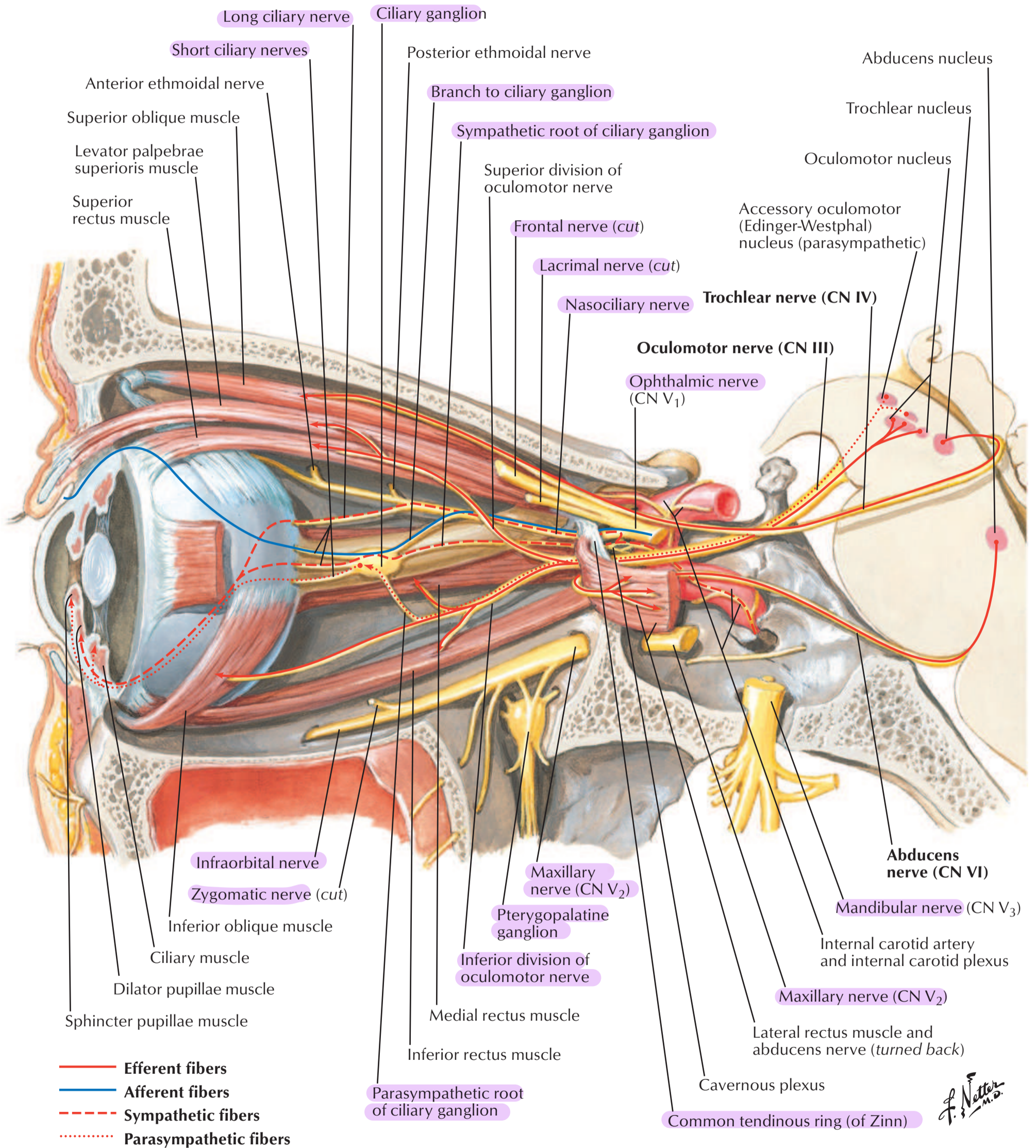
Muscle attachments and nerves and vessels entering orbit







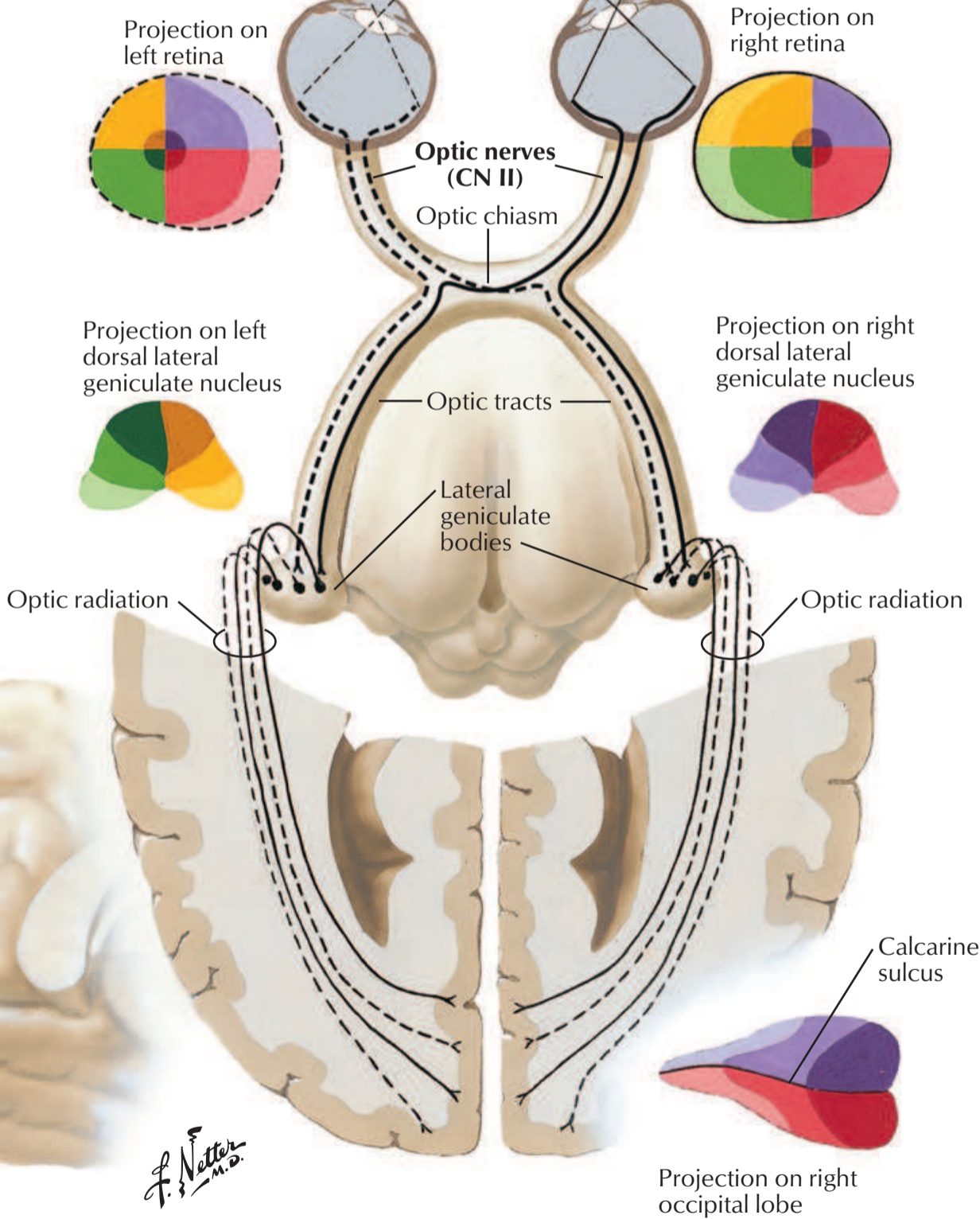
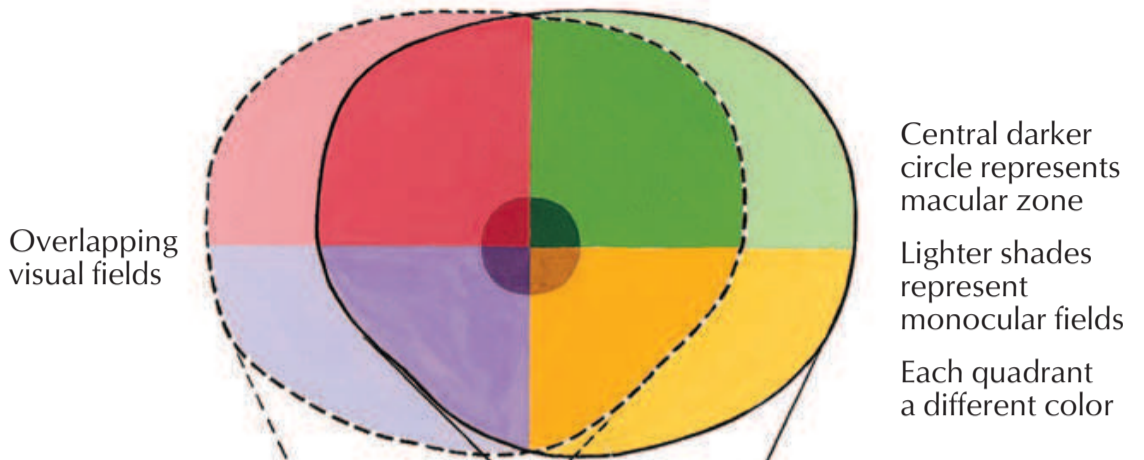
F. Netter M.D.

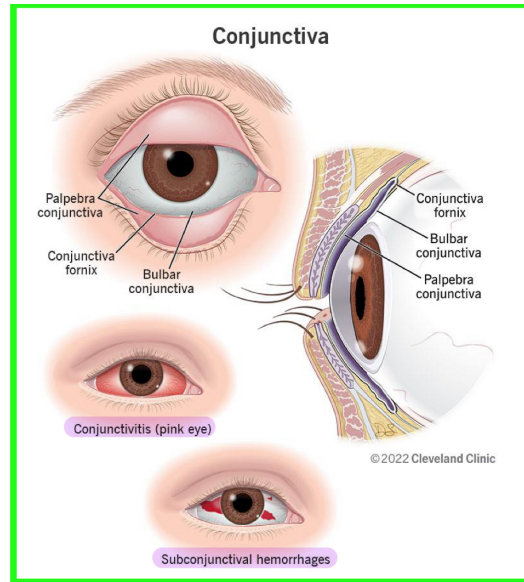
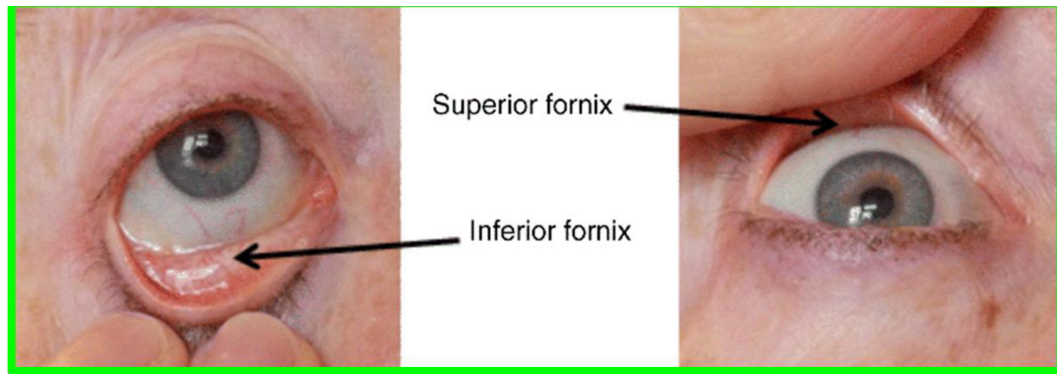
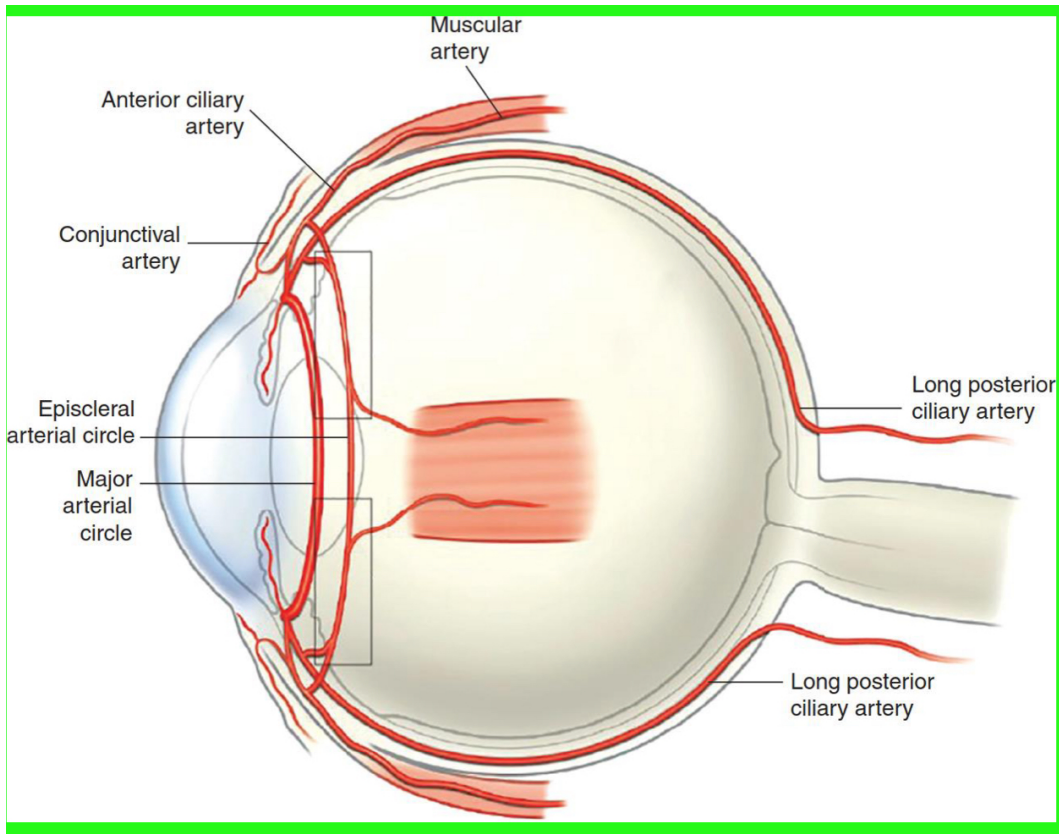




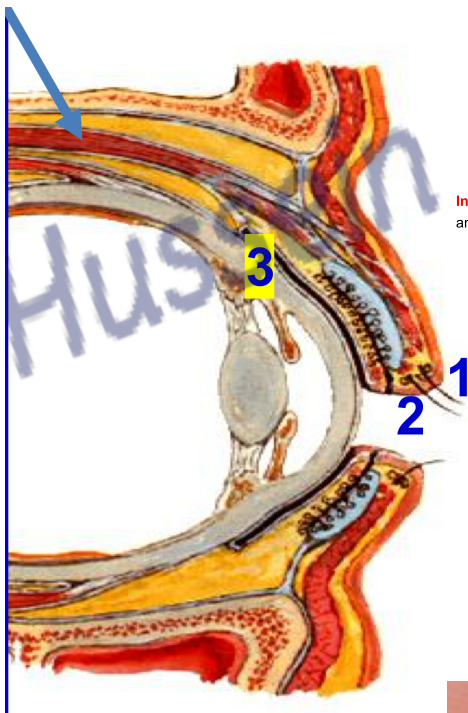
Structure of retina: schema

- A Amacrine cells
- B Bipolar cells
- C Cones
- G Ganglion cells
- H Horizontal cells
- P Pigment cells
- R Rods

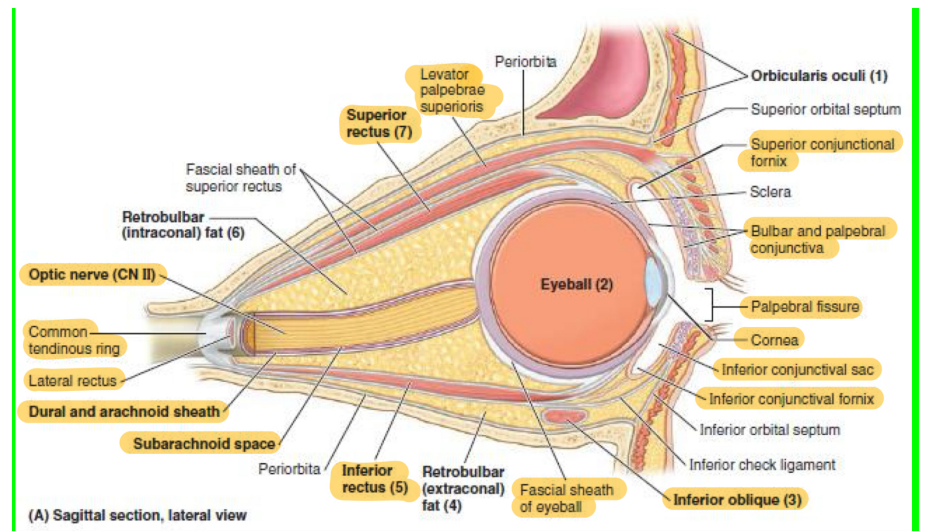




levator palpebrae superioris



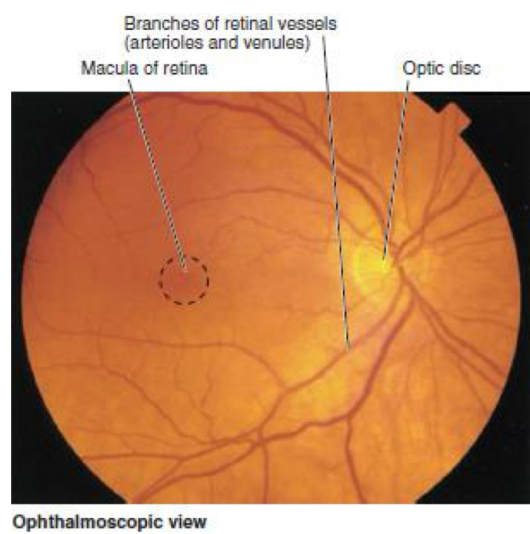
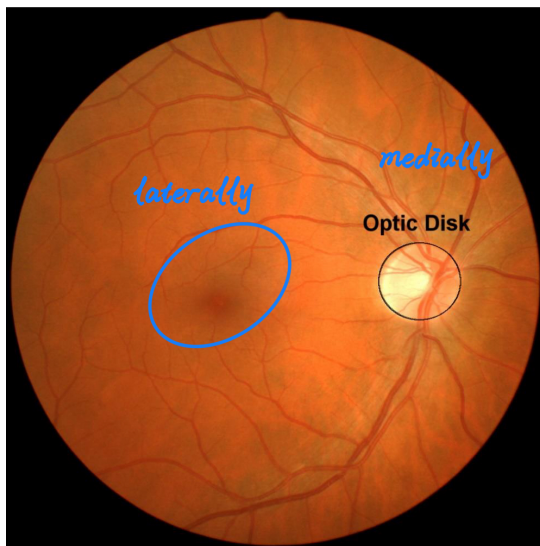
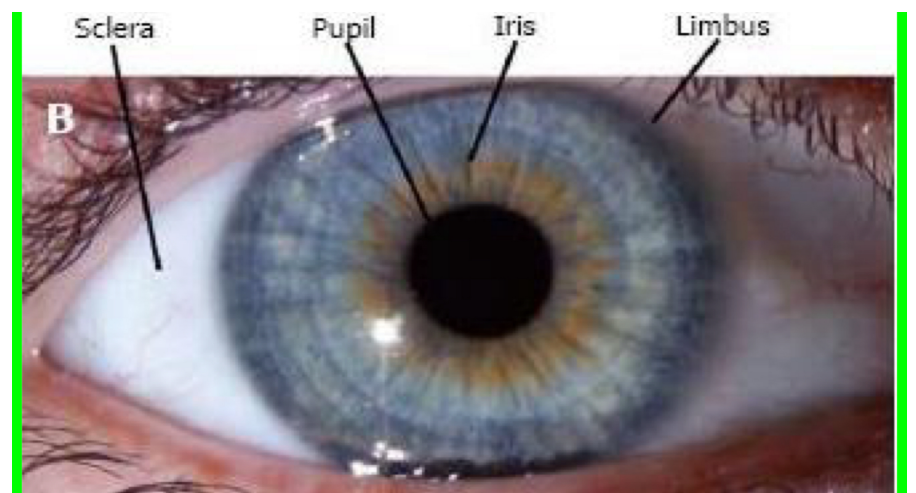
Insertion: the muscle passes forwards below the roof and divides into 3 slips inserted into:
 1) The skin of the upper eye lid.
 2) The tarsus of the upper eye lid.
 3) The upper fornix of conjunctiva.



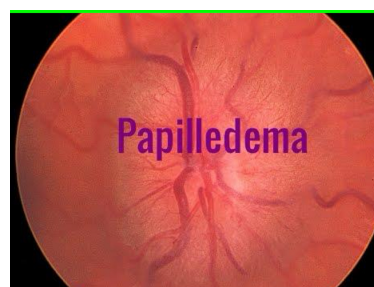
Red-eye reflection (choroid)



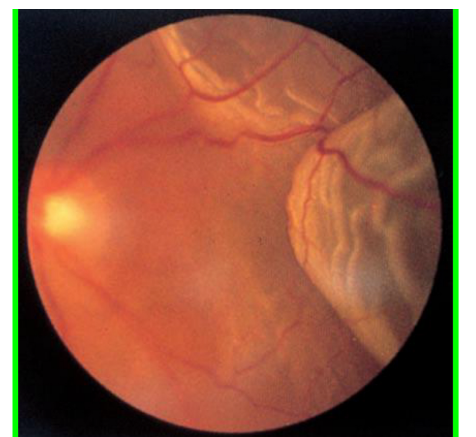
Corneal ulcer



Ophthalmoscopic view



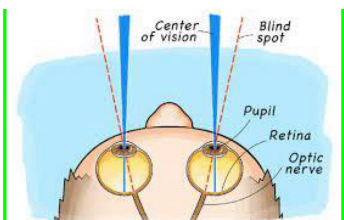
Papilledema



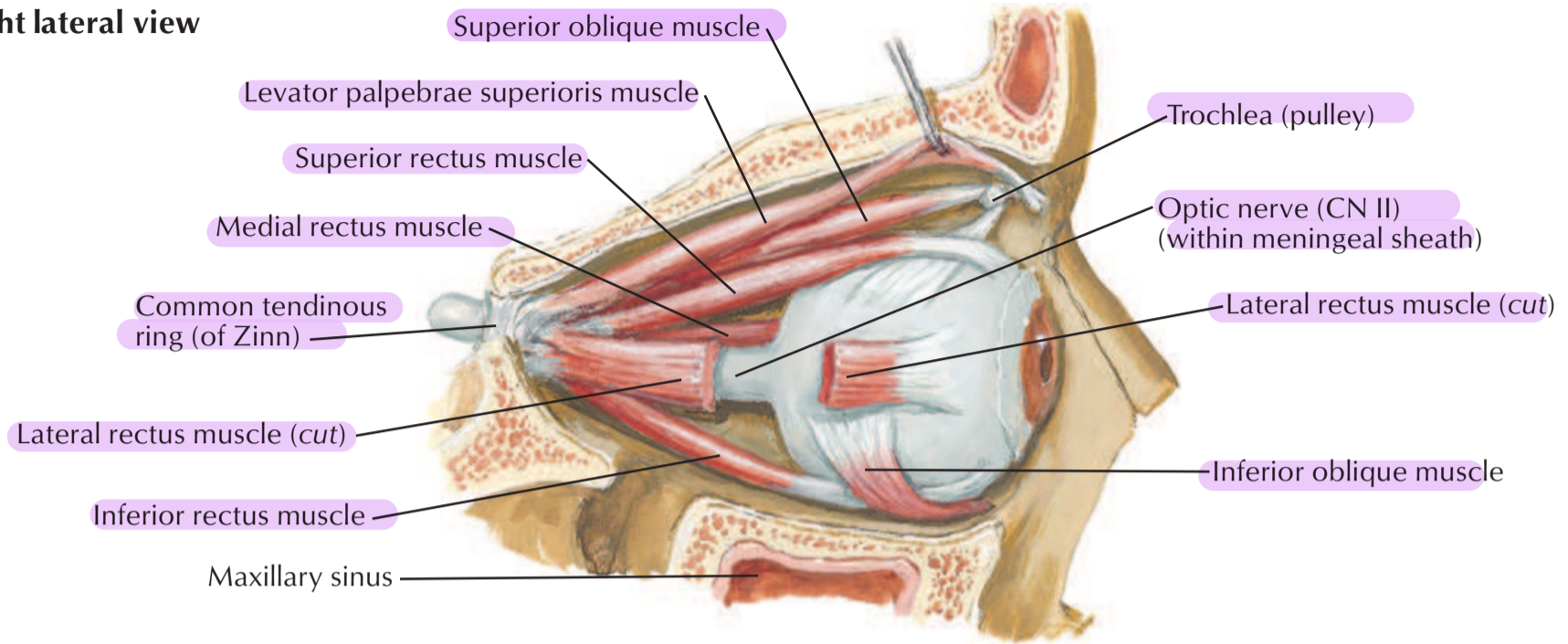
Retinal detachment



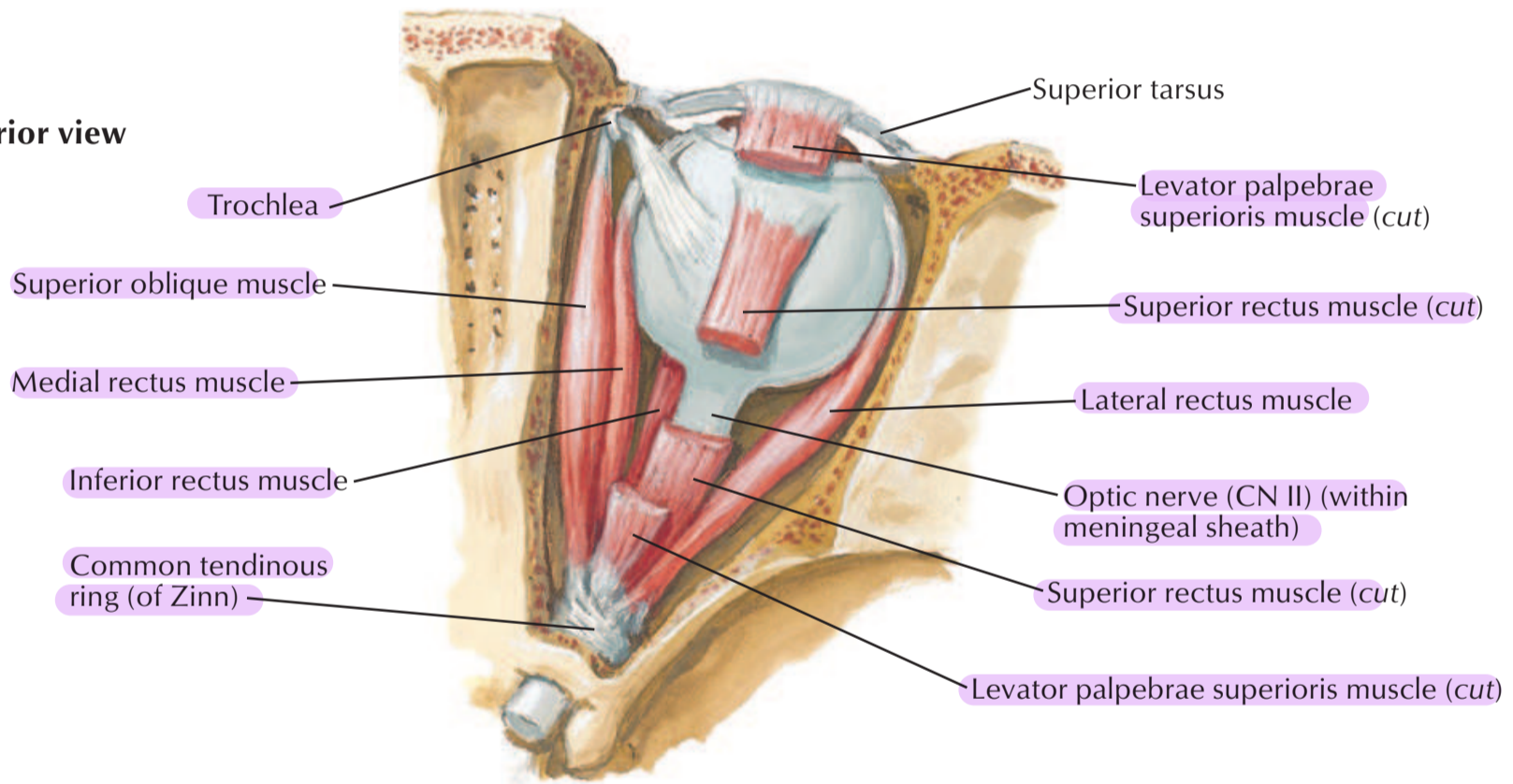
papilledema



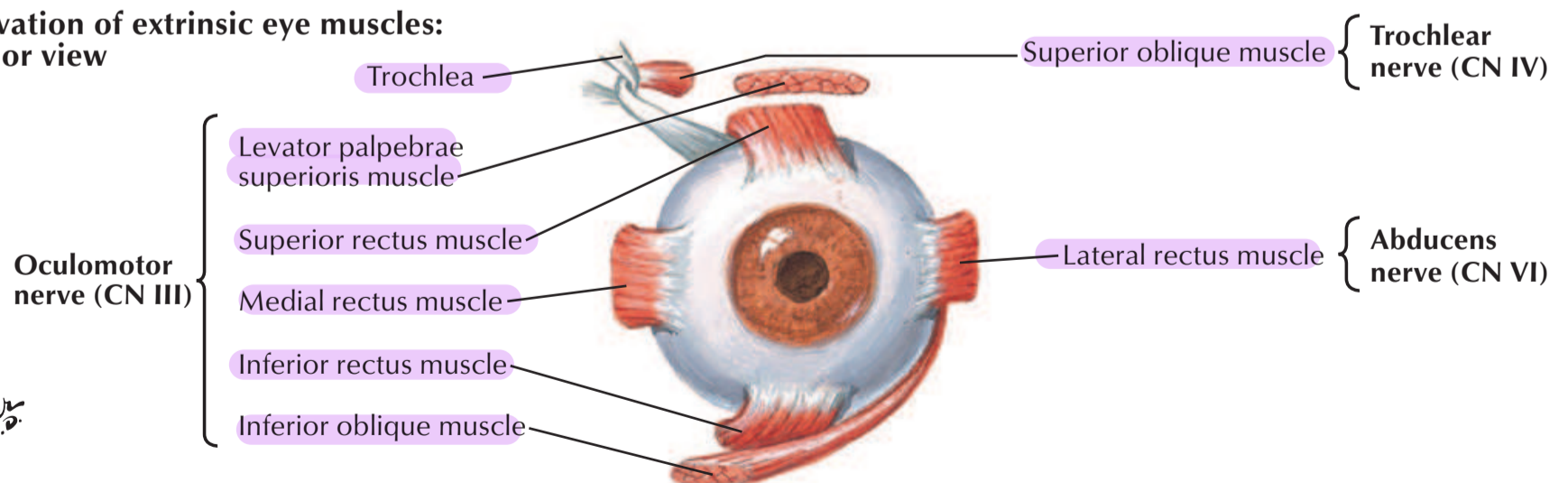
Right lateral view



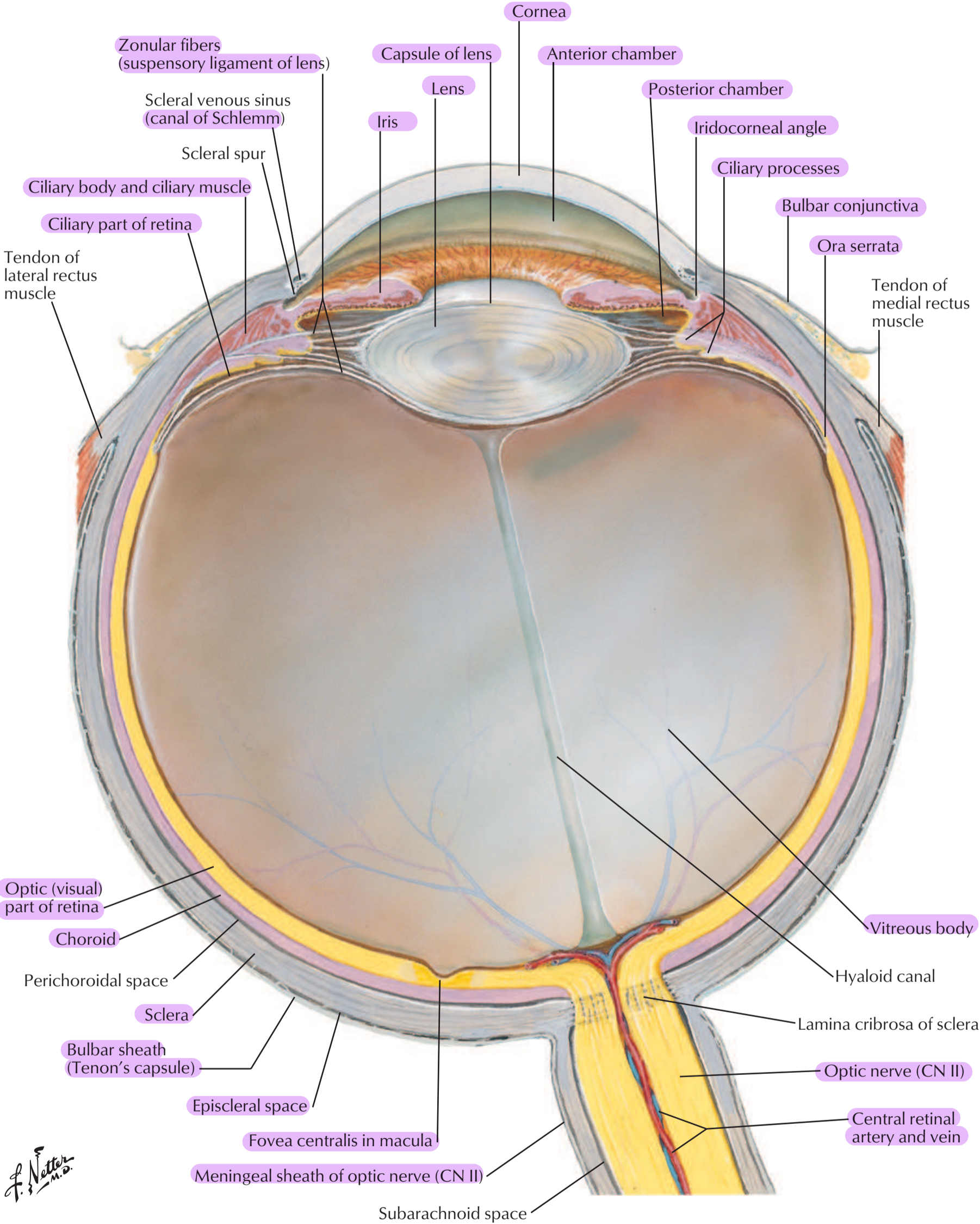
Superior view



**Innervation of extrinsic eye muscles:
anterior view**

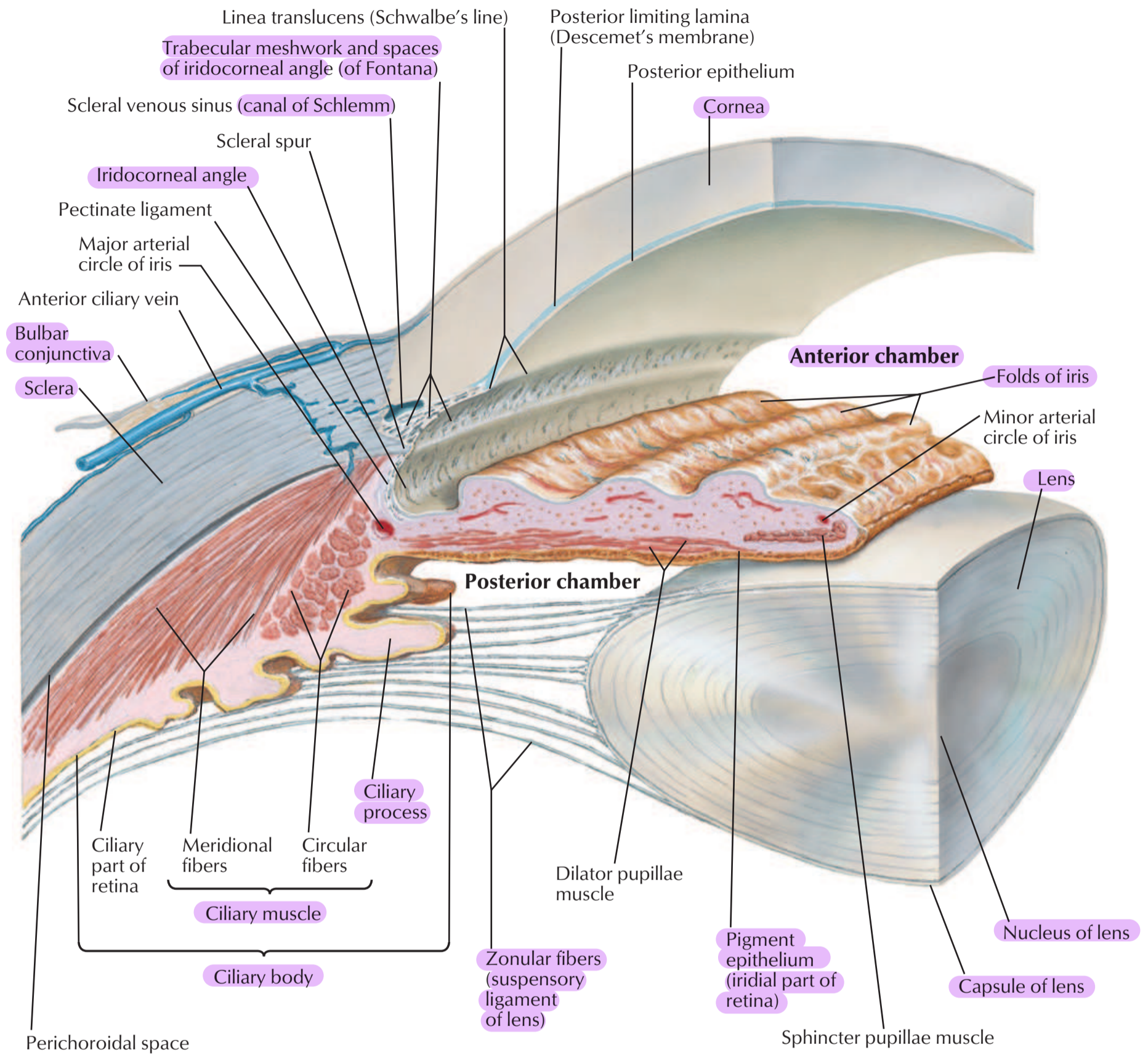


F. Netter M.D.



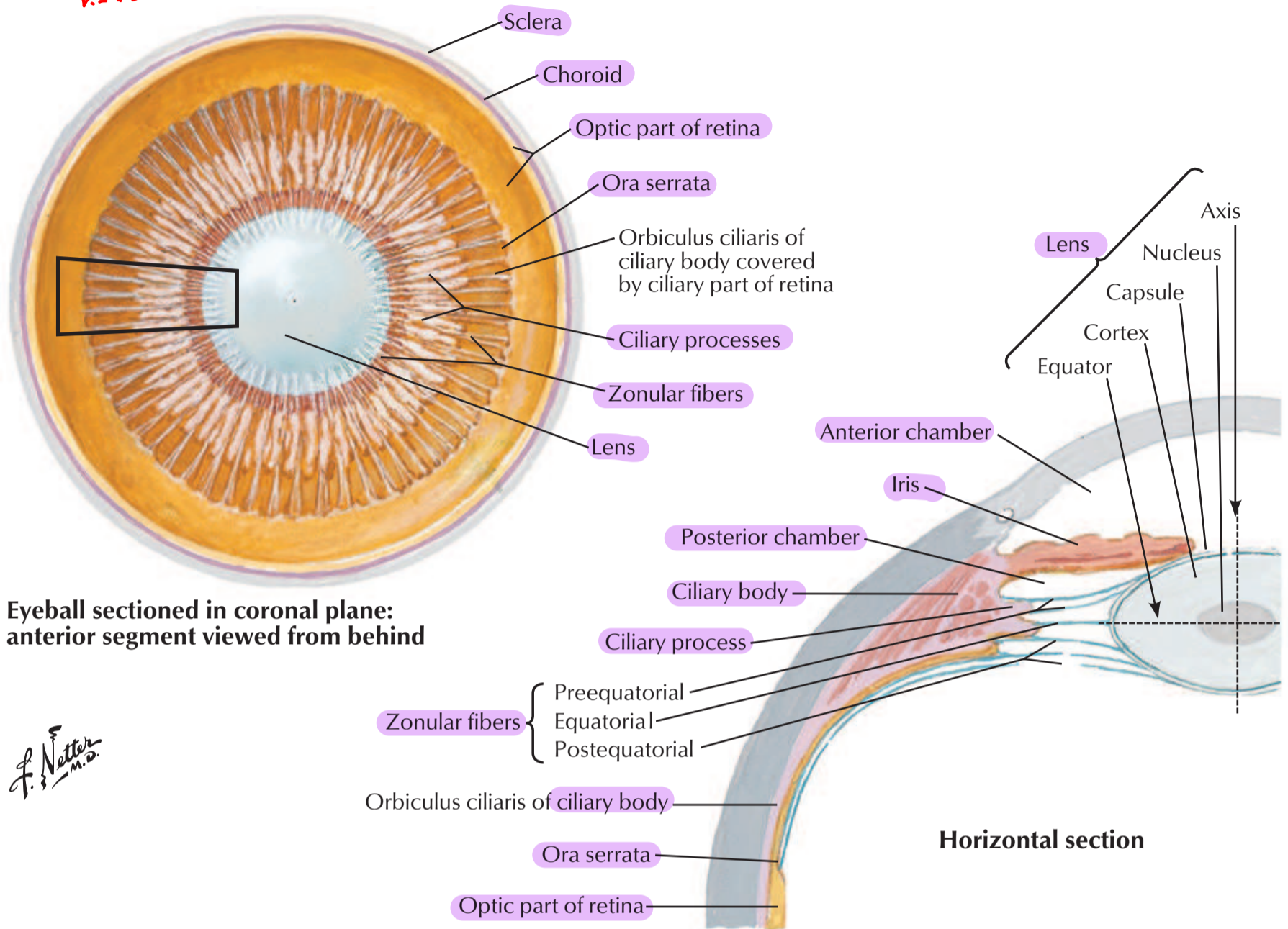
F. Netter M.D.

Anterior and Posterior Chambers of Eyeball



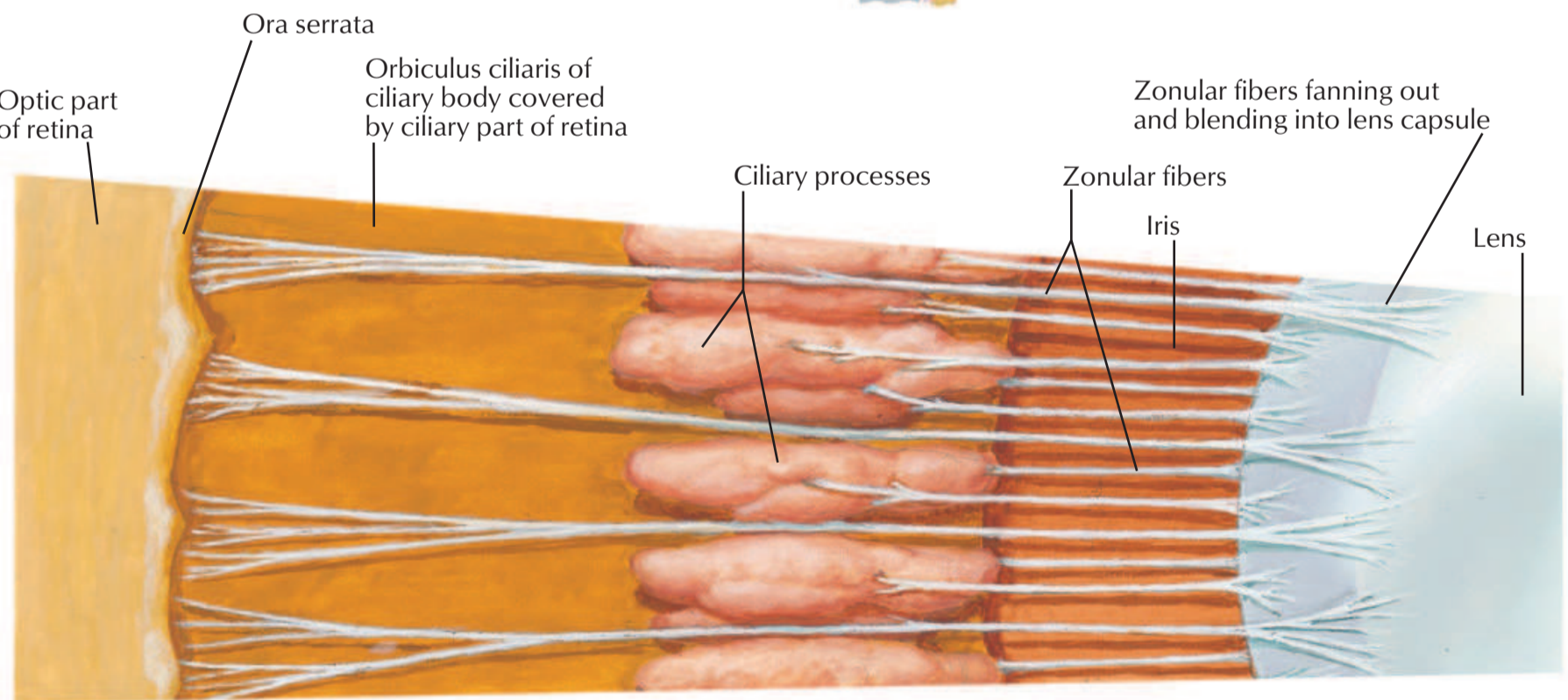
Note: For clarity, only single plane of zonular fibers shown; actually, fibers surround entire circumference of lens.

ما اعتقد الدكتور يجيبها

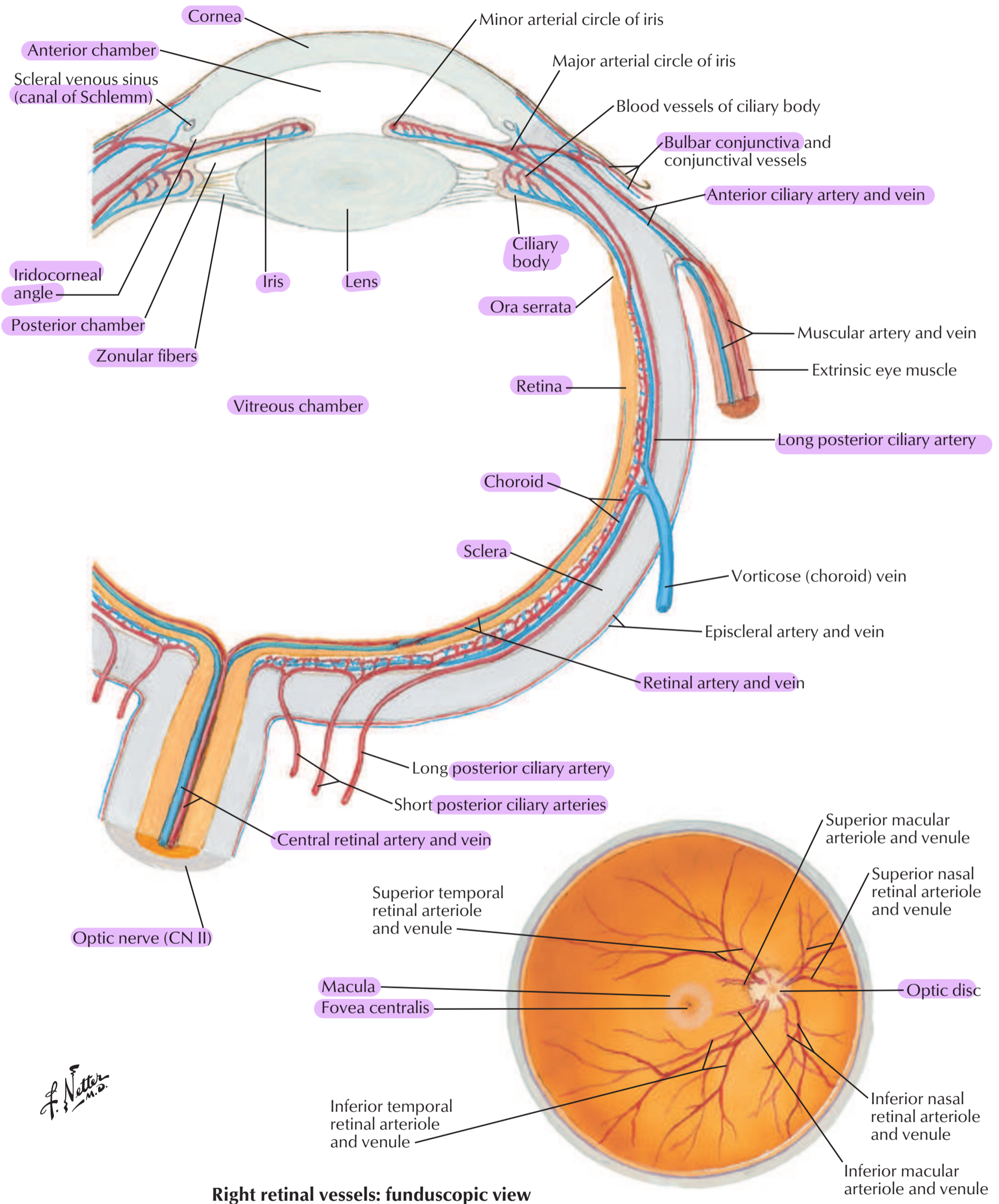


Eyeball sectioned in coronal plane: anterior segment viewed from behind

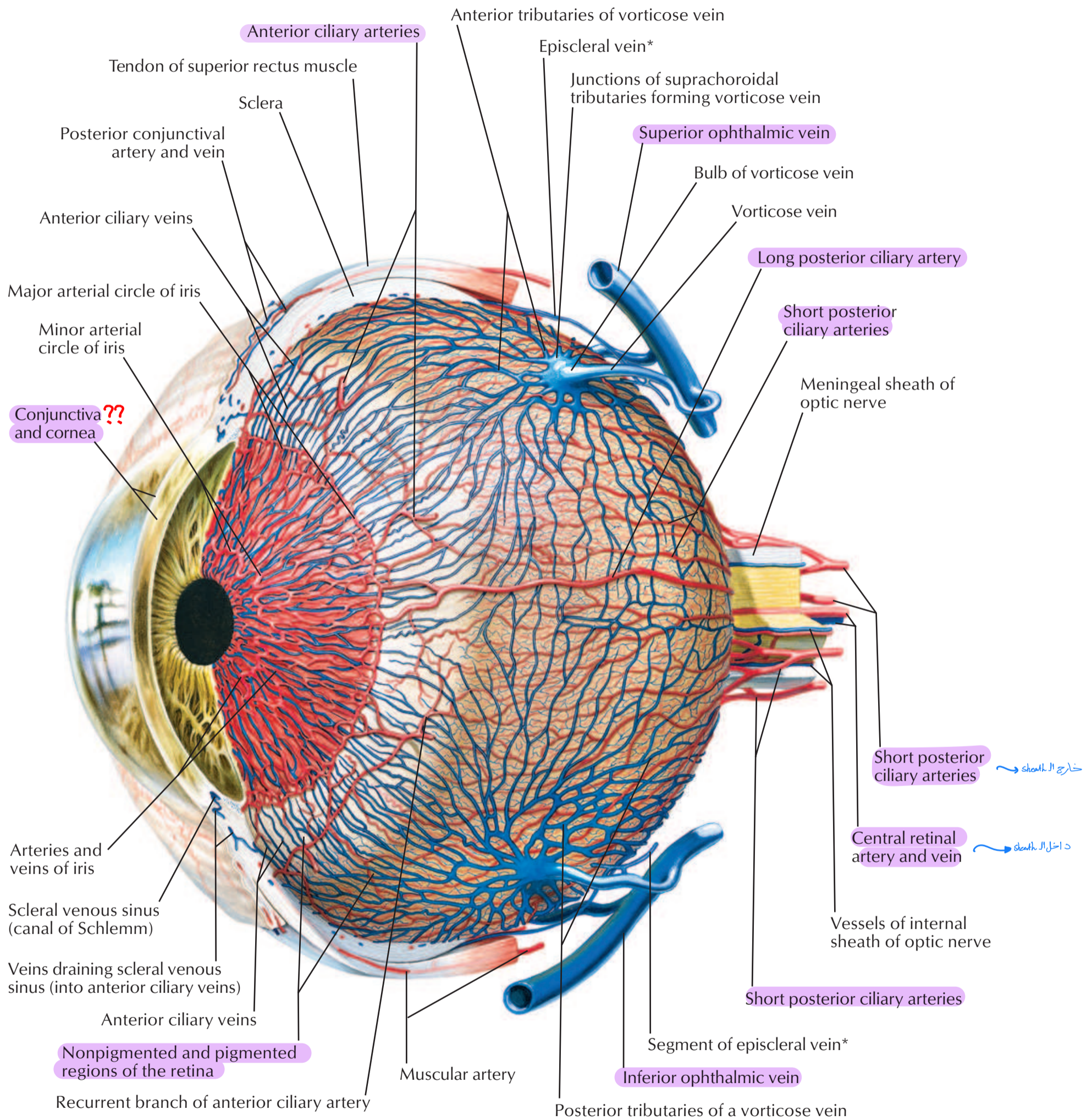
Horizontal section



Enlargement of segment outlined in top illustration (semischematic)



Vascular arrangements within the choroid (vascular tunic) of the eyeball



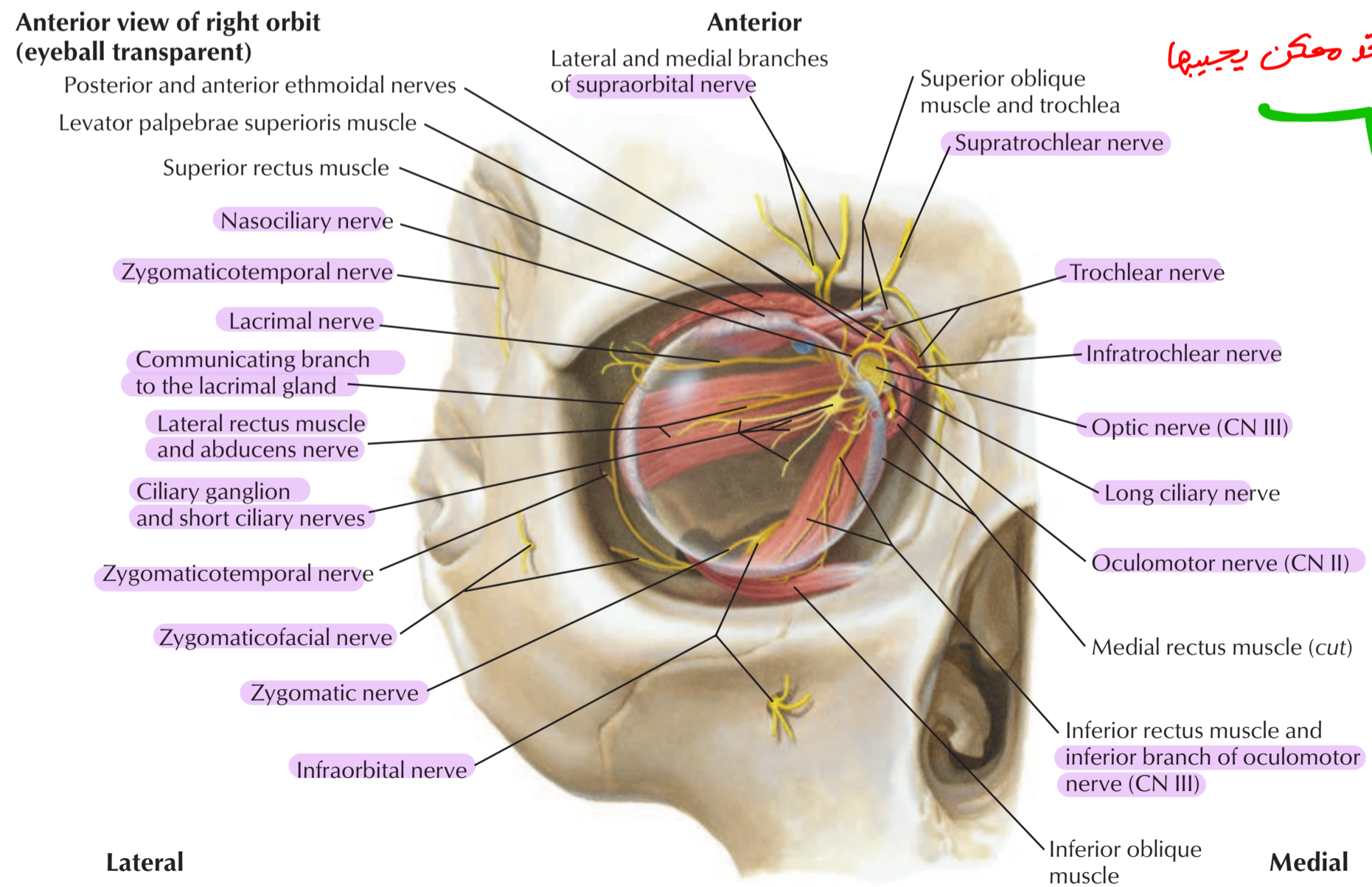
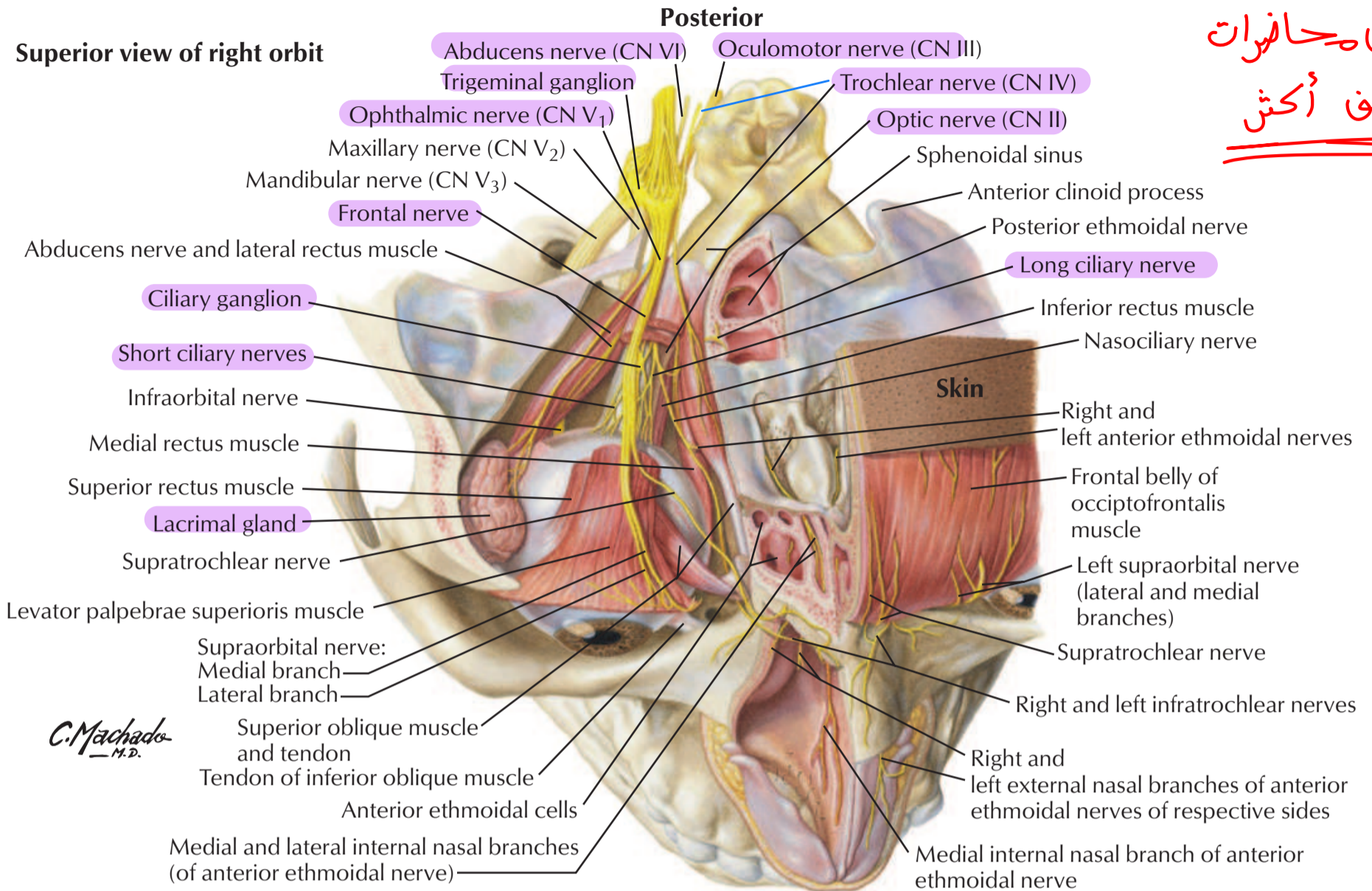
*The episcleral veins are shown here anastomosing with the vorticose veins, which they do; however, they also drain into the anterior ciliary veins.

C. Machado M.D.



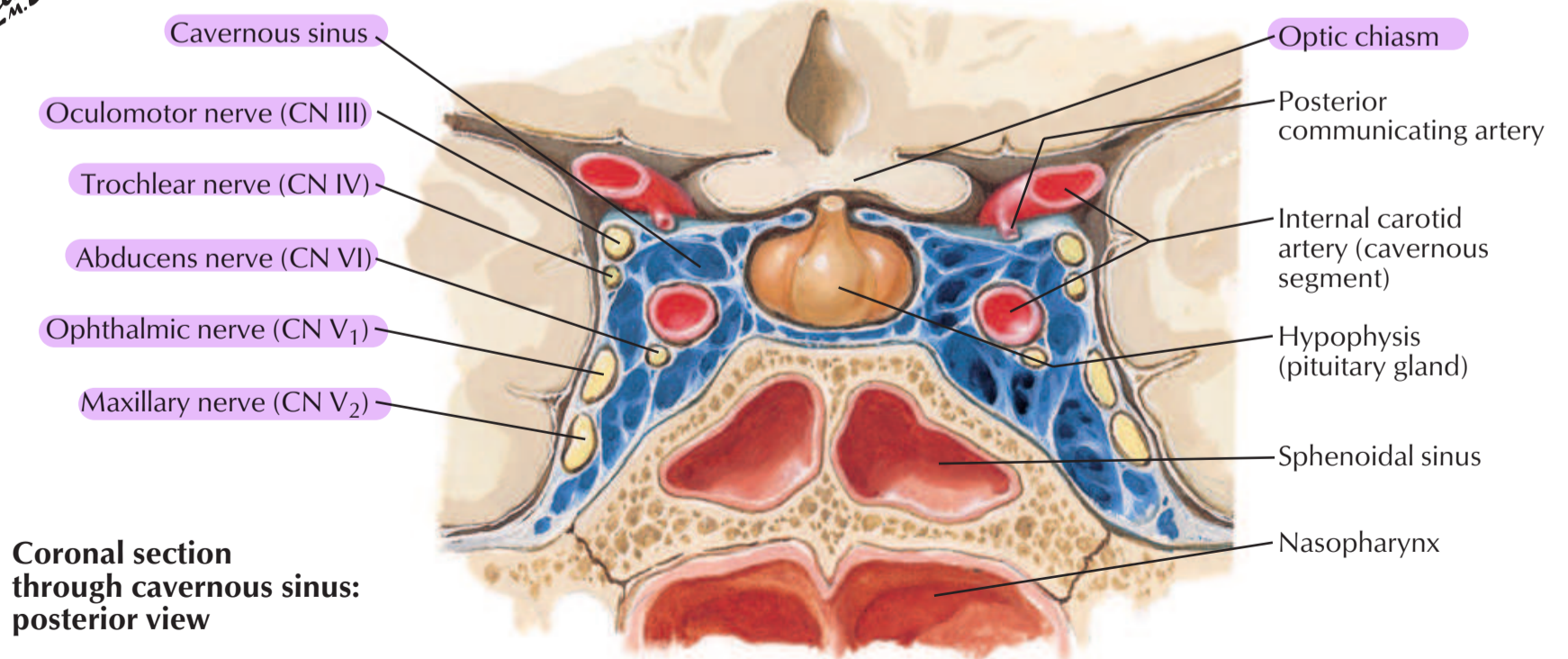
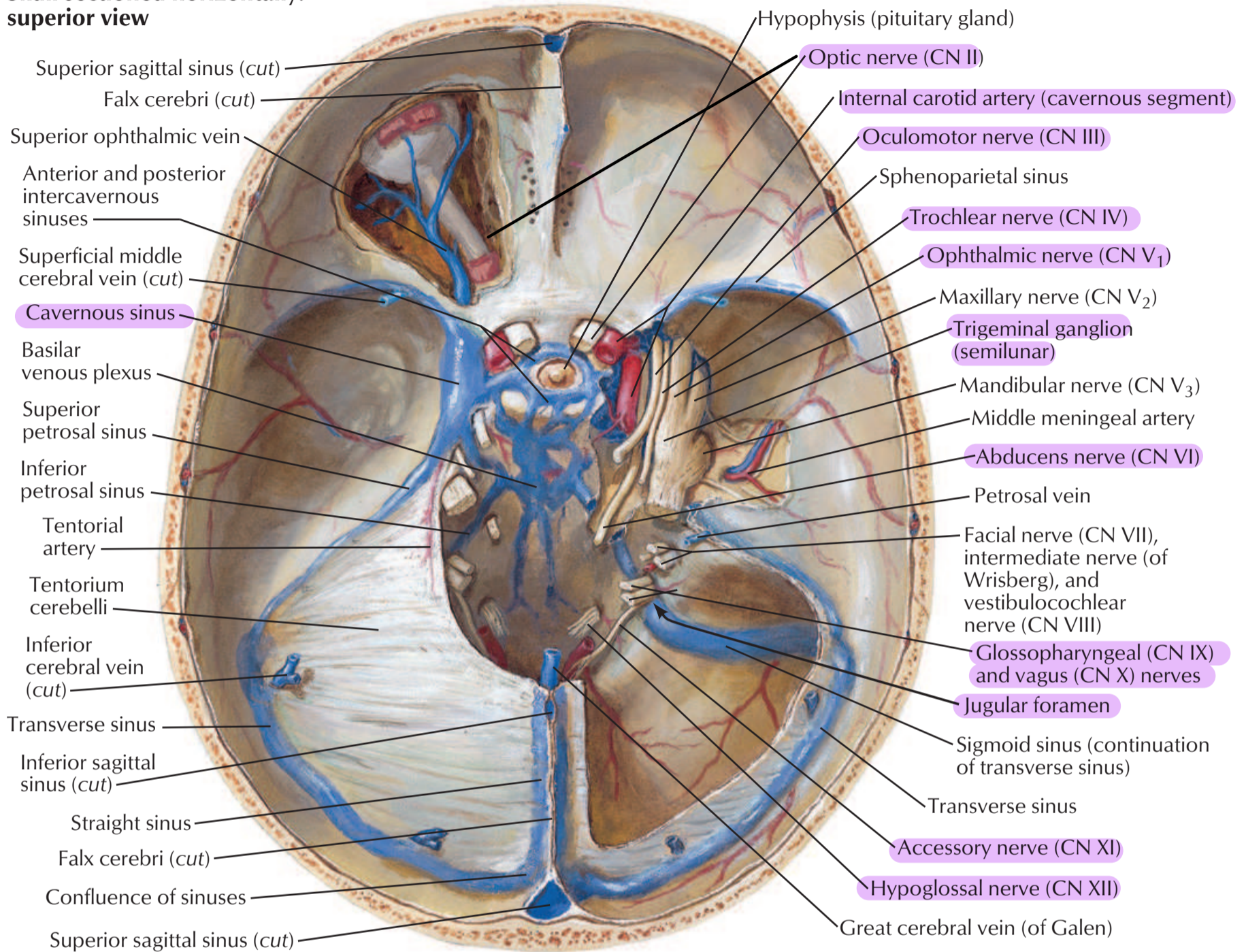
Direct & consensual light reflex

ببخشها حافظرات
دیوسفی اکتش

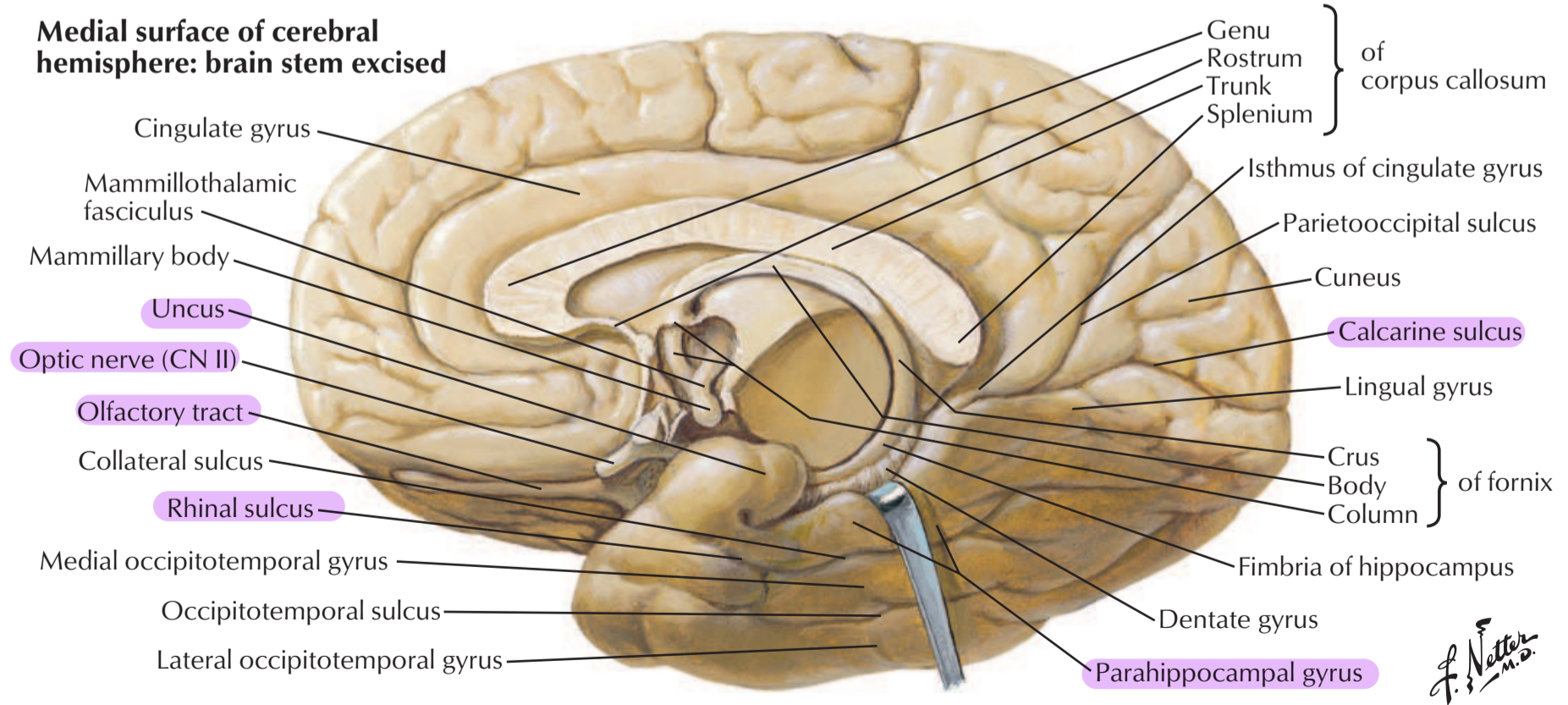
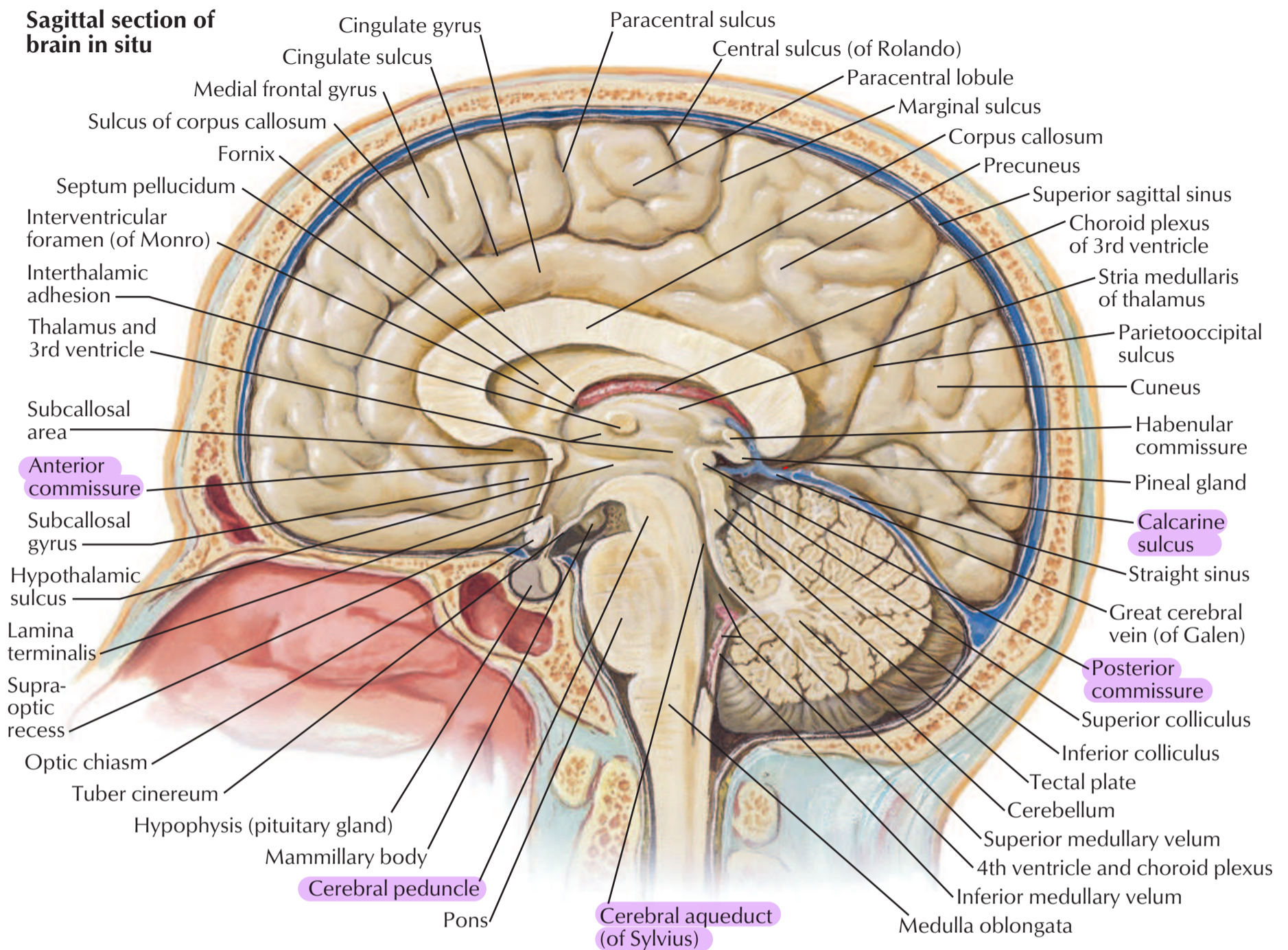


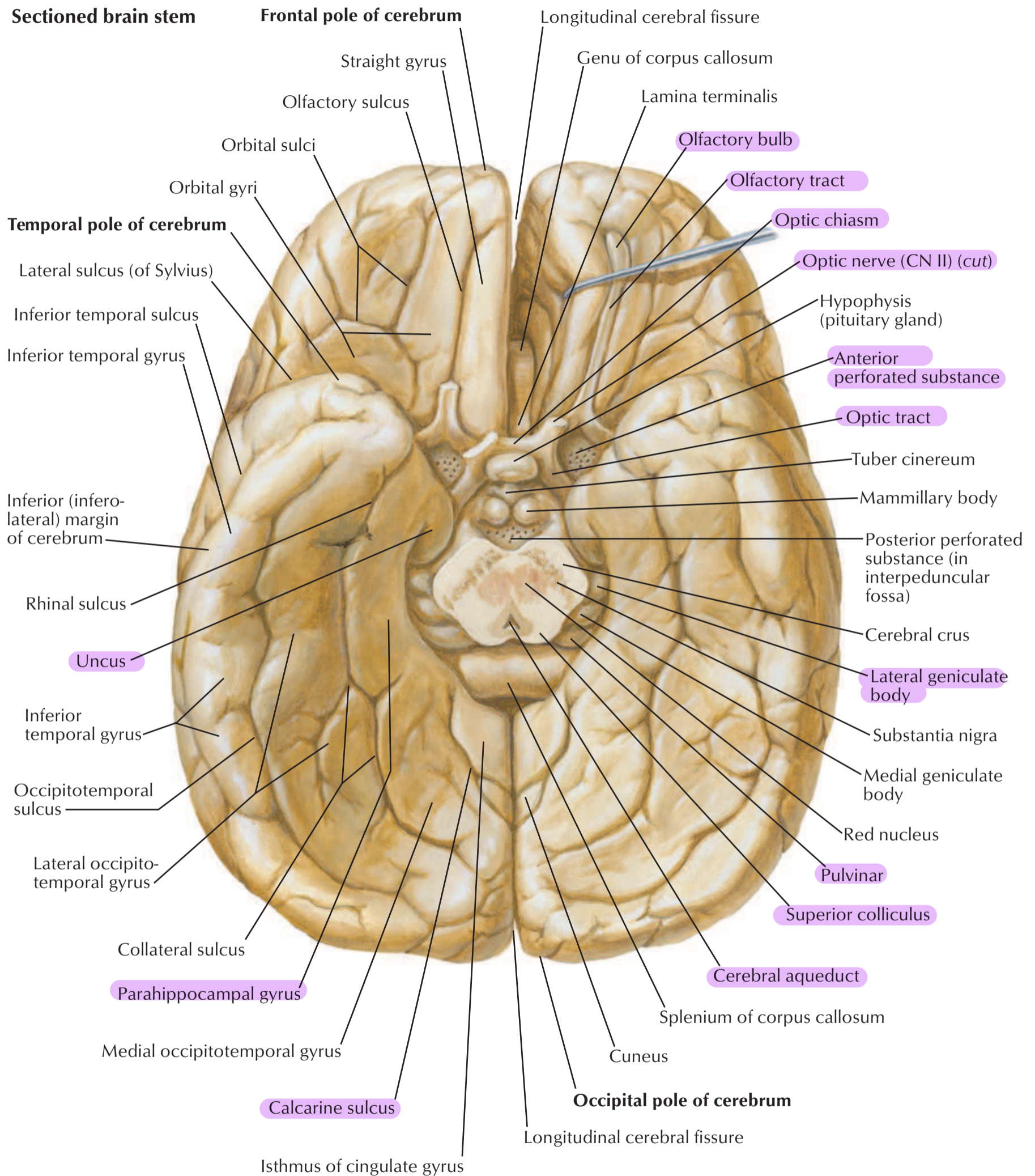
ما اءعندء هءءن ىءءبءها *

Skull sectioned horizontally: superior view

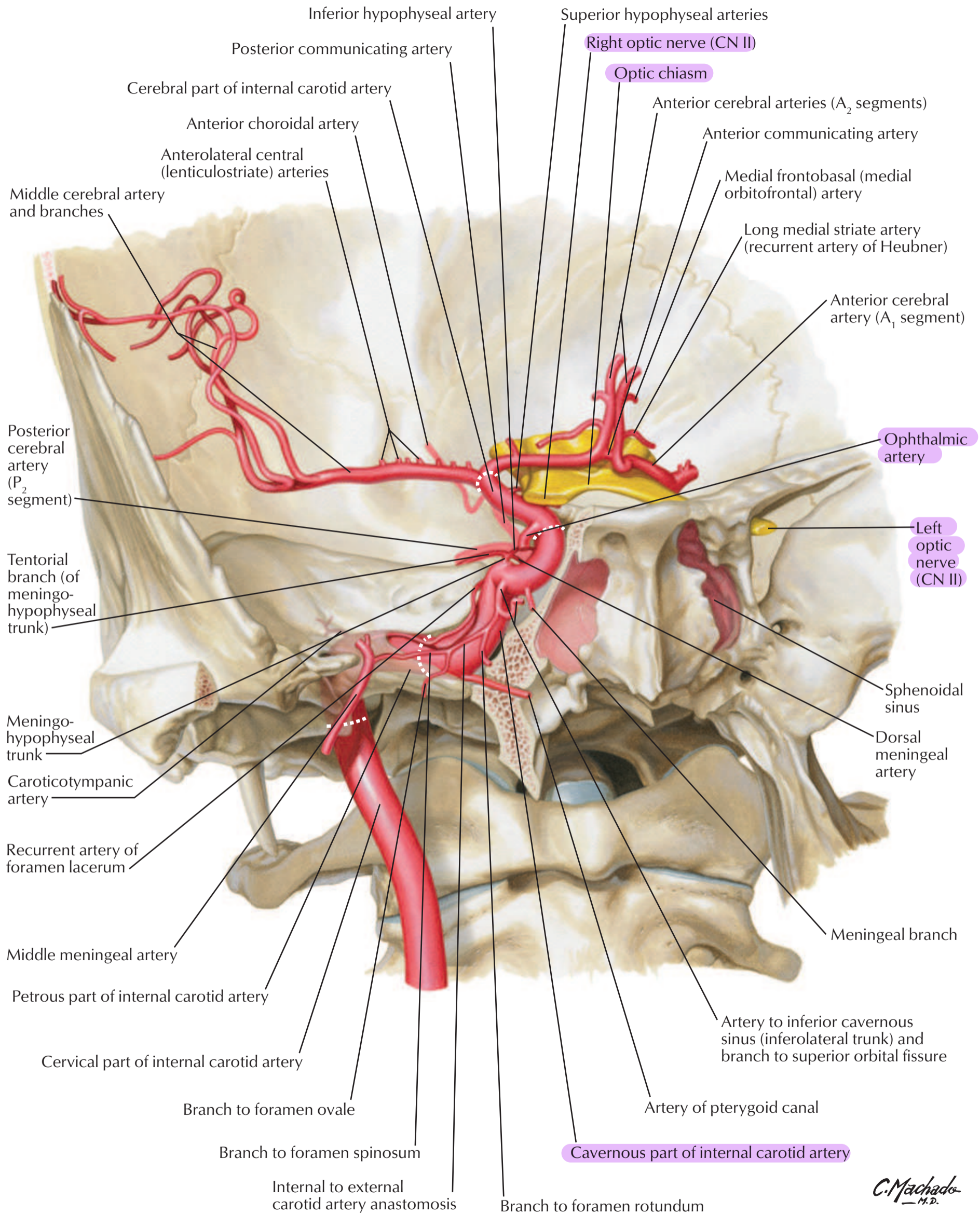


Coronal section through cavernous sinus: posterior view

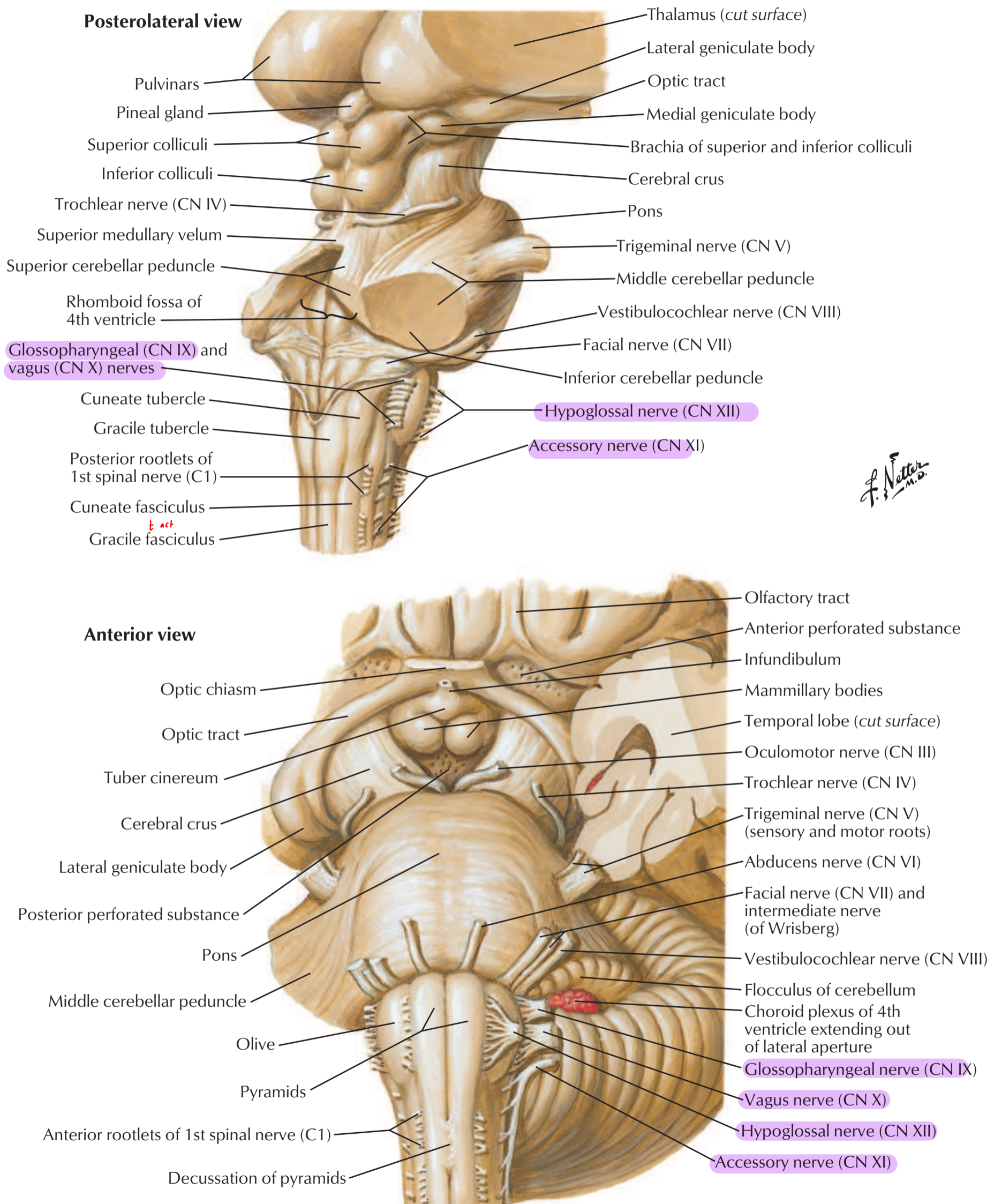




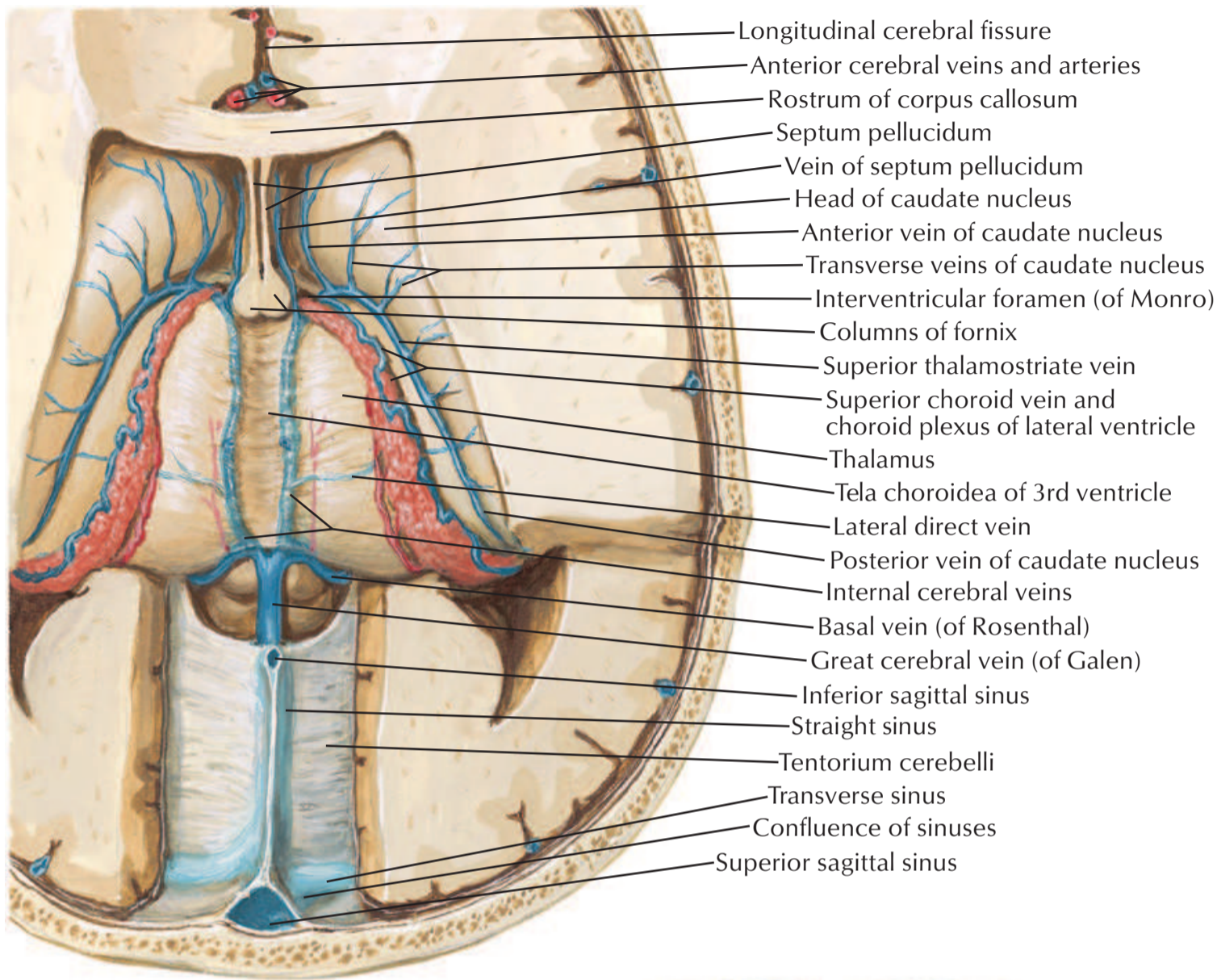
F. Netter M.D.



C. Machado
— M.D.



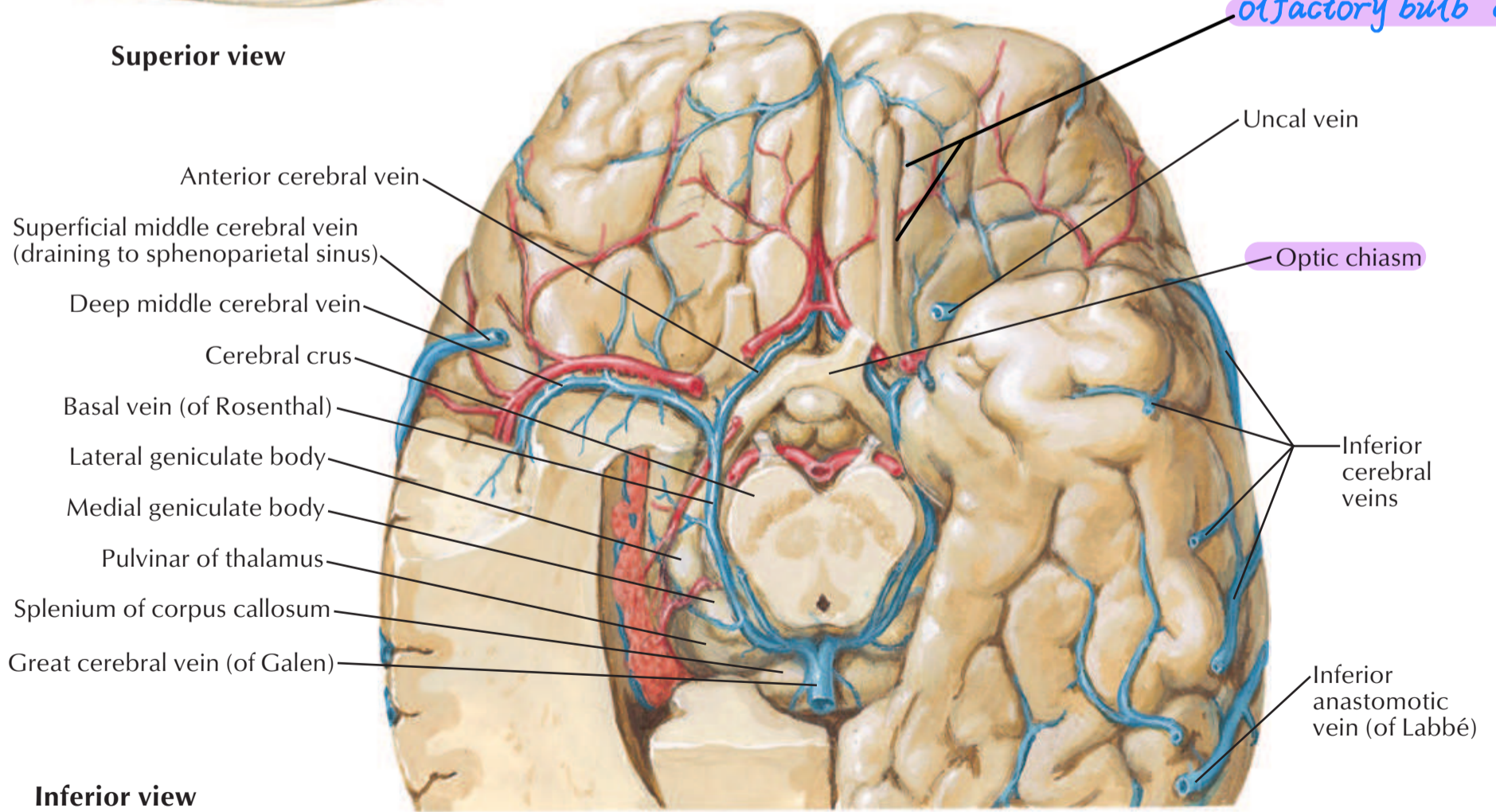
For superficial veins of brain see [Plate 122](#)



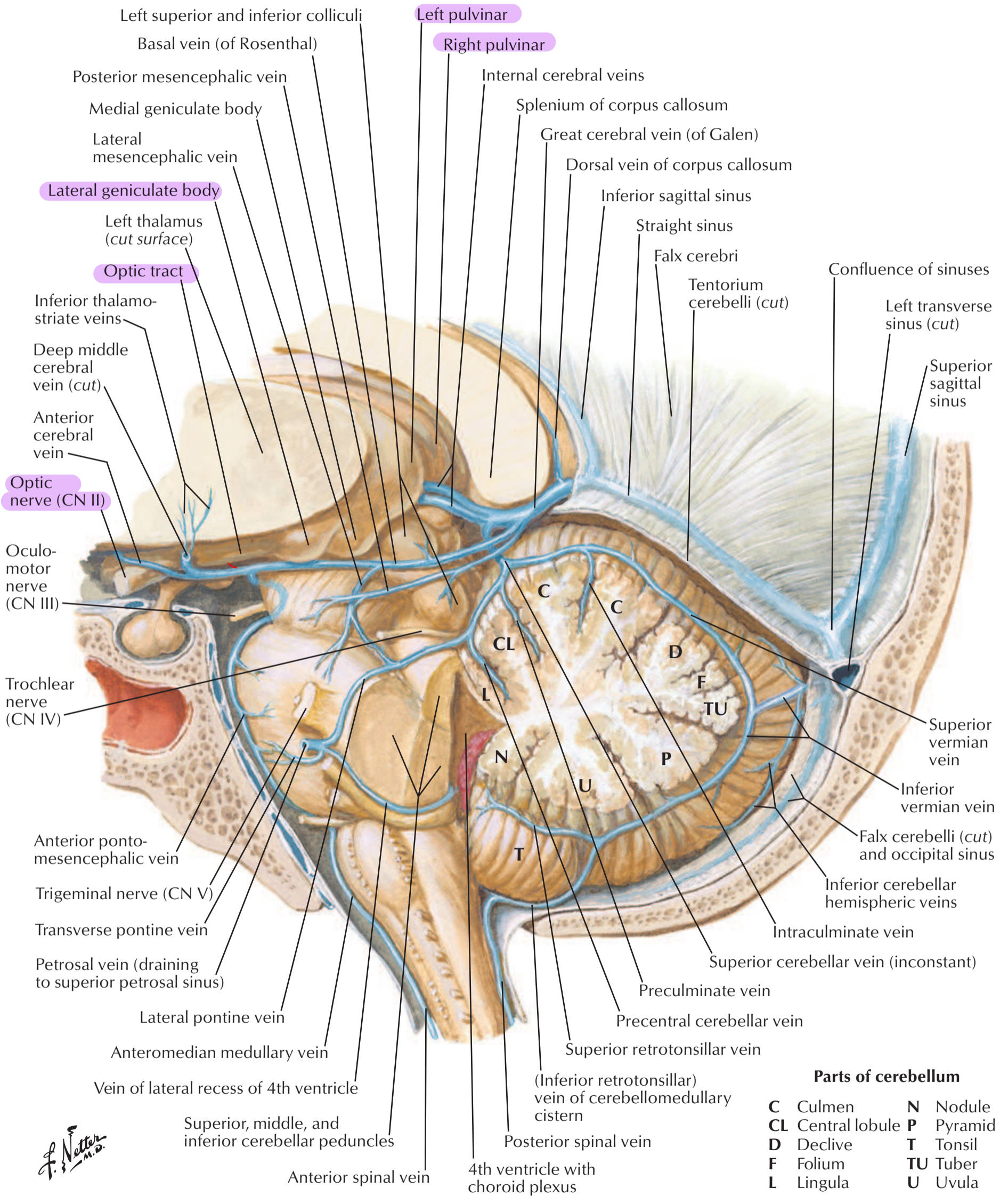
Superior view

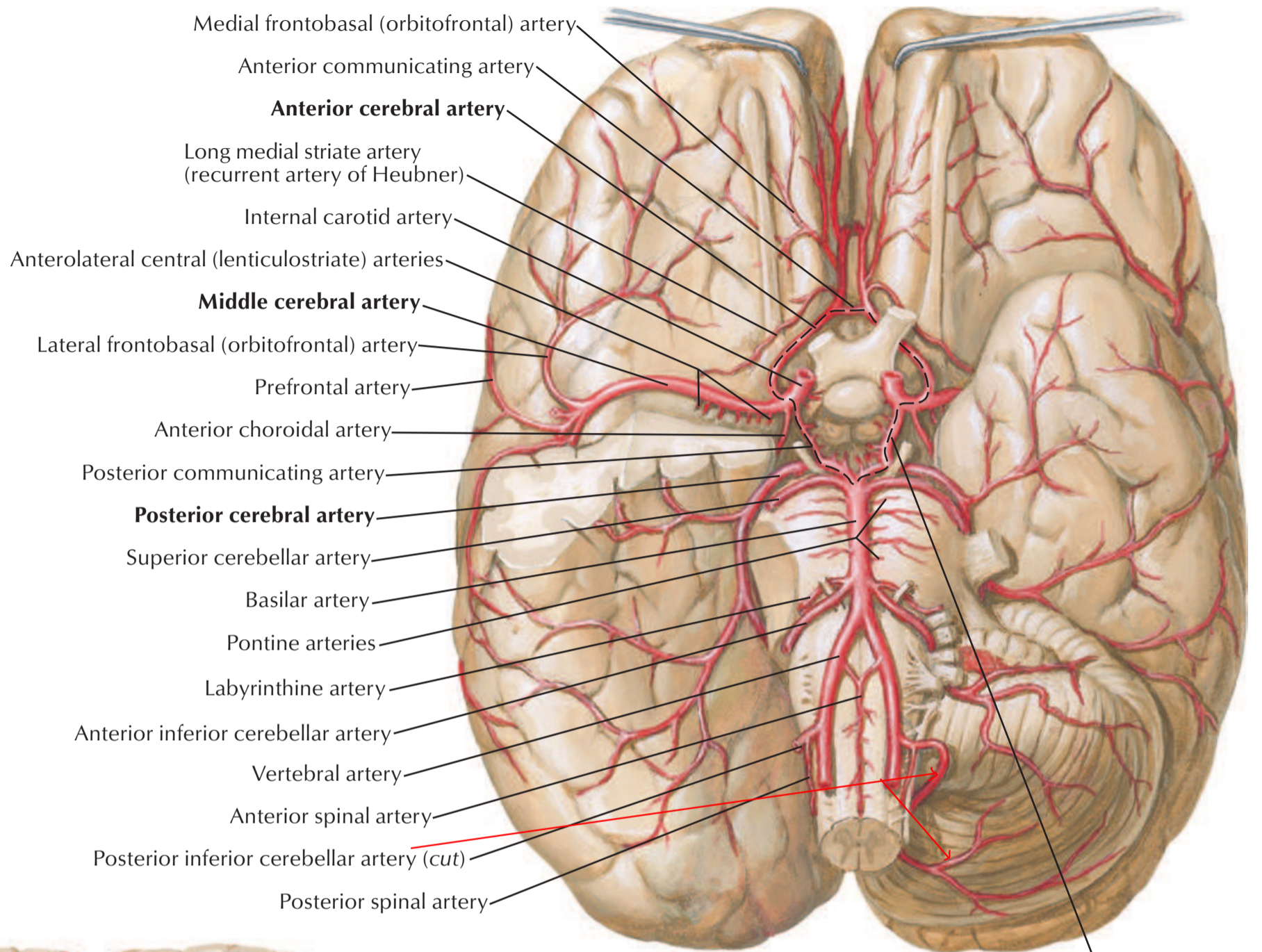
F. Netter M.D.

olfactory bulb & tract

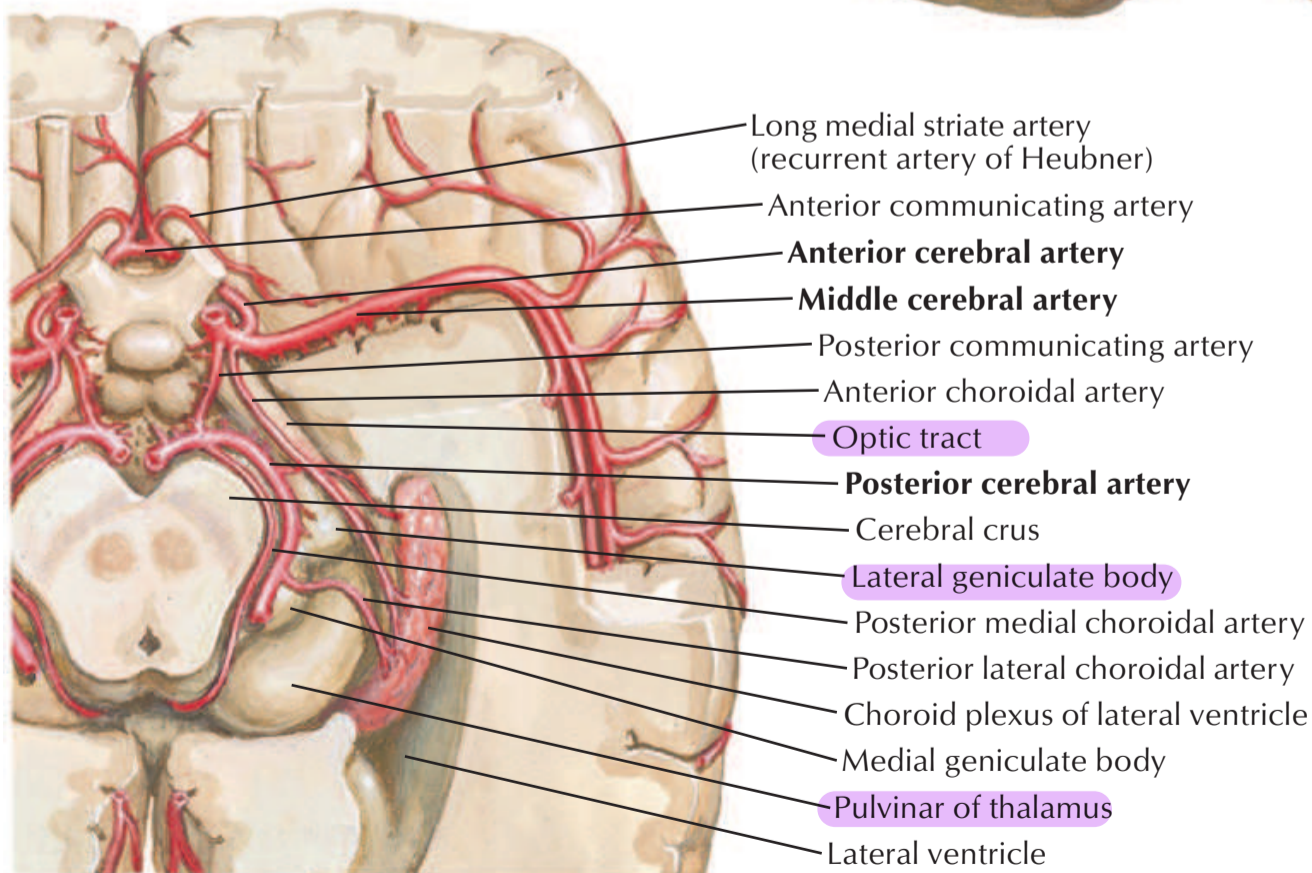


Inferior view

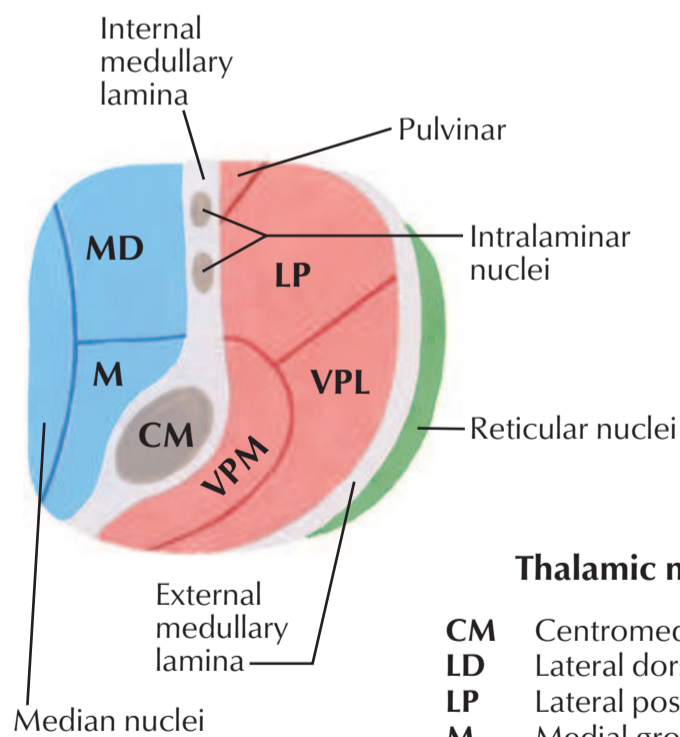
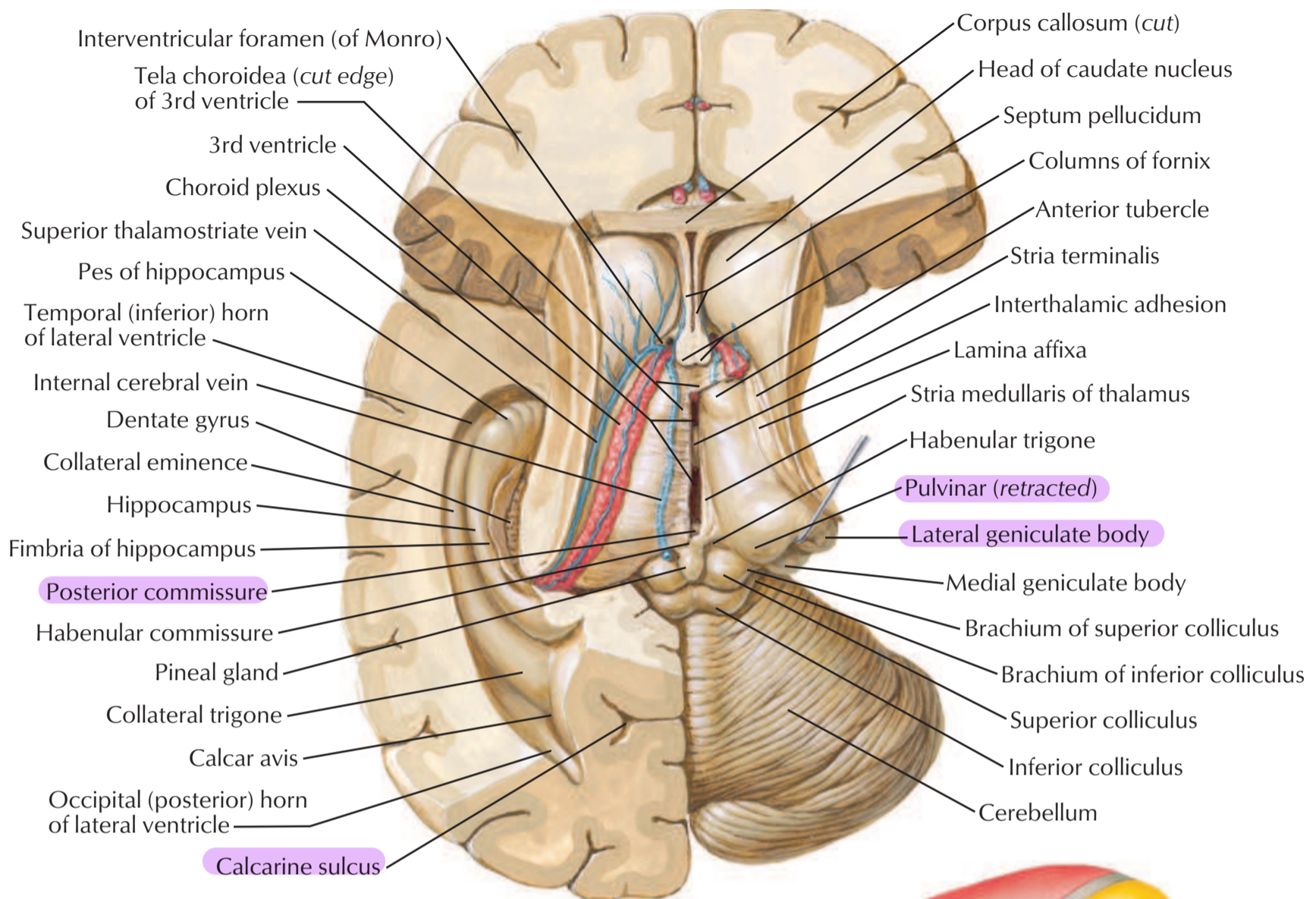




Cerebral arterial circle (of Willis)
 (broken line)



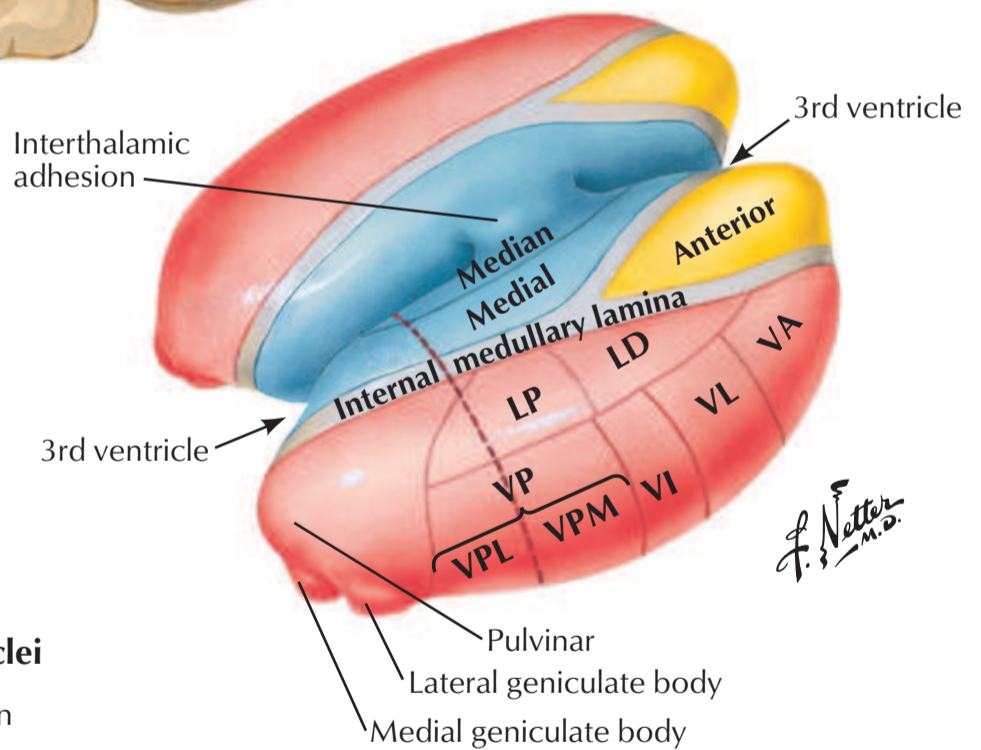
F. Netter M.D.



Schematic section through thalamus
(at level of broken line shown in figure at right)

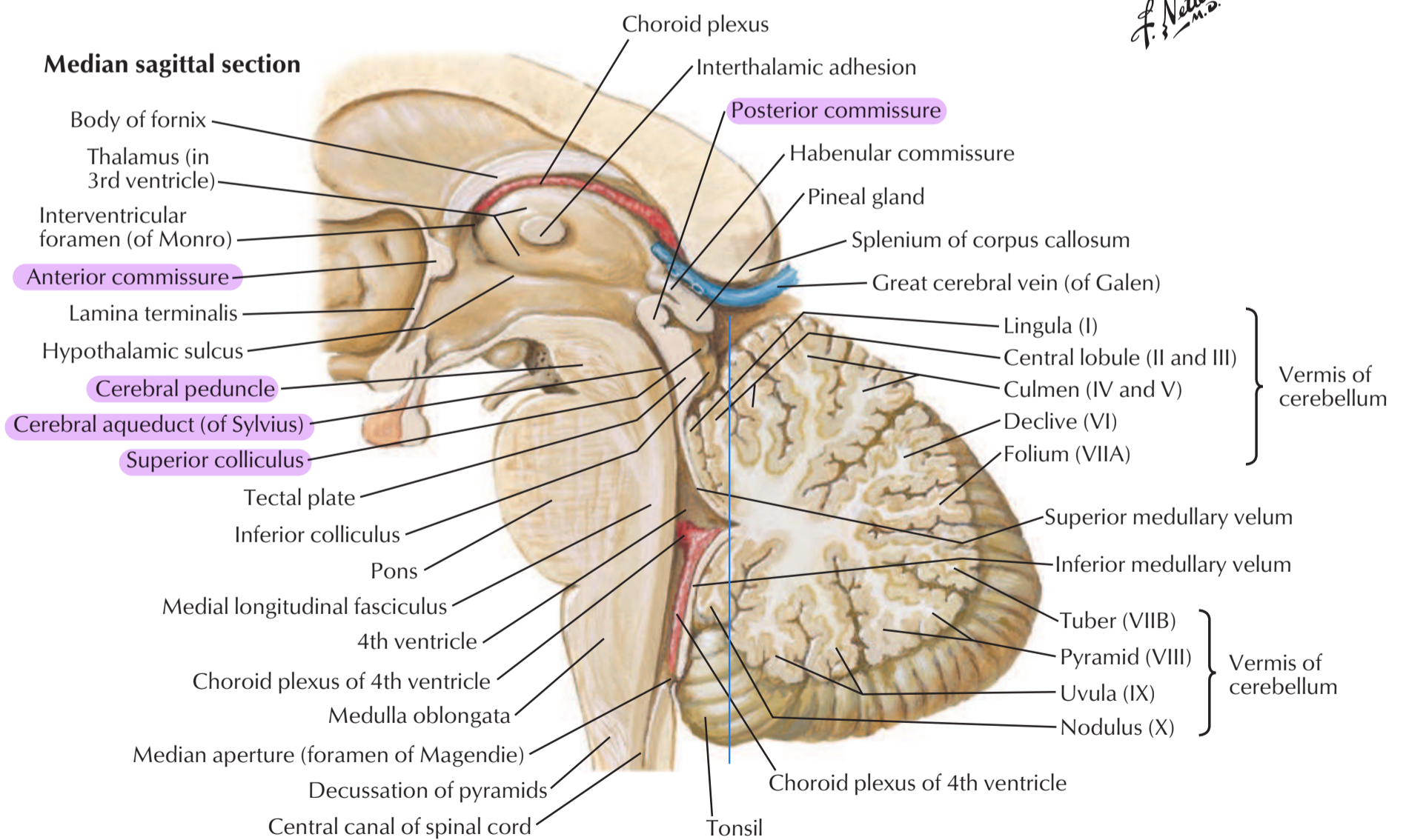
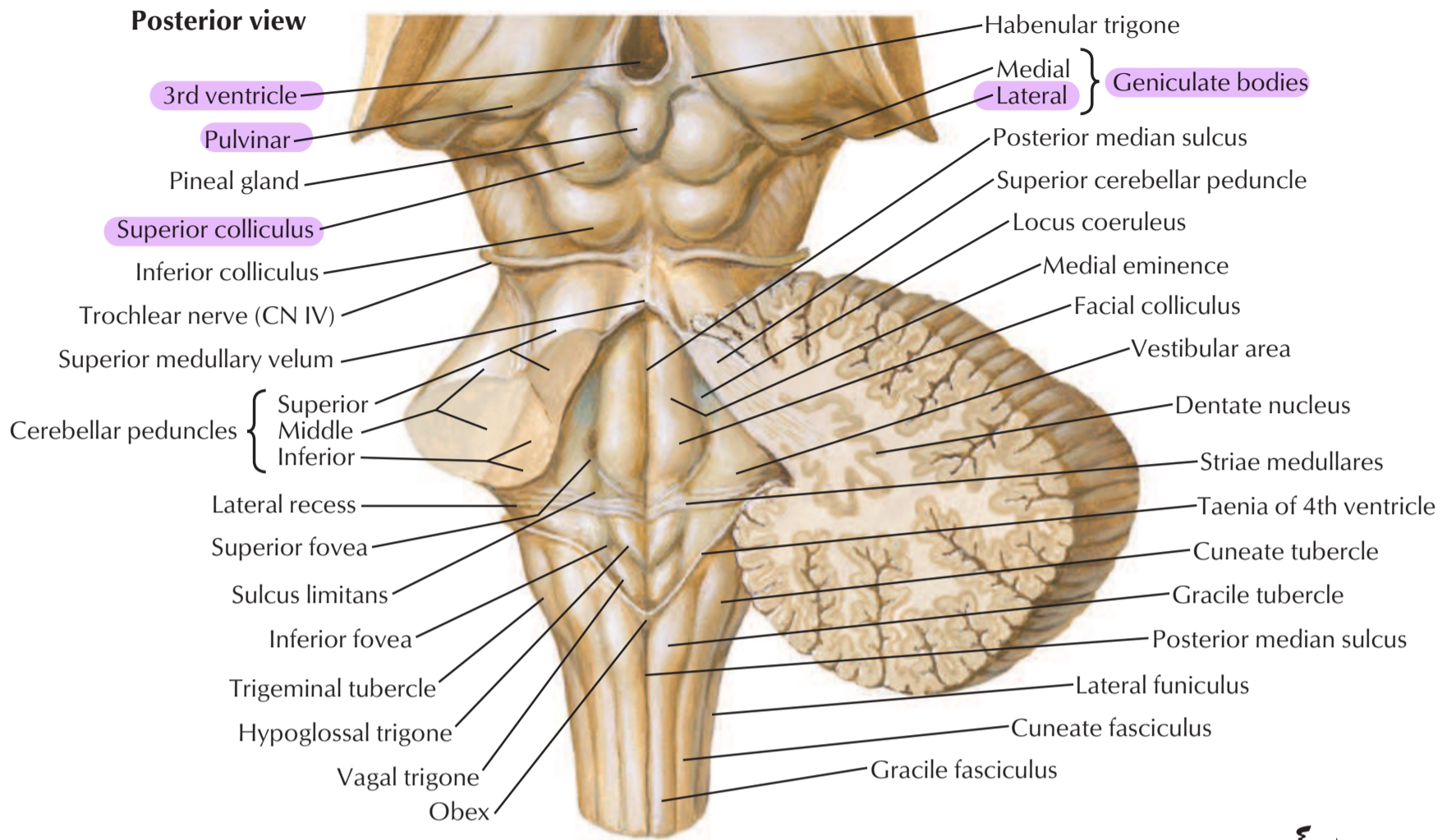
Thalamic nuclei

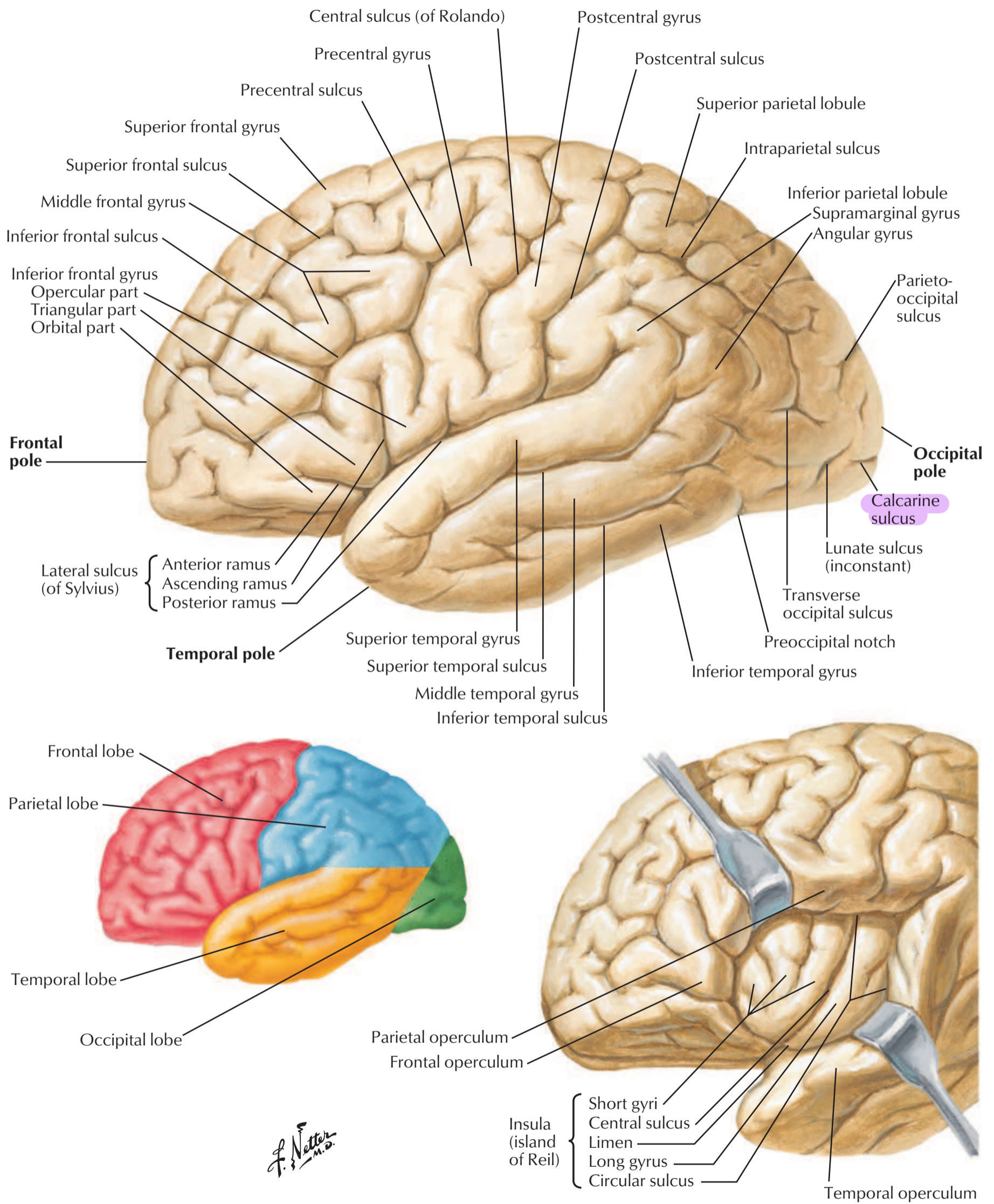
CM	Centromedian
LD	Lateral dorsal
LP	Lateral posterior
M	Medial group
MD	Medial dorsal
VA	Ventral anterior
VI	Ventral intermedial
VL	Ventral lateral
VP	Ventral posterior (ventrodorsal)
VPL	Ventral posterolateral
VPM	Ventral posteromedial



Schematic representation of thalamus
(external medullary lamina and reticular nuclei removed)

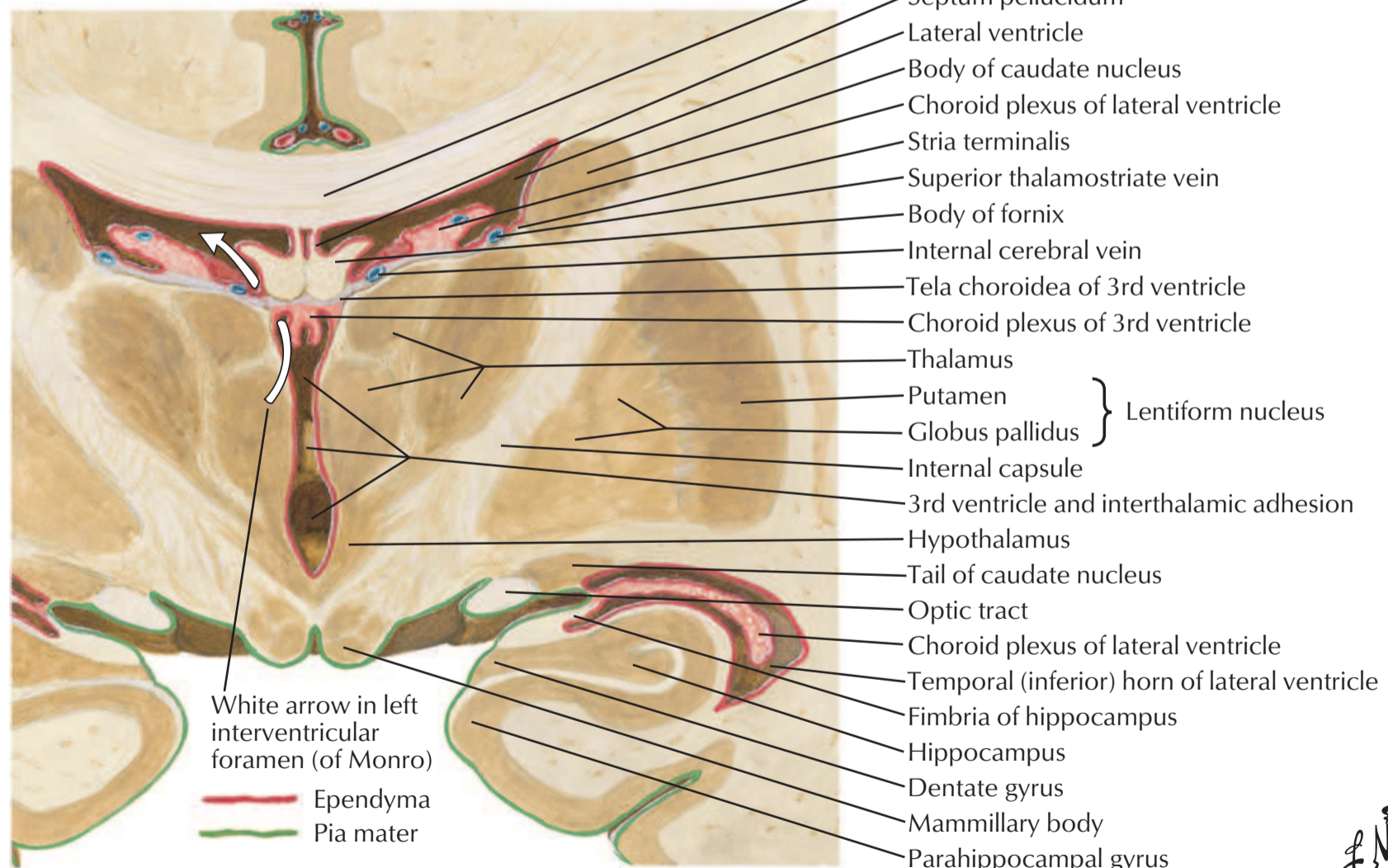
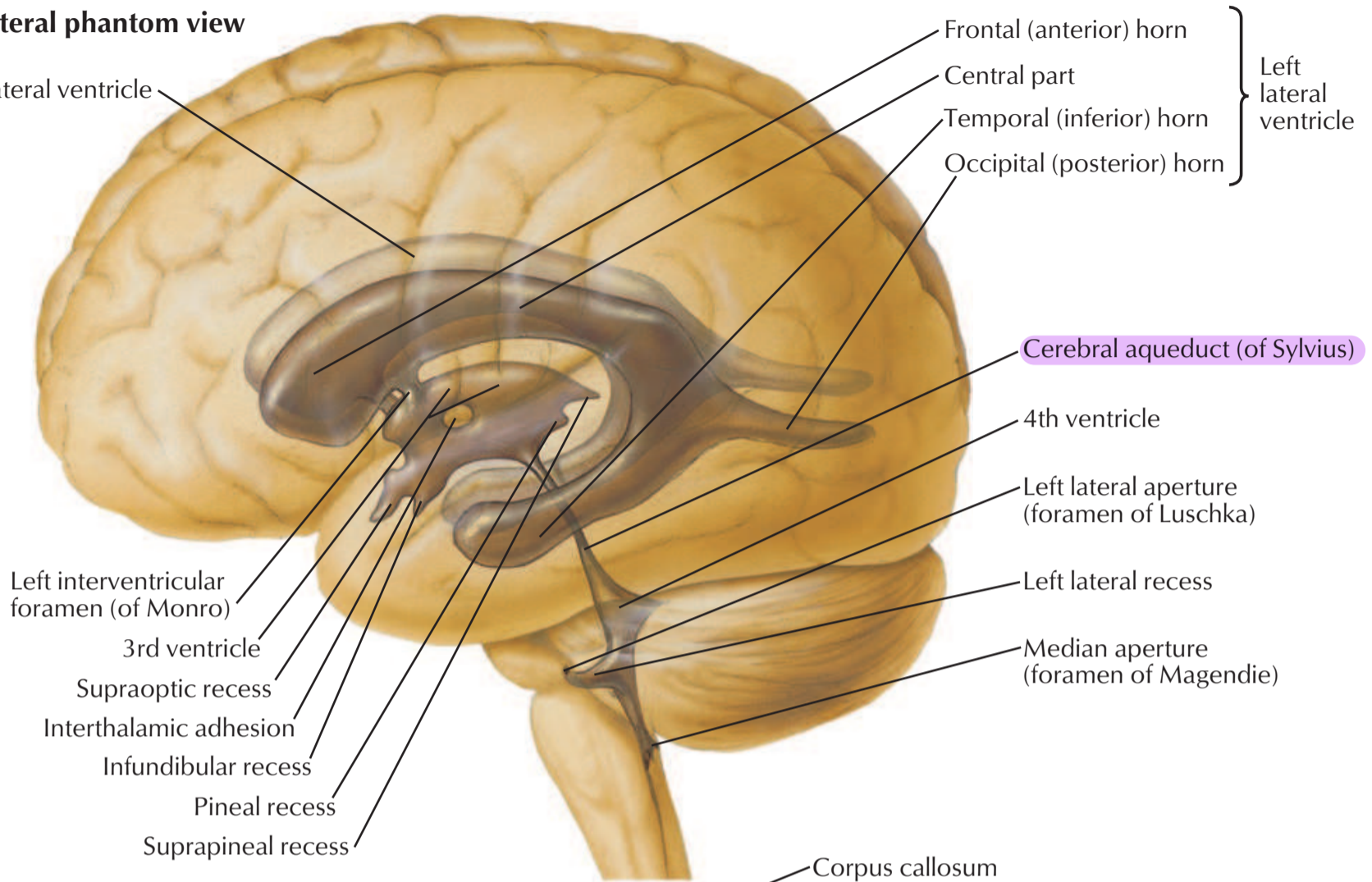
- Lateral cell mass
- Medial and median cell mass
- Anterior cell mass





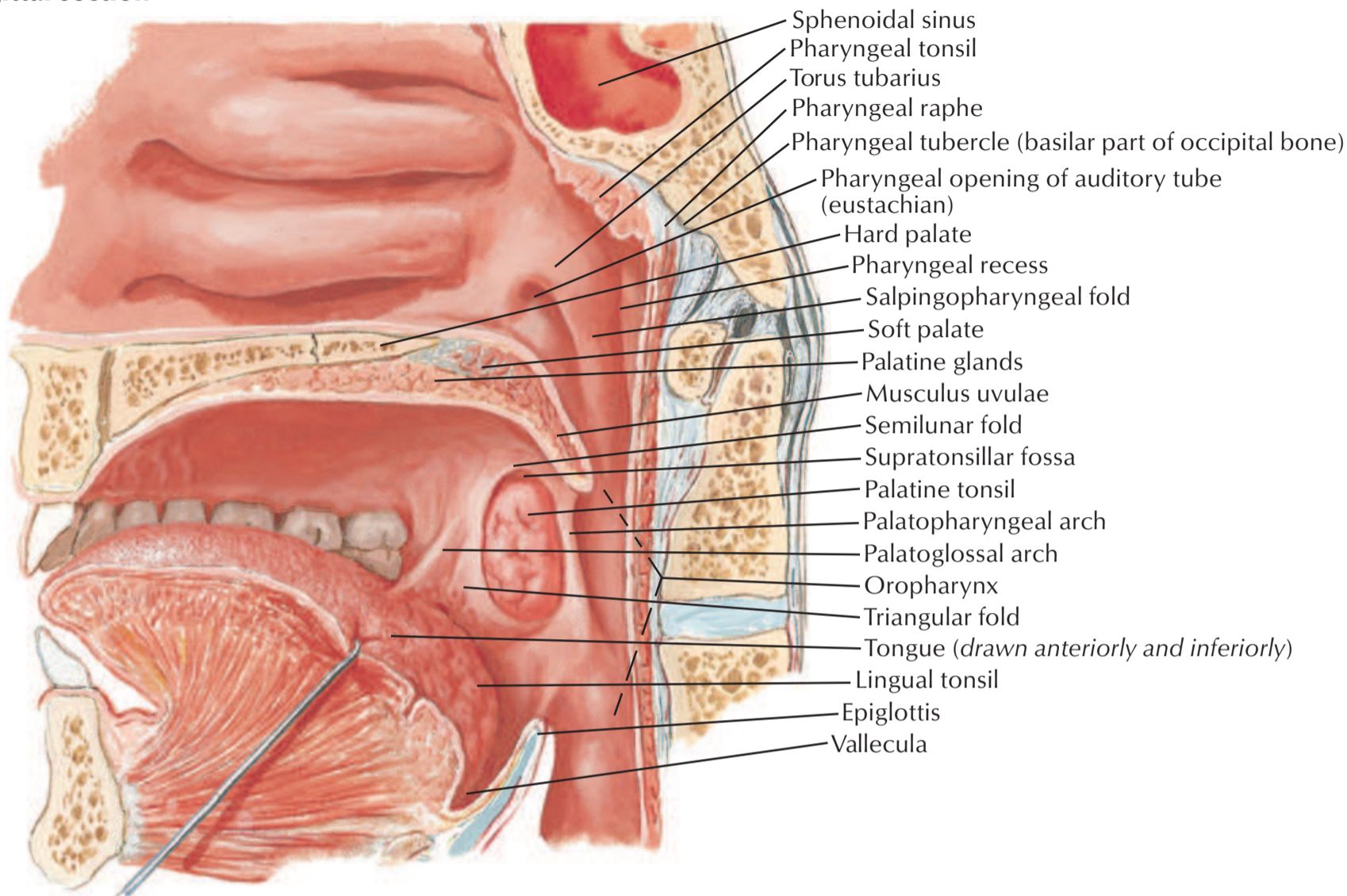
Left lateral phantom view

Right lateral ventricle

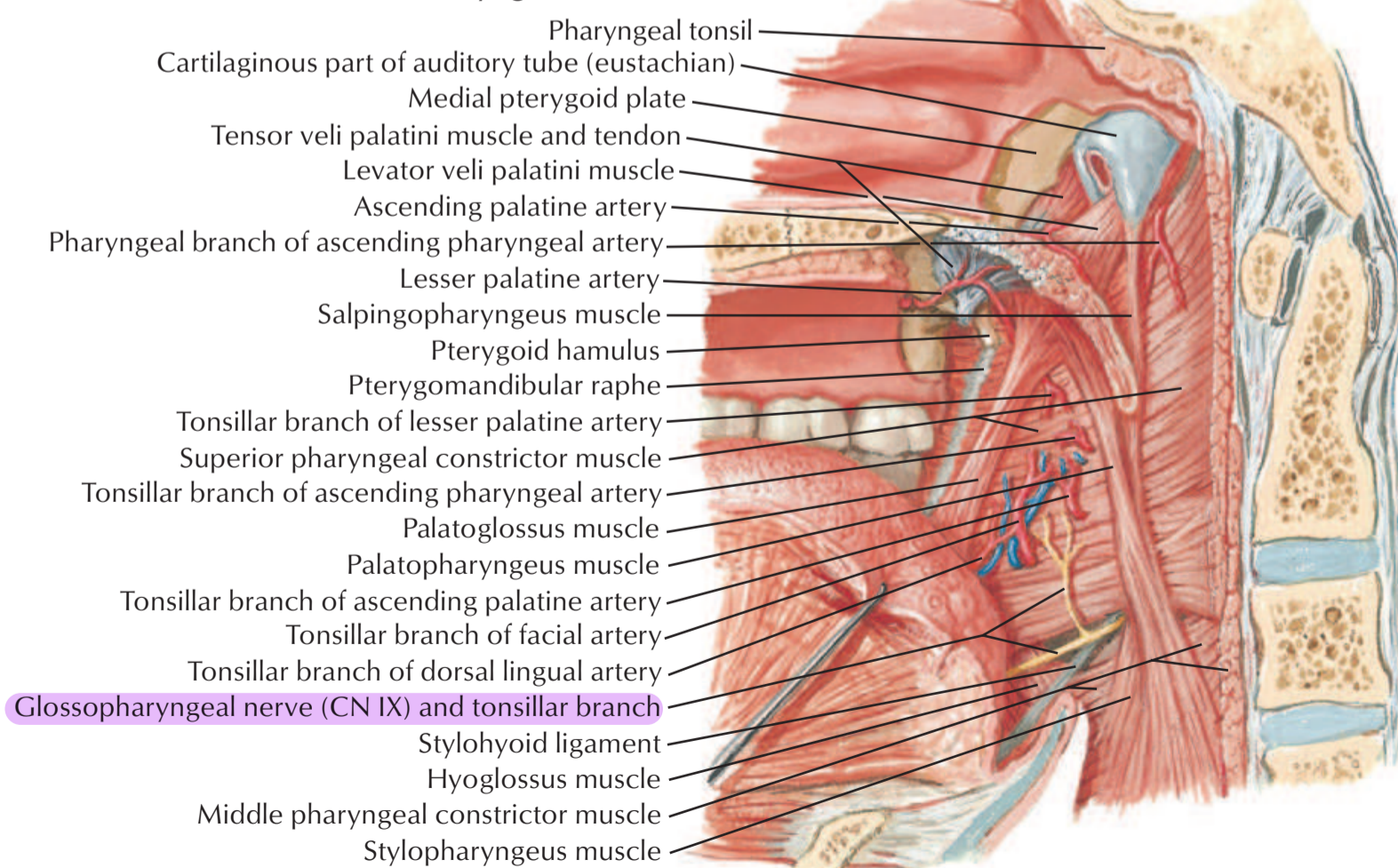


Coronal section of brain: posterior view

Medial view
sagittal section



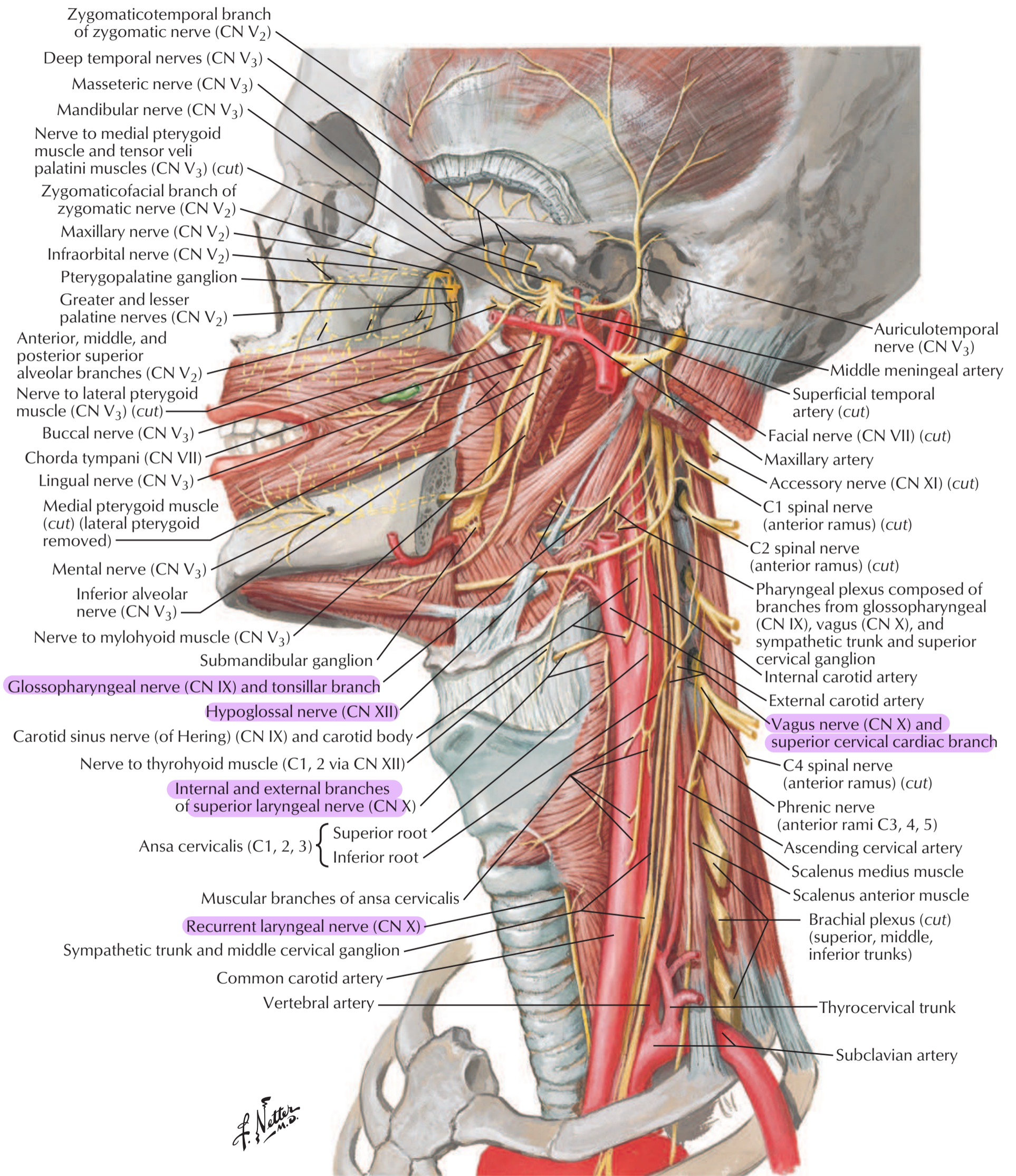
Pharyngeal mucosa removed



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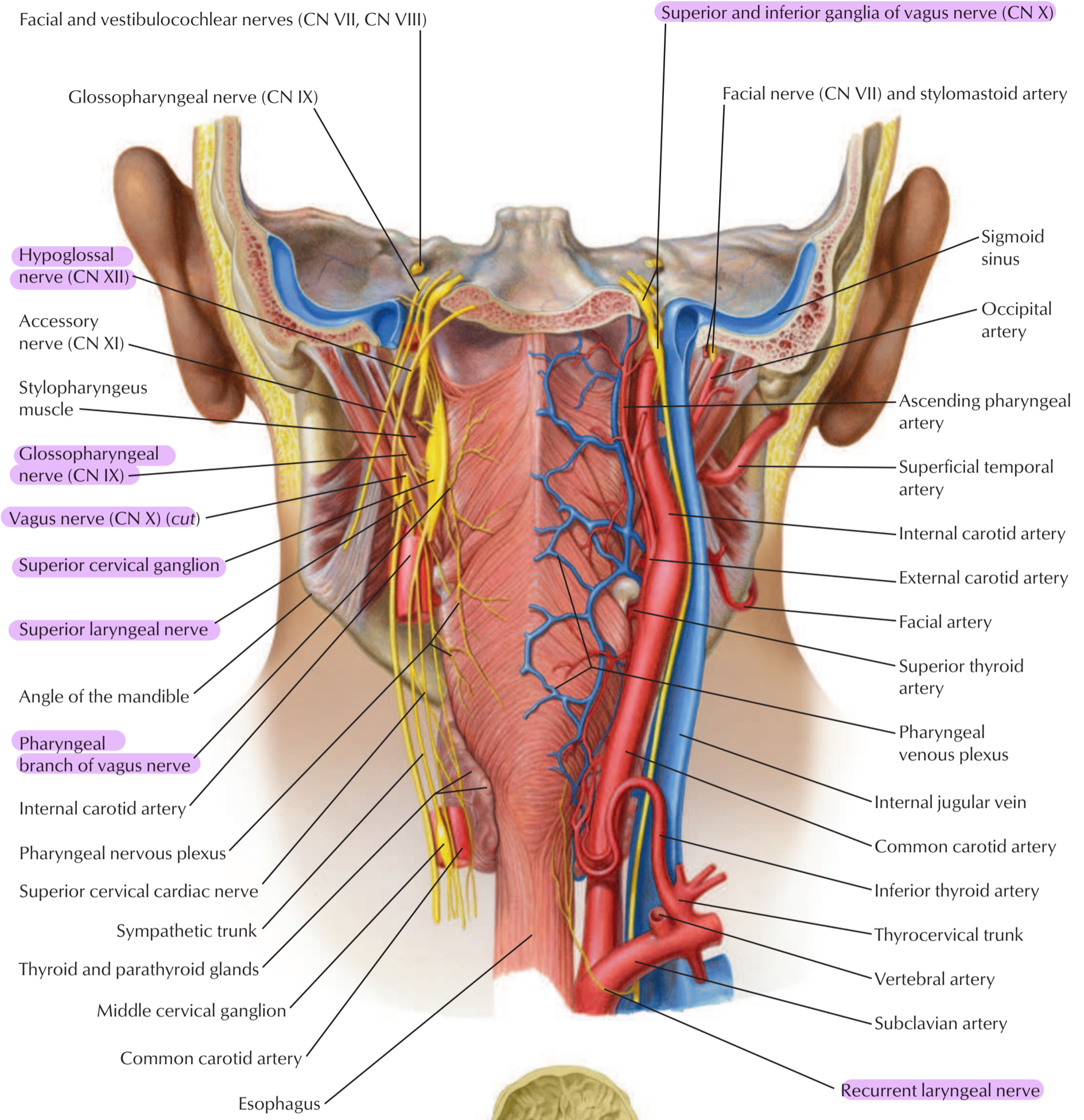
ما أعنف نيجي ، للاحتياط

See also Plates 59, 133, 136



ما أعنفد نيجي ، للاحتياط

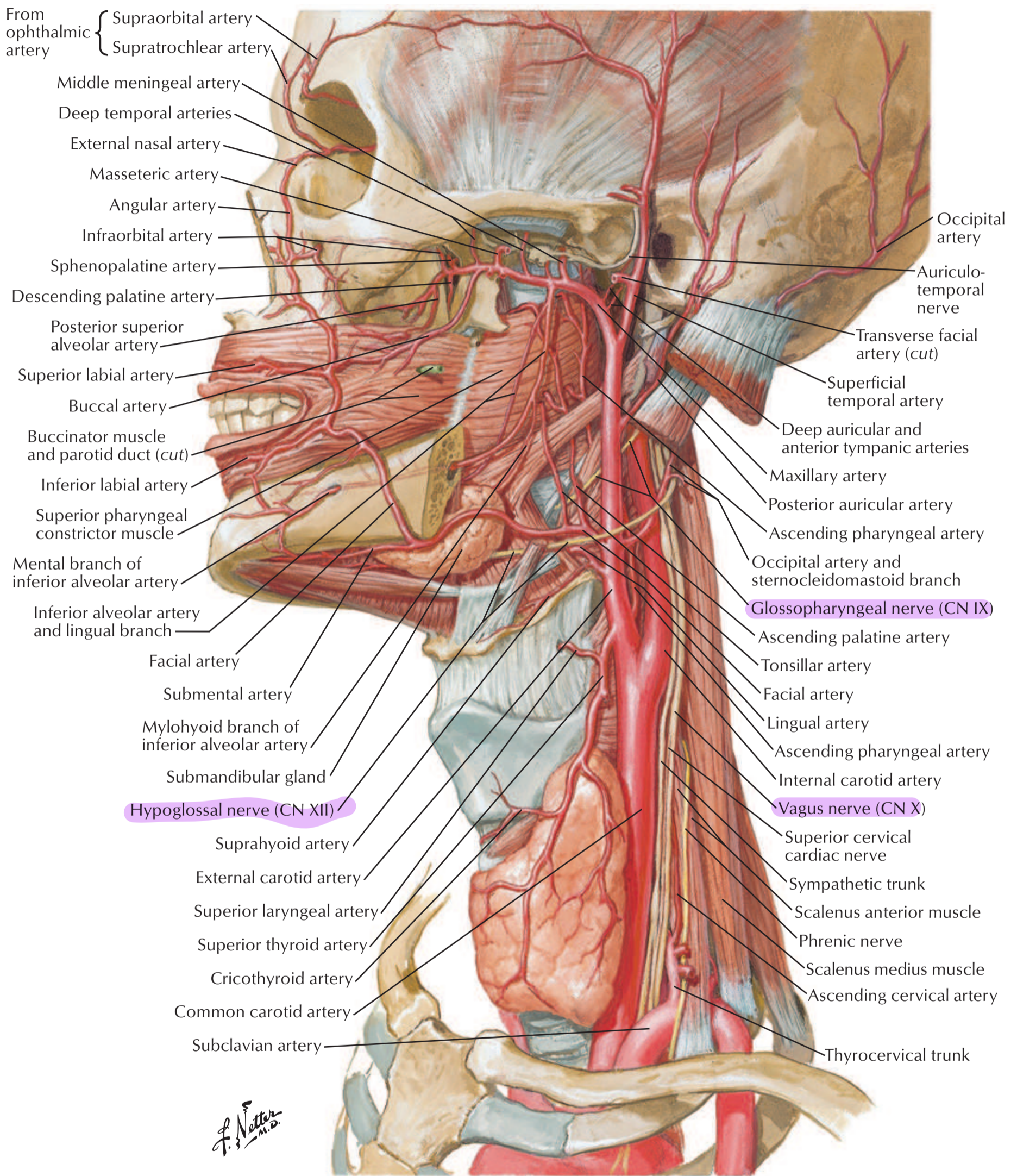
See also Plates 75, 79, 82, 83



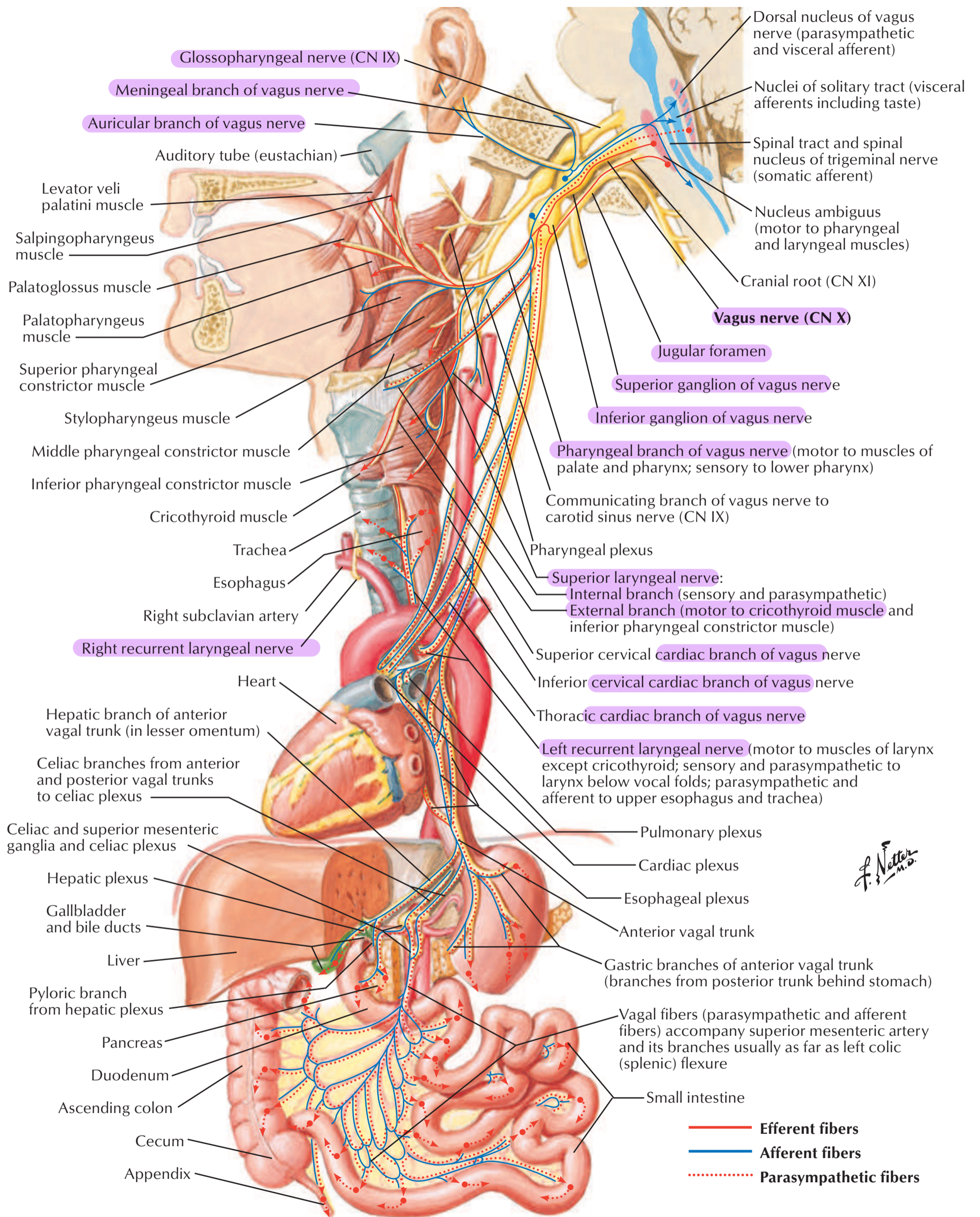
Superior view of the skull base showing line of cut and the removed part

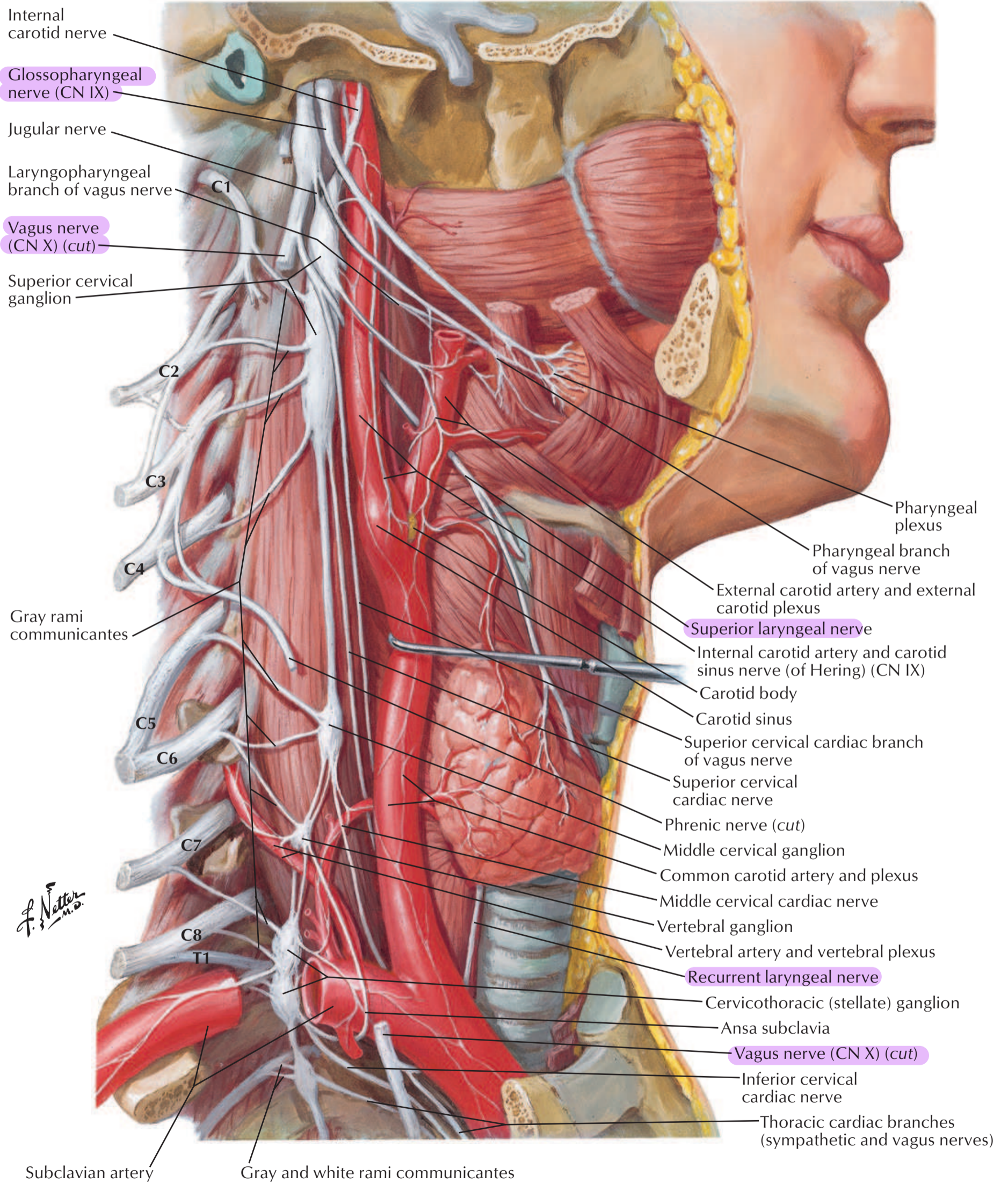
C. Machado M.D.

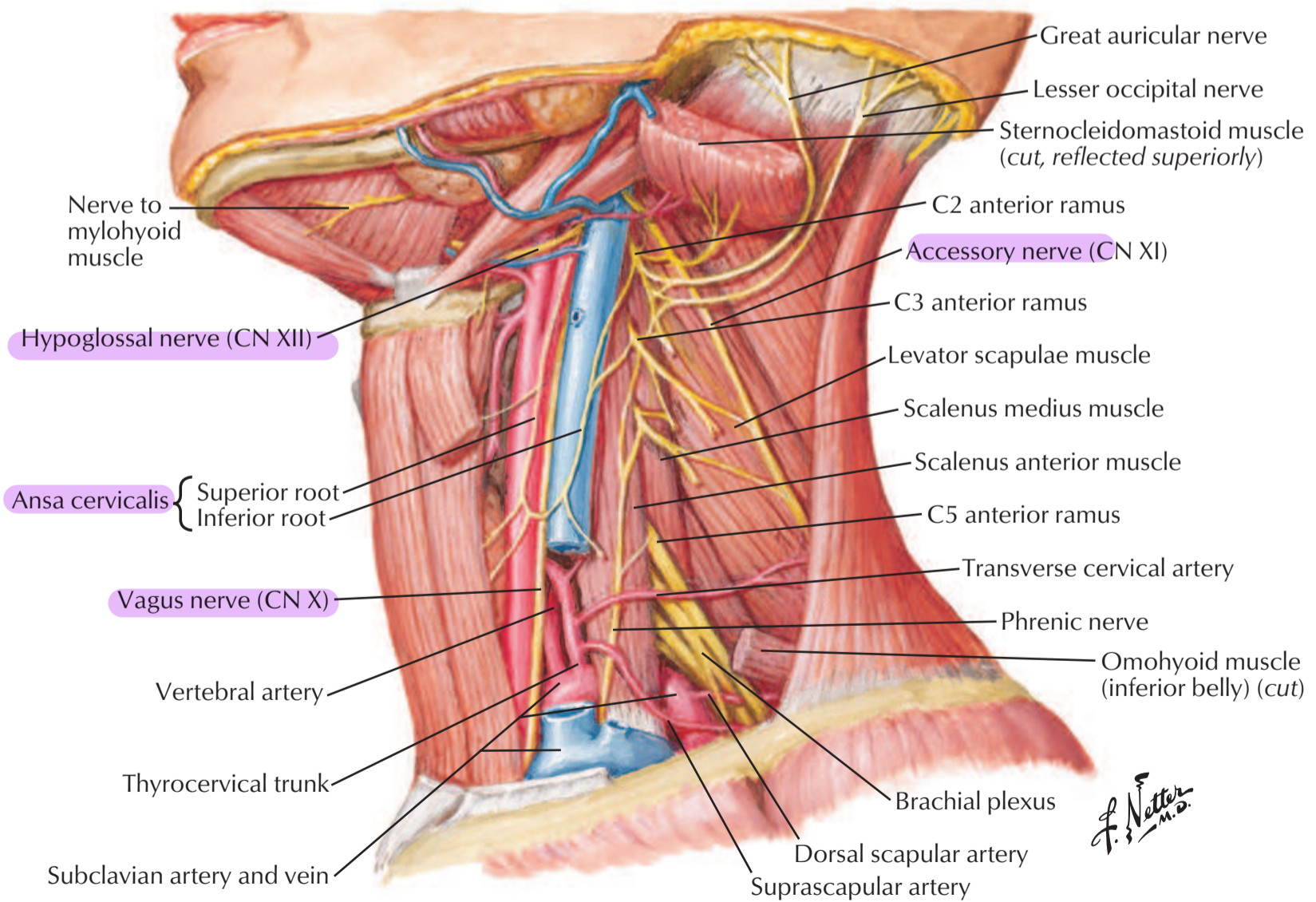
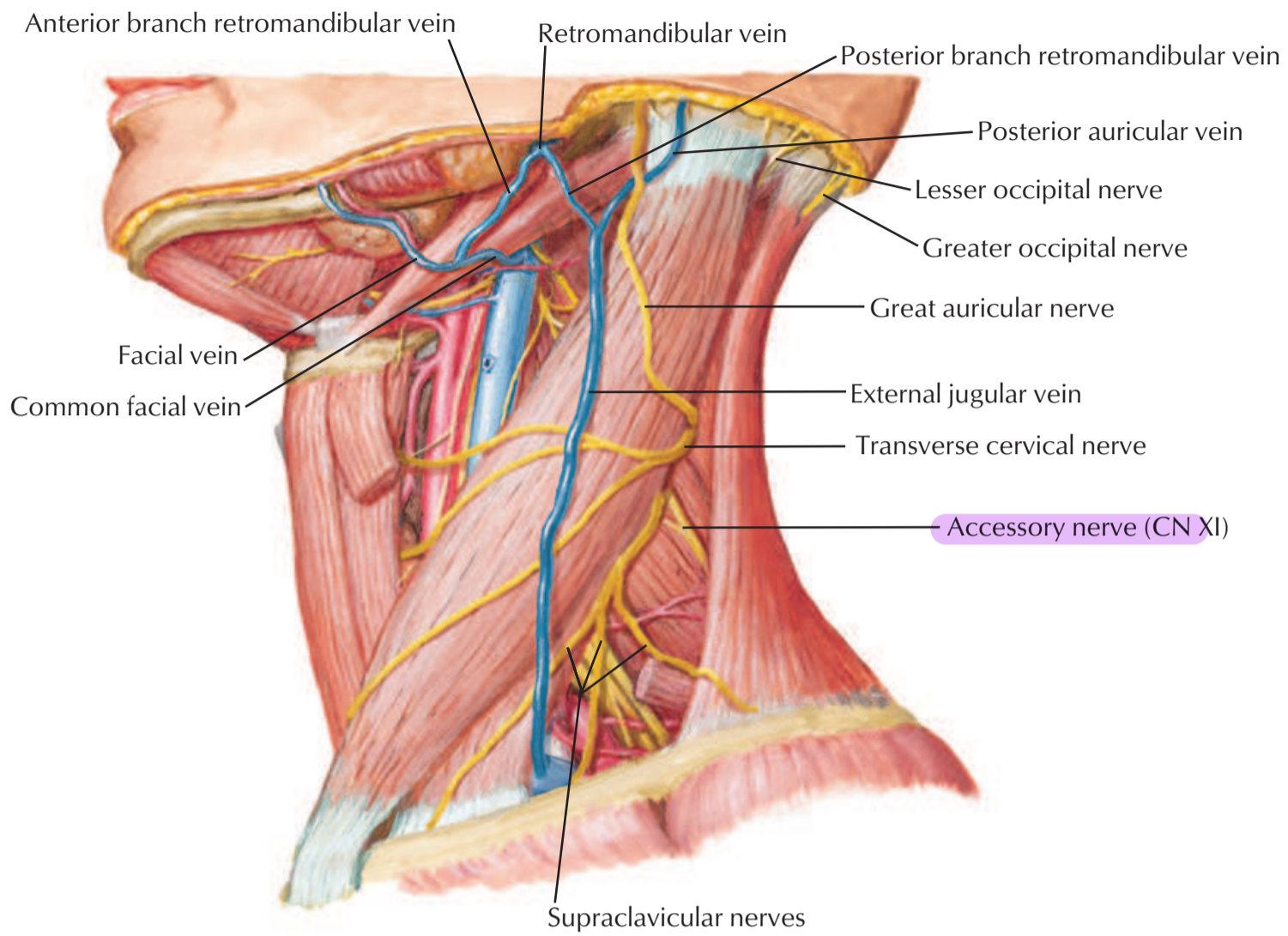
ما أعنفد نيجي ، للاحتياط



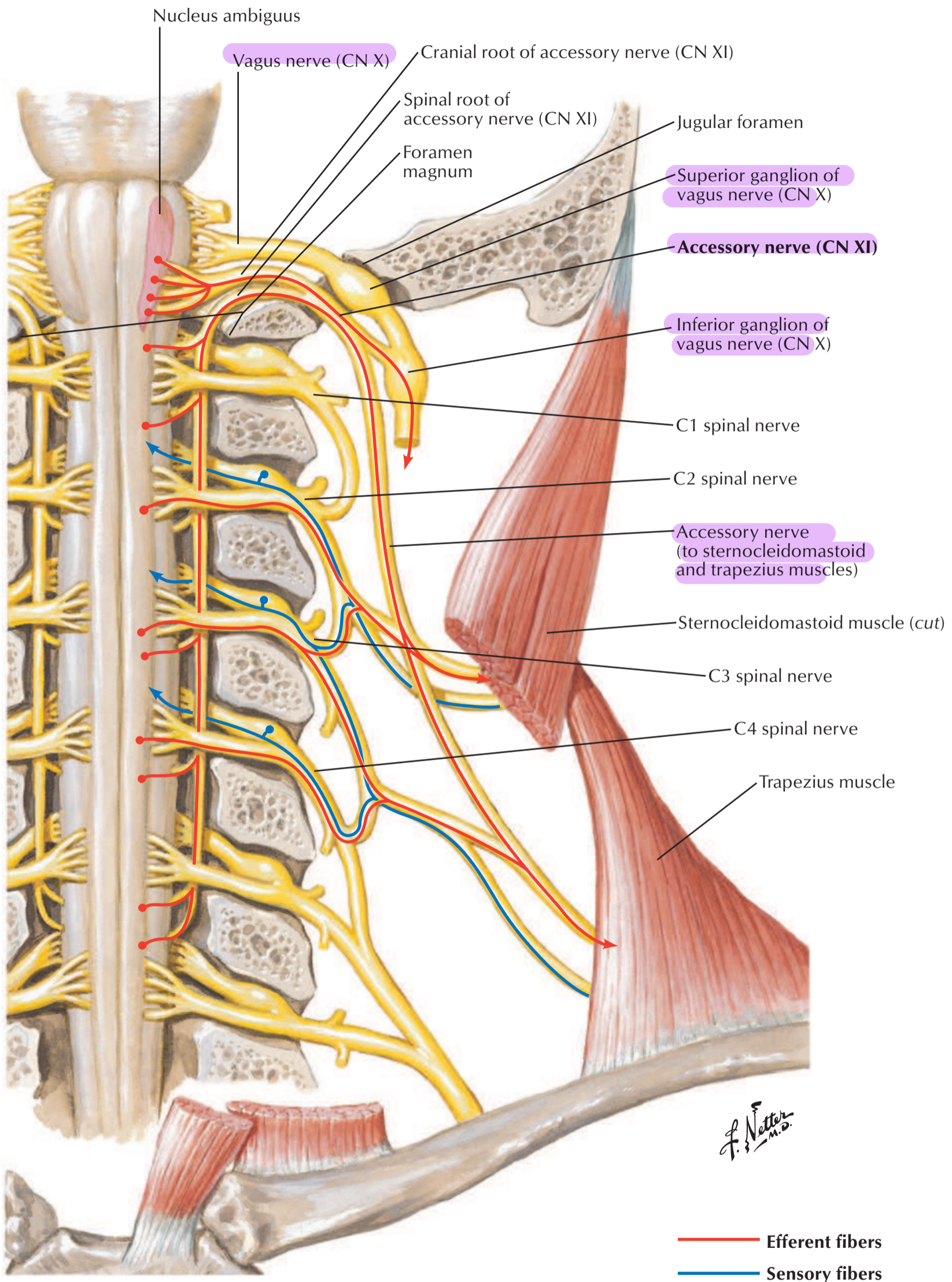
Vagus Nerve (CN X): Schema

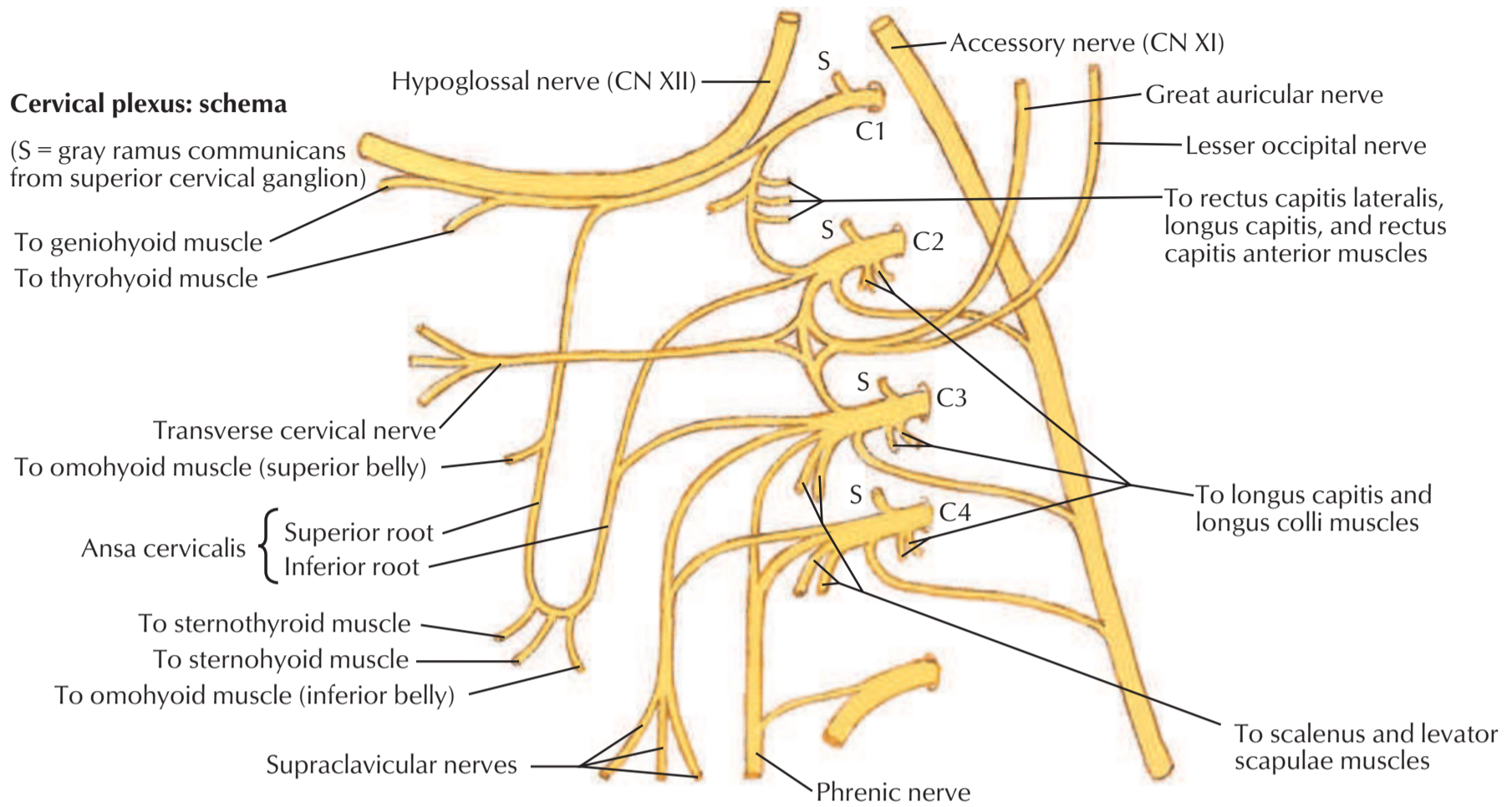




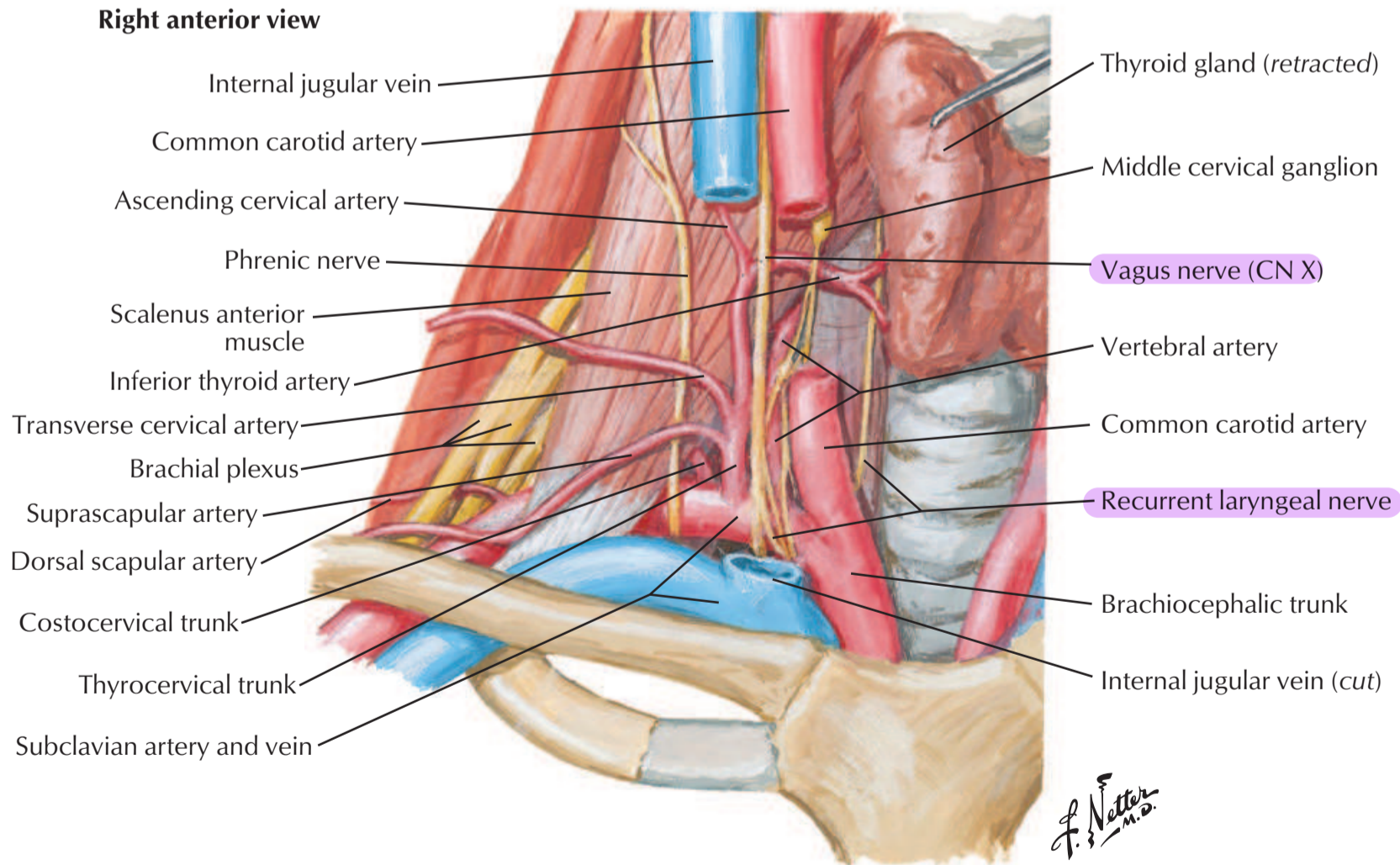


ما أعنف نجي ، للاحتياط

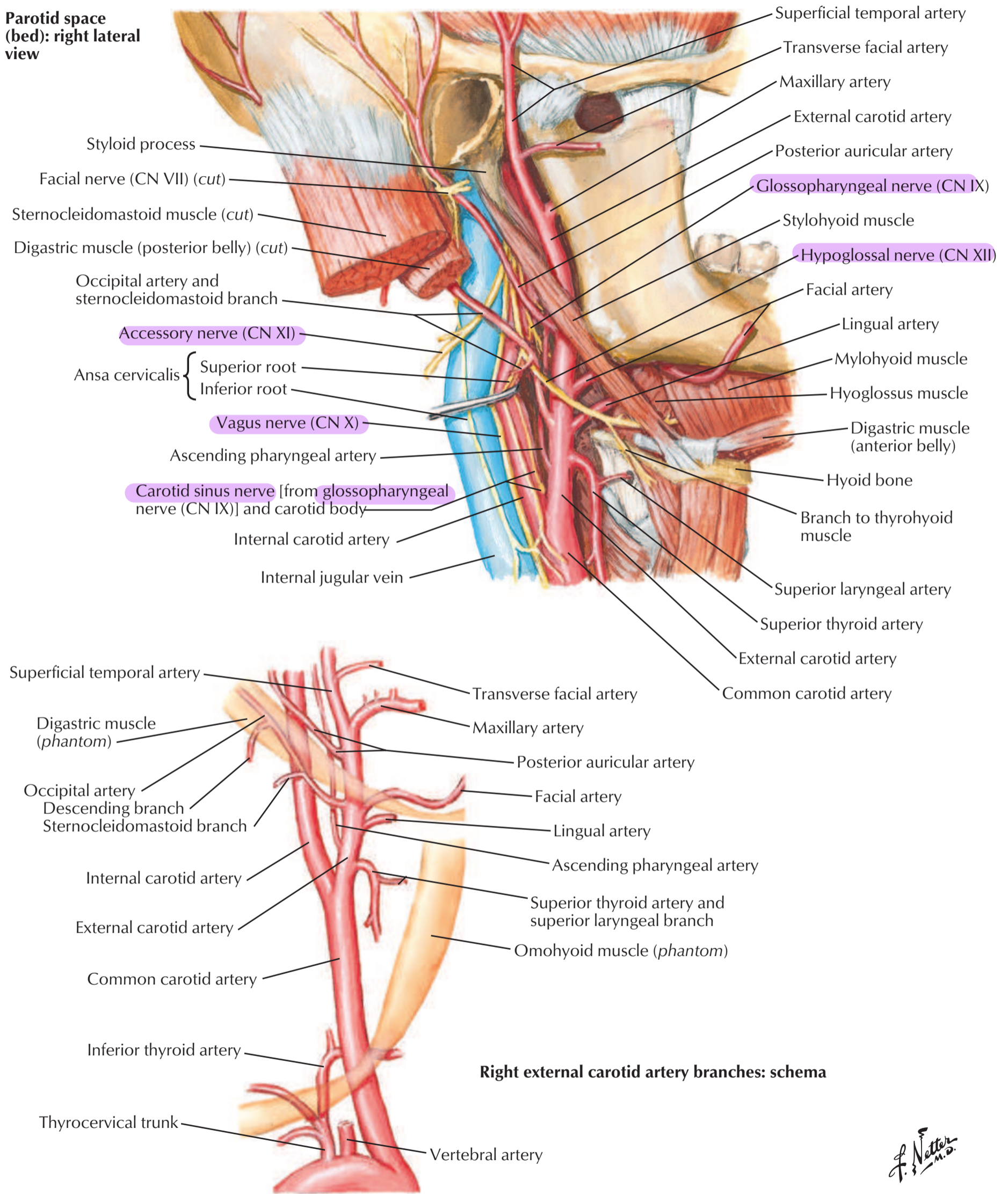




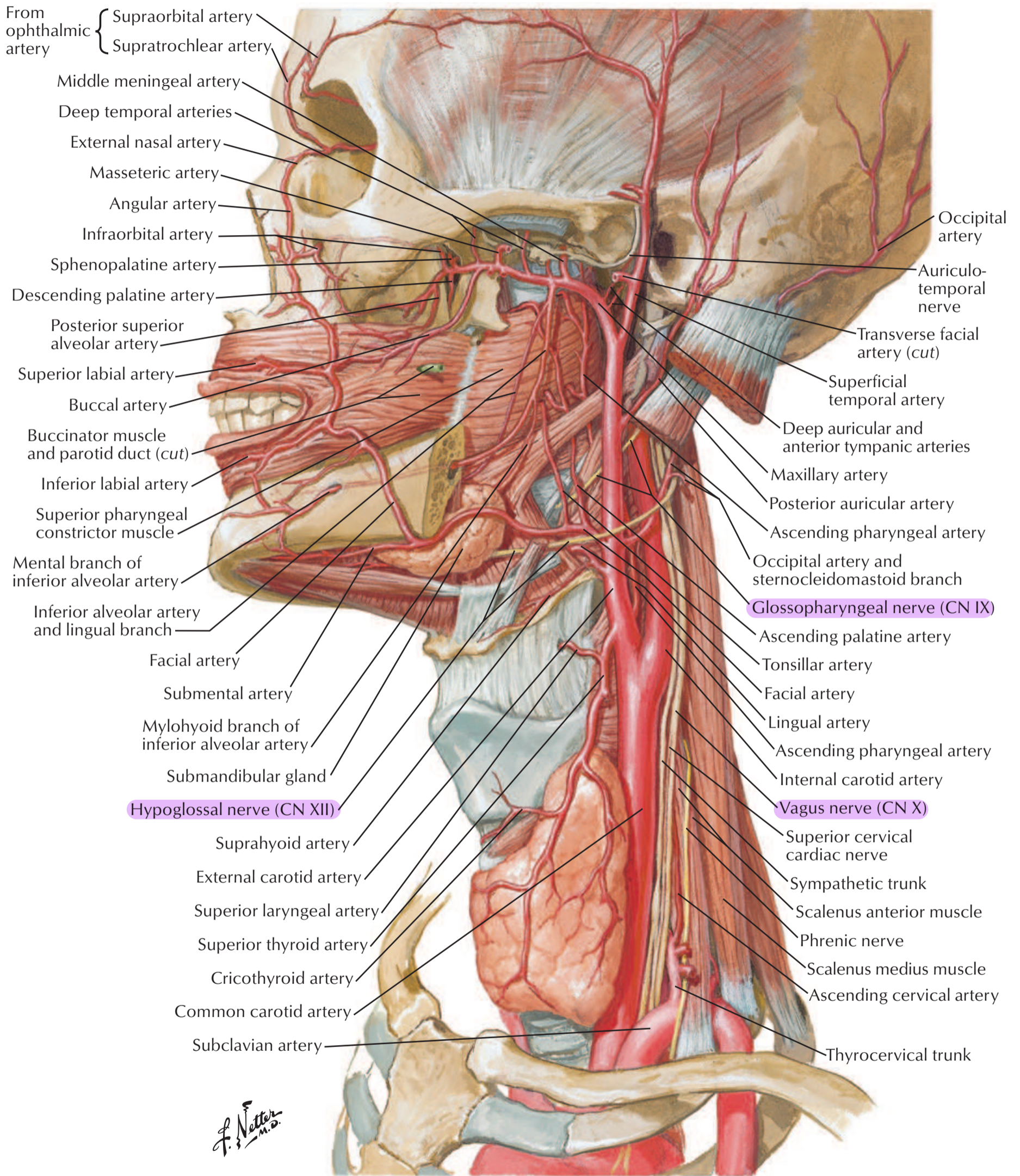
Right anterior view

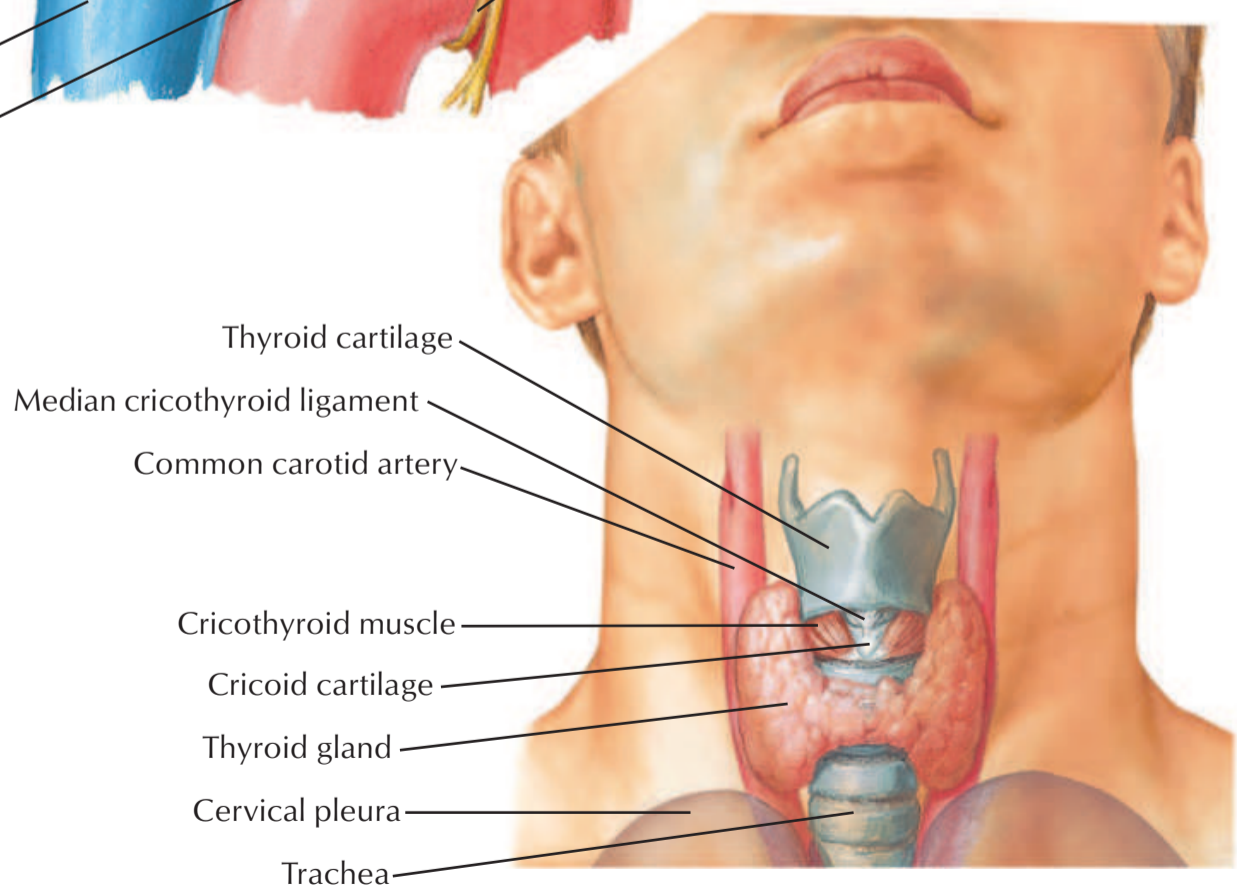
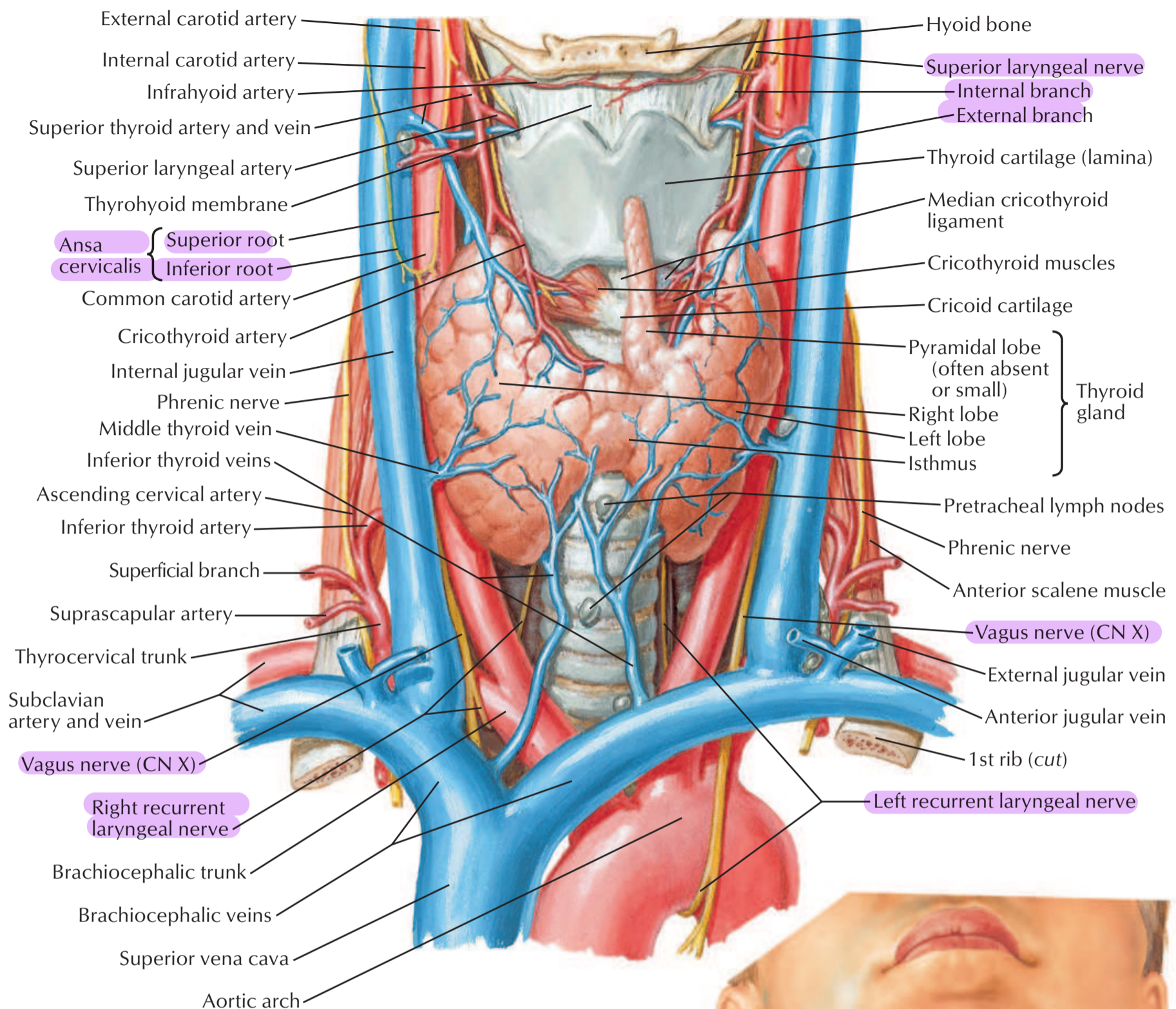


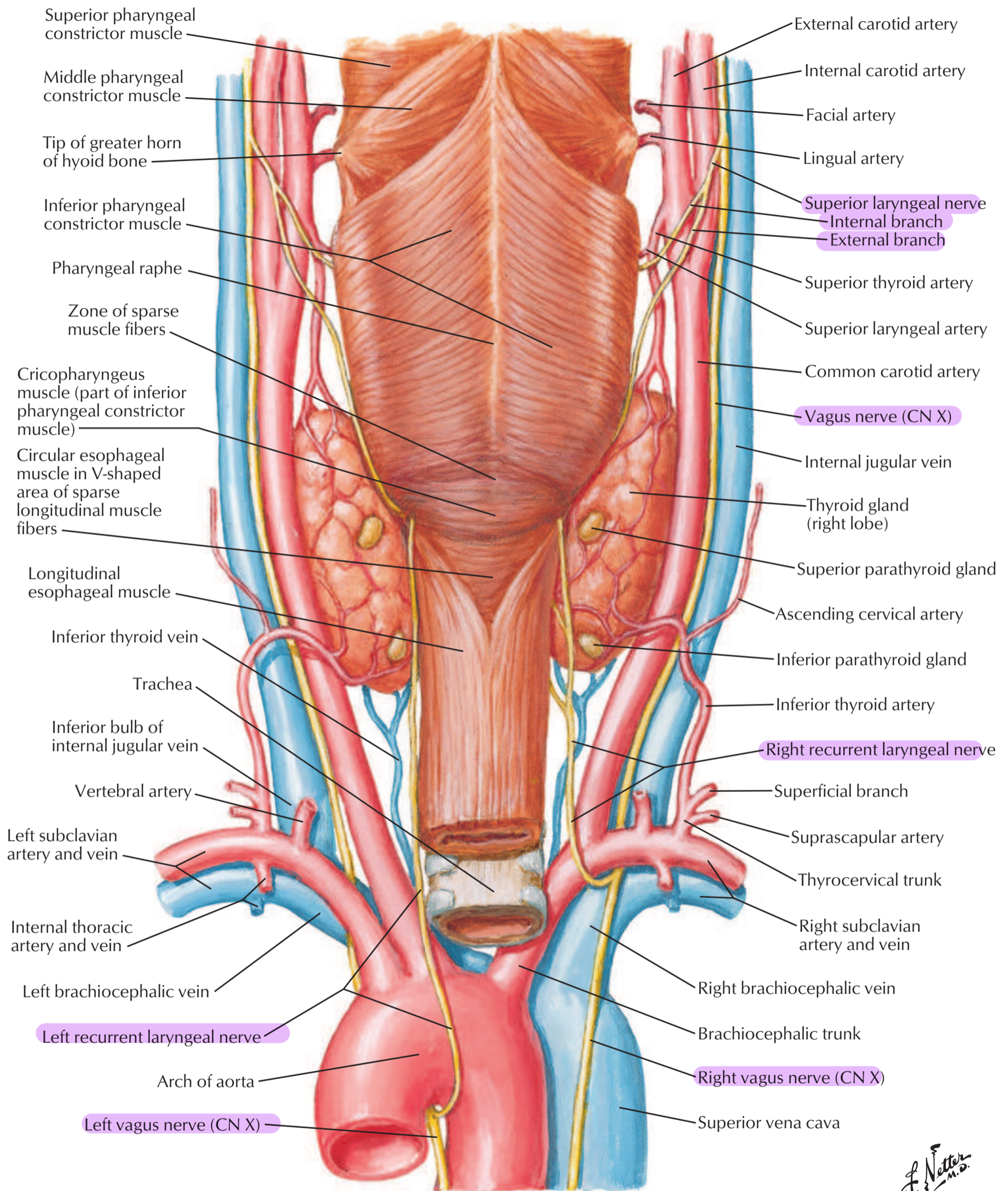
Parotid space (bed): right lateral view



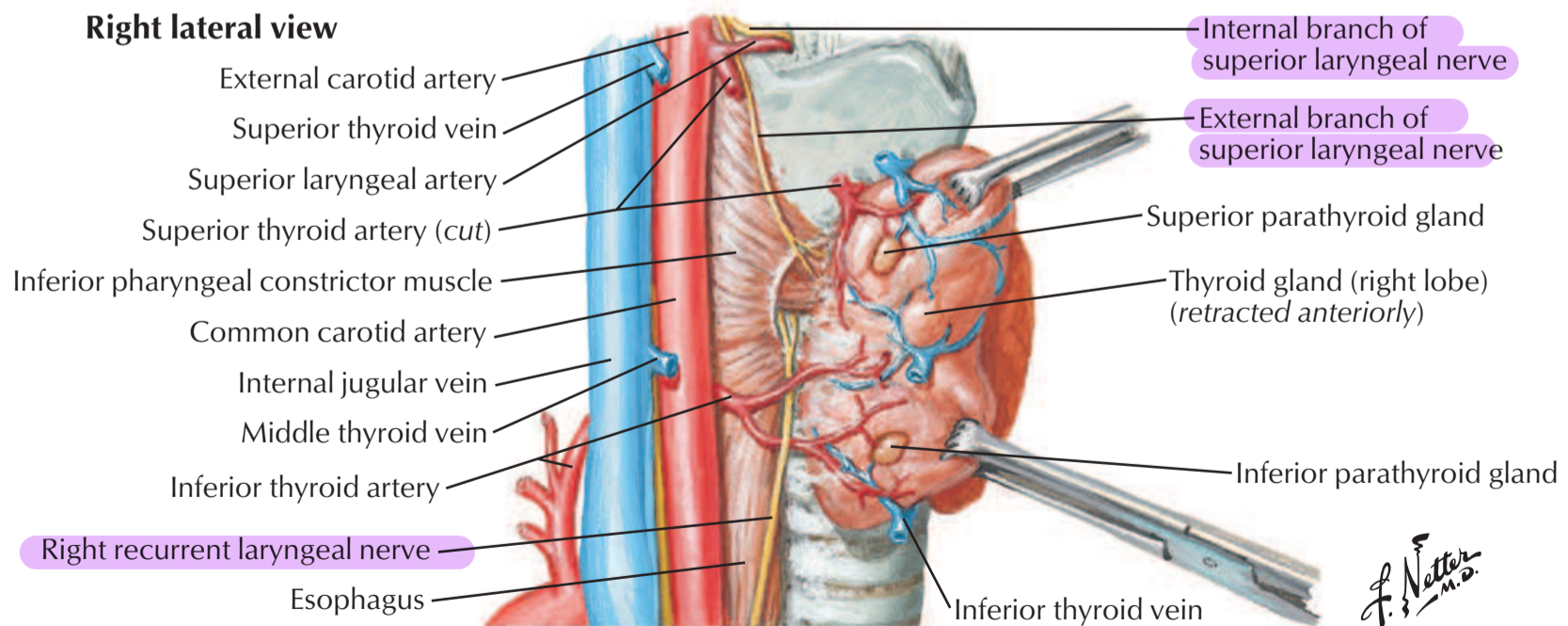
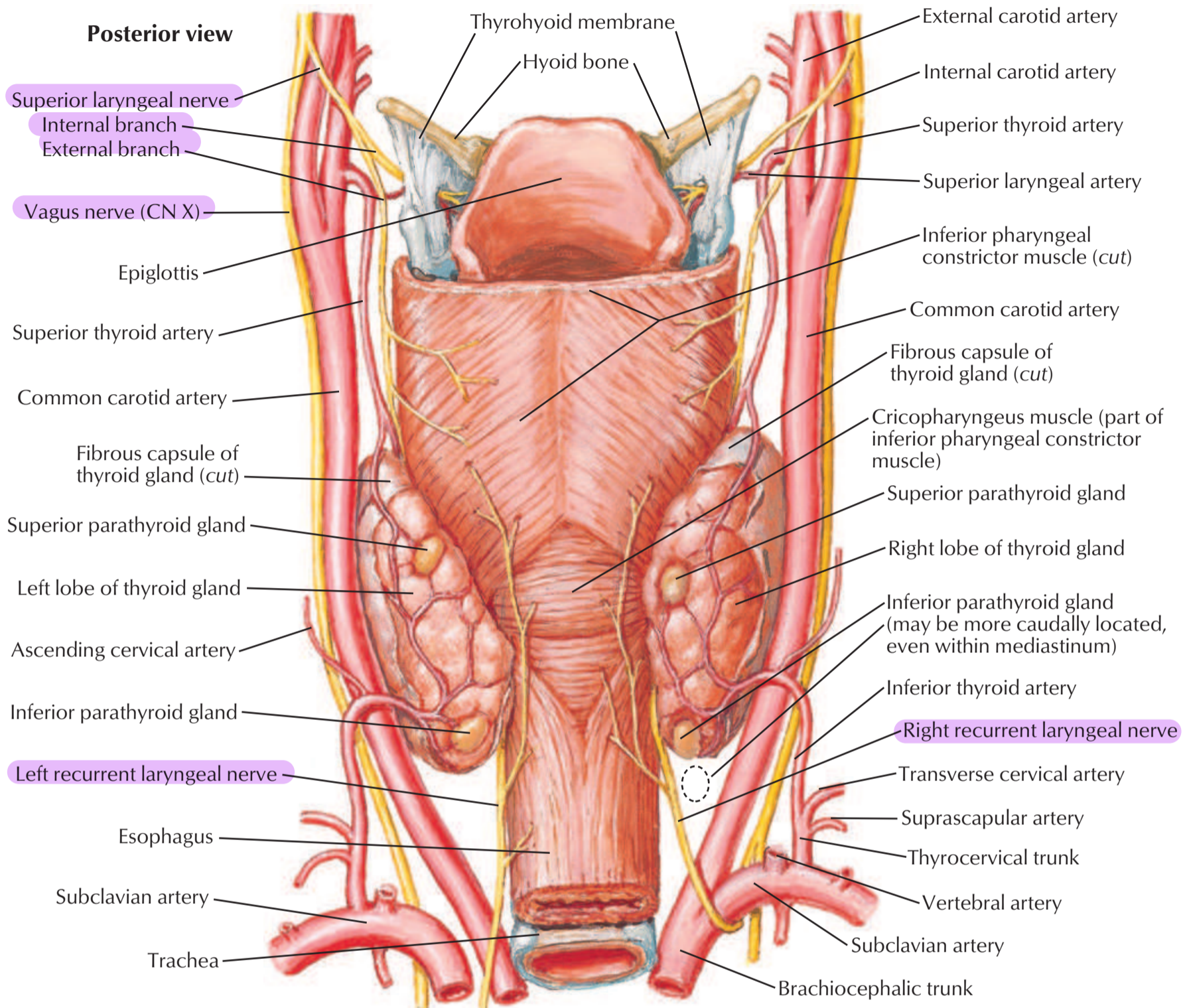
ما أعتمد نيجي ، للاحتياط

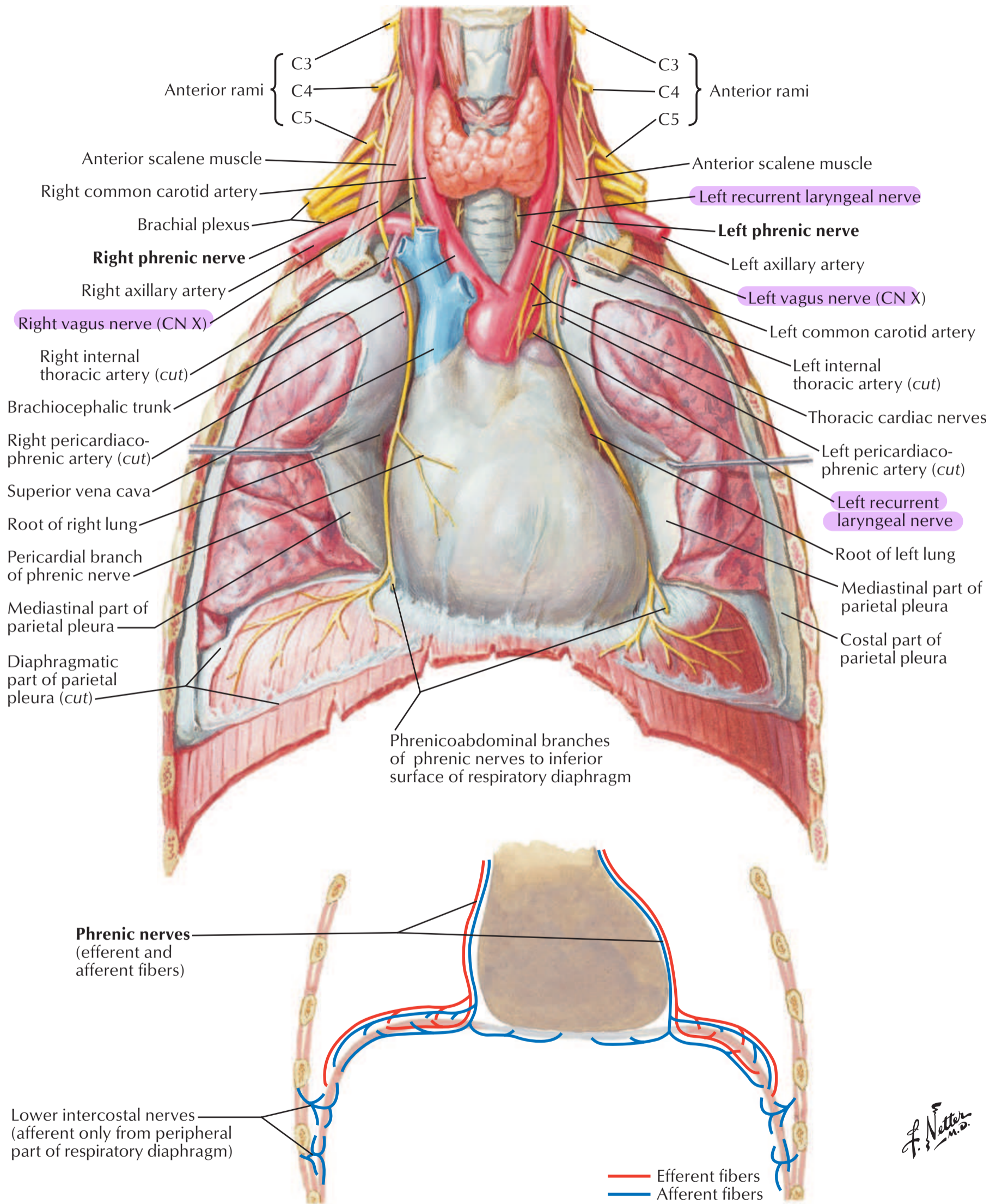


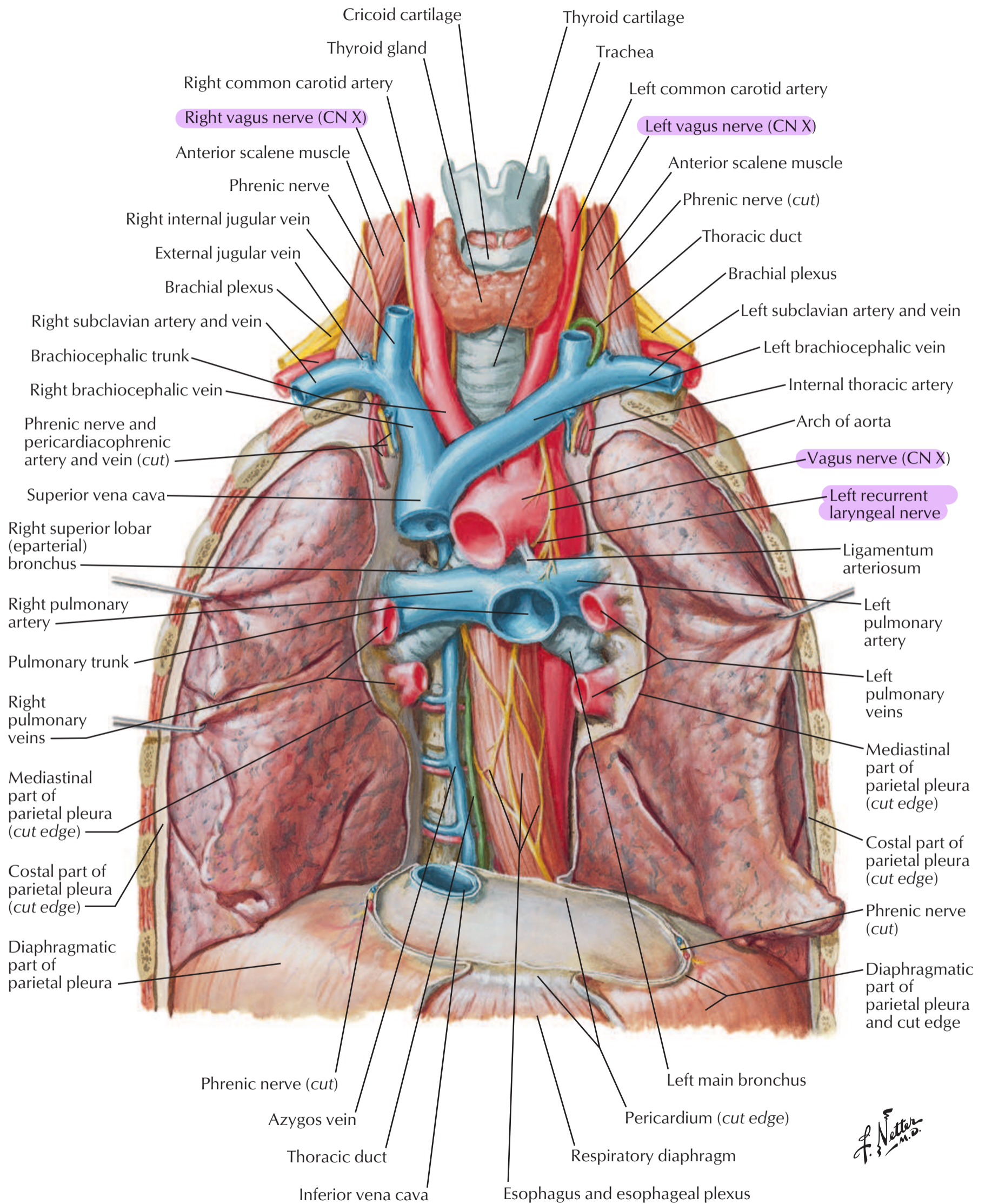




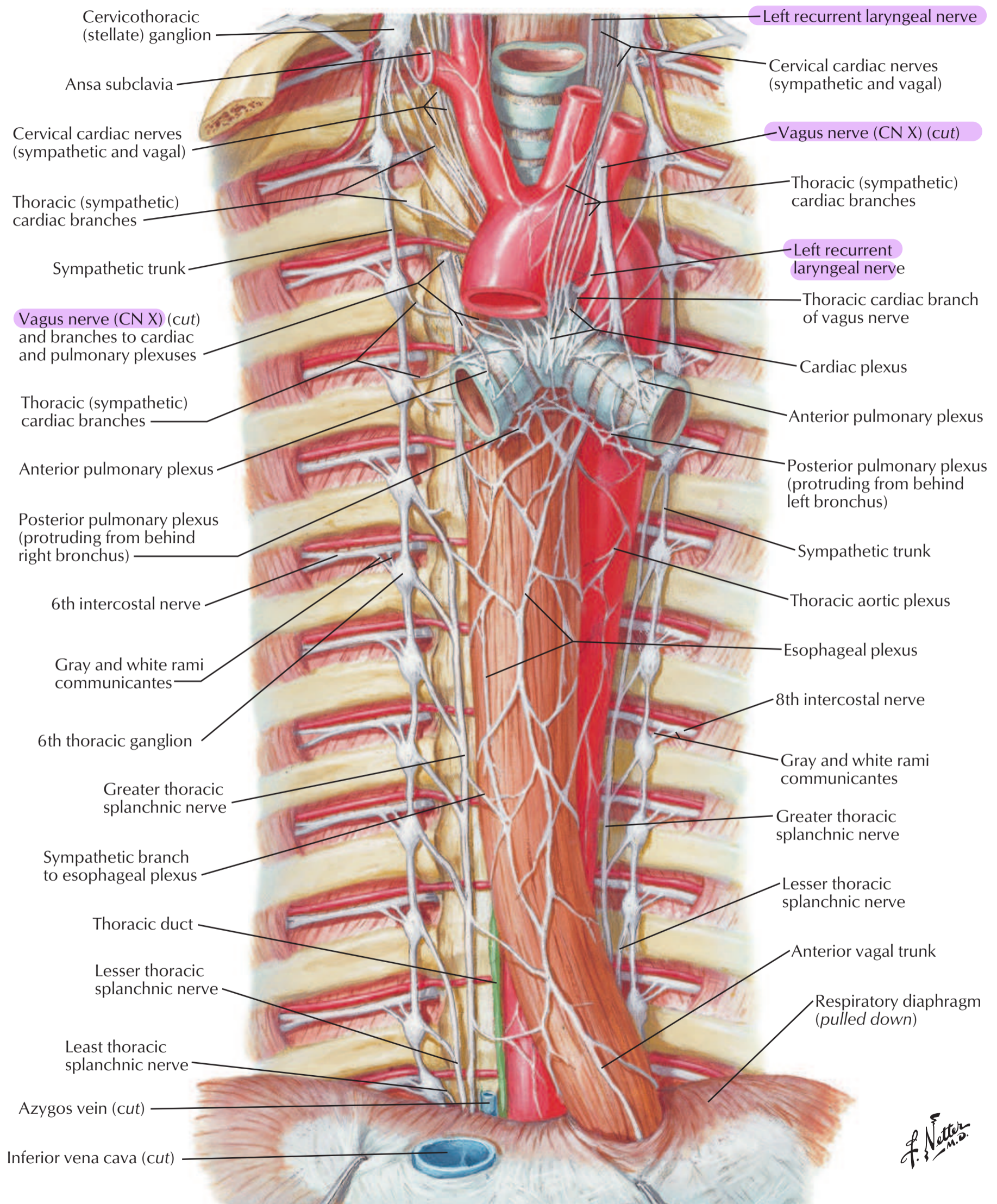
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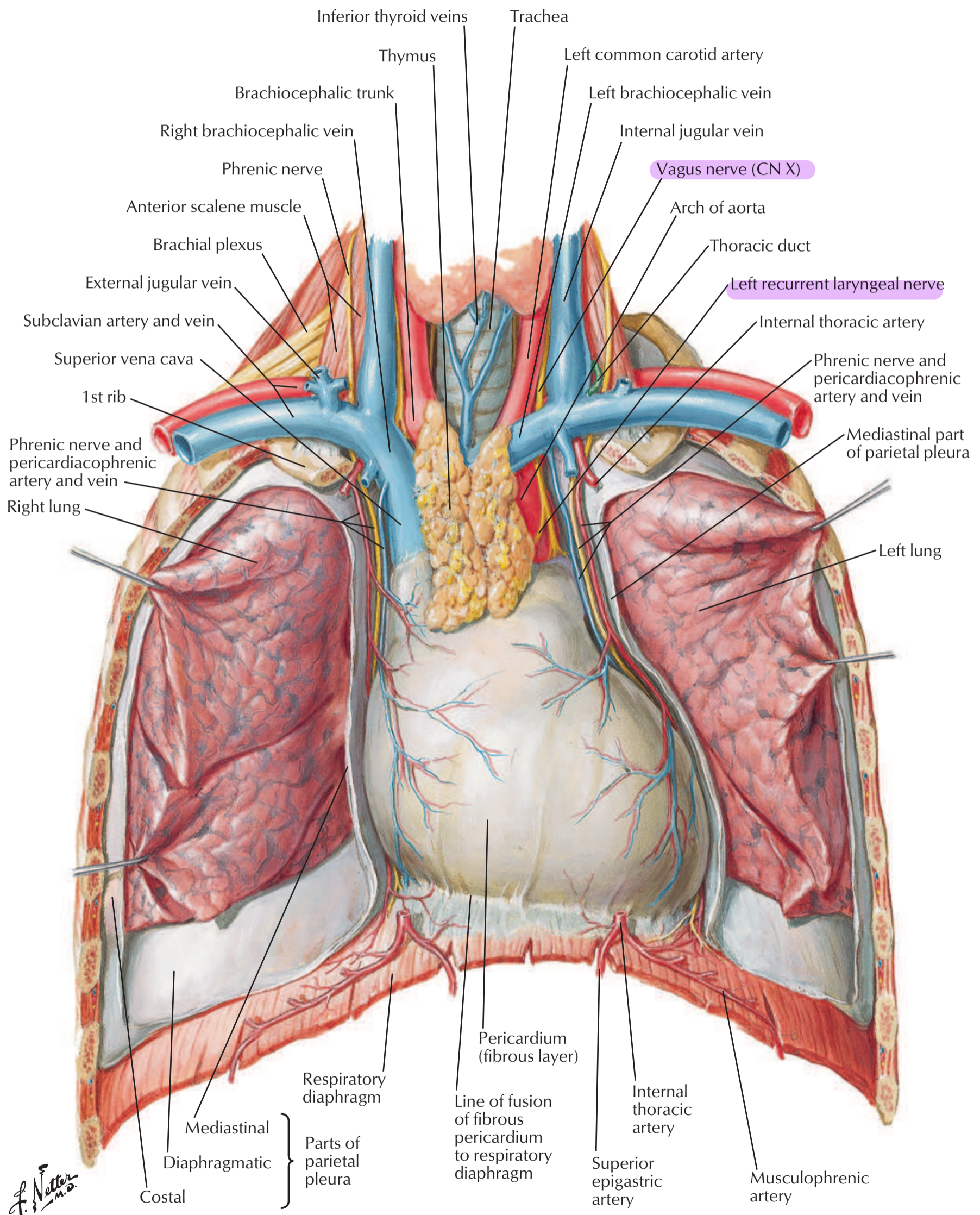


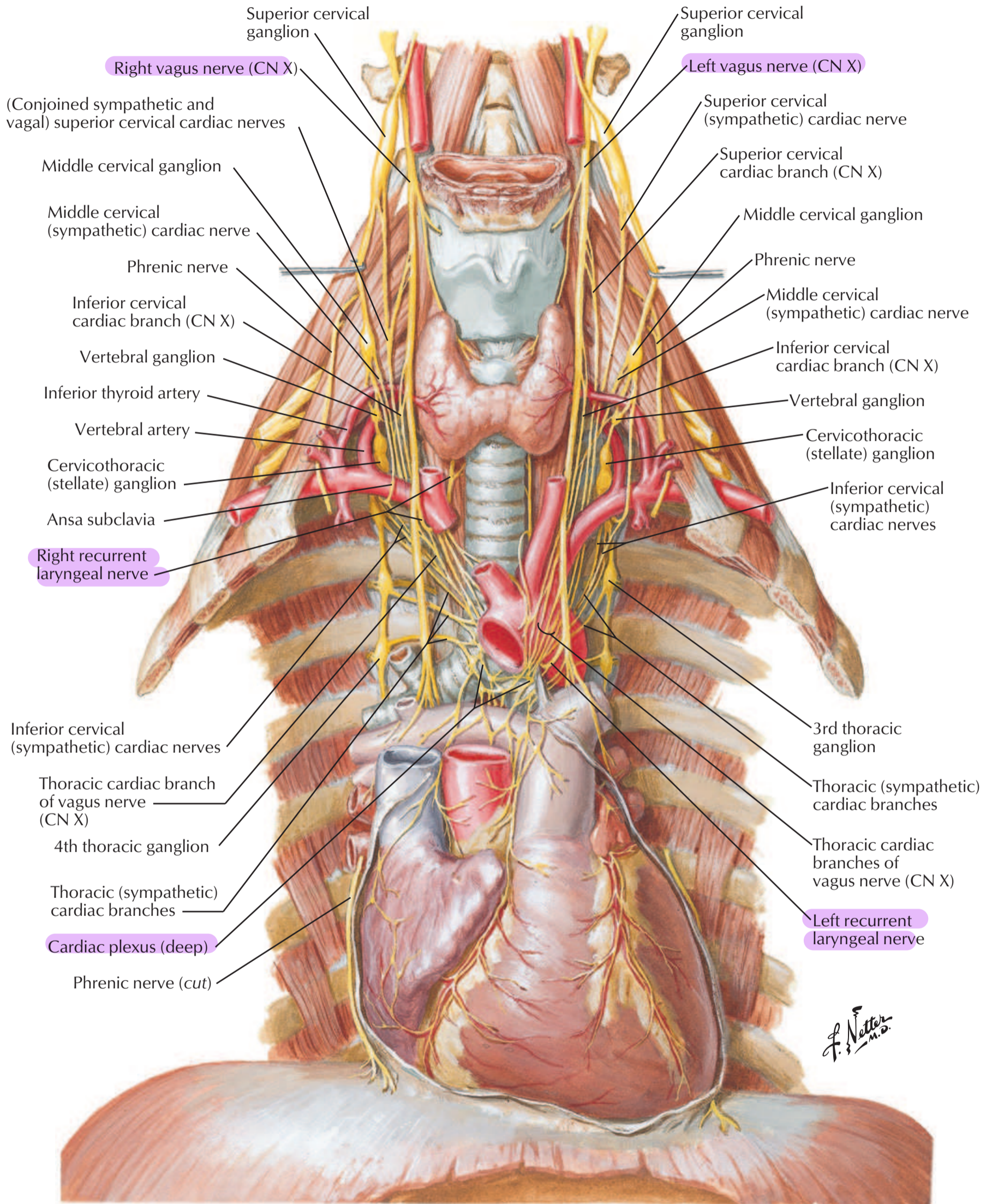


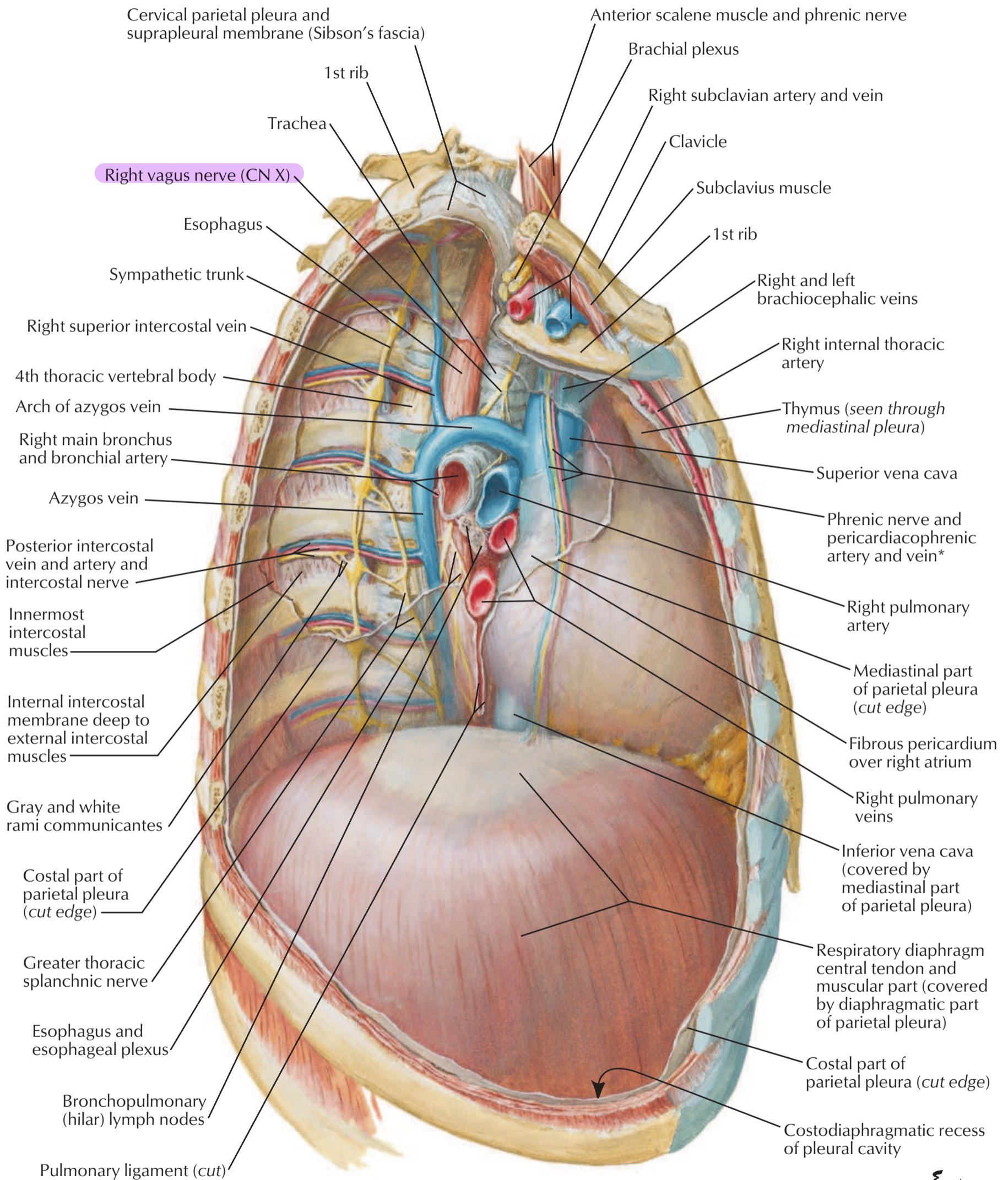


ما أعتمد نيجي ، للاحتياط

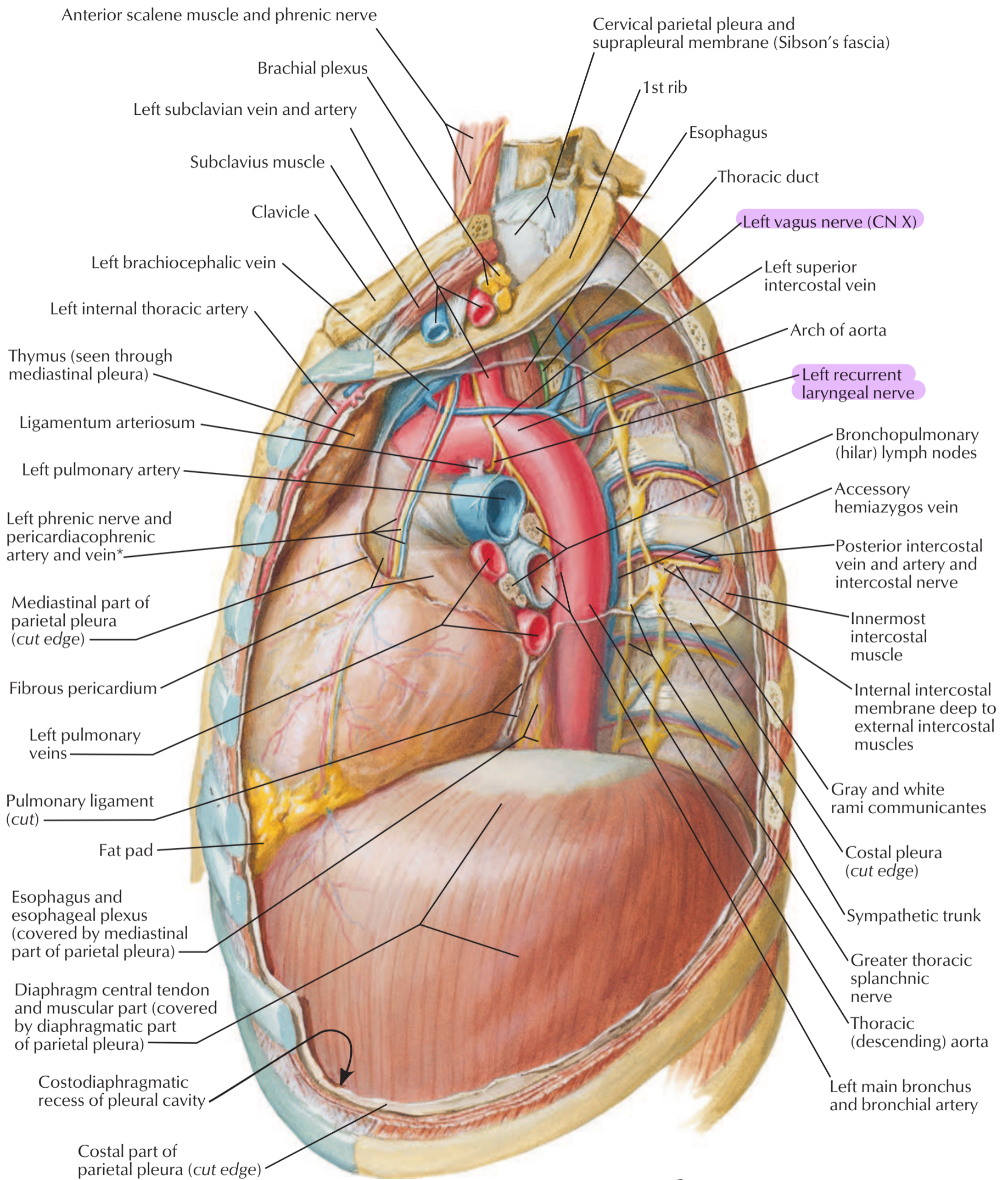






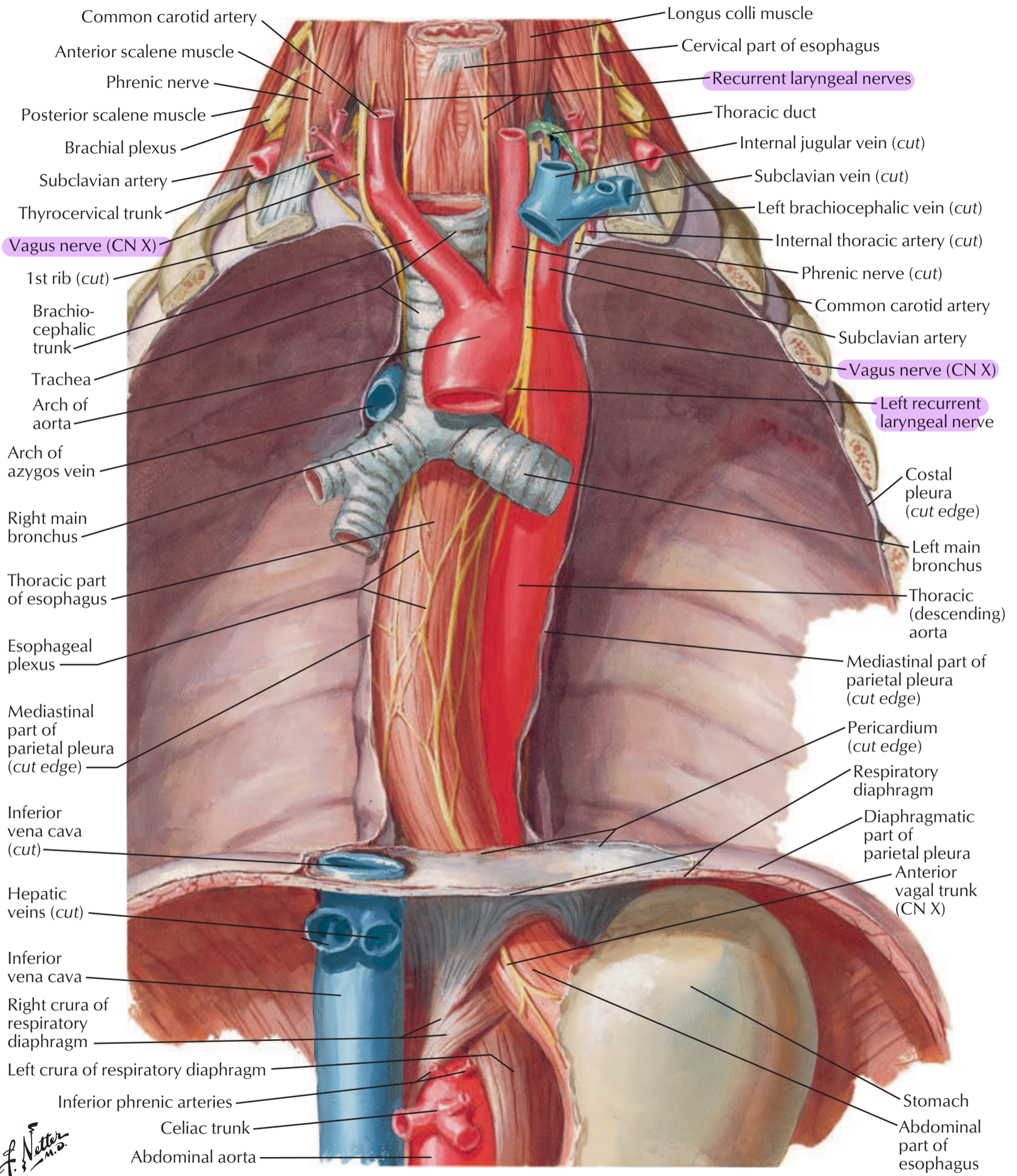


*Nerve and vessels commonly run independently.



*Nerve and vessels commonly run independently.

F. Netter M.D.



ما أعنف نجي ، للاحتياط

See also Plates 301, 302

F. Netter M.D.

