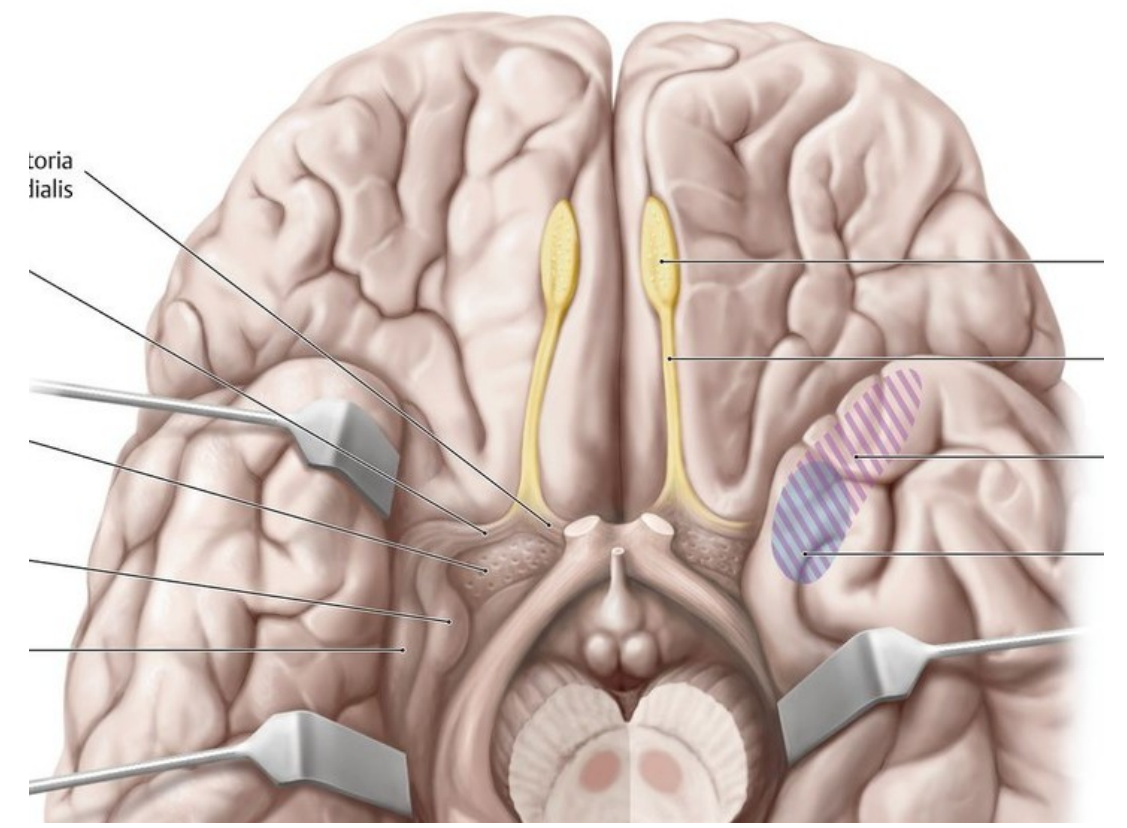
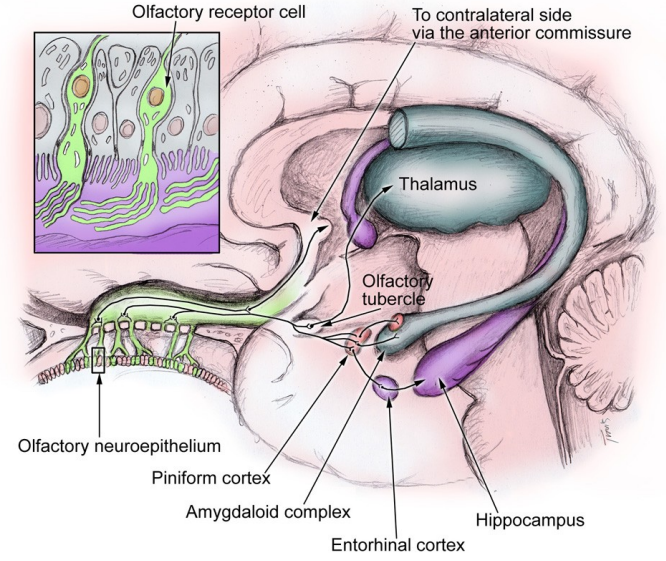
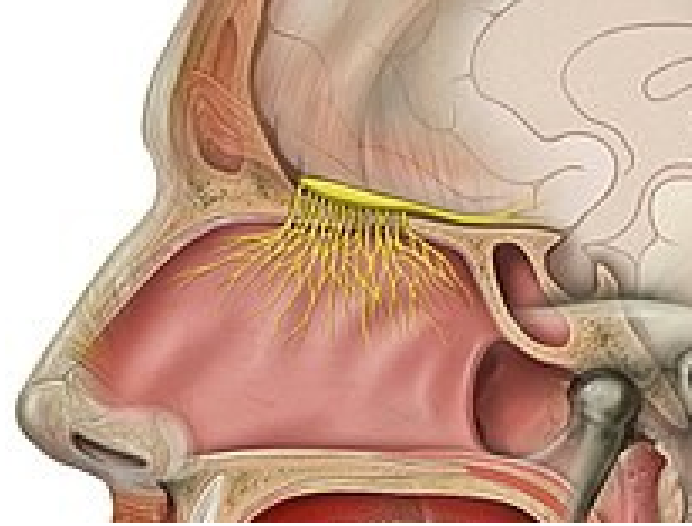
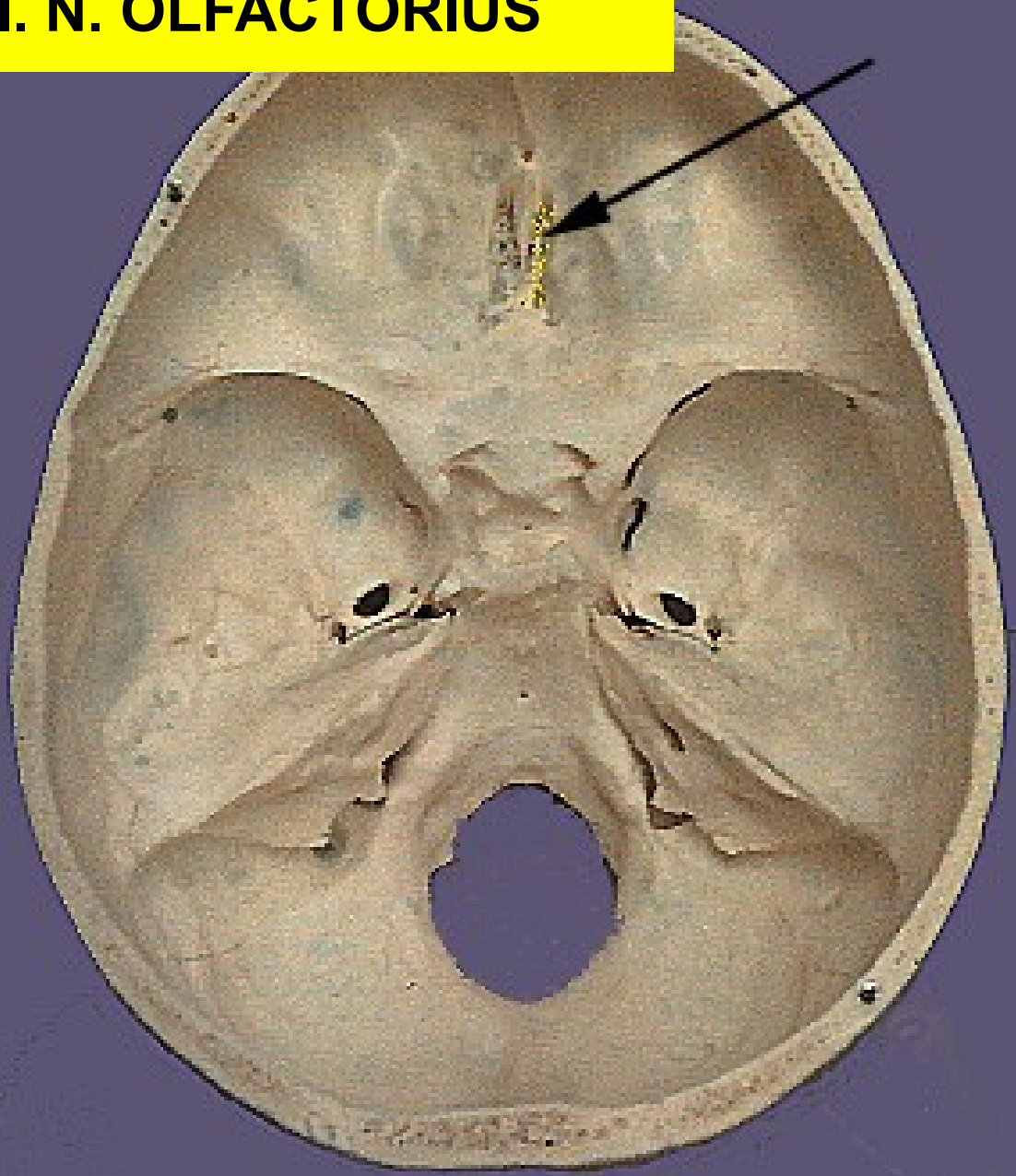
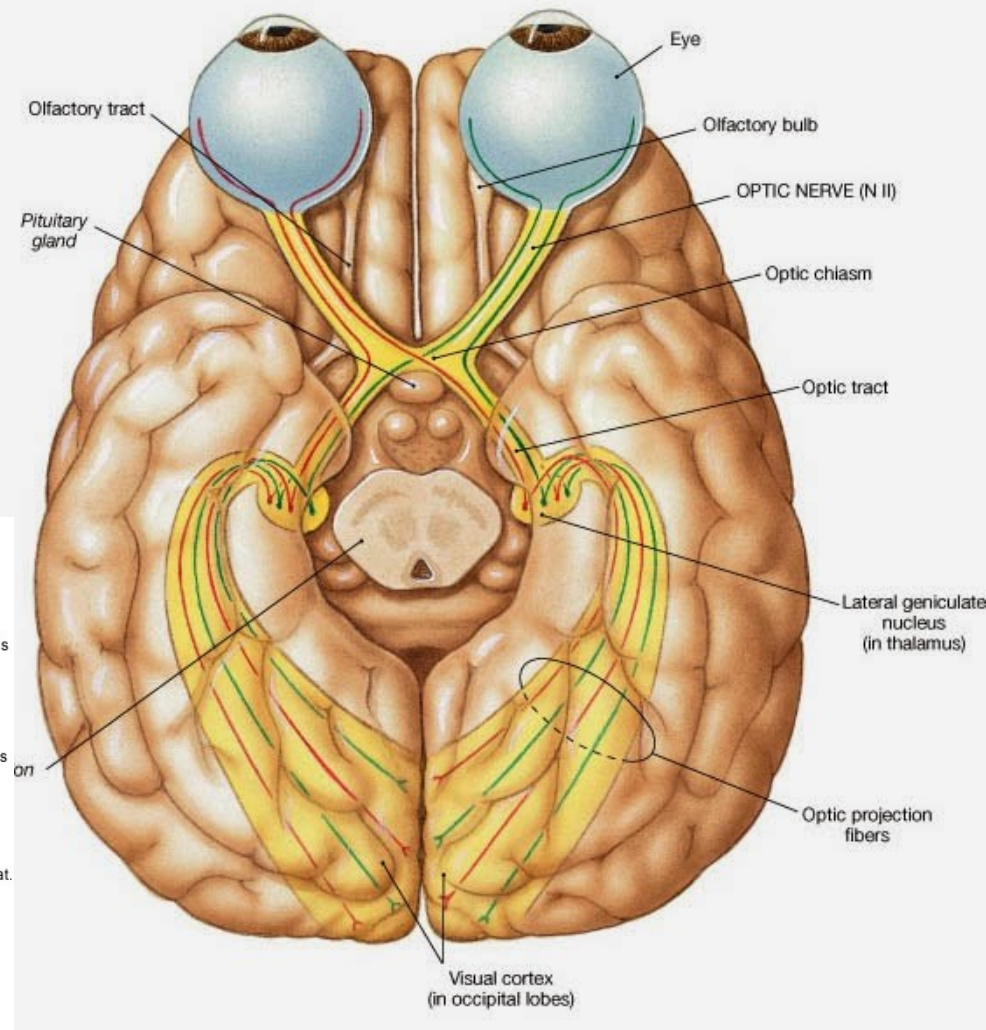
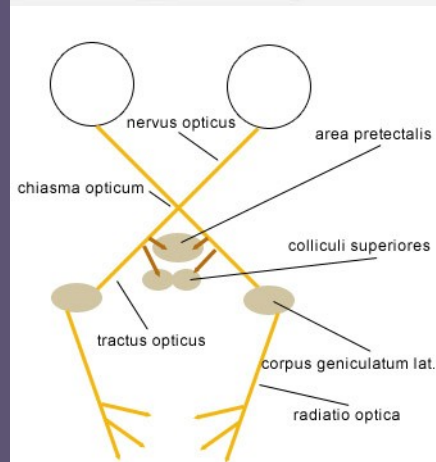
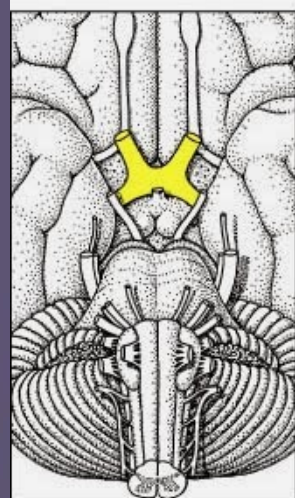
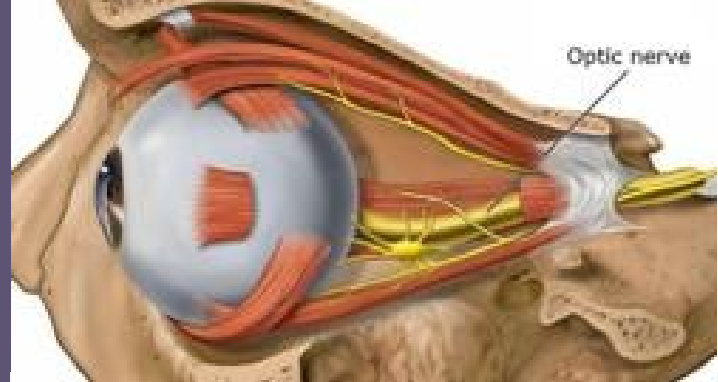
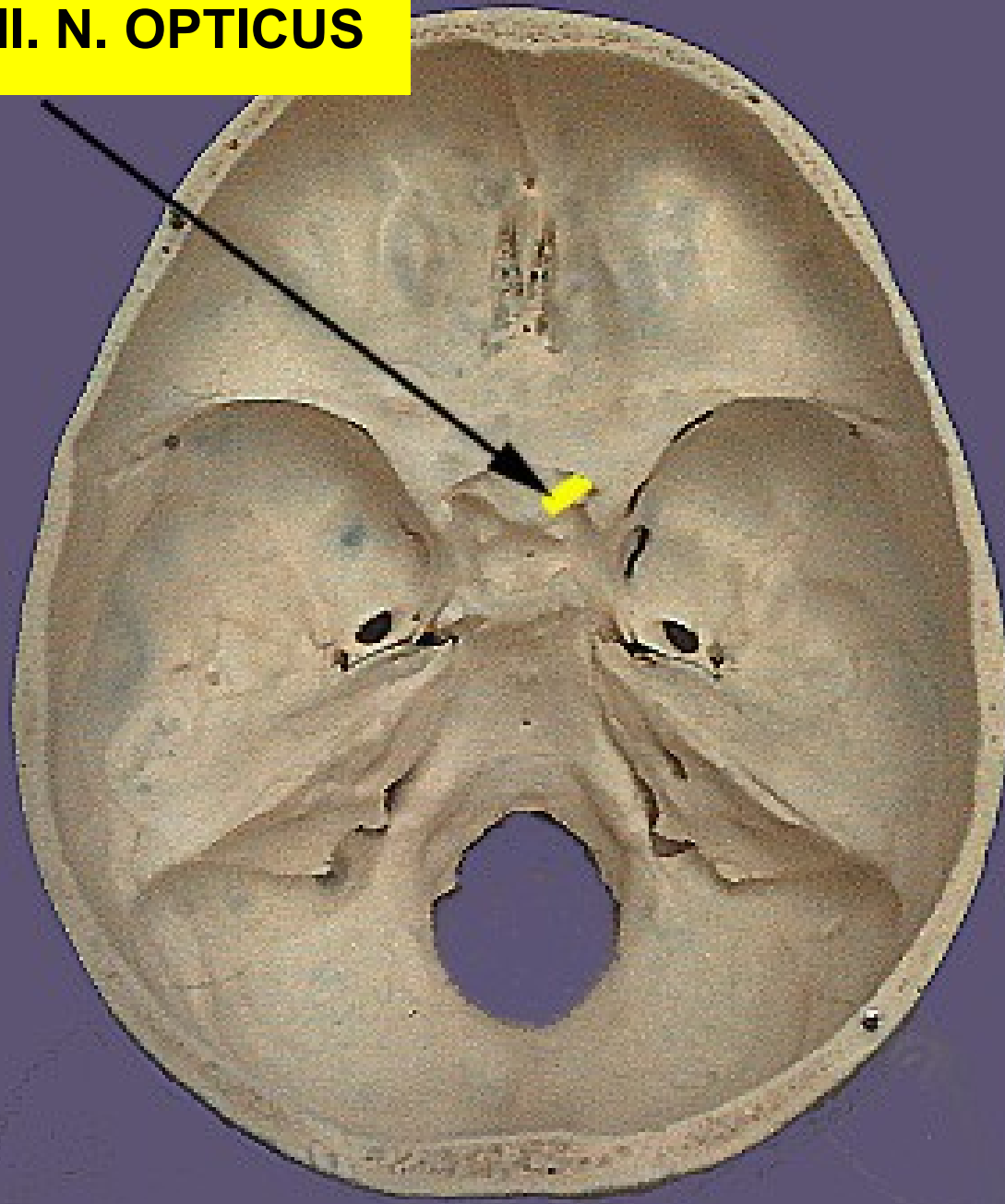


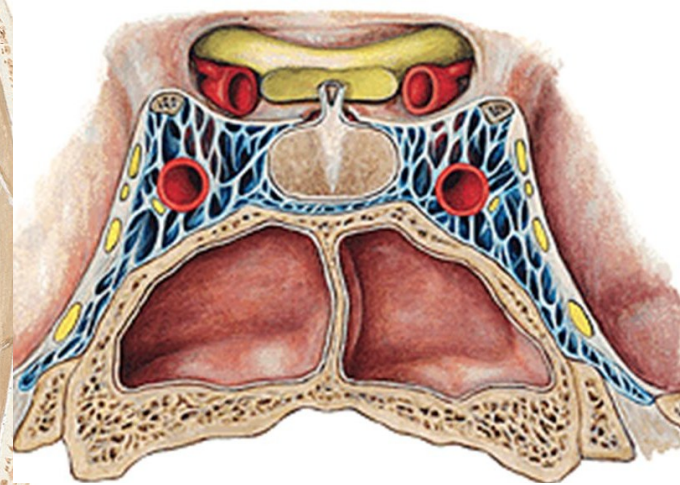
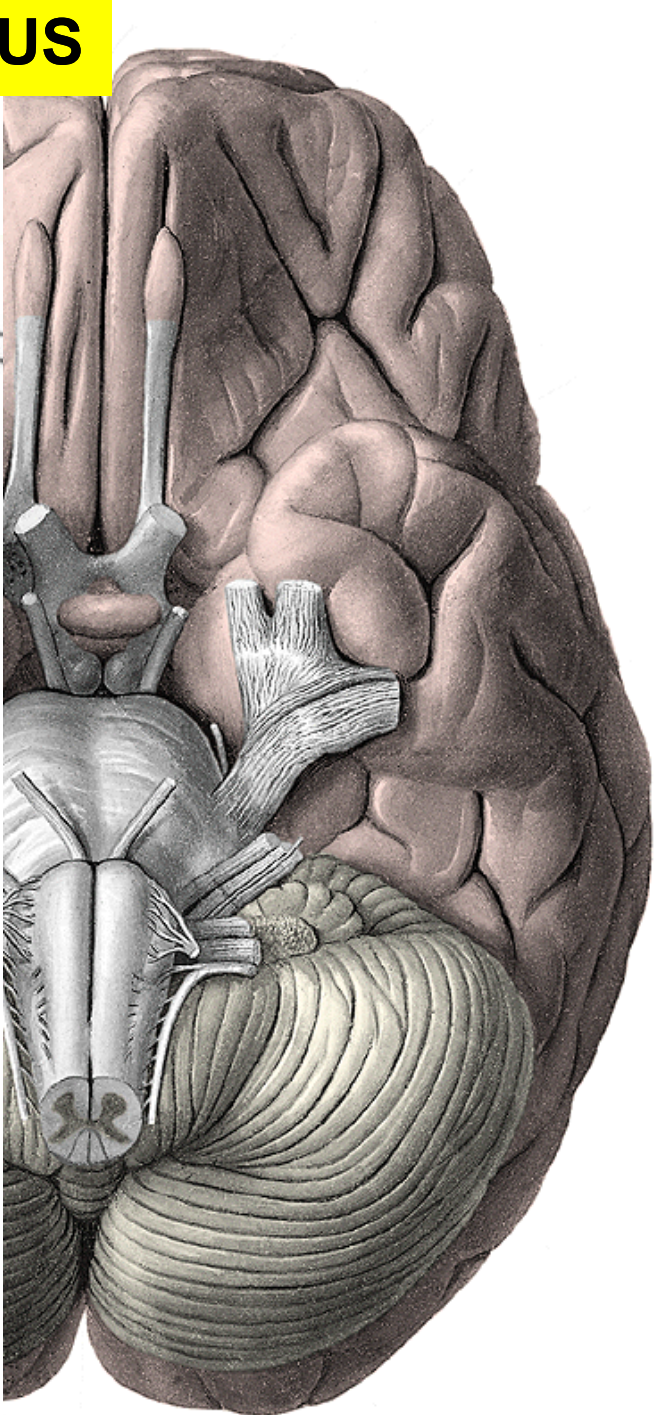
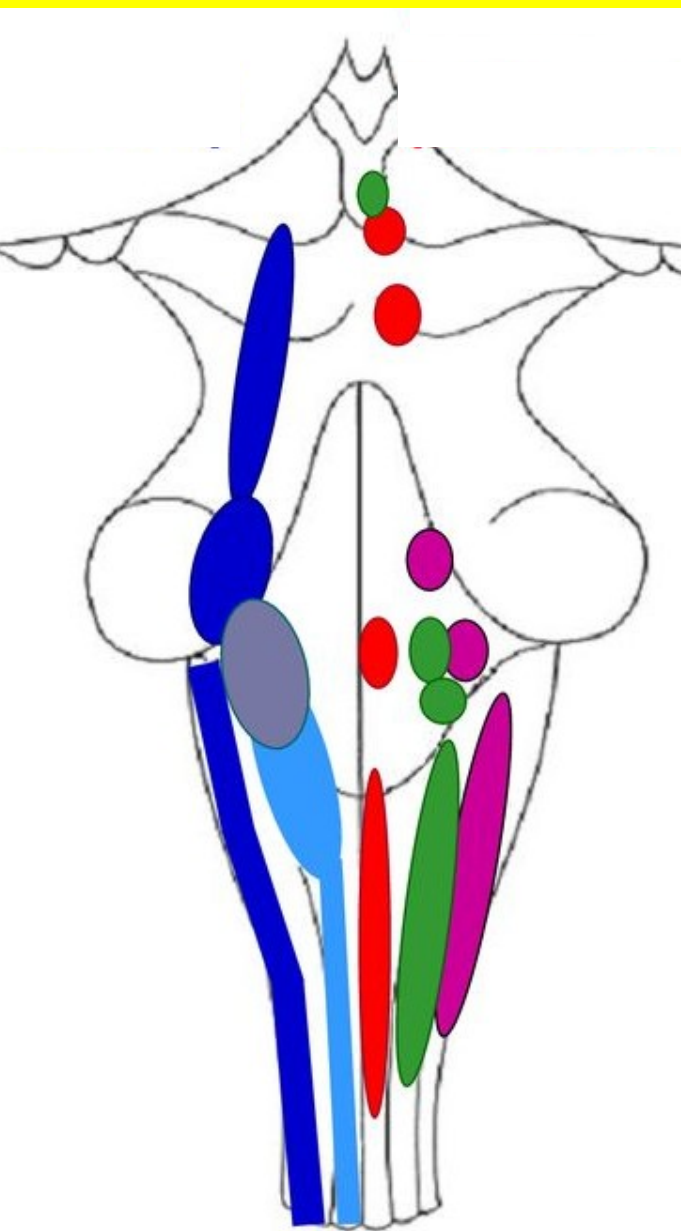
I. N. OLFACTORIUS



II. N. OPTICUS



III. N. OCULOMOTORIUS



OBRNA N. III

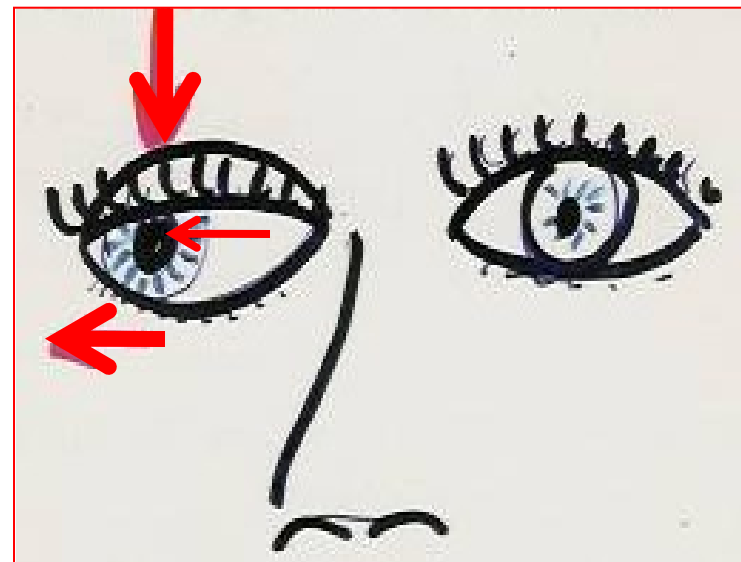
Ptóza: pokles víčka z obrny m. levator palpebrae superioris

Obrna pohledu mediálně: obrna m. rectus bulbi medialis

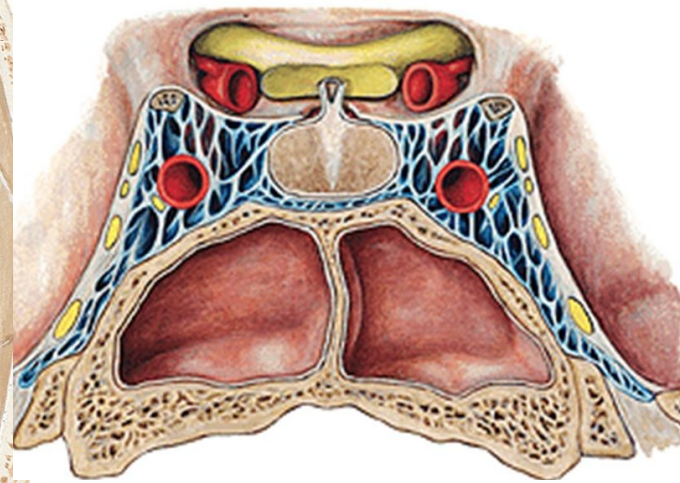
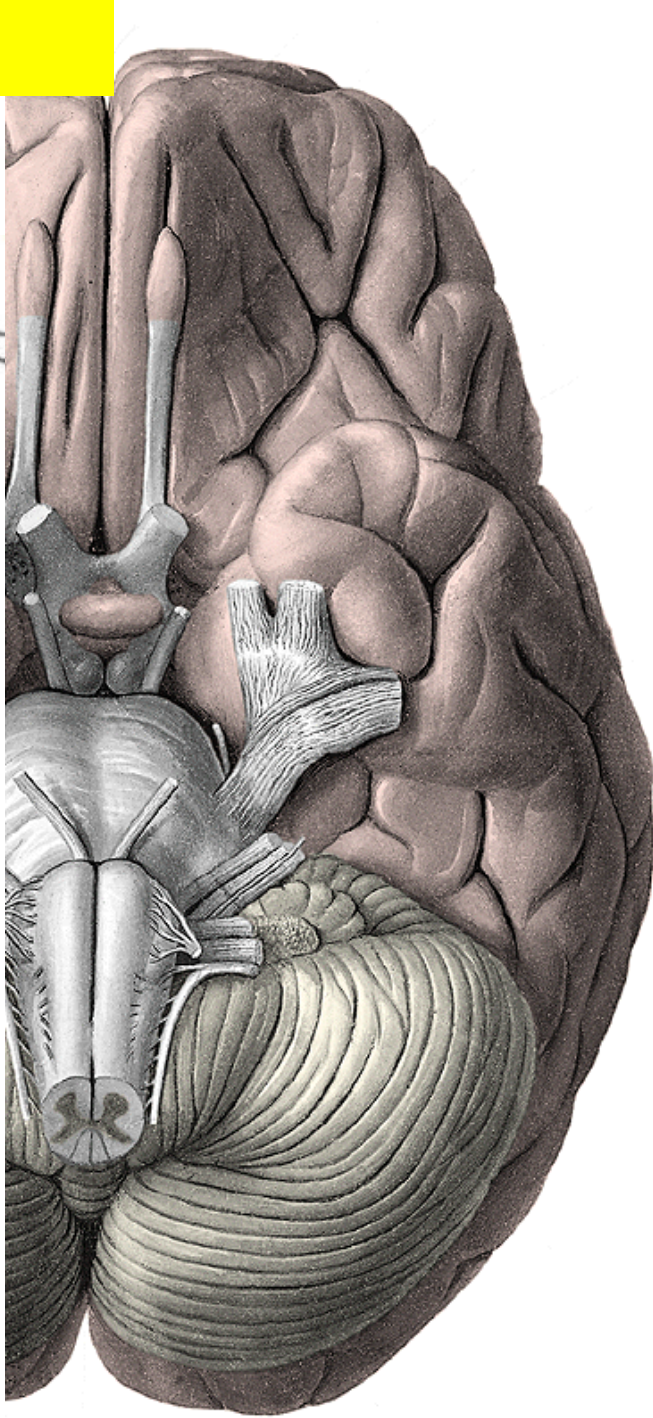
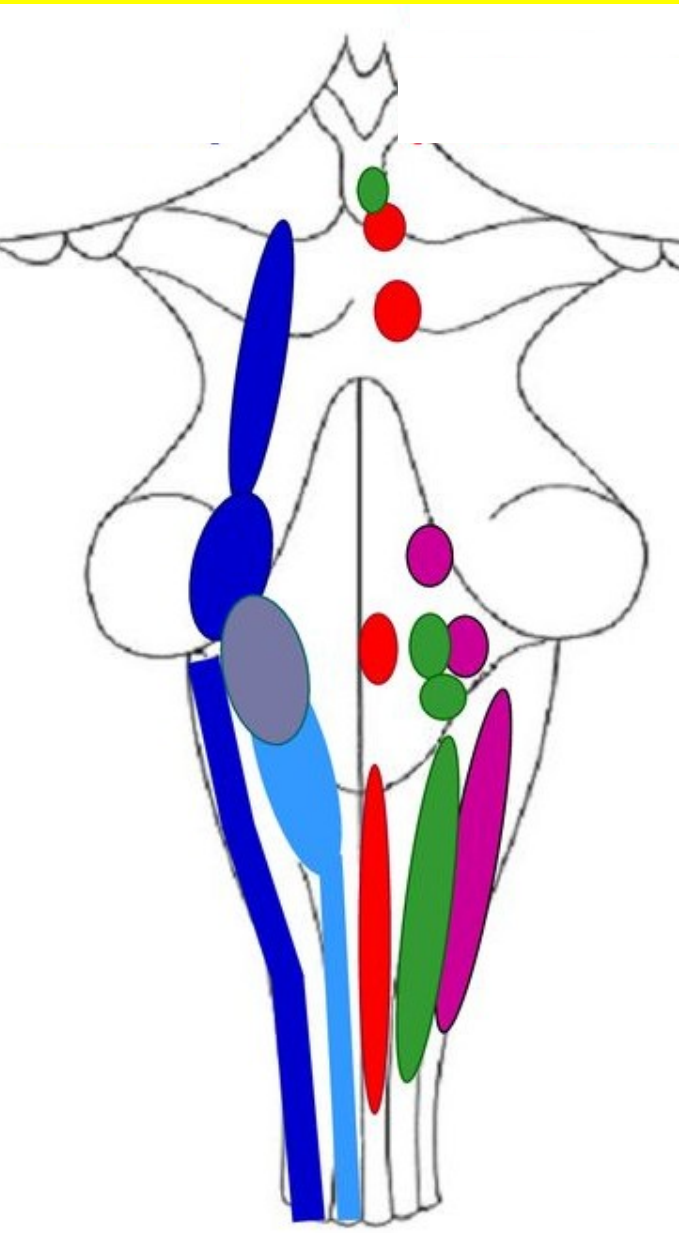
Strabismus divergens (rozbíhavé šilhání)+ **diplopie** (dvojité vidění): převaha intaktního m. rectus lateralis (inervovaného z n. VI) nad ochrnutým m. rectus medialis

Mydriáza (rozšířená zornice): obrna m. sphincter pupillae, převaha m. dilatator pupillae (inervovaného z krčního sympatiku)

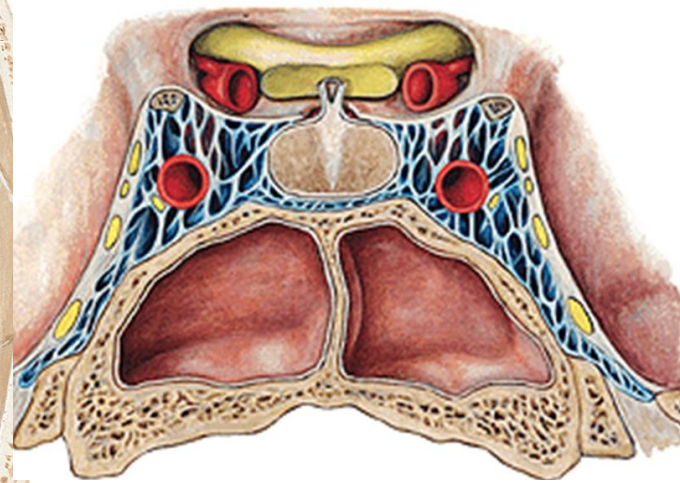
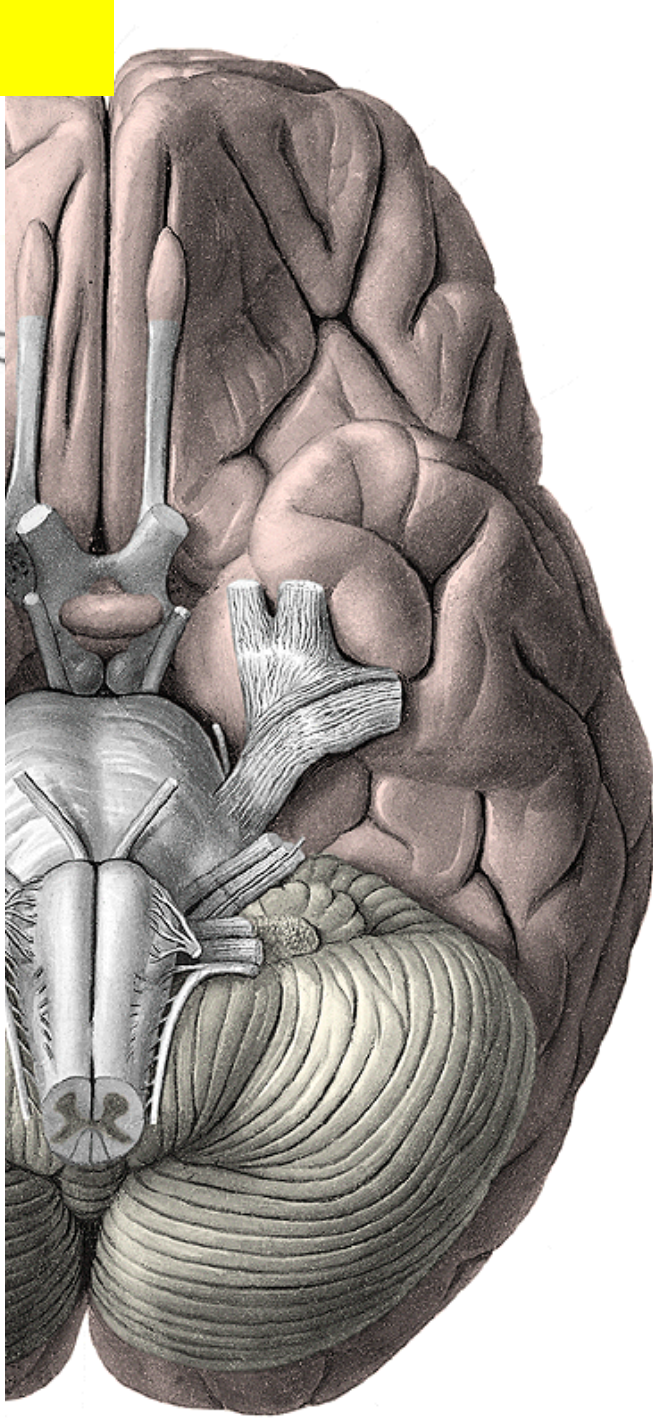
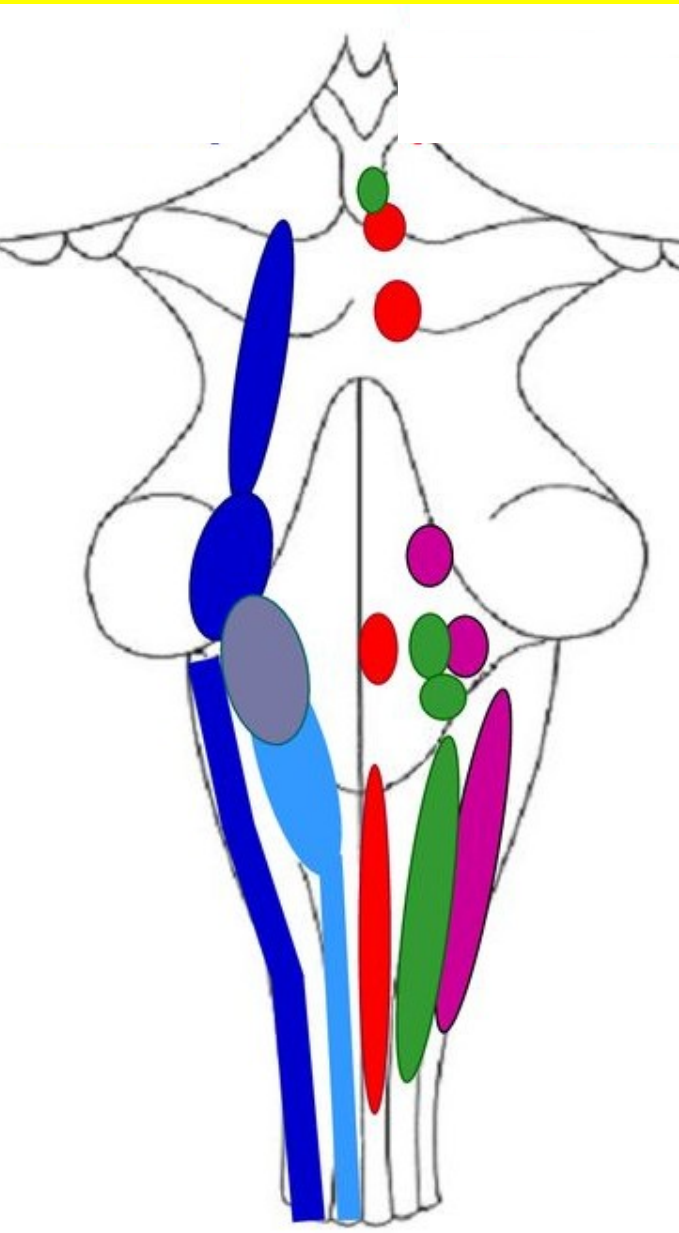
Porucha akomodace (do blízka)



IV. N. TROCHLEARIS

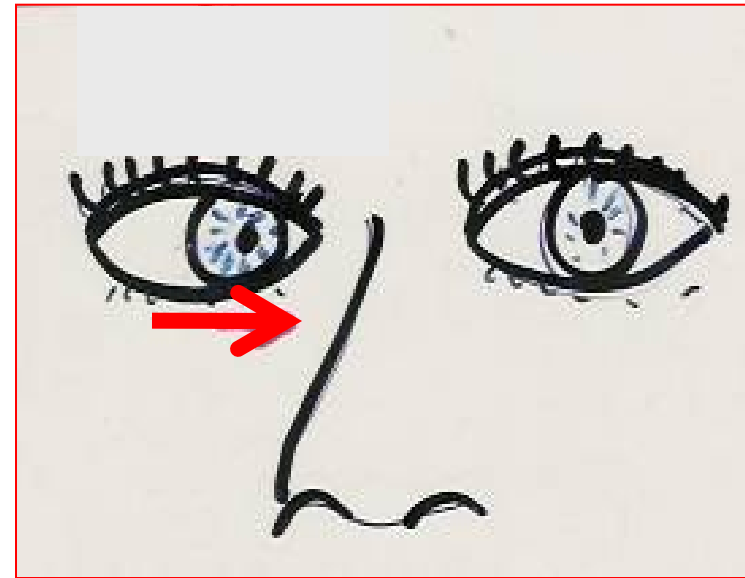


IV. N. ABDUCENS



OBRNA N. VI

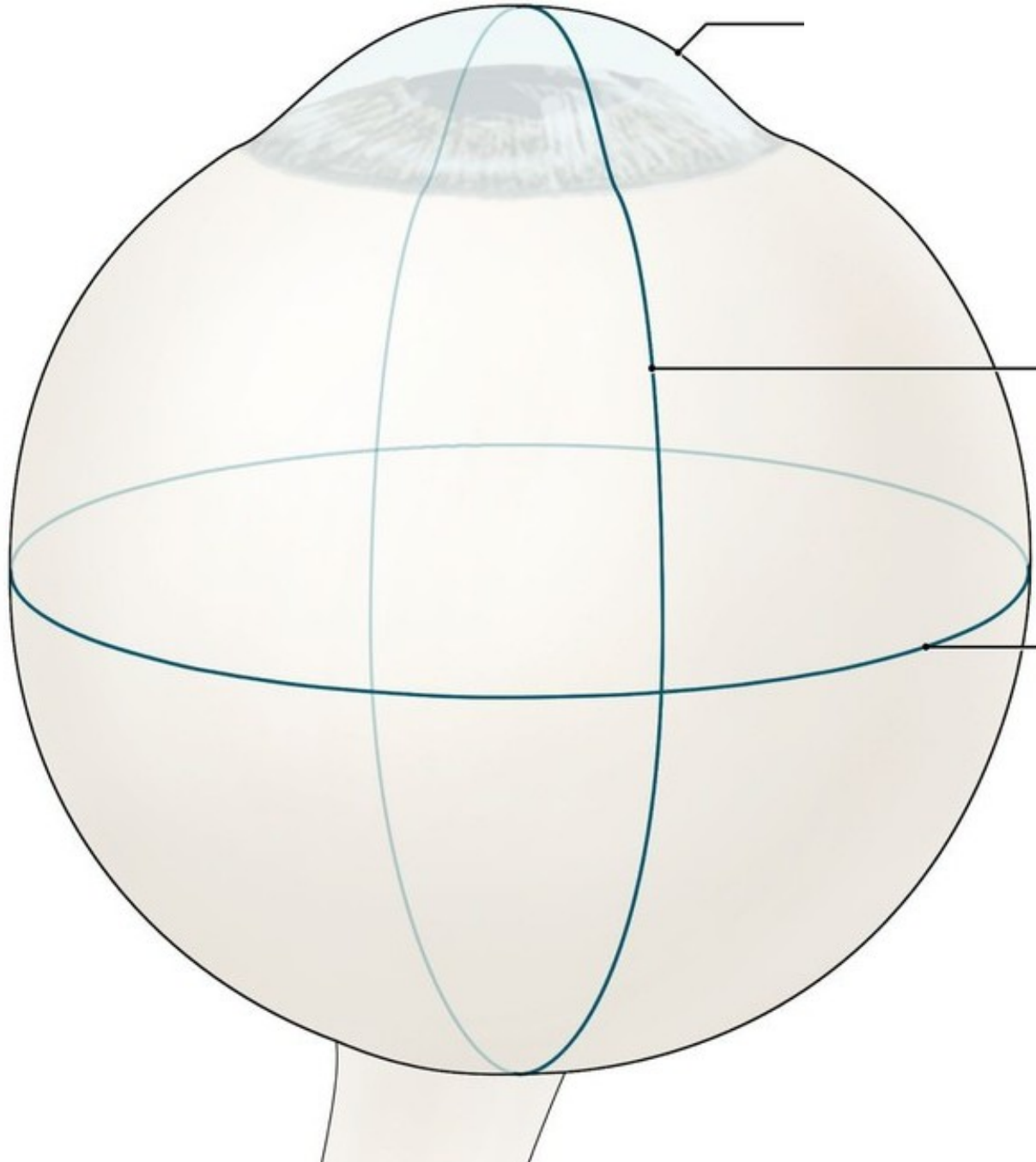
1. **Obrna pohledu laterálně** z obrny m. rectus bulbi lateralis
2. **Strabismus convergens + diplopie:** převaha intaktního m. rectus medialis (inervovaného z n. III) nad ochrnutým m. rectus bulbi lateralis



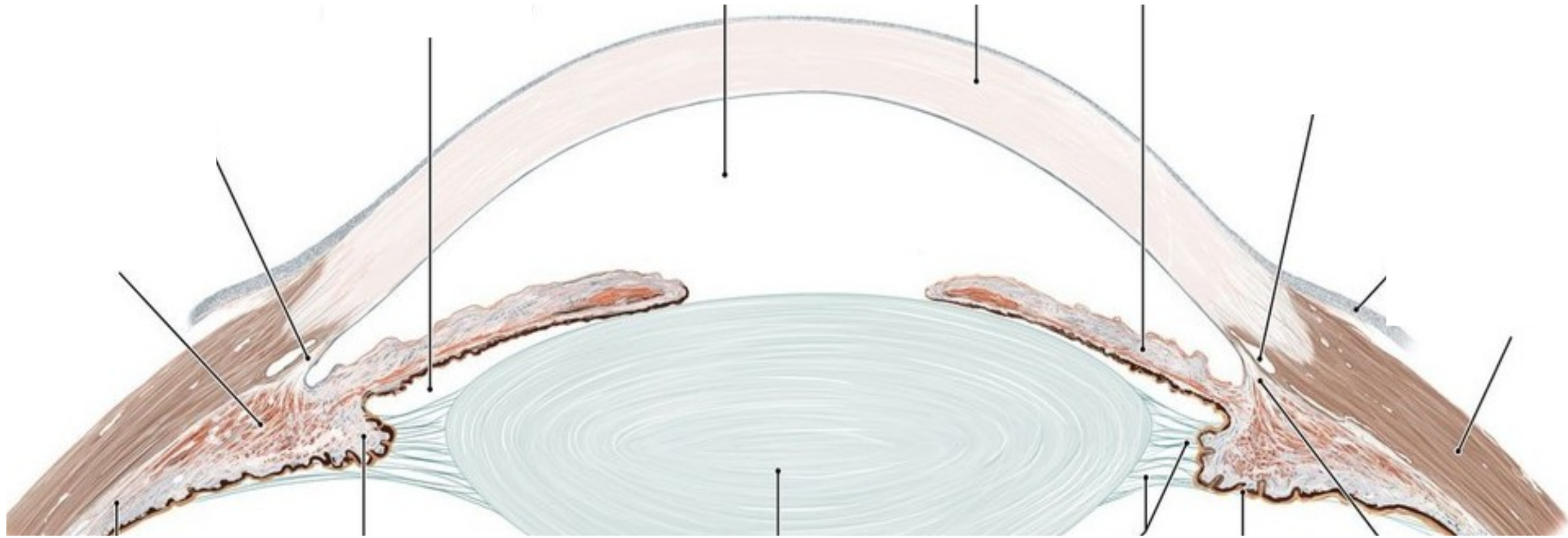
THE VISUAL SYSTEM



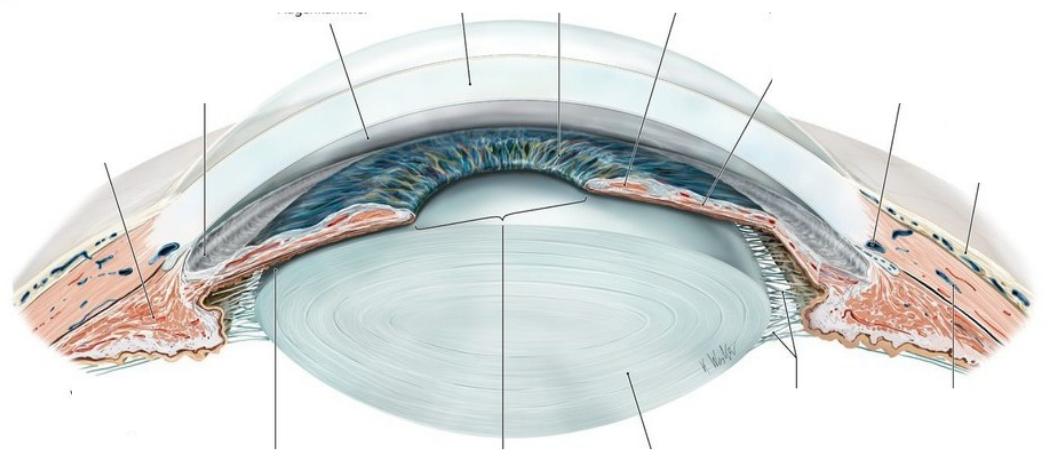
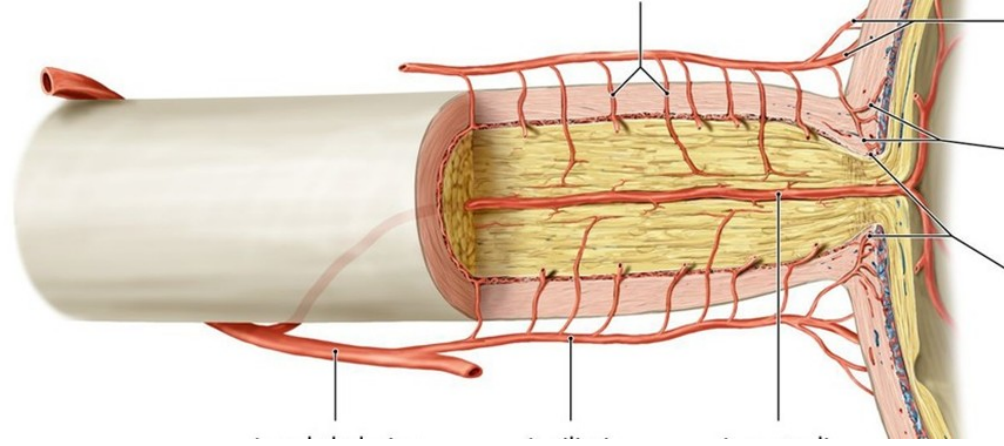
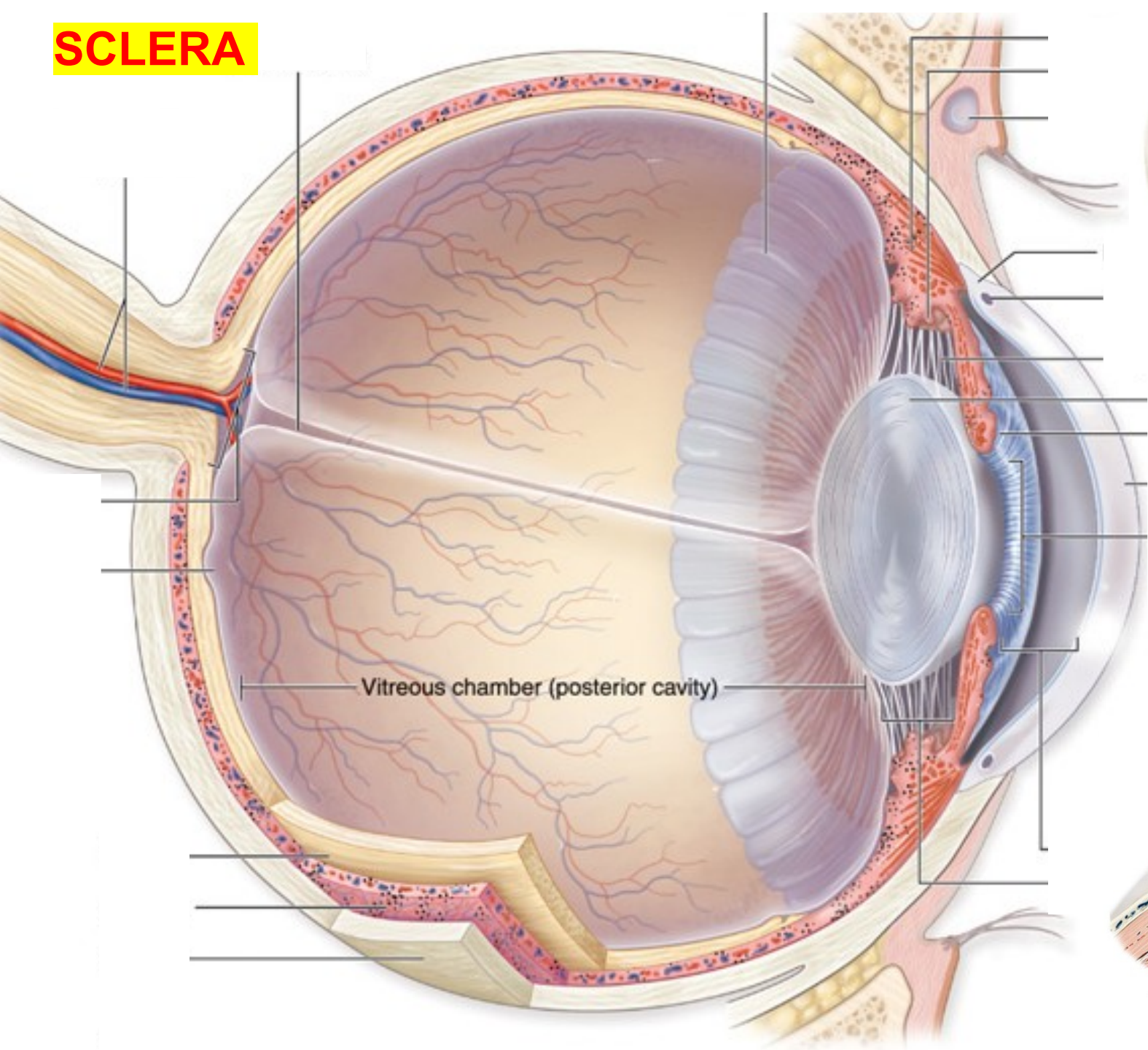
BULBUS OCULI



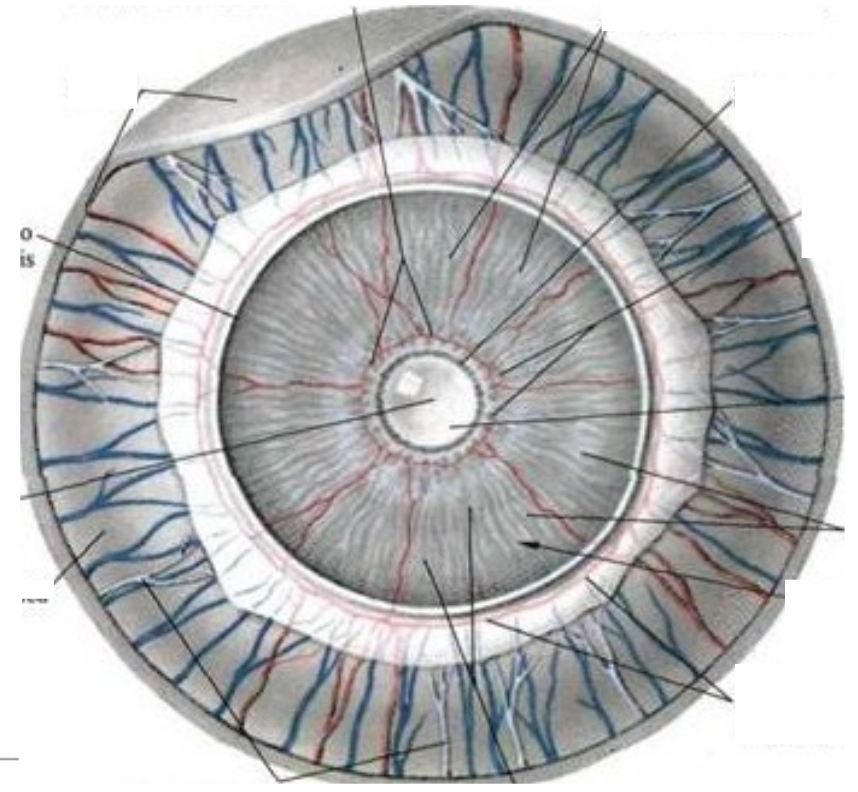
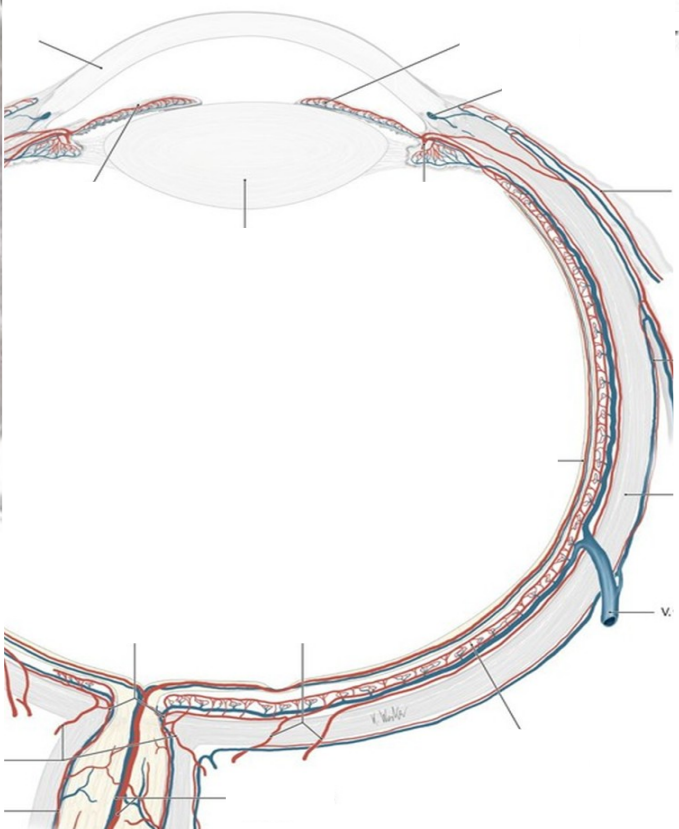
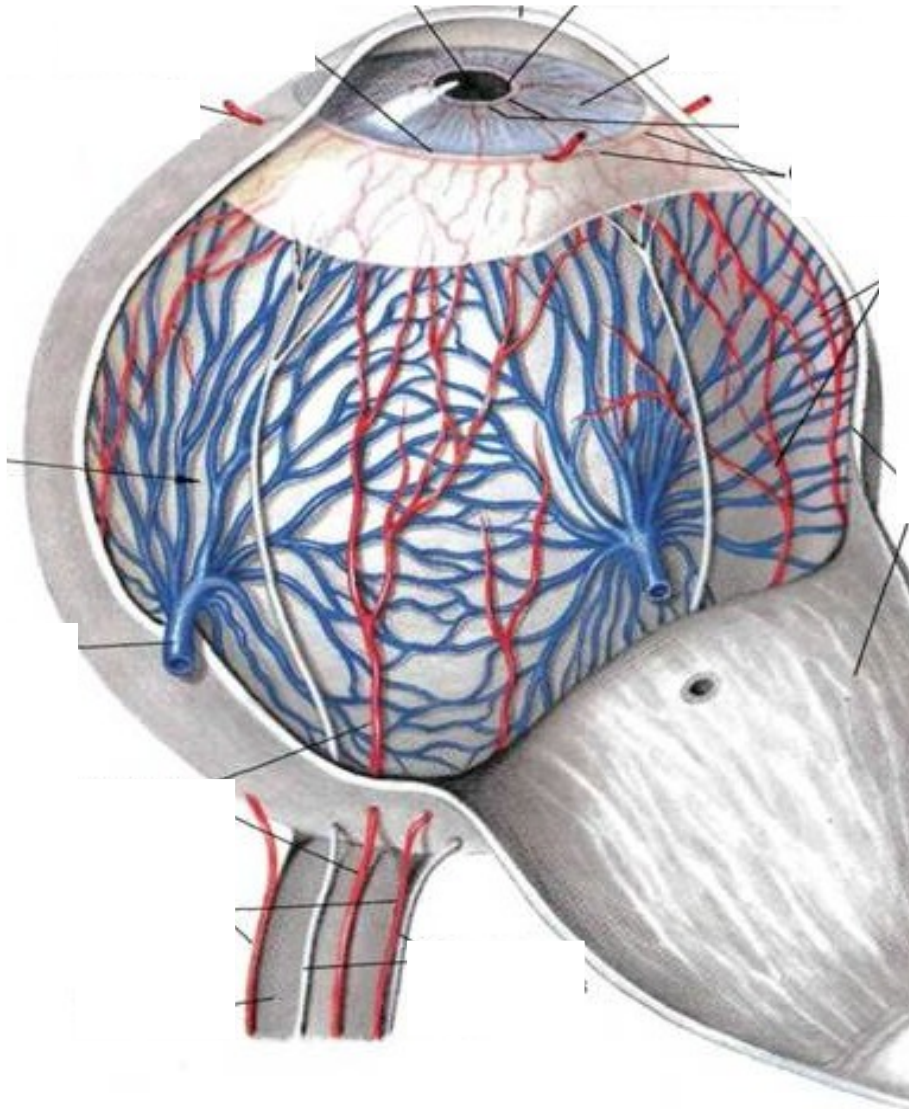
CORNEA



SCLERA

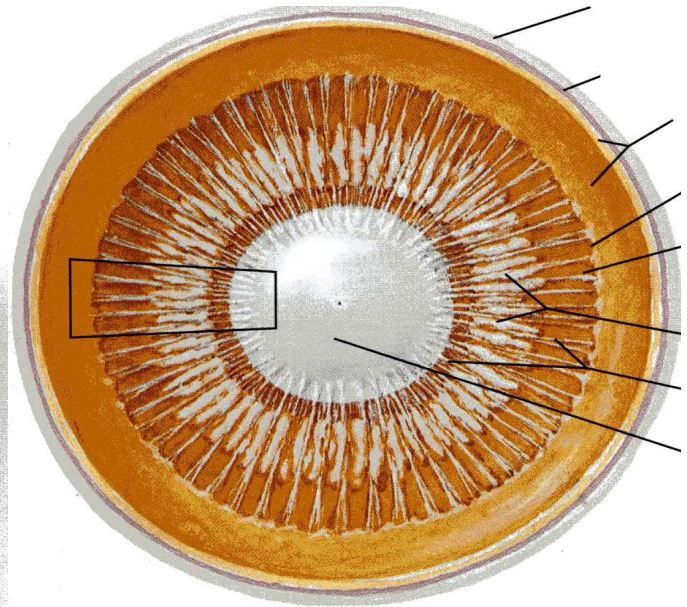
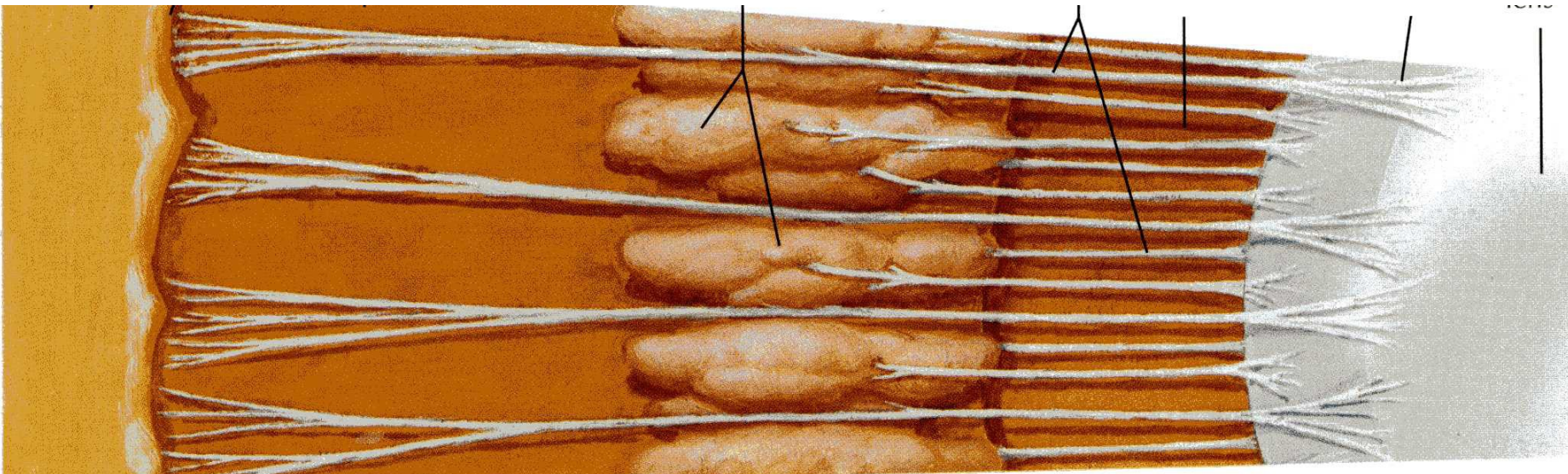
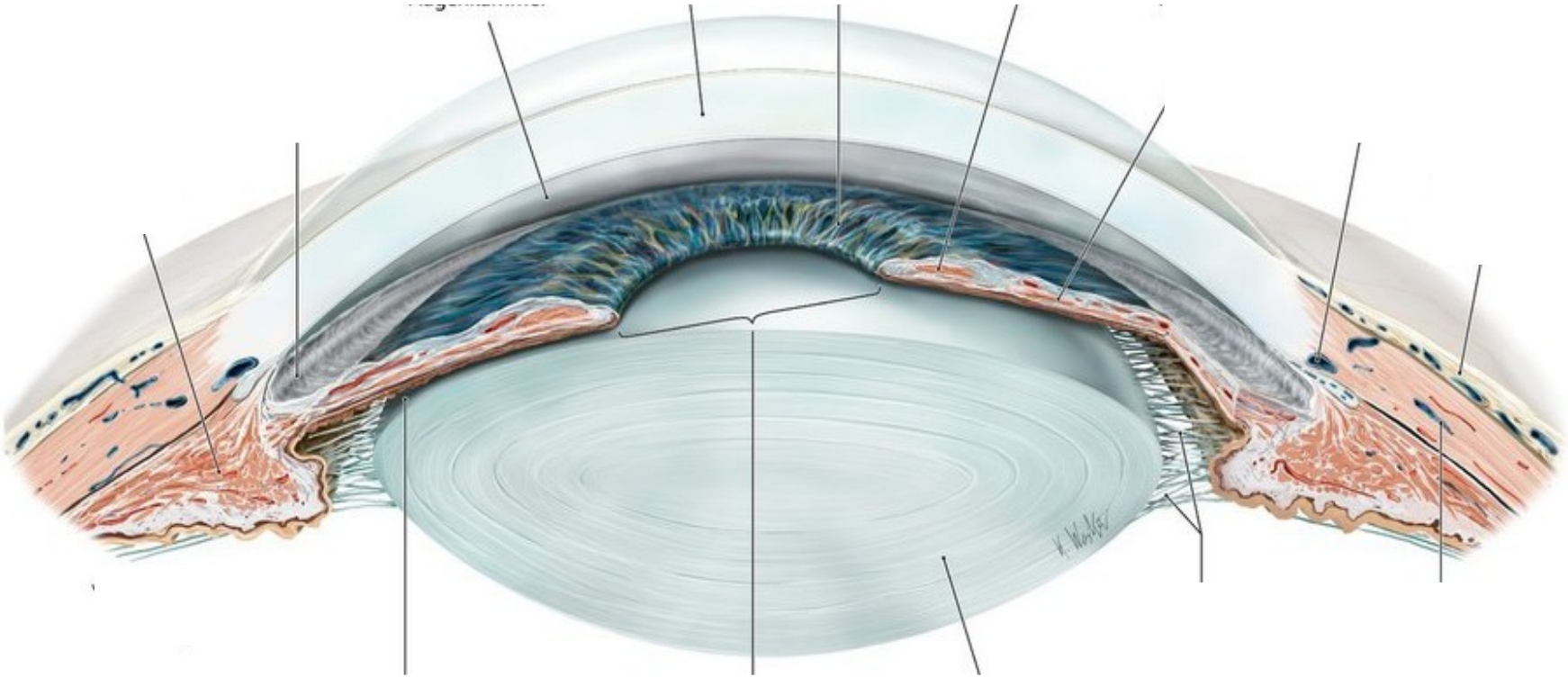


CHOROIDEA

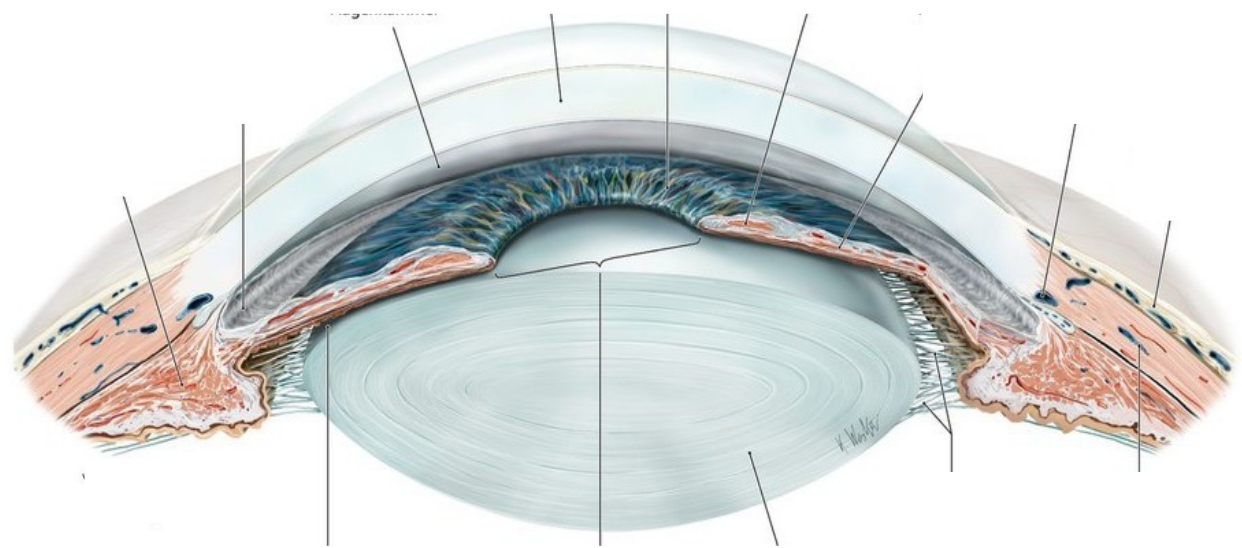
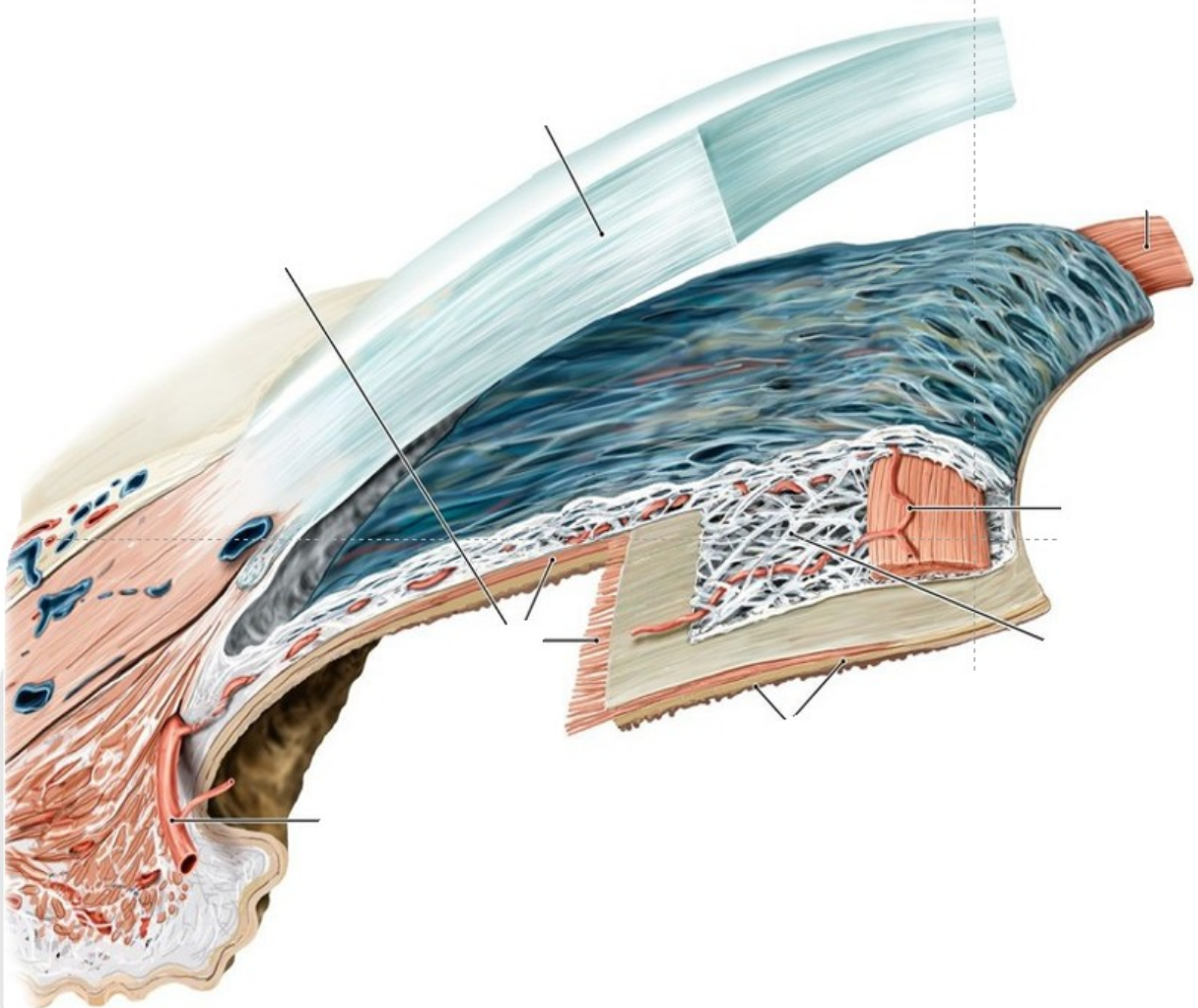
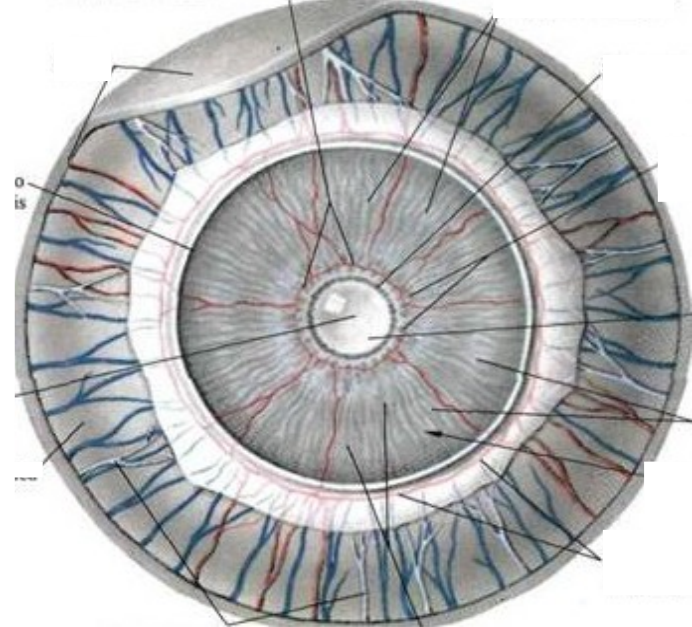


CORPUS CILIARE

SUSPENSORY APPARATUS OF LENS

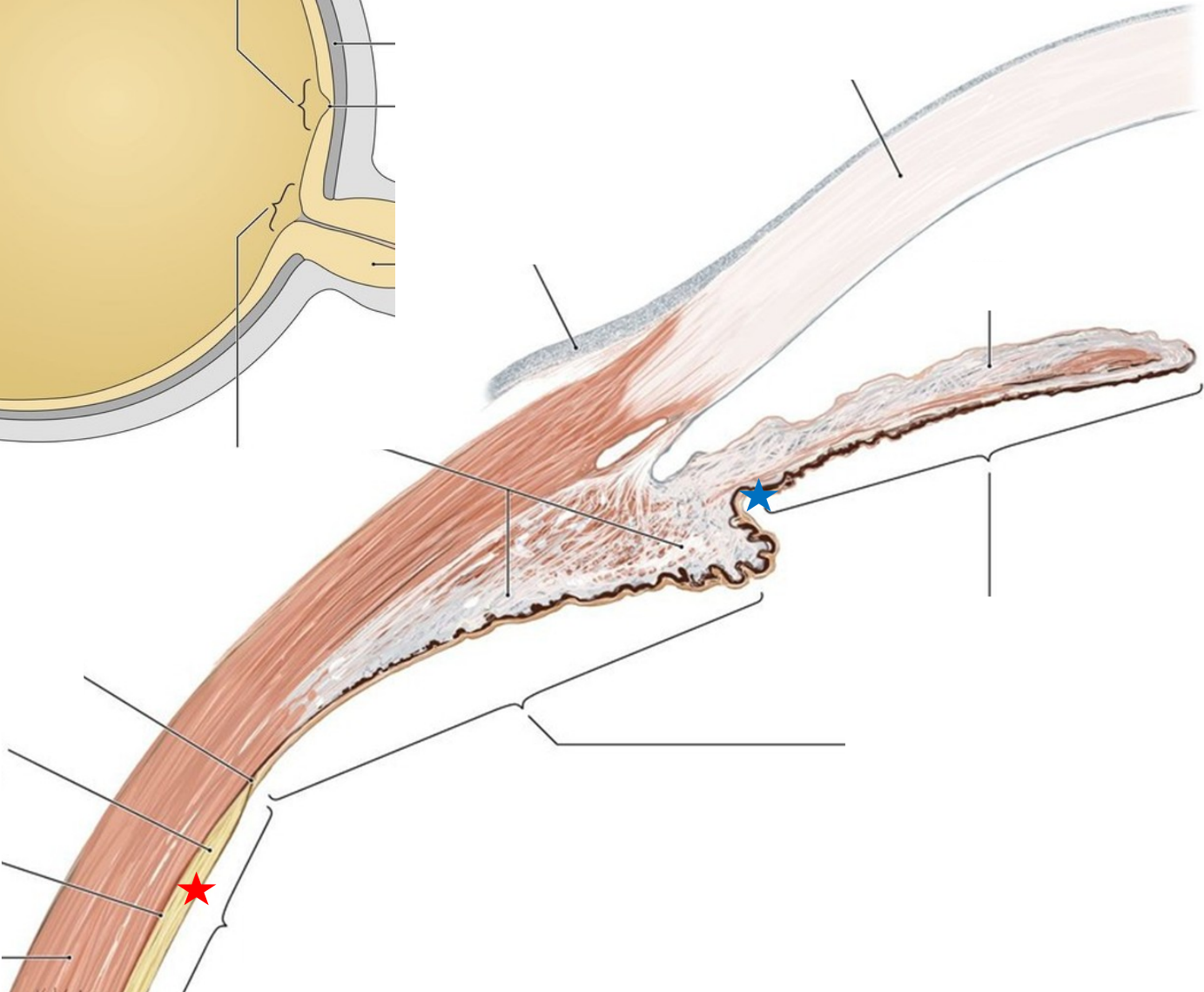
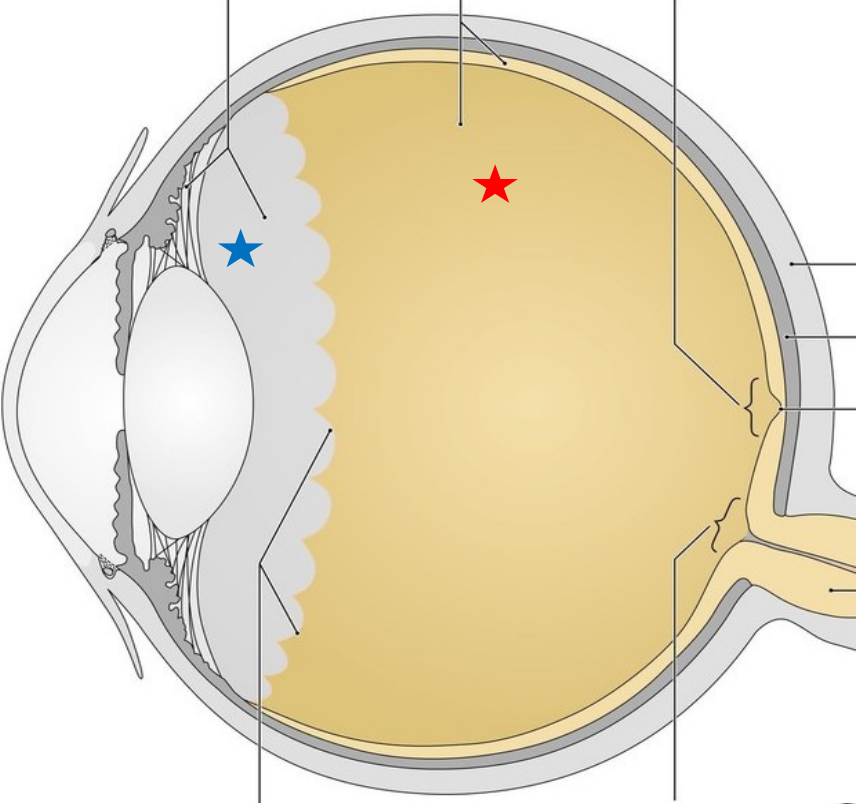
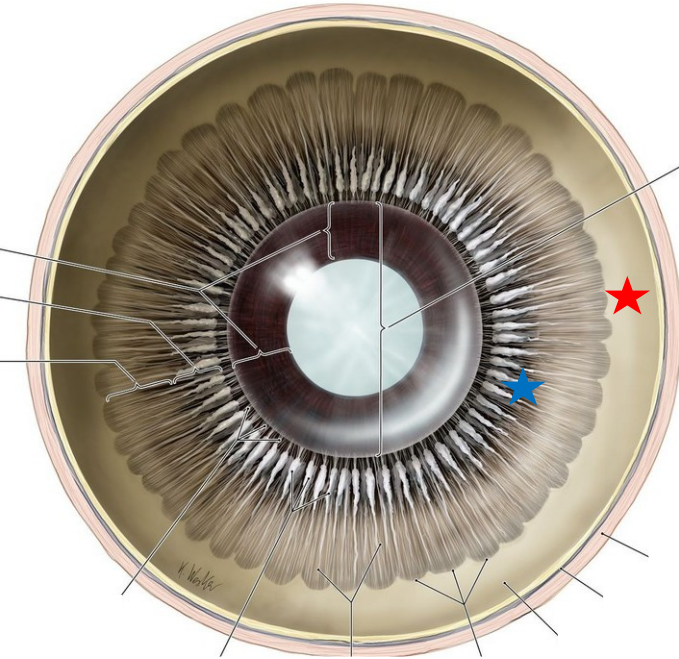


IRIS

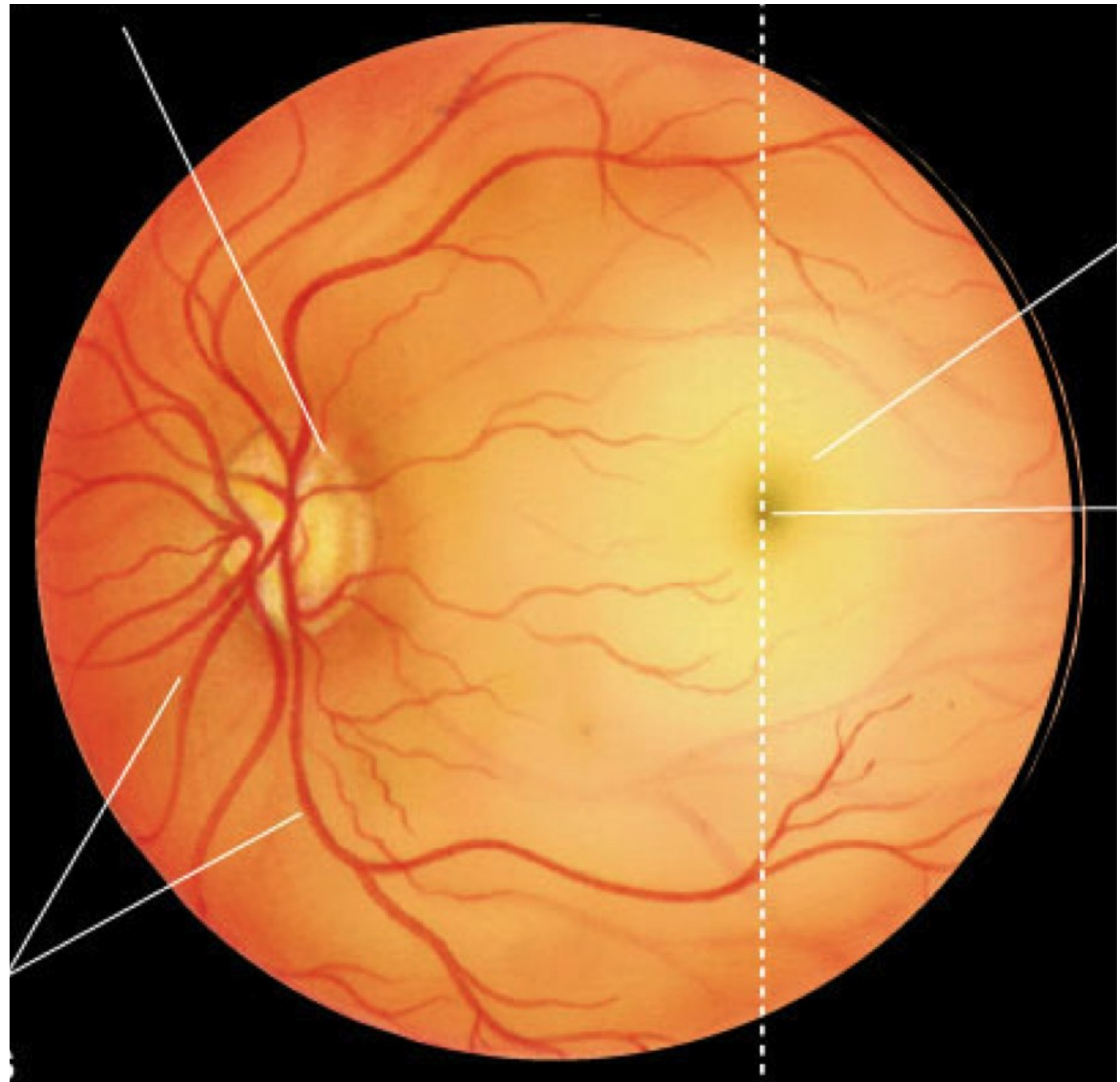


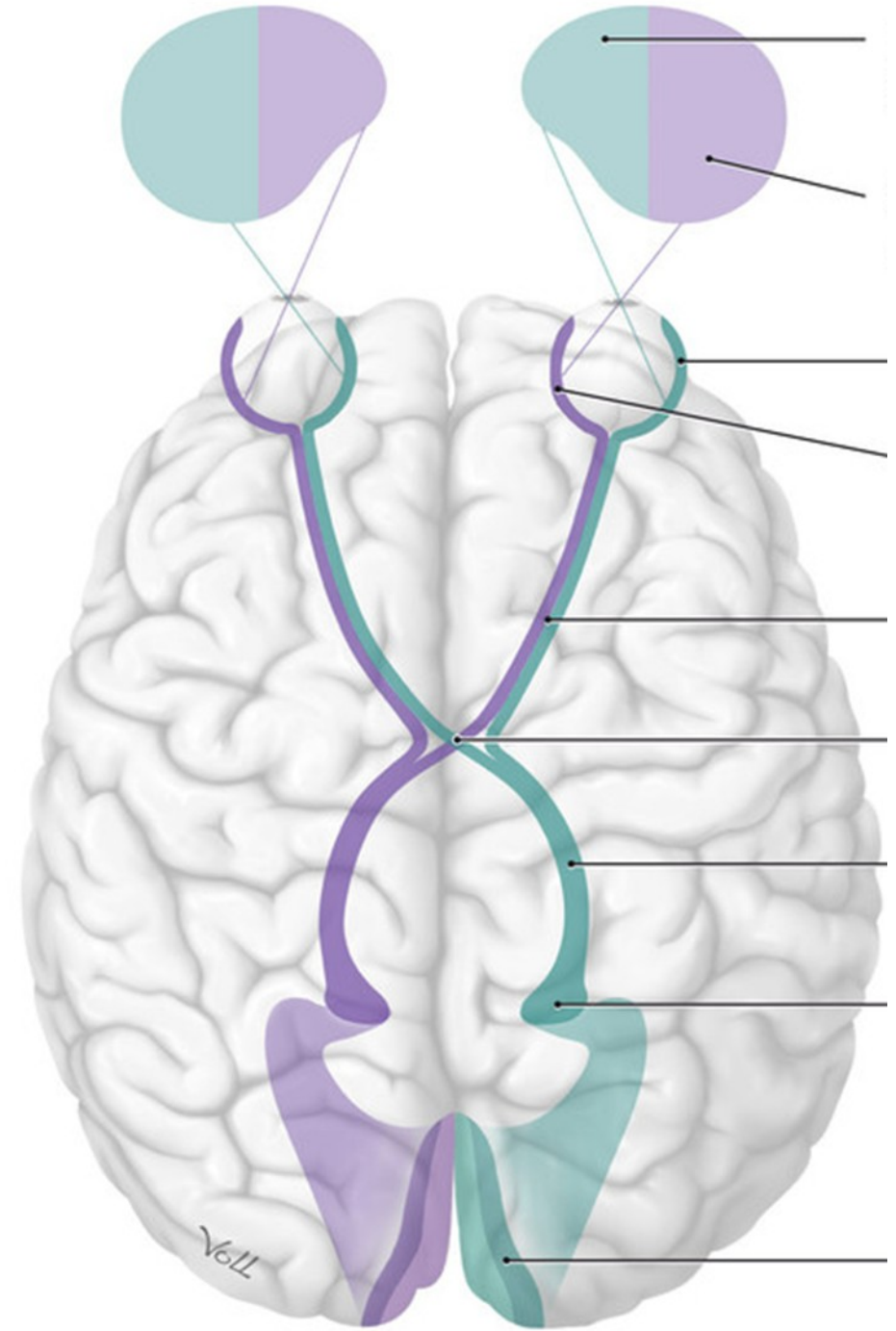
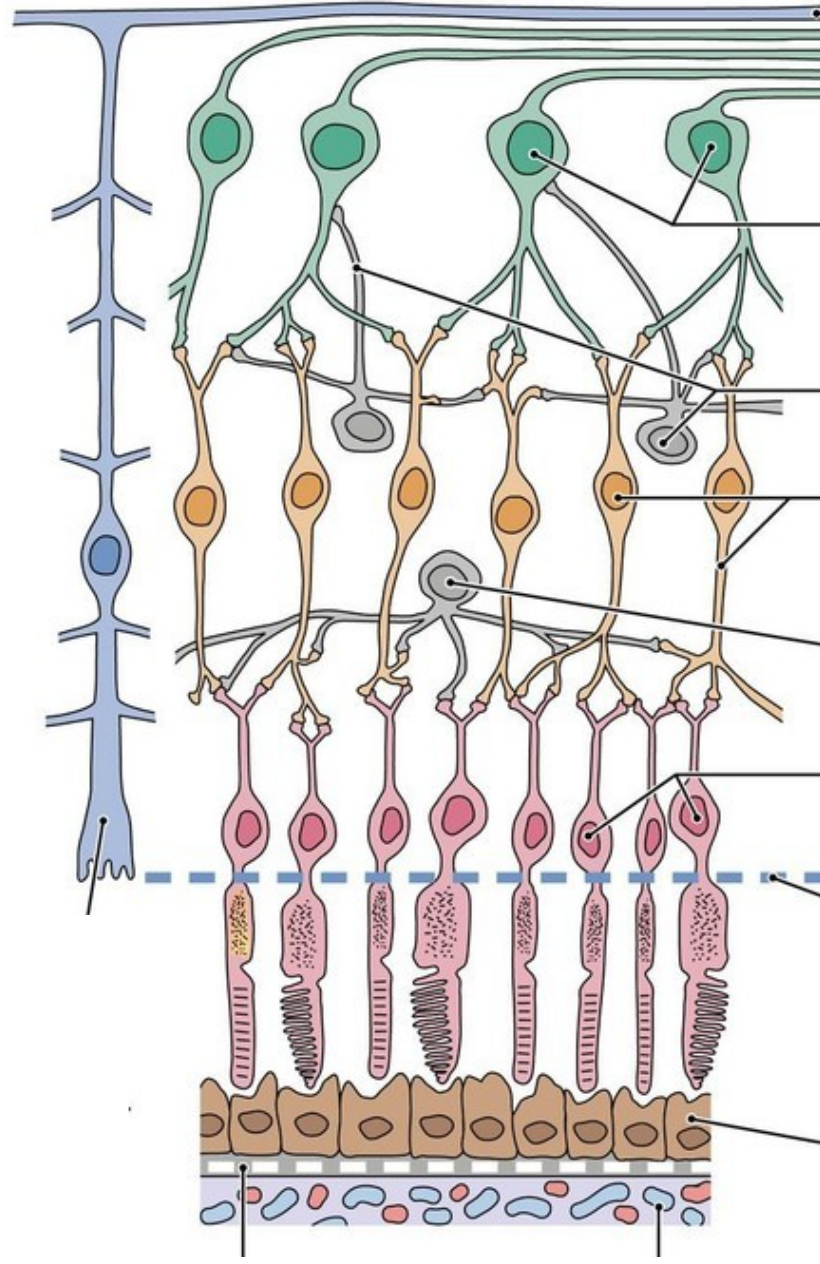
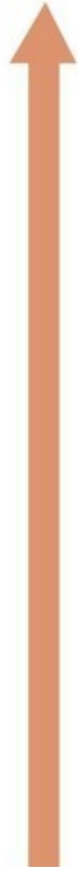


RETINA

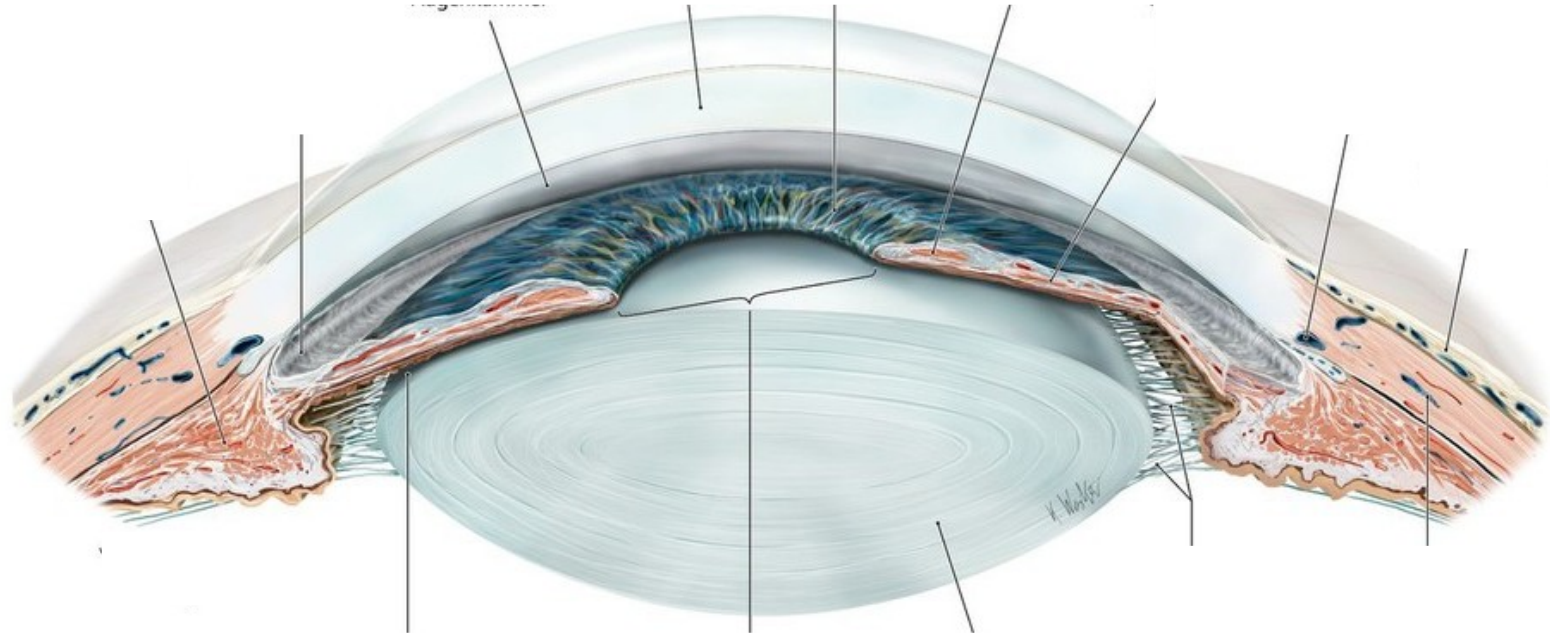
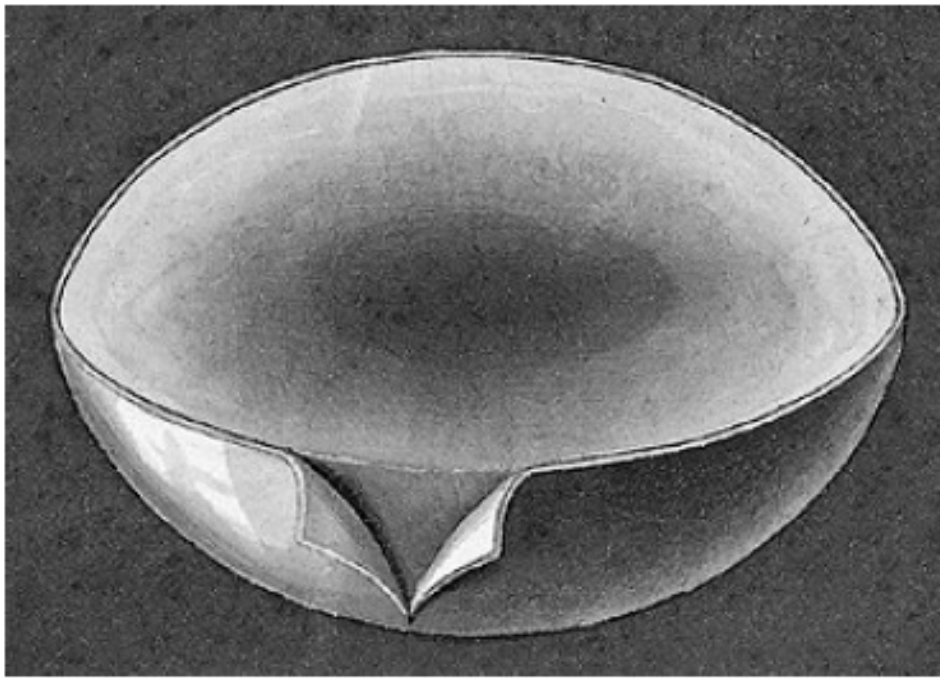


FUNDUS OCULI

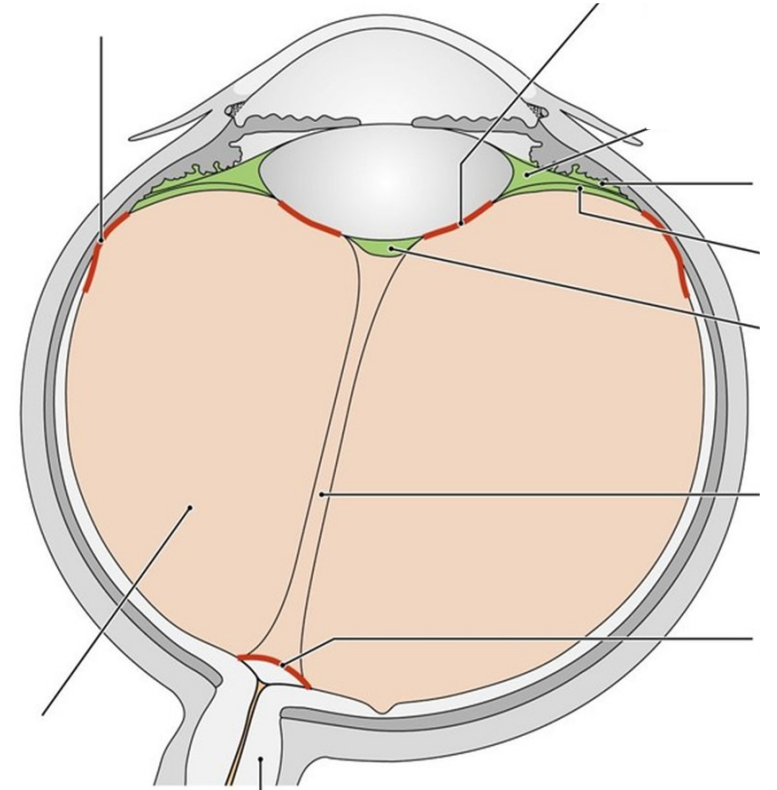
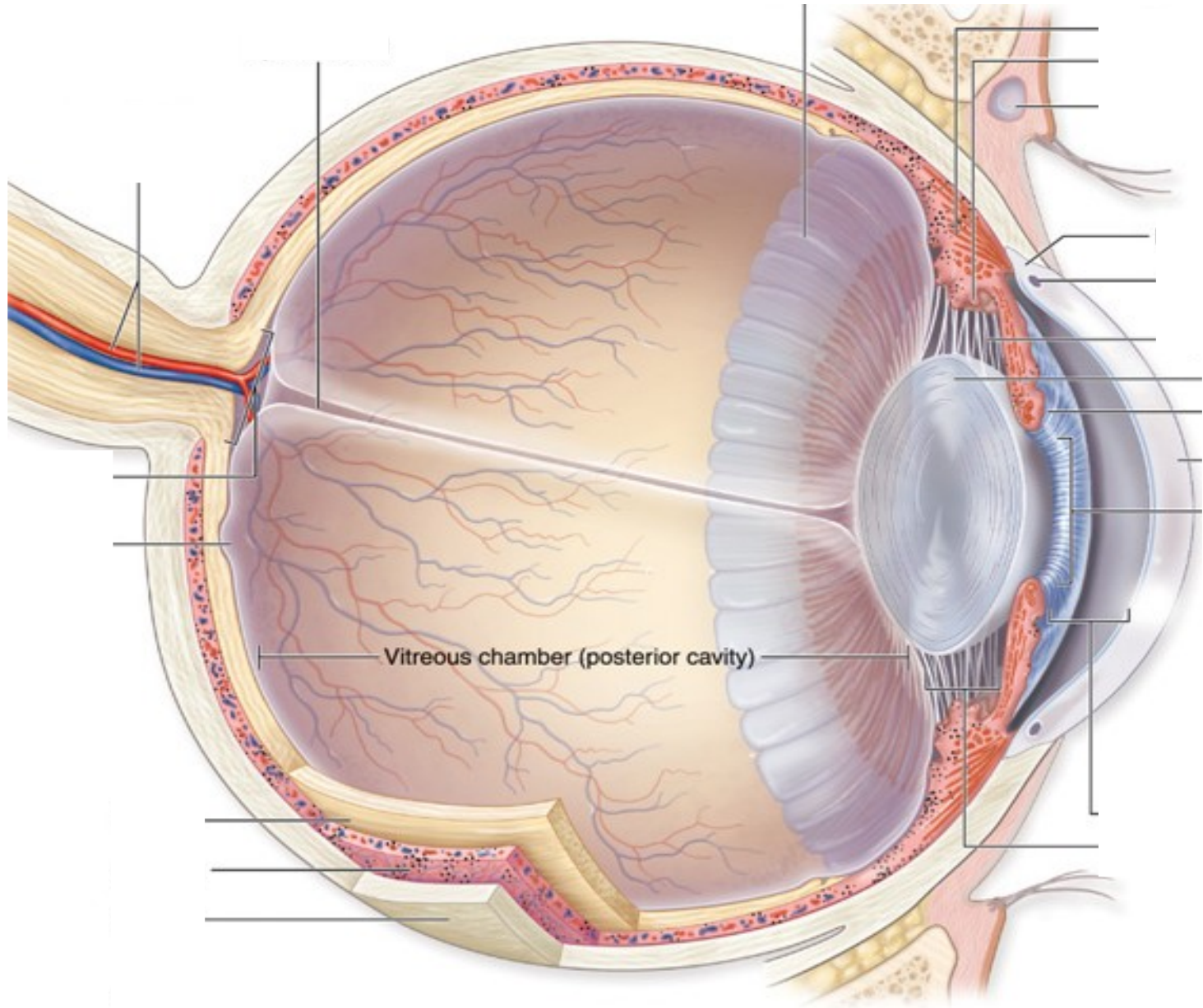




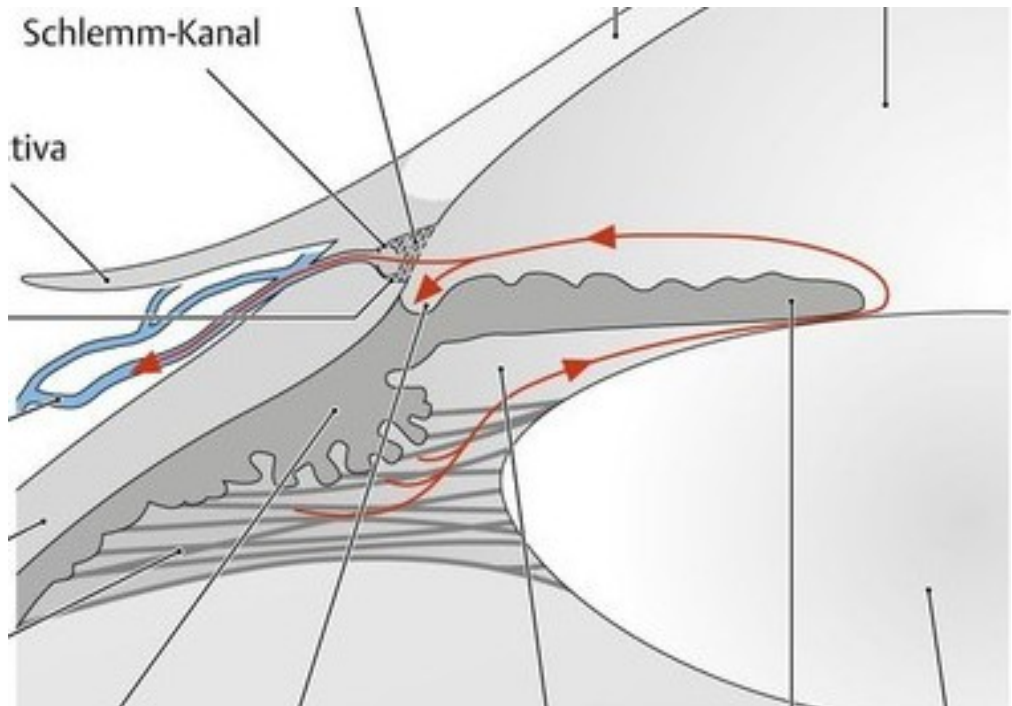
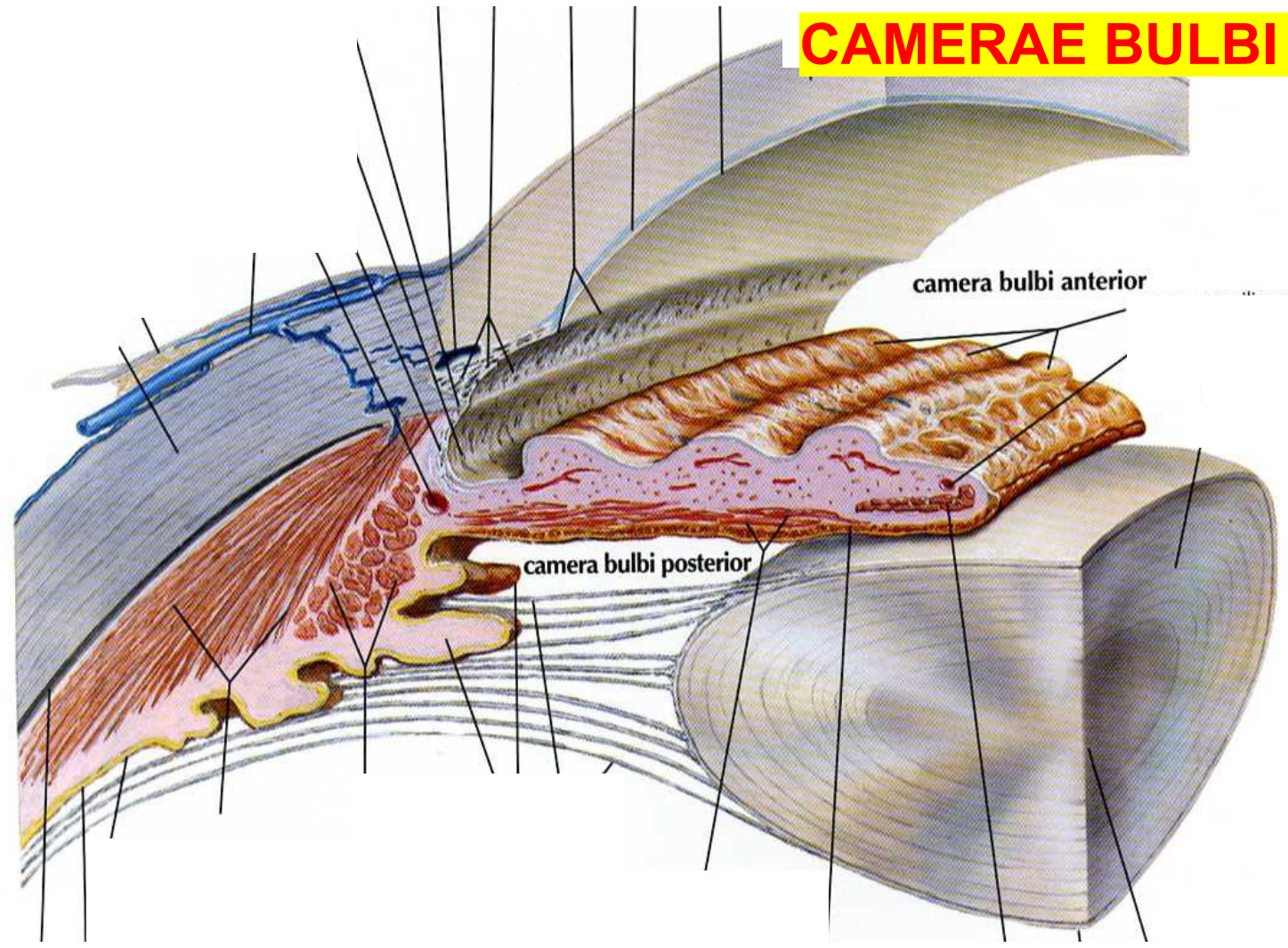
LENS



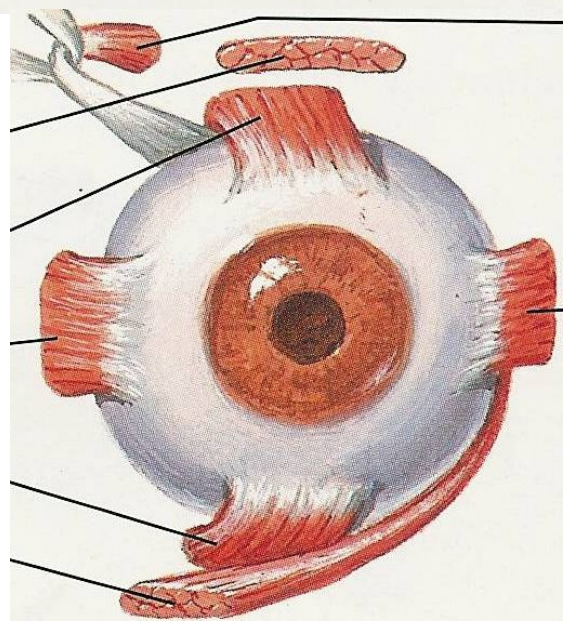
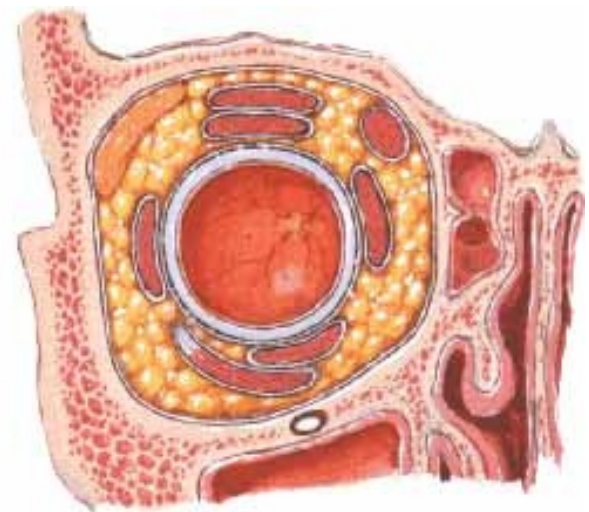
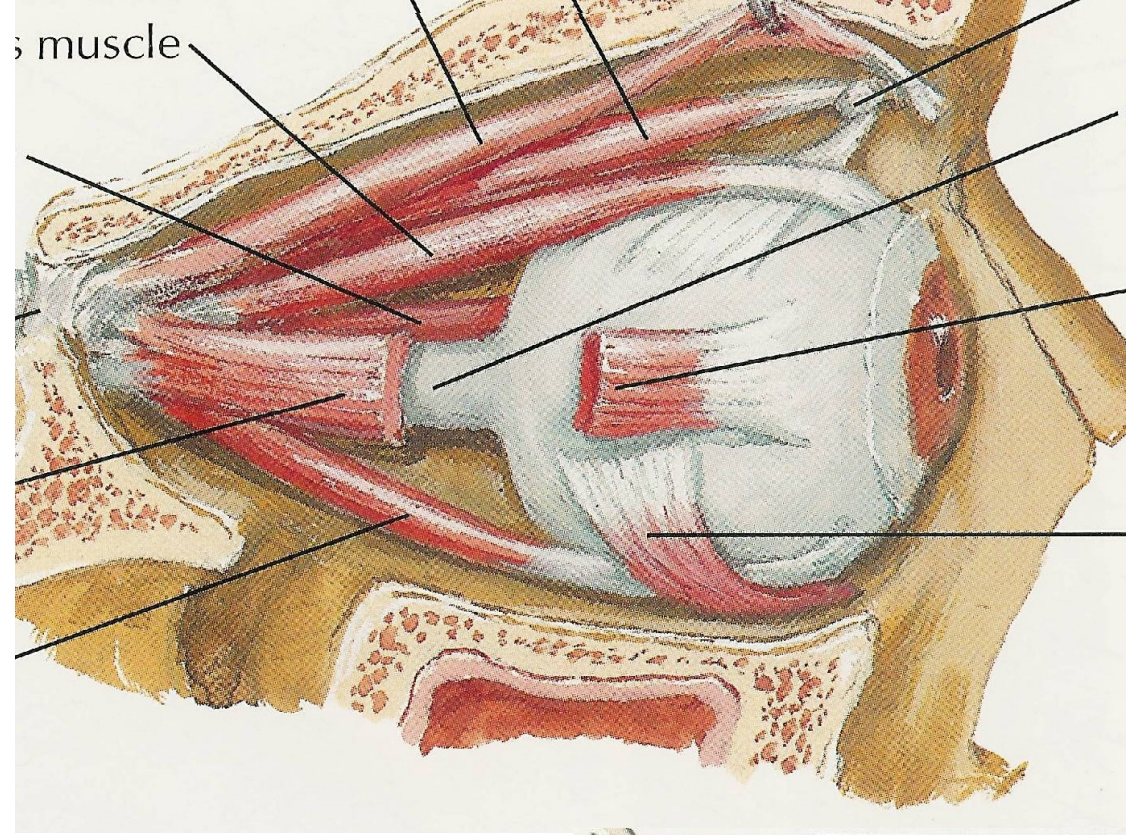
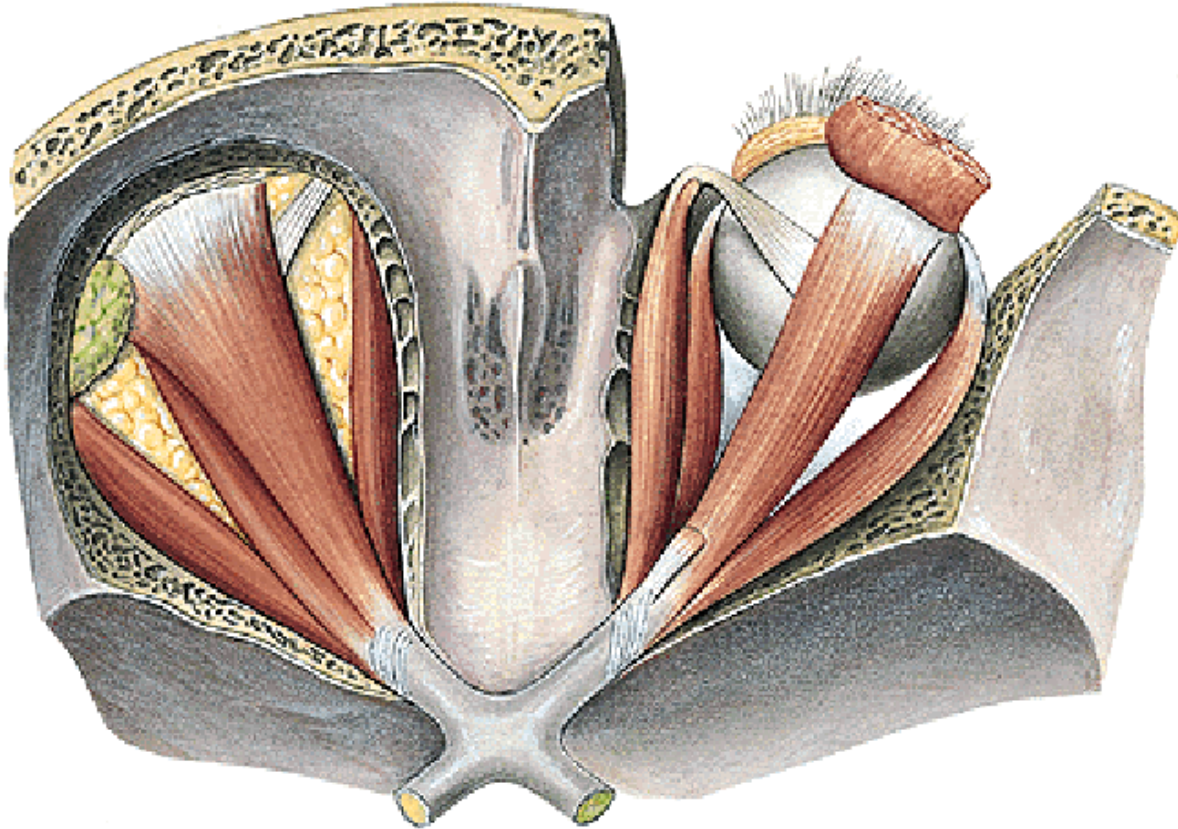
CORPUS VITREUM



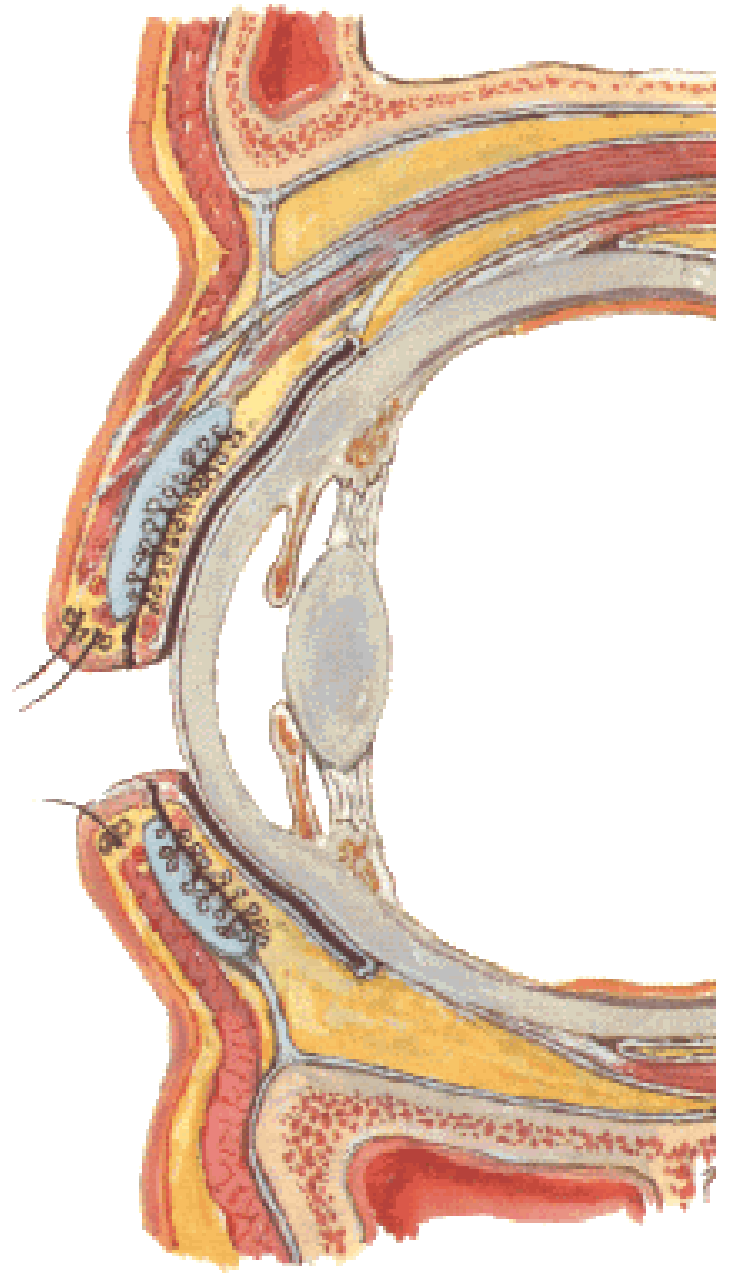
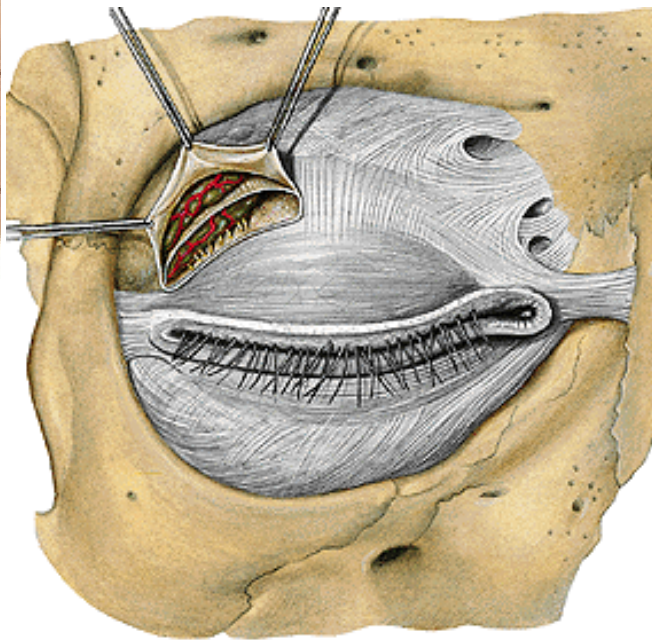
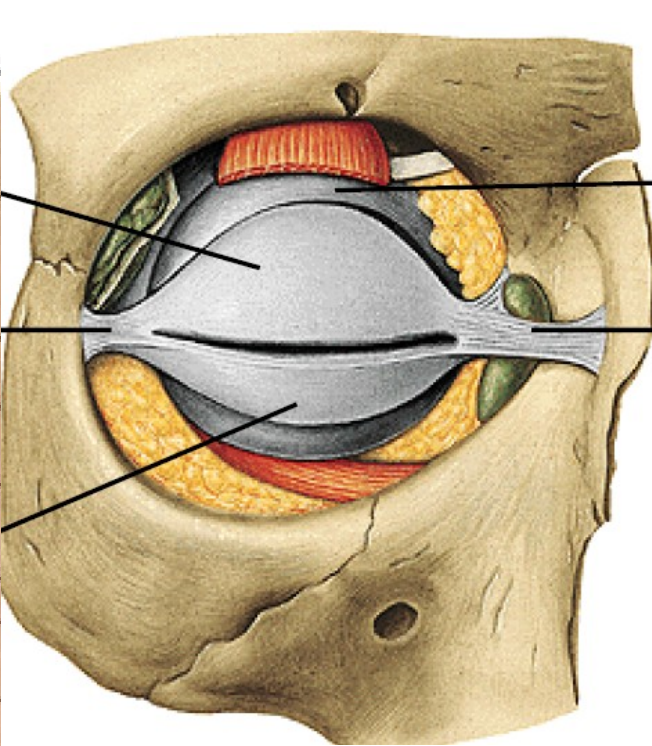
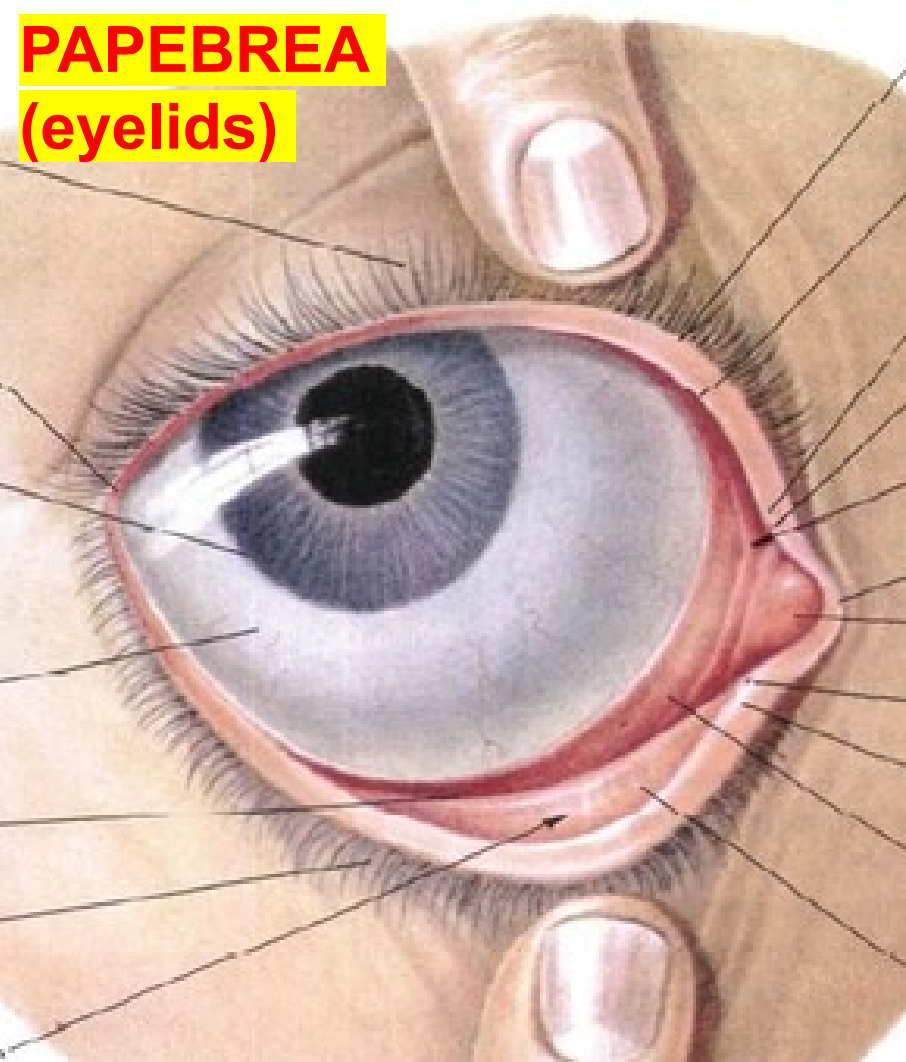
CAMERAE BULBI



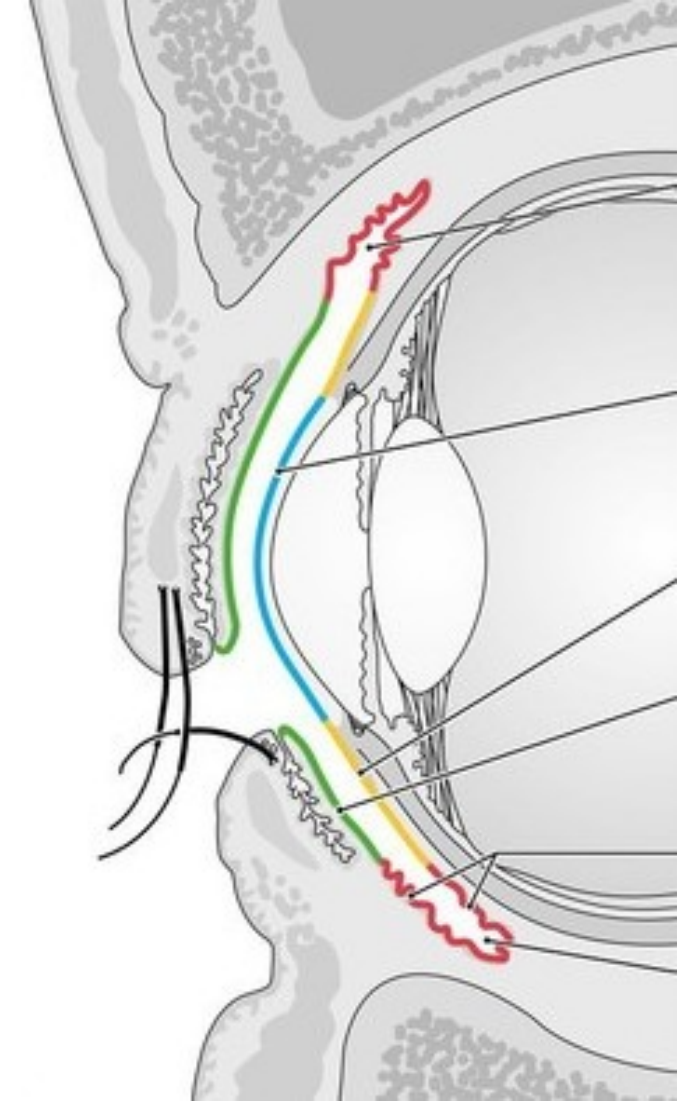
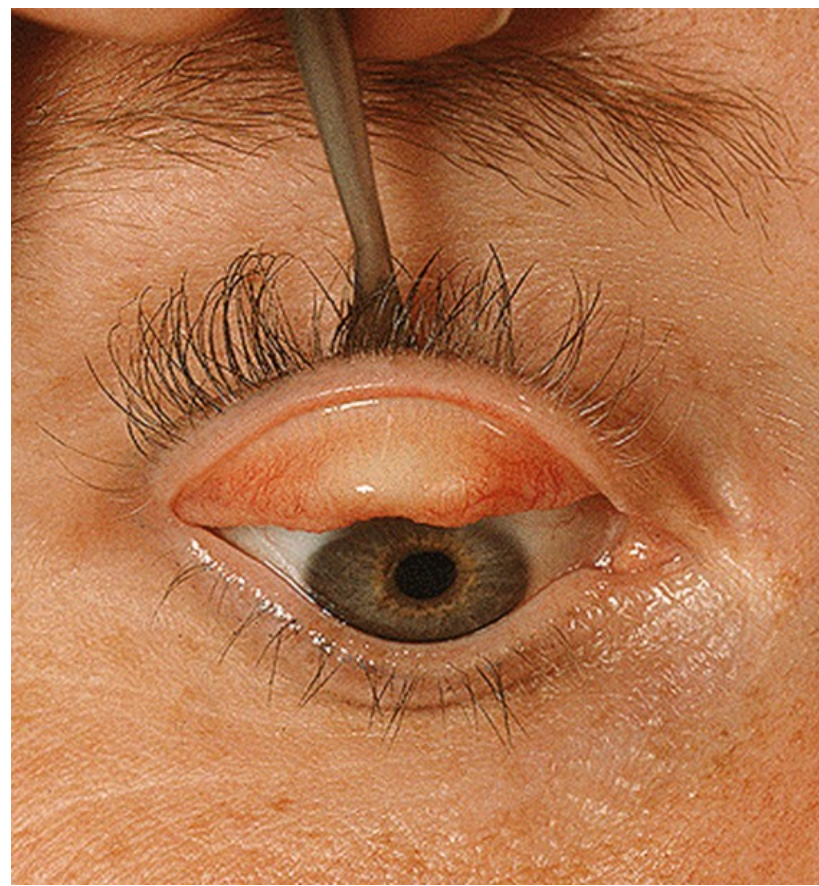
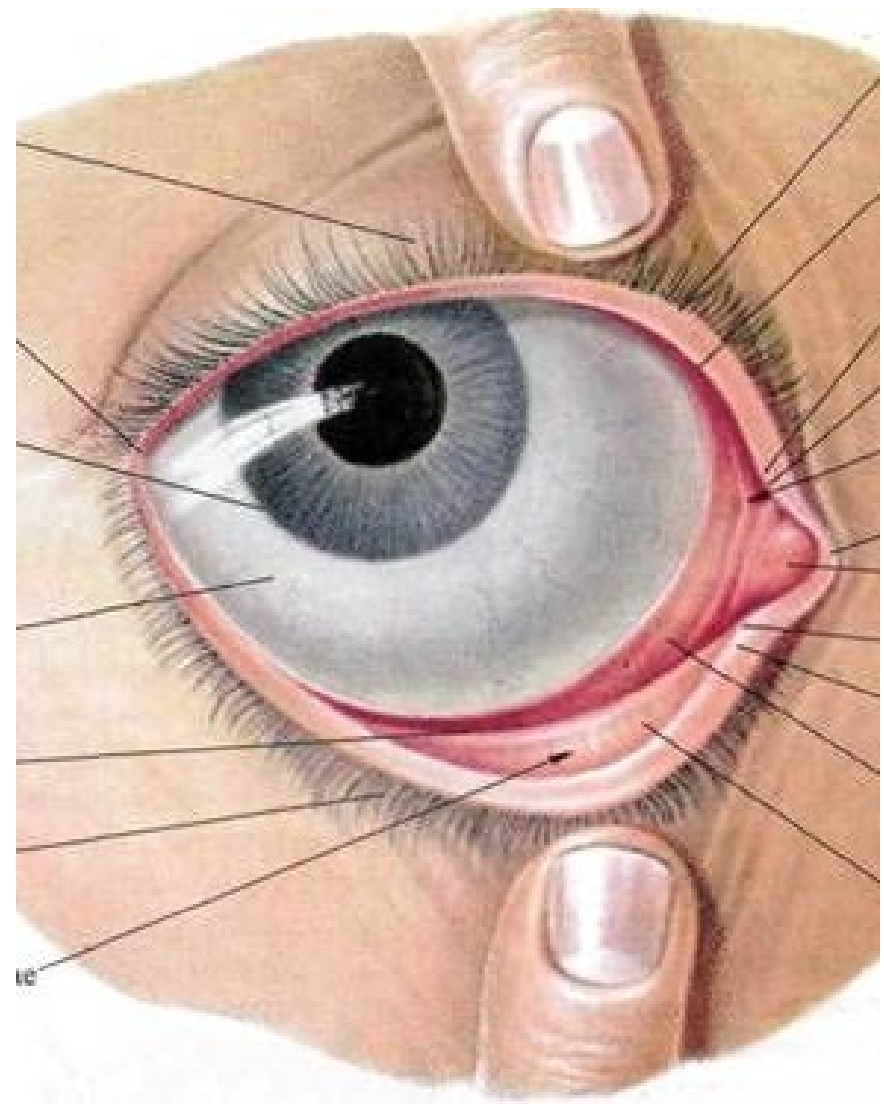
MM. BULBI



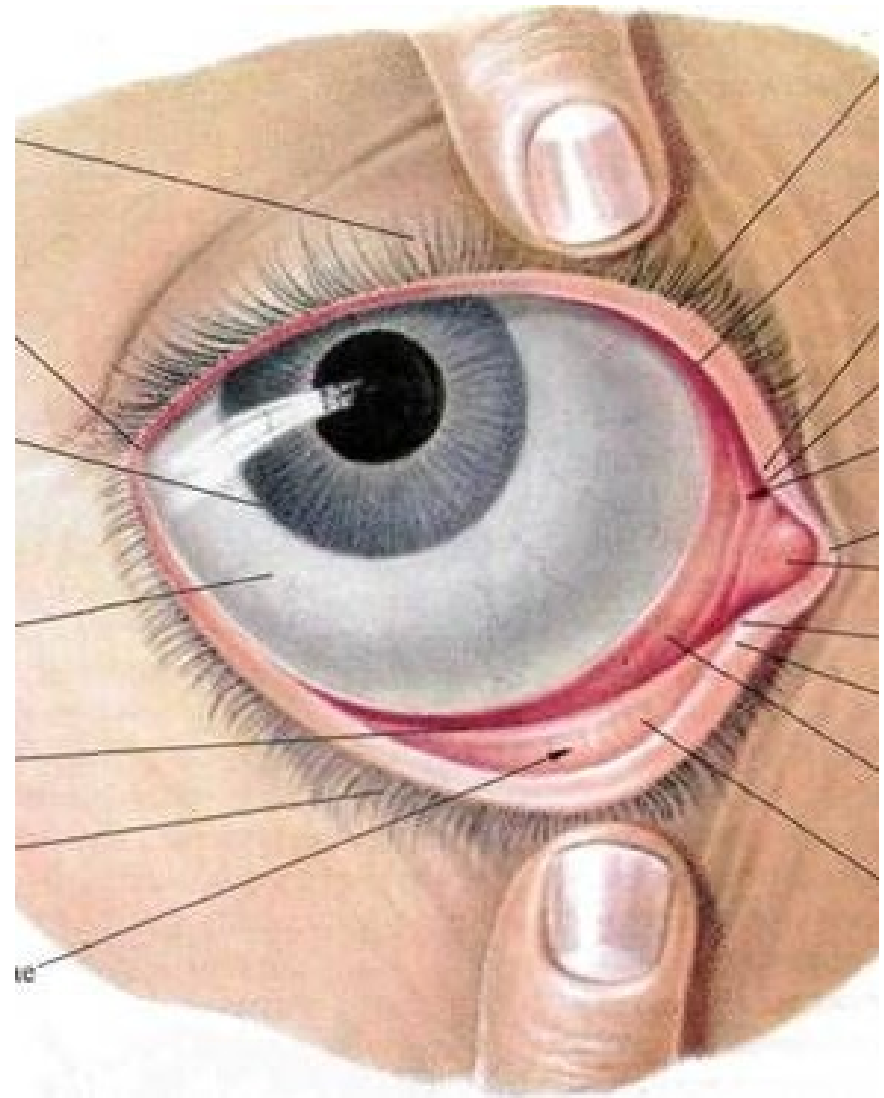
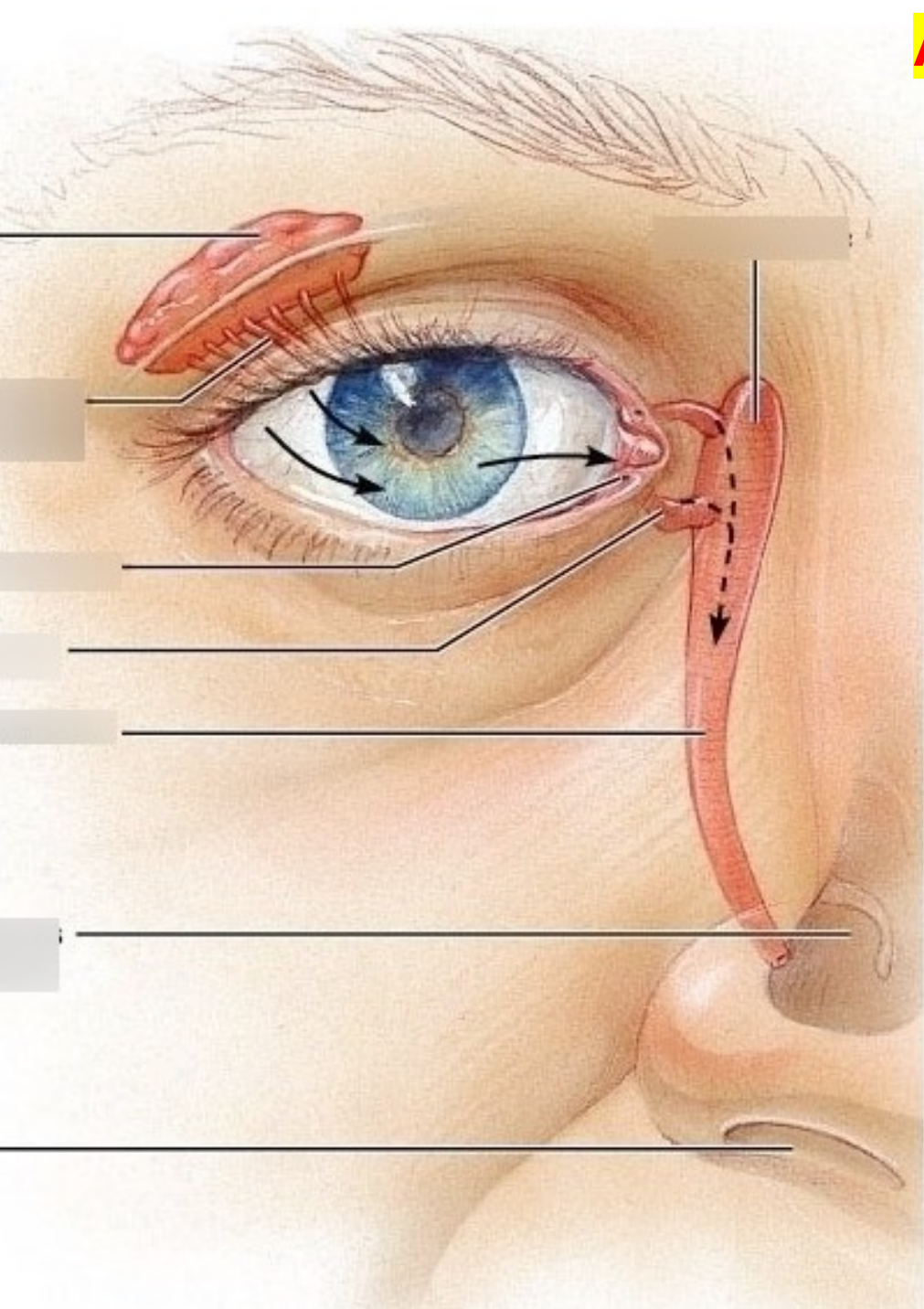
PAPEBREA
(eyelids)



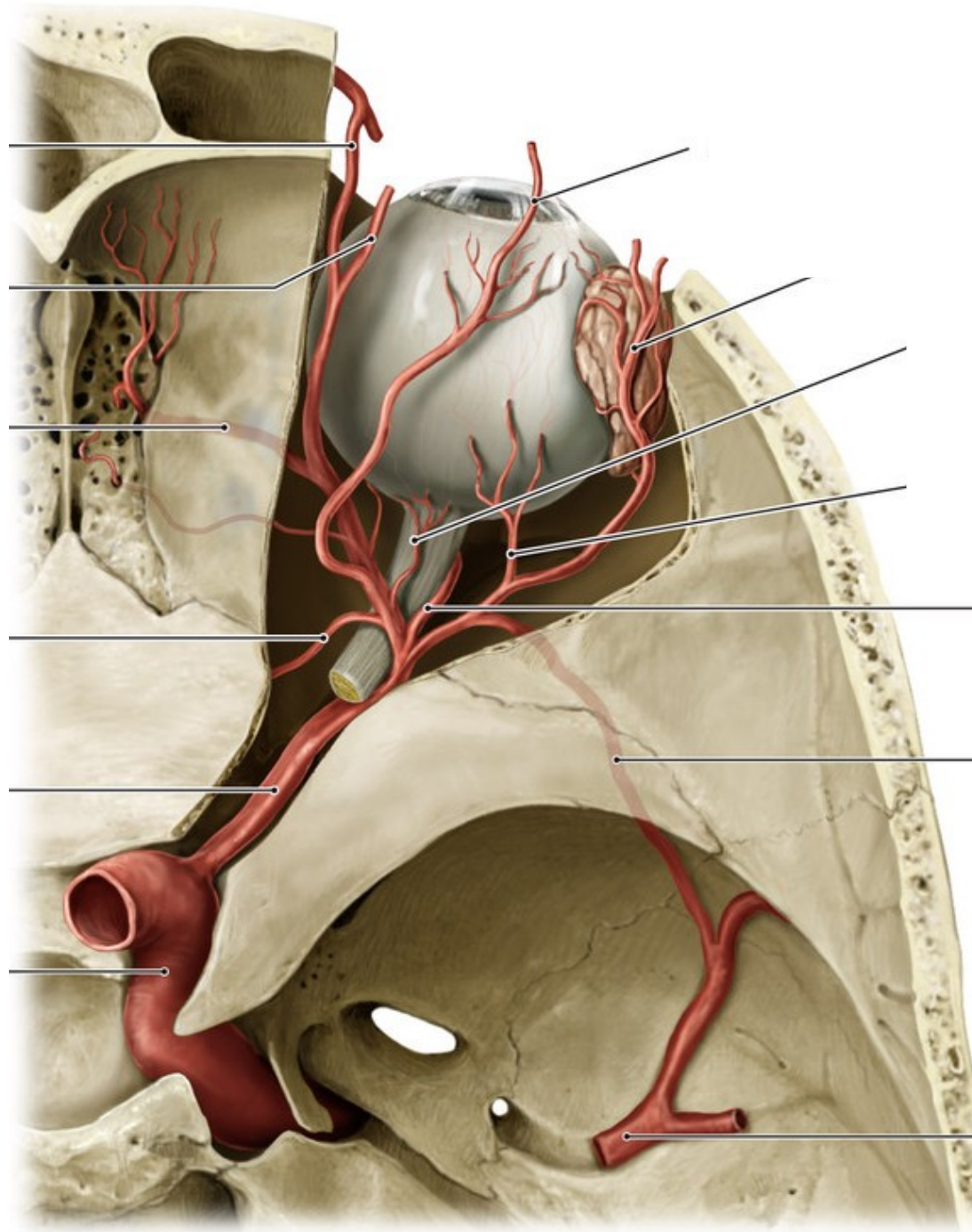
TUNICA CONJUNCTIVA



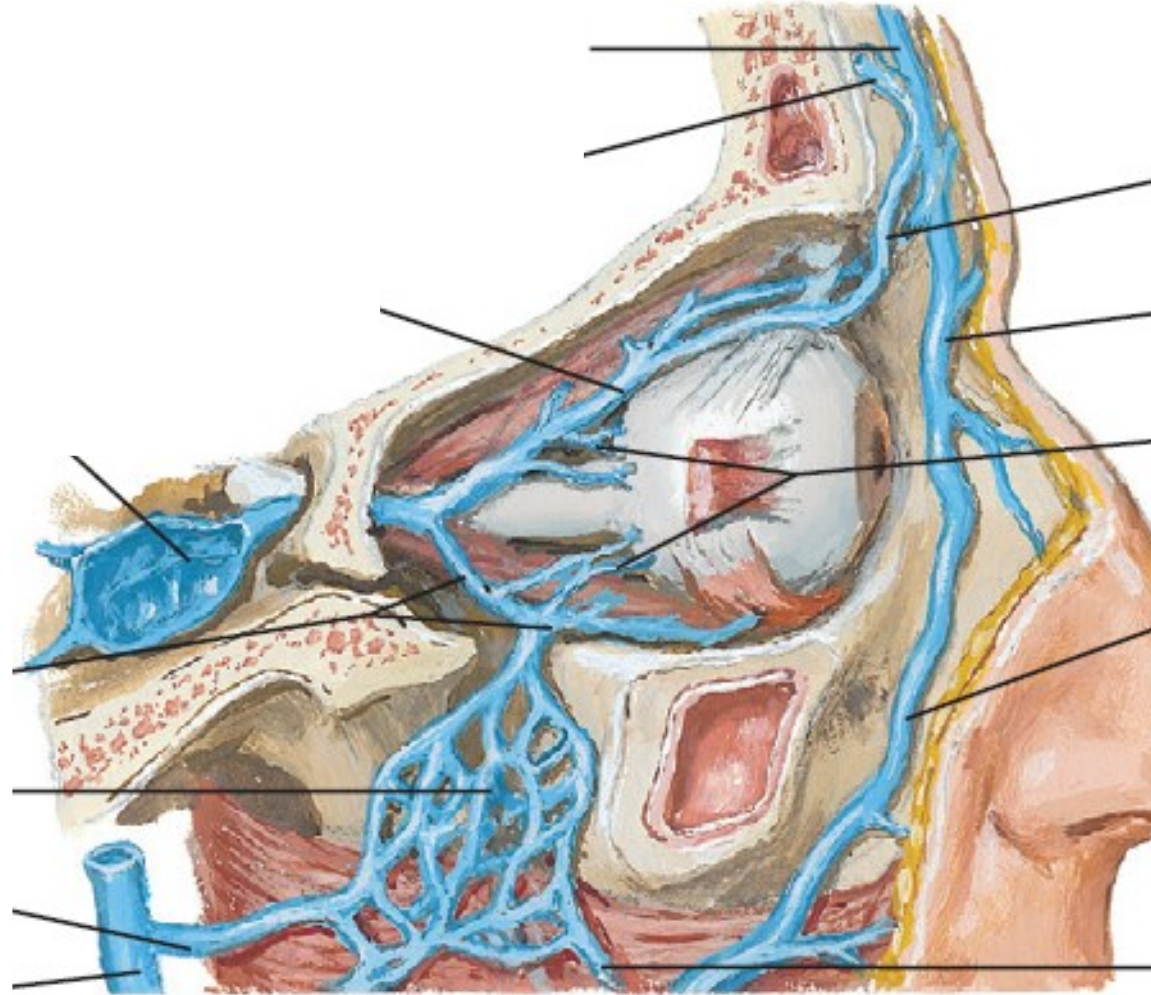
APARATUS LACRIMALIS



ARTERIA OPHTHALMICA

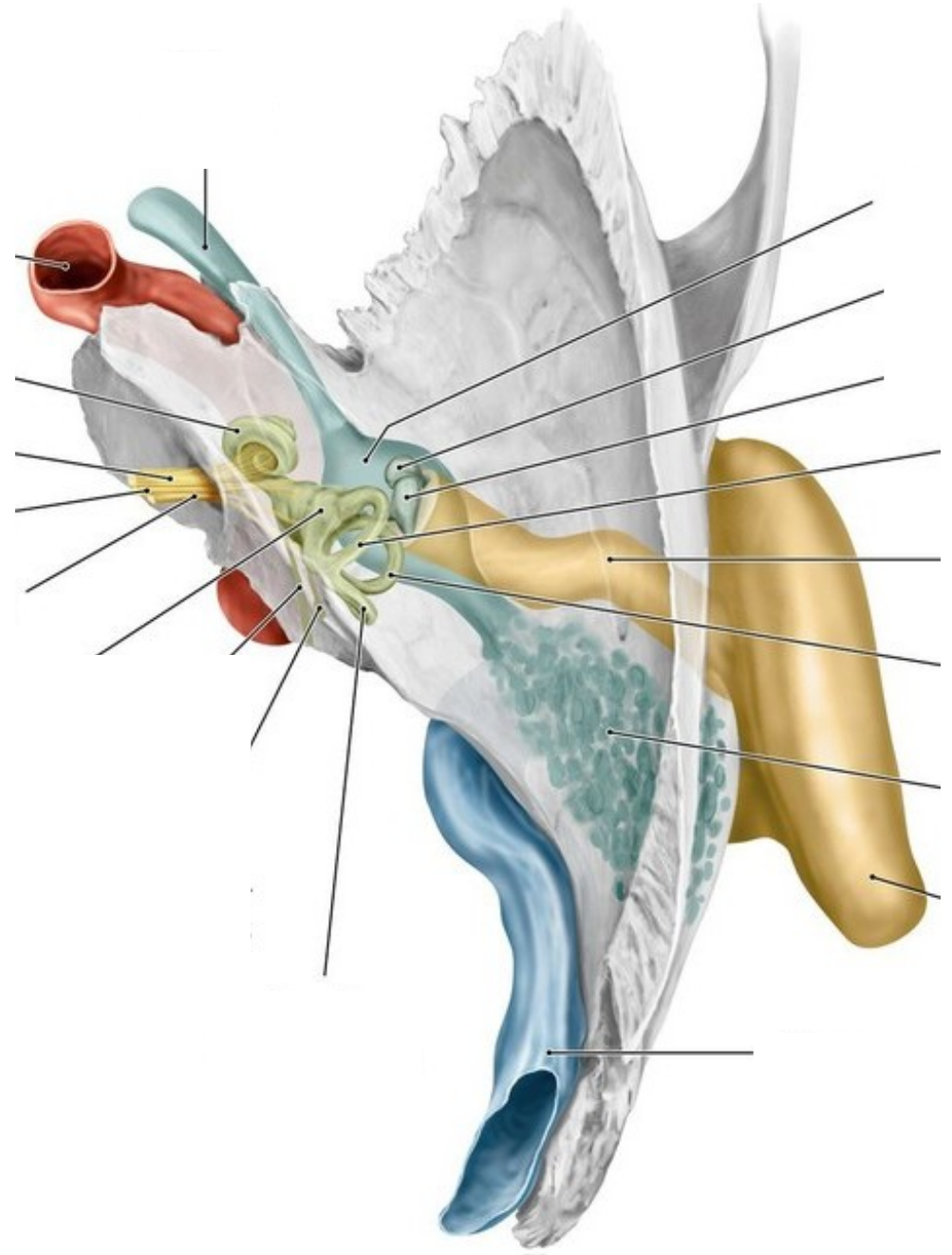
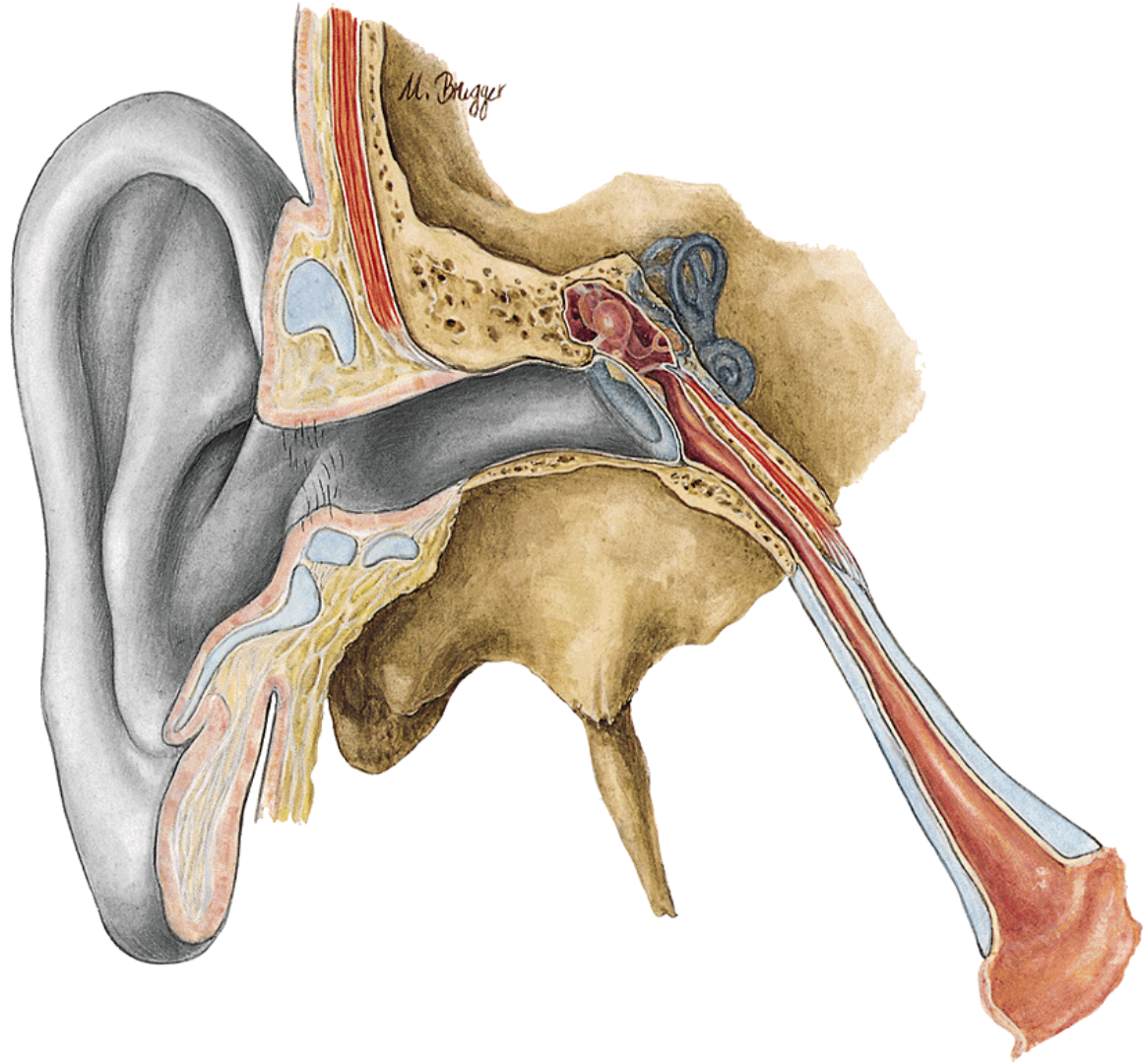


VENAE OPHTHALMICAE



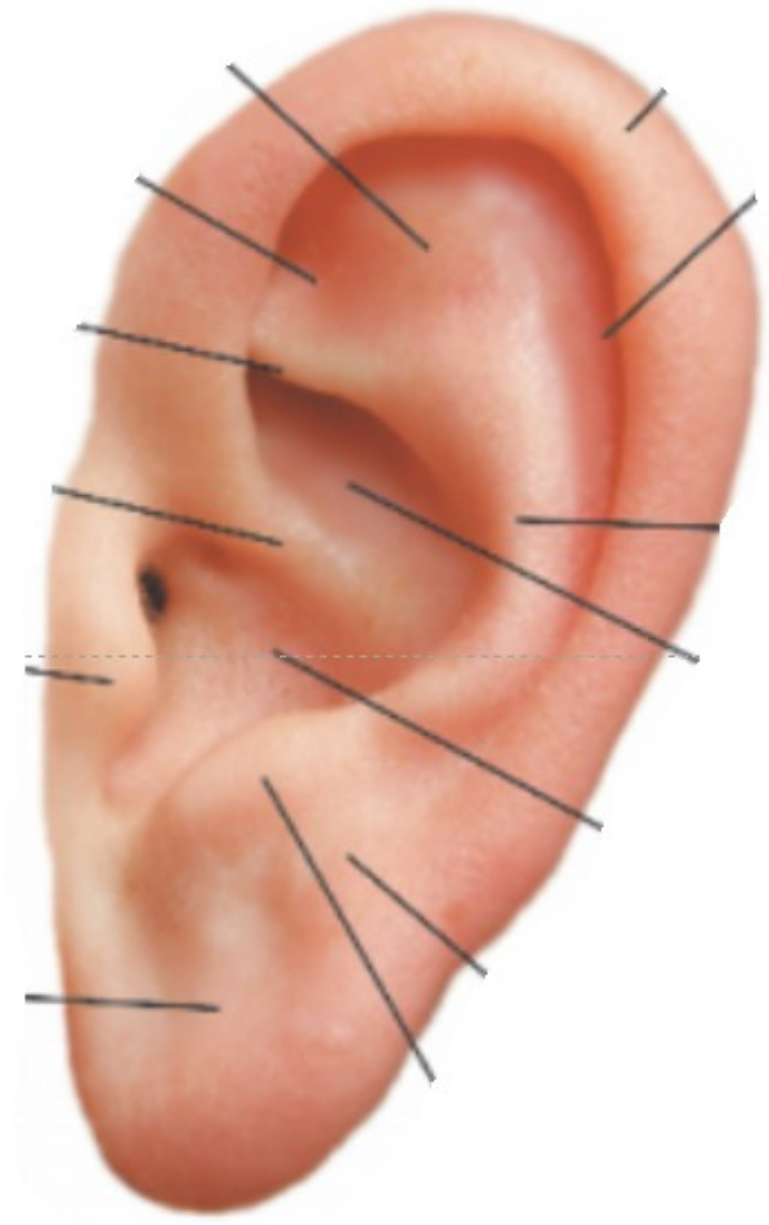
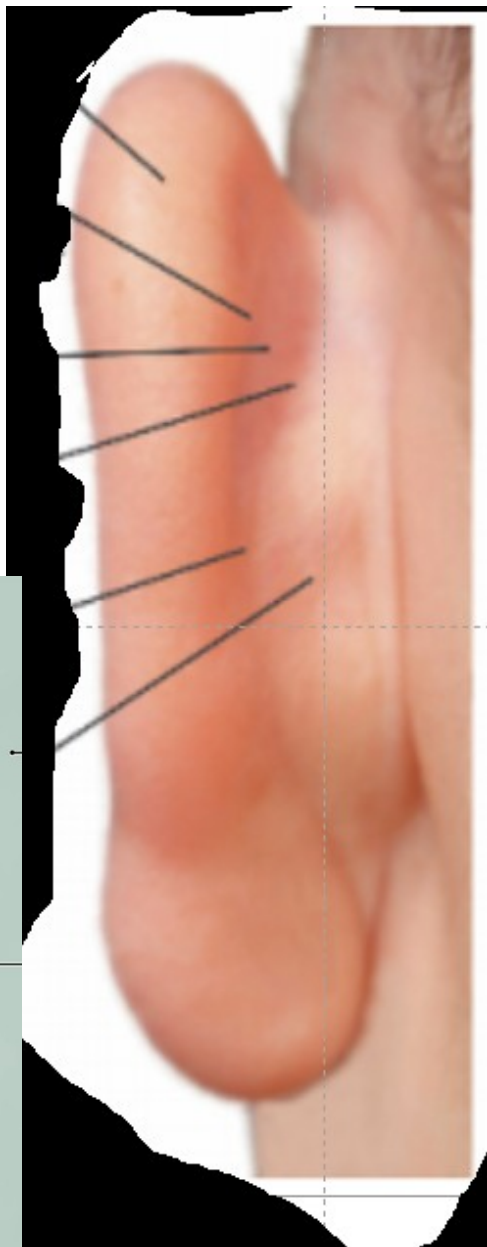
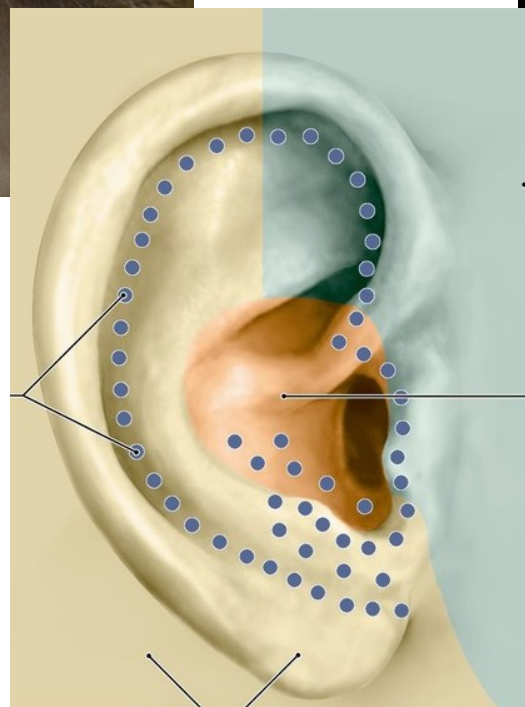
Organum vestibulocochleare



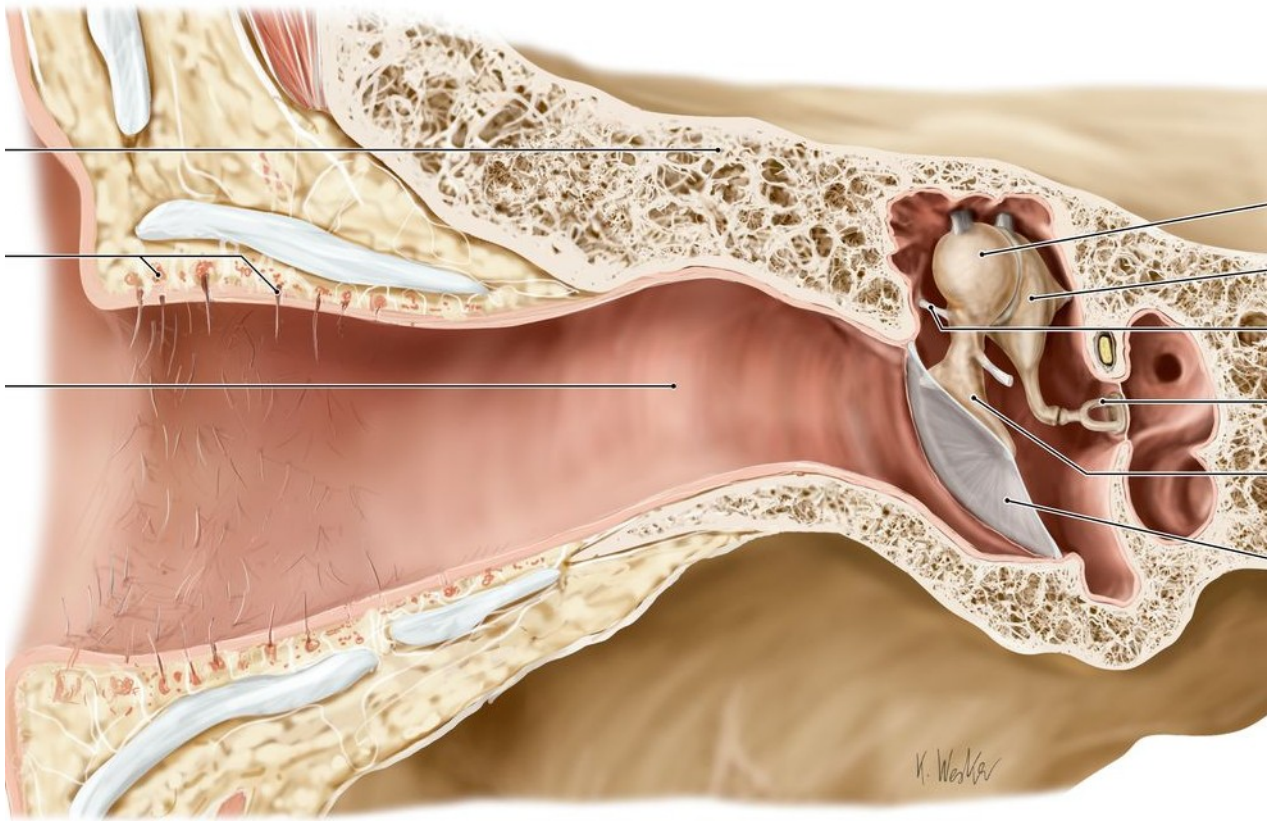


A. AURIS EXTERNA

1. Auricula

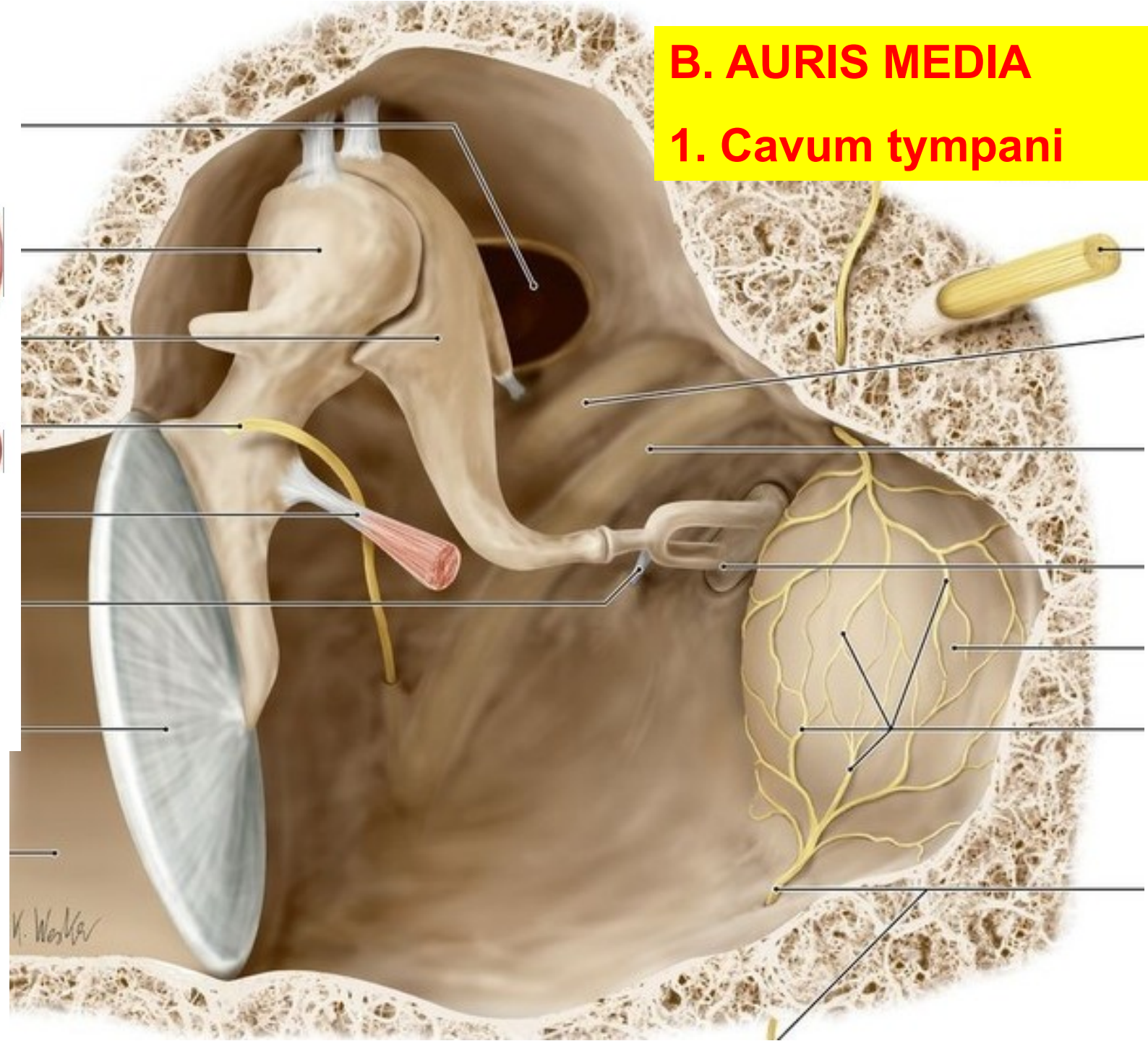
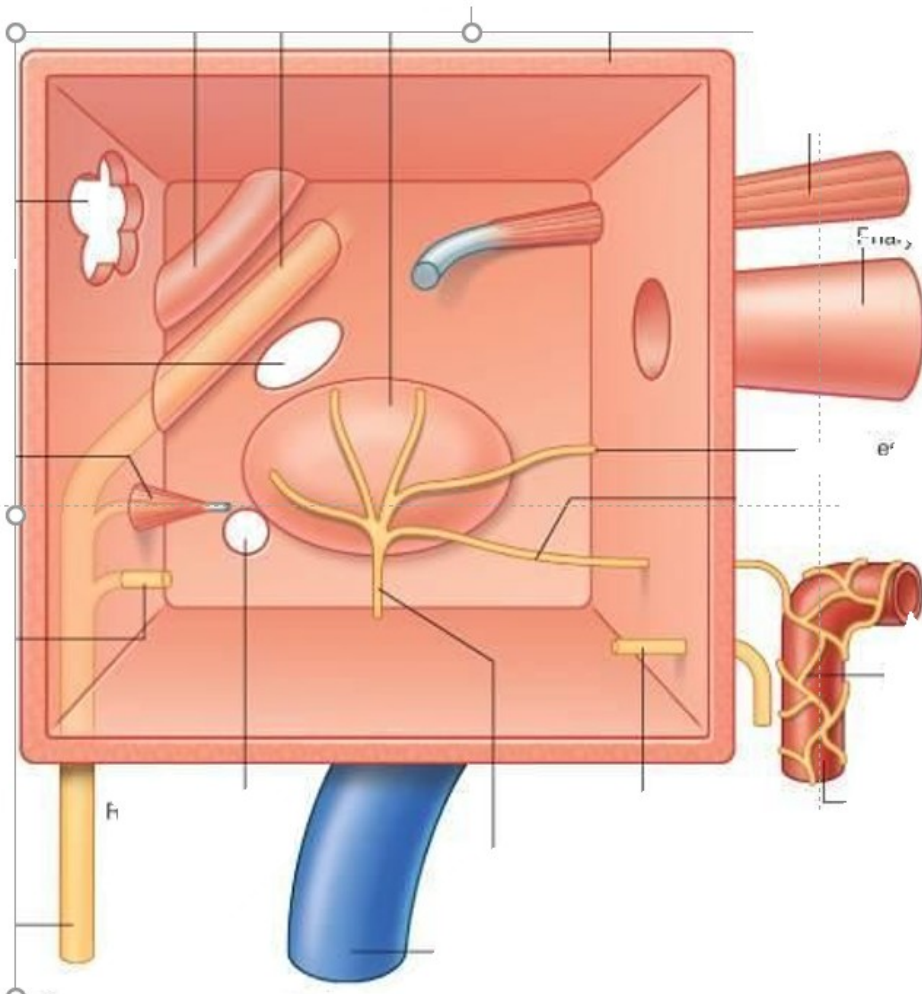


2. Meatus acusticus ext.

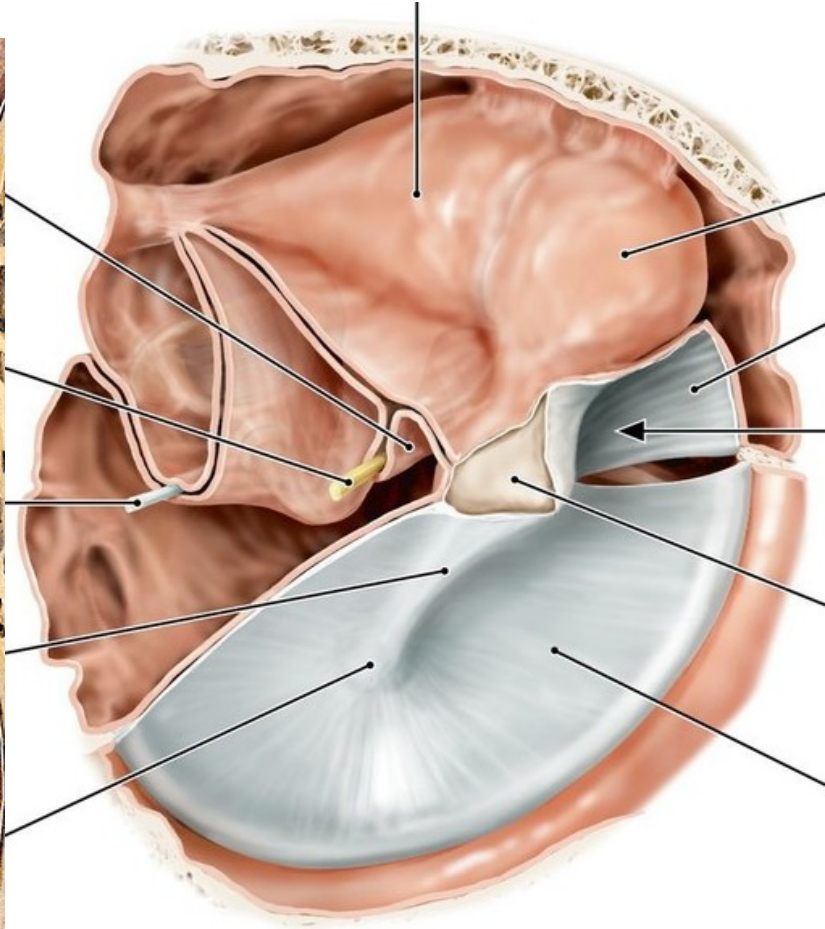
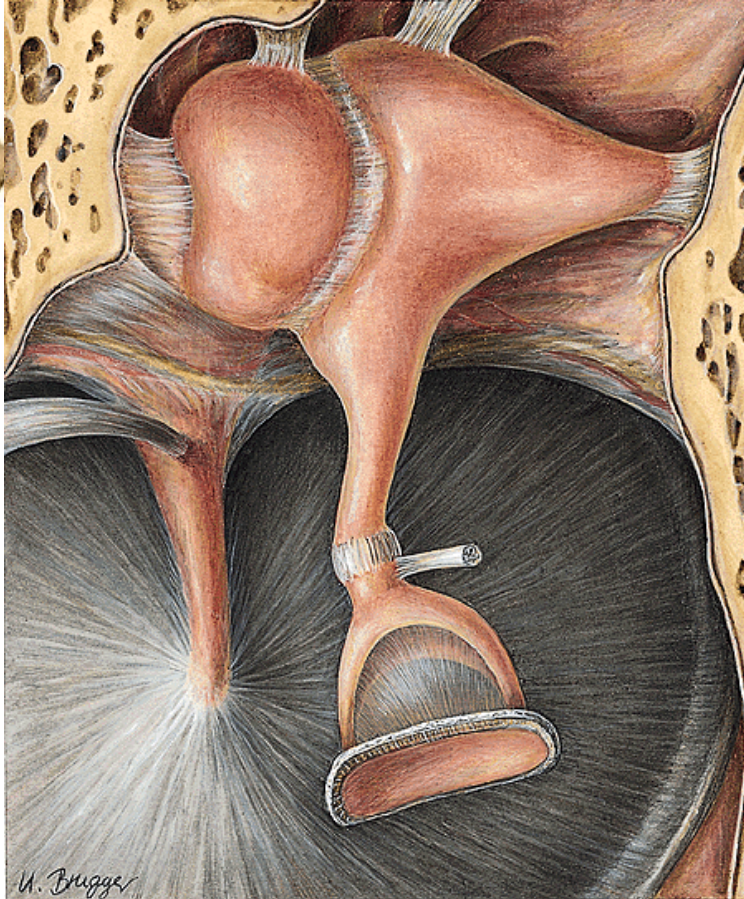
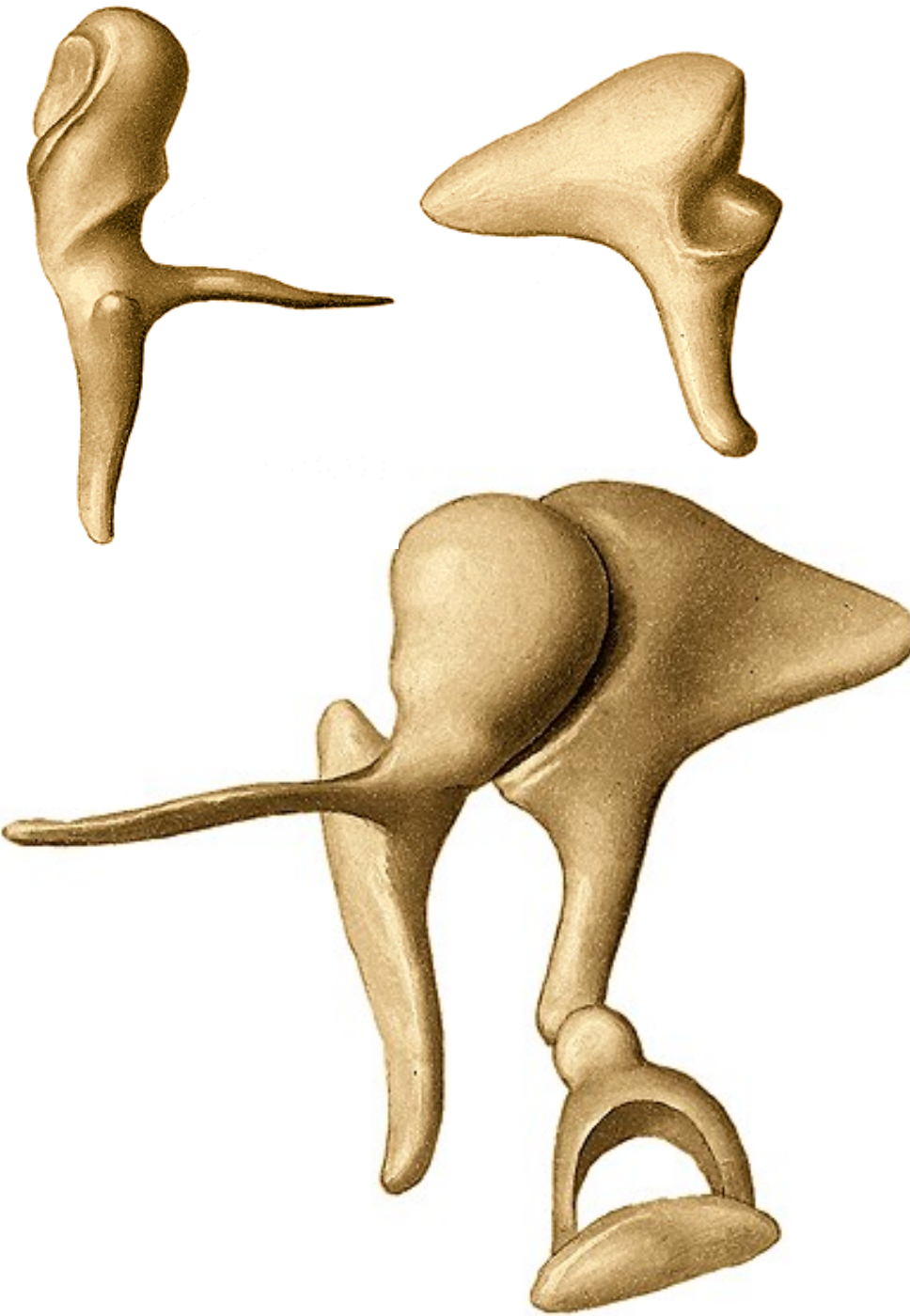


3. Membrana tympani

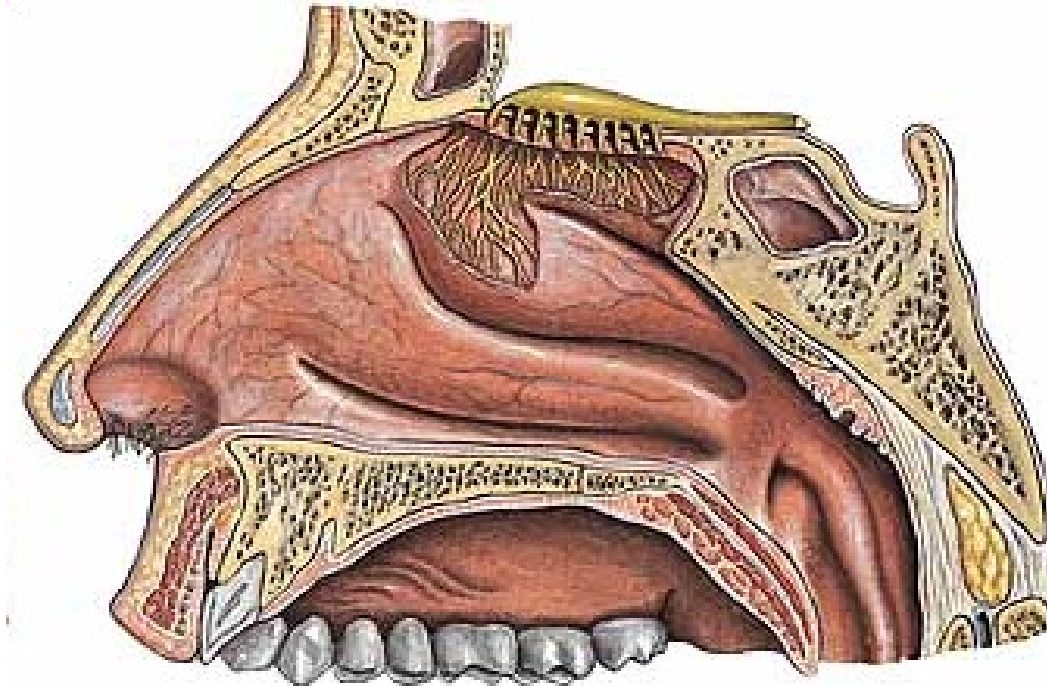
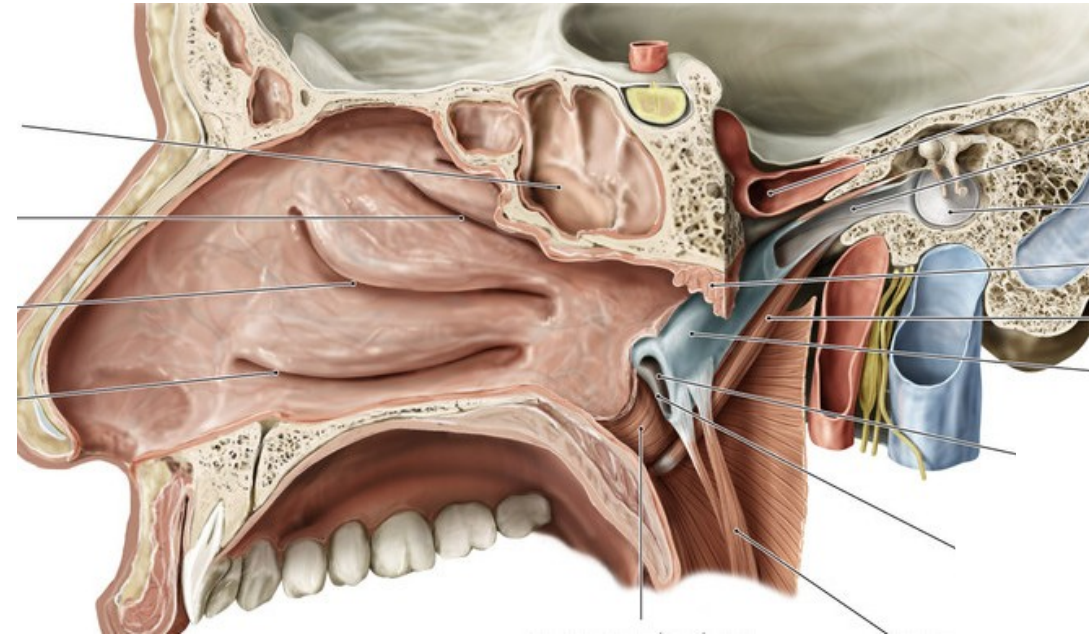
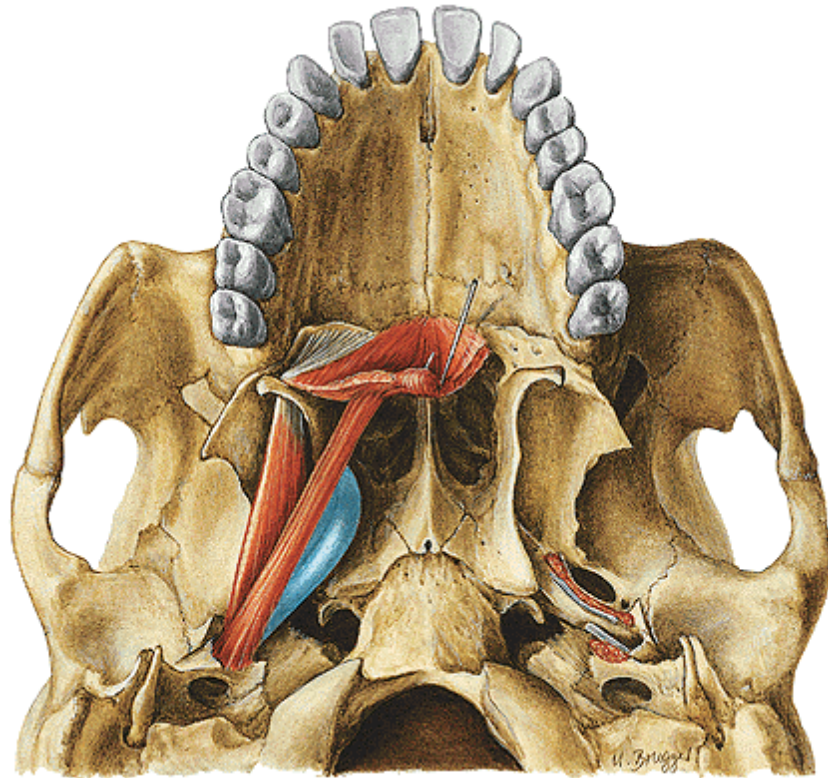
B. AURIS MEDIA
1. Cavum tympani



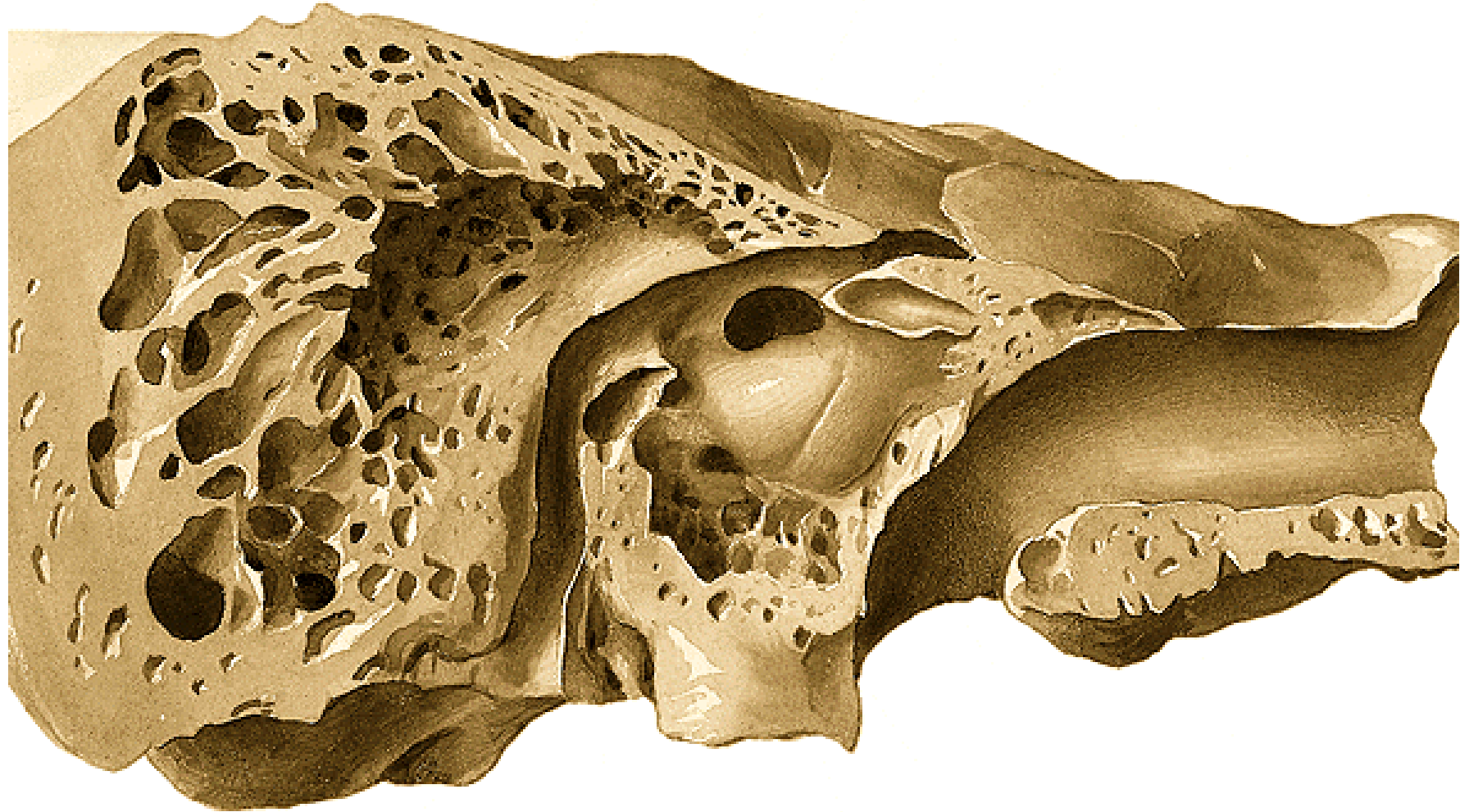
Ossicula auditus

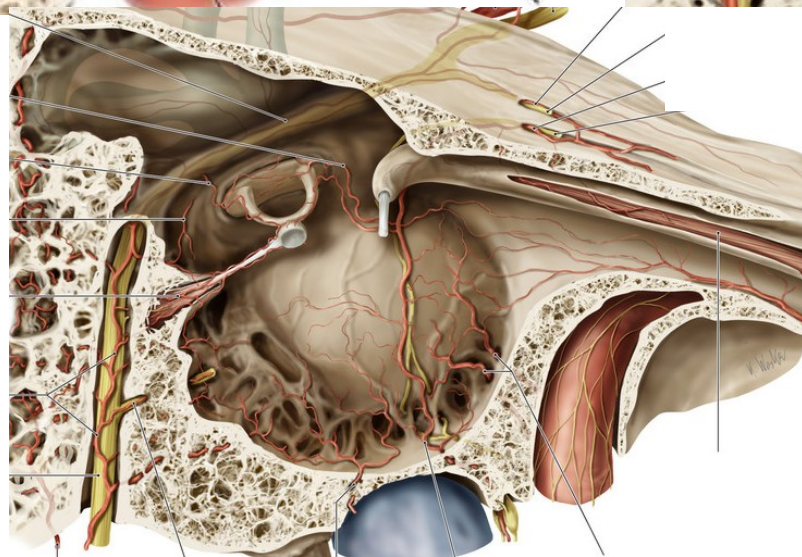
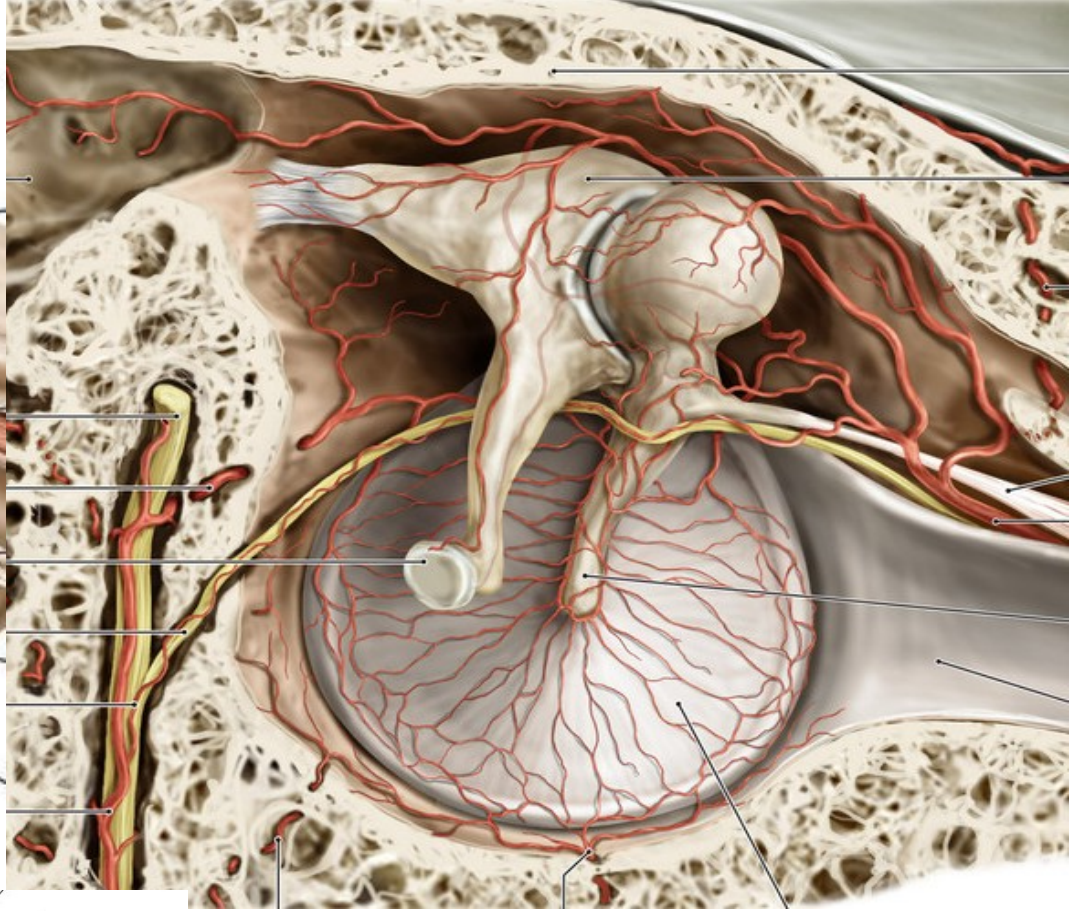
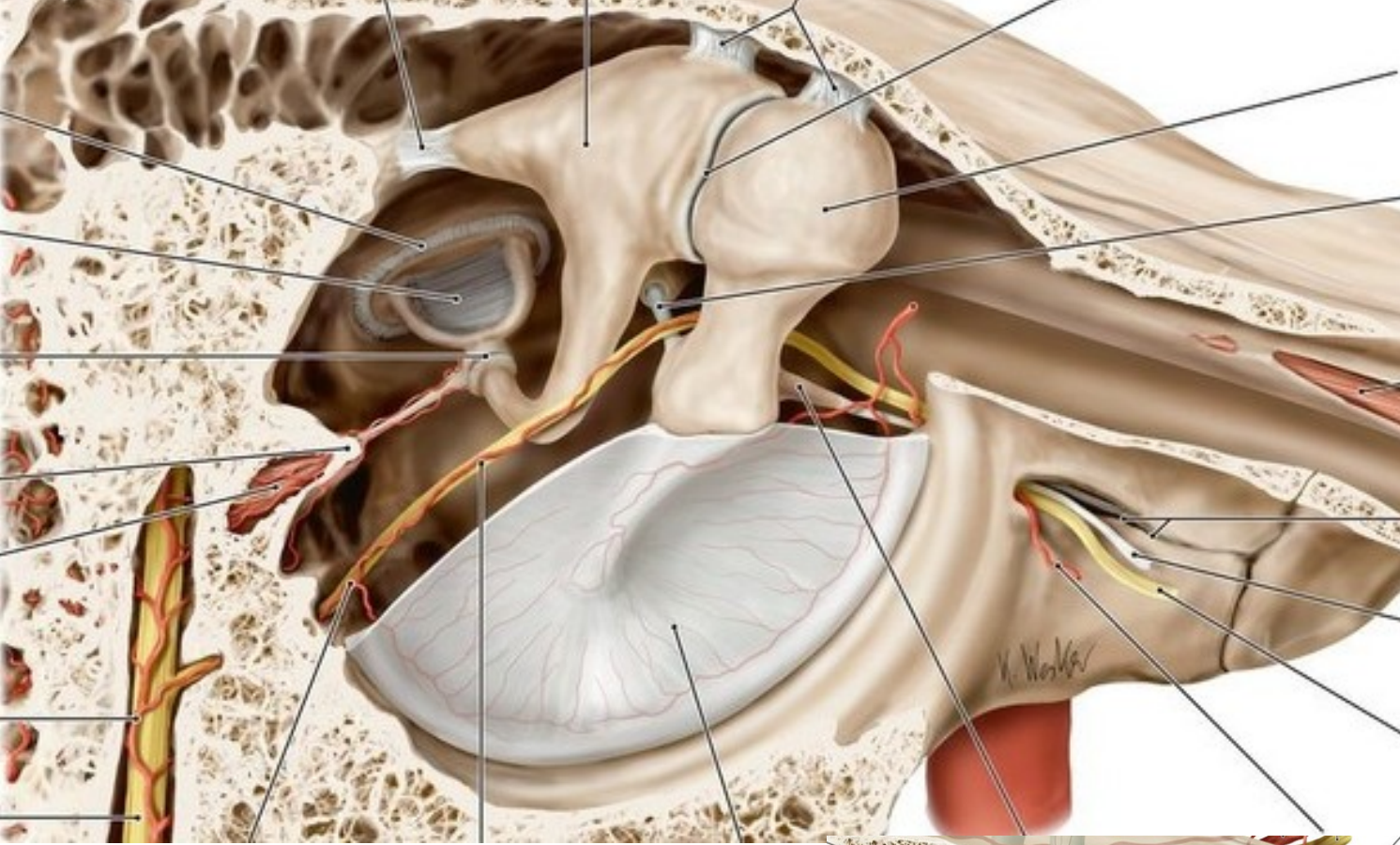


2. Tuba auditiva

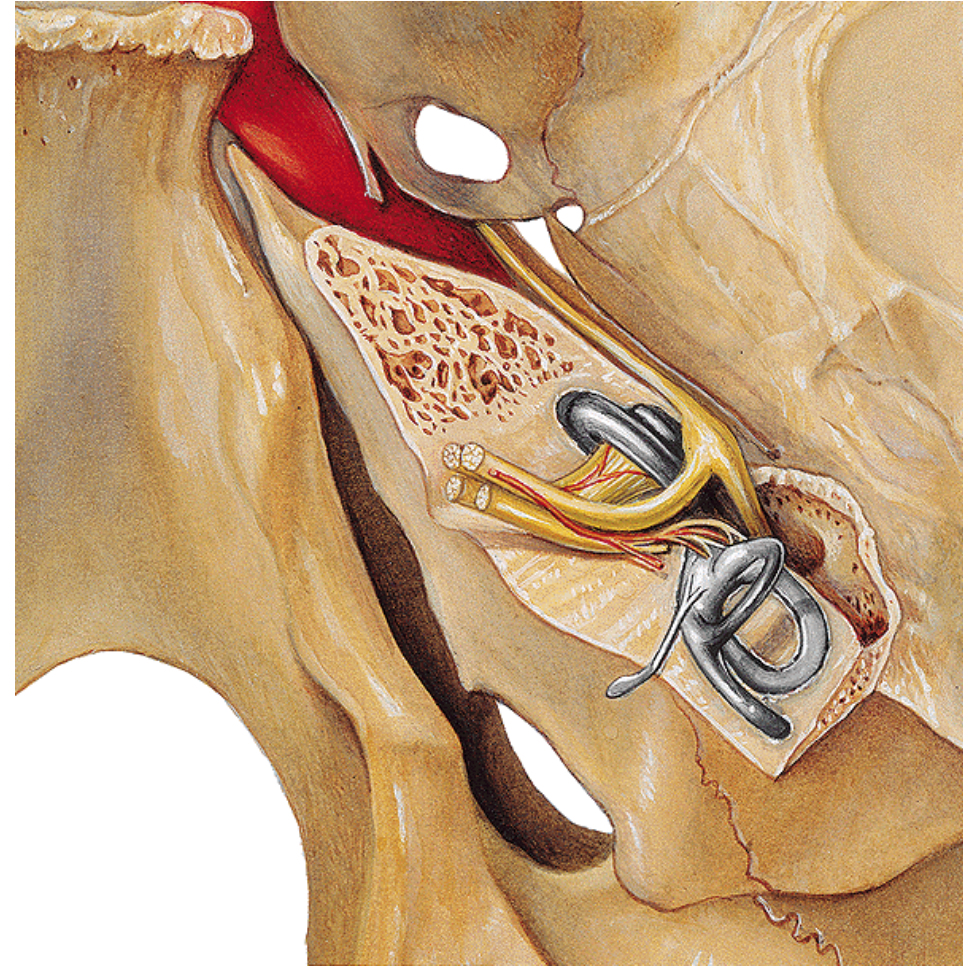


3. Cellulae mastoideae

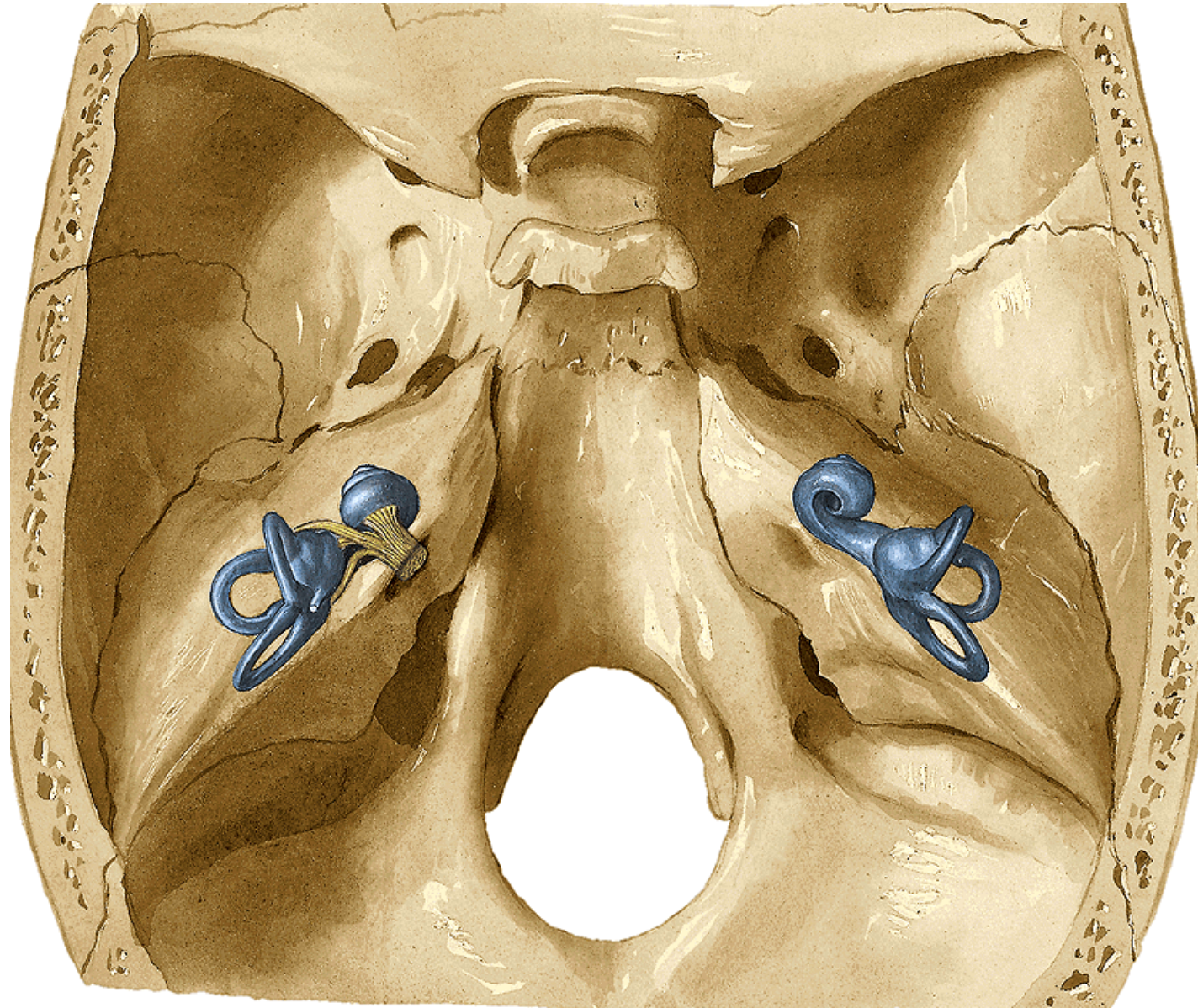




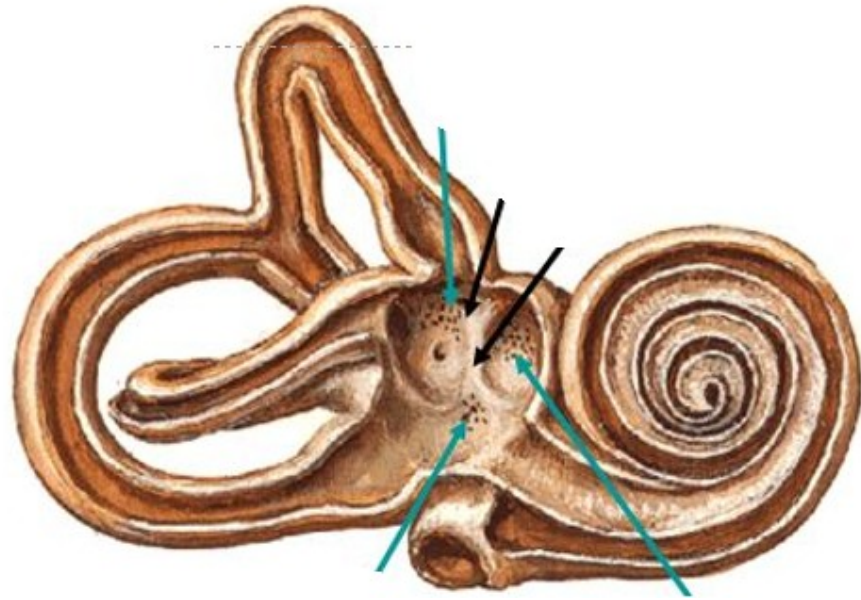
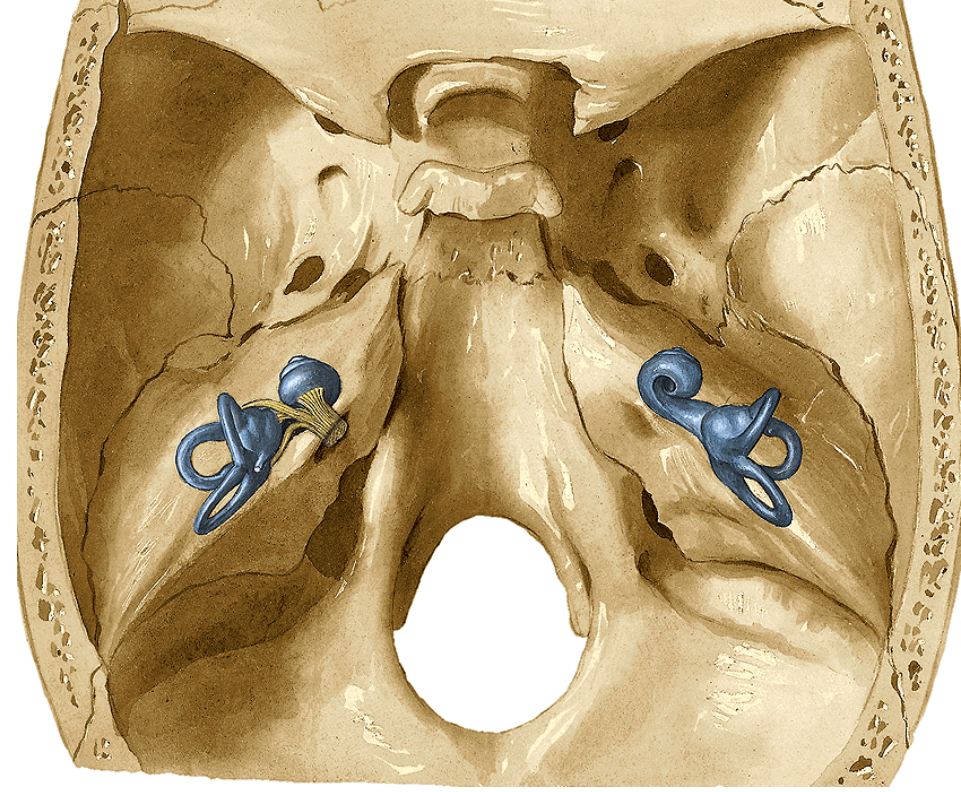
C. AURIS INTERNA



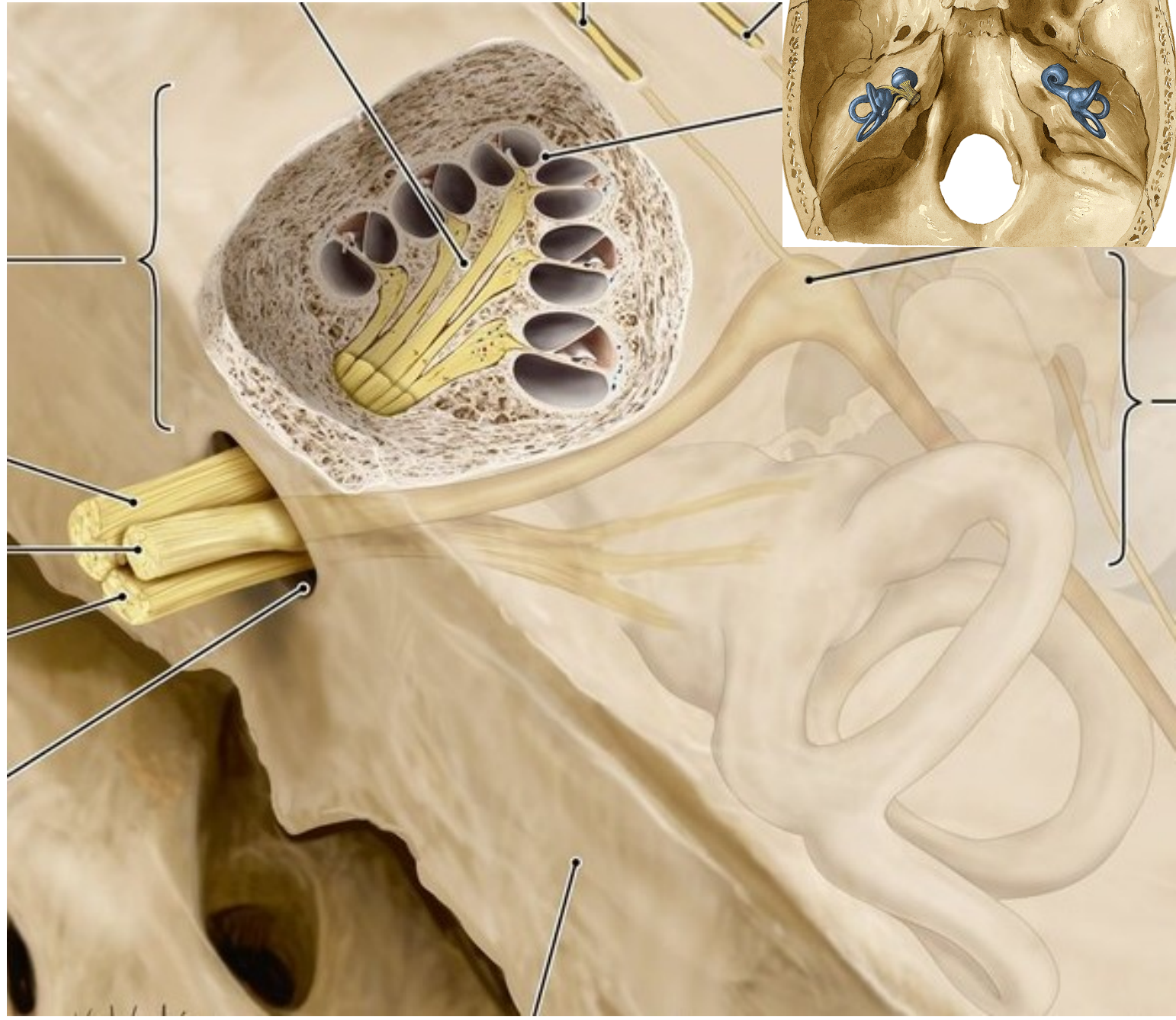
Labyrinthus osseus



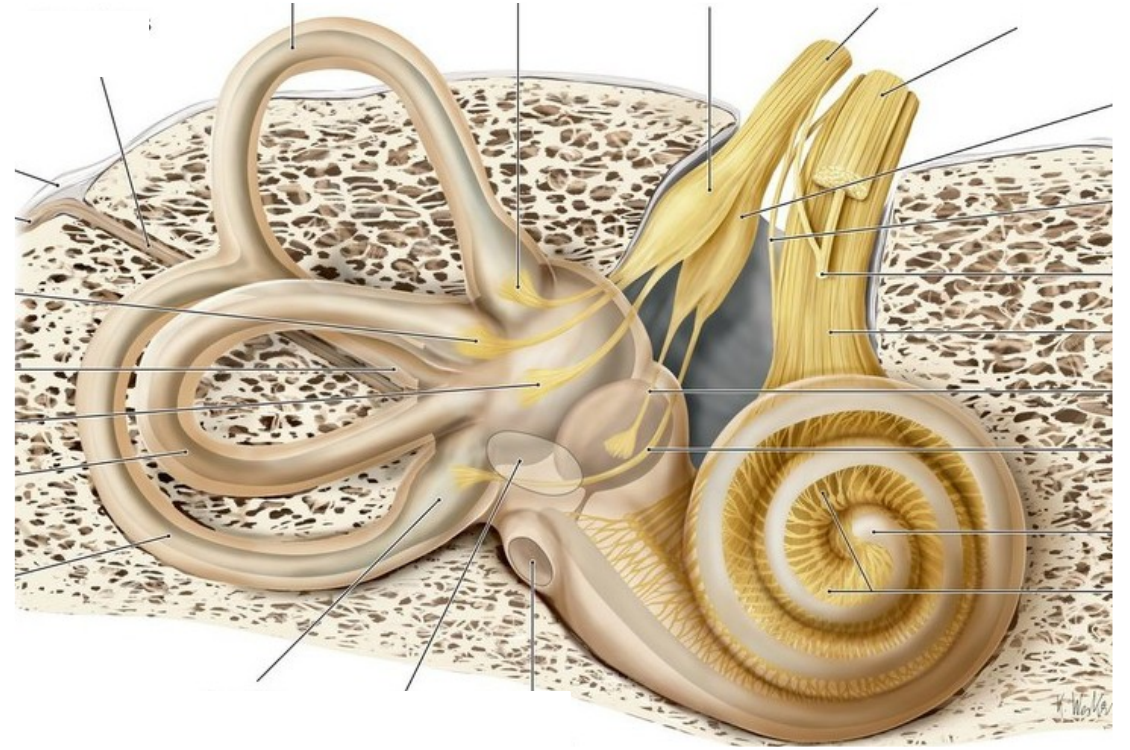
Vestibulum
Canales semicirculares ossei



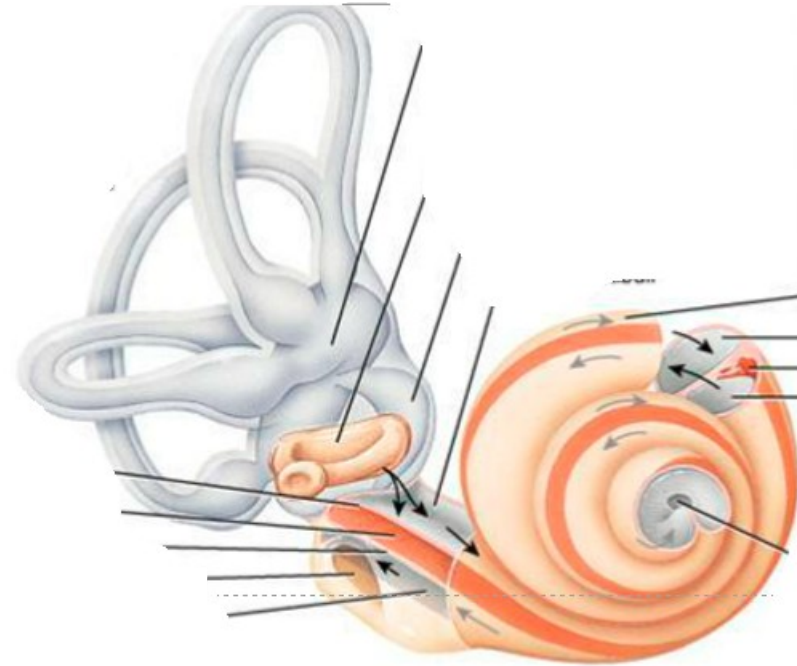
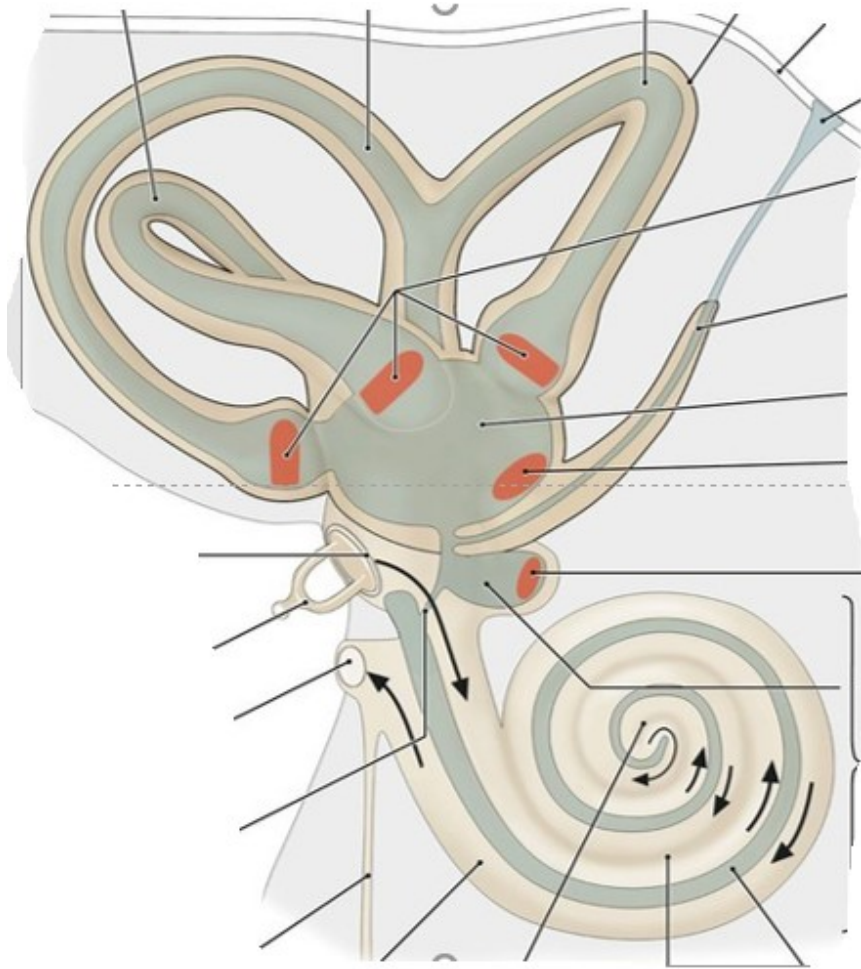
Cochlea



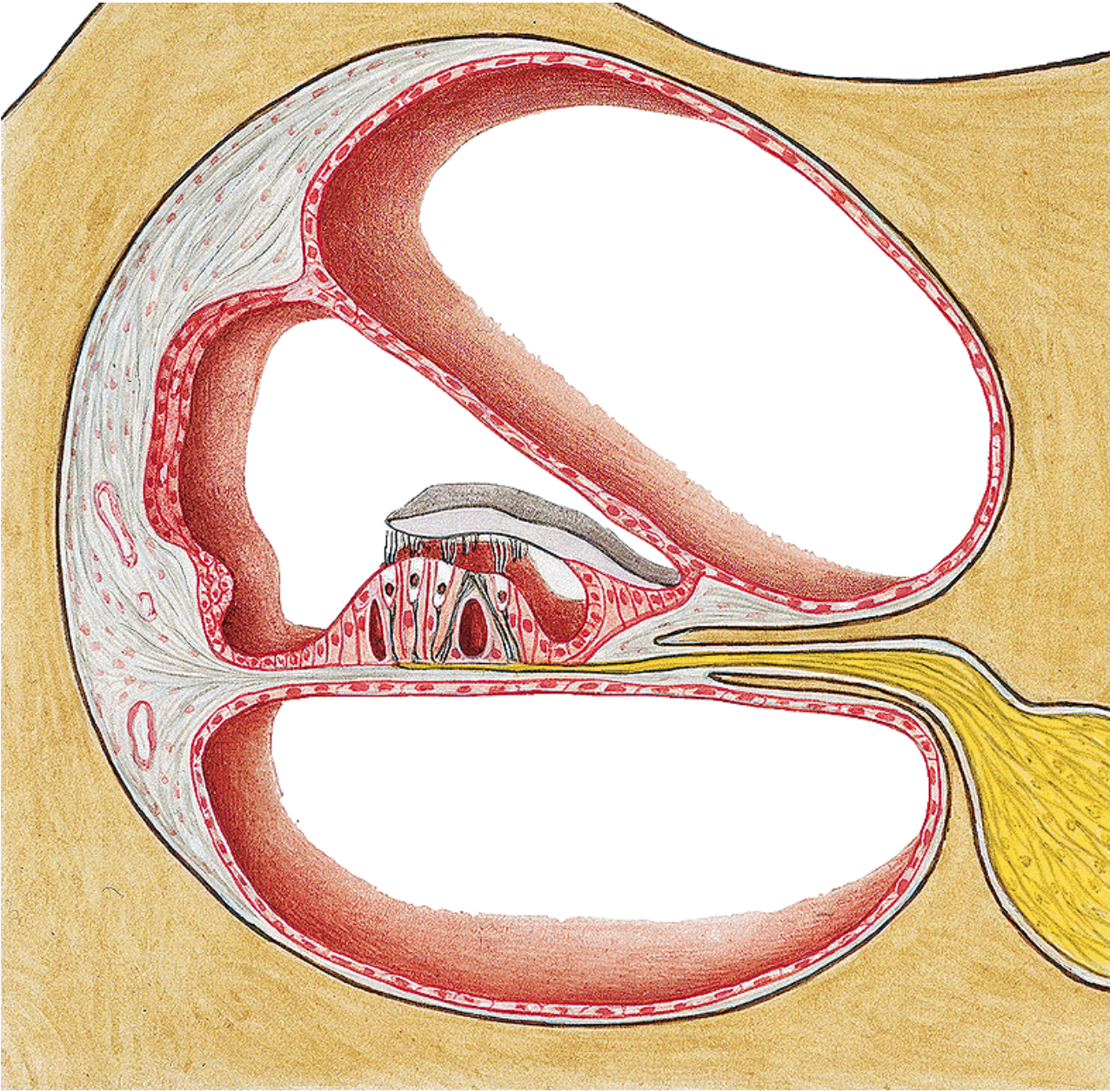
Meatus acusticus internus



Labyrinthus membranaceus



Ductus cochlearis





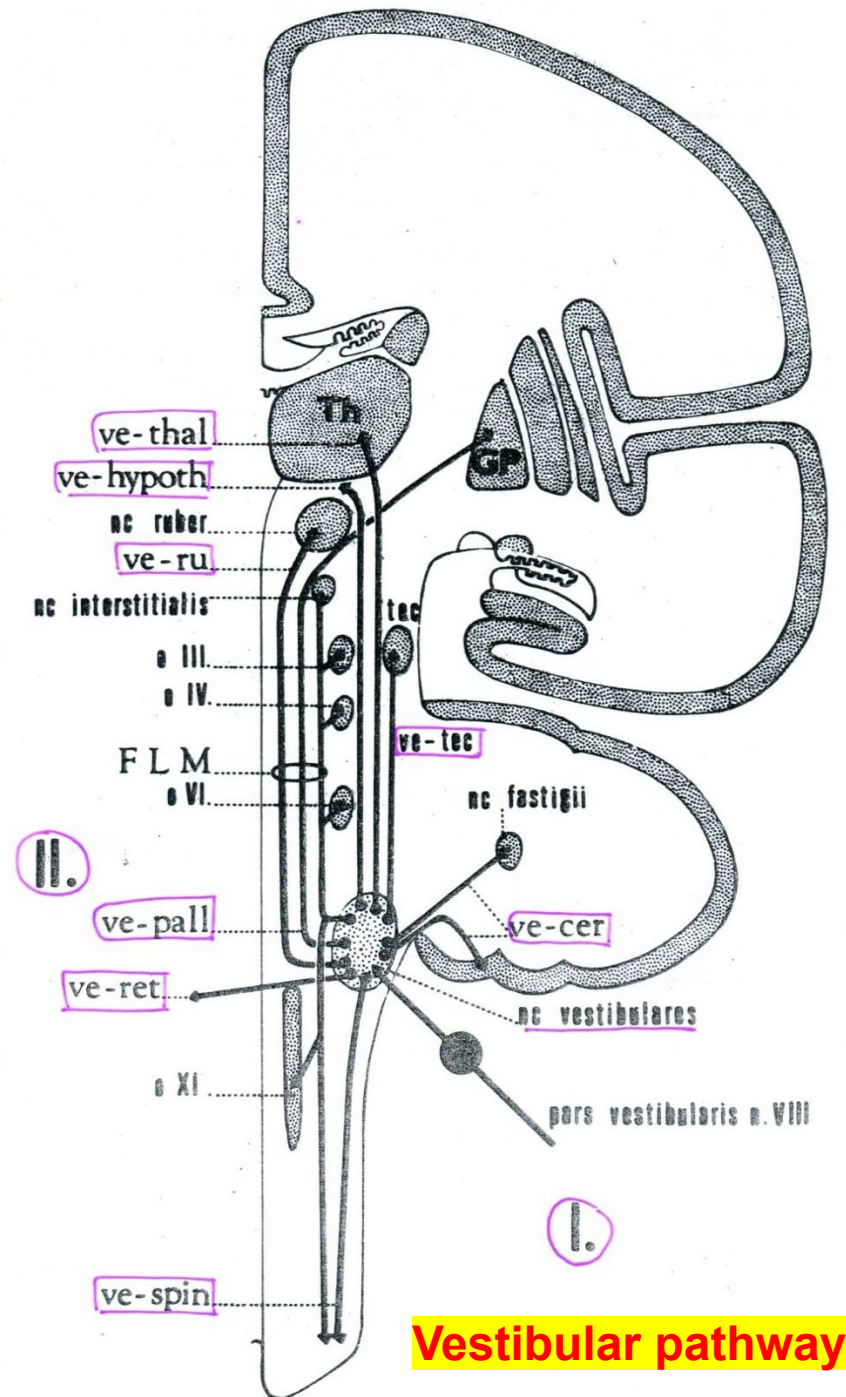
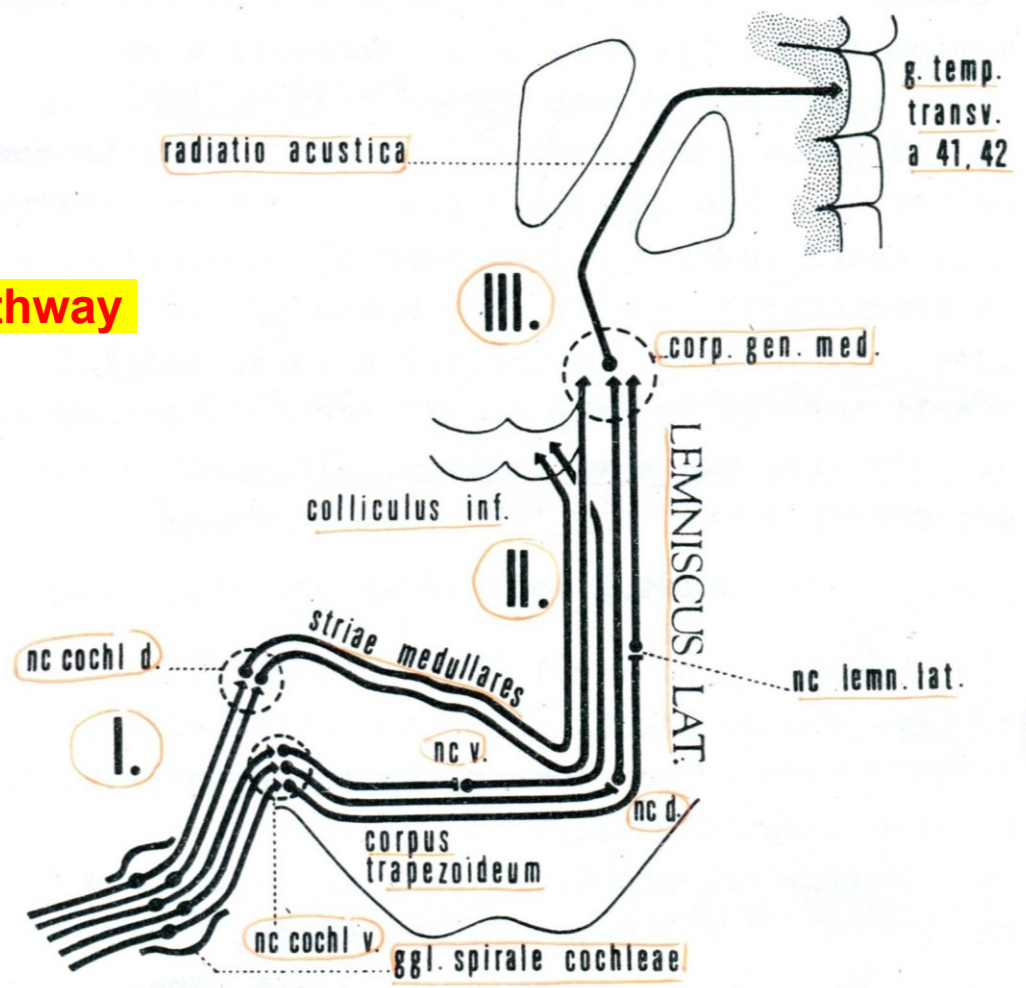
Endolymph

Perilymph

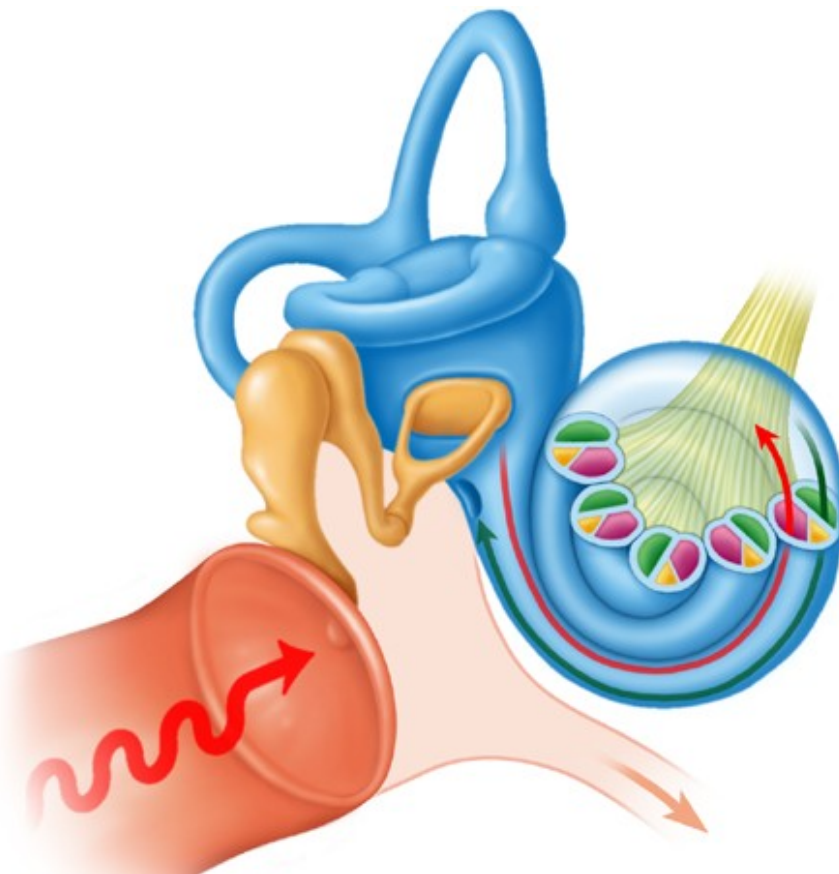


pathways

Acoustic pathway



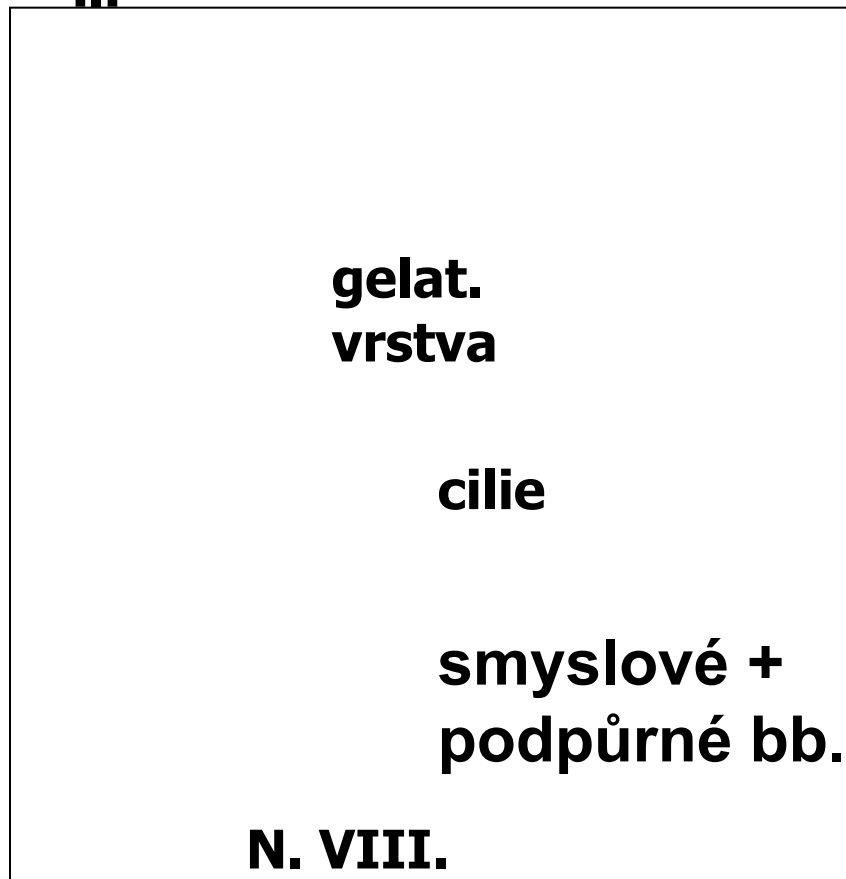
Vestibular pathway



Zvukové vlny → **ZZ** a **bubínek** > **rozkmitá se.**
Kmity se přenáší přes sluch. kůstky a f. vestibuli.
> **rozvlnění perilymfy** > **endolymfy** > **basil.**
membr. a membr. tectoria > **podráždění smysl.**
bb. Cortiho org. > **p. cochlearis n. VIII.** → **MK**

Registrace pohybu hlavy v prostoru

Cristae ampullares polokruhových kanálků



Při pohybu hlavy
proudící endolymfa
ohýbá gelatinosní
vrstvu s ciliemi

mechanické podněty
jsou přeměněny v
nervový vzruch

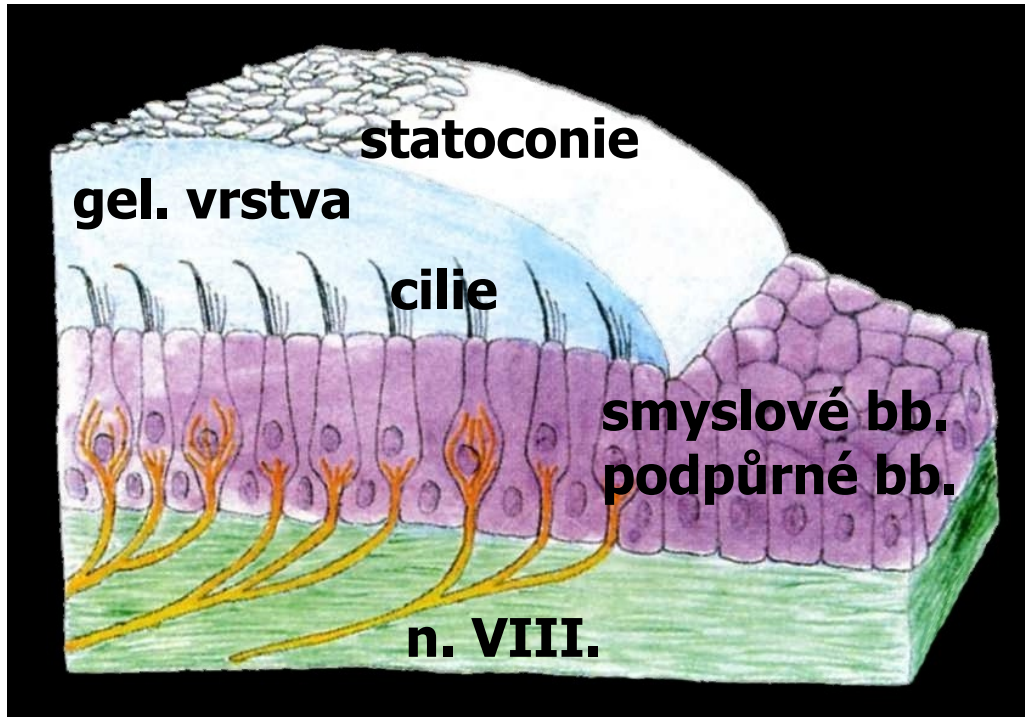
vzruchy jsou odváděny
p. vestibularis n. VIII.

Receptory gravitace

Macula statica

utriculi —

sacculi |



Změny polohy hlavy

> statokonie mění polohu

> změna tahu nebo tlaku na cilie smyslových bb.

> přeměna informace na nervový vzruch >

p. vestibularis n. VIII.