

ORGANUM VESTIBULOCOCHLEARE

Auris externa, media et interna

Auris externa

Auricula
Meatus acusticus externus
Membrana tympani

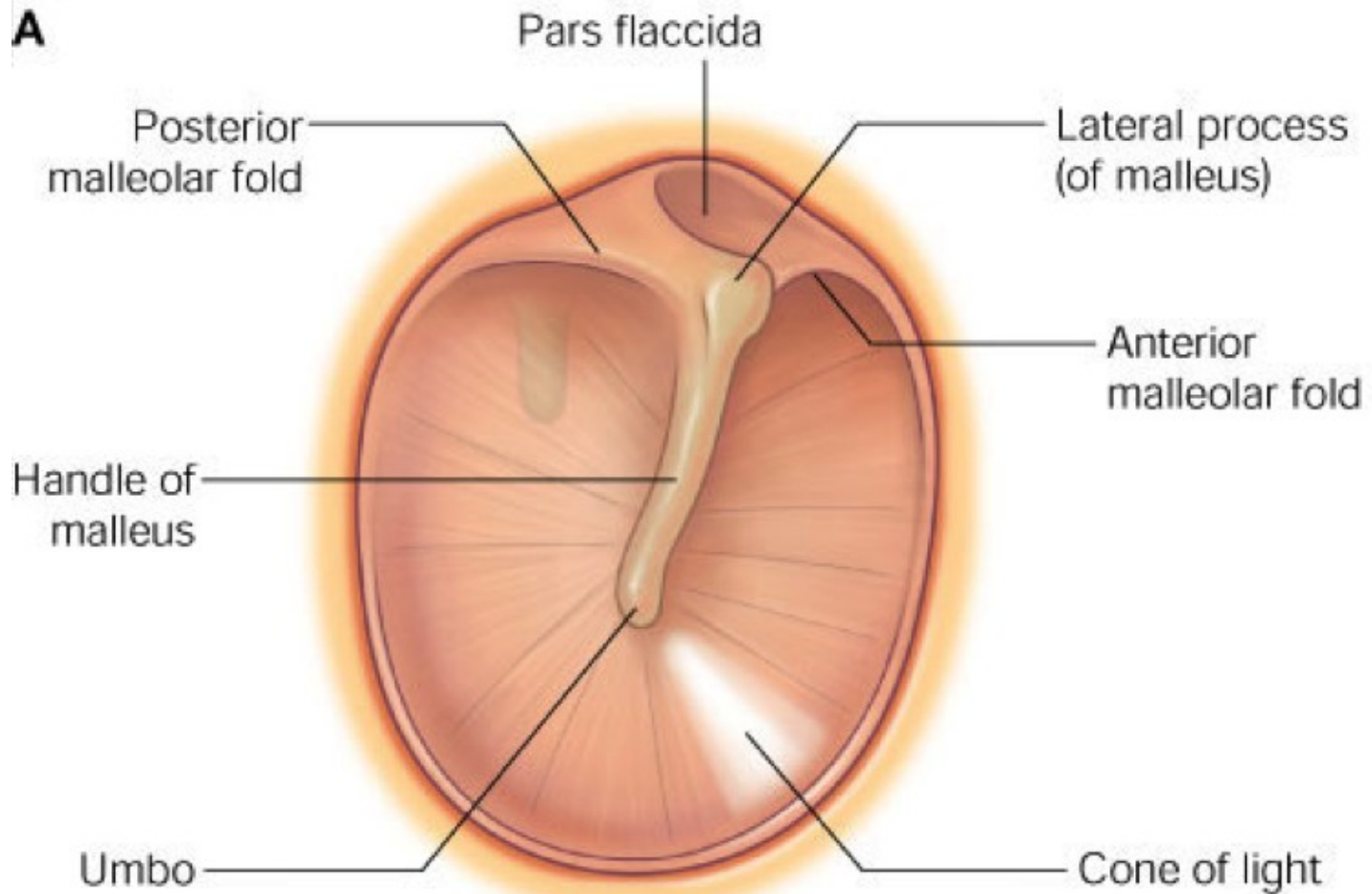
Auris media

Cavitas tympani
Ossicula auditus
Tuba auditiva

Auris interna

Labyrinthus osseus
Labyrinthus membranaceus

A



CAVITAS TYMPANI (eardrum)

paries membranaceus

- bubínek

paries labyrinthicus

- promontorium
- fenestra vestibuli
- fenestra cochleae

paries jugularis

- apertura externa canaliculi tympanici

paries tegmentalis

- hiatus canalis nervi petrosi minoris

paries caroticus

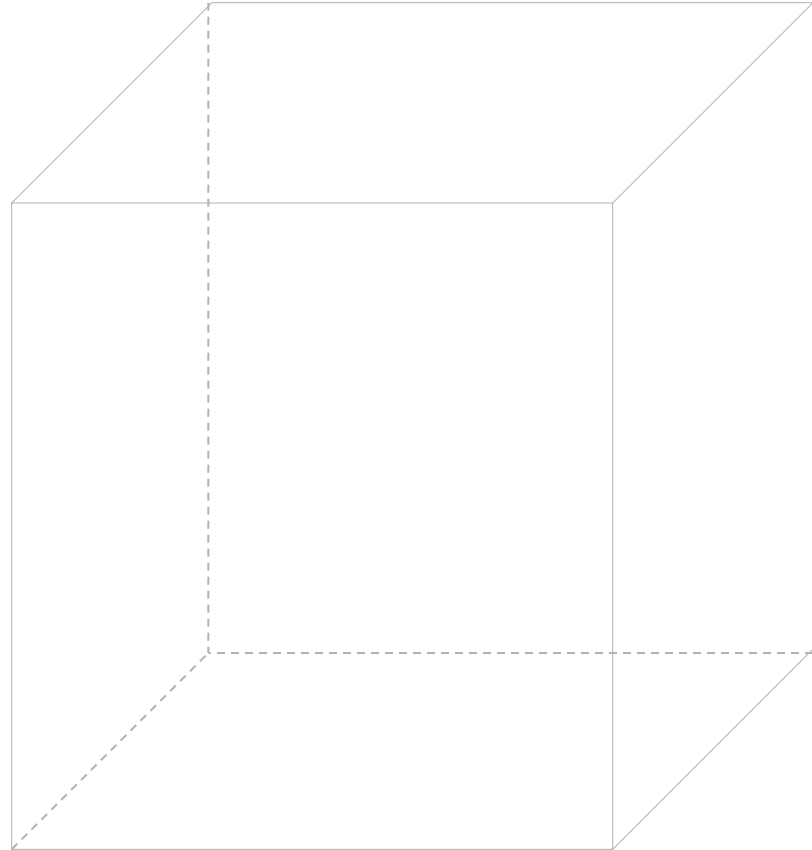
- canaliculi caroticotympanici
- canalis musculotubarius

semicanalis musculi tensori tympani

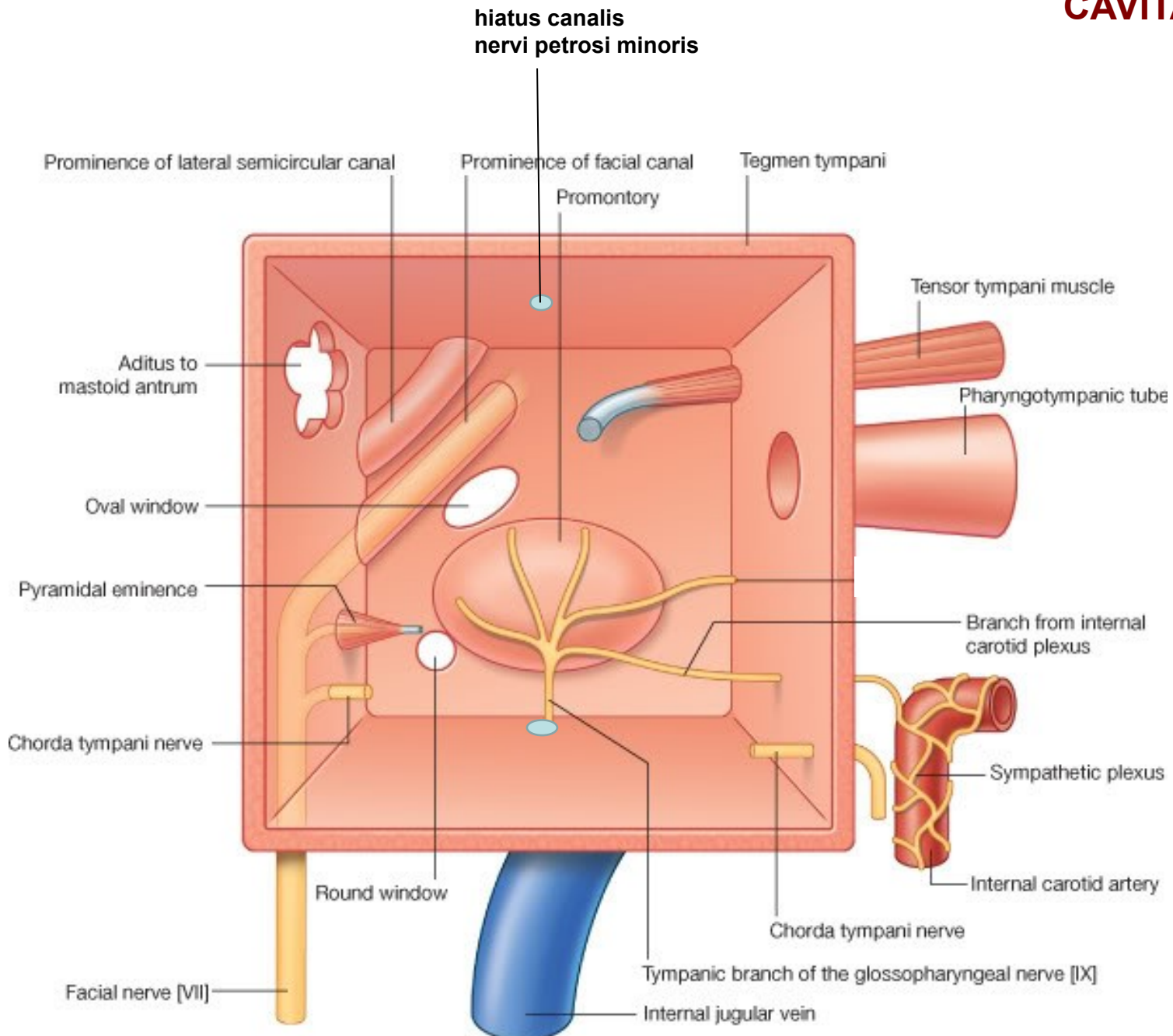
semicanalis tubae auditivae

paries mastoideus

- antrum mastoideum



CAVITAS TYMPANI



OSSICULA AUDITUS

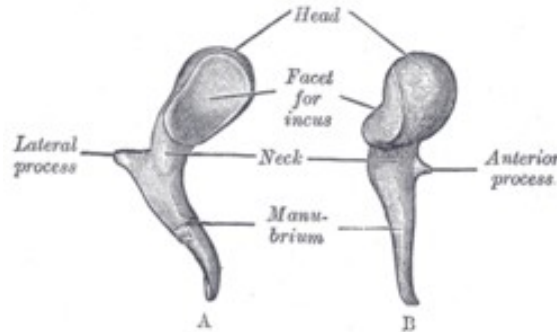
Malleus

Caput mallei

Manubrium mallei

Processus lateralis

Processus anterior



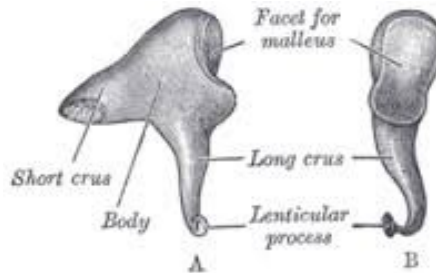
Art. incudomallearis

Incus

Corpus incudis

Crus longum

Crus breve



Art. incudostapedialis

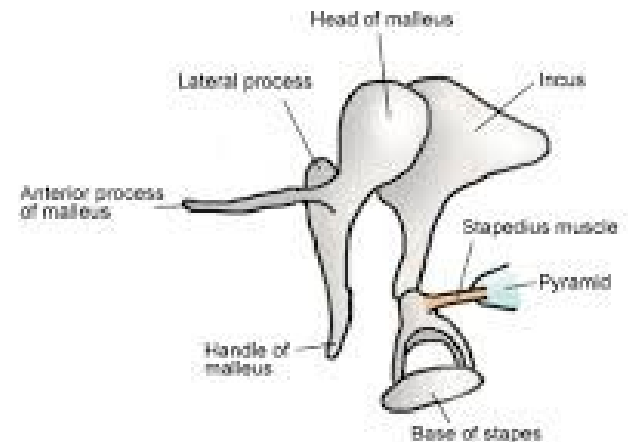
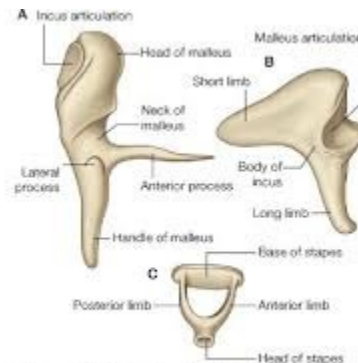
Stapes

Caput stapedis

Crus anterius

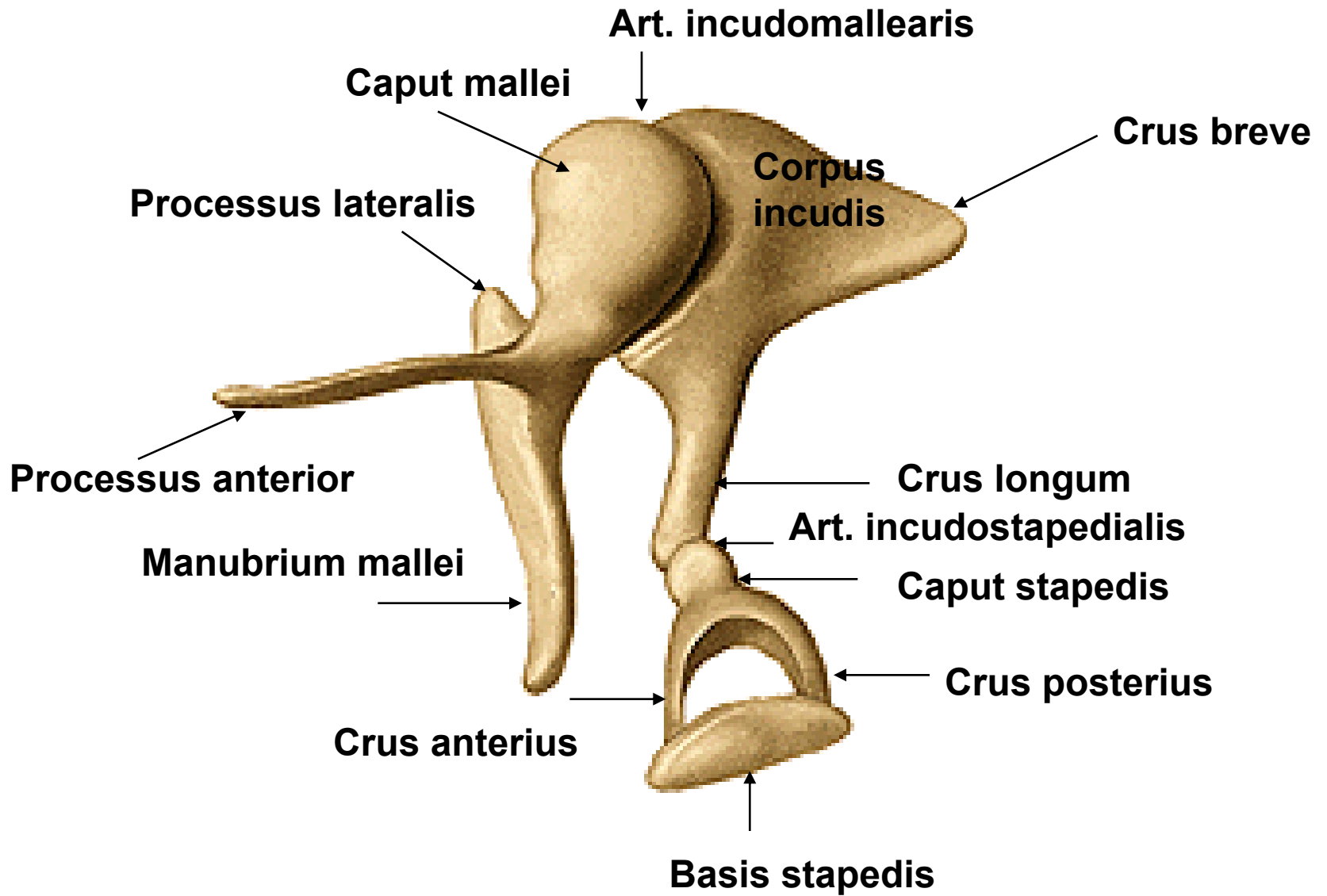
Crus posterius

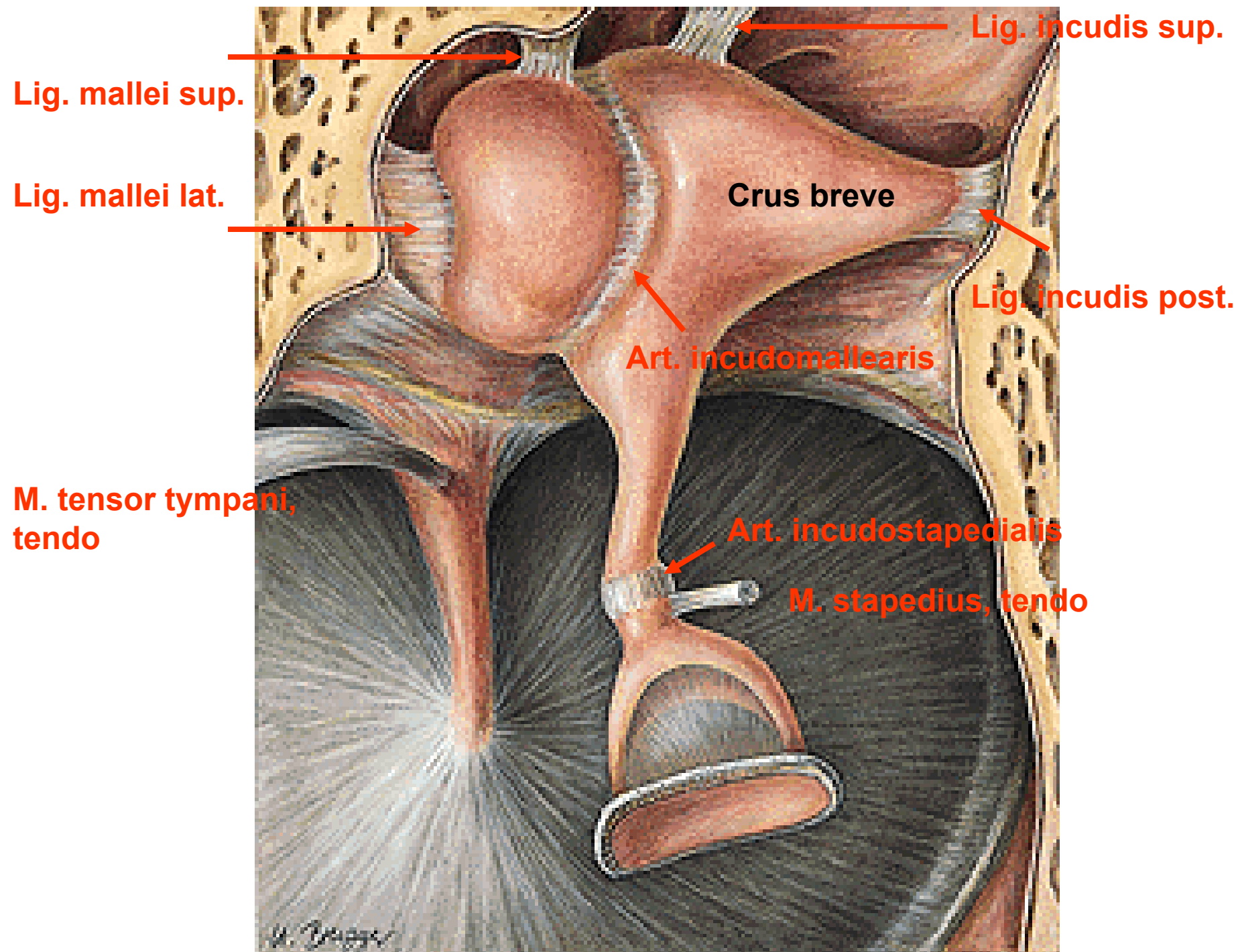
Basis stapedis

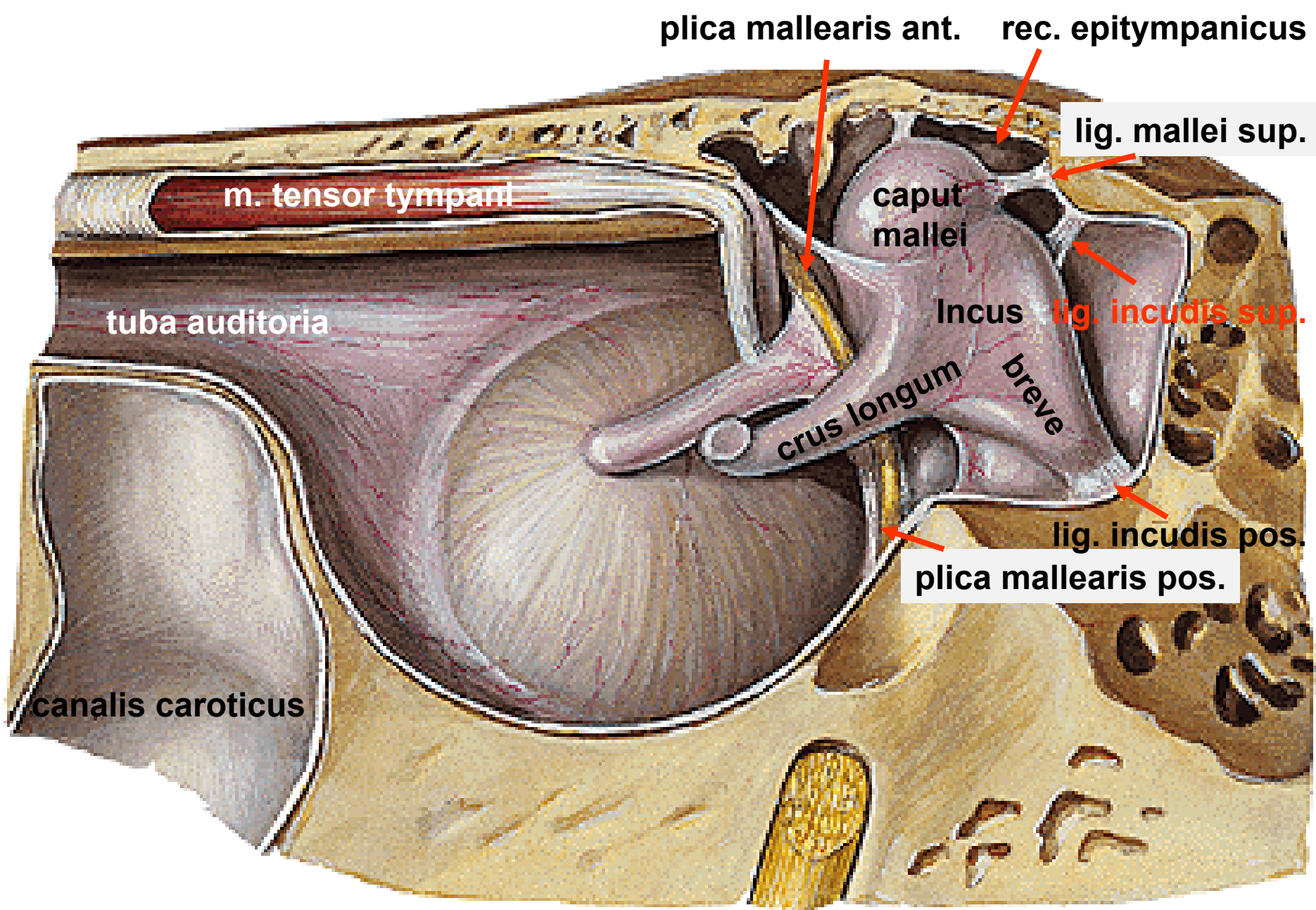


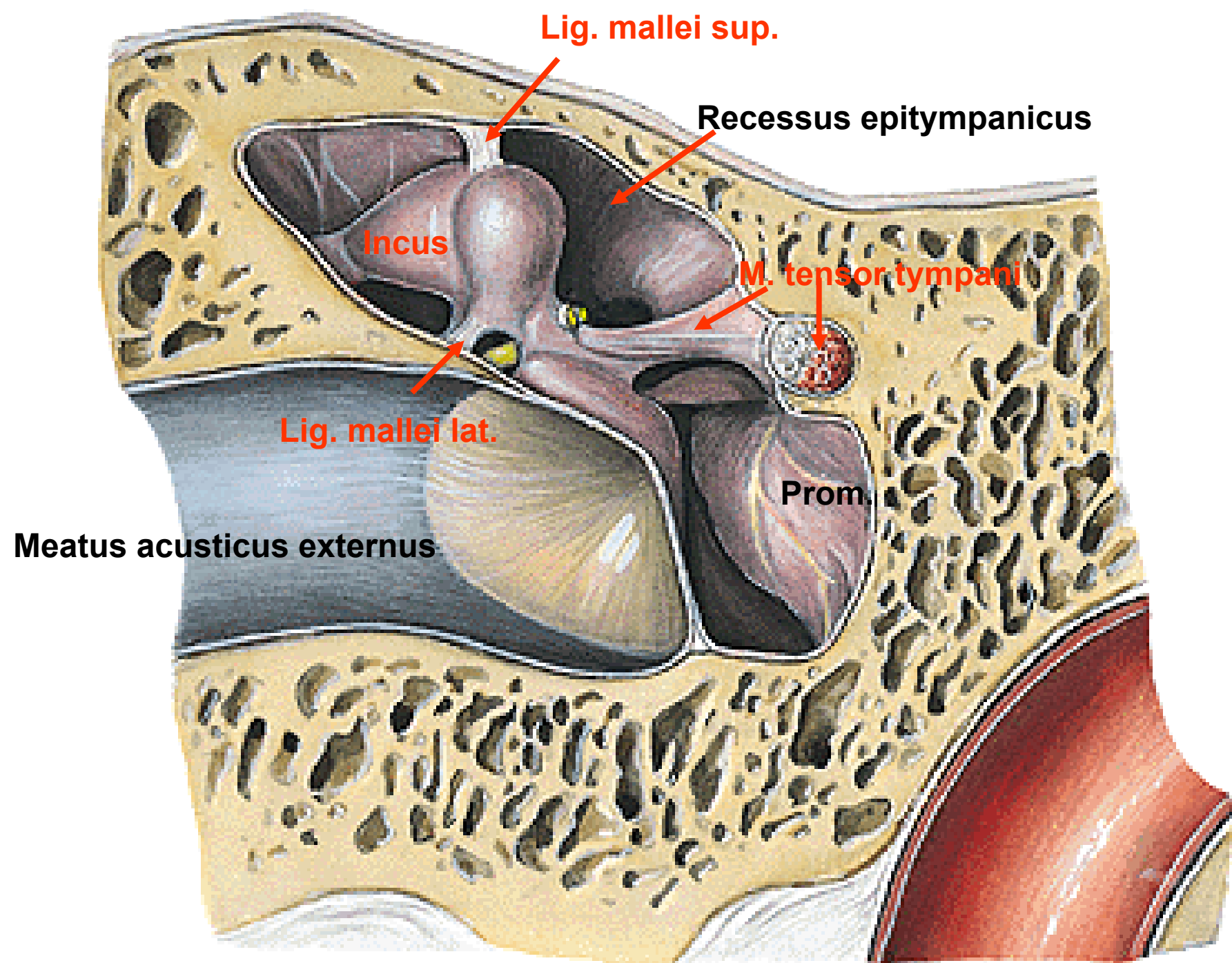
© 2008 St. George's, University of London

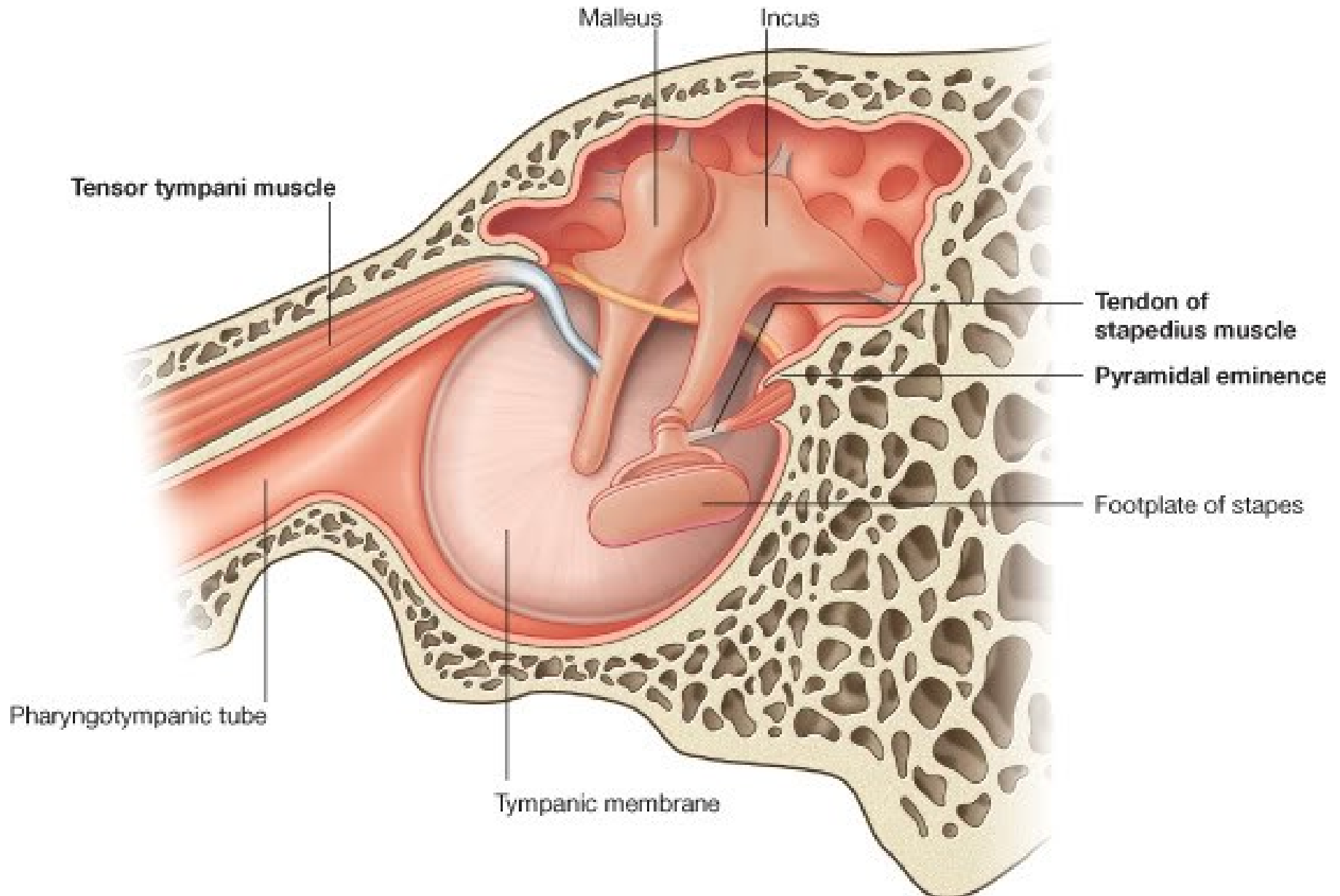
OSSICULA AUDITUS

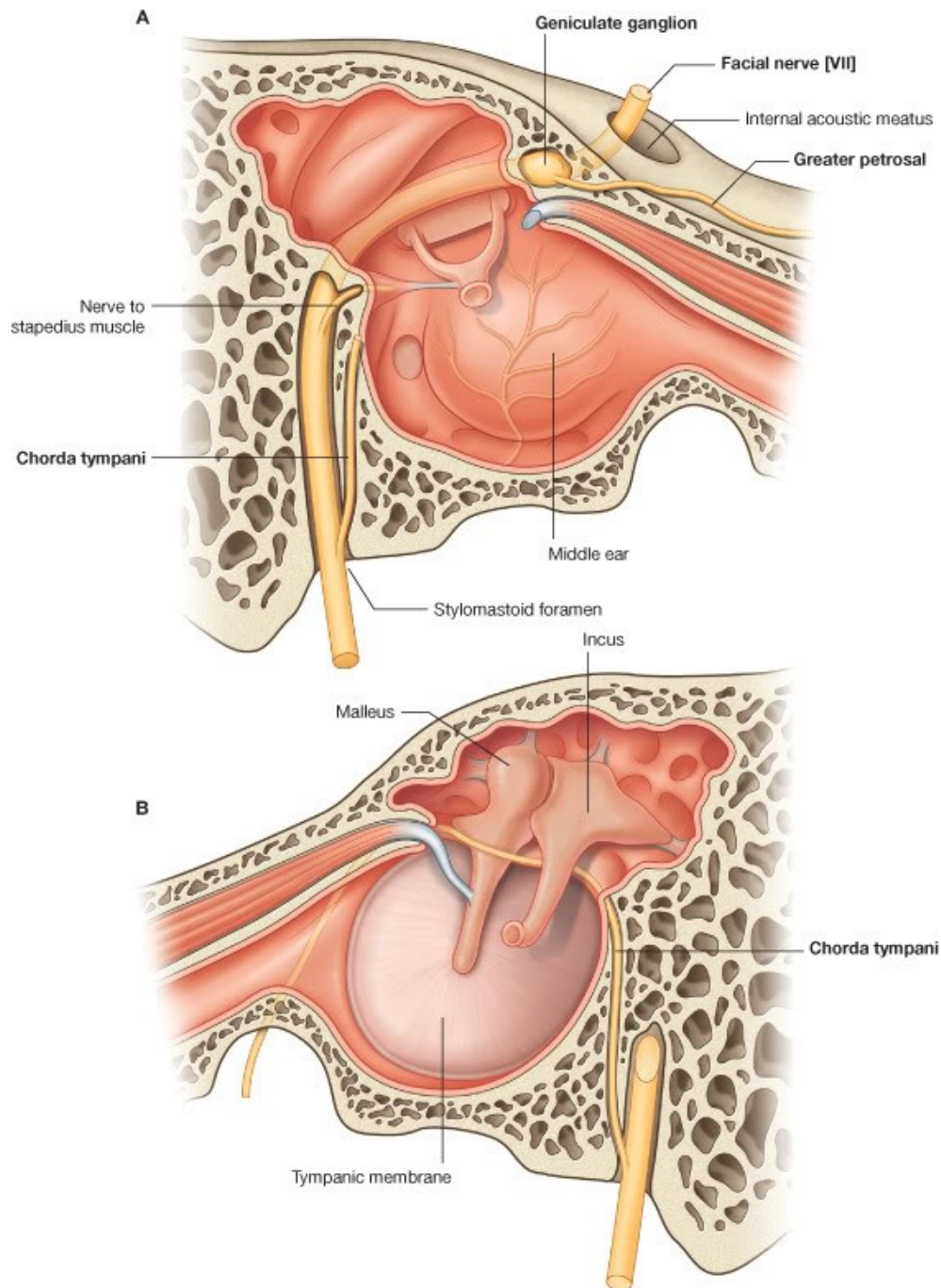












TUBA AUDITIVA, EUSTACHIAN TUBE

pars ossea tubae auditivae (10mm)

ostium tympanicum tubae auditivae

pars cartilaginea tubae auditivae (25 mm)

lamina medialis et lateralis

ostium pharyngeum tubae auditivae

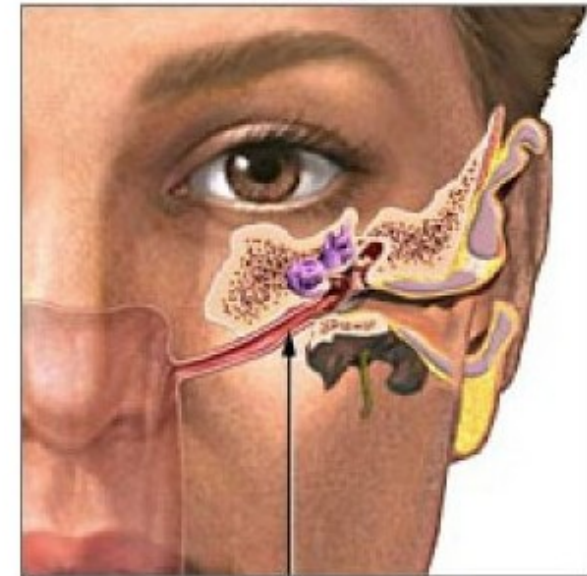
torus tubarius

lymph tissue (tonsilla tubaria)

Infant

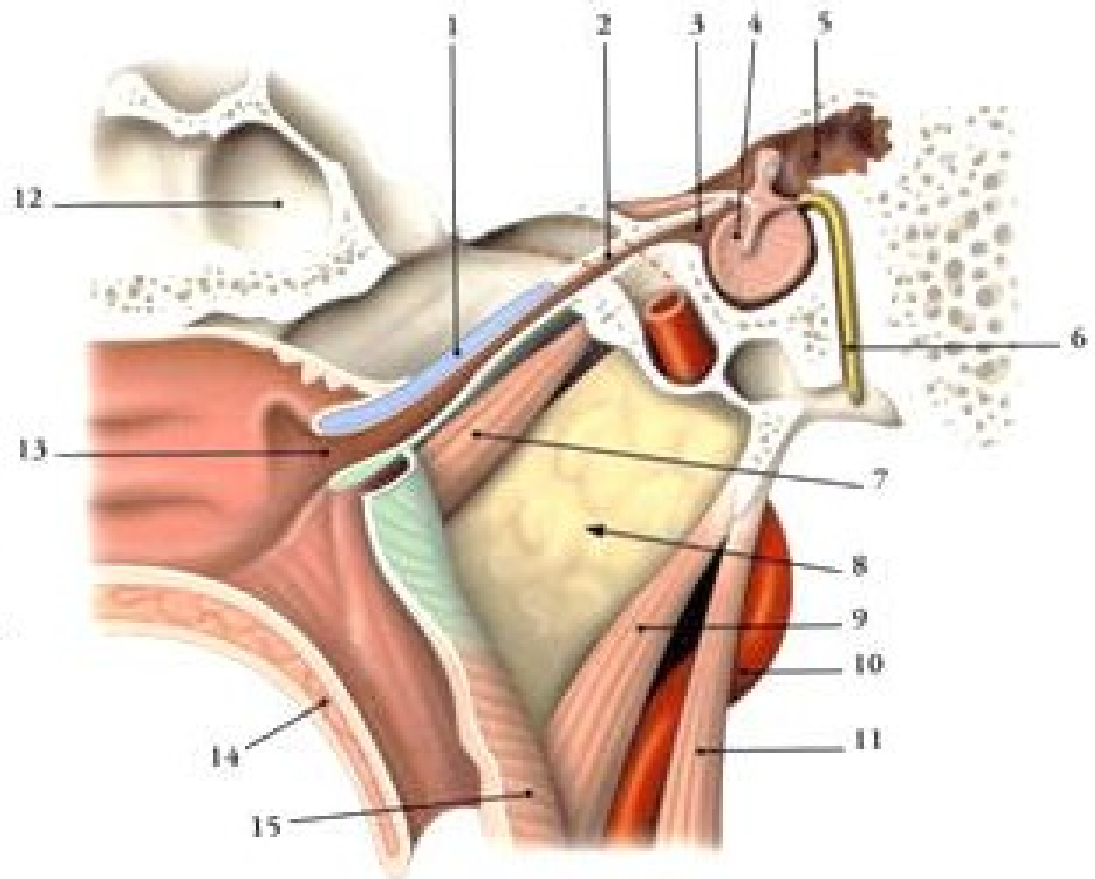
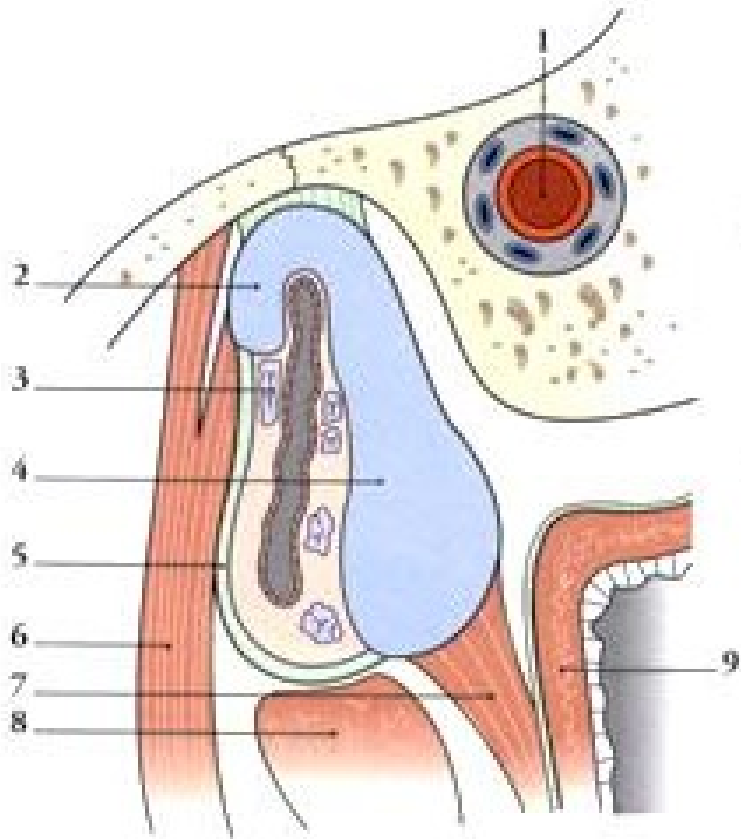


Adult

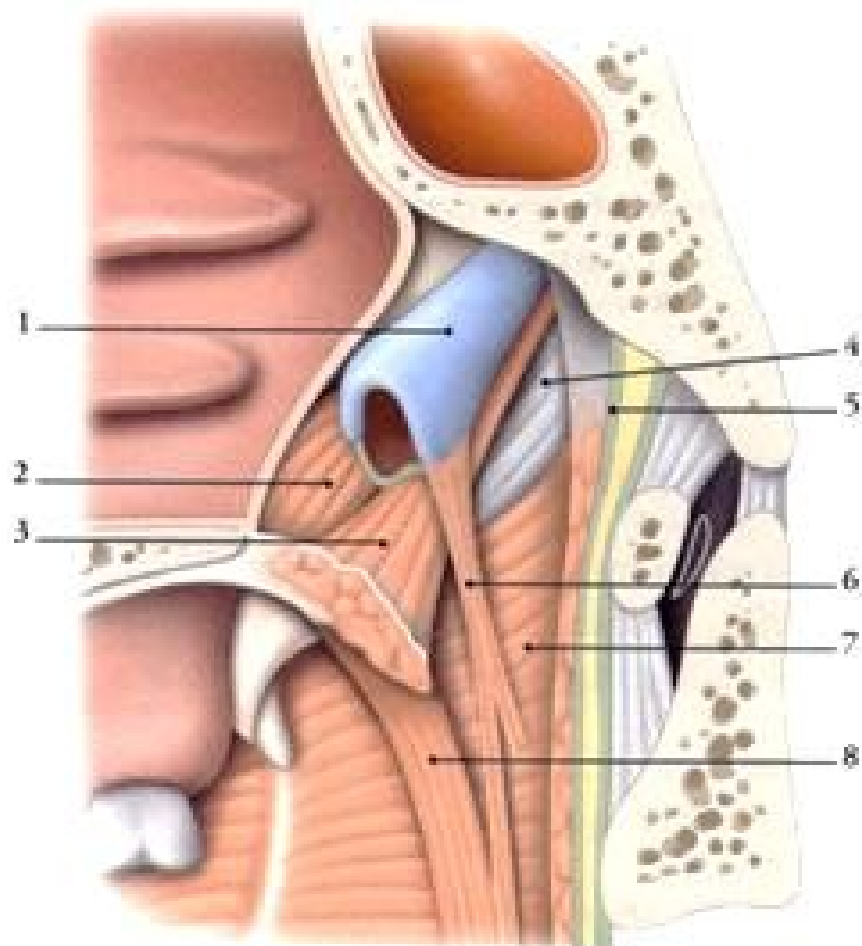
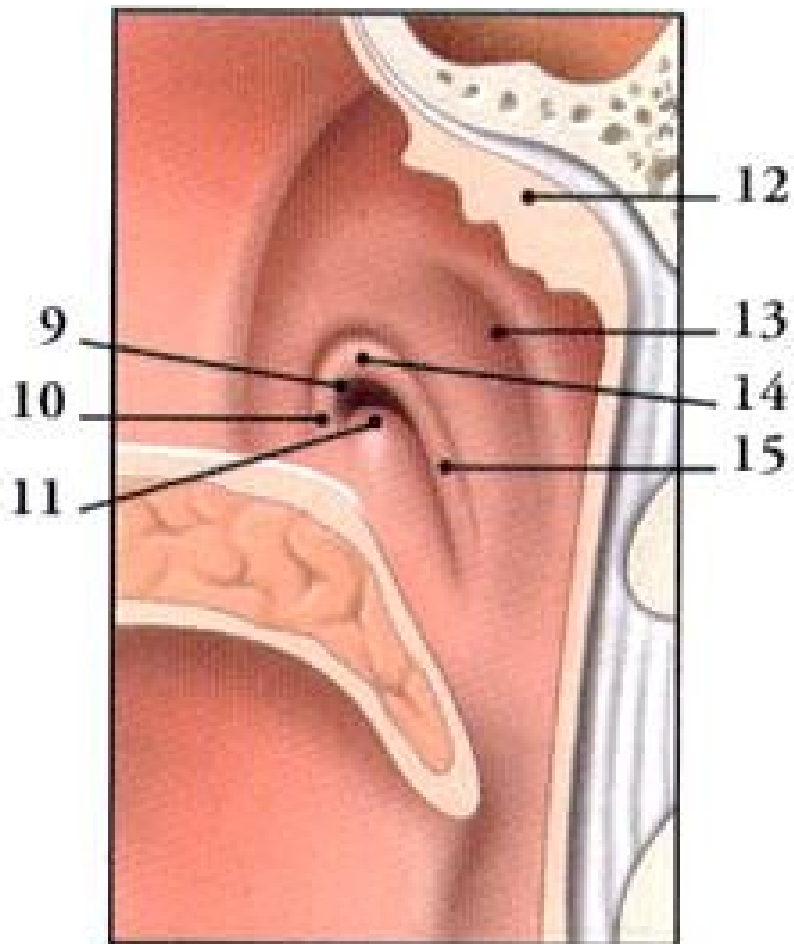


Eustachian tube

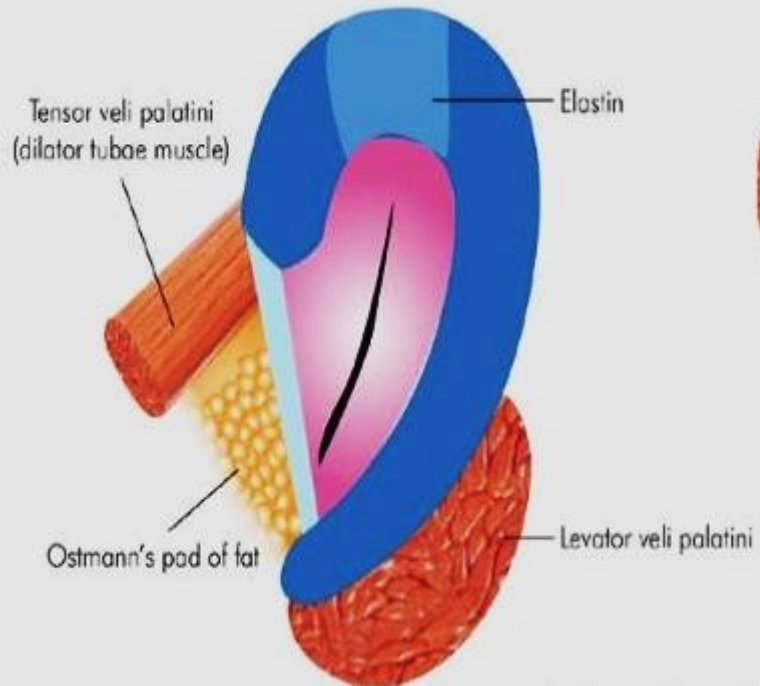
TUBA AUDITIVA, EUSTACHIAN TUBE



TORUS TUBARIUS, torus levatorius, plica salpingopharyngea



A

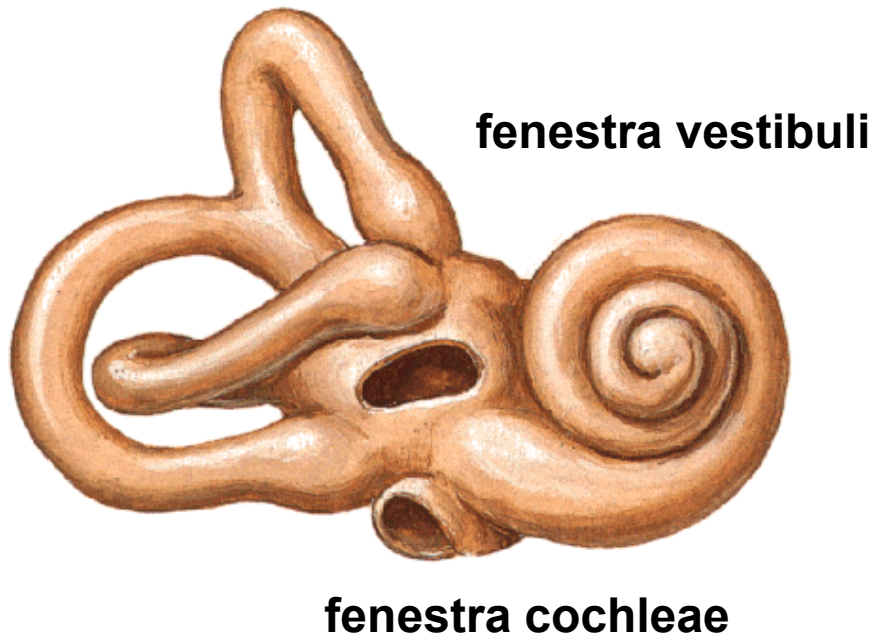


B



AURIS INTERNA - LABYRINTHUS OSSEUS

Right Osseous Labyrinth
Anterolateral View



- vestibulum

-canales semicirculares ossei

anterior

posterior

crus communae

ampulla ossea

lateralis

crus simplex

- cochlea

COCHLEA

modiolus

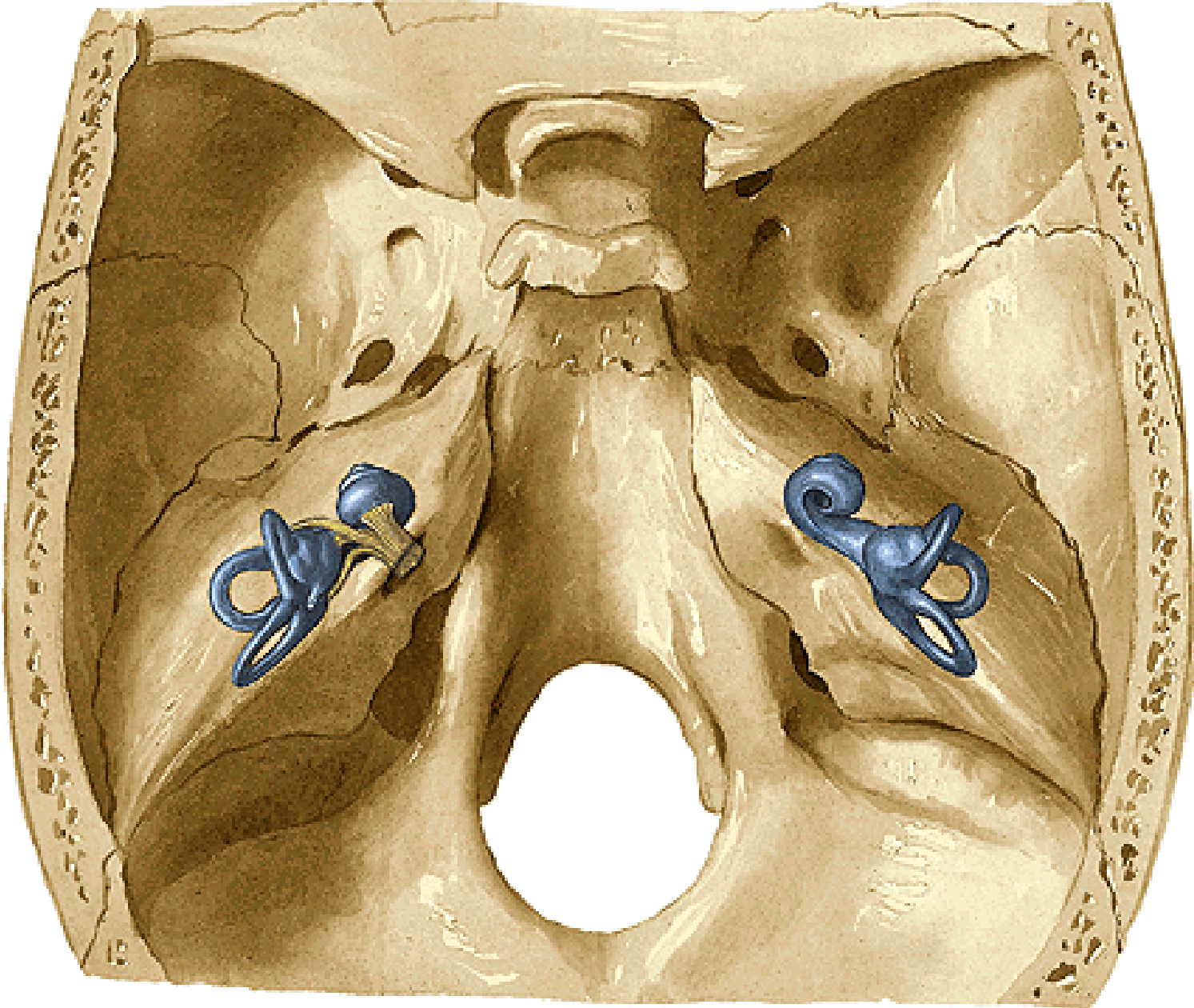
lamina spiralis ossea

canalis spiralis osseus

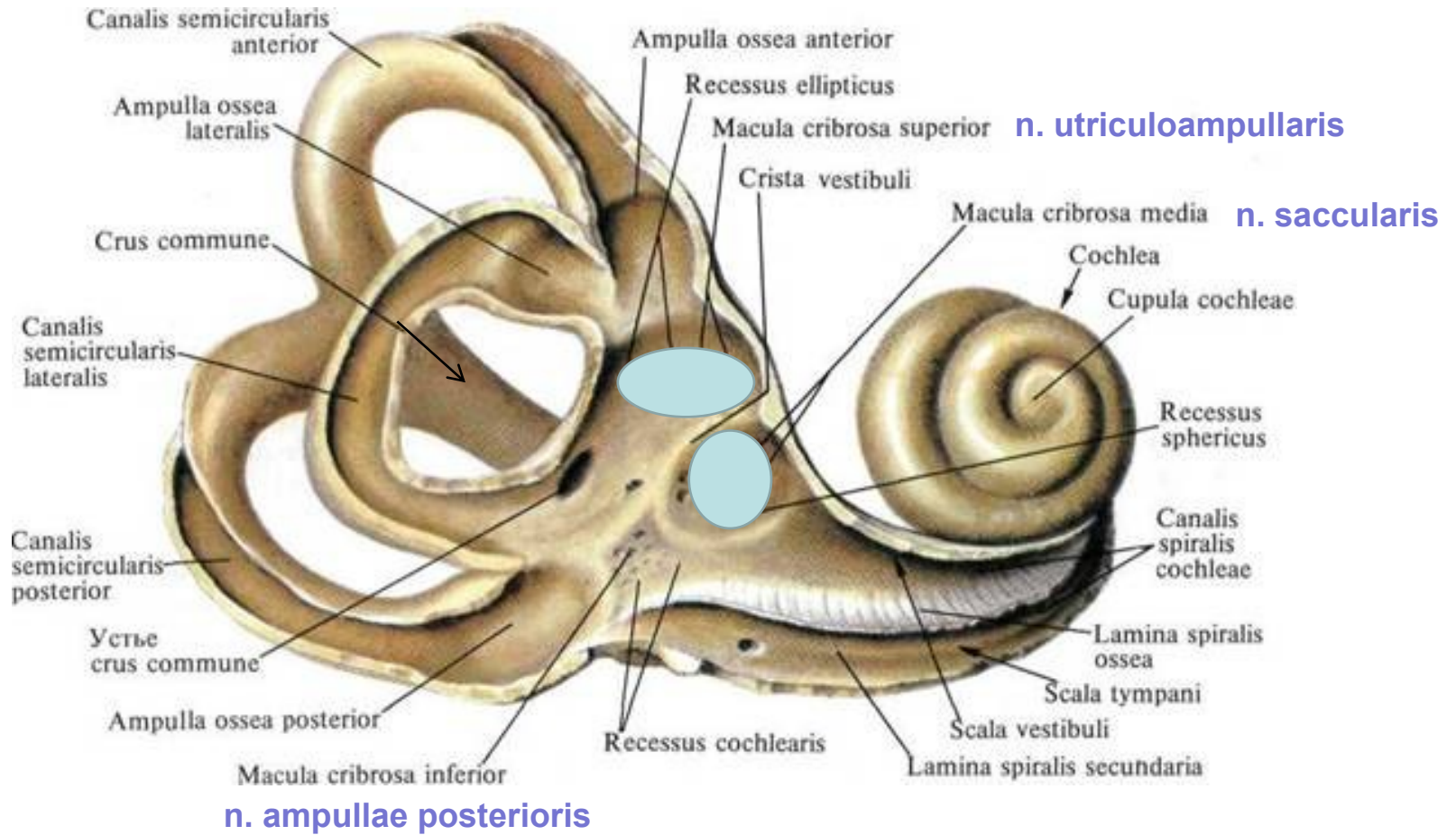
canales longitudinales

tractus spiralis foraminosus

AURIS INTERNA



VESTIBULUM



LABYRINTHUS MEMBRANACEUS

labyrinthus vestibularis

- utriculus et sacculus
- d. utriculosaccularis → d. endolymphaticus (aqueductus vestibuli) → saccus endolymph.
- ductus semicirculares

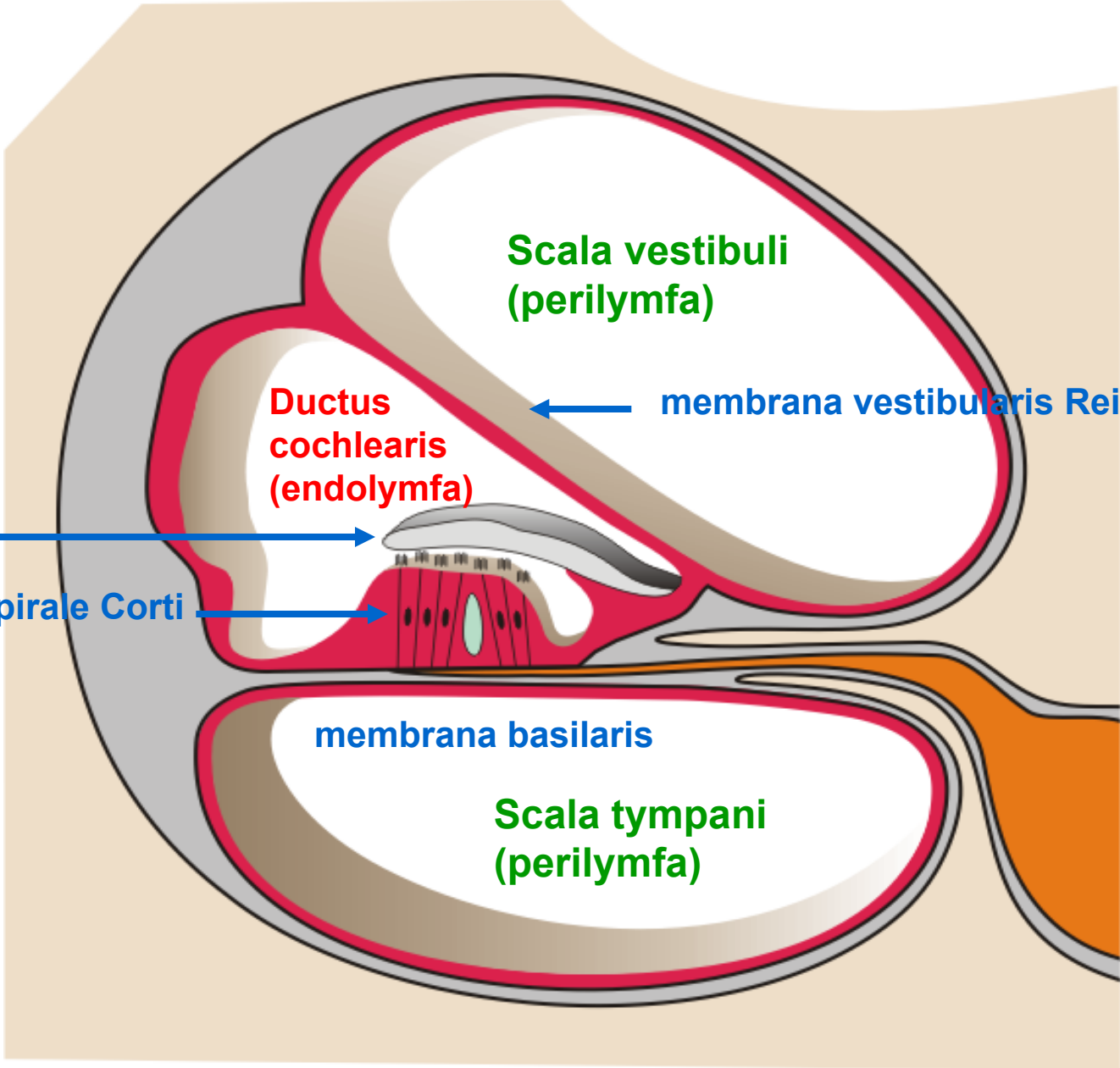
macula statica utriculi et sacculi
cristae ampullares

labyrinthus cochlearis

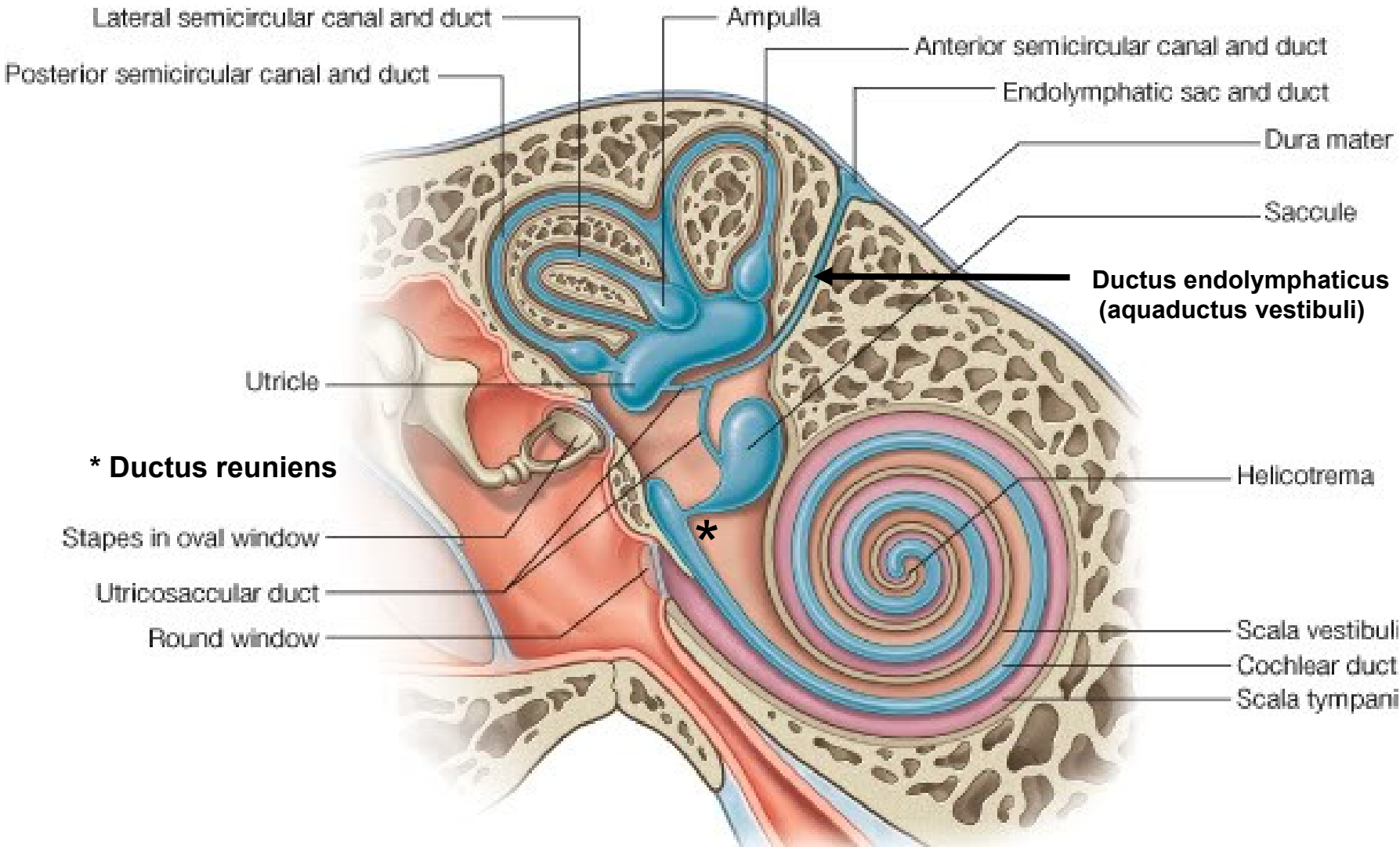
- ductus cochlearis *lamina basilaris*
 membrana vestibularis Reissneri
 wall of bony canal

organum spirale Corti *membrana tectoria*

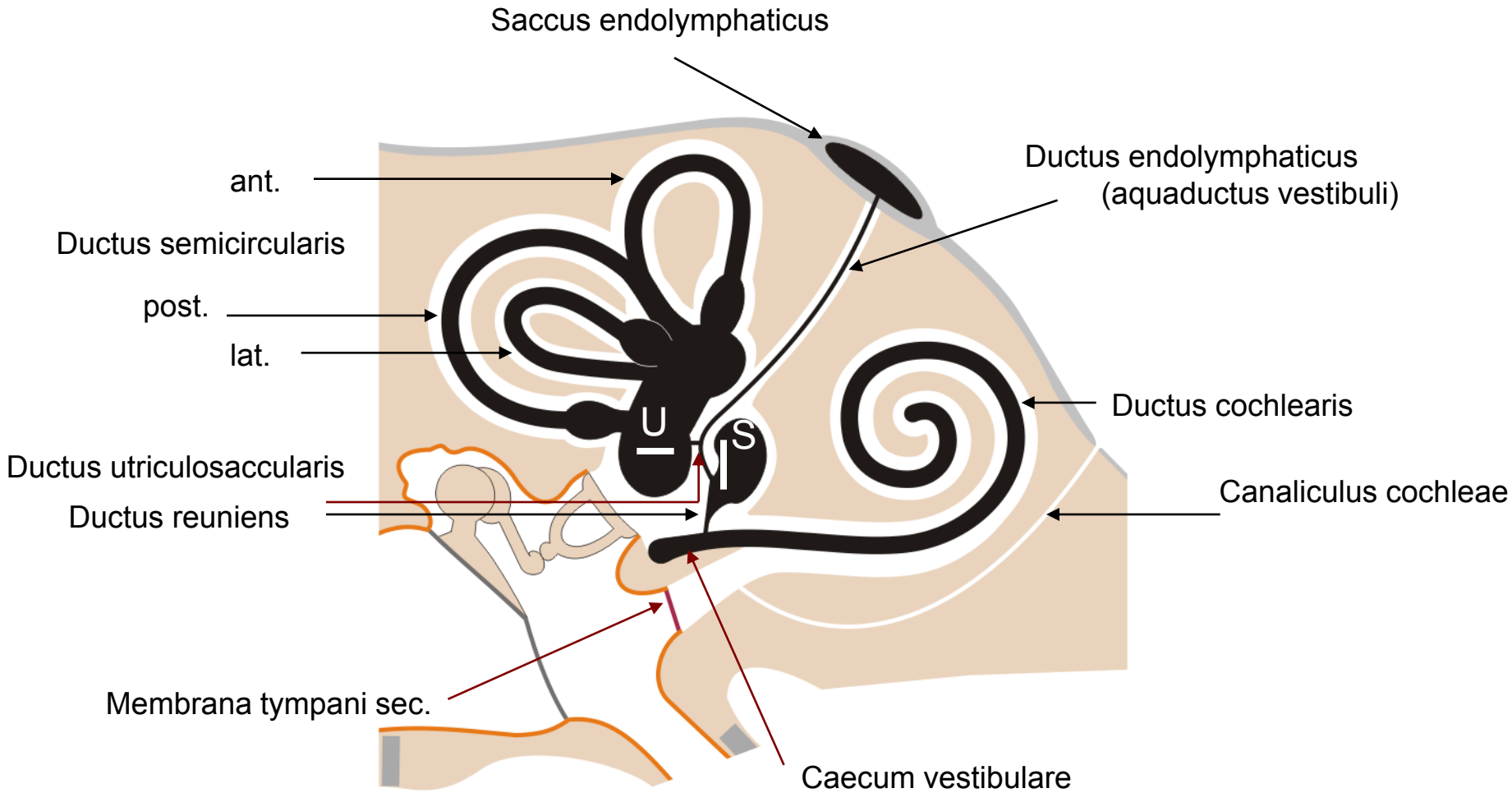
DUCTUS COCHLEARIS

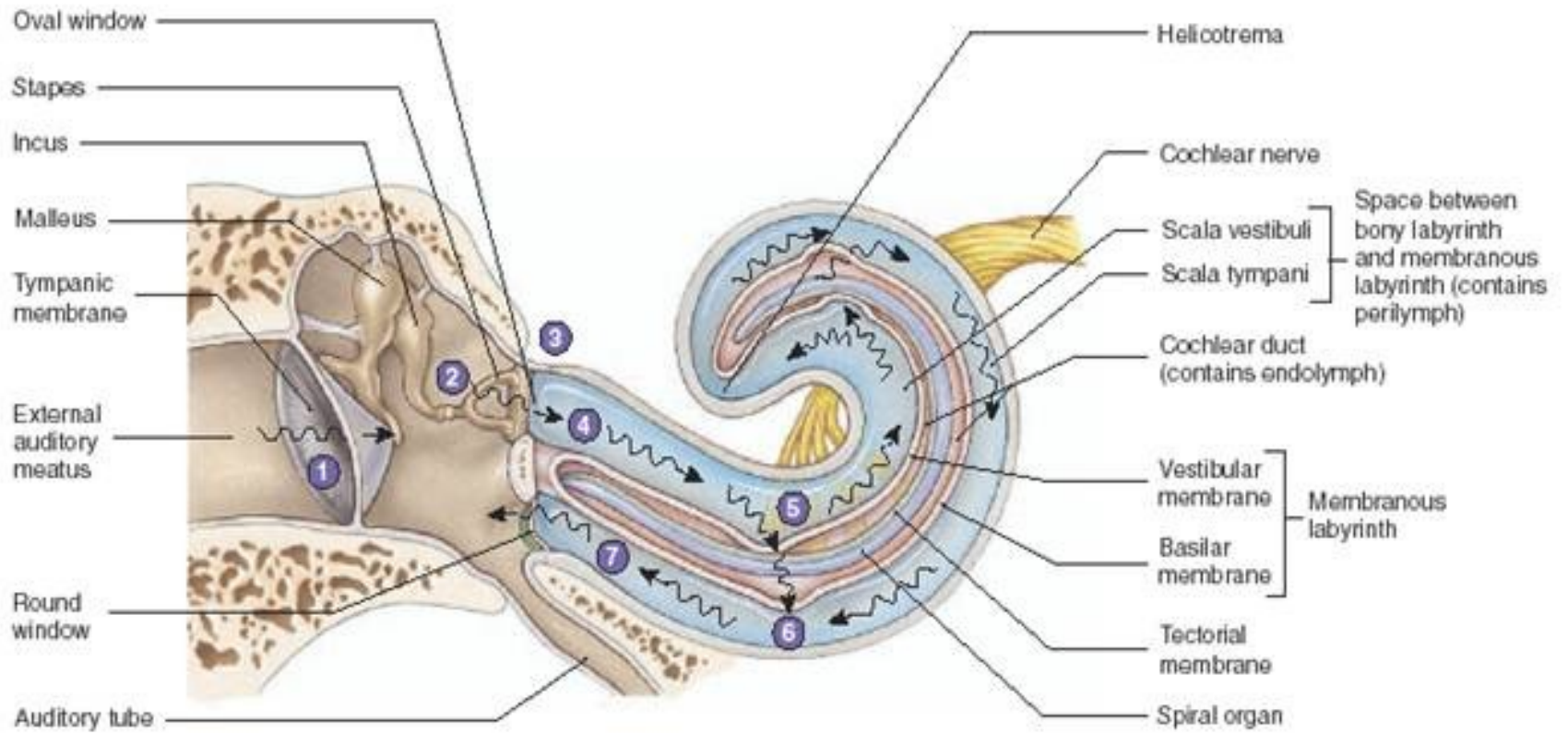


LABYRINTHUS MEMBRANACEUS

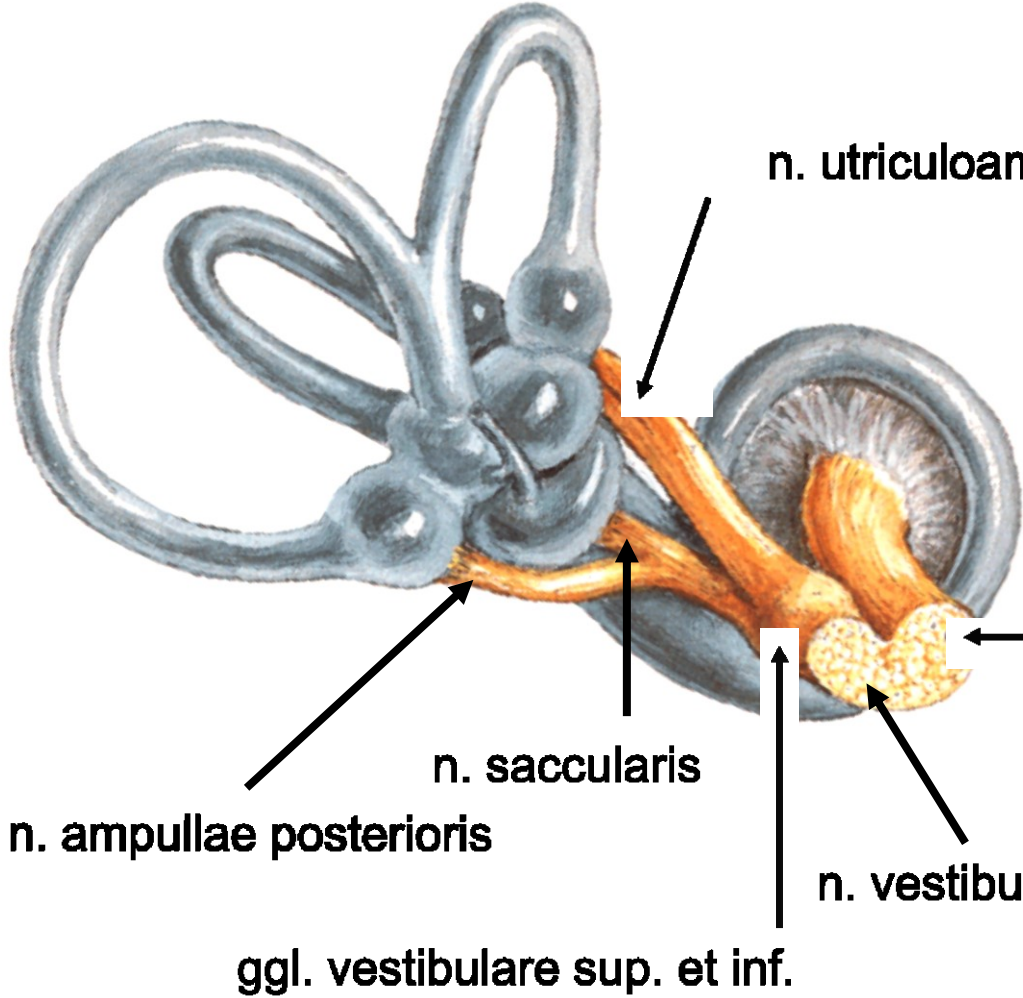


LABYRINTHUS MEMBRANACEUS





LEARIS



n. utriculoampullaris

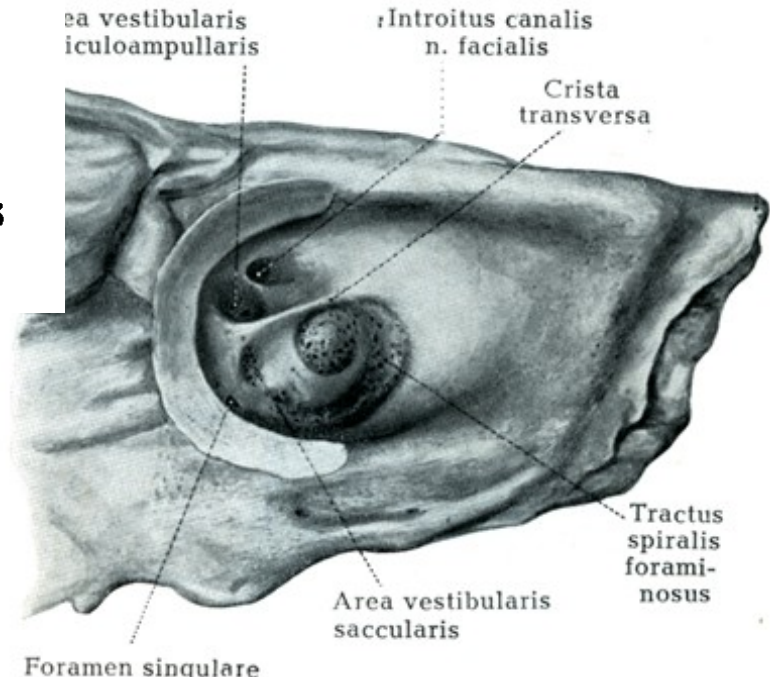
n. cochlearis

n. saccularis

n. ampullae posterioris

n. vestibularis

ggl. vestibulare sup. et inf.



Area vestibularis utriculoampullaris

Introitus canalis n. facialis

Crista transversa

Tractus spiralis foraminosus

Area vestibularis saccularis

Foramen singulare