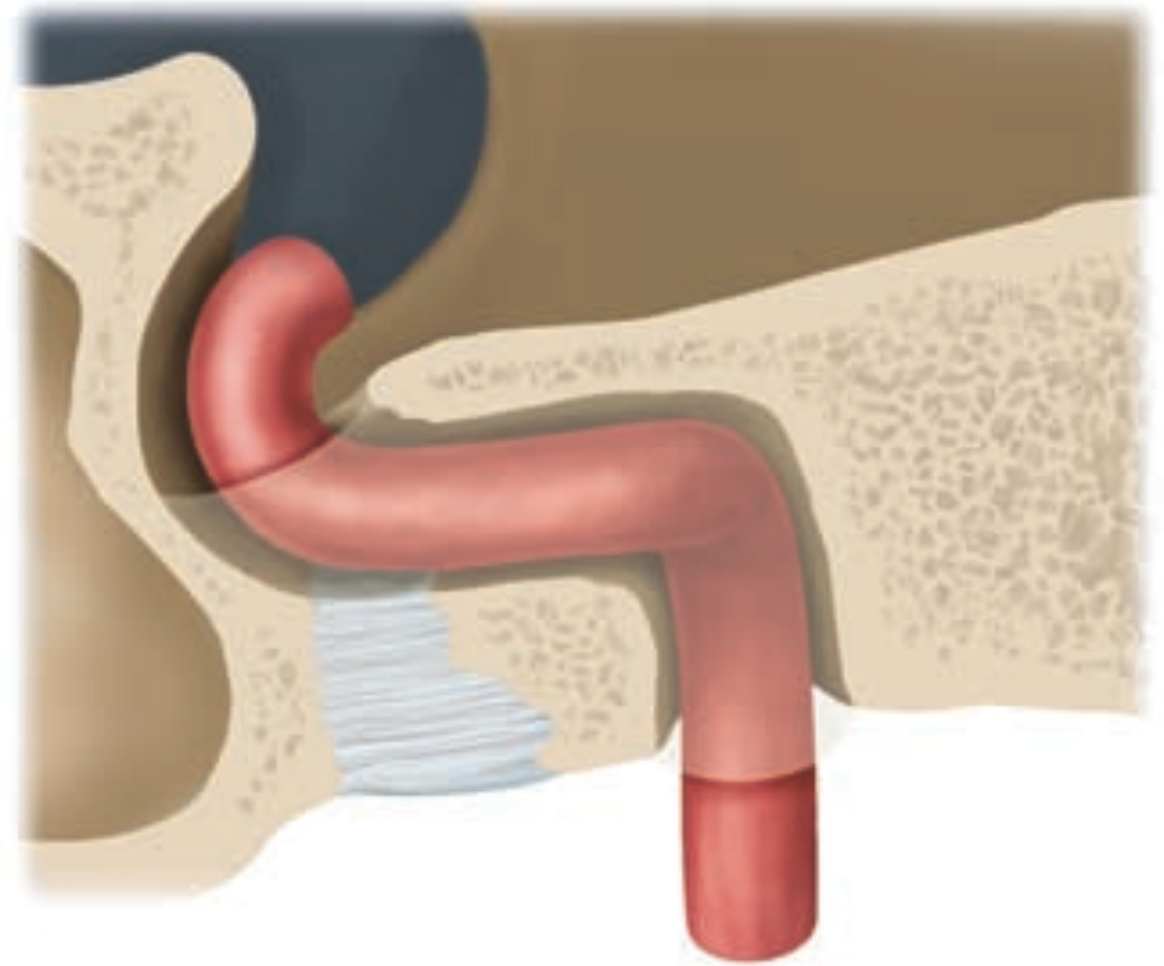


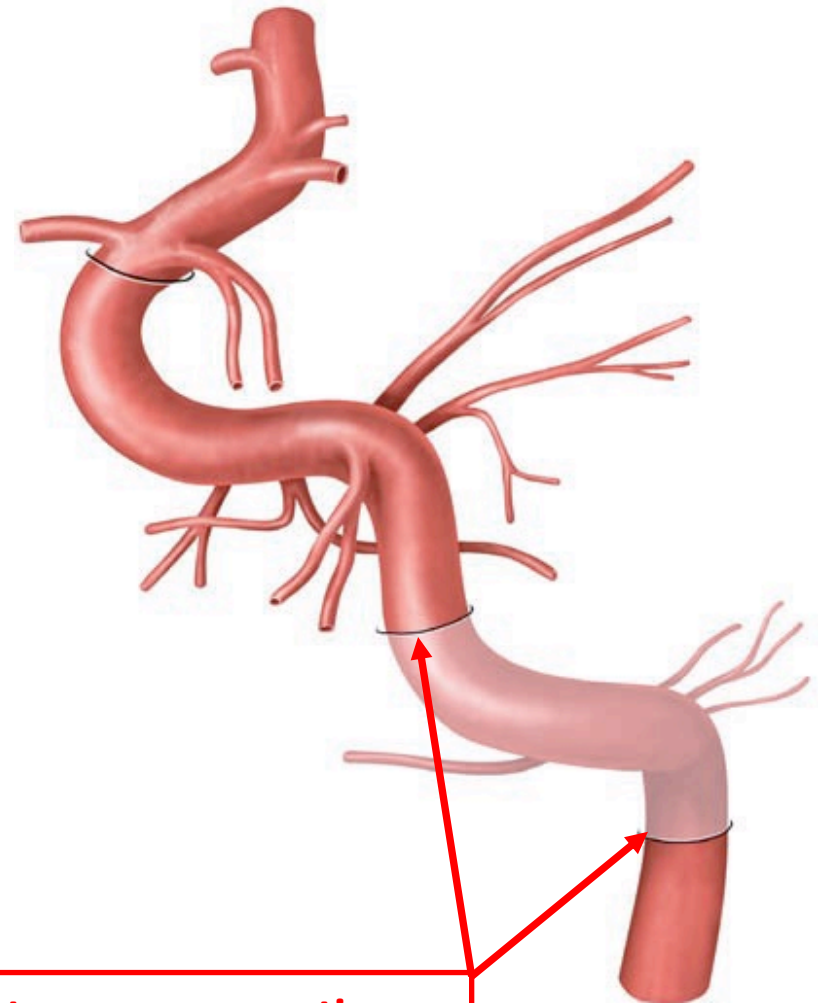
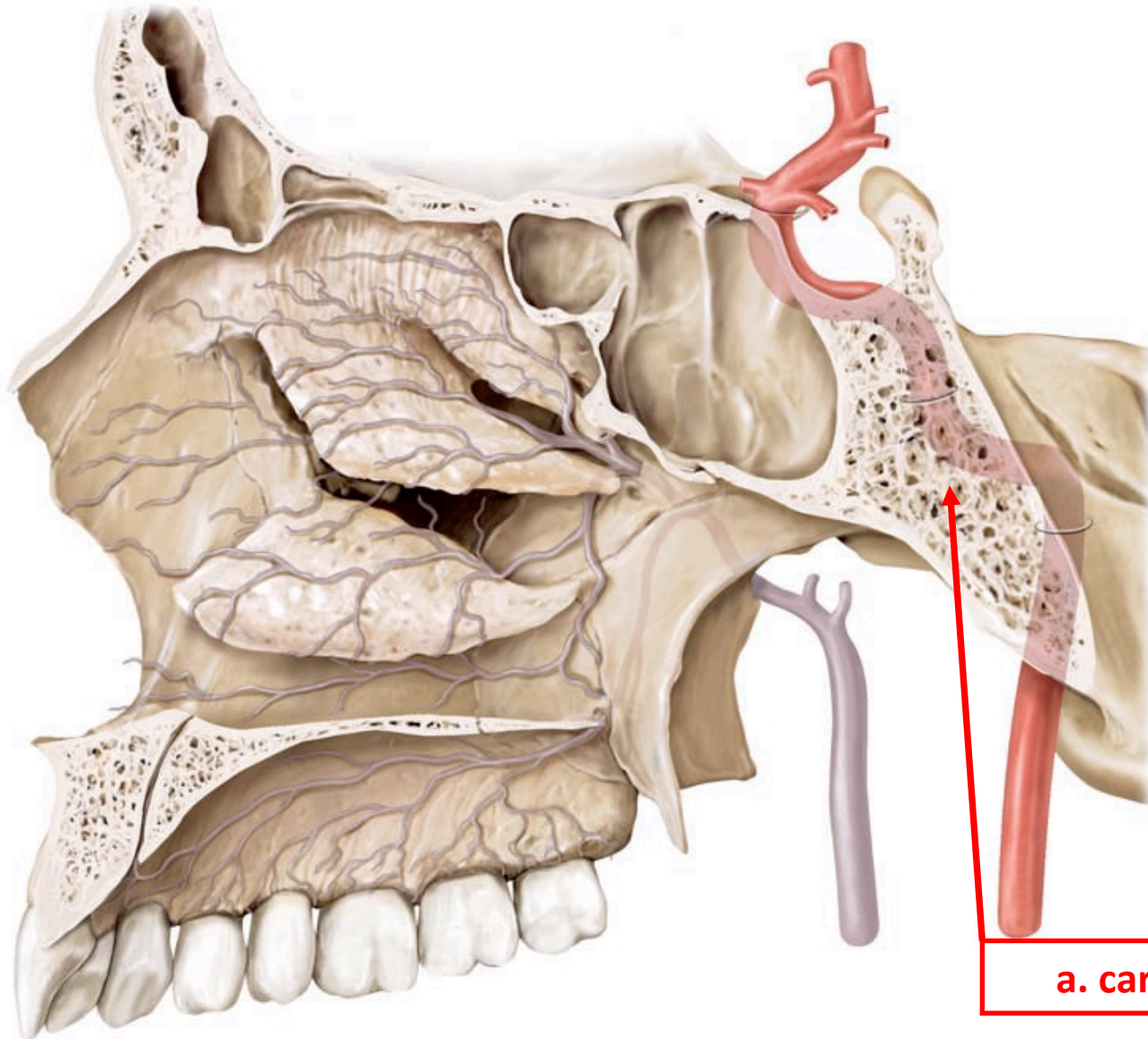
Clinically important aspects of the temporal bone anatomy

canalis caroticus

- ♦ Pars petrosa
- ♦ Injury - occlusiona. carotis interna
- ♦ Contralateral plegia of limbs
- ♦ In dominant haemisphere - aphasia
- ♦ Diagnostics - CT of a head
- ♦ Diagnostics of vessels
 - ♦ CT angiography
- ♦ Endovascular treatment
 - ♦ interventional radiology

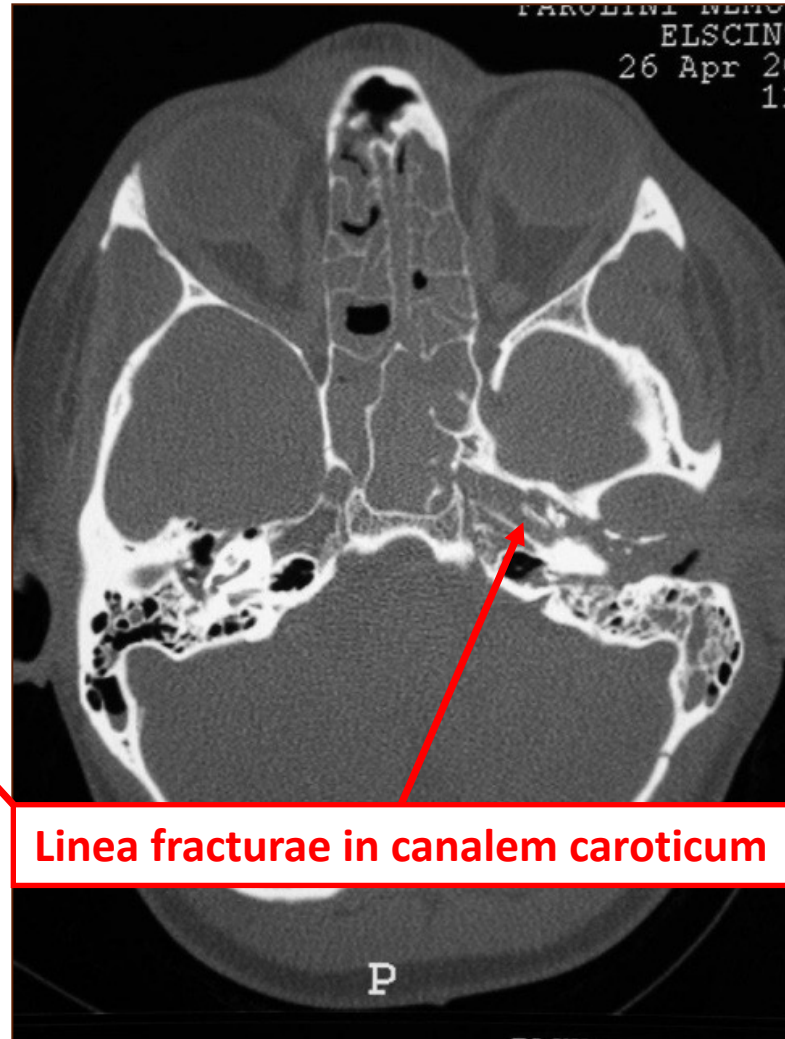
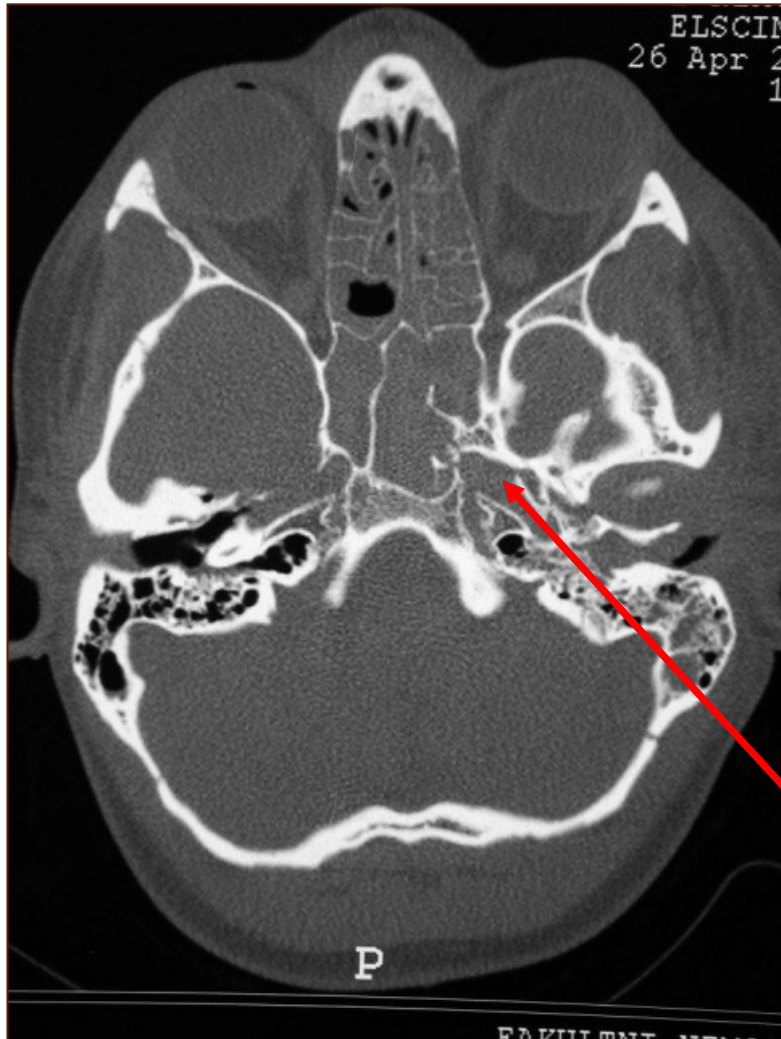


canalis caroticus

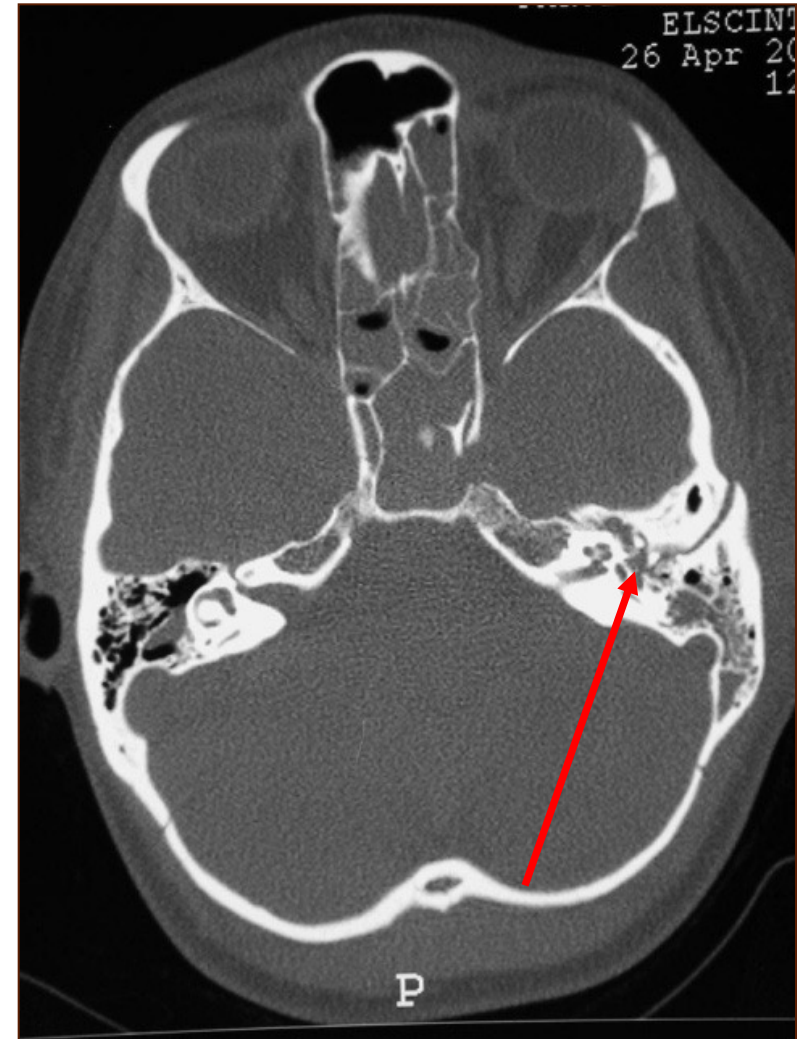


a. carotis interna, pars carotica

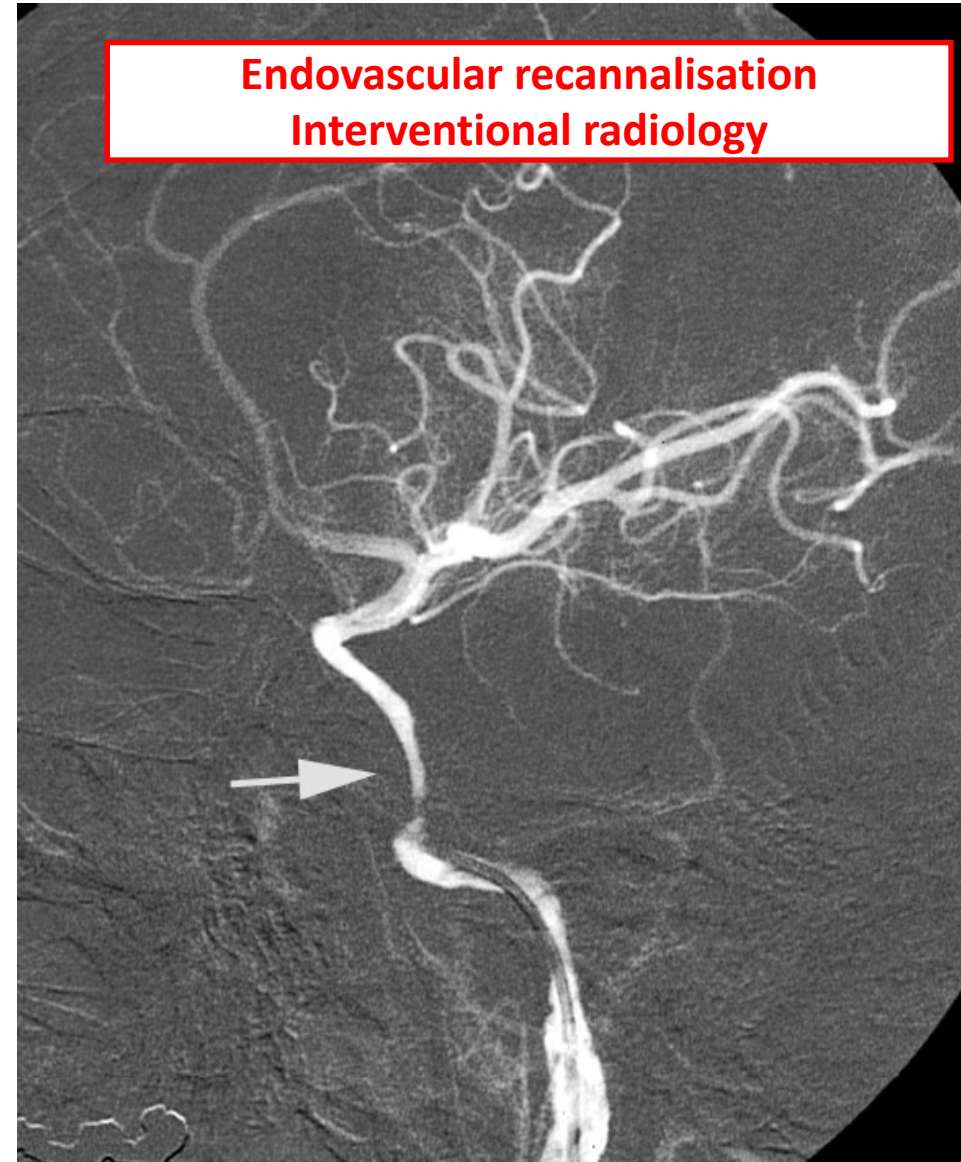
Fractura ossis temporalis - CT



Linea fracturae in canalem caroticum

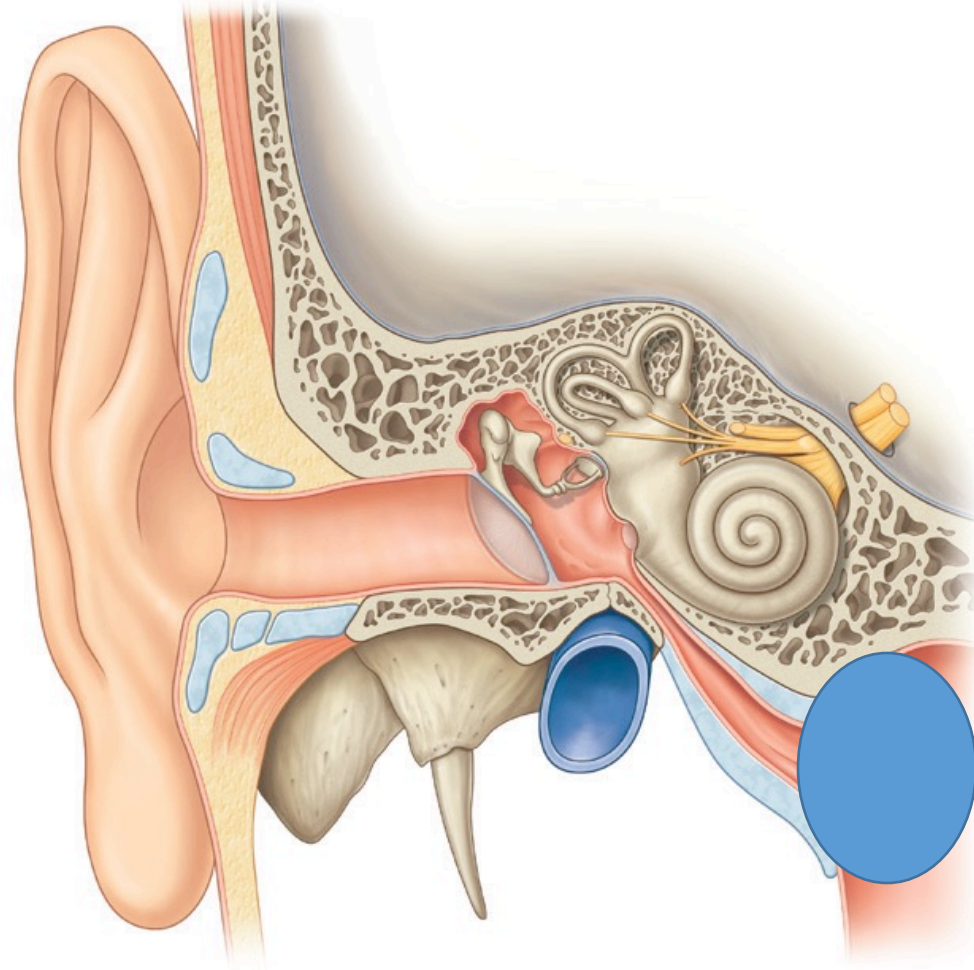


Occlusio a. carotis internae - endovascular therapy



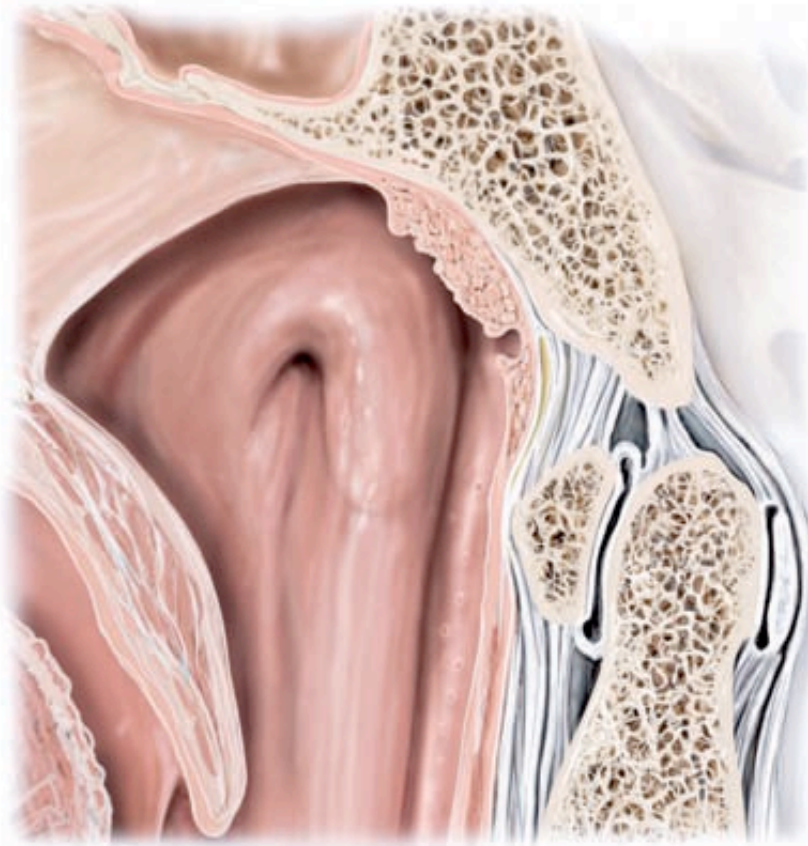
tuba pharyngotympanica - obstruction

- ♦ Adenoid vegetation
- ♦ Hyperplasia of pharyngic tonsilla
- ♦ Frequent cause of otitis media in children



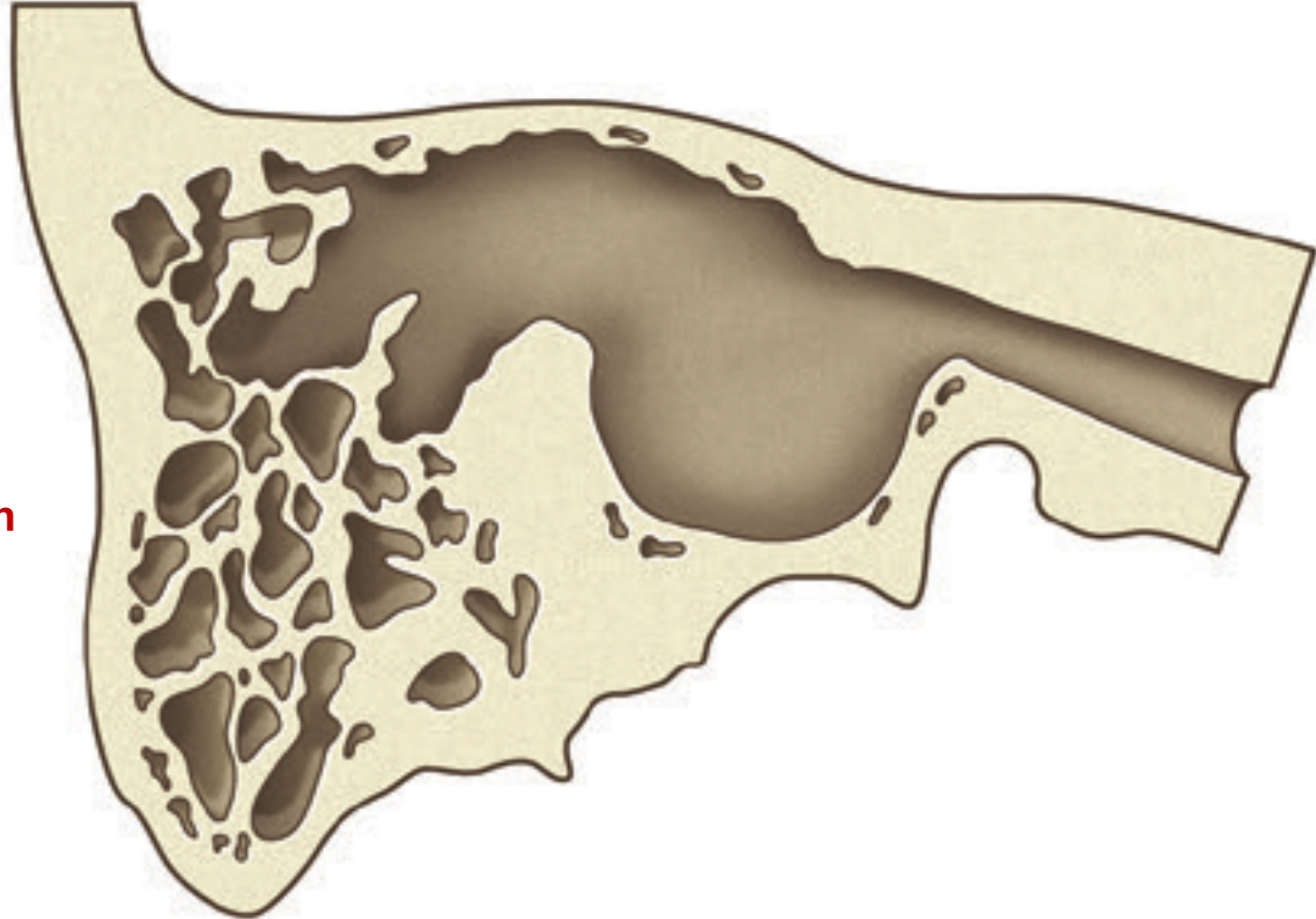
tuba pharyngotympanica - obstruction

- ♦ Adenoid vegetation
- ♦ Hyperplasia of pharyngic tonsilla
- ♦ Frequent cause of otitis media in children



Cavum tympani

- ♦ Occlusion of pharyngotympanic tube
- ♦ Loss of communication with pharynx
- ♦ Decreased air content
- ♦ Inflammation
- ♦ Acute otitis media
- ♦ Leads to
- ♦ Membrana tympani perforation -
- ♦ Spontaneous in untreated
- ♦ Paracentesis in treated, made by physician



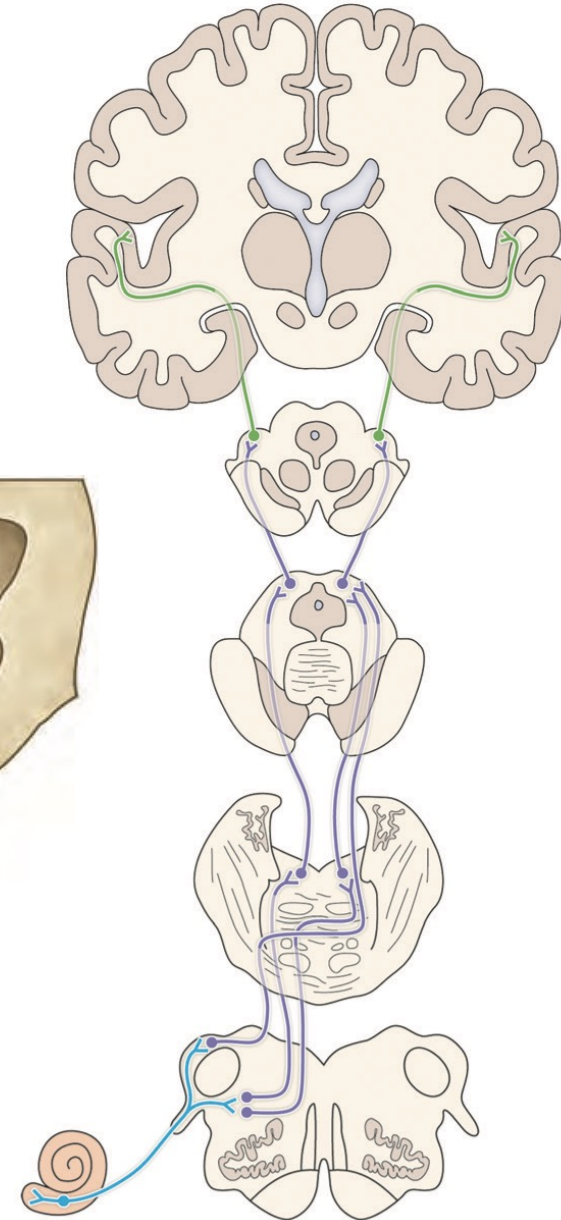
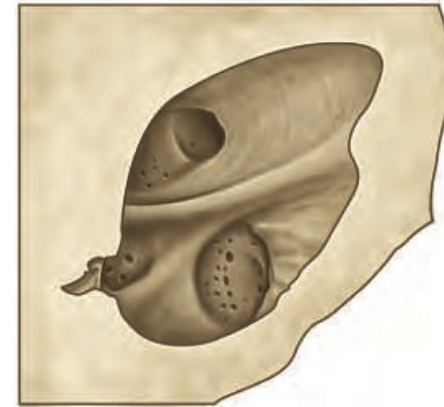
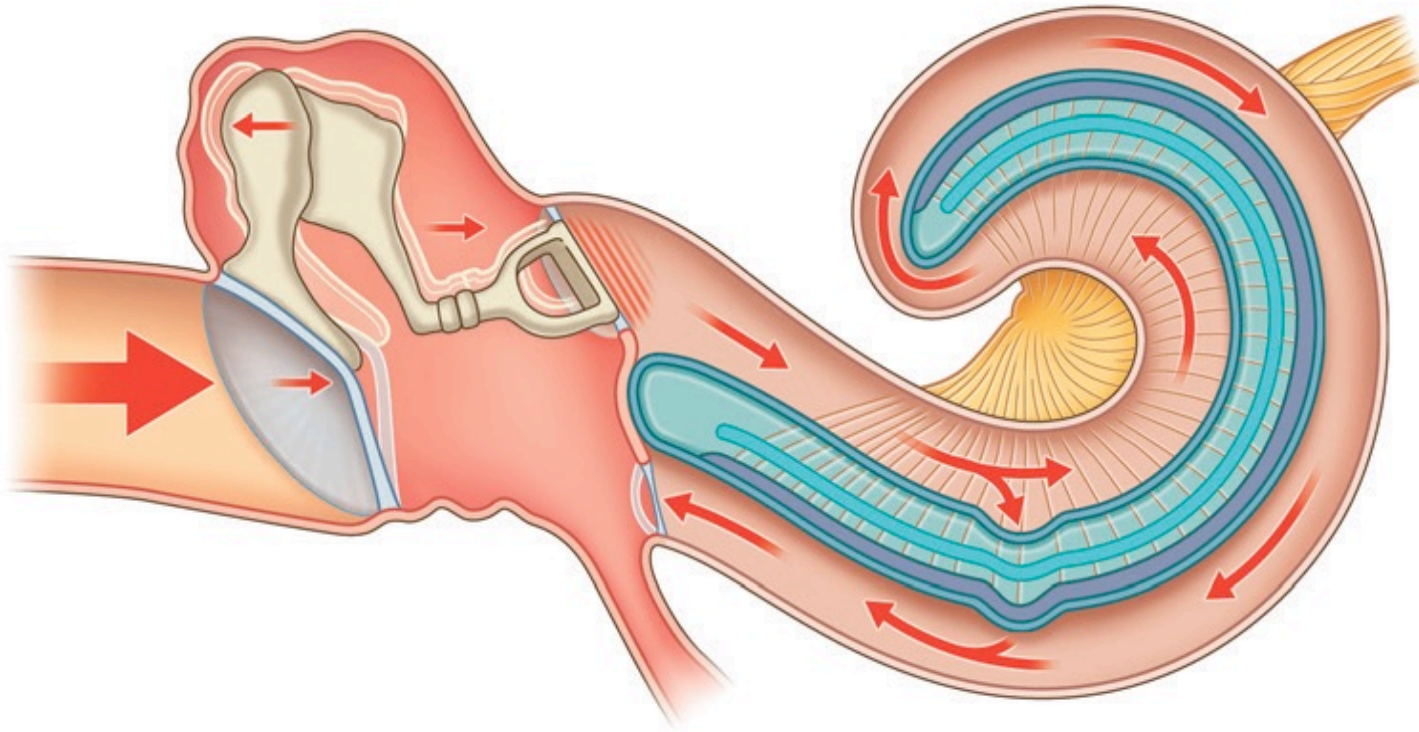
Mastoid fractures are open fractures



Fractura processus mastoideus

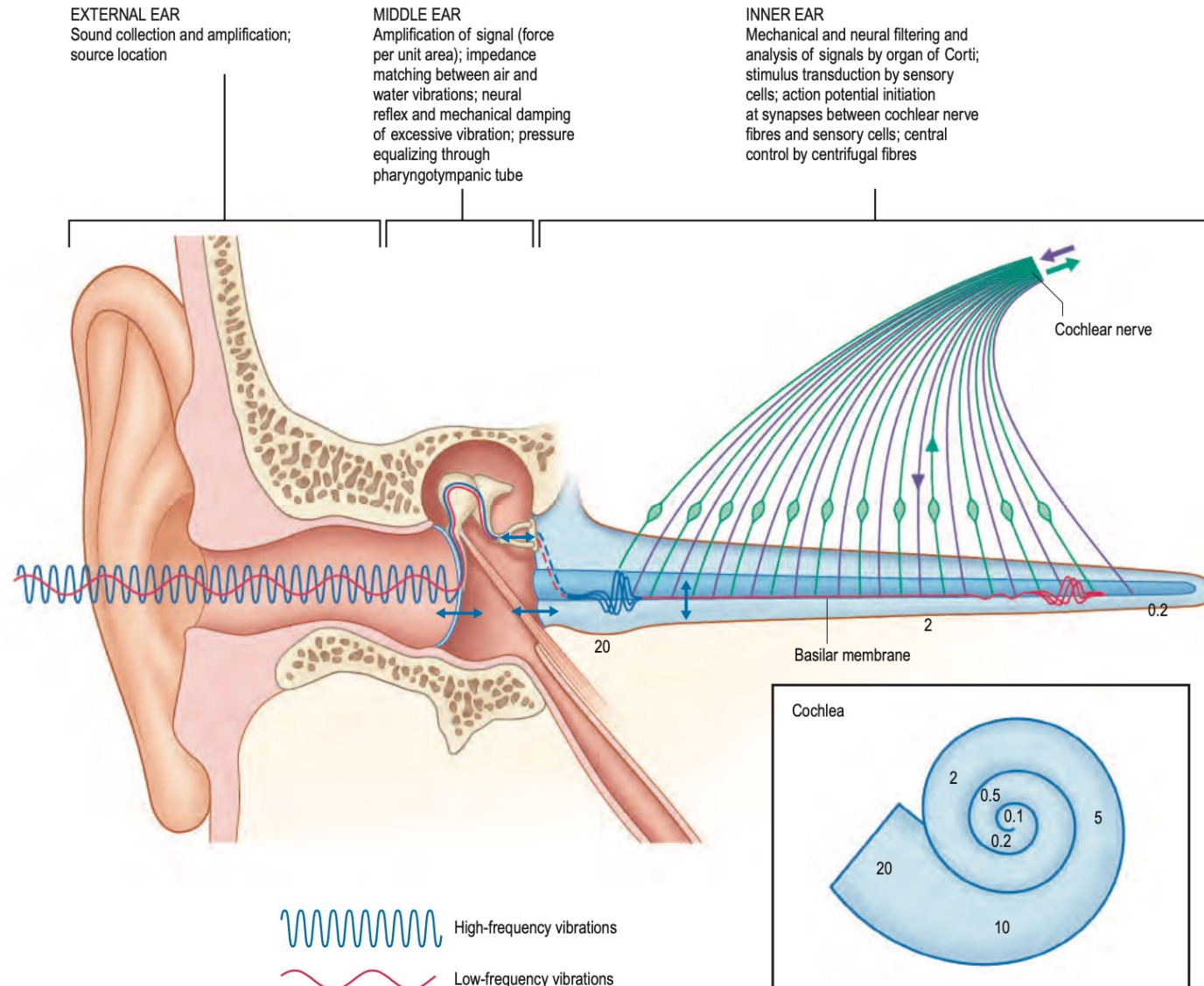
Sound spread in organum cochleare

- ♦ **Conduction disorders of hearing**
- ♦ **Worsening of air conduction**
 - ♦ Inflammation, trauma, tumors
 - ♦ Otosclerosis stapes fixed to fenestra ovalis
- ♦ **Persistent bony conduction**
 - ♦ Resonance of temporal bone



Frequency distribution of special sensation of sound

♦ Resonance frequency depends on diameter of cochlear tube



Clinically important aspects of the temporal bone anatomy