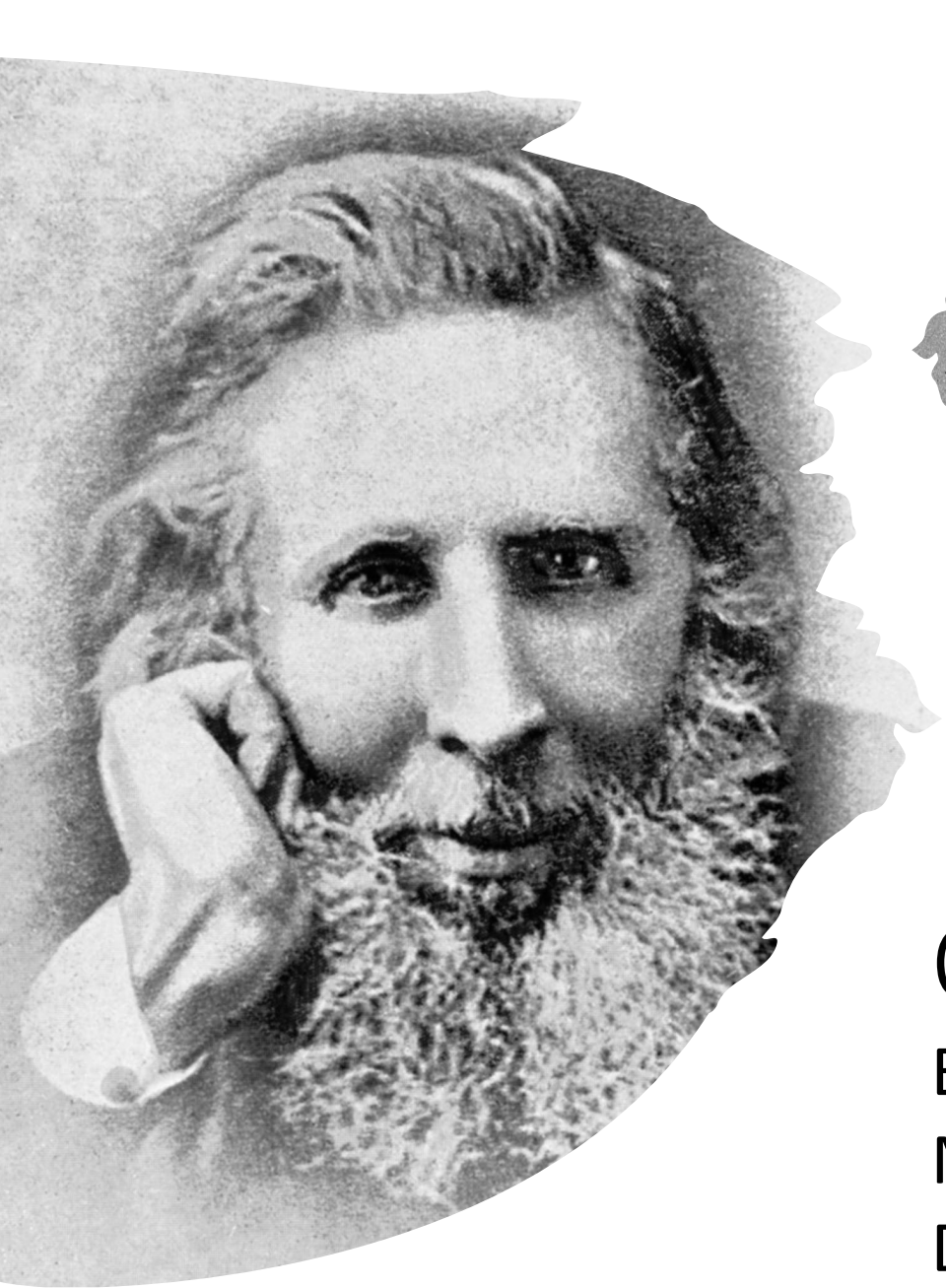




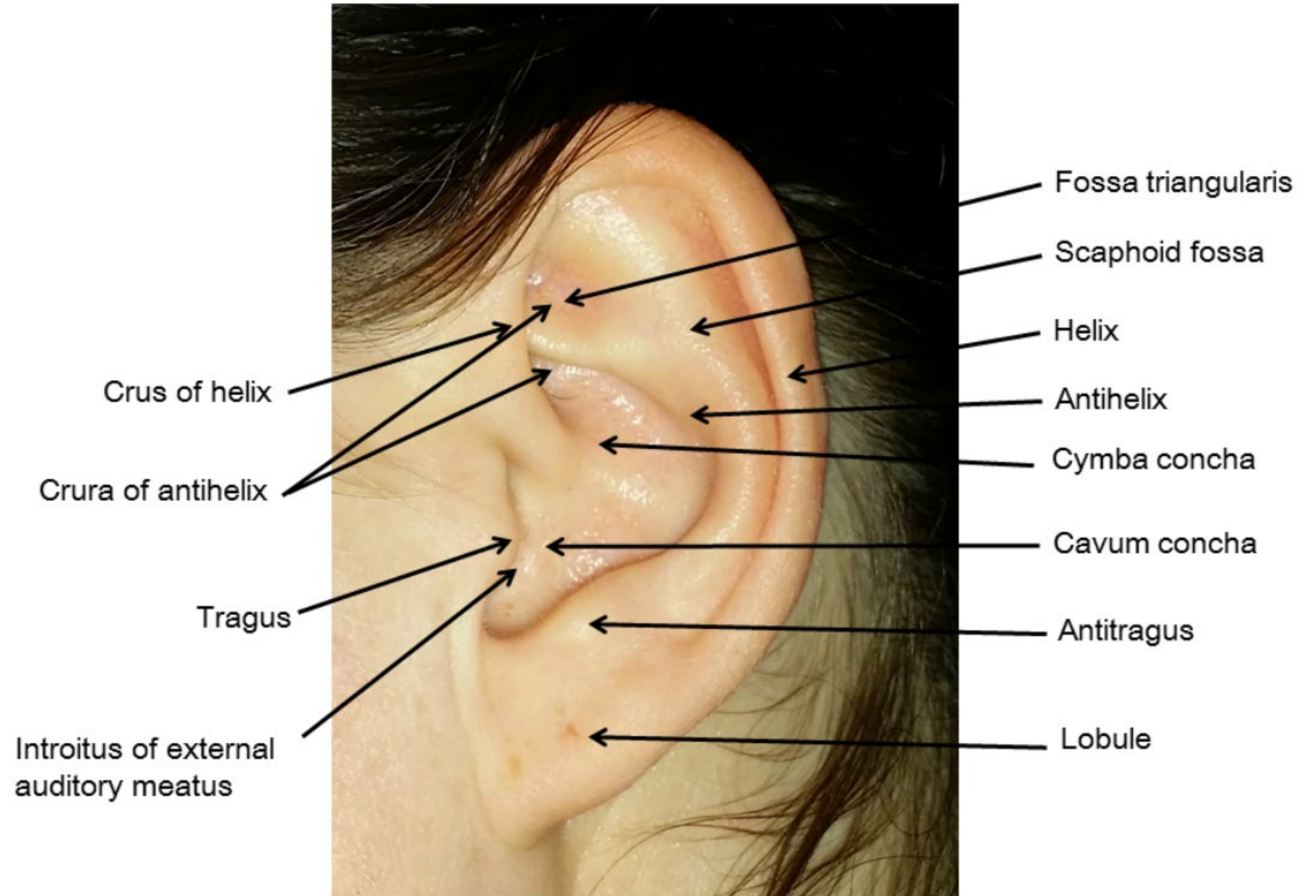
# Otology for the DOHNS

Eric Farrell

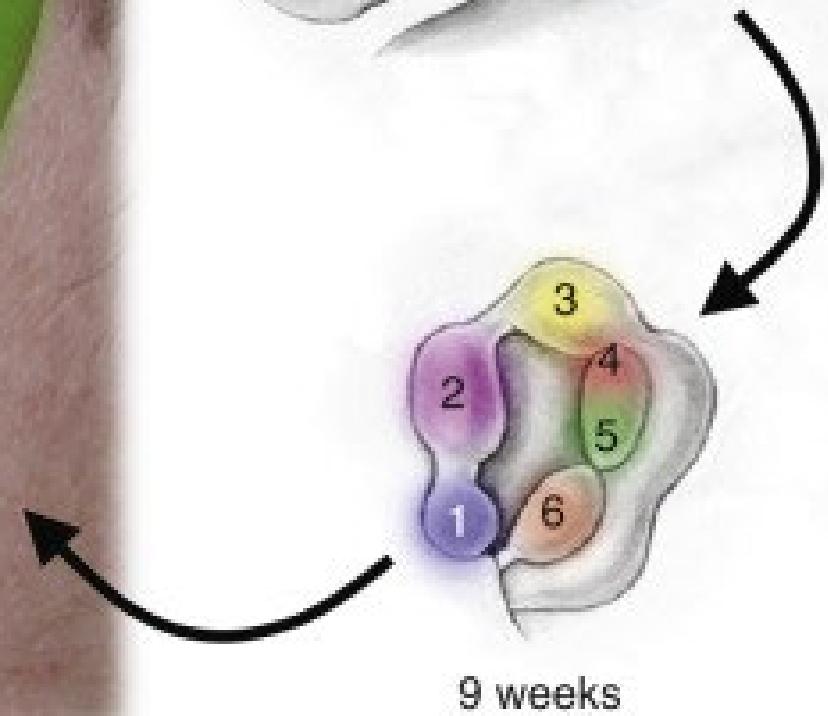
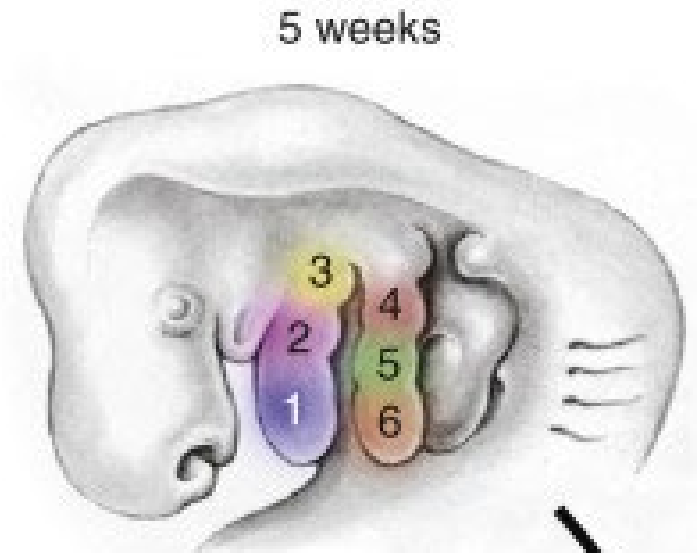
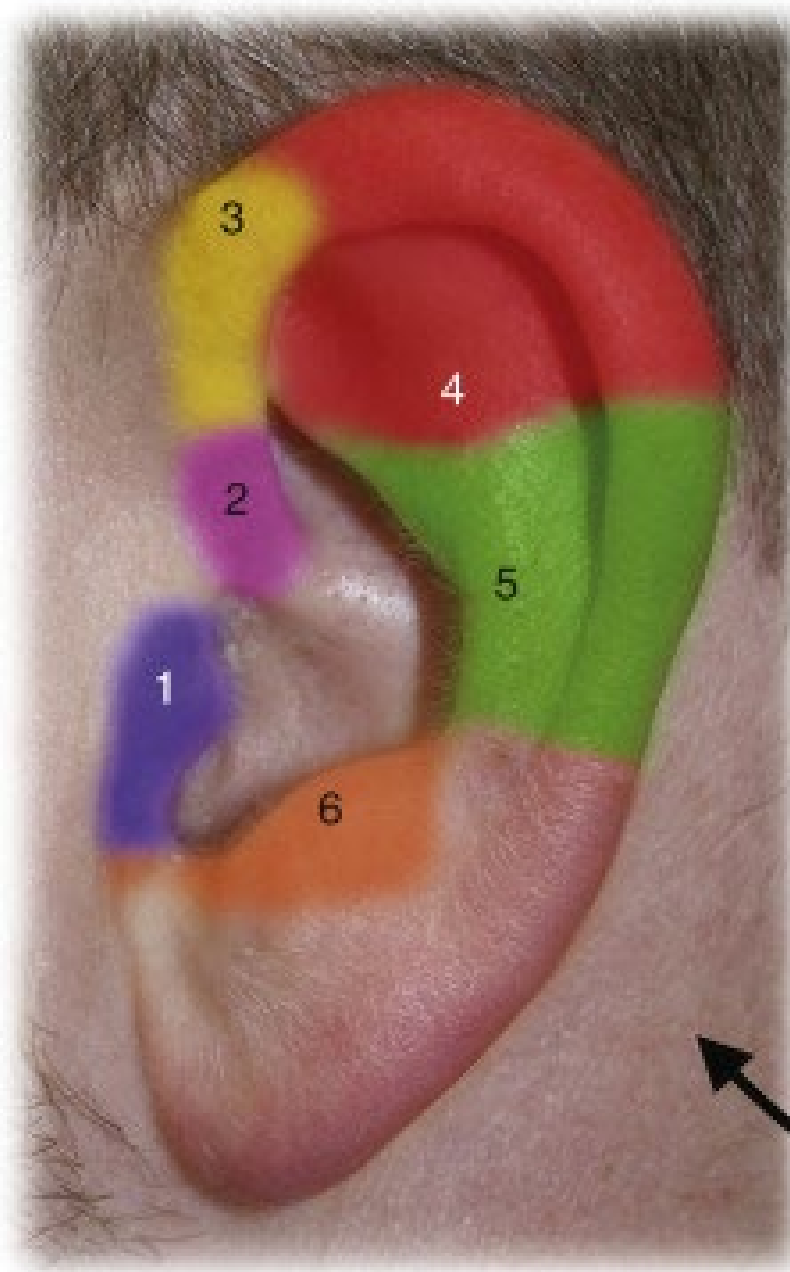
MRCS a & b

DOHNS a & b

# The Pinna

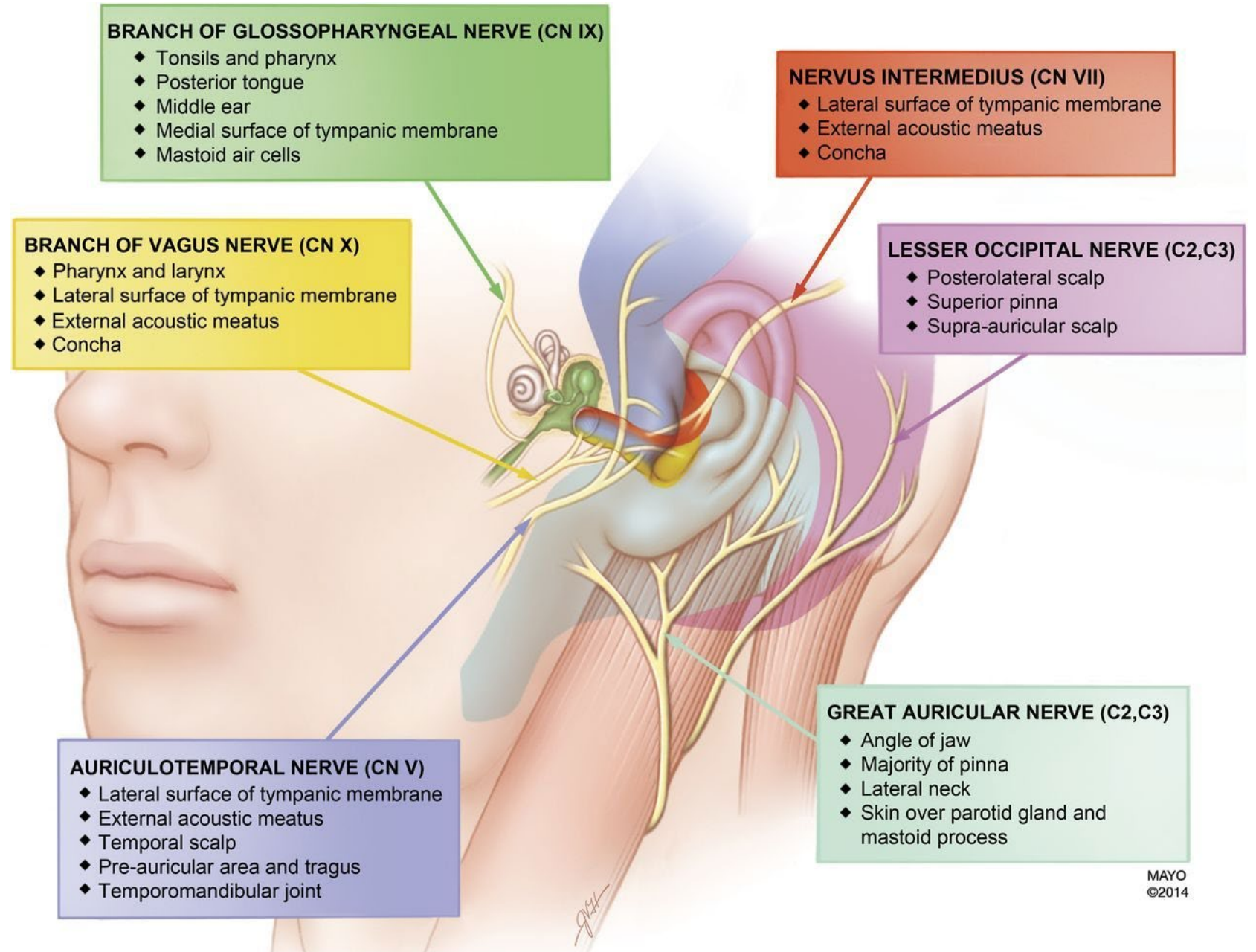


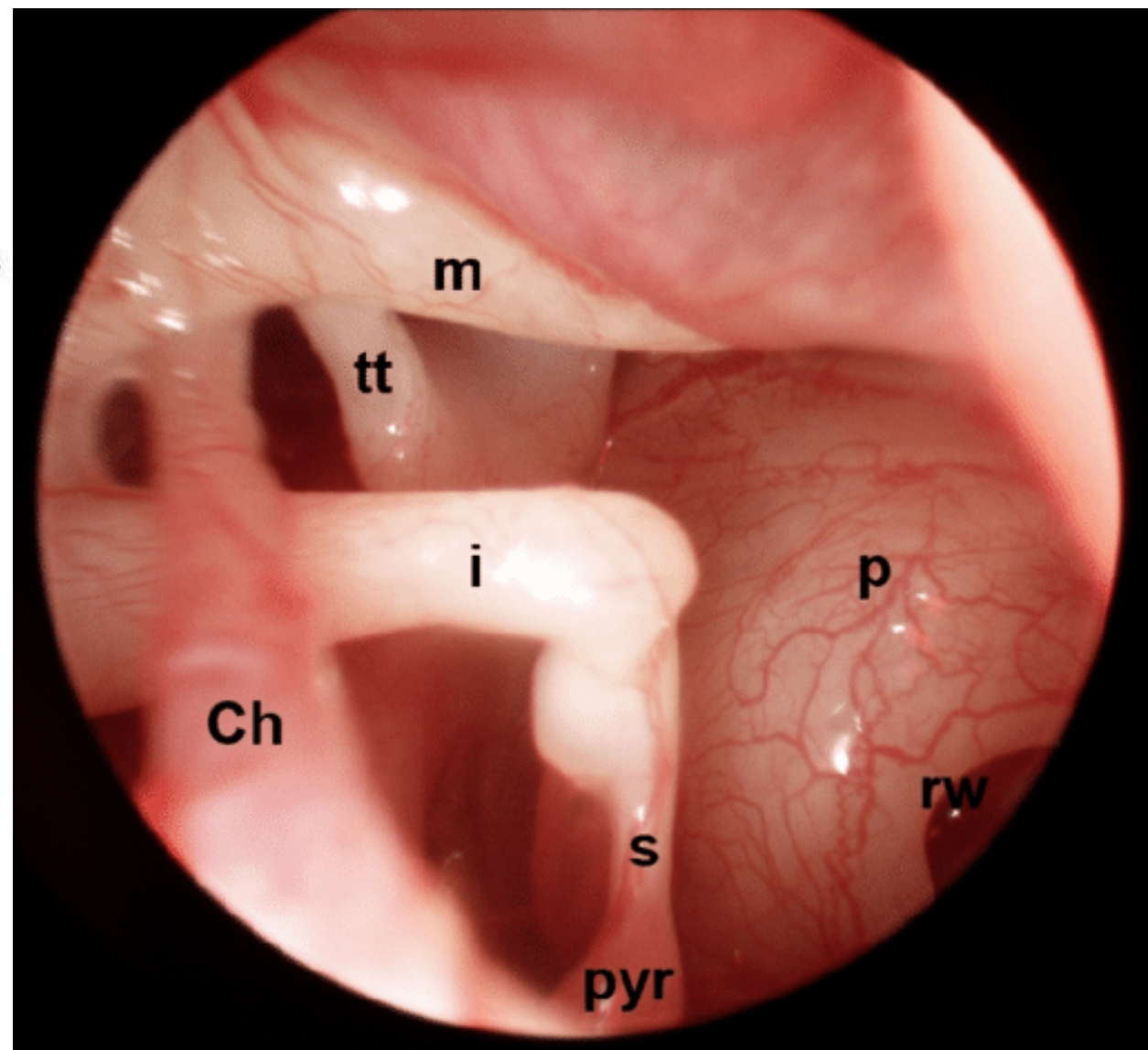
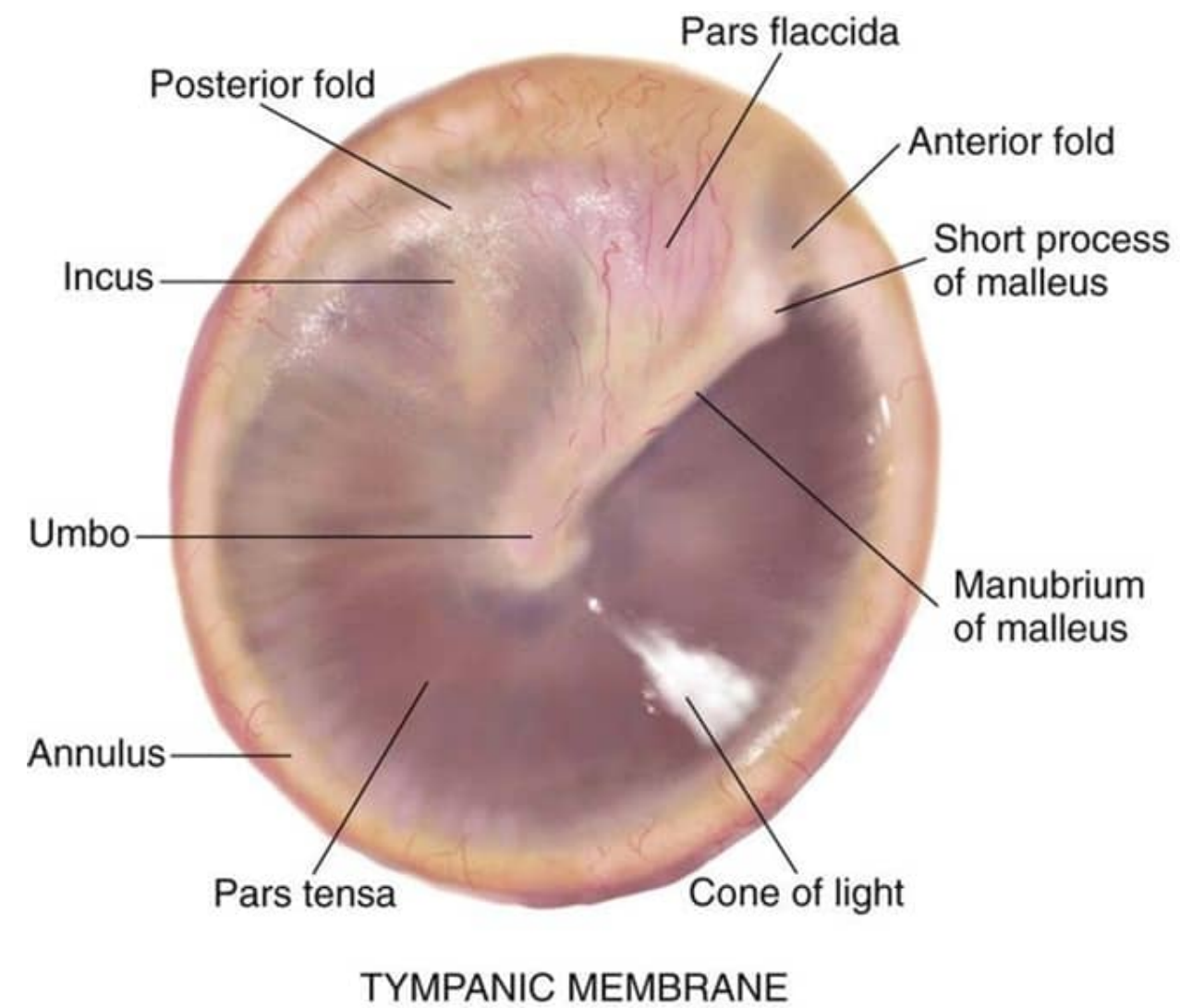
# The Pinna



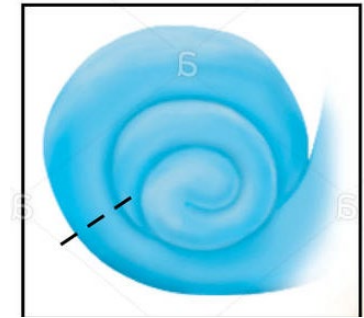
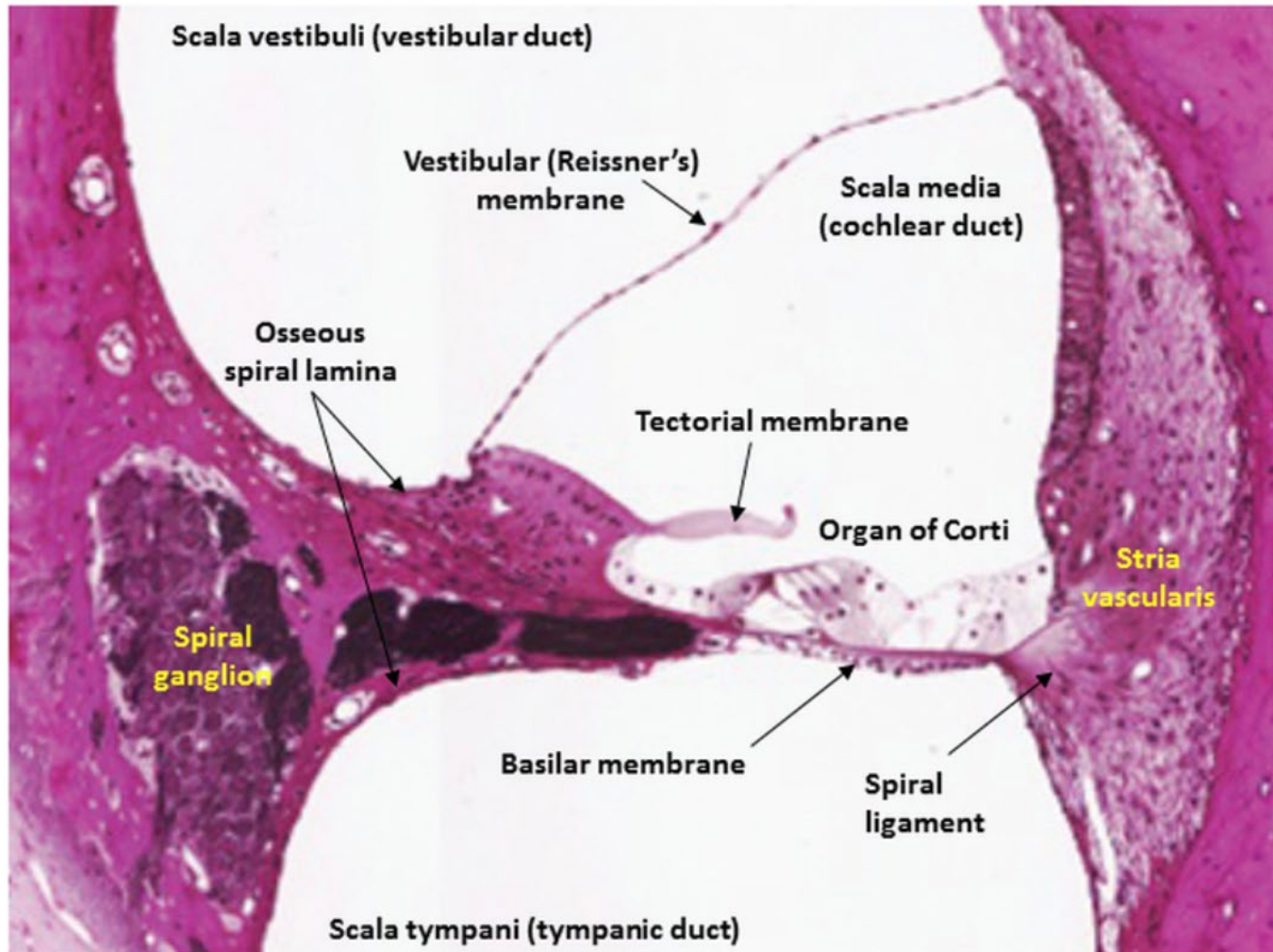
# The Pinna

4CN and 2 more



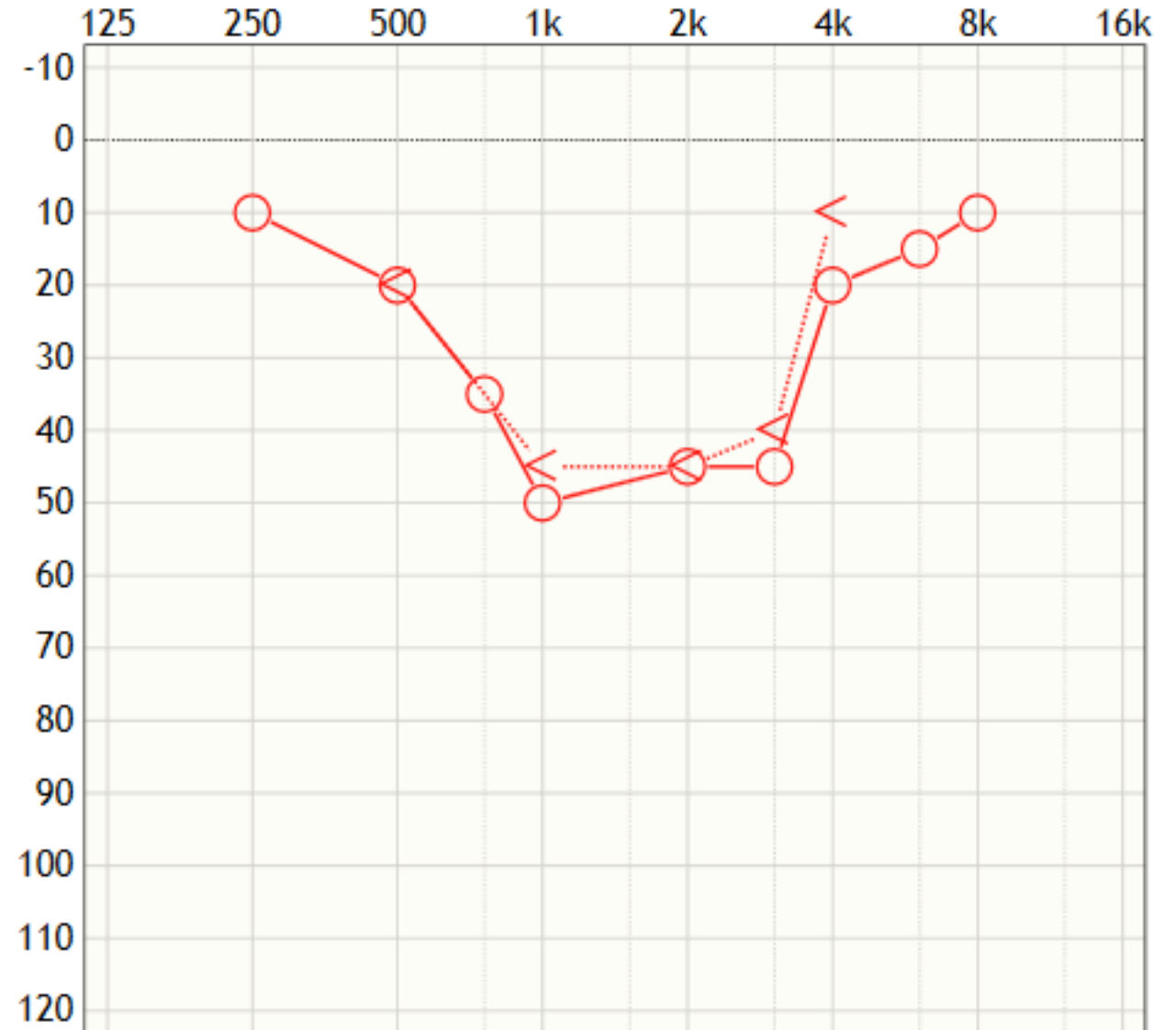


# Histological Cochlear Cross Section



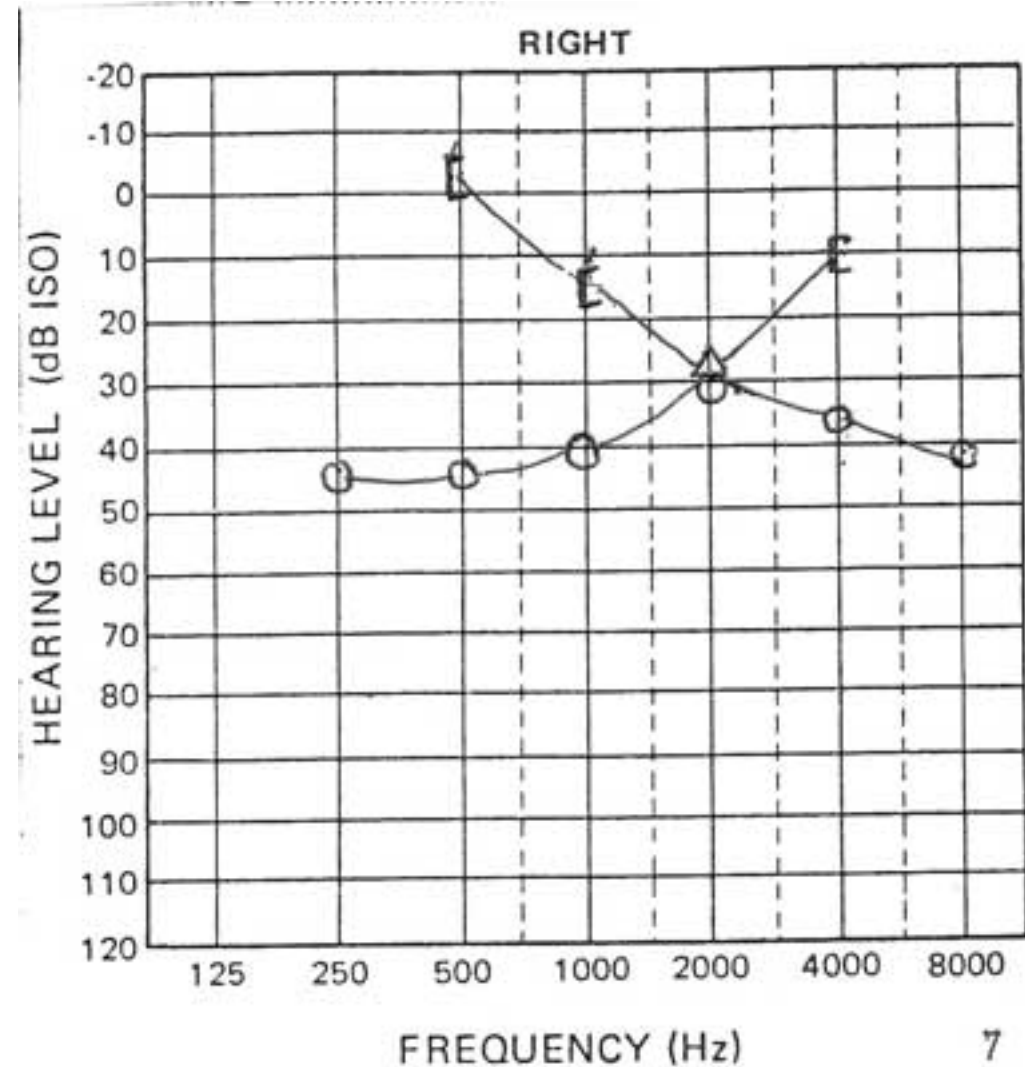
# Audiograms

- 6 year old child
- Subjective HL
- 37M
- Scuba diver
- Recent trip to Dalkey Island
- 16M
- Recurrent epistaxis
- Nasal obstruction



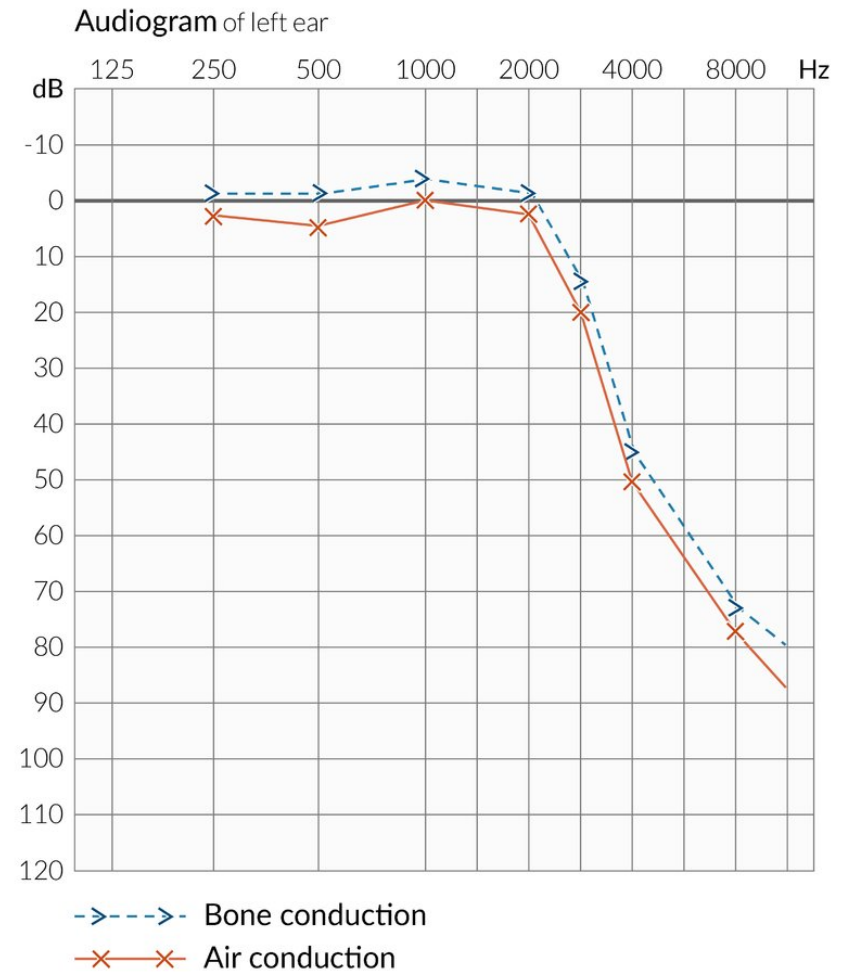
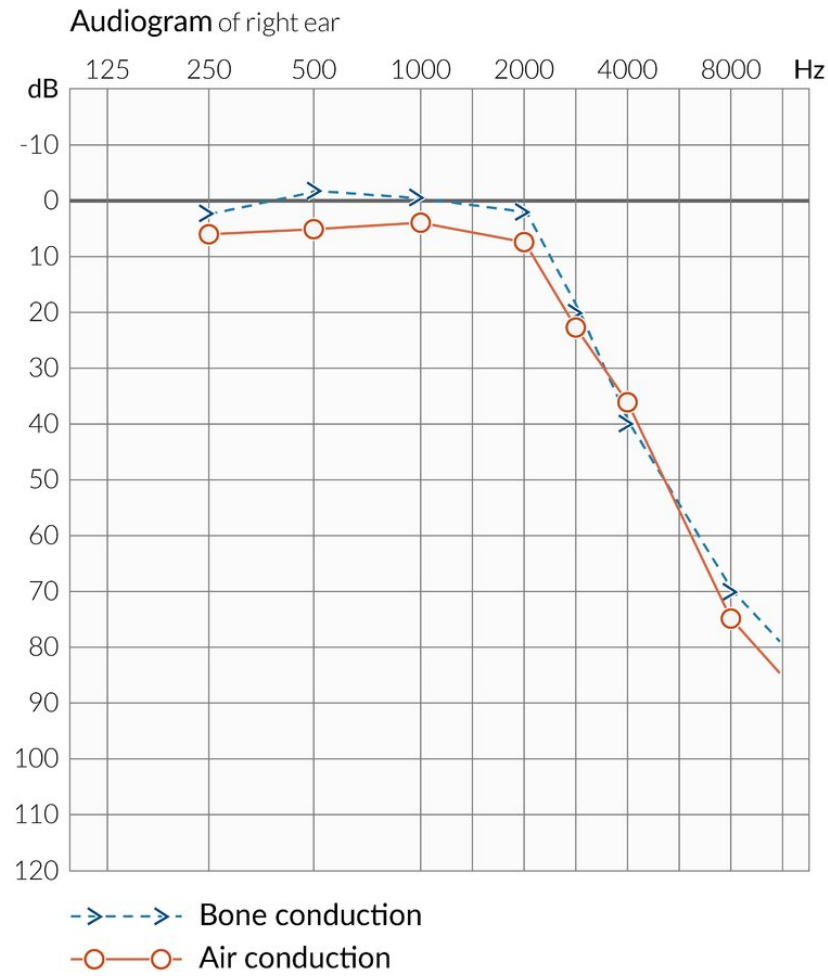
# Audiograms

- 29 year old artillery corporal
- In ear phone user
- Amateur drummer
- 35F
- Family Hx of hearing loss
- Worse during recent pregnancy
- 65M
- Recently started cisplatin therapy
- Long term clay pigeon enthusiast



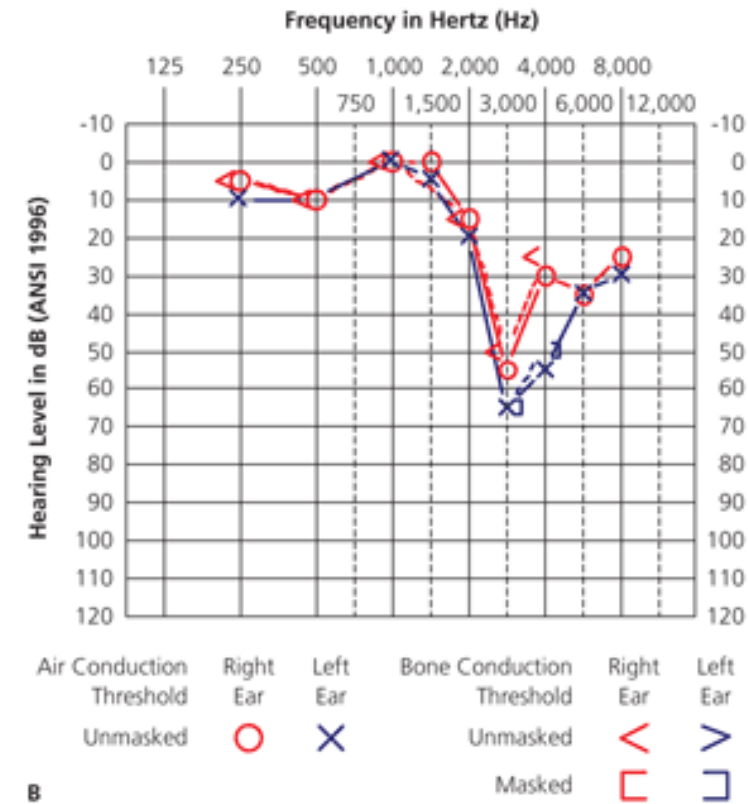
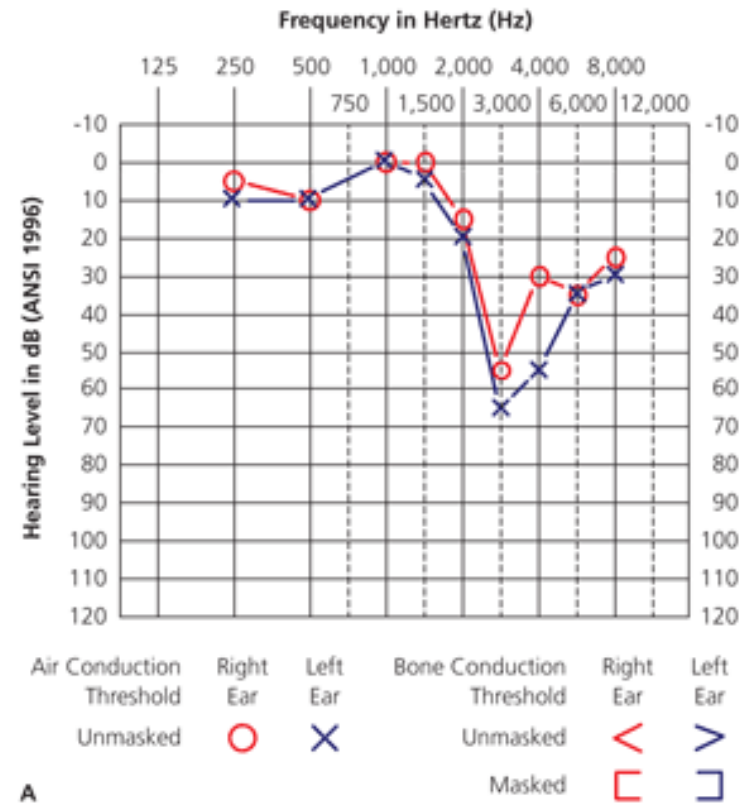
# Audiograms

- 86M
- Gradual hearing loss
- Hard to hear in a crowd
- 28F
- Doesn't like her job
- Prolonged sick leave
- Inconsistent results
- Wishes to sue Bose
- 15M
- Down hill skier



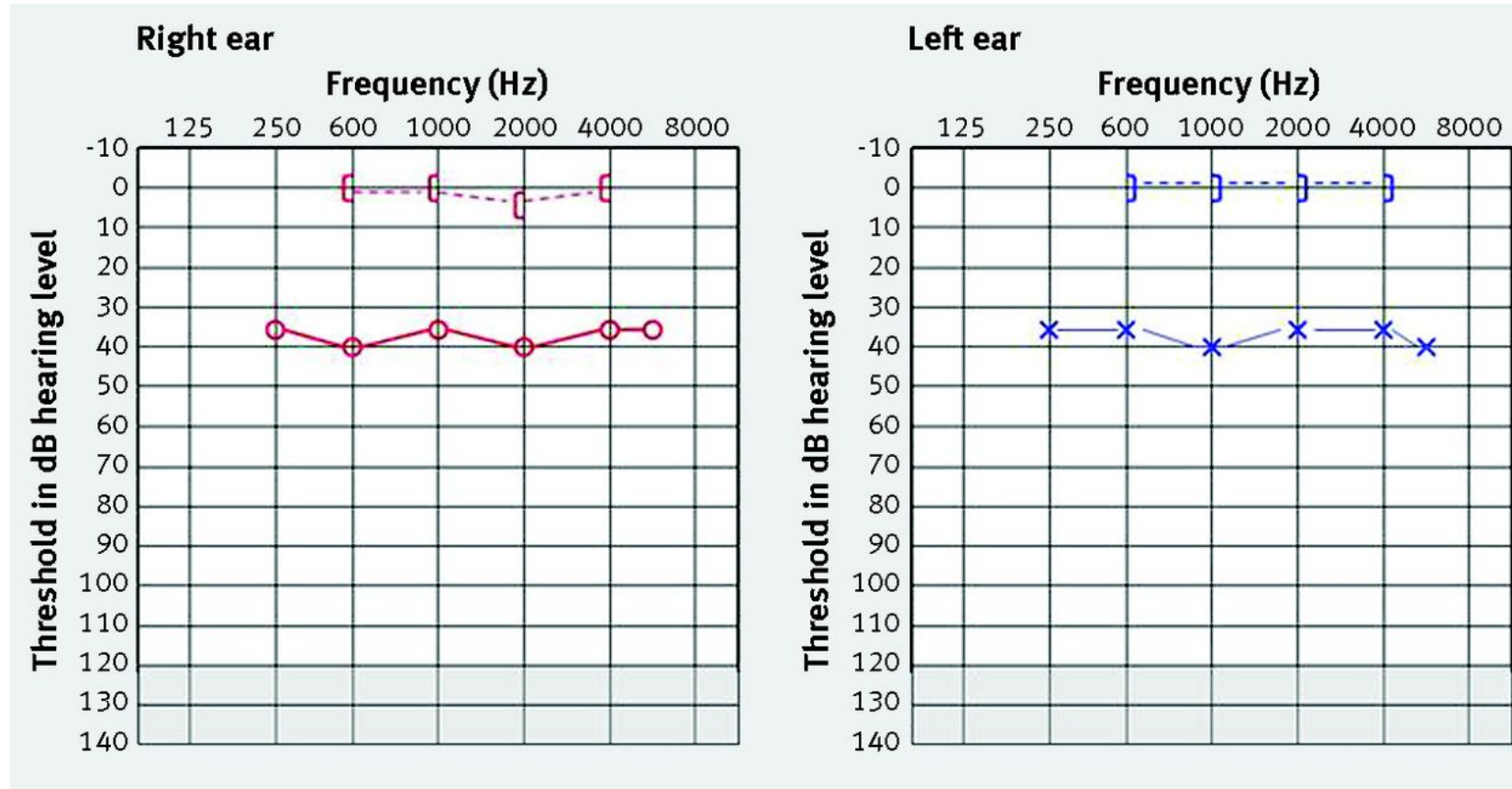
# Audiograms

- 55M
- Heavy metal singer
- No ear protection
- 29F
- Cochlear aplasia
- 28M
- Treacher collins syndrome
- Atresia of EAC
- Normal Inner ear

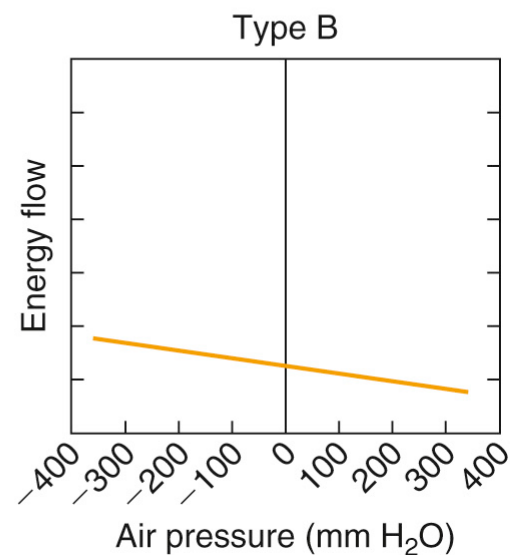
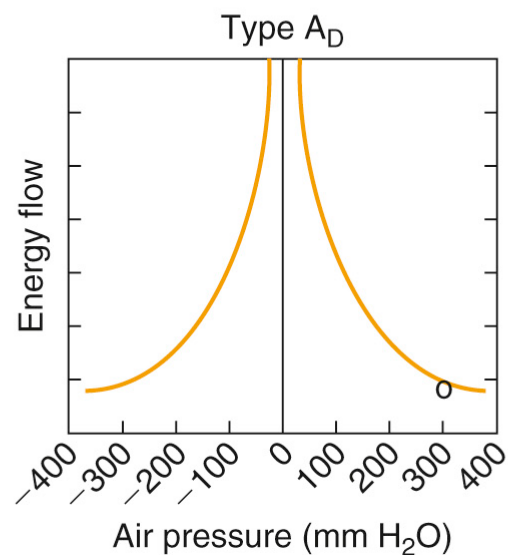
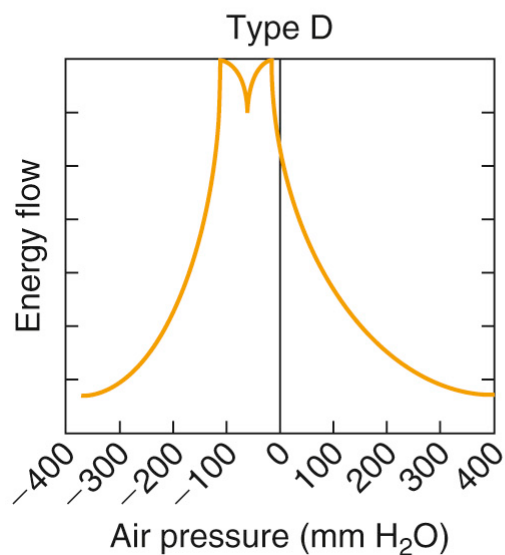
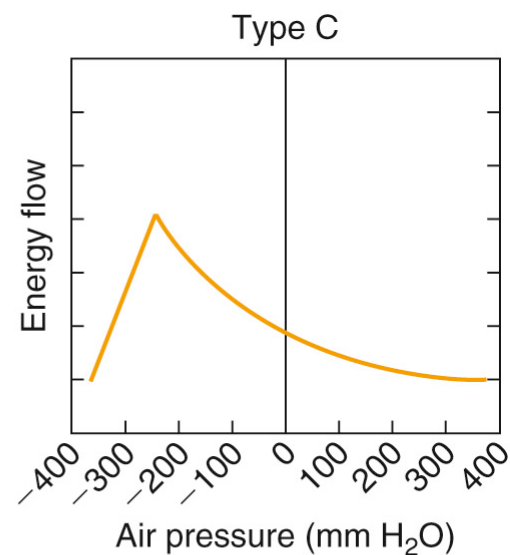
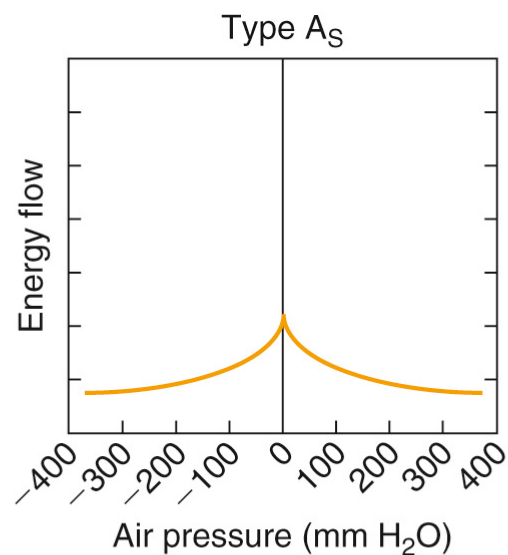
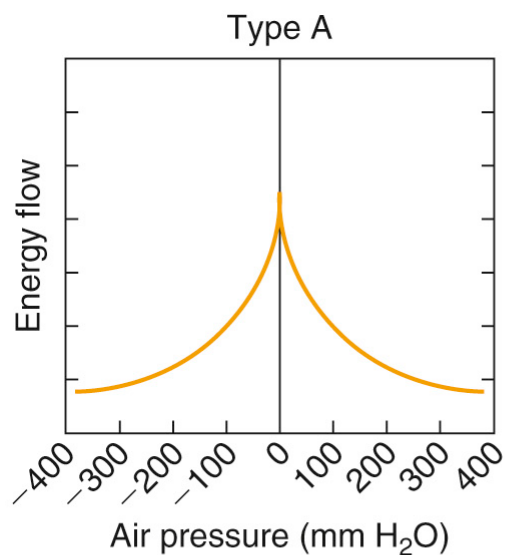


# Audiograms

- 79F
- Gradual hearing loss
- Prev cisplatin
- 4M
- Smoking household
- Lower SEC
- 28F
- Hearing loss
- Vertigo + Tinnitus

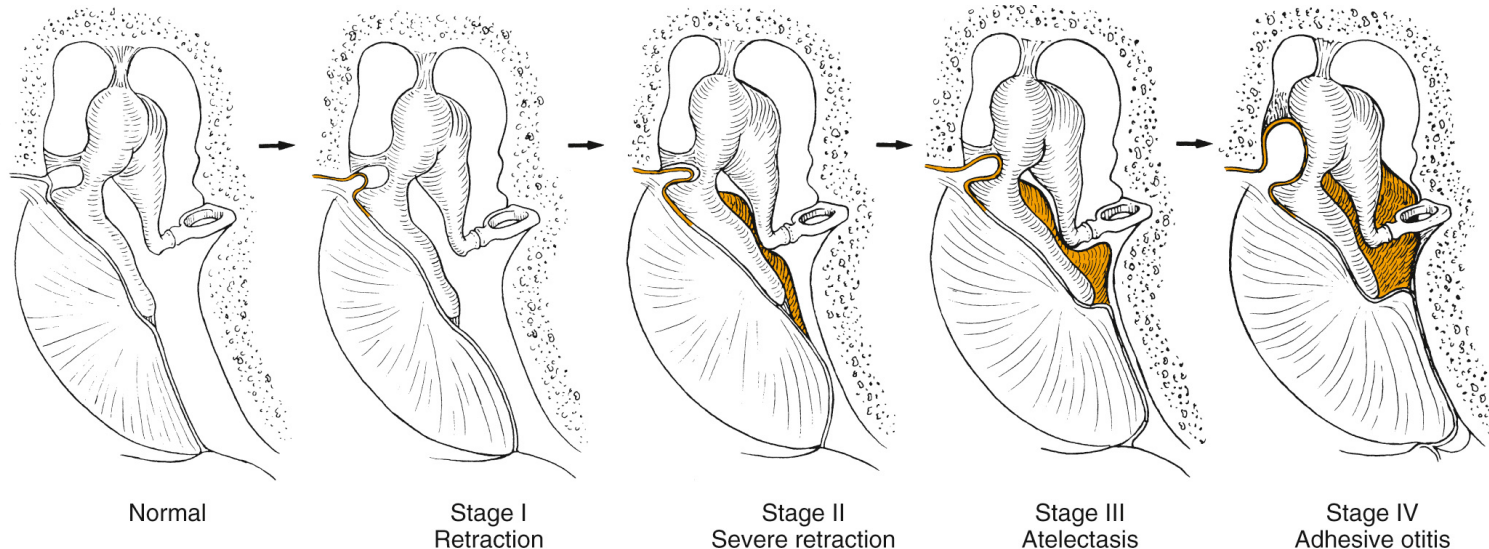


# Tympanograms



# Retraction pockets

| Grade | Tos                                                   | Sade                        |
|-------|-------------------------------------------------------|-----------------------------|
| I     | Retraction toward malleus neck                        | Retraction over annulus     |
| II    | Retraction on to malleus neck                         | Long process of incus       |
| III   | Beyond malleus, full extent of retraction pocket seen | Promontory but not adherent |
| IV    | Erosion of attic                                      | Adherent to promontory      |



# Tinnitus

- Aspirin- High doses, reversible
- Quinine- Malaria, night cramps
- Aminoglycosides- tinnitus +/- vestibular dysfunction
- Loop diuretics



# Vertigo

| Condition                                          | Duration                            | Hearing Loss                  | Tinnitus  | Aural Fullness  | Other Features         |
|----------------------------------------------------|-------------------------------------|-------------------------------|-----------|-----------------|------------------------|
| <b>Benign paroxysmal positional vertigo (BPPV)</b> | Seconds                             | –                             | –         | –               |                        |
| <b>Menière's disease</b>                           | Minutes to hours<br>Precedes attack | Uni/bilateral,<br>fluctuating | +         | Pressure/warmth |                        |
| <b>Vestibular neuronitis</b>                       | Hours to days                       | –                             | –         | –               |                        |
| <b>Labyrinthitis</b>                               | Days                                | Unilateral                    | Whistling | –               | Recent AOM             |
| <b>Acoustic neuroma</b>                            | Chronic                             | Progressive                   | +         | –               | Ataxia<br>CN VII palsy |

# Other Basics

- History taking and the relevant red flags
- Pinna haematoma management
- Op note for grommet insertion
- Bacteria causing OME
- Rules for masking in audiology
- Bacteria causing OE and treatment options
- Types of Hearing aids and indications/contraindications
  - BTE, CROS, Bone conduction, Cochlear implant



# Night before the exam...

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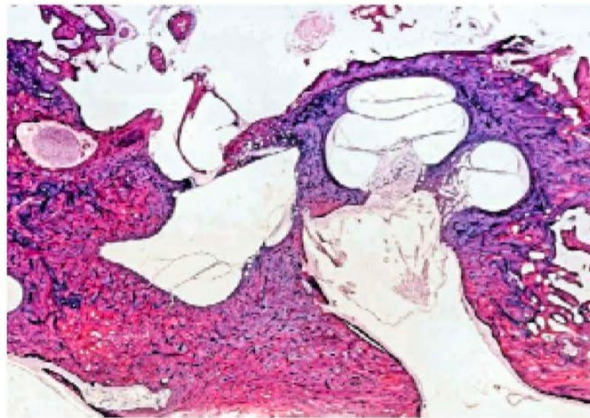
- Paediatric syndromes and associations
- Picture stations, labelling
- Red flags in ENT
- Emergency management
  - Epistaxis
  - Foreign body airway
  - Post tonsil bleed
  - Pinna haematoma



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ENT ★ TZAR

**DO-HNS and MRCS (ENT) OSCE  
GUIDE**



**Ricardo Persaud,  
Wai Sum Cho, Antonia Tse  
Konstantinos Argiris & Henry Pau**

*Foreword by* **Professor Antony Narula FRCS**

