

# Ear Learning Objectives

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## Basic Sciences

Understand the anatomy, physiology, and histology of the outer, middle, and inner ear, including the cochlear and vestibular nerves

## Clinical Presentations of Ear-Related Pathologies

Develop a clinical approach and differential diagnosis for the following complaints:

- Ear Pain
- Hearing Loss
- Tinnitus
- Dizziness / Vertigo

## Conditions of the Ear

Develop a basic understanding of the following conditions related to the auditory system:

- Acoustic Neuroma
- Benign Paroxysmal Positional Vertigo (BPPV)
- Cerumen
- Cholesteatoma
- Congenital Hearing Loss
- Exostoses
- Facial nerve paralysis
- Labyrinthitis
- Meniere's Disease
- Necrotizing Otitis Externa
- Noise-Induced Hearing Loss
- Otitis Externa
- Otitis Media (serous and acute)
- Otosclerosis
- Presbycusis
- Sudden Sensorineural Hearing Loss
- Temporal Bone Fracture
- Vestibular Neuritis

## Essential Clinical Skills

- Interpreting Audiograms
- Dix-Hallpike Maneuver
- Otoscopy
- Particle Repositioning Maneuver
- Pneumatic Otoscopy
- Tuning Fork Testing
- Tympanometry