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| **Otology & Neurotology Section – General Logbook**

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| **1. DISEASES / DISORDERS OF THE EAR** |
| **Auricle** |
| Congenital malformations |
| Infections |
| Inflammatory |
| Benign & malignant tumours |
| Traumatic injuries |
| **Ear Canal** |
| Congenital malformations |
| Infections |
| Inflammatory |
| Benign & malignant tumours |
| Exostoses |
| Necrotizing otitis externa |
| Keratosis obturans |
| Traumatic injuries |
| **Eardrum & Middle Ear** |
| Congenital malformations |
| Acute & chronic otitis media  |
| Benign & malignant tumours |
| Traumatic injuries |
| Barotrauma |
| Eustachian tube dysfunction |
| Conductive hearing loss in adults & children (congenital & acquired) |
| **Inner Ear & Lateral Skull Base** |
| Congenital malformations |
| Sensorineural hearing loss in adults & children (congenital & acquired) |
| Peripheral vestibular disorders |
| Causes of tinnitus (including pulsatile tinnitus) & hyperacusis |
| Benign & malignant tumours |
| Infective disorders |
| Traumatic injuries |

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| **2. HISTORY** |
| **Specific** |
| Hearing loss |
| Tinnitus (including pulsatile tinnitus) |
| Vertigo / Imbalance / Dysequilibrium |
| Hyperacusis |
| Otalgia |
| Otorrhoea |
| Autophony |
| Tullio phenomenon |
| Facial paresis |
| **General** |
| Family history of hearing or balance disorders |
| Past history of ear infections |
| Past history of otological surgery |
| Head trauma |
| Noise exposure |
| Ototoxic usage / exposure |
| Migraine |
| Perinatal history |
| History of meningitis |
| TORCH infection |
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| **3. CLINICAL EXAMINATION** |
| **a) CLINICAL EXAMINATION** | **Date when knowledge is achieved** | **Signature of Trainer** |
| 1 | Otoscopy |  |  |
| 2 | Microscopy |  |  |
| 3 | Oto-endoscopy |  |  |
| **b) HEARING FUNCTION** |  |  |
| 4 | Tuning fork tests  |  |  |
| 5 | Clinical hearing tests |  |  |
| **c) VESTIBULAR FUNCTION** |  |  |
| 6 | Nystagmus |  |  |
| 7 | Head Impulse test (Halmagyi test) |  |  |
| 8 | Fistula test |  |  |
| 9 | Dix Hallpike test |  |  |
| 10 | Heel toe test (tandem gait test) |  |  |
| 11 | Unterbergers test |  |  |
| **d) NEUROLOGICAL FUNCTION** |  |  |
| 12 | Cranial nerve examination including facial nerve  |  |  |
| 13 | Cerebellar examination |  |  |
| 14 | Rombergs Test |  |  |
| **e) OTHER** |  |  |
| 15 | Auscultation (for bruits) |  |  |
| **4. DIAGNOSTIC WORK UP** |
| **a) HEARING FUNCTION TESTS** | **Date when knowledge is achieved** | **Signature of Trainer** |
| 1 | Impedance audiometry |  |  |
| 2 | Pure tone audiometry |  |  |
| 3 | Speech audiometry |  |  |
| 4 | Objective hearing tests |  |  |
| 4a | Oto-acoustic emissions (OAEs) |  |  |
| 4b | Evoked response audiometry (BSER, CERA) |  |  |
| 5 | Paediatric audiology |  |  |
| 5a | Screening methods |  |  |
| 5b | Subjective methods |  |  |
| 5c | Objective methods |  |  |
| **b) VESTIBULAR FUNCTION TESTS** |  |  |
| 6 | Caloric testing |  |  |
| 7 | Video / Electronystagmography |  |  |
| 8 | VEMPs |  |  |
| 9 | Posturography (Balance platform) |  |  |
| 10 | Rotating chair test |  |  |
| **c) FACIAL NERVE FUNCTION TESTS** |  |  |
| 11 | Topodiagnostic testing |  |  |
| 11a | Schirmers test |  |  |
| 11b | Stapedial reflexes |  |  |
| 12 | Neurophysiological testing |  |  |
| 12a | EMG |  |  |
| 12b | ENoG |  |  |
| 12c | MST |  |  |
| **d) IMAGING** |  |  |
| 13 | Plain X-ray |  |  |
| 14 | Computerized tomography (to include cone beam CT scanning of the temporal bones) |  |  |
| 15 | Magnetic resonance imaging |  |  |
| 16 | AngiographyCT AngiographyMR AngiographyCerebral angiography |  |  |
| 17 | Positron Emission Tomography  |  |  |
| 18 | Radionuclide scanning eg technetium, gallium scanning |  |  |
| **e) LABORATORY TESTS** |  |  |
| 19 | Relevant blood tests |  |  |
| 20 | Cytology |  |  |
| 21 | Histology |  |  |
| 22 | Microbiology |  |  |

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| **TREATMENT****5a MEDICAL** |
|  | **Date when knowledge is achieved** | **Signature of Trainer** |
| 1 | Pharmacological treatment  |  |  |
| 2 | Physical rehabilitation |  |  |
| 3 | Ear infections |  |  |
| 4 | Sensorineural hearing loss in adults and children |  |  |
| 5 | Conductive hearing loss in adults and children |  |  |
| 6 | Tinnitus |  |  |
| 7 | Vertigo and dysequilibrium |  |  |
| 8 | Facial nerve paresis |  |  |
| 9 | Peri-operative management of patients undergoing otological surgery  |  |  |
| 10 | SRS |  |  |

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|  **5b SURGICAL****BASIC PROCEDURES** |
|  | General | Advanced |
| s | i |  |
| 1 | Temporal bone dissection (laboratory) |  | X |  |
| 2 | Management of oto-haematoma |  | X |  |
| 3 | Excision of lesions of the auricle |  | X |  |
| 4 | Wax removal |  | X |  |
| 5 | Foreign body removal |  | X |  |
| 6 | Removal of external auditory canal lesions |  | X |  |
| 7 | Meatoplasty (Soft tissue & bony) | X |  |  |
| 8 | Removal of osteomas | X |  |  |
| 9 | Myringotomy |  | X |  |
| 10 | Ventilation tube insertion |  | X |  |
| 11 | Myringoplasty (Type1 Tympanoplasty) |  | X |  |
| 12 | Tympanotomy |  | X |  |
| 13 | Mastoidectomy |  |  |  |
| 13a | Cortical | X |  |  |
| 13b | Modified radical / radical (Back to front approach) | X |  |  |
| 13c | Atticotomy / Attico-antrostomy(Front to back approach) | X |  |  |
| 13d | Combined approach tympanoplasty | X |  |  |
| 13e | Mastoid obliteration | X |  |  |
| 14 | Bone anchored hearing aids | X |  |  |
| 15 | Ossiculoplasty  | X |  |  |
| **SURGICAL MANAGEMENT****ADVANCED** |
|  | General | Advanced |
| s | i | a |
| 16 | Implantation of prostheses |  |  |  |
| 16a | Middle ear prosthesis |  |  | X |
| 16b | Cochlear implants |  |  | X |
| 17 | Stapedotomy |  |  | X |
| 18 | Facial nerve surgery |  |  |   |
| 18a | Decompression |  |  | X |
| 18b | GraftingAnastomosis surgery |  |  | X |
| 19 | Endolymphatic sac decompression |  |  | X |
| 20 | Vestibular schwannoma surgery |  |  | X |
| 20a | Translabyrinthine approach |  |  | X |
| 20b | Retrosigmoid approach |  |  | X |
| 20c | Middle cranial fossa approach |  |  | X |
| 21 | Vestibular neurectomy |  |  | X |
| 22 | Glomus tumour surgery |  |  | X |
| 23 | Petrosectomy |  |  | X |
| 24 | Correction of malformations |  |  |  |
| 24a | Auricle |  |  | X |
| 24b | Peri-auricular fistulas |  |  | X |
| 24c | External auditory canal |  |  | X |
| 24d |  Middle ear |  |  | X |
| 25 | Repair of injuries |  |  |  |
| 25a | Auricle |  | X |  |
| 25b | External auditory canal |  |  | X |
| 25c | Middle and inner earincluding nerves, vessels and MCF / PCF dura |  |  | X |
| 26 | Surgery of tumours |  |  |  |
| 26a | Auricle | X |  |  |
| 26b | External auditory canal |  |  | X |
| 26c | Middle and inner ear including nerves, vessels and MCF / PCF dura, including temporal bone resection |  |  |  |
| 27 | Revision ear surgery  |  |  | X |

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|  | PROGRESSION OF SURGICAL SKILLS |
|  | 1st year | 2nd year | 3rd year | 4th year | 5thyear | Date when competency is achieved |
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| **6. POSTOPERATIVE COMPLICATIONS** |
| Complications of general and local anaesthesia |
| Bleeding / haematoma |
| Infection |
| Conductive hearing loss |
| Sensorineural hearing loss |
| Vertigo / imbalance |
| Tinnitus |
| Hyperacusis |
| Facial nerve paresis |
| Taste disturbance |
| Numbness of the auricle |
| CSF leakage |
| Intracranial infection |
| Lower cranial neuropathy |