

## **Educational Objectives: LHSC-UH (ONO) – Senior Level (PGY-4/5)**

The overall objective of this rotation will be to provide an in-depth exposure to Otology and Neurotology and to refine clinical skills related to these subspecialties. There will also be the expectation to demonstrate the ability to provide consultative services, office and emergency therapeutics, and ward care at an advanced level with limited consultant intervention. The resident will be expected to assume greater independence in performing operative procedures related to Otology/Neurotology.

### **Medical Expert**

#### General Otolaryngology-Head and Neck Surgery:

1. Demonstrate understanding of the indications for tracheotomy in a critical care setting
2. Promptly and effectively assess patients with airway emergencies including airway obstruction and supervise junior colleagues in this situation
3. Perform percutaneous tracheostomy/translaryngeal tracheotomy with limited consultant supervision
4. Effectively manage pain associated with surgery (e.g. mastoidectomy, skull base surgery)
5. Participate in the post-operative ward and office management of patients who have undergone otologic surgery, lateral skull base surgery, and general otolaryngological surgery
6. Interpret X-ray and cross-sectional imaging of temporal bones and soft tissues of the head and neck
7. Knowledge base on par with level of training

#### Otology & Neurotology

1. Accurately assess patients suffering temporal bone trauma including ordering appropriate investigations
2. Be able to perform and interpret conventional audiometry and tympanometry in adults
3. Understand the principles and application of auditory brainstem response (ABR) and Otoacoustic Emissions (OAEs)
4. Understand the principles and application of videonystagmography including interpretation of findings
5. Accurately diagnose benign positional vertigo and demonstrate a rational approach to its treatment
6. Perform the particle repositioning manoeuvre
7. Develop a rational approach to vestibular rehabilitation and participate in delivery of this care
8. Perform middle ear perfusion of gentamicin and corticosteroids
9. Participate in and demonstrate understanding of the indications for surgical treatment of vertigo (includes labyrinthectomy, vestibular nerve section, endolymphatic sac surgery, and semicircular canal occlusion)

10. Observe performance of and interpret electrocochleography and VEMP
11. Elevate a tympanomeatal flap with limited consultant intervention
12. Perform tympanoplasty with limited consultant intervention
13. Perform ossiculoplasty with consultant supervision
14. Perform mastoidectomy with consultant supervision
15. Demonstrate a rational, organized approach to medical management of disorders of the facial nerve
16. Develop a rational approach to facial nerve rehabilitation and participate in delivery of this care
17. Demonstrate a rational approach to selection of patients for cochlear implant surgery
18. Assist in performance of cochlear implant surgery and observe post-operative rehabilitation and assessment
19. Assist at/observe surgery for treatment of otosclerosis
20. Assist at and demonstrate a logical approach to surgery for treatment of lateral skull base lesions including acoustic neuromas, other benign CPA lesions, and petrous apex lesions

### **Communicator**

1. Demonstrate effective establishment of therapeutic relationships with patients and their families
2. Present histories, physical findings, and management plan to consultants in an organized, efficient, and confident manner
3. Obtain and synthesize relevant history from patients, their families, and communities
4. Prepare clear, accurate, concise, appropriately detailed clinical notes, consultation notes, discharge summaries, and operative reports
5. Discuss common (e.g. myringotomy) procedures with patients and their families in a clear and understandable form including risks/benefits, informed consent, and post-operative care
6. Prepare, participate, and present effectively in organized rounds and seminars

### **Collaborator**

1. Identify the situations and instances where consultation of other physicians or health care professional is useful or appropriate
2. Demonstrate collegial and professional relationships with other physicians, office and clinic support staff, operating room personnel, and emergency room staff
3. Recognize the expertise and role of allied health professionals

### **Manager**

1. Utilize resources effectively to balance patient care duties, learning needs, educational/teaching responsibilities and outside activities
2. Allocate finite health care resources in a wise, equitable, and ethical fashion
3. Utilise information technology to optimize patient care and life-long learning including facile use of hospital IT resources (e.g. filmless radiology, electronic charting)
4. Demonstrate an appreciation of the importance of quality assurance/improvement

5. Actively participate in preparation, presentation, analysis, and reporting of morbidity and mortality rounds
6. Accurately identify criteria for patient admission to hospital in the urgent/emergent situation as well as the implications of such decisions

### **Health Advocate**

1. Recognize and respond to opportunities for advocacy within Otolaryngology, both for your patients as well as for the community in which we practice
2. Demonstrate familiarity with important determinants of health relevant to Neurotology and Rhinology such as environmental noise exposure and environmental air quality

### **Scholar**

1. Actively participate in the teaching of medical students (didactic, in clinics, and on wards/in OR)
2. Facilitate learning in patients and other health professionals
3. Actively participate in preparation and presentation of weekly Grand Rounds
4. Demonstrate a critical appraisal of research methodology, biostatistics, and the medical literature as part of monthly Journal Clubs
5. Practice the skill of self-assessment
6. Develop, implement, and monitor a personal educational strategy and seek guidance for this educational strategy as appropriate
7. Demonstrate the evolving commitment to, and the ability to practice, life-long learning
8. Contribute to the development of new knowledge through participation in clinical or basic research studies
9. Demonstrate commitment to evidence based standards for care of common problems in Otolaryngology
10. Actively participate in weekly academic half-day seminar series including advance preparation for the topic(s)

### **Professional**

1. Deliver highest quality care with integrity, honesty, and compassion
2. Exhibit appropriate professional and interpersonal behaviours
3. Practice medicine and Otolaryngology in an ethically responsible manner
4. Recognize limitations and seek assistance as necessary
5. Seek out and reflect on constructive criticism of performance
6. Endeavour to develop an appropriate balance between personal and professional life to promote personal physical and mental health/well-being as an essential to effective, life-long practice

(Reviewed and Approved by Dr. L. Parnes Jan. 13, 2023)