

## **Educational Objectives: SJHC (RFP) – Senior Level (PGY-4/5)**

The overall objective of this rotation will be to provide an in-depth exposure to Rhinology and Facial Plastic Surgery/Trauma 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 performance of operative procedures related to Rhinology and Facial Plastic Surgery. Sleep Apnea, Skin Cancer, and some General Otolaryngology will also be part of the rotation.

### **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. Perform surgical procedures associated with correction of sleep disordered breathing (including tonsillectomy, uvulopalatal flap, tongue base reduction) with limited consultant supervision
5. Demonstrate an understanding of ultrasound of the thyroid and neck
6. Display clinical reasoning in a situation requiring intraoperative surgical decision-making
7. Knowledge base on par with level of training

#### Rhinology

1. Perform effective diagnostic rigid nasal and sinus endoscopy
2. Biopsy nasal cavity lesions
3. Participate actively in the post-operative office management of patients who have undergone sinus surgery including pharmacotherapy and debridement
4. Interpret X-ray and cross-sectional imaging of the paranasal sinuses
5. Principles and application of rhinomanometry as well as interpretation of results
6. Demonstrate a sophisticated approach to selection of the surgical candidate for treatment of nasal obstruction and chronic rhinosinusitis
7. Prepare patients for endonasal surgery such as septoplasty and endoscopic sinus surgery
8. Perform nasal septoplasty including choice of incision, method of septoplasty, and closure materials with decreasing degree of direct consultant supervision
9. Perform inferior turbinate reduction with limited consultant supervision
10. Refine knowledge of paranasal sinus anatomy and perform surgical techniques of endoscopic polypectomy, uncinectomy, ethmoidectomy, and middle meatal antrostomy with decreasing degree of direct consultant supervision

11. Assist at in-clinic sinonasal procedures, including polypectomy, sinus surgery, and rhinoplasty
12. Indications for and performance of endoscopic sphenoidotomy and frontal sinusotomy/sinusectomy
13. Assist at endoscopic approaches to the pituitary gland
14. Perform external approaches to the paranasal sinuses such as external ethmoidectomy, frontal sinus trephine, and frontal sinus osteoplasty
15. Perform surgical treatments for epistaxis including endoscopic sphenopalatine artery ligation and anterior ethmoid artery ligation
16. Techniques for the management of benign or malignant sinonasal neoplasms such as inverted papilloma (e.g. endoscopic medial maxillectomy)
17. Displays knowledge of the perioperative management of CSF otorrhoea
18. Be familiar with concept of balloon sinuplasty

#### Facial Plastic & Reconstructive Surgery:

1. Excision of cutaneous malignancies including appropriate closure or reconstruction with limited consultant supervision
2. Local rotation flaps in the facial region including blood supply and design
3. Assessment for septorhinoplasty including an appreciation of the nasal valve, open vs. closed approaches, as well as grafting techniques
4. Perform septorhinoplasty with direct consultant supervision
5. Observe and assist in cosmetic procedures such as blepharoplasty, rhytidectomy, forehead lifts, and implants
6. Skin resurfacing including the appropriate indications for chemical peels, microdermabrasion, and laser peels
7. Scar revision including techniques such as dermabrasion, laser, as well as Z-plasty, W-plasty, and geometric broken line closure
8. Display knowledge of the current management of melanoma through appropriate staging and investigations, surgical discussion
9. Management of patients suffering facial trauma including the techniques of soft tissue repair and closed reduction of fractures
10. Perform surgical repair of mandibular fractures including the use of mini-plates and M-M fixation
11. Management of mid facial fractures including choice of incisions and repair materials
12. Perform or assist at repair of orbital fractures

#### **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 more complex procedures (e.g. ethmoidectomy, septorhinoplasty) 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 Rhinology and Facial Plastic Surgery such as environmental air quality and UV radiation

### **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
7. Recognize the important role of the senior resident as a role model for more junior colleagues, and act accordingly.