WS 7  Demystifying the Frontal Sinus Through Practical Tips -  Y. Chan, Toronto, ON; A. Janjua, Vancouver, BC; J. Lee, Toronto, ON; E. Meen, Winnipeg, MB; M. Tewfik, Montreal, QC

Learning Objectives: By the end of this workshop, the participants will be able to:1. Analyze CT imaging to perform a 3D reconstruction of the frontal recess and formulate a surgical plan to access the frontal sinus. 2. Manage the spectrum of frontal sinus disease through a number of different medical and surgical interventions. 3. Optimize frontal sinus patient outcomes through different peri-operative strategies.

The frontal sinus is the most challenging of the four paranasal sinuses to treat due to the complex anatomy of the frontal recess and the increased surgical risks associated with the vital surrounding structures. The goal of this workshop is to present practical pointers to the general otolaryngologist to become more comfortable with managing frontal sinus disease. This workshop will provide a review of frontal recess anatomy and an overview of the medical and surgical management options for frontal sinus disease. A technique for 3D reconstruction of the anatomy of the frontal recess and frontal sinus will be presented to help develop a pre-operative step-by-step surgical plan. The presenters will offer pearls and useful tips in the approach to the frontal sinus through case presentations. Discussions will include patient selection, medical therapies, as well as advancement in frontal sinus instrumentation and visualization in endoscopic sinus surgery. The arrays of surgical options and their indications and limitations will be debated by the panelists. There will be an emphasis on optimizing patient outcomes and preventing surgical failures through pre-operative, intra-operative, and post-operative interventions. Complications of frontal sinus disease and surgery will be discussed to help participants manage these adverse events. Finally, an "open mic" session will also be included to provide an interactive "ask the rhinologist" panel discussion on "everything you want to know about the frontal sinus but never got a chance to ask".

WS 8  Parathyroid Management in Challenging Situations -  R. Hart, J. Trites, Halifax, NS; R. Payne, Montreal, QC; J. Harris, D. O’Connell, Edmonton, AB

Learning Objectives: 1. Develop an approach for the management of hyperparathyroidism in MEN 1 and Men 2A. 2. Develop an approach for the management of hyperparathyroidism in renal failure patients and post-transplant patients. 3. Develop an approach for the management of hyperparathyroidism in parathyroid carcinoma. 4. Develop an approach for the management of hyperparathyroidism in hyperparathyroid jaw tumour syndrome.

Parathyroid management in certain patient groups can be challenging as clear guidelines do not exist. This is particularly true for patients with MEN1, MEN2A, renal failure patients, post-renal transplant patients, parathyroid carcinoma, and hyperparathyroid jaw tumour syndrome. Using representative case presentations this workshop will review the current literature and provide expert opinion in the management of hyperparathyroidism in these less common and often challenging situations.

WS 11  Introducing "Botox and Fillers" Into Your General Otolaryngology Practice -  M. K. Ansari, Edmonton, AB

Learning Objectives: At the end of the Learning session, the learner will be able to: 1. Describe the topographic anatomy of the face that facilitates safe placement of injectable agents. 2. Describe the preparation of botulinum toxin agents for injection. 3. Describe the injection of botulinum toxin to correct dynamic rhytids in the glabellar, forehead, and crow foot region of the face. 4. Describe the injection of hyaluronic acid fillers into the nasolabial folds, marionette lines, and lips. 5. Discuss the management of complications of botox and fillers.

OBJECTIVES: The general otolaryngologist will gain the basic knowledge to safely introduce injectable fillers and botulinum toxin into their practice for cosmetic facial enhancement. METHODS: Topographic facial anatomy will be reviewed to guide safe injection. Videos will demonstrate the techniques for injecting botulinum toxin for the correction of dynamic rhytids. Furthermore, the video will highlight hyaluronic acid filler injections to alleviate deep nasolabial folds, marionette lines, and for lip enhancement. Management of complications of botulinum toxin and filler injections to the face will also be reviewed. RESULTS: The injection of fillers and botulinum toxin products can be successfully incorporated into general otolaryngology practice. CONCLUSIONS: The general otolaryngologist, given their specialized knowledge of head and neck anatomy and repertoire of head and neck surgery skills, are uniquely suited and qualified to learn and perform cosmetic facial injections.