After attending this workshop, otolaryngologists will:

1. Acquire an awareness of the challenges an endoscopic surgeon faces when trying to manage a large vessel injury endoscopically.
2. Receive training in the surgical techniques that are vital for the effective management and control of the surgical field.
3. Experience a simulation of this challenging scenario allowing them to employ these surgical techniques in the animal model of a large vessel catastrophe during endoscopic skull base surgery.

CME ACCREDITATION

The 2015 edition was accredited for category 3 MOC credits.
RECALCITRANT CHRONIC RHINOSINUSITIS (CRS) and aggressive clinical variants of the disease such as nasal polyposis, Samter’s triad and eosinophilic mucus CRS are particularly challenging to manage, even in the hands of experienced otolaryngologists. Surgery is generally tailored to the severity of disease; however, advances in endoscopic sinus surgery technique and ancillary procedures, and our understanding of the disease process have lead to improved success rates for surgery in the management of severe disease. The aim of this course is to teach advanced techniques in endoscopic sinus surgery, including frontal recess dissection and drillout, medial maxillectomy, as well as common endoscopic skull base approaches to the pituitary region, clivus, anterior cranial and infratemporal fossae.

The session will consist of a full-day of lectures followed by two days of hands-on dissections. Twenty cadaveric heads with CT imaging as well as endoscopic surgical workstations will be provided, and the enrollment would be open to a total of 40 Otolaryngologists, including practicing surgeons, advanced trainees and fellows from the Canada, the US and Europe.

INTRODUCTION

LEARNING OBJECTIVES
After attending this workshop, otolaryngologists will:

1. Review endoscopic and radiologic sino-nasal anatomy, as well as pathophysiologic concepts of various common nasal diseases;
2. Become familiar with the management of sino-nasal pathology, including the latest medical therapies as well as advanced ESS techniques, including the surgical steps of each technique;
3. Be able to discuss the indications and contraindications of advanced ESS techniques;
4. Become familiar with the instrumentation required;
5. Be able to discuss the postoperative management after ESS.

CME ACCREDITATION
The 2015 edition was accredited for category 1 and 3 MOC credits

COURSE CURRICULUM

LOCATION: DEGRANDPRE COMMUNICATIONS CENTER, MONTREAL NEUROLOGIC INSTITUTE
(3801, UNIVERSITY STREET, MONTREAL, QC H3A 2B4)

FRIDAY, SEPTEMBER 15
7:00  Registration
7:20  Welcome  DR. MARC A. TEWFIK
7:30  Pathogenesis & Classifications of CRS  DR. YVONNE CHAN
7:50  The role of bacteria in CRS  DR. MARTIN DESROSIERS
8:10  Medical/Topical therapies in CRS  DR. JO SCHWARTZ
8:30  Office-based technologies in Rhinology  DR. RICKUL VARSHNEY
8:50  Balloon Sinuplasty  DR. PETER ANDREWS
9:10  Surgical Sinonasal Anatomy and Radiology  DR. ROWAN VALENTINE & PROFESSOR P-J WORMALD
9:50  Surgical treatment of CRS. Full House FESS concept  DR. CLAUDIO CALLEJAS
10:10  Coffee break with sponsors
10:30  Optimizing Surgical Technique: Ergonomics, Hemostasis and Wound Healing  DR. ERIK WEITZEL
10:50  Anesthetic Considerations in Sinus Surgery  DR. VERONICA LAO
11:10  Frontal Recess and Frontal Sinus - Surgical Approaches  DR. PHILIP CHEN
11:30  Modified Endoscopic Lothrop Procedure (MELP)  PROFESSOR P-J WORMALD
11:50  Preoperative and postoperative Management in sinus surgery  DR. JOHN LEE
12:10  Recalcitrant CRS (including revision surgery)  DR. MARC A. TEWFIK
12:30  Lunch
12:40  Disorders of alflation  DR. DONALD LEOPOLD
13:50  Endoscopic Septal & Transseptal Surgery (incl. Choanal Atresia)  DR. CONSTANZA VALDES
14:10  Endoscopic Dacryocystorhinostomy  DR. LUIS MACIAS-VALLE
14:30  Endoscopic Orbital Surgery  DR. DORON SOMMER
14:50  Avoiding and Managing Complications of FESS  DR. BOZENA WROBEL
15:10  Carotid Artery Injury Management  DR. JOE BRUNWORTH
15:30  Coffee break with sponsors
16:00  Endoscopic Management of Sinonasal Tumours  DR. IAN WITTERICK

16:20  Endoscopic Approach to the Infratemporal Fossa  PROFESSOR P-J WORMALD
16:40  Endoscopic Approach to Pituitary and Sellar Tumors  DR. MARC A. TEWFIK
17:10  Expanded Endonasal Approaches: An overview  DR. ALLAN VESCAN
17:30  CSF Fistula Repair & Skull Base Reconstruction  DR. ARIF JANJUA
17:50  Lunch
18:00  Bus transports course delegates
18:30  Pre-dinner cocktail  DUPOND & DUPONT
19:30  Conference dinner  DUPOND & DUPONT
22:00  Bus transports course delegates back to Hotel
The frontal sinus anatomy is highly variable and often complex. As a result, it is often challenging for the sinus surgeon to master understanding of the frontal sinus.

The Frontal Sinus Master’s Class aims to help participants systematically review a variety of CT scans, from simple to complex, in all 3 planes. After reviewing the CT, the participant uses the building block method to determine the anatomy and drainage pathway of the frontal sinus.

The Course Faculty works with the participants to make and evaluate their own 3D conceptualization of the frontal sinus cells using tangible blocks, in a hands-on approach. The Course Faculty checks and provides feedback to help the participant improve their 3D Conceptualization.

Participants then compare their own 3D interpretation of the CT scan with the intra-operative video of the surgery performed on this patient, with stepwise removal of frontal sinus cells. The comparison of the participant’s 3D Interpretation and the actual surgery re-enforces their ability to use the triplanar CT images to create a 3D anatomical picture, and to formulate their own plan for surgery.

**LEARNING OBJECTIVES**

After attending this workshop, otolaryngologists will:

1. Review the nomenclature and common cellular configurations of frontoethmoidal cells that are relevant to frontal sinus surgery.
2. Practice reconstructing these 3D configurations using the building blocks technique and understanding how this affects the frontal sinus drainage pathway.
3. Develop a surgical plan for frontal recess dissection based on the elucidated frontoethmoidal cell anatomy.

**LOCATION: THE ARNOLD AND BLEMA STEINBERG MEDICAL SIMULATION CENTRE OF MCGILL UNIVERSITY**

(3575, PARC AVENUE, SUITE 5640, MONTREAL, QC H2X 3P9)

**SATURDAY, SEPTEMBER 16**

7:30-9:30  Frontal Sinus Master’s Class
9:30-10:00  Coffee with sponsors
10:00-11:20  Maxillary Antrostomy
             Canine Fossa Trephination
             Inferior Turbinoplasty
11:20-12:40  Frontal Recess Dissection -
             Axillary Flap Technique
             Frontal Sinus Trephination
12:40-13:45  Lunch
13:45-14:30  Endoscopic Septoplasty, Nasoseptal Flap
14:30-15:30  Anterior and Posterior
             Ethmoidectomy
             Sphenoidotomy
15:30-16:50  Dacryocystorhinostomy
16:50-17:20  Coffee with sponsors
17:20-18:40  Endoscopic Orbital
             Decompression
             Optic Nerve Decompression
             Lateral Canthotomy
             and Cantholysis
18:40  Close of first day

**SUNDAY, SEPTEMBER 17**

8:00 - 9:10  Sphenopalatine Artery
             Ligation
             Vidian Neurectomy
9:10 - 10:20  Endoscopic Medial
             Maxillectomy
             Infratemporal Fossa
             Dissection
10:20 - 10:50  Coffee with sponsors
10:50 - 12:00  CSF leak Closure
             (Bath Plug Technique)
12:00 - 13:00  Lunch
13:00 - 14:00  Endoscopic Approach
             to Sellar Region
14:00 - 15:00  Endoscopic Transcribiform
             Approach
15:00 - 16:00  Transclival Approach
16:00 - 16:15  Close of the Course

Demonstration: 20 min
Dissection: 50 min

Demonstration: 20 min
Dissection: 50 min

Demonstration: 20 min
Dissection: 50 min

Demonstration: 20 min
Dissection: 50 min

Demonstration: 20 min
Dissection: 40 min

Demonstration: 20 min
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Demonstration: 20 min
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Demonstration: 20 min
Dissection: 40 min

Demonstration: 20 min
Dissection: 40 min

Demonstration: 20 min
Dissection: 40 min
# REGISTRATION FORM

## COURSE OPTIONS

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## REGISTRATION FORM

Visit the [www.northamericanmasterclass.com](http://www.northamericanmasterclass.com), click on register and select your course option. The options A, B and D include the Conference dinner.

## CANCELLATIONS

Fees refundable less 20% before August 15th, 2017. **NO REFUNDS will be issued after this date.**

## VENUE

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## CONTACT INFORMATION

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