RECALCITRANT CHRONIC RHINOSINUSITIS (CRS) and aggressive clinical variants of the disease such as nasal polyposis, Samter's triad and eosinophilic granuloma, challenge even the most experienced otolaryngologists. Surgery is generally tolerated by the majority of these patients, although patients with Samter's triad and eosinophilic granuloma may require long-term medical therapy. However, it is often challenging for the sinus surgeon to master the surgical planning, execution, and understanding of the disease process have led to improved success rates for surgery in the management of severe disease. The aim of this workshop is to teach advanced endonasal techniques in endoscopic sinus surgery, including frontal recess dissection and dissection, medial maxillectomy, as well as common endoscopic skull base approaches to the pituitary region, olfactory groove, anterior cranial fossa and infratemporal fossa.

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 sinonasal diseases.
2. Become familiar with the management of sino-rhinal pathology, including the latest medical therapies as well as advanced ESS techniques, including the surgical techniques of endoscopic skull base.
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

This event is an Accredited Group Learning Activity as defined by the Maintenance of Certification program of The Royal College of Physicians and Surgeons of Canada, it qualifies for a maximum of 8 credits (Section 1) and 45 credits (Section 3).

FRONTAL SINUS MASTERCLASS WORKSHOP DESCRIPTION (included for dissectors)

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 Class aims to help participants systematically review a variety of CT scans, from simple to complex, in all 3 planes. After reviewing the CT scan, 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, using the latest medical therapies as well as advanced ESS techniques, including the surgical steps of each technique; their ability to use the latest surgical technology to create a 3D anatomical picture, and to formulate their own plan for surgery.

LEARNING OBJECTIVES

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 block technique and understanding how this affects the frontal sinus drainage pathway.
3. Develop a surgical plan for frontal recess dissection based on the alcalculated frontoethmoidal cell anatomy.

THURSDAY, SEPTEMBER 24

9:00 - 9:10 Schizophrenia Parallels Ligation Neural Mechanisms
11:10 - 12:05 Endoscopic Medial Maxillectomy InferiorOlfactory Fossa Dissection
12:05 - 12:30 CSF Leak Closure (Bipolar Technique)
12:30 - 13:00 Otohns.med@mcgill.ca
13:00 - 13:45 Endoscopic Approach to Sellar Lesions
13:45 - 14:00 Endoscopic Transphenoidal Approach
14:00 - 14:45 Endoscopic Transnasal Approach
14:45 - 15:30 Debriefing

THANK YOU TO OUR SPONSORS FOR THEIR GENEROUS SUPPORT

STORZ, INTEGRA, MINOGUE, MEDICAL INC., SOUTHMEDIC, SANOFI, SHIRE, MEDTRONIC, MEDITECH, FLEXA, SALT LABS, AND MORE.
**North American Endoscopic Management of Vascular Injuries Workshop**

September 21-24, 2015

**LOCATION:** McIntyre Medical Building of McGill University

3655 Promenade Sir William Osler, Montreal (QC) H3G 1Y6

**FEES AND REGISTRATION**

**COURSE OPTIONS**

- **OPTION A**
  - Lectures and Dissection
  - Before July 31st, 2015: $1,400 CDN
  - After July 31st, 2015: $1,600 CDN

- **OPTION B**
  - Lectures Only
  - Before July 31st, 2015: $650 CDN
  - After July 31st, 2015: $800 CDN
  - Residents Free

- **OPTION C**
  - Lectures and Dissection
  - Before July 31st, 2015: $1,600 CDN
  - After July 31st, 2015: $1,200 CDN

- **OPTION D**
  - Lectures and Dissection
  - Before July 31st, 2015: $1,600 CDN
  - After July 31st, 2015: $1,200 CDN

**PGP CAREER ACCREDITATION**

This event can be accredited Group Learning Activity as defined by the Maintenance of Certification program of the Royal College of Physicians and Surgeons of Canada. It qualifies for a maximum of 4.5 credits (Section 1) and 7.5 credits (Section 3).

**REGISTER FOR BOTH COURSES (4 DAYS)**

September 21-24, 2015

**CANCELLATIONS**

Fees refundable less 20% before August 31, 2015.

**NO REFUNDS** will be issued after this date.

**CONTACT INFORMATION:**

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otlhns.med@mcgill.ca

**FEES AND REGISTRATION**

**LEARNING OBJECTIVES**

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 of 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.

**COURSE CURRICULUM**

**MONDAY, SEPTEMBER 21**

- Coffee break
- Welcome & Introduction by Marc Tewfik
- Tour of the lab and getting familiar with stations
- 9:10 Aneurysm clips
  - Drilling & exposure (10 mins)
  - Injury creation (5 mins)
  - Muscle patch (15 mins)
  - Anaerobic clips (10 mins)
- 10:30 Coffee break
- 11:30 Venous injuries
  - Drilling & exposure (10 mins)
  - Injury creation (5 mins)
  - Muscle patch (15 mins)
  - Anaerobic clips (10 mins)
- 12:15 Lunch
- 1:15 General lecture
- 2:15 Vascular surgical steps
  - Arterial surgery
  - Venous surgery
  - Aneurysm clips (30 mins)
  - Muscle patch (15 mins)
  - Anaerobic clips (10 mins)
- 3:15 Coffee break
- 4:15 Venous injuries
  - Drilling & exposure (10 mins)
  - Injury creation (5 mins)
  - Muscle patch (15 mins)
  - Anaerobic clips (10 mins)
- 5:15 Arterial Injuries
  - Drilling & exposure (10 mins)
  - Injury creation (5 mins)
  - Muscle patch (15 mins)
  - Anaerobic clips (10 mins)
- 6:15 Activity

**TUESDAY, SEPTEMBER 22**

- Coffee break
- Welcome & Introduction by Dr. Marc Tewfik
- Place Del’Art
- Tour to the lab
- Debriefing
- 10:15 Arterial Injuries
  - Drilling & exposure (10 mins)
  - Injury creation (5 mins)
  - Muscle patch (15 mins)
  - Anaerobic clips (10 mins)
- 11:15 Venous Injuries
  - Drilling & exposure (10 mins)
  - Injury creation (5 mins)
  - Muscle patch (15 mins)
  - Anaerobic clips (10 mins)
- 12:15 Lunch
- 1:15 Arterial Injuries
  - Drilling & exposure (10 mins)
  - Injury creation (5 mins)
  - Muscle patch (15 mins)
  - Anaerobic clips (10 mins)
- 2:15 Venous Injuries
  - Drilling & exposure (10 mins)
  - Injury creation (5 mins)
  - Muscle patch (15 mins)
  - Anaerobic clips (10 mins)
- 3:15 Coffee break
- 4:15 Venous Injuries
  - Drilling & exposure (10 mins)
  - Injury creation (5 mins)
  - Muscle patch (15 mins)
  - Anaerobic clips (10 mins)
- 5:15 Arterial Injuries
  - Drilling & exposure (10 mins)
  - Injury creation (5 mins)
  - Muscle patch (15 mins)
  - Anaerobic clips (10 mins)
- 6:15 Activity

**WEDNESDAY, SEPTEMBER 23**

- Coffee break
- Welcome & Introduction by Dr. Marc Tewfik
- Tour of the lab
- Debriefing
- 10:15 Arterial Injuries
  - Drilling & exposure (10 mins)
  - Injury creation (5 mins)
  - Muscle patch (15 mins)
  - Anaerobic clips (10 mins)
- 11:15 Venous Injuries
  - Drilling & exposure (10 mins)
  - Injury creation (5 mins)
  - Muscle patch (15 mins)
  - Anaerobic clips (10 mins)
- 12:15 Lunch
- 1:15 Arterial Injuries
  - Drilling & exposure (10 mins)
  - Injury creation (5 mins)
  - Muscle patch (15 mins)
  - Anaerobic clips (10 mins)
- 2:15 Venous Injuries
  - Drilling & exposure (10 mins)
  - Injury creation (5 mins)
  - Muscle patch (15 mins)
  - Anaerobic clips (10 mins)
- 3:15 Coffee break
- 4:15 Venous Injuries
  - Drilling & exposure (10 mins)
  - Injury creation (5 mins)
  - Muscle patch (15 mins)
  - Anaerobic clips (10 mins)
- 5:15 Arterial Injuries
  - Drilling & exposure (10 mins)
  - Injury creation (5 mins)
  - Muscle patch (15 mins)
  - Anaerobic clips (10 mins)
- 6:15 Activity