



# The 29<sup>th</sup> Annual PERCY IRELAND ACADEMIC DAY May 7-8, 2021

## Course Objectives

1. To compare and contrast clinical and surgical approaches used in the management of otolaryngologic disorders
2. To describe the pathobiology, biologic behaviour, and treatment outcomes of adult and pediatric otolaryngology-head & neck surgery disorders
3. To be able to identify a number of research methods used in the field

## ACCREDITATION

### Royal College of Physicians and Surgeons of Canada - Section 1

This event is an Accredited Group Learning Activity (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada, approved by Continuing Professional Development, Temerty Faculty of Medicine, University of Toronto.

You may claim a maximum of 2.5 hours (credits are automatically calculated).

**Friday May 7, 2021 - 7:30-8:30 am**  
**Virtually**

### Percy Ireland Oration:

**Dr. John Yoo, MD, FRCSC, FACS**

*Dean, Schulich School of Medicine & Dentistry  
Western University*

***"Mentorship, Menteeship and  
Committing to a Career in Surgery"***

### Guest of Honour:

**Dr. Peter Adamson, OOnt, MD, FRCSC, FACS**

*Professor, Division of Facial Plastic and Reconstructive Surgery  
University of Toronto*

***"An Abstract on Life as an OHNS"***

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**Saturday May 8, 2021 - 9:00 am – 1:00 pm**  
**Virtually**

### Academic Program

*followed by presentation of awards*

## Academic Program

9:00 Introduction and Opening Remarks by Dr. Ian J. Witterick, Chair

Each speaker has 5 minutes to make their presentation followed by 2 minutes for questions and answers  
An \* (asterisk) denotes an award or scholarship recipient. See page 6 for more information.

### **Category 1 - Work undertaken by post-residency research fellows/graduate degree students/postdoctoral fellows**

**Session Chaird by Dr. Karen Gordon**

- 9:05 **Mr. Bowen Xiu\***  
Electrophysiological Correlates of Subjective Cognitive Demand in Cochlear Implant Users During Listening in Noise  
*Mentor: Dr. Andrew Dimitrijevic*
- 9:12 **Mr. Robel Alemu**  
Preliminary Findings in Preservation of Spatial Hearing in Single-Sided Deaf Children and the Interaction with Cochlear Implantation  
*Mentors: Drs. Sharon Cushing, Karen Gordon, & Blake Papsin*
- 9:19 **Dr. Valerie Dahm**  
The Feasibility of Eustachian Tube Dilation with a Standard Endovascular Balloon: A Comparative Cadaver Study  
*Mentor: Dr. Trung Le*
- 9:26 **Dr. Christopher Noel\***  
Patient-Reported Symptom Burden as a Predictor of Emergency Department Use and Unplanned Hospitalization in Head and Neck Cancer: A Longitudinal Population-Based Study  
*Mentors: Drs. Tony Eskander & Natalie Coburn*
- 9:33 **Dr. Emilia Luca\***  
Bulk and Single-Cell RNA-Seq Spotlight the Human Utricle Earliest Regenerative Response after Damage  
*Mentor: Dr. Alain Dabdoub*
- 9:40 **Ms. Priyanka Prince Yogarajah\***  
Neural Correlates of Visual Stimulus Encoding and Verbal Working Memory that are Related to Speech-in-Noise Perception in Cochlear Implant Users  
*Mentor: Dr. Andrew Dimitrijevic*
- 9:47 **Dr. Carly Anderson**  
Atypical Cortical Asymmetry and Function Persist Following Provision of Bilateral Input to Adolescents after Long-Term Unilateral Deafness  
*Mentors: Drs. Sharon Cushing, Karen Gordon & Blake Papsin*

**9:54-10:05 B R E A K**

### **Category 2 - Work undertaken by PGY2 residents during clinical rotation**

**Session Chaird by Dr. Tony Eskander**

- 10:05 **Dr. Fahad Aldhari**  
Clinical Outcomes of Tracheostomy Performed in COVID Critical Ill Patients  
*Mentor: Dr. Jennifer Anderson*
- 10:12 **Dr. Gracy Yi**  
The State of Gender/Sex Diversity at the Annual Canadian Society of Otolaryngology-Head & Neck Surgery Meetings: 2008-2020  
*Mentors: Drs. Yvonne Chan, Molly Zirkle, Jennifer Siu*
- 10:19 **Dr. Brian Shin**  
Trends in Admission for Aspiration Pneumonia in a Tertiary Teaching Hospital, 2008-2018  
*Mentor: Dr. Jun Lin*
- 10:26 **Dr. Edward Sykes\***  
Evaluation of Nanoparticle Ototoxicity  
*Mentors: Drs. Trung Le, Warren CW. Chan, Gang Zheng*
- 10:33 **Dr. Chantal Li\***  
Tracheostomy Emergencies Simulation Course: Testing the Effect of Integrated Instruction on Knowledge Acquisition and Retention Among Emergency Medicine Physicians Undergoing Complex Simulations  
*Mentor: Dr. Paolo Campisi*
- 10:40 **Dr. Adam Kwinter**  
Quantifying Cutaneous Neck Fibrosis: Development and Validation of a Patient Reported Outcome Measure  
*Mentor: Dr. David Goldstein*

**10:47-11:00 B R E A K**

**Category 3 - Work undertaken by PGY3 residents during clinical rotation**

**Session Chaird by Dr. Jun Lin**

- 11:00      **Dr. Weining Yang**  
Temporal Trends in Diagnosis and Management of Non-Invasive Follicular Neoplasm with Papillary-Like Nuclear Features (NIFTP)  
*Mentor: Dr. Tony Eskander*
- 11:07      **Dr. Hedyeh Ziai**  
Evaluation of Machine Learning, Statistical Predictive Tools, and the National Surgical Quality Improvement Program Surgical Risk Calculations for Predicting Hospital Length of Stay in Patients Undergoing Major Surgery for Oral Cavity Cancer  
*Mentor: Dr. John de Almeida*
- 11:14      **Dr. Vincent Wu\***  
Admission of Patients with Obstructive Sleep Apnea Undergoing Ambulatory Surgery in Otolaryngology-Head & Neck Surgery  
*Mentor: Dr. John Lee*
- 11:21      **Drs. Amr Hamour\* & Jong Wook Lee\***  
Development of a Murine Model for Chronic Rhinosinusitis  
*Mentors: Drs. Allan Vescan, Eric Monteiro, John Lee*

**11:35-11:45    B R E A K**

**Category 4 - Work undertaken by PGY4 residents during clinical rotation**

**Session Chaird by Dr. Doug Chepeha**

- 11:45      **Dr. Neil Verma**  
Simulation-Based Management of Internal Carotid Injury During Endoscopic Sinus Surgery: A Pilot Study  
*Mentor: Dr. Allan Vescan*
- 11:52      **Dr. Terence Fu**  
A Cost Utility Analysis Comparing CT Surveillance, PET-CT Surveillance, and Planned Post-Radiation Neck Dissection for Advanced Nodal HPV-Positive Oropharyngeal Cancer  
*Mentor: Dr. John de Almeida*
- 11:59      **Dr. Jennifer Siu\***  
Development of a Neural Network Model to Predict Long-Term Mortality in Patients Eligible for Tracheostomy in the ICU  
*Mentor: Dr. Leo Celi*
- 12:06      **Dr. Daniel Lee\***  
Nasal Nitric Oxide as a Long-Term Monitoring and Prognostic Biomarker of Mucosal Health in Chronic Rhinosinusitis  
*Mentor: Dr. John Lee*
- 12:13      **Dr. Shireen Samargandy\***  
Endoscopic Sinus Surgery Outcomes in Patients with Chronic Rhinosinusitis and Immunoglobulin Deficiencies  
*Mentors: Dr. John Lee*
- 12:20      **Dr. Justin Cottrell\***  
Morbidity and Mortality from Adenotonsillectomy in Children with Trisomy-21  
*Mentor: Dr. Nik Wolter*

**12:27- 12:42    B R E A K**

**12:42      PRESENTATION OF AWARDS**

Best Paper Category 1  
Best Paper Category 2  
Best Paper Category 3  
Best Paper Category 4  
Best Overall Presented Paper

Wharton Head & Neck Research Award

## **Percy Edgerton Ireland**

Dr. Ireland was the first full time Professor of Otolaryngology at the University of Toronto. A medical graduate of the University of Toronto, he trained in Otolaryngology with Harris P. Mosher at Harvard. After a distinguished war career, much of it in the Western Desert, he returned to Toronto and was appointed Professor and Chairman in 1946, a position he held, along with that of Otolaryngologist-in-Chief at Toronto General Hospital until 1966. He finished his University career at Sunnybrook Hospital by helping the change over from a Veterans' to a University Hospital. He retired in 1969, leaving as his legacy a strong academic staff, many of whom held high positions in the University. He was a tough but a self-effacing man, who started the residency-training program in Otolaryngology. He was extremely active in the educational field and it is fitting that his name be remembered in an academic event for trainees.

## **Professor John Yoo**

Dr. John Yoo is Dean of the Schulich School of Medicine & Dentistry at Western University. As a practicing surgeon, his research and clinical interests include the spectrum of head and neck oncologic and reconstructive surgery, with a particular focus on the management of the paralyzed face.

Dr. Yoo attained his medical degree at the University of Toronto in 1991, after which he completed his residency in Otolaryngology, and fellowship in head and neck oncologic and reconstructive surgery. After his education in Toronto, he joined the faculty at the Schulich School of Medicine & Dentistry in 1997, where he is currently Professor in the Departments of Otolaryngology-Head and Neck Surgery and Oncology.

Prior to being appointed as Dean in 2020, he served as Chair and City-wide Chief of two different clinical departments over a 14-year leadership career. He served as Chair/Chief of the Department of Paediatrics from 2018-2020, and Otolaryngology-Head and Neck Surgery from 2006-2017.

Dr. Yoo remains fiercely proud of his University of Toronto Otolaryngology connection and is honoured to be invited as the Visiting Professor at this year's Percy Ireland Research Day.

## We Gratefully Acknowledge Our Sponsors

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# 29<sup>th</sup> Annual Percy Ireland Academic Day Saturday May 8, 2021

## Registration Information

After registering, you will receive a confirmation email containing information about joining the meeting via Zoom.

There is no fee to participate!

*The Department of Otolaryngology-HNS, University of Toronto reserves the right to cancel courses. Registrants will be notified at the earliest possible date in the event of a cancellation.*

### Recipients of Awards or Scholarships Acknowledged with an \* (asterisk) within the Program

Dr. Justin Cottrell	2019-20 Chapnik, Freeman and Friedberg Clinical Scientist Program Award & 2019-20 Dr. Ian Witterick Excellence in Mentorship and Innovation Award & 2019-20 Raymond H. W. Ng Graduate Scholarship
Dr. Amr Hamour	2019 Raymond Ng and Wendy Chiu Foundation for Innovation in Otol-HNS
Dr. Daniel Lee	2019-20 Shiley E. O. Pelausa Award
Dr. Jong Wook Lee	2019 Raymond Ng and Wendy Chiu Foundation for Innovation in Otol-HNS
Dr. Chantal Li	2020 Harry Barberian Scholarship Award
Dr. Emilia Luca	2020 Harry Barberian Scholarship Award
Dr. Christopher Noel	2019-20 Raymond H W. Ng PhD Scholarship
Dr. Shireen Samargandy	2019-20 Shiley E. O. Pelausa Award
Dr. Jennifer Siu	2019-20 Freda Noyek Otolaryngology Merit Award
Dr. Edward Sykes	2020 Harry Barberian Scholarship Award
Dr. Vincent Wu	2019-20 Judy Chauvin Otolaryngology Resident Award
Dr. Bowen Xiu	2020 Harry Barberian Scholarship Award
Ms. Priyanka Prince Yogarajah	2020 Harry Barberian Scholarship Award

For additional award information, please see our website at: <https://otolaryngology.utoronto.ca/awards-and-honours>

#### For Further Information:

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