OTOLARYNGOLOGY
HEAD & NECK SURGERY



Otolaryngology - Head & Neck Surgery
UNIVERSITY OF TORONTO

Leading Innovation. Achieving Impact

Edited By: **Dr. lan J. Witterick**

Acknowledgements To: Sonia Valente Audrea Martin

Designed and Printed By:



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Department of Otolaryngology— Head & Neck Surgery

Professor and Chair

Vice-Chair Education & Director of Postgraduate Education

Director of Undergraduate Medical Education

Assistant Director, Pre-Clerkship

Assistant Director, Post Clerkship

Director of Continuing Professional Development

& Liaison Community Academic Faculty

Vice-Chair Research

Dr. lan J. Witterick

Dr. Paolo Campisi

Dr. Allan Vescan

Dr. Brad Hubbard

Dr. John Lee

Dr. Yvonne Chan

Dr. Robert V. Harrison/

Dr. Alain Dabdoub

Otolaryngologists-in-Chief

Hospital for Sick Children

Michael Garron Hospital

North York General Hospital

Sinai Health System

St. Joseph's Health Centre

St. Michael's Hospital

Sunnybrook Health Sciences Centre

Trillium Health Partners

University Health Network

Dr. Blake Papsin

Dr. Al Chiodo

Dr. Everton Gooden

Dr. lan J. Witterick

Dr. Rick Fox

Dr. Jennifer Anderson

Dr. Danny Enepekides

Dr. Yvonne Chan

Dr. Ralph Gilbert

Division Heads

Audiology

Facial Plastic and Reconstructive Surgery

Head and Neck Oncology and Reconstructive Surgery

Rhinology

Ms. Vicky Papaioannou

Dr. Andres Gantous

Dr. Jonathan Irish

Dr. John Lee

Committee Chair Holders

Executive

Undergraduate

Residency Program

Continuing Professional Development

Research

Department Appointments

Department Promotions

Budget Advisory

Community Academic Faculty

Advancement

Quality and Safety

Dr. lan J. Witterick

Dr. Allan Vescan

Dr. Paolo Campisi

Dr. Yvonne Chan

Dr. Robert V. Harrison/

Dr. Alain Dabdoub

Dr. Kevin Higgins

Dr. Robert V. Harrison

Dr. lan J. Witterick

Dr. Yvonne Chan

Dr. Patrick J. Gullane

Dr. Danny Enepekides

Vision, Mission and Values

Vision

International leadership in improving health through innovation and excellence in otolaryngology-head & neck surgical practice, research and education.

Mission

We prepare head and neck surgical leaders, contribute to our communities and improve the health of individuals and populations locally and globally through discovery, application and communication of knowledge.

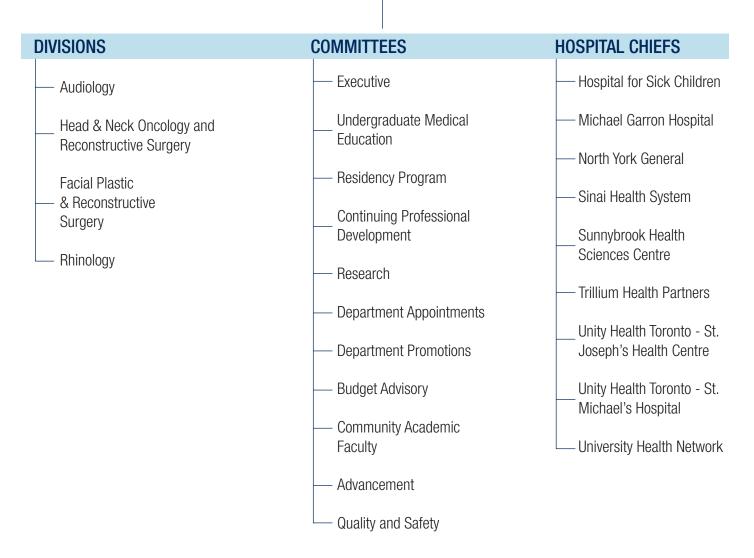
Values

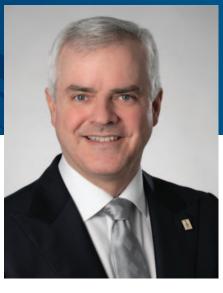
Excellence • Collaboration • Integrity • Respect
Compassion • Accountability • Caring • Leadership • Innovation



Organizational Structure







Chair's Report

Dr. Ian J. Witterick

The Department of Otolaryngology-Head & Neck Surgery (OHNS) at the University of Toronto had another productive year. I am indebted to so many in the department who freely give of their time and energy to make our department so much stronger than the sum of its parts. As described by one of our faculty members, it is an army of the willing.

The entire report details activities of our department over the 2018-2019 academic year. The following is a summary of some of the highlights, achievements and milestones that have occurred. I hope you enjoy reading it.

Changes in Departmental Leadership

Dr. Robert Harrison has led our research endeavours for more than 28 years. He has devoted countless hours to support, advance and augment the research carried out in our department. We are indebted to his service to our department and the science of hearing. Through a formal search, Dr. Alain Dabdoub was selected to succeed Dr. Harrison as our new Vice-Chair Research.

Dr. Andres Gantous took over from Dr. Peter Adamson as Head of the Division of Facial Plastic and Reconstructive Surgery (FPRS). We want to thank Dr. Adamson for his years of dedicated leadership. He is the consummate professional and a staunch advocate for our specialty and FPRS.

Ms. Vicky Papaioannou very successfully has taken on the additional role of administrative lead in the department at the Hospital for Sick Children.

Faculty

We welcomed new clinical adjunct lecturers, Drs. Matthew Brace, Brenda Kou, Lukas Kus, Annesse Lee, Lorna Mintz, Sharon Morong, Michael Roskies, Jonathan Yip and Alex Osborn. In the Division of Audiology, we welcomed Mr. Curtis Wetmore as a status only faculty appointment.

Congratulations to Dr. Trung Le in very successfully passing his probationary review and he is now a full-time faculty member. Congratulations as well to four of our faculty who were promoted this year: Dr. Ambrose Lee to Assistant Professor and Drs. Yvonne Chan, John de Almeida and John Lee to Associate Professor.

Dr. David Goldfarb retired from clinical practice in April 2019. Friends and family held a retirement celebration for Dr. Goldfarb on May 23, 2019.

Dr. Vincent Lin serves as the OMA Otolaryngology section chair, the Choosing Wisely Canada Otolaryngology Lead, the Non-Oncologic Otolaryngologic lead for Cancer Care Ontario and Scientific Program Chair for annual meetings of the Canadian Society of Otolaryngology – Head & Neck Surgery (CSO-HNS). Dr. Joseph Chen continues as provincial coordinator for the Ontario Cochlear Implant Program and the Health Technology Assessment for Health Quality Ontario. Dr. Enepekides serves as the Chief of Surgical Oncology at the Odette Cancer Centre, the Regional Surgical Oncology Lead for Toronto Central North, and was recently appointed co-chair for the Salivary Gland Section of the American Society of Head and Neck Surgery. Dr. Jon Irish is Provincial Head of the Surgical Oncology Program.

I started my term as President of the CSO-HNS following the annual meeting in June 2019 and Dr. Chan became the incoming Chair of the Rhinology Working Group. Dr. Gilbert is the President of the International Academy of Oral Oncology (IAOO) and is planning the next meeting of the IAOO in Rome in August/September 2019.

Milestones

The Hospital for Sick Children and Chief, Dr. Blake Papsin, underwent a successful 5-year external review. The external review was carried out by Dr. Ellis Arjmand.

Passings

Dr. Arnold Noyek died in Toronto on December 14, 2018 at the age of 81. Dr. Noyek graduated from the University of Toronto's medical school and then trained in otolaryngology at the Manhattan Eye, Ear and Throat Hospital in New York. He started at Mt. Sinai in 1966 and was Chief from 1989 to 2002. He was not only a Full Professor in our department but also Medical Imaging and Public Health. He was a remarkable individual with boundless energy. His passions included the creation of the Canada International Scientific Exchange Program (CISEPO), an international network of academics, researchers, educators and students working to improve health, especially hearing health, around the globe. In 2004, he and CISEPO received the Canadian Red Cross Power of Humanity Award, presented by Jordan's Queen Noor. He was also the recipient of the Canadian Society for International Health 2005 Lifetime Achievement Award and Ludwik and Estelle Jus Memorial Human Rights Prize in 2009. He was named to the Order of Canada in 2013. Dr. Noyek was an inspiring leader, an astute clinician, humanitarian, mentor and friend. He will be missed by so many.

Education

We are indebted to all the faculty and residents who help to educate the next generation. In undergraduate medical education, over 1,000 medical students are exposed to our specialty each year at the University of Toronto. There are significant changes happening in the medical school including Foundations and Pre-Clerkship curriculum being led by Drs. Allan Vescan, Brad Hubbard and John Lee. Our department is so fortunate to have both academic and community faculty who are so willing and able to teach our specialty.

In postgraduate medical education (PGME) this year, we had 26 residents and 25 clinical and research fellows from across the globe. Competency-based education continues to be rolled out and we are piloting software to record evaluations. Dr. Yael Bensoussan served as the Chief Resident and completed her term on April 30, 2019. Dr. Mirko Manojlovic Kolarski was elected as the new Chief Resident. Thank you to both of these individuals for being such strong advocates for the residents and training program.

We welcomed five outstanding PGY1s to the department on July 1, 2018: Drs. Amr Hamour, Jong Wook (John) Lee, Vincent Wu Weining Yang and Hedyeh Ziai. We also congratulated all five of our PGY5s on passing their Royal College exam: Drs. Yael Bensoussan, Yelda Jozaghi, Weibo Hao, Patrick Scheffler and Xiao Zhao.

The graduation ceremony for resident and fellows held on June 11, 2019 at Hart House was well attended by many in the department as well as the families of our residents and fellows.

Dr. Yvonne Chan continues to do an outstanding job in organizing continuing professional development in the department. In addition to the 17th Annual Otolaryngology – Head & Neck Surgery Update on February 9, 2019, we held a course the day prior on Reducing the Risk in Head & Neck: Lessons Learned from the CMPA

Files. We co-organized Current Concepts in Head and Neck Surgery on November 17-18, 2018 in co-operation with MD Anderson Cancer Center and Memorial Sloan Kettering Caner Center. We also had a large number of visiting professors who brought new and interesting knowledge to our department. Many had the opportunity to interact with our residents and fellows.

Dr. Brian Westerberg was the *Joseph K.H. Wong Lecturer* on March 1, 2019 giving a talk on *Global Surgical Care:* Surgical Solutions for Underserviced Areas. The Faculty Development Day in concert with the Departments of Surgery and Anesthesiology on November 12, 2018 at the Chestnut Conference Centre was a resounding success.

Our department participates in the organization of many CPD courses nationally and internationally. For example, Dr. Vincent Lin is Program Chair for the annual meetings of the CSO-HNS assisted by Dr. Yvonne Chan who is the CPD/CE Chair for the CSO-HNS. Dr. Danny Enepekides was Program Co-Chair for the 2018 meeting of the American Head and Neck Society and Drs. Freeman and Witterick were part of the steering committee for the World Congress on Thyroid Cancer Meeting 3.5 in Rome in June 2019.

Research

Our department continues to excel in research. During the academic year, our faculty, residents and fellows published 173 peer-reviewed publications in 93 journals, 27 book chapters and 1 book. The grant total exceeded \$26.3M. The Annual Research Evening was held on March 27, 2019 at the Peter Gilgan Research Tower. The depth and breadth of research presentations were tremendous.

The PGY2 residents each completed a 4-month research block and participated in a new research education curriculum. Drs. Peter Dixon and Jennifer Siu completed their Masters programs and Dr. Christopher Noel started his Masters in Clinical Epidemiology.

The 28th Annual Percy Ireland Academic Day was held on May 10, 2019 at Hart House. The dinner was the night before with more than 120 present. The Visiting Professor was Dr. Michael Cunningham (Boston Children's Hospital). The Guest of Honour was Dr. Michael Hawke. Details of the presentations and photos are included in this annual report. My thanks and congratulations to all of the residents, graduate students, fellows and faculty mentors who participated.

The 6th Annual Harry Barberian Memorial Dinner took place on May 6, 2019 and more than \$100K was raised to support research. The funds from last year's event supported 15 research projects in the department through a competitive peer-reviewed evaluation of submissions by residents, fellows, graduate students and faculty.

There were a large number of submissions for Raymond Ng and Wendy Chui Foundation for Innovation Awards. A rigorous process narrowed the field and eventually three projects were awarded funding of \$200K each. The successful recipients were Drs. Paolo Campisi and Vito Forte for their project titled *Development and Validation of an Intelligent Otoscope*, Drs. Michael Daly and Jonathan Irish for their project titled *3D Fluorescence Imaging for Guidance of Head & Neck Cancer Surgery* and Drs. Amr Hamour, John Wook Lee, Allan Vescan, John Lee and Eric Monteiro for their project titled *Cannabinoid for Chronic Rhinosinusitis: An Untapped Novel Therapy*.

By all measures of research productivity, we continue to do well.

Alumni

On February 8, 2019, the Annual Alumni & Friends Dinner was held at the Faculty Club honouring the Class of 1993. Drs. Neil Lofchy, Raymond Ng, Perry Mansfield and Michael Ruckenstein were able to attend to

represent the resident graduates of 1993. The Percy Ireland Dinner was held on May 9, 2019 at the Intercontinental Hotel. This was another great venue to meet colleagues, friends and alumni in a social atmosphere. A reception was held on June 2, 2019 at the Annual Meeting of the CSO-HNS in Edmonton, Alberta.

Awards

Congratulations to all of our award winners detailed in this report. Some of the highlights include Dr. Jeffrey Mendelsohn receiving the *Alma Smitheringale Excellence in Undergraduate Teaching Award*, Dr. John Rutka receiving the *Distinguished Alumnus Award*, Dr. Tony Eskander receiving the *Excellence in Teaching Award* and Dr. Nikolaus Wolter receiving the *Resident Advocate Award*. Dr. Yael Bensoussan was voted by her resident peers to receive the *Resident Teacher of the Year Award* and Dr. Ashok Jethwa was voted by the residents to receive the *Fellow Teacher of the Year Award*.

There were a large number of external awards our faculty and residents received as documented in this annual report. Some of the highlights include Dr. Saf Banglawala receiving the Medtronic Interprofessional Award of Excellence Early Career, Dr. Tony Eskander receiving the Geordie Fallis Award for Advocacy and Mentorship in Medical Education from Michael Garron Hospital and Dr. Ralph Gilbert being inducted into the Indian Head and Neck Society at the 18th National Meeting of the Foundation for Head & Neck Oncology in Kolkata, India.

Dr. Kevin Higgins was accepted into the Triological Society and Dr. David Goldstein's thesis was awarded the Harris P. Mosher Thesis Award. This is one of the highest honours a research project can be given in our specialty in North America. Our department has more Mosher Award winners than any other department (Drs. Hugh Barber, Arnold Noyek, Patrick Gullane, Adrian James, Joseph Wong and now Dr. David Goldstein).

Dr. Christopher Noel had a very successful year receiving the HNCA/AHNS International Outreach Cancer Prevention Award, the 2018 Postgraduate Research Award, the Hold'em for Life Clinician Scientist Award and an Ontario Graduate Scholarship.

Administration

Ms. Andrea Donovan is our Education Co-ordinator, Ms. Sonia Valente is the Executive Assistant to the Chair and Ms. Audrea Martin is our Business Officer. A sincere thank you to all of our administrative staff.

Summary

We had another extraordinary academic year with superb new faculty, excellent education at many levels, cutting edge research and substantial leadership in our hospitals, university, specialty and health care system. Thank you to our residents, fellows, faculty and administrative staff for supporting our department and making it strong and healthy.

Respectfully submitted,

Ian Witterick MD

Professor Arnold Noyek





















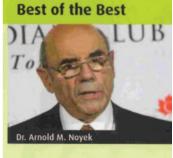


















The Officer of the Order of Canada was awarded to Dr. Arnold M. Noyek, Founding Director of The Peter A. Silverman Centre for International Health and Founder of CISEPO (Canada International Scientific Exchange Program). Dr. Noyek has played an immeasurable role advancing health education, public health policy, and capacity-building in Canada and abroad.







Alumni and Friends Events

Our Annual Alumni and Friends Dinner was held on February 8, 2019 at the Faculty Club.







Graduating Class of 1993 L to R: Michael Ruckenstein, Raymond Ng, Neil Lofchy and Perry Mansfield. Absent grads: Jennifer Anderson, David Finkelstein, Borys Hoshowsky

A reception was held on June 2, 2019 @ the Annual Meeting of the Canadian Society of Otolaryngology-HNS in Edmonton, Alberta.













faculty

Faculty Members

Newest appointments denoted with an asterisk (*)

Professor and Chair

I.J. Witterick, MD, MSc, FRCSC

Professores Emeriti:

S.M. Abel. PhD

P.W. Alberti, MB, PhD, FRCSC, FRCS

B.D. Birt, MB, FRCSC, FRCS

T.D.R. Briant, MD, FRCSC

W.S. Crysdale, MD, FRCSC

M.J. Davidson, MD, MSc, FRCSC

R.S. Fenton, MB, FRCSC, FACS

J. Friedberg, MD, FRCSC

W.M. Hawke, MD, FRCSC

M.L. Hyde, PhD

J.S. McGrail, MB, MSc, FRCSC

J.M. Nedzelski, OOnt, MD, FRCSC

Professors:

P.A. Adamson, OOnt, MD, FRCSC, FACS

D.H. Brown, MB, FRCSC

P. Campisi, MD, MSc, FRCSC

J.M. Chen, MD, FRCSC

D. Chepeha, MD, MScPH, FACS, FRCSC

D.A.F. Ellis, MD, FRCSC, FACS

V. Forte, MD, FRCSC

J.L. Freeman, MD, FRCSC, FACS

R.W. Gilbert, MD, FRCSC

K. Gordon, PhD, CCC-A, Reg. CASLPO

P.J. Gullane, CM, OOnt, MB, FRCSC, FACS, Hon-FRACS, Hon-FRCSI

R.V. Harrison, PhD, DSc

J.C. Irish, MD, MSc, FRCSC, FACS

A. James, MB, FRCSC, FRCS

A.M. Noyek, OC, MD, FRCSC, FACS (deceased)

B.C. Papsin, MD, MSc, FRCSC

R. Ralhan, PhD, FNAMS

J.A. Rutka, MD, FRCSC

Associate Professors:

J. Anderson, MD, MSc, FRCSC

J.S. Chapnik, MD, FRCSC

A. Chiodo, MD, FRCSC

K. Conrad, MD, FRCSC, FRCS

S. Cushing, MD, MSc, FRCSC

A. Dabdoub, PhD

D. Enepekides, MD, MPH, FRCSC

A.M. Gantous, MD, FRCSC

D. Goldstein, MD, MSc, FRCSC

K. Higgins, MD, MSc, FRCSC

V. Lin, MD, FRCSC

V. Papaioannou, MCISc

E.J. Propst, MD, MSc, FRCSC

M. Zirkle, MD, MEd, FRCSC

Assistant Professors:

S. Anand, MD, MSc, BArtsSc (Hon), FRCSC

M.G. Brandt, BSc, MD, FRCSC

Y. Chan, MD, MSc, FRCSC, HBSc

J. de Almeida, MD. MSc. FRCSC

A. Dimitrijevic, PhD

A. Eskander, MD, ScM, FRCSC

R. Fox, MD, FRCSC

D. Goldfarb, MD, FRCSC

E. Gooden, MD, FRCSC

J. Halik, MD, FRCSC

T. Holler, MD, MSc, FRCSC

R.L. Josephson, MD, PhD, FRCSC

J. Kolenda, MD, FRCSC

T. Le, MD, PhD, FRCSC

A. Lee, MD, MSc, CCFP(EM), FRCSC

J. Lee, MD, MSc, FRCSC

J. Lin, MD, MSc, FRCSC

E. A. Monteiro, BSc, MD, MSc, FRCSC

R. Mounsey, MD. FRCSC, FACS

R. H.W. Ng, BSc, MD, PhD, FRCSC

M. Shah, MD, MPhil, FRCSC

J. Shahin, MD, FRCSC

D.B. Shipp, MA

P. Singh, MD, MSc, FRCSC

O. Smith, MD, FRCSC

P. Solomon, MD, FRCSC

A. Vescan, MD, MSc, FRCSC

J. Werger, MD, FRCSC

N. Wolter, MD, MSc, FRCSC

Lecturers:

J. Adamonis. MCISc

H. Ainlay, BSc, MSc

A. Alexander, MD, BSc, FRCSC

J. Asaria, MD, BSc, FRCSC

- J. Atlas, MD, BSc, FRCSC
- S. Banglawala, MD, BSc, MPH, FRCSC
- G. Beard, MD, FRCSC
- G. Belchetz, MD, BSc, FRCSC
- M. Brace*, MD, BSc, MSc, FRCSC
- D. Brown, MD, FRCSC
- R. Burke, MD, FRCSC
- L. Carinci, MCISc, BSc (Hon)
- R. Chaban, MD, FRCSC
- M. Chang, BSc, MD, FRCSC
- N. Chauhan, MD, FRCSC
- J. Chung, MD, BSc, FRCSC
- D. Dalgorf, MD, BSc (Hon), FRCSC
- T. Davids, MD, FRCSC
- S. Druker, MSc(A)
- C. Falls, BA Psychology, BHSc, MCISc
- V. Fernandes, MD, FRCSC
- D. Finkelstein, MD, FRCSC
- A. Gevorgyan, MD, MSc, FRCSC
- G. Goulding, MCISc
- A. Grewal, MD, BHSc, FRCSC
- D. Hacker, MD, FRCSC
- B. Hassouneh, BSc, MD, FRCSC
- R. Hekkenberg, MD, FRCSC
- B. Hubbard, MD, BASc, FRCSC
- T. Kandasamy, MD, BSc, FRCSC
- A. Katyal, MD, FRCSC
- W. Kaul, MD, FRCSC
- M. Korman, MD, BA, FRCSC, DAB Oto
- B. Kou*, BASc, MD, FRCSC
- G. le Nobel*, BS.Eng, MD, FRCSC
- E. LeBlanc, BSc, AuD
- A. Lee*, MD, FRCSC
- R. Leung, MD, BSc, FRCSC
- B.T.M. Lui, MD, BSc, MSc, FRCSC
- L. MacDonald, MSc
- B. Marcarian, MD, FRCSC
- J. Mendelsohn, MBChB, FRCSC
- L. Minz*, MD, FRCSC, FACS
- S. Morong*, MD, MSc, FRCSC
- J. Naiberg, MD, FRCSC
- K. Nazarali, MD, FRCSC, FACS
- A. Oh, MD, BSc, FRCSC
- A. Osborn*, MD, PhD
- M. Oyewumi, HBSc, MD, FRCSC
- X. Punthakee, MD, BSc, FRCSC
- R. Rival, MD, FRCSC
- R. Seaberg, MD, HBSc, PhD, FRCSC
- L. Segall, MD, MSc, FRCSC
- T. Shinghal, MD, DMD, FRCSC
- K. Smilsky, MCISc

- I. Syrett, MCISc
- V. Toran, MD, BSc, FRCSC
- A. Toth, MD, FRCSC
- S. Vojvodich, MD, FRCSC
- C. Wetmore*, MSc, Audiology
- K. Williams, MD, MSc
- J. Witte, MA
- A. Wong, MD, BSc, FRCSC

Cross-Appointed Faculty

Professors:

- S. Blaser, MD, FRCSC, Medical Imaging
- G. Bradley, DDS, MSc, Faculty of Dentistry
- B.J. Cummings, MB, FRCPC, Radiation Oncology
- F. Gentili, MD, FRCSC, FACS, Surgery
- F-F. Liu, MD, FRCPC, Radiation Oncology
- R. Martino, MSc, MA, PhD, Speech Language Pathology
- B. O'Sullivan, MB Bch BAO, FRCPC, Radiation Oncology
- J. Ringash, MD, MSc, FRCPC, Radiation Oncology
- L.E. Rotstein, MD, FRCSC, Surgery
- A.M-F. Wong, MD, PhD, FRCSC, FAAO, Ophthalmology & Vision Sciences
- N. Zamel, MD, FRCPC, Medicine
- G. Zadeh, MD, PhD, FRCSC, Surgery

Associate Professors:

- J. Lazor, RPh, BScPhm, MScPhm, EdD, FRSHP, Dept of Family & Community Medicine
- B. Perez-Ordoñez, MD, FRCPC, Laboratory Medicine & Pathobiology
- S. Symons, BASc, MPH, MD, FRCPC, Medical Imaging
- J. Waldron, MD, MSc, FRCPC, Radiation Oncology
- E. Yu, MD, RCPSC, ABR, Medical Imaging

Assistant Professors:

- J. Allegro, MSc, Speech Language Pathology
- E.S. Bartlett, MPH, MD, Medical Imaging
- J. Huber, MScA, SLPc, PhD, MD, FRCPC, Pediatrics
- S. Laughlin, BSc, MD, FRCPC, RCPSO, ACR, Medical Imaging
- B.Y. Ngan, PhD, MD, FRCPC, Laboratory Medicine & Pathobiology

Lecturers:

D. Parker, MSc, Speech Language Pathology

Administrative Staff:

Andrea Donovan, Postgraduate/Undergraduate Administrator

Audrea Martin, Business Officer

Sonia Valente, Chair's Assistant/Department Executive Assistant

Honours and Awards

BANGLAWALA, S	
2018	Medtronic Interprofessional Award of Excellence Early Career. Toronto, ON.
ESKANDER, A 2019	Geordie Fallis Award for Advocacy and Mentorship in Medical Education. Michael Garron Hospital, Medical Education, University of Toronto. Toronto, ON.
2019	Faculty Teacher of the Year, University of Toronto. Department of Otolaryngology-Head & Neck Surgery. Toronto, ON.
F0X, R 2019	30 Year Service Award, St Joseph's Health Centre. Toronto, ON.
GEVORGYAN, A 2018	Moments of Excellence Award, Lakeridge Health Corporation. Oshawa, ON.
GILBERT, R 2018	Inducted into the Indian Head and Neck Society at the 18 th National Meeting of the Foundation for Head & Neck Oncology. Toronto, ON.
GOLDSTEIN, D 2019	Harris P. Mosher Thesis Award, Triologic Society. Toronto, ON.
LEE, J 2019	Top 10 Clinical Abstracts, American Rhinologic Society, RhinoWorld. Chicago, IL. <i>Recognized as one of the top 10 clinical abstracts submitted for oral presentation at the scientific session of the American Rhinologic Society RhinoWorld meeting. Abstract: "Benefits and harms of aspirin desensitization for aspirin-exacerbated respiratory disease: A systematic review and meta-analysis.</i>
LIU, F-F 2019	Mel Silverman Mentorship Award, Institute of Medical Science, University of Toronto. Toronto, ON.
2019-Present	Peter and Shelagh Godsoe Chair in Radiation Medicine, Princess Margaret Cancer Centre, University Health Network, University of Toronto. Toronto, ON. <i>Joint Hospital and University of Toronto Chair.</i>
2012-2019	Elia Chair in Head & Neck Cancer Research (Re-appointment), University of Toronto & Princess Margaret Cancer Centre. Toronto, ON. Joint Research Chair.
MARTINO, R 2018-2023	Canada Research Chair (Tier II) in Swallowing Disorders. Canada Research Chairs Programs. Government of Canada.

PAPAIOANNOU, V 2019	Honour Roll, College of Audiologists and Speech Language Pathologists of Ontario (CASLPO), Toronto, Ontario, Canada.
2018	Certificate of Appreciation, College of Audiologists and Speech Language Pathologists of Ontario (CASLPO), Toronto, Ontario, Canada.
PROPST, E 2018	Perioperative Services Innovation Award, Perioperative Services, Hospital for Sick Children. Toronto, ON. Awarded for the best recent innovation that resulted in improved patient care by an individual or team within Perioperative Services.
SEABERG, R 2018	MD Program Teaching Award for Excellence-University of Toronto. Toronto, ON.
VESCAN, A 2019	Wightman-Berris Academy Individual Teaching Excellence Award in Postgraduate Education, University of Toronto. Toronto, ON.
WOLTER, N 2019	Resident Advocate Award, Department of Otolaryngology-Head & Neck Surgery, University of Toronto, Toronto, ON.

Leadership Activities

ANAND, S

2013-Present Co-Chair. Endocrine/Thyroid Multidisciplinary Cancer Conference, Scarborough Health Network

and Humber River Hospitals.

ANDERSON, J

St. Michael's Hospital

2017-Present Member. Corporation MAC St. Michael's/St. Joseph's/Providence Health.
2017-Present Member. Corporate Medical Advisory Committee, St. Michael's Hospital.

2017-Present Member. Thyroid Oncology-Clinical & Research Working Group, Department of Otolaryngology-

Head & Neck Surgery.

2009-Present Chair. Chair of Multidisciplinary Cancer Conference/Tumour Board Rounds, Faculty of Medicine,

Department of Otolaryngology-Head & Neck Surgery.

2009-Present Member. Mobility Management Committee.

2008-Present Chief. Department of Otolaryngology-Head & Neck Surgery, St. Michael's Hospital.

2005-Present Member. Medical Advisory Committee.

2003-Present Executive Member. Alternate Funding Plan Management Executive Committee.

1994-Present Member. Perioperative Services Advisory Group.

ASARIA, J

2017-Present Canadian Region Director. Board of Directors, American Board of Facial Plastic and

Reconstructive Surgery.

2017-Present Fellowship Program Director. American Academy of Facial Plastic and Reconstructive Surgery.

2015-2018 Guest Examiner. American Board of Facial Plastic and Reconstructive Surgery.

2012-Present Advisory Board Member. Allergan, Inc.

2012-Present Advisory Board Member. Merz Pharma GmbH & Co.

Ad Hoc Reviewer

2011-Present American Journal of Rhinology & Allergy.

2011-Present Journal of Otolaryngology-Head & Neck Surgery.
2011-Present Annals of Otology, Rhinology & Laryngology.

American Academy of Facial Plastic and Reconstructive Surgery

2018-Present Nominating Committee.

2018-Present Regulatory and Socioeconomic Affairs Committee.

2016-2018 Fellowship Committee 2016-2018 CME Committee.

BANGLAWALA, S

2017-2019 Vice President. WOHS Professional Staff Association.

2017-Present Continuing Medical Education Committee Member. American Rhinologic Society.

BRADLEY, G

2014-Present Editorial Board. Oral & Maxillofacial Pathology section, Oral Surgery, Oral Medicine, Oral

Pathology, Oral Radiology.

2016-Present Editorial Board. Oral Diseases.

2018-Present Editorial Board. Head and Neck Pathology.

2018-2022 Councillor for North America, International Association of Oral and Maxillofacial Pathologists

(IAOP).

BRANDT, M

2018-Present Diplomate. American Board of Facial Plastic & Reconstructive Surgery.

2017-Present Ontario Regional Delegate. Ontario Medical Association.

2016-Present Ontario Regional Representative. Canadian Academy of Facial Plastic & Reconstructive Surgery. Co-director. Resident Soft-Tissue Dissection Course. Division of Facial Plastic & Reconstructive

Surgery.

2014-Present Ontario Regional Representative. Canadian Society of Otolaryngology-Head & Neck Surgery.

BROWN, DH

Editorial Board

2004-Present The Laryngoscope.

CAMPISI, P

International Federation of ORL Specialties

2019-2021 Co-Chair. Pediatric Otolaryngology Planning Committee.

Canadian Society of Otolaryngology-Head & Neck Surgery

2012-Present Chair. Pediatric Otolaryngology Study Group.

2016-Present Chair. Program Directors Committee. 2013-Present Member. Fellowship Committee.

Royal College of Physicians and Surgeons of Canada

2012-Present Member. Otolaryngology-Head & Neck Surgery Specialty Committee.

University of Toronto

2019-Present Member. BPEA Committee.

2018-Present Chair. BPEA Working Group on CBME IT Systems Useability.

2018-Present Hospital for Sick Children Representative. Clinical Faculty Academic Clinical Tribunal.

2018-Present Member. Simulation Education Advisory Committee.

2017-Present Member. PGME Internal Review Committee. 2017-Present Member. Vice Chairs Education Committee.

2012-Present Member. Postgraduate Medical Education Advisory Committee.

2012-Present Member. Foundations of Surgery Committee.

Manuscript Reviewer

2010-Present Journal of Pediatric Hematology/Oncology. 2009-Present The Pediatric Infectious Disease Journal.

2006-Present Archives of Otolaryngology-Head and Neck Surgery.

2005-Present Journal of Otolaryngology-Head & Neck Surgery.

2005-Present The Laryngoscope.

2004-Present International Journal of Pediatric Otorhinolaryngology.

2004-Present Paediatrics & Child Health.

CHAN, Y

American Academy of Otolaryngology Head and Neck Surgery

2015-Present Member. Rhinology and Allergy Education Committee. 2015-Present Member. Rhinology and Paranasal Sinus Committee.

American Rhinologic Society

2015-Present Member. Continuing Medical Education Committee.

Royal College of Physicians and Surgeons of Canada

2017-Present Member. Regional Advisory Committee 3.

Canadian Society of Otolaryngology-Head & Neck Surgery

2019-Present Chair. Canadian Rhinology Working Group.

2018-Present Chair. Continuing Professional Development Committee Chair.

2017-2019 Co-Chair. Canadian Rhinology Working Group.

2016-Present Member. Continuing Professional Development Committee.

2009-Present Member. Rhinology Working Group.

Ontario Medical Association

2018-Present Tariff Chair. Otolaryngology-Head & Neck Surgery Section.

Trillium Health Partners

2017-Present Division Head. Division of Otolaryngology-Head & Neck Surgery, Department of Surgery, Trillium

Health Partners.

University of Toronto

2017-Present Member. Quality & Safety Committee, Dept of Otolaryngology-Head & Neck Surgery.

2012-Present Director. Continuing Professional Development, Dept of Otolaryngology-Head & Neck Surgery,

Faculty of Medicine.

2012-Present Member. CPD Continuing Education Directors and Leaders, Faculty of Medicine.
2012-Present Member. Continuing Professional Development Committee, CPD, Faculty of Medicine.
2011-Present Community Academic Faculty Liaison. Community Academic Faculty, Department of

Otolaryngology-Head & Neck Surgery, Faculty of Medicine.

2011-Present Member. Executive Committee, Department of Otolaryngology-Head & Neck Surgery, Faculty of

Medicine.

Editor

2017-Present Essential Otolaryngology-Head and Neck Surgery 12th Edition.

Associate Consulting Editor

2010-Present Plural Publishing Inc.

Manuscript Reviewer

2014-Present American Journal of Rhinology & Allergy.
2014-Present International Forum of Rhinology & Allergy.
2012-Present Journal of Otolaryngology-Head & Neck Surgery.

CHANG, M	Cl	AH	N	G,	M
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2018-Present Division Head. Otolaryngology Head and Neck Surgery, Centenary

Hospital-Scarborough Health Network.

2018-Present Medical Education Committee Member. Scarborough Health Network.

2018-Present Credentials Committee Member. Scarborough Health Network. 2015-2019 Member. Thyroid Cancer Disease Pathway Management

Development Committee, Cancer Care Ontario.

2014-Present Chair. Combined Humber River Hospital/Scarborough Health Network

Multidisciplinary Thyroid/Head and Neck Cancer Care Rounds.

CHEN, J

2012-Present Program Coordinator. Ontario Cochlear Implant Group. Appointed by the Toronto Central LHIN,

Ministry of Health Long Term Care.

2016-2019 Clinical Lead. Health Technology Assessment for MOH funding in expanded indications for

cochlear implantation.

- Bilateral implantation in adults (completed June, 2018)-favourable recommendation posted at

Health Quality Ontario-Ontario Health Technology Advisory Committee.

- Single sided deafness & Conductive-Mixed hearing loss (ongoing-pending).

- Auditory Brainstem Implant (ongoing-pending).

Manuscript Reviewer

2010-Present Otology & Neurotology. 2009-Present The Laryngoscope.

1995-Present Journal of Otolaryngology-Head & Neck Surgery.

CHEPEHA, D

2017-Present Member. Promotions Committee, Department of Otolaryngology-Head & Neck Surgery, University

of Toronto.

2015-Present Member. Quality and Safety Committee, Department of Otolaryngology-Head & Neck Surgery,

University of Toronto.

2014-Present Member. Research Committee, Department of Otolaryngology-Head & Neck Surgery, University of

Toronto.

NRG Oncology

2016-Present Member. Core Committee, NRG Oncology Head & Neck Cancer Committee.

TFRI COOLS Trial

2013-Present Member. Scientific Advisory Committee, Terry Fox Research Institute.

Canadian Society of Otolaryngology-Head & Neck Surgery

2019-Present Member. International Federation of ORL Societies 2020 Planning Committee.

2017-Present Co-Editor in Chief. Journal of Otolaryngology-Head & Neck Surgery.
2016-Present Member. Canadian Association of Head and Neck Surgical Oncology.

American Head and Neck Society

2015-Present Member, Microvascular Committee.

Ohlson Research Initiative

2012-Present Member. External Scientific Advisory Board.

University Health Network

2018-Present	Contributor, Mirat	i Clinical Advisor	v Board.	Mirati Therapeutics
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2018-Present Appointed. Affiliated Faculty at Techna.

2018-Present Member. Electronic Health Record Clinical Advisory Committee.

2017-Present Member, Cancer Informatics Oversight Committee.

2016-Present Member. Team AIR (Automate, Integrate & Revamp), An effort to enhance the quality and safety of

the patient experience.

2016-Present Member. Princess Margaret Ambulatory Operations and Quality Committee.

2015-2018 Member. Interprofessional Model of Care Committee.

2015-Present Member. Joe Finley Head and Neck Translational Program Committee.

2015-Present Member. Tissue Committee, Faculty of Medicine, Head & Neck Translational Program.

2015-Present Member. Head and Neck Survivorship Research Committee.

CHIODO, A

2016-Present			graduate interviewing

program including interviewing students for the Program in Liberal Medical Education, Brown

University School of Medicine.

2012-Present Member. Medical Advisory Committee, Michael Garron Hospital.

2012-Present Member. Credentials Committee, Michael Garron Hospital.

2012-Present Member. Surgical Council, Michael Garron Hospital.

CUSHING, S

2018-Present	Program Committee. Frontiers in	Otolaryngology: ASPO Summer N	Meeting.

2018-Present Program Committee. American Society of Pediatric Otolaryngology.

2014-Present Board Member. Interamerican Association of Pediatric Otorhinolaryngology.

Editorial Boards

2010-Present Otology & Neurotology.

Manuscript Reviewer

2019-Present	Journal of Clinical Medicine.
2018-Present	Journal of Vestibular Research.

2018-Present Developmental Medicine & Child Neurology.
2018-Present JAMA Otolaryngology-Head & Neck Surgery.
2018-Present Archives of Otolaryngology and Rhinology.
2018-Present International Journal of Neurological Disorders.
2018-Present International Journal of Phonetics & Audiology.

2018-Present Journal of Otology & Rhinology.

2018-Present SciTechnol. 2018-Present BMC Pediatrics.

2018-Present Journal of Audiology & Otology.

2017-Present Clinical Genetics.

2017-Present Journal of Otorhinolaryngology, Hearing and Balance.

2017-Present International Archives of Otorhinolaryngology.

2017-Present	European Journal of Paediatric Neurology.
2017-Present	Journal of the American Academy of Audiology.

2016-Present Neural Plasticity.

2015-Present Audiology and Neurotology.
2015-Present International Journal of Audiology.
2015-Present Otolaryngology-Head and Neck Surgery.
2015-Present Croatian Review of Rehabilitation Research.
2015-Present European Archives of Oto-Rhino-Laryngology.

2014-Present Pediatrics.

2013-Present The Laryngoscope.

2013-Present Cochlear Implants International.

2013-Present Ear and Hearing. 2012-Present PLoS ONE.

2012-Present Annals of Otology, Rhinology, & Laryngology.

2011-Present International Journal of Pediatric Otorhinolaryngology.

DABDOUB, A

2018-Present	Member, Diversity and Minority A	Affairs Committee, Association for Research in	Otolaryngology.
			,

2017-Present Member. Ontario Institute for Regenerative Medicine.

2017-Present Member. Faculty Mentorship Committee, Department of Laboratory Medicine and Pathobiology,

University of Toronto.

2011-Present Member. Hearing Restoration Project Consortium Member, Hearing Health Foundation.

Grant Reviewer

2010-Present National Institutes of Health.
2012-Present Action on Hearing Loss UK.
2018-Present Foundation pour L'Audition.
2014-Present Hearing Health Foundation.

Manuscript Reviewer

2010-Present Journal of Neuroscience.

2012-Present Development.
2014-Present Developmental Cell.

2016-Present Cell Reports.

DAVIDS, T

2013-Present Division Chief. Department of Otolaryngology-Head & Neck Surgery, Southlake Regional Health

Centre.

2010-Present Peer Reviewer. Journal Otolaryngology Head & Neck Surgery.

DE ALMEIDA, J

2019-Present Committee Member. Outcomes Committee, Minimal Clinical Dataset,

Canadian Society of Otolaryngology Collaborative Research Initiative.

2018-Present Member. Surgical Subcommittee. Canadian Clinical Trials Group.

2018-Present Committee Member. Outcomes Committee, American Head and Neck Society, International

Consortium for Health Outcome Measurement.

2018-Present	Committee Member. Cost, Quality and Outcomes Committee, University Health Network.
2018-Present	Head. Divisional Research, Division of Head and Neck Oncology and Reconstructive Surgery.
2017-Present	Co-director, Journal Club, Department of Otolaryngology-Head & Neck Surgery, University of Toronto.
2017-Present	Member. Skull Base Symposium Organizing Committee. University of Toronto Diagnostic Neuroradiology Fellowship Program.
2017-Present	Member. Collaborative Research Initiative, Canadian Society of Otolaryngology-Head & Neck Surgery.
2015-Present	Member. Continuing Medical Education Compliance Committee, American Head and Neck Society.
2015-Present	Research Committee, American Head and Neck Society.
2015-Present	Committee Member. Value Based Care Committee, North American Skull Base Society.
2013-Present	Member. Residency Program Committee (UHN Representative), Department of Otolaryngology-Head & Neck Surgery, University of Toronto.
2013-Present	Member. Robotics Committee, University Health Network.
2013-Present	Director. Skull Base Tumour Board, Department of Otolaryngology-Head & Neck Surgery, University of Toronto.

Manuscript Reviewer

2018-Present	Journal of Surgical Oncology.
2018-Present	Journal of the National Cancer Institute.
2016-Present	International Journal of Cancer.
2016-Present	Journal of Neurological Surgery, Part B: Skull Base.
2016-Present	Journal of Otolaryngology-Head & Neck Surgery.
2014-Present	Annals of Otology, Rhinology & Laryngology.
2014-Present	Cancer.
2012-Present	Head & Neck.
2009-Present	The Laryngoscope.

DIMITRIJEVIC, A

2014-Present	Council Member. International Evoked Response Audiometry Study Group. The IERASG is an
	international society for establishing methods in electrophysiology in hearing assessment.
2018-Present	Reviewer. Ontario Graduate Scholarships. Institute of Medical Science, University of Toronto.
2018-Present	Member. Faculty of Medicine Graduate Awards Committee, University of Toronto. Faculty of
	Medicine.
2018-Present	Review Editor. Frontiers in Neuroscience, Frontiers in Psychology, Frontiers in Auditory Cognitive
	Neuroscience.

Manuscript Reviewer

2019-Present	eLife.
2015-Present	Frontiers in Neuroscience.
2019-Present	Journal of Neuroscience.
2017-2018	European Journal of Neuroscience.
2016-2018	Ear and Hearing.
2017-2018	Trends in Hearing

2018 Journal for the Association for Research in Otolaryngology.

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2018-Present	Chief. Department of Otolaryngology-Head & Neck Surgery, Sunnybrook Health Sciences Centre.
2018-Present	Co-chair. Salivary Gland Section, American Head and Neck Society.
2017-Present	Member. Ontario Skin Cancers Advisory Committee, Cancer Care Ontario.
2014-Present	Chief. Surgical Oncology. Odette Cancer Centre, Sunnybrook Health Sciences Centre.
2014-Present	Regional Lead. Surgical Oncology, TCN, Cancer Care Ontario.
2008-Present	Member. Head and Neck Disease Site Group, Cancer Care Ontario.
2008-Present	Member. Advanced Training Council, American Head and Neck Society.

ESKANDER, A

2019	Poster Judge. 2019 Meeting, American Head and Neck Society (Reconstructive Section).
2018-Present	Member. Thyroid Oncology Collaborative Working Group: Education, University of Toronto.
2018-Present	Member. Thyroid Oncology Collaborative Working Group: Clinical Research/Trials, University of
	Toronto.
2019-2021	Head. Head & Neck Surgery.
2018-2021	Member. Publications and Awards Service, American Head and Neck Society.
2018-2020	Member. Head & Neck Surgery Education Committee, American Academy of Otolaryngology-Head
	and Neck Surgery.
2018-Present	Member. Odette Cancer Centre Palliative Care Advisory Committee.
2017-Present	Member. Endocrine Research Committee, American Head and Neck Society.
2017-2020	Member. Patient and Public Education Committee, American Head and Neck Society.
2017-Present	Teacher. Youth Group Grade 12 Class, St. Mark's Church.
2016-2017	Member. Microvascular Committee, American Academy of Otolaryngology-Head and Neck
	Surgery.

Journal and Grant Reviewer

2019-Present	American Academy of Otolaryngology, Head and Neck Sub-Committee Centralized.
	Otolaryngology Research Efforts (CORE) Grant Committee Reviewer.
2018-Present	Canadian Medical Association Journal.
2018-Present	Current Oncology.
2017-Present	Head & Neck-Endocrine Section.
2017-Present	PLoS ONE.
2016-Present	Journal of Otolaryngology-Head & Neck Surgery (Head and Neck Oncology).
2016-Present	British Journal of Cancer.
2016-Present	Oral Oncology.

Editorial Board

2018-Present	Oral Oncology.
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2019-Present PLoS ONE (Academic Editor).

FERNANDES, V

2015-Present Reviewer, Head & Neck.

FOX, R

Toronto.

2009-Present Chief. Department of Otolaryngology-Head & Neck Surgery, St. Joseph's Health Centre.

2009-Present Member. OR Committee, St. Joseph's Health Centre.

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2019-Present Head, Division of Facial Plastic and Reconstructive Surgery, Department of Otolaryngology-Head

& Neck Surgery. University of Toronto.

2018-Present Representative. Canadian Region Credential Committee, American Academy of Facial Plastic and

Reconstructive Surgery.

2018-Present Treasurer. International Board of Facial Plastic and Reconstructive Surgery Societies.

2017-Present Canadian Academy of Facial Plastic and Reconstructive Surgery representative at the

International Board of Facial Plastic and Reconstructive Surgery Societies.

2013-Present Treasurer. Canadian Academy of Facial Plastic and Reconstructive Surgery.

2008-Present Director. Canadian Academy of Facial Plastic Surgery.

GEVORGYAN, A

2019-Present Delegate. District 6 Riding Durham County, Ontario Medical Association.

2019-Present Secretary-Treasurer and Vice Chair. Section on Otolaryngology-Head & Neck Surgery, Ontario

Medical Association.

2018-Present Member. Editorial Board, Rhinology Online.

2017-Present Reviewer. Journal of Otolaryngology-Head & Neck Surgery. 2015-Present Member. Editorial Board, Rhinology ("Top Reviewer 2014").

2015-Present Reviewer. Allergy. 2012-Present Reviewer. Rhinology.

GILBERT, R

2006-Present Member, UHN Medical Advisory Committee.

2012-Present Member. UHN Surgical Oncology Management Committee.
2012-Present Member. MSH UHN AMO Finance & Audit Committee.
2012-Present Member. MSH UHN AMO Management Committee.

2012-Present Member. UHN Surgical & Critical Care Program Management Committee.

2012-Present Member. UHN Surgical & Critical Care Program Safety & Quality Committee.

2012-Present Member. UHN Surgical Executive Committee.

2012-Present Chief. Department of Otolaryngology-Head & Neck Surgery, UHN.

2008-Present Member. Division of Facial Plastics and Reconstructive Surgery Committee, Department of

Otolaryngology-Head & Neck Surgery.

2008-2019 Chair. PMH Cancer Program Quality Committee.
2001-Present Member. UHN Surgical Oncology Management Council.

2003-Present Member. Planning Committee, Annual Wharton/Elia Day, with the Sullivan Lecturer, Faculty of

Medicine, Department of Otolaryngology-Head & Neck Surgery.

2001-Present Chair. Otolaryngology-Head & Neck Surgery/Plastics Business Unit Committee, Department of

Otolaryngology-Head & Neck Surgery, UHN.

GOLDSTEIN, D

American Academy of Otolaryngology- Head and Neck Surgery

2016- Present Member. Endocrine Surgery Committee.

American Head and Neck Society

2018-Present Member, Website Committee.

2016-Present Member. Leadership Committee for the Endocrine Section.

2016-Present Member. Endocrine Committee.2015-Present Member. Publications Committee.

Melanoma Network of Canada

2018-Present Treasurer. Canadian Association of Head and Neck Surgical Oncology.

2018-Present Member. Canadian Association of Head and Neck Surgical Oncology.

Cancer Care Ontario

2016-Present Member. Oropharyngeal Cancer Pathway Map Working Group.

2013-Present Co-surgical Lead. Endocrine Communities of Practice.

Cancer Care Ontario, Program in Evidence Based Medicine

2016-Present Member. Primary Excision Margins and Sentinel Lymph Node Biopsy in Cutaneous Melanoma

Expert Panel Working Group.

2014-Present Member. Thyroid Cancer Guidelines Expert Panel Working Group.

University Health Network

2018-Present Member. Princess Margaret Cancer Centre Operating Room Operations and Quality Committee.

2019-Present Representative. Surgical Oncology, OR and Business Planning Committee.

2018-Present Lead. Head and Neck Surgical Oncology Trials Program.

2018-Present Project Director/Lead. Development of Head and Neck Surgical Anthology of Clinical and

Functional Outcomes Database.

2017-Present Member. Surgical Oncology Executive, Department of Surgical Oncology, Princess Margaret

Cancer Program, Princess Margaret Cancer Centre.

2016-Present Lead. Thyroid Cancer Disease Site-Endocrine Disease Site.
2016-Present Head & Neck Surgery Lead. Melanoma Disease Site Group.

2010-Present Research Director. Department of Otolaryngology-Head & Neck Surgery, University Health

Network.

2009-Present Member. Head & Neck Cancer Tissue Committee.

1998-Present Member. Cancer Registry and Staging Committee.

University of Toronto

2018-Present Co-Chair. Clinical Research/Clinical Trials Working Group, Thyroid Oncology Collaborative.

2014-Present Member. Departmental Research Committee, Faculty of Medicine, Department of Otolaryngology-

Head & Neck Surgery.

2014-Present Council Member. Faculty Council, Faculty of Medicine, Department of Otolaryngology-Head &

Neck Surgery Representative.

Manuscript Reviewer

2015-Present Clinical Otolaryngology.

2014-Present Cancer.

2012-Present Journal of Clinical Oncology.

2012-Present Journal of Reconstructive Microsurgery.

2012-Present Journal of Skin Cancer.
2012-Present Journal of Surgical Oncology.
2009-Present European Journal of Cancer.

2009-Present	World Journal of Surgery.
2008-Present	Archives of Otolaryngology.

2007-Present Canadian Medical Association Journal.

2007-Present Head & Neck.

2006-Present Journal of Otolaryngology-Head & Neck Surgery.

2006-Present Otolaryngology Head and Neck Surgery.

GOODEN, E

2018-Present Member. Board of Directors. Face the Future™ Foundation.

2009-Present Chief. Department of Otolaryngology-Head & Neck Surgery, North York General Hospital.

2010-Present Elected Governor. North York General Foundation Board of Governors.

GORDON, K

2016 Cochlear Americas Chair in Auditory Development (5 year term).

2014 Inaugural Chair. Bastable-Potts Health Clinician Scientist Award in Hearing Impairment (5 year

term).

GULLANE, P

2012-Present Chair. Advancement Committee, Department of Otolaryngology-Head & Neck Surgery, Faculty of

Medicine, University of Toronto.

2000-Present Senior Scientist. Cancer Informatics Division of Ontario Cancer Institute (Sub Committee of

Research Council).

1999-Present Member. International Advisory Board, The Saudi Journal of Oto-Rhino-Laryngology Head and

Neck Surgery.

Editorial Boards

2005-Present Journal Auris Nasus Larynx, International Journal of ORL & HNS (Elsevier).

2003-Present On Line Journal Head and Neck Surgery-Oncology.

2000-Present The Laryngoscope. 2000-Present Head and Neck.

1993-Present American Journal of Otolaryngology.

Editorial Review Board

1991-Present Les Annales d'Otolaryngologie et de Chirrurgie Cervico-Faciale.

Manuscript Reviewer

2004-Present Lebanese Journal.

2002-Present Journal of Vascular Surgery.1991-Present Journal of Skull Base Surgery.

1991-Present Les Annales d'Otolaryngologie et de Chirrurgie Cervico-aciale

1981-Present Journal of Otolaryngology-Head & Neck Surgery.

HARRISON, R

2018	Member. CIHR Grants Committee, BSC Project Grant Competition.
2018	Canadian Hearing and Auditory Research Translation Group Meeting.

Canadian Cochlear Implant Centres Group Annual Meeting
 Member. CIHR Grants Committee, Fellowship Competition.

HASSOUNEH, B

2019-Present Co-chairman and Organizer. Facial Plastic Surgery Section, Middle East Academy of

Otolaryngology-Head & Neck Surgery.

HIGGINS, K

2019 Member. Canadian Society of Otolaryngology, AHNS ES International Liaisons.

2019-Present Ontario Regional Representative. Head and Neck Council, Canadian Society of Otolaryngology-

Head & Neck Surgery.

2018-Present Member. Scientific Review Committee, 10th International Conference on Head and Neck Cancer.

American Head and Neck Society.

2018-Present Member. Cancer Surgery QBP Working Group (HNK).
2018 Esophageal QP. Sunnybrook Health Sciences Centre.

2017-Present Associate Scientist. Clinical Evaluative Sciences, Odette Cancer Program, Sunnybrook Research

Institute.

2016-Present Member. Council of Academic Hospital of Ontario Physician Quality Improvement Initiative, Faculty

of Medicine, Department of Otolaryngology-Head & Neck Surgery.

2016-Present Member. CPOE Advisory Committee, Sunnybrook Health Sciences Centre.

2014-Present Undergraduate Site Director. Sunnybrook Health Sciences Centre.

2012-Present Affiliate Scientist. Clinical Evaluative Sciences, Odette Cancer Program, Sunnybrook Research

Institute.

2011-Present Endocrine Site Group Leader. Odette Cancer Centre, Sunnybrook Health Sciences Centre.

2010-2014 Post-Graduate Site Director. Sunnybrook Health Sciences Centre, OHNS, University of Toronto,

Ontario, Canada.

2010-Present Member. Program in Evidence-Based Care, Cancer Care Ontario, Canada.

2005-Present Member, Residency Program Committee, Department of Otolaryngology-Head & Neck Surgery.

University of Toronto.

2003-Present Member. Fellowship Selection Committee, Division of Head and Neck Oncology and

Reconstructive Surgery, Department of Otolaryngology-Head and Neck Surgery.

Manuscript Reviewer

2019 Journal of Reconstructive Microsurgery.

2012-Present Cranio-maxillofacial Trauma and Reconstruction.

2012-Present Thyroid.

2011-Present Clinical Otolaryngology.

2010-Present Otolaryngology-Head and Neck Surgery.

2010-Present Head & Neck.
2006-Present The Laryngoscope.

2005-Present Journal of Otolaryngology-Head & Neck Surgery.

IRISH, J

2017-Present	Head. Division of Head and Neck Or	ncology and Reconstructive Su	rgery, Department of
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Otolaryngology-Head & Neck Surgery, University of Toronto.

2006-Present Member. Promotions Committee, Department of Otolaryngology-Head & Neck Surgery, University

of Toronto.

2006-Present Member. Executive Committee, Faculty of Medicine, Department of Otolaryngology-Head & Neck

Surgery. University of Toronto.

2010-Present Associate Editor. Head and Neck.

2010-Present Member. Editorial Board, Head and Neck.

Asia-Pacific Society of Thyroid Surgery

2017-Present Member. Executive Committee.

Cancer Care Ontario

2012-Present Clinical Sponsor. Co-Chair Sarcoma Services Advisory Committee.
2009-Present Member. Diagnostic Assessment Program Leadership Team.

2008-Present Member. Clinical Council.

2008-Present Member. Clinical Programs Leadership Committee.
2008-Present Provincial Head. Surgical Oncology Program, Ontario.

2008-Present Chair. Provincial Surgical Oncology Program Leadership Committee.

2004-Present Lead. Access to Care and Strategic Funding Initiatives, Surgical Oncology Program.

Ministry of Health and Long Term Care

2012-Present Member. Head and Neck Organizational Standards Implementation Steering Committee.

2009-Present Chair. Surgery and Diagnostic Imaging Council, Access to Care.
2005-Present Chair. Clinical Expert Panel-Cancer/Clinical Lead, Cancer Surgery.

Manuscript Reviewer

2015-Present Journal of Clinical Oncology.

2008-Present Cancer.

2003-Present The Laryngoscope.

2003-Present Otolaryngology-Head and Neck Surgery.

2002-Present Head & Neck.

2002-Present Journal of Surgical Oncology. 1999-Present Archives of Otolaryngology. 1996-Present British Medical Journal.

1990-Present Journal of Otolaryngology-Head & Neck Surgery.

Expert Reviewer

2005-Present Canadian Cancer Society.

JAMES, A

2019-Present Board member (Scientific Research Advisor). International Working Group Endoscopic Ear

Surgery

2018-Present Secretary. International Otology Outcome Group.

2018-2019 Member. Steering Committee. World Congress Endoscopic Ear Surgery.

Editorial Boards

2016-Present The Journal of International Advanced Otology.

2016-Present Otology & Neurotology.

2008-Present The Cochrane Library (Ear, Nose & Throat Disorders Group).

KOU, B

2019 Member. Pediatric Working Group Committee. Scarborough Hospital Network.

2019 Transition to Residency (TTR) Program.

LEBLANC, E

2019-Present Chair of Client Services. DeafBlind Ontario Services.

2017-Present Board Member. DeafBlind Ontario Services.

2014-Present Member. Client Services Committee, DeafBlind Ontario Services.

LEE, J

2016-Present Head. Division of Rhinology, Department of Otolaryngology-Head & Neck Surgery, University of

Toronto.

2014-Present Member. Editorial Board. F1000 Prime: Section on Rhinology and Paranasal Sinus Disease.

2014-Present Member of Advisory Board. F1000 Research.

2011-Present Member of Editorial Board. American Journal of Rhinology and Allergy.

American Rhinologic Society

2017-Present Member. Scientific Awards Committee.

Canadian Society of Otolaryngology-Head & Neck Surgery

2017-Present Member. Scientific Program Committee. 2010-Present Member. Rhinology Working Group.

Manuscript Reviewer

2011-Present The Laryngoscope.

2010-Present International Forum of Allergy & Rhinology. 2009-Present American Journal of Rhinology & Allergy.

2009-Present Journal of Otolaryngology-Head & Neck Surgery.

LIN, V

2017-Present	Member. AFF	^o Innovation	n Grant Review	Committee, Su	ınnybrook Health Sciences Centre).
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2017-Present Member. Quality and Safety Committee, Department of Otolaryngology-Head & Neck Surgery,

University of Toronto.

2013-Present Postgraduate Site Director Sunnybrook Health Sciences Centre, Department of Otolaryngology-

Head & Neck Surgery, University of Toronto.

2011-Present Research Advisor. Residency Program Committee, Research Coordinator, Department of

Otolaryngology-Head & Neck Surgery, University of Toronto. Resident Research

Supervisor/Coordinator.

2008-Present Contributor. Otolaryngology-Head & Neck Surgery Annual Resident In-Service

Examination, Department of Otolaryngology-Head & Neck Surgery, University of Toronto.

F1000

2011-Present Reviewer, Otolaryngology, United Kingdom.

Canadian Society of Otolaryngology-Head & Neck Surgery

2018-Present Scientific Program Chair. Executive Committee.
2015-2019 Ontario Representative. Executive Committee.
2009-Present Council Member. Otology Working Group.
2016-Present Council Member. Vestibular Working Group.

Choosing Wisely Canada

2015-Present National Lead. Canadian Society of Otolaryngology-Head & Neck Surgery.

Cancer Care Ontario

2019-Present ATC Clinical Lead, Otolaryngology Surgery.

Health Quality Ontario

2017-Present Otology/Neurotology Expert Advisor. Health Technology Assessment.

Ontario Medical Association

2018-Present Chair. Otolaryngology Section.

Ontario Health Study

2011-Present Clinical and Research Advisor. Audiology, ENT and Speech Working Group, Department of

Otolaryngology-Head & Neck Surgery, Patient and Public Education.

External Grant Reviewer

2010-Present Medical Research Council.

2008-Present Canadian Institute of Health Sciences.

Manuscript Reviewer

2017-Present Health Reports.

2016-Present Frontiers in Neuroscience.

2014-Present Journal of Medical and Biomedical Engineering.

2012-Present Hearing Research.

2012-Present Otolaryngology-Head and Neck Surgery.

2010-Present Otology & Neurotology. 2009-Present The Laryngoscope.

2009-Present The American Journal of Case Reports.

2008-Present Journal of Otolaryngology-Head & Neck Surgery.

LIU, F-F

American Society for Radiation Oncology

2017-2018 Member. Finance/Audit Committee.

2014-2018 Executive Member. Society of Chairs of Academic Radiation Oncology Programs.

Chinese University of Hong Kong-NPC

2012-Present Member. Advisory Board.

Israel Cancer Research Fund

2019-2024 Member, International Scientific Council.

2018 Chair, Translation Panel.

The Hong Kong University of Science and Technology

2017-2018 Co-Chair. Future Prospects for Nasopharyngeal Carcinoma, Gordon Conference on

Nasopharyngeal Carcinoma.

University of Pennsylvania

2012-Present Member. Advisory Board, Research Training Program.

University Health Network

2018-2021	Chair. Medical Advisory Board.
2018-2021	Member. University Health Network Hospital Board.
2018-2021	Member. UHN Board Committee on Safety & Quality.
2018-2021	Member. UHN Quality & Safety Committee.

MARTINO, R

2019-2020 2018-2021	Member. Scientific Program, Dysphagia Research Society. Member. College, Canadian Institute of Health Research.
2018	Scientific Faculty. American Head and Neck Society.
2013-Present	Associate Editor. Dysphagia.
2019	External Grant Reviewer. University of Wisconsin at Milwaukee, Research Grant.
2018	External Grant Reviewer. Canadian Institutes of Health Research, Project Grants.
2018	Tenure/Promotion Reviewer. Faculty of Education, Promotion to Associate Professor, Hong Kong
	University.
2018-2019	Oral Scientific Session Judge. Dysphagia Research Society.
2012-Present	Associate Member. Canadian Centre for Applied Research in Cancer Control.
2007-Present	Member. Collaborative Program in Neuroscience, University of Toronto.
2007-Present	Member. Canadian Cancer Trials Group (previously National Cancer Institute of Canada)-Head and
	Neck Site.
2004-Present	Member, Dysphagia Research Society.
1994-Present	Member. College of Audiologists & Speech-Language Pathologists of Ontario.
1987-Present	Member. American Association of Speech-Language Pathologists & Audiology.

Member. Speech-Language and Audiology Canada.

MONTEIRO, E

1987-Present

2019-Present	Committee Member. Cancer Care Ontario. Head and Neck Oncology Quality Based Procedure Working Group.
2018	Invited Committee Member. North American Skull Base Society Value-Based Healthcare Committee.
2018-Present	Committee Member. Sinai Health System NSQIP Working Group.
2017-Present	Committee Member. Sinai Health System Quality of Care Committee.
2017-Present	Co-Director. Journal Club. Department of Otolaryngology-Head & Neck Surgery, University of Toronto.
2017-Present	Committee Member. Best Practices in General Surgery.
2017-Present	Committee Member. Sinai Health System Medical Devices Reprocessing Committee.
2017-Present	Core Member. Centre for Quality Improvement and Patient Safety. University of Toronto.
2016-Present	Committee Member. UHN Young Leaders Advisory Committee.
2015-Present	Member. CaRMS Committee. Department of Otolaryngology-Head & Neck Surgery. University of Toronto.
2015-Present	Member. Residency Program Committee, Department of Otolaryngology-Head & Neck Surgery. University of Toronto. Representative for Quality and Patient Safety and Sinai Health System.
2015-2018	Advisor. Undergraduate Medical Education, Health Science Research Course. Advisor regarding implementation of Quality and Patient Safety into the course. University of Toronto.

2013-Present Member. Quality and Patient Safety Committee, Department of Otolaryngology-Head & Neck

Surgery, University of Toronto.

OSBORN, A

2013-Present Manuscript Reviewer. International Journal of Pediatric Otorhinolaryngology.

PAPAIOANNOU, V

2017-Present Head, Division of Audiology, Department of Otolaryngology-Head & Neck Surgery, University of

Toronto

2019 External Reviewer. Texas Children's Hospital Cochlear Implant Program.

2019-Present Member. Document Revision Working Group, Speech and Audiology Canada Foundations.

2016-Present Board Member. Society for Ear, Nose and Throat Advancement in Children.

PAPSIN, B

2013-Present Chief. Department of Otolaryngology-Head & Neck Surgery, Hospital for Sick Children. 2011-Present

Chairman. Board of Examiners. Undergraduate Medical Program. University of Toronto.

Member. How I do it (HIDI) Committee. The Triologic Society. 2010-Present

Member. Section on Otolaryngology-Head and Neck Surgery. The American Academy of Pediatrics. 2004-Present

Manuscript Reviewer

2010-Present The Journal of International Advanced Otology.

2006-Present Otology & Neurotology.

JAMA Otolaryngology-Head & Neck Surgery. 2006-Present

2004-Present BMC Ear, Nose and Throat Disorders.

International Journal of Pediatric Otorhinolaryngology. 2004-Present

Otolaryngology-Head and Neck Surgery. 2003-Present

2003-Present The Laryngoscope.

2000-Present University of Toronto Medical Journal.

1998-Present Journal of Otolaryngology-Head & Neck Surgery.

PROPST, E

2018-Present Canadian Lead. ASPO, Committee to Identify Vulnerable Populations within our borders,

Postgraduate MD, Canada and United States.

Member, ASPO, Committee on the Contemporary Landscape of Multidisciplinary Aerodigestive Care 2018-Present

and the Pediatric Otolaryngologist's Role.

Member. IFOS, 2021 Sleep Surgery Organizing Committee. 2019-Present

Member. Strategic Committee, The Aerodigestive Society. 2018-Present

2016-Present Member. Childhood Arthritis and Rheumatology Research, Periodic Fever Aphthous Stomatitis

Pharyngitis, Cervical Adenitis Clinical Pathway. Development Committee.

2016-Present Member. Program Committee, Society for Ear, Nose and Throat Advancement in Children.

2017-Present Member. International Surgical Sleep Society Surgical Trials Workshop Group.

Member, Airway Reconstruction Outcomes Consensus Group. 2016-Present

Member. Vector Medical, Guideline Development, Medical Screening and Monitoring. 2016-Present

Member. Hospital Wide Morbidity and Mortality Committee. 2017-Present

2016-Present Supervisor. Safe Tracheotomy Care Parent Information Booklet.

2015-Present Medical Advisor. Critical Airway Response Team. Member. Pierre Robin Sequence Working Group. 2014-Present

2014-Present Supervisor. Decreasing Tracheotomy Stay Initiative.

2013-Present Member. Multidisciplinary Tracheoesophageal Fistula Clinic.

2018-Present Member, Thyroid Oncology Collaborative Working Group, Patient Care/Quality Improvement

Committee & Education Committee.

Journal Reviewer

2017-Present Sleep and Breathing.
2016-Present Dentistry Journal.
2016-Present Pediatric Pulmonology.
2015-Present Hospital Pediatrics.

2015-Present Pediatrics.
2014-Present BMC Pediatrics.
2014-Present The Laryngoscope.

2012-Present Sensors.

2006-Present International Journal of Pediatric Otorhinolaryngology.

2005-Present Canadian Medical Association Journal.

VESCAN, A

2019 April Royal College Examination Board-Otolaryngology-Head & Neck Surgery.

2019-Present Board of Directors, North American Skull Base Society.

2014-Present Director. Undergraduate Medical Education, Department of Otolaryngology-Head & Neck Surgery,

University of Toronto.

WITTERICK, I

2018-Present Director. Global Online Fellowship in Head & Neck Surgery and Oncology.

2018-Present Steering Committee. 2021 Congress, June 19-23, 2021, Vancouver, BC. International Federation

of Otorhino Laryngolgical Societies.

2017-2019 Chair. Medical Advisory Committee. Sinai Health System.

2016-Present Member. International (residency) Program Review Accreditation Committee, Royal College of

Physicians and Surgeons of Canada.

North American Skull Base Society

2013-Present Member, Surgical Education Committee.

2013-Present Member, Executive Committee. 2011-Present Member, Board of Directors.

World Congress on Thyroid Cancer

2017-Present Member. Steering Committee, World Congress on Thyroid Cancer 3.5, June 20-22, 2019, Rome,

Italv.

2017-Present Member. Steering Committee, 4th World Congress on Thyroid Cancer, July 28-31, 2021, Boston,

MA.

Canadian Society of Otolaryngology-Head & Neck Surgery

2019-Present President.

2016-Present Member. Canadian Society of Otolaryngology-HNS Council.

2015-Present Chair. Canadian Otolaryngology Academic Chairs (COACH) Committee.

2012-Present Member. Canadian Otolaryngology Academic Chairs (COACH) Committee.

2002-Present Member. Head & Neck Oncology Group.

2002-Present Member. Rhinology Group.

Faculty of Medicine, University of Toronto

2018 Member. Search Committee Bartley-Smith/Wharton Chair in Radiation Oncology.

2016-Present Deputy Speaker. Faculty Council.

2016-Present Representative. University Clinical Department Chair, Toronto Academic Health Sciences Network

Medical Affairs Committee.

2016-Present Executive. Clinical Relations Committee.
2012-Present Member. Clinical Relations Committee.

2012-Present Member. Executive Committee, Institute of Medical Science.

2012-Present Member. Clinical Chairs Committee. 2012-Present Member. All Chairs Committee.

2011-Present Member. Faculty Council Executive Committee.
 2008-Present Member. Steering Committee, Surgical Skills Centre.

Associate Editor

2010-Present American Journal of Rhinology & Allergy.

Member Editorial Board

2010-Present American Journal of Rhinology & Allergy. 2015-Present International Forum of Allergy & Rhinology.

2010-Present Skull Base.

2009-Present Ear, Nose, & Throat Journal.

Manuscript Reviewer

2019-Present Oral Oncology. 2014-Present BMJ Case Reports.

2018-Present Canadian Medical Association Journal.

2012-Present Journal of Surgical Oncology.

2011-Present Annals of Otology, Rhinology & Laryngology.

2011-Present Cancer.

2011-Present International Forum of Allergy & Rhinology. 2011-Present International Journal of Surgical Oncology. 2010-Present American Journal of Rhinology & Allergy.

2010-Present Skull Base. 2008-Present Head & Neck.

2005-Present Otolaryngology-Head and Neck Surgery.

2003-Present The Laryngoscope.

1993-Present Journal of Otolaryngology-Head & Neck Surgery.

ZIRKLE, M

2018-Present Co-Chair. Clerkship Renewal Steering Group, Faculty of Medicine, University of Toronto.

2017-Present Member. Admissions-non academic elements. Faculty of Medicine, University of Toronto.

2016-Present Member. Executive Council, Centre for Faculty Development, Faculty of Medicine, University of

Toronto.

2011-Present Chair. FitzGerald Awards Committee. St. Michael's Hospital.

2011-Present	Chair. FitzGerald Site Co-ordinators Committee. St. Michael's Hospital.

2010-Present Director. FitzGerald Academy, Undergraduate Medical Education, St. Michael's Hospital.

2010-Present Member. Executive Committee, Undergraduate Medical Education, University of Toronto.

2010-Present Member. Clerkship Committee, Undergraduate Medical Education, University of Toronto.

2010-Present Member. Clerkship Committee, Undergraduate Medical Education, University of Toronto.

Member. Curriculum Committee, Undergraduate Medical Education, University of Toronto.

St. Michael's Hospital

2018 Present Co-Chair. Network Student Experience Committee. 2015-Present Member. Collaborative Learning Working Group.

2010-Present Committee Member. Education Council.

Manuscript Reviewer

2011-Present Medical Education. 2007-Present The Laryngoscope.

2006-Present Otolaryngology-Head and Neck Surgery.

Research Grants and Contracts

BRADLEY, G		
2017-Present	Principal Investigator. Oral Squamous Cell Carcinoma Associated with Precursor Lesions-An Analysis of Ontario Cancer Data. Internal funding from the Faculty of Dentistry. This project is a collaboration among U of Toronto (lead institution), Cancer Care Ontario, Western University, Sunnybrook Health Sciences Centre, Mt. Sinai Hospital.	
CAMPISI, P		
2019-2020	Co-Principal Investigator. Development and Validation of an Intelligent Otoscope. R. Ng and W. Chui Foundation for Innovation and Commercialization Grant. P. Campisi, V. Forte. \$200,000 CAD.	
2019-2020	Co-Investigator. Vision-based flap planning software tool for reconstructive head and neck surgery. Harry Barberian Scholarship. J. Davies, M. Kang, R. Gilbert, P. Campisi, V. Forte. \$9,000 CAD.	
2019-2020	Co-Investigator. Shifting paradigms: Competence by Design and its impact on resident evaluations and feedback-A pilot study. Harry Barberian Scholarship. N. Verma, P. Campisi, M. Zirkle. \$500 CAD.	
CHEN, J		
2018-2019	Co- Investigator, FDA Clinical Trial, Oticon Neuro ZTi Cochlear Implant, William Demant Foundation, Demark. Total Funding Amount. \$250,000 CAD.	
CHEPEHA, D		
2019	Principal Investigator. Harry Barberian Scholarship: Mapping the Microbiome in Oral Cavity Squamous Cell Carcinoma. Department of Otolaryngology-Head & Neck Surgery. \$10,000 CAD.	
2018-Present	Principal Investigator. Evaluation of the Peri-Tumoral Inflammatory Microenvironment for Patients with Oral Cavity Squamous Cell Carcinoma. University Health Network. Department of Otolaryngology-Head & Neck Surgery. \$5,000 CAD.	
2018	Principal Investigator. Harry Barberian Scholarship: Are Markers of Epithelial Mesenchymal Transition Related to Pattern of Invasion in Patients with Oral Cavity Squamous Cell Carcinoma. Department of Otolaryngology-Head & Neck Surgery. \$5,000.00 CAD	
2016-Present	Principal Investigator. Rehabilitation of Head and Neck Cancer Patients with Biofeedback Training to Improve Speaking and Eating in Public. AHSC AFP Innovation Fund. \$175,600.40 CAD.	
CUSHING, S		
2019	Co-Investigator. Genetic Disorder of Mucociliary Clearance. National Institute of Health. Nominated Principal Investigator: Davis S. Co-Principal Investigators: Leigh M, Dell S, Ferkol T, Knowles, M, Krischer J, Milla C, Rosenfeld M, Sagel S, Shapiro A. \$6,249,996.000 USD.	

2015-2020	Collaborator. Overt Responses During Covert Orienting; Novel Biomarkers for the Oculomotor System in Health and Disease. Canadian Institutes of Health Research (CIHR). Pl: Corneil, Brian. Collaborator(s): Cushing, Sharon. \$739,381 CAD.			
2014-2019	Co-Investigator. Tissue Engineering of Auricular Cartilage Implants for External Ear Reconstruction. Canadian Institutes of Health Research (CIHR). Pl: Waldman, Steve. Collaborator(s): Cushing, Sharon, Higgins, Kevin. \$339,992 CAD.			
DABDOUB, A				
2018-2020	Principal Investigator. Understanding the Blood-Inner Ear Barrier. Krembil Foundation. \$584,000 CAD.			
2019-2020	Principal Investigator. Regeneration of Auditory Neurons for the Treatment of Hearing Loss. Canada First Research Excellence Fund-Medicine by Design: New Ideas Grant. \$75,000 CAD.			
DE ALMEIDA, J				
2019-2020	Principal Investigator. Cost-Effectiveness of Endoscopic Endonasal Versus Transcranial Approaches for Olfactory Groove Meningioma. Harry Barberian Scholarship Fund. Department of Otolaryngology-Head and Neck Surgery, University of Toronto. Co-investigators: Fu, Terence. Award: \$1,200 CAD.			
2019	Co-Investigator. Intratympanic N-Acetylcysteine (NAC) Injections for Prevention of Cisplatin-Induced Ototoxicity in Head and Neck Cancer Patients: Double-Blinded Phase II Randomized Controlled Trial. LRCP Catalyst Grants for Cancer Research and Training Program. PI: Nichols, Anthony. Co-Investigator: Agrawal, Sumit. \$30,000 CAD.			
2018	Co-Investigator. Oral and Intestinal Microbiome Profiling in Intermediate Risk Locally Advanced Head and Neck Squamous Cell Carcinoma Patients Receiving Chemoradiotherapy and Immunoradiotherapy. CCS Innovation Grant. Pl: Spreafico, Anna. Co-investigators: Siu Lillian, Coburn Bryan, Waldron John, Hilton John, Xu Wei, Parulekar Wendy, Guttman David. \$200,000 CAD.			
DIMITRIJEVIC, A				
2018-2023	Principal Investigator. EEG Measures of Listening Effort, Speech in Noise Perception and Auditory Streaming in Cochlear Implant users: Effects of Music Training. Oticon/Demont Foundation. Collaborators: Micahel Thaut, Bernhard Ross. \$394,000 CAD.			
2017-2019	Principal Investigator. Top down and bottom up influences on Listening Effort in adult MEDEL Cochlear Implant users. MED-EL \$100,000 CAD.			
2015-2020	Co-Principal Investigator. Idiopathic auditory dysfunction in children: nature and mechanisms. National Institutes of Health (NIH). \$1,600,000 USD.			

ENEPEKIDES, D

2018-present

Co-Investigator, Multi-Modality Optical Imaging Advancement And Integration In A Neurosurgical Experimental Operating Room. Ontario Research Fund. Victor Yang MD PhD (PI), Todd Mainprize, Danny Enepekides, Albert Yee, Dimitri Androutsos, Dafna Sussman. \$1,578,153 CAD (Total Project Funding: \$5,244,898 CAD).

ESKANDER, A

2019-2020

Principal Investigator, Intratympanic N-Acetylcysteine (NAC) Injections for Prevention of Cisplastin-Induced Ototoxicity in Head and Neck Cancer Patients: Double-Blinded Phase II Randomized Controlled Trial. Kavelman Fonn Foundation Clinical Trial Fund. Principal Investigators: Drs. Antoine Eskander and Zain Husain. Co-Investigators: Drs. Vincent Lin, Trung Le, Sumit Agrawal, Anthony Nichols. \$38,809 CAD.

2019-2020

Principal Investigator. Linking ESAS to Adverse Outcomes for Head and Neck Cancer in Ontario. Harry Barberian Scholarship Fund. Collaborators: Natalie Coburn, Jolie Ringash, Simron Singh. Resident Investigator: Christopher Noel. \$10,000 CAD.

2019-2022

Co-Applicant, PREPARE Trial: A Parallel Arm Multicentre Randomized Trial of frailty-focused PReoperative Exercise to Decrease PostoperAtive Complication Rates and Disability ScorEs. CIHR Project Grant. Principal Investigators: Principal Applicants: Daniel McIsaac, Dean Fergusson, Rachel Khadaroo, John Muscedere, Monica Taljaard. Co-Applicants: Colin McCartney, Sylvain Boet, Husein Moloo, Luke Lavallee, Sylvain Gagne, Rodney Breau, Alan Forster, Barbara Power, Allen Huang, Manoj Lalu, Sudhir Nagpal, Laura Boland, Julie Nantel, Antonio Caycedo, Antoine Eskander, Jayna Holroyd-Leduc, Ana Johnson, Grace Ma, Janet McElhaney, Tarit Saha, Celena Scheede-Bergdahl, Kednapa Thavorn, Carl van Walraven, Duminda Wijeysundera. \$1,136,025 CAD.

2019-2020

Co-Investigator, Intratympanic N-Acetylcysteine (NAC) Injections for Prevention of Cisplastin-Induced Ototoxicity in Head and Neck Cancer Patients: Double-Blinded Phase II Randomized Controlled Trial. LRCP Catalyst Grants for Cancer Research. Principal Investigators: Drs. Anthony Nichols and Sumit Agrawal. Co-Investigators: Drs. Vincent Lin, Danielle MacNeil, and Antoine Eskander. \$30,000 CAD.

2018-2019

Co-Investigator, Lead ICES Scientist. Surgical Volumes and Outcomes Among Children, Adolescents and Young Adults Treated for Thyroid Carcinoma: A Provincial Population-Based Study. GFCC Pitblado Translational Discovery Grant. Co-Principal Investigator: Nikolaus Wolter and Jonathan Wasserman. Co-Investigators: Jesse Pasternak, Jason Pole. \$40,386 CAD.

2018-2019

Principal Investigator. Thyroid Surgery Quality of Care in Ontario: Impact of Cancer Care Ontario's Quality-Based Procedure Program. Harry Barberian Scholarship Fund. Collaborators: Eric Monteiro, Jesse Pasternak, David Goldstein, Jonathan Irish. \$7,500 CAD.

GOLDSTEIN, D	
2019-2024	Principal Investigator. Active Surveillance or Surgery for Primary Management of Very Low Risk Papillary Thyroid Cancer: How often are the Long-term Disease Management Goals Achieved? Canadian Institutes of Health Research (Institute of Cancer). Collaborator(s): Co-Primary Investigator: Sawka A; Co-applicants: Baxter N, Ghai S, Tomlinson G, Gafni A, Jones J. \$1,013,625 CAD.
2019-2020	Co-Principal Investigator. Overdiagnosis and Overtreatment of Low Risk Papillary Thyroid Cancer. University Health Network. Department of Surgical Oncology. Co-PI: Sawka, Annie. \$30,000 CAD.
2019	Co-Principal Investigator. Planning a Prospective Active Surveillance Study for Low Risk Papillary Thyroid Cancer. Canadian Institutes of Health Research (CIHR)-Planning Grant. Pl: Anna Sawka and David Goldstein. Co-investigators: N. Baxter, S. Ghai. \$10,000 CAD.
2017-2018	Co-investigator. A Pilot Study Examining Primary Care Physicians' Practice and Beliefs in Thyroid Neoplasm Evaluation. University Health Network Thyroid Research Fund. Pl: Anna Sawka. Co-investigators: David P. Goldstein (UHN), Sangeet Ghai (UHN), Hedy Jiang (CCO), Patrick Brown (University of Toronto). \$35,000 CAD.
GORDON, K	
2013-2018	Primary Investigator. Restoring Binaural Hearing to Children who are Deaf. Co-Investigator: Papsin BC, CIHR Operating Grant. (ranked 1st in competition). \$623,602 CAD.
HIGGINS, K	
2019	Co-Principal Investigator. Kavelman Fonn Clinical Trial Grant-Head and Neck Pathomics. Collaborator(s): Tran W, Karam I, Curpen B, Weinreb I, Higgins K, Tabbarah S, Law C, Czarnota G. \$75,000 CAD.
2019	Co-Investigator. New Frontiers in Research Fund-Exploration (Protective Effects of Sodium Thiosulfate and Mannitol Against Cisplatin-Induced Hearing Loss: A Phase II Randomized Controlled Trial). Collaborator(s): Lin V, Chen J, Enepekides D, Karam I, Poon I, Hussain Z, Eskander A, Higgins KM. \$125,000 CAD per annum.
2018	Collaborator. Improving Integrative Care and Patient Experience by Diffusing and Disseminating Study Results of "Assessing the impact of Cancer Care Ontario's Psychosocial Oncology & Palliative Care Pathway in Head and Neck Cancer Patients". Principal Investigator: Ellis J. Collaborator(s): Higgins KM. \$8,500 CAD.
2014-2018	Co-Principal Investigator. Tissue Engineering of Auricular Cartilage Implants for External Ear Reconstruction. CIHR. Principal Investigator(s): Waldman S, Higgins KM. Collaborator(s): Cushing S, Kunz M, Pang S, Winterborn A. \$460,000 CAD.

IRISH, J			
2017– 2022	User. Precision Cancer Medicine. Project 4: Image Guided Therapy. Canada Foundation for Innovation. (for GTx-Lab CBCT-J Irish). Pl: Brad Wouters. \$29,517,912 CAD. (total) \$11,807,165 CAD (CFI) \$800,000 CAD.		
2017– 2022	Co-Principal Investigator, Project 3 Leader. Porphysome Nanoparticle-Enabled Image-Guided Cancer Interventions. The Terry Fox New Frontiers Program Project Grant. PI: Gang Zheng. \$6,616,301 CAD.		
2017–2022	Program Expert. Porphyrin Nanomedicine for Cancer Imaging and Therapy. CIHR Foundation Grant. PI: Gang Zheng. Other Program Experts: Yasufuku K, Bernardini M, Ghai S, Oza A. \$3,750,000 CAD.		
2016-Present	Collaborator. Clinical Trial Development with Nanovista: An Interventional Imaging Agent Platform to Improve the Precision of Personalized Cancer Therapies. Princess Margaret Cancer Foundation. Innovation Accelerator Fund. Pl: Zheng Jinzi. Collaborator(s): J Irish, DA Jaffray, C Allen. \$250,000 CAD.		
2015-Present	Co-investigator. Porphysome-Based Imaging and Therapy for Head and Neck Cancer. Princess Margaret Cancer Foundation. Innovation Accelerator Fund. Pl: Zheng Gang. \$250,000 CAD.		
2016-2019	Co-Principal Investigator. Analysis of Circulating Tumor Cell Heterogeneity Using a Multi-Marker Microscale Capture Approach as a Tool in the Management and Treatment of Cancer Research. Canadian Institutes of Health Research (CIHR) and Natural Sciences and Engineering Research Council of Canada (NSERC). Collaborative Health Research Projects. PI: Kelly Shana and Irish Jonathan. Collaborator(s): A Allan, T Cil, A Joshua, E Sargent. \$589,700 CAD.		
2014-2019	Co-Investigator. Science Operating Room Extension (ScORE). Canada Foundation for Innovation. Leaders Opportunity Fund—Funding for research infrastructure. Pl: Jaffray David. Collaborator(s): Zheng G. \$1,997,099 CAD.		
JAMES, A			
2018-2019	Principal Investigator. Steerable Endoscopic Ear Surgery Instrument. SickKids Proof-of-Principle Grant Competition Collaborator(s): Andrysek J, Swarup A. \$56,000 CAD.		
LAUGHLIN, S			
2018-2023	Co-Investigator. White Matter Plasticity in Brain Synchronization and Memory. Canadian Institutes of Health Research (CIHR). Pl: Mabbot D. Collaborator(s): Bartels U, Decker A, Frankland P, Laughlin S, Lefebvre J, Oyefiade A, Ramaswamy V. \$1,147,500 CAD.		
LE, T			
2017-Present	Principal Investigator. Magnetic Targeting Delivery of Stem Cell and Gene Therapy to the Inner Ear.Start-up Fund. Sunnybrook Hearing Regenerative Program. Total Funding-\$300,000 CAD.		

2018-2019	Principal Investigator. Magnetic Targeting of Paramagnetic Contrast in the Inner Ear for MR Imaging and Therapy. Harry Barberian Research scholarship. Total Funding-\$10,000 CAD.			
2019-2023	Co-Principal Investigator. Neurodegenerative Mechanisms by TrkC.T1 and p75 Receptors: Target Validation and Rationale for Therapeutic Intervention. CIHR Project grant. \$1,361,700 CAD.			
LEE, J				
2019- Present	Principal Investigator. Nasal Nitric Oxide as a Biologic Marker for Long-Term Mucosal Health in Patients with Chronic Rhinosinusitis Undergoing Endoscopic Sinus Surgery. Harry Barberian Grant. Collaborator(s): Wu V, Lee D. \$5,295 CAD.			
2018– Present	Principal Investigator. Identifying the Hearing Needs of the Homeless and Marginally Housed Population of Toronto's Central Local Health Integration Network: A Pilot Study. Harry Barberian Grant. Collaborator(s): Noel C, Mok F, Lin, V, Zirkle M. \$6,000 CAD.			
LIN, V				
2019– 2023	Co-Principal Investigator. Elucidating the Paradox of TrkC Receptor Isoforms Causing either Neuronal Survival or Degeneration: Target Validation and Therapeutic Rationale Using Isoform-Selective Pharmacological and Biological Tools. Canadian Institutes of Health Research. \$1,750,000 CAD.			
2019– 2020	Co-Investigator. Intratympanic N-Acetylcysteine (NAC) Injections for Prevention of Cisplatin-Induced Ototoxicity in Head & Neck Surgery Patients: Double Blinded Phase II Randomized Controlled Trial. LRCP Catalyst Grants for Cancer Research and Training. PI: Anthony Nichols. \$30,000 CAD.			
LIU, F-F				
2018-2020	Co-Principal Investigator. Development of a Fat2-Targeting Antibody for the Treatment of Head and Neck Squamous Cell Carcinoma. MaRS Investment Accelerator Fund. Co-PI(s): Kislinger T, Liu FF, Samudio I, Cummins E. \$250,000 CAD.			
2018-2021	Co-Principal Investigator. Molecular Analyses of the Protocadherin Fat 2: A Novel Therapeutic Target in Head and Neck Cancers. Innovation to Impact Grants (i2l), Canadian Cancer Society Research Institute. Co-PI(s): Kislinger T, Liu FF, Samudio I, Cummins E. \$450,000 CAD.			
2017-2021	Co-Investigator. PMH-HKU-SZH Radiation Oncology High Level Medical Team "Sanming Project of Medicine in Shenzhen". Health and Family Planning Commission of Shenzhen Municipality. Collaborator(s): O'Sullivan B (PI), Dawson L, Wong R, Huang SH, Zhang BB. \$12,000,000 RMB.			
2017-2022	Principal Investigator. Seeking Molecular Signatures for Nasopharyngeal Carcinoma. Project Grant Competition, Canadian Institutes of Health Research. Collaborator(s): Bratman S, Bruce J, Haibe-Kains B, Pugh T, Weinreb I, Xu W, Yip K, Le QT, Ng LWT. \$1,147,500 CAD.			

2013-2018

Co-Investigator. Novel Ultrasound-Activated Microbubble Enhancement of Radiation Response: Optimization of Response. Canadian Institutes of Health Research. Collaborator(s): Czarnota GJ, Kolios MC (Co-Pls). \$706,608 CAD.

MARTINO, R

2018-2021

Co-Investigator. Efficacy of the Rehabilitation Planning Consult for Survivors of Head and Neck Cancer: A phase II Randomized Controlled Trial. Canadian Cancer Society Research Institute, Innovation to Impact Grant. Pl: J. Ringash. Co-Investigators: A Davis, L Moody, K Higgins, J Jones, S McEwen. \$450,000 CAD.

2018-2023

Co-Investigator. The Development and Validation of a Novel Tool for the Assessment of Bulbar Dysfunction in ALS. National Institutes of Health National Institutes of Deafness and Communications Disorders. PI: Yunusova Y. co-PI: Green JR. Co-investigators: Barnett-Tapia C, Berry J, Martino R, Zinman L. \$2,824,870.02 USD.

2018-2023

Principal Investigator. Canada Research Chair (Tier II) in Swallowing Disorders. Canada Research Chairs. \$500,000 CAD.

2018-2024

Co-Principal Investigator. PRO-ACTIVE: Comparing the Effectiveness of PROphylACTic Swallow InterVEntion for Patients Receiving Radiotherapy for Head and Neck Cancer. Patient Centered Outcomes Research Institute. Co-PI: K Hutcheson. Co-Investigators: S Langmore, T McCulloch, C Lazarus, K Thorpe, D Fuller, J Ringash, A Hope, C McDonald, M Fitch, J Theurer, D Palma, K Sultanem, K Pytynia. \$8,509,931 USD.

2017-2019

Senior Investigator. Pediatric Feeding and Dysphagia Service Provision in Canada. Speech-Language and Audiology Canada. Pl: R Perlin. Co-Investigator: J Wadds. \$3,500 CAD.

2017-2020

Co-Investigator. Finding/Identifying Primaries with Neck Disease (FIND Trial): A Pilot Study Integrating Transoral Robotic Surgery, Histopathologic Localization, and Tailored De-Intensification of Radiotherapy for Unknown Primary and Small Oropharyngeal Head and Neck Squamous Cell Carcinoma. Princess Margaret Cancer Foundation, Innovation Funds for Surgical Oncology. Pl: J de Almeida. Co-Investigators: J Kim, D Chepeha, SV Bratman, DP Goldstein, R Jang, E Yu, U Metser, I Weinreb, B Perez-Ordonez, W Xu. \$70,000 CAD.

2016-2020

Co-Investigator. Swallowing Substudy to 'A Randomized Phase II Trial for Patients with p16 Positive Non-Smoking Associated, Locoregionally Advanced Oropharyngeal Cancer'. National Cancer Institute (USA). National Clinical Trials Network. PI: S Yom. Co-Investigators: M Gillison, J Caudell, M Gibson, J Waldron, P Xia, C Chung, M Yao, C Kong, R Subramaniam, R Jordan, Q Zhang M Truong, L Walters-Page, J Rueter, V Patel, J Lewin. \$284,810 USD.

MONTEIRO, E

2019

Supervisor. Harry Barberian Scholarship Fund. Opioids in Otolaryngology-Head & Neck Surgery. Hamour A, Laliberte F, Lin V, Eskander A. \$3,426 CAD.

2018	Co-Supervisor. Harry Barberian Scholarship Fund. Illustrating Otolaryngology: Creating Reputable Resources for Canadian Otolaryngology Patients. Xu Josie, Vescan A, Witterick I. \$5,348 CAD.		
OSBORN, A			
2018-2019	Co-Investigator. Molecular Targets of Rapamycin in Lymphatic Endothelial Cells. Harry Barberiar Scholarship. Wolter NE (co-investigator) \$7,936.40 CAD.		
2019-Present	Co-Investigator. Development and Analysis of an in vivo Model of Lymphatic Malformations in Vertebrates. Harry Barberian Scholarship. Wolter NE (Co-Investigator) \$8,104 CAD.		
PROPST, E			
2018– 2023	Principal Investigator (Restracomp Award granted to my student Ashley Deonarain). Creation of a Model for Tracheostomy and Open Airway Surgery. SickKids-University of Toronto OSOTF Endowment. \$130,000 CAD.		
2018-Present	Principal Investigator. Whole Genome Sequencing of Complete Tracheal Rings. McLaughlin Centre Whole Genome Sequencing in Health Initiative. \$40,000 CAD.		
WOLTER, N			
2019– 2024	Co-Investigator. Genetic Disorder of Mucociliary Clearance. National Institute of Health (NIH). Nominated Principal investigator: Davis S Co-Principal Investigators: Leigh M, Dell S, Ferkol T, Knowles M, Krischer J, Milla C, Rosenfeld M, Sagel S, Shapiro A. \$6,249,996.00 USD.		
2019– 2020	Co-Investigator. Development and Analysis of an in vivo Model of Lymphatic Malformations in Vertebrates. Harry Barberian Scholarship Award. Collaborators: Nikolaus E. Wolter, Jennifer K. Wolter, Alexander J. Osborn. \$8,604 CAD.		
2018– 2019	Co-Investigator. Surgical Volumes and Outcomes Among Children, Adolescents, and Young Adults Treated for Thyroid Carcinoma. Garron Family Cancer Centre Pitbaldo Basic/Translational Discovery Grant. Collaborators: Nikolaus E. Wolter. Jonathan Wasserman, Antoine Eskander, Jason Pole. \$40,386 CAD.		



residents E fellows

Residents & Fellows

PGY 1

Amr Hamour Jong Wook (John) Lee Vincent Wu Weining Yang Hedyeh Ziai

PGY 2

Justin Cottrell
Terence Fu
Daniel Lee
Shireen Samargandy
Jennifer Siu
Neil Verma

PGY 3

Neil Arnstead Peter Dixon Christopher Hong Florence Mok Christopher Noel

PGY 4

Joel Davies Frédérick Laliberté Mirko Manojlovic Kolarski Sunita Rai Josie Xu

PGY 5

Yael Bensoussan Weibo Hao Yelda Jozaghi Patrick Scheffler Xiao Zhao



Department of Otolaryngology - Head & Neck Surgery 2018-2019 Residents

[Left to Right] Front Row: Amr Hamour-PGY1, Shireen Samargandy-PGY2, Florence Mok-PGY3, Sunita Rai-PGY4,

Dr. Paolo Campisi, Visiting Professor Dr. Michael Cunningham, Dr. Ian Witterick, Hedyeh Ziai-PGY1, Jennifer Siu-PGY2, Josie Xu-PGY4, Christopher Hong-PGY3

Middle Row: Weibo Hao-PGY5, Jong Wook (John) Lee-PGY1, Terence Fu-PGY2, Justin Cottrell-PGY2,

Frédérick Laliberté-PGY4, Patrick Scheffler-PGY5, Daniel Lee-PGY2, Xiao Zhao-PGY5,

Vincent Wu-PGY1, Christopher Noel-PGY3

Back Row: Neil Arnstead-PGY3, Peter Dixon-PGY3, Joel Davies-PGY4, Neil Verma-PGY2, Weining Yang-PGY1

Missing Residents: Mirko Manojlovic Kolarski-PGY4, Yael Bensoussan-PGY5, Yelda Jozaghi-PGY5

Fellowship	Fellow	Country of Training	Mentor(s)
Head and Neck Surgical Oncology	Felipe Cardemil Konrado Deutsch Catriona Douglas (Research) Wael Hasan Ashok Jethwa Mohemmed Khan Axel Sahovaler Andrew Sewell Carissa Thomas Marco Ferrari (Research)	Chile Brazil Scotland Ireland USA USA Argentina USA USA ISA	University Health Network: Drs. Dale Brown, Douglas Chepeha, John de Almeida, Jonathan Irish, Ralph Gilbert, David Goldstein, Patrick Gullane Sinai Health System: Dr. Jeremy Freeman Sunnybrook HSC: Drs. Danny Enepekides, Kevin Higgins
Facial Plastic & Reconstructive Surgery	Rosa Lipin	USA	Dr. Oakley Smith
Facial Plastic & Reconstructive Surgery	Michael Roskies	Canada	Dr. Jamil Asaria
Paediatric Otolaryngology	Patricia Purcell Sunil Sharma	USA UK	Hospital for Sick Children: Drs. Paolo Campisi, Sharon Cushing, Adrian James, Blake Papsin, Evan Propst, Nik Wolter
Rhinology, Skull Base and Head & Neck Oncology	Peter Tomazic	Austria	Sinai Health System: Drs. Ian Witterick, Allan Vescan, Eric Monteiro
Otology Skull Base Surgery	Matthew Crowson Maya Kuroiwa Rivero	USA Chile	Sunnybrook HSC: Drs. Joseph Chen, Vincent Lin
Medical & Surgical Otology/Neurotology	Khalid Alzaabi Paul Douglas-Jones Fatemeh Hassan Nia (Research) Jennifer Lee Rana Barake	Oman South Africa Iran Austria Lebanon	University Health Network: Dr. John Rutka Markham Stouffville Hospital: Drs. Jerry Halik, Ambrose Lee
Laryngology	Mohamed Al-Ali	Canada	St. Michael's Hospital: Dr. Jennifer Anderson
Otolaryngology-Head & Neck Surgery	Stephen Chen	Canada	Dr. Paolo Campisi



departmental awards program

Departmental Awards Program

These awards are presented on Percy Ireland Day or the evening before at the Percy Ireland Dinner.



Dr. Christopher Noel (PGY3) received the Chapnik, Freeman and Friedberg Clinical Scientist Program Award - In recognition of a resident/fellow (who are postgraduate MD trainees) or junior faculty in the Department of Otolaryngology-Head & Neck Surgery enrolled in a Master of Science or Master in Education, Master of Health Science, or PhD degree at the University of Toronto, to pursue advanced research training.



Dr. Neil Arnstead (PGY3) received the *Freda Noyek Otolaryngology Merit Award* - In recognition of special commitment to patient care and academic achievement.



Dr. Daniel Lee (PGY2) received the *Judy Chauvin Otolaryngology Resident Award* - In recognition of an enthusiastic interest in the initiation of a serious otolaryngology-related research project.



Dr. Rosa Lipin received the *Kris Conrad Merit Award in Facial Plastic Surgery* - For demonstrating outstanding skills in facial plastic surgery.



Dr. Nikolaus Wolter received the *Resident Advocate Award* - In recognition of dedication to improving the residency program through support and mentorship.



Dr. Florence Mok (PGY3) received *The Shiley E.O. Pelausa Award* - For demonstration of excellent clinical work by a PGY3.



Dr. Antoine (Tony) Eskander received the *Department of Otolaryngology-Head & Neck Surgery Excellence in Teaching Award* - Awarded to a faculty member who demonstrates excellence in teaching and education with contributions made at the level of undergraduate, postgraduate and/or continuing education.



Dr. Yael Bensoussan received the *Resident Teacher of the Year Award* - Awarded to a PGY5 resident who is judged to have been an outstanding teacher to other residents and medical students during their residency.



Dr. Ashok Jethwa received the *Fellow Teacher of the Year Award* **-** Awarded to a fellow who is judged to have been an outstanding teacher to residents and medical students during their fellowship.



Dr. Jeffrey Mendelsohn received the *Alma Smitheringale Excellence in Undergraduate Teaching Award* - Awarded to a faculty member, resident or fellow for outstanding undergraduate teaching or curriculum development.



Dr. John Rutka received the *Distinguished Alumnus Award* **-** Awarded to an alumnus in recognition of having demonstrated an exceptional commitment and dedication to the practice and teaching of otolaryngology-head & neck surgery and whose professional ethical standards have been of the highest order.



Dr. Yael Bensoussan received the *Dr. Raymond H. W. Ng Graduate Award* - Awarded to a graduate student enrolled in a full-time MSc program in the Faculty of Medicine.

2018-19 Harry Barberian Scholarship Awards

Neha Chauhan, PhD

A Novel Approach to Deliver Therapeutics to the Inner Ear Using MRI-guided Focused Ultrasound.

Dr. Justin Cottrell (PGY2)

Gene Expression Profiles as Non-invasive Measure of Adult Cochlear Implant Performance.

Dr. Peter Dixon (PGY3)

Eliciting Health State Utility Values for the Novel Health Utility Index Hearing Attribute.

Dr. Christopher Noel (PGY3)

Linking Symptom Burden with Emergency Room Visits and Unplanned Hospitalizations in Patients with Head and Neck Cancer.

Brandon Paul, PhD

Testing for Improvements of Cognitive Ability Following Cochlear Implantation: Evidence for Hearing Restoration as a Strategy to Reduce the Risk of Dementia in Older Adults.

Dr. Amr Hamour (PGY1)

Opioids in Otolaryngology-Head and Neck Surgery.

Dr. Terence Fu (PGY2)

Cost-effectiveness of Endoscopic Endonasal Versus Transcranial Approaches for Olfactory Groove Meningioma.

Guodong Fu, PhD

Molecular Testing of BRAF Mutation in Thyroid Cancers Using Multiplexed and Ultrasensitive Digital PCR Detection Based on Fine Needle Aspiration Biopsy from Thyroid Nodules.

Dr. Neil Verma (PGY2)

Shifting Paradigms: Competence by Design and its Impact on Resident Evaluations and Feedback - A Pilot Study.

Drs. Nikolaus Wolter and Alex Osborn

Development and Analysis of an In Vivo Model of Lymphatic Malformations in Vertebrates.

Dr. Vincent Wu (PGY1) and Dr. Daniel Lee (PGY2)

Nasal Nitric Oxide as a Biologic Marker for Long-Term Mucosal Health in Patients with Chronic Rhinosinusitis Undergoing Endoscopic Sinus Surgery.

Dr. Hedyeh Ziai (PGY1) and Dr. Carissa Thomas (Clinical Fellow)

Mapping the Oral Cavity Microbiome in Head and Neck Squamous Cell Carcinoma.

Dr. Jong Wook Lee (PGY1) and Dr. David Goldstein

A Personalized Genomic Approach to Treatment-Related Hearing Loss in Head and Neck Cancer Patients.

Dr. Joel Davies (PGY4) and Dr. Matthew Kang

Vision-Based Flap Planning Software Tool for Reconstructive Head and Neck Surgery.

Dr. Shireen Samargandy (PGY2)

Innovation of an Anatomically-Accurate Thyroid and Neck Model for Simulation of Ultrasound-Guided Fine Needle Aspiration Biopsies.





percy ireland academic day

Annual Percy Ireland Dinner

THURSDAY MAY 9, 2019 InterContinental Toronto Yorkville



















28th Annual Percy Ireland Academic Day

FRIDAY MAY 10, 2019 University of Toronto's Hart House, Music Room

The Department of Otolaryngology-Head & Neck Surgery held its 28th Annual Percy Ireland Academic Day on May 10, 2019 at the University of Toronto's Hart House.



Visiting Professor **Dr. Michael Cunningham** (Professor of Otolaryngology at Harvard Medical School and Otolaryngologist-in-Chief, Department of Otolaryngology and Communication Enhancement at Boston Children's Hospital) delivered *The Percy Ireland Oration* titled: "Juvenile Nasopharyngeal Angiofibroma Etiologic Conundrum, Surgical Challenge and Recidivism Risk"



Professor Emeritus Michael Hawke was our Guest of Honour

L to R: Drs. Michael Hawke, Robert Josephson, lan Witterick and Anthony Jahn

BEST PAPER IN EACH OF FIVE CATEGORIES

Recognition is given to one presenter in each category



Category 1 - Work undertaken by post-residency research fellows/graduate degree students:

Awarded to Ms. Claire McSweeny for her project: "Working Memory and Academic Performance Impairment in Children with Hearing Loss".

L to R: Dr. Ian Witterick, Ms. Claire McSweeny and Dr. Paolo Campisi



Category 2 - Work undertaken by PGY2 residents during clinical rotation:

Awarded to Dr. Justin Cottrell for his project: "Measuring Quality: Development of Quality Indicators for Chronic Rhinosinusitis".

L to R: Drs. lan Witterick, Justin Cottrell and Paolo Campisi



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

Awarded to Dr. Christopher Noel for his project: "Deriving Health Utility Scores from Head and Neck Cancer Quality of Life Instruments: Mapping UWQoL and EORTC QLQ-C30 & QLQ-HN35 onto EQ-5D and HUI-3 Indices".

L to R: Drs. lan Witterick, Christopher Noel and Paolo Campisi



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

Awarded to Dr. Joel Davies for his project: "Evaluation of Hardware Complications Following Oromandibular Reconstruction Using Three-Dimensional Analysis".

L to R: Drs. lan Witterick, Joel Davies and Paolo Campisi



Category 5 - Work undertaken by post-residency clinical fellows:

Awarded to Dr. Patricia Purcell for her project: "Hearing and Development Outcomes Among Children with Asymptomatic Congenital Cytomegalovirus".

L to R: Drs. Ian Witterick, Patricia Purcell and Paolo Campisi



Best Overall Presented Paper:

Awarded to Dr. Jennifer Siu for her project: "The Effect of Energy-based Devices Compared to Conventional Hemostasis on Post-operative Neck Hematoma after Thyroid Operations".

L to R: Drs. Ian Witterick, Jennifer Siu and Paolo Campisi



departmental committee reports



Executive

Dr. I. Witterick (Chair)

Members: Jennifer Anderson, Paolo Campisi, Yvonne Chan, Al Chiodo, Alain Dabdoub, Danny Enepekides, Ralph Gilbert, Patrick Gullane, Robert V. Harrison, Kevin Higgins, Jonathan Irish, John Lee, Vicky Papaioannou, Blake Papsin, Allan Vescan.

The departmental Executive Committee is the senior advisory body to the Chair. The committee includes the hospital chiefs, the directors of undergraduate and postgraduate medical education, continuing professional development, education and research vice-chairs, chairs of committees (Advancement, Departmental Appointments Committee, Promotions and Quality & Safety), the heads of our four divisions (1. Audiology; 2. Facial Plastic and Reconstructive Surgery; 3. Head & Neck Oncology and Reconstructive Surgery and 4. Rhinology) and a representative from the Community Academic Faculty. The Executive Committee receives reports from all standing committees on a monthly basis and distributes minutes of the meetings to faculty members. The committee provides guidance to the Chair in all matters related to the functioning of the department. The committee continues to work well providing input and advice on the running and future directions of our department. I am indebted to the high calibre of collegiality and assistance from the members of this committee.



Undergraduate Medical Education

Dr. Allan Vescan (Chair)

Members: Jason Atlas, Dale Brown, Sharon Cushing, Vinay Fernandes, Aman Grewal, Kevin Higgins, Brad Hubbard, John Lee, Bosco Lui, Jeffrey Mendelsohn, Raewyn Seaberg, Manish Shah, Jack Shahin; Clerkship Representative: Cathy Li.

Our Undergraduate Medical Education (UME) Portfolio has seen significant changes over the past couple of years in Pre-Clerkship with the Foundations Curriculum and changes to Clerkship are being planned over the next couple of years. Over 1,000 medical students are exposed to our specialty in various educational opportunities throughout their four years of medical school in both our academic and community academic centres.

Pre-Clerkship Courses

Dr. Brad Hubbard continues to represent our department during the pre-clerkship curriculum as Assistant UME Director and leads in the delivery of the Foundations Curriculum. The courses include ICE 1 and 2, TOPIC, Portfolio and Longitudinal Elective courses.

This year our department was invited to take part in the Surgical Exploration and Discovery Program (SEAD) for the first time. SEAD offers exclusive access to Toronto's most advanced operating rooms, highly sought-after mentorship opportunities with U of T's diverse surgeons and hands-on skill development with cutting-edge simulators. The first year students had the opportunity to practice hands-on skills in OHNS led by some of our residents; Dr. Joel Davies and Dr. Daniel Lee and an information session on a career in OHNS.

The SEAD program builds on the other events and career information nights that we host for 1st and 2nd year students. Thank you to Dr. Joel Davies and Dr. Chris Noel for their contributions and inspiring comments about their path to OHNS.

Post-Clerkship Courses

Dr. John Lee serves as the Assistant Director of UME overseeing the TTR (Transition to Residency Program), Fusion course and Portfolio course.

Our Foundations Curriculum in UME was met with very positive feedback from the students and involves a week based around a virtual online clinic, three lectures, workshops, eLearning materials, anatomy labs as well as student led and faculty led case-based learning (CBL).

The clerkship course continues to be delivered with our hybrid model, where half of the approximately 260 medical students will rotate through our community academic sites and half will be in our more traditional academic teaching units. This continues to provide an improved environment for our learners. We are moving toward a clerkship redesign to be rolled out in 2021. Stay tuned for updates.

The entire UME portfolio has migrated to an online exam bank using the ExamSoft platform. I would like to thank Andrea Donovan and our residents for their support and hard work at entering and revising many of our materials that are used for summative assessment through Mastery Exercises at the end of clerkship rotations.

I would like to sincerely thank all of our faculty for their amazing contributions to UME over this past year and look forward to your continued support. Special thanks to all of our site coodinators, Dr. John Lee, Dr. Brad Hubbard and Andrea Donovan for their tireless effort in the delivery of UME for our department.

I would like to also congratulate Dr. Jeff Mendelsohn for receiving the Alma Smitheringale Undergraduate Teaching Award this past year. Seeing our community academic faculty recognized for their exceptional contributions is very gratifying.

I truly appreciate everyone's continued patience and commitment to our UME mandate through the ever changing environment.



Residency Program

Dr. Paolo Campisi (Chair)

Members: Brad Hubbard (MGH), John Lee (SMH), John de Almeida (UHN), Vincent Lin (SHSC & Resident Research Coordinator), Eric Monteiro (SHS), Janet Chung (MAM), Weining Yang (PGY1), Terence Fu (PGY2), Neil Arnstead (PGY3), Joel Davies (PGY4), Yael Bensoussan (PGY5), Matthew Crowson & Wael Hasan (Fellows' Rep)

The 2018-2019 academic year represented the second year following the introduction of a Competency-Based Education (CBME) residency program. The University of Toronto has been at the forefront of this national initiative with our department providing important early feedback to the PGME offices and the Royal College regarding CBME implementation. The program piloted an online smartphone program that allowed the completion of assessments in real time. This experience was helpful in guiding PGME on strategic decisions that would impact residency programs across the University of Toronto. Dr. Campisi currently chairs the Best Practices in Evaluation and Assessment (BPEA) IT Useability Working Group to further modify existing software to better serve the needs of Program Directors and Administrators.

The residency program developed and is continuing to use a procedure logging system that is in line with the Accreditation Council for Graduate Medical Education (ACGME) and has now been rolled out to many residency programs in Canada. These developments place our department at the forefront of postgraduate education innovation. This would not have been possible without the tremendous support of the PGME office and the Education

Innovation Group. A special thanks to Dr. Glen Bandiera, Dr. Susan Glover Takahashi, Ms. Caroline Abrahams, Ms. Lisa St. Amant and all the members of the BPEA IT Useability Working Group.

This PGME report also celebrates the ongoing outstanding contributions of our residents, fellows, and faculty in the department. The Residency Program Committee (RPC) has been working tirelessly on a monthly basis guiding the residency program and ensuring a high quality educational program and the introduction of new educational experiences for our residents. Most importantly, it has engaged our learners to play an active role in the management of our program.

A sincere thank you to all of the members of the RPC (listed above) for their invaluable contributions.

A very special thank you to Ms. Andrea Donovan, Administrative Assistant to Dr. Campisi. She expertly manages all aspects of the residency program and the RPC. She is an invaluable resource to the residents, fellows and faculty.

Residents

There were 26 residents and 25 clinical and research fellows enrolled in postgraduate training programs within our department. Dr. Yael Bensoussan served as the Administrative Chief Resident and represented the interests of the residents diligently. Dr. Bensoussan completed her term on April 30, 2019 and Dr. Mirko Manojlovic Kolarski was subsequently elected as incoming Chief Resident. Thank you to Yael and Mirko for their excellent work on behalf of the residents.

Congratulations to Drs. Yael Bensoussan, Yelda Jozaghi, Weibo Hao, Patrick Scheffler, and Xiao Zhao for completing their residency training and successfully passing their Royal College Examinations. Yael, Yelda, Patrick and Xiao have secured fellowship training in various subspecialty areas including laryngology, pediatrics, and head and neck surgical oncology in prestigious programs in the United States. Weibo has secured a locum position in Peterborough.

Resident Selection

The CaRMS selection process was held on January 25, 2019 using best practices guidelines. The process included file reviews, traditional interviews, multiple-mini interviews (MMI), and a surgical skills station. The Selection Committee continues to have significant resident representation. The traditional interviews were conducted by Drs. Paolo Campisi, Vincent Lin, Yael Bensoussan, Joel Davies, Sunita Rai and Weibo Hao. The MMIs were co-administered by faculty-resident teams: Drs. Yvonne Chan and John de Almeida, Drs. Janet Chung and Christopher Hong, Drs. Eric Monteiro and Justin Cottrell, Drs. Doug Chepeha and Florence Mok. The surgical skills station was prepared and administered by Drs. Neil Arnstead and Daniel Lee. Additional event coordination was provided by Drs. Yael Bensoussan and Sunita Rai. A sincere thank you to all the members of the Selection Committee for their dedication to this very important day for the department. The program successfully matched all available positions to Canadian medical graduates. The department was delighted to welcome Drs. Brian Shin and Chantal Li from the University of Toronto, Grace Yi from the University of British Columbia, Edward Sykes from Queen's University, and Adam Kwinter from Western University. The department also welcomed Fahad Aldhahri as an international medical graduate from the Kingdom of Saudi Arabia.



CaRMS 2019 Selection Committee

Residency Curriculum

The Residency Core Curriculum continues to be provided over a 3-year cycle to residents in the PGY2-PGY4 years. In the 2018-2019 academic year, the core topics covered were pediatrics and laryngology. Drs. Paolo Campisi and Jennifer Anderson served as leads for the series of lectures provided. The PGY1 residents attended weekly "Foundations of Surgery" lectures throughout the year and a two-week "Prep Camp" in July 2018 prior to joining clinical rotations. The PGY5 residents participated in weekly fellowship study lectures provided by faculty in preparation for the Royal College examinations. Residents in the PGY2-PGY5 years wrote the annual National In-Training Examination in December 2018. Once again, our residents performed very well on this examination. The faculty members have continued to provide an incredible number of exceptional clinical courses for the residents and fellows. A special thank you goes out to Drs. Andres Gantous, Ashlin Alexander and Michael Brandt for organizing the Soft Tissue Dissection and Rhinoplasty courses, Drs. John Lee and Allan Vescan for the Endoscopic Sinus Surgery course, Drs. Yvonne Chan and Jamil Asaria for the Injectables Course, Drs. Jennifer Anderson, Jun Lin, Taryn Davids and Tulika Shinghal for the Laryngeal Framework Lab and the many faculty and fellows that have contributed to the anatomy course and series of Temporal Bone Dissection courses provided throughout the academic year.

The PGY4 residents attended the annual American Academy of Otolaryngology-Head and Neck Surgery meeting in Atlanta, Georgia in October 2018. This opportunity has been generously funded every year by the faculty at the core teaching sites. Thank you to the faculty at the Hospital for Sick Children, St. Michael's Hospital, Sinai Health System, Sunnybrook Health Sciences Centre and the University Health Network.

The fifth annual resident retreat was held on June 7, 2019. The theme for the retreat was "Mentorship". A workshop was organized through the PGME Wellness office and a resident survey was administered to determine the best approach to develop a mentorship program for our department.

Lastly, a special thank you to Drs. John de Almeida, Eric Monteiro, and the faculty mentors for organizing and providing mentorship for the Journal Club meetings. During the 2018–2019 academic year, several new formats and venues were piloted to help engage more participation. Thank you to Drs. John de Almeida and Jamil Asaria for hosting the events at their homes.

Fellowship Programs

The Department of Otolaryngology - Head & Neck Surgery at the University of Toronto continues to be a beacon for fellowship training nationally and internationally. There were 25 fellows enrolled in clinical and research training programs in our department for the 2018–2019 academic year.

Research

The PGY2 residents continue to participate in a four month research block under the supervision of various faculty members. During the 2018–2019 academic year, new initiatives were maintained to help mentor the incoming PGY2 residents in advance of their research block. Residents were required to submit a research proposal and plan that was reviewed by the RPC and Research Committees. A research curriculum was also introduced during the 2018–2019 academic year. Residents participated in a weekly curriculum to

reinforce research concepts such as research design, ethics, presentations and statistical analysis.

Dr. Peter Dixon completed a Master's Degree program in epidemiology as part of the Clinician Scientist Program. Dr. Jennifer Siu completed a Master's Degree in Public Health at Harvard University. Dr. Christopher Noel has initiated his Master's Degree in the Clinician Investigator Program under the supervision of Drs. Tony Eskander and Natalie Coburn.

The 6th Annual Harry Barberian Memorial Dinner was held on May 6, 2019. The proceeds from this annual event are used to fund resident and faculty research in the department. The recipients of Harry Barbarian Scholarships for 2019 are listed in the "Departmental Awards Program" section of the annual report. A special thank you to Mr. Arron Barberian and Dr. Jeremy Freeman for their ongoing support of this annual event.

The Percy Ireland Annual Academic Day was held on May 10, 2019. The invited professor was Dr. Michael Cunningham from Boston Children's Hospital and Harvard University. The award recipients of the various categories are listed in the "Percy Ireland Academic Day" section of this report.

Research and Teaching Awards

Dr. Yael Bensoussan was recognized by her peers as the *Resident Teacher of the Year*. Dr. Ashok Jethwa was recognized by the residents as the *Fellow Teacher of the Year*. Dr. Tony Eskander was recognized by the residents as the *Faculty Teacher of the Year*. Dr. Nik Wolter was recognized with the *Resident Advocacy Award*.

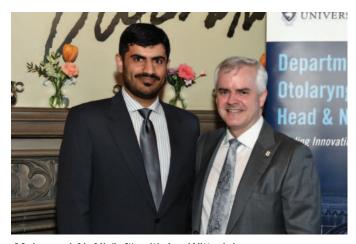
Congratulations to Dr. Christopher Noel for receiving several research awards: The HNCA/AHNS International Outreach Cancer Prevention Award, the 2018 Postgraduate Research Award, the Hold'em for Life Clinician Scientist Award, and Ontario Graduate Scholarship.

2018-19 Graduation Ceremony June 11, 2019 at Gallery Grill, Hart House Graduating Residents



L to R: Yael Bensoussan, Patrick Scheffler, Xiao Zhao, Paolo Campisi, Yelda Jozaghi, Weibo Hao

Graduating Fellows



Mohamed Al-Ali (left) with lan Witterick



L to R: Khalid Alzaabi and spouse with Paul Douglas-Jones and his spouse, John Rutka on the right



L to R: Jon Irish, Dale Brown, Felipe Cardemil, Kevin Higgins, Tony Eskander



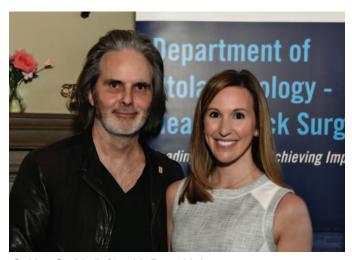
Jon Irish (left) with Catriona Douglas



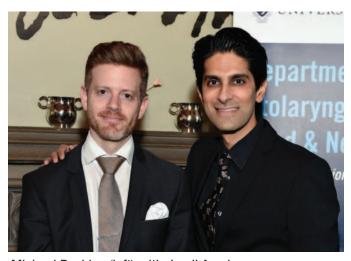
L to R: Jon Irish, Marco Ferrari, Ralph Gilbert



L to R: Trung Le, Joe Chen, Maya Kuroiwa Rivero, Vincent Lin



Oakley Smith (left) with Rosa Lipin



Michael Roskies (left) with Jamil Asaria



L to R: Jon Irish, Axel Sahovaler, Kevin Higgins, Ralph Gilbert, Tony Eskander



L to R: Nik Wolter, Patricia Purcell (continuing), Sunil Sharma, Sharon Cushing



L to R: Jon Irish, Carissa Thomas, Ralph Gilbert, Dale Brown



L to R: Eric Monteiro, Peter Tomazic, Ian Witterick



Continuing Professional Development

Dr. Yvonne Chan (Director)

Members: Paolo Campisi, Al Vescan, Ian Witterick. Our department has established a reputation of delivering world-class continuing education programs under the University of Toronto brand for community and academic otolaryngologists. We are indebted to our entire faculty who volunteer their time and energy to organize successful courses that are attended by otolaryngologists and other health care professionals from around the world. I would like to thank Dr. Ian Witterick for organizing our

Grand Rounds which include presentations from visiting professors, guest lecturers, community & academic faculty, fellows, and residents. Our faculty continues to benefit from the capability to watch the Grand Rounds live from any internet connection when they are not able to attend in person. The following outlines the large number of courses organized under the auspices of our department as well as the many visiting professors to the department.

Courses Organized

DATE(S)	COURSE TITLE (ORGANIZERS)	GUEST FACULTY/INVITED SPEAKERS
February 9, 2019	17th Annual Otolaryngology-Head & Neck Surgery Update (Drs. Yvonne Chan & Paolo Campisi)	Paul Keith, McMaster University Suvendrini Lena, UofT (Psychiatry) Michael Ruckenstein, University of Pennsylvania Leigh Sowerby, Western University Melanie Tapson, UofT (SLP) Darren Tse, University of Ottawa
February 8, 2019	Reducing the Risk in Head & Neck: Lessons Learned from the CMPA Files (Dr. Yvonne Chan)	Tino D. Piscione, CMPA
November 17-18, 2018	Current Concepts in Head and Neck Surgery (University of Toronto, The University of Texas MD Anderson Cancer Center, and Memorial Sloan-Kettering Cancer Center)	MD Anderson Neil Gross, Ehab Hana, Amy Hassel, Stephen Lai, Jeff Myers Memorial Sloan-Kettering Cancer Center Marc Cohen, Luc Morris, Jatin Shah, Ashok Shaha, Richard Wong

Invited Professors/Invited Guests



June 21, 2019

Anil D'Cruz
President Elect Union International
Cancer Control (UICC) Geneva
Director Oncology Apollo Hospitals
Ex -Director & Chief Head Neck Services
Tata Memorial Hospital Mumbai
(Gullane/O'Neil Lecture)

TITLE OF PRESENTATION

Attempts at Addressing the Head Neck

Conundrum



June 14, 2019 Rick Chandra

Chief, Rhinology and Skull Base Surgery Professor of Otolaryngology-Head & Neck Surgery Endowed Directorship for Leadership and Education

Vanderbilt University Medical Center

Update in Aspirin Exacerbated Respiratory Disease: What the Otolaryngologist Should Know



June 6-7, 2019 William Lydiatt

Chair, Department of Surgery, Nebraska
Methodist Hospital
Clinical Professor of Surgery, University of
Nebraska
Lecturer, Department of Biology, University
of Nebraska, Omaha
Clinical Professor, Department of Surgery
at Creighton University School of
Medicine,
Head and Neck Oncology Faculty, Naval
Medical Center Portsmouth, Department

Prevention of Depression During Treatment for Head and Neck Cancer: Strategies and Rationale

Head and Neck Cancer Staging: Innovations, Disruptions and Future Potential



May 31, 2010 Avery Nathans

(Grimm Lecture)

Surgeon-in-Chief, Sunnybrook Health Sciences Centre Professor of Surgery, University of Toronto Medical Director, Trauma Quality Programs, American College of Surgeons

of Otolaryngology, Portsmouth, Virginia

Surgical Quality Improvement: Putting NSQIP into Practice



May 16-17, 2019 Gerard Doherty

Moseley Professor of Surgery, Harvard Medical School Surgeon-in-Chief, Brigham and Women's Hospital & Dana-Farber Cancer Institute Crowley Family Distinguished Chair of Surgery, Brigham Health (Binstock Lecture)

TITLE OF PRESENTATION

Differentiated Thyroid Cancer

Dysfunctional Momentum and Master Clinicians



May 10, 2019 Michael Cunningham

Otolaryngologist-in-Chief, Department of Otolaryngology and Communication Enhancement, Boston Children's Hospital Professor of Otolaryngology, Harvard Medical School.

(Percy Ireland Oration)

Juvenile Nasopharyngeal Angiofibroma: Etiologic Conundrum, Surgical Challenge and Recidivism Risk



April 25-26, 2019 Daniel Nuss

George D. Lyons Professor and Chairman Skull Base Surgery, Complex Head and Neck Oncology LSU Department of Otolaryngology-Head and Neck Surgery Past President, North American Skull Base Society (Connery Lecture) Infratemporal Fossa Surgery: Facial Nerve and Reconstructive Considerations

Disaster Preparedness for Physicians and other Human Beings: Reflections on Surgeons, Teachers, Hospitals and Systems in Crisis



April 11-12, 2019 James Rocco

Professor and Chair, Department of
Otolaryngology — Head and Neck Surgery
The Ohio State University Wexner
Medical Center
The Mary E. and John W. Alford
Research Chair in Head and Neck
Cancer
Director, Head and Neck Disease Specific
Research Group

(Head & Neck Foundation Lecture)

Bench to Bedside: Intratumor Heterogeneity in HNSCC

HPV Related OPSCC: A Riddle, Wrapped in a Mystery, Inside an Enigma



March 29, 2019
Carol Bradford
Executive Vice Dean for Academic
Affairs, Medical School
Chief Academic Officer, Michigan
Medicine
Professor, Otolaryngology-Head & Neck
Surgery



Precision Medicine Tumor Board for Head and Neck Cancer: The Future



March 22, 2019
Chris Gourin
Professor, Department of OtolaryngologyHead and Neck Surgery
Head and Neck Surgical Oncology
Johns Hopkins University
(Bulhoes Lecture)

Improving Value in Head and Neck Cancer Care



March 1, 2019
Brian Westerberg
Head, Division of Otolaryngology-Head
and Neck Surgery
PHC Director, Branch for International
Surgical Care
Clinical Professor, Department of
Surgery, UBC Otology & Neurotology B.C.
Rotary Hearing and Balance Centre
The University of British Columbia
(Joseph Wong/Smile China Lecture)

"Days in May" - Lessons Learned from Other Leaders



February 22, 2019
Brent Senior
Nat and Sheila Harris Distinguished
Professor of Otolaryngology
Professor of Neurosurgery
Chief, Division of Rhinology, Allergy, and
Endoscopic Skull Base Surgery
University of North Carolina at Chapel Hill

Complications of FESS and Their Management

February 8, 2019 Anne Marie Tharpe Professor and Chair, Department of Hearing & Speech Sciences Professor, Department of Otolaryngology Vanderbilt University School of Medicine Nashville, Tennessee (Krista Riko Lecture)

TITLE OF PRESENTATION

Unilateral Hearing Loss in Children: What's the Problem?



February 1, 2019
Devin McCaslin
Associate Professor, Director
Vestibular and Balance Laboratory
Mayo Clinic
(Tomlinson Lecture)

Assessment and Management of Persistent Postural-Perceptual Dizziness (PPPD)



January 18, 2019
Andrew Shuman
Assistant Professor
Department of Otolaryngology - Head
and Neck Surgery
University of Michigan Medical School

Moral Dimensions of Surgical Resectability



January 11, 2019
Jonathan Wasserman
Assistant Professor
Department of Paediatrics
University of Toronto
The Hospital for Sick Children

Pediatric Thyroid Carcinoma: Emerging From The Dark - How Clinical And Molecular Data Are Defining A Unique Entity



November 30, 2018
Gigi Osler
CMA President
Assistant Professor
Department of Otolaryngology-Head and
Neck Surgery
University of Manitoba

How Increasing Equity and Diversity in Medicine Can Lead to Better Health



November 16, 2018 Stephen Lai Professor Department of Head and Neck Surgery, Division of Surgery The University of Texas MD Anderson Cancer Center

TITLE OF PRESENTATION

Investigating Normal Tissue Response to Radiation Therapy with DCE-MRI: Evaluating Mandibular Osteoradionecrosis

We are committed to CPD and faculty development courses for community and academic otolaryngologists, family practitioners and allied health care professionals. We will continue to look for new opportunities to provide leading edge CPD and innovative ways to obtain different categories of

maintenance of certification credits. I am indebted to our dedicated faculty for their innovation and hard work in providing such excellent CPD programming and I would also like to thank Audrea Martin, our Business Officer, for her continued support of our CPD portfolio.



Research Committee

Dr. Robert V. Harrison (Chair)

Members: Doug Chepeha, Mike Daly, Andrew Dimitrijevic, Antoine Eskander, David Goldstein, Karen Gordon, Trung Le, John Lee, Vincent Lin, Jun Lin, Eric Monteiro, Evan Propst, Al Vescan, Nikolaus Wolter, Paolo Campisi [ex-officio], Ian Witterick [exofficio].

Our department follows the Faculty of Medicine mission: To prepare future health leaders, contribute to our communities, and improve the health of individuals and populations through discovery, application and communication of knowledge. Our departmental research activities are closely linked to the "discovery, application and communication of knowledge".

Within our specialty we have a very diverse range of research teams that span almost all aspects of otolaryngology-head & neck surgery. This is represented in the "research nodes map" of our department shown below. Clinically related research is carried out by most of our full time staff, often in association with other healthcare professionals and/or basic scientists. Our full-time scientists interact extensively with our clinicians in translational studies, and are also involved in basic "discovery science" relating to Otolaryngology-HNS.

The Departmental Research Committee is structured to represent the research activities at each of our core teaching hospitals, and also to represent both clinical and basic research. Over the past year, Karen Gordon, Evan Propst and Nik Wolter represented SickKids. Sunnybrook Health Sciences Centre was represented by Alain Dabdoub, Trung Le,

Vince Lin, Tony Eskander and Andrew Dimitrijevic. For the University Health Network/PMH, Doug Chepeha and Mike Daly were on our committee. Al Vescan has represented Sinai Health System research, and Jun Lin and John Lee reported on research at St. Mike's. This year we have had the pleasure of Peter Dixon as our resident representative. The Research Committee also included ex-officio members Ian Witterick and Paolo Campisi.

We have held well-attended and purposeful meetings over the year. Some of our discussion topics have included:

- Meeting the goals of our departmental strategic plan.
- Research funding challenges, particularly with peer-reviewed federal agencies such as CIHR and NSERC.
- Important issues related to publication of papers, including open access publication (who pays?) and avoidance of FAKE papers in on-line predatory journals.
- New methods for dissemination of new knowledge including use of online repositories such as ResearchGate, Scopus and Google Scholar.
- Journal impact factors; we have circulated impact factor lists for most journals related to our specialty.
- Individual metrics of academic performance, i.e.

citation numbers and h-index.

• The contents of a "research curriculum" during the PGY2 research block.

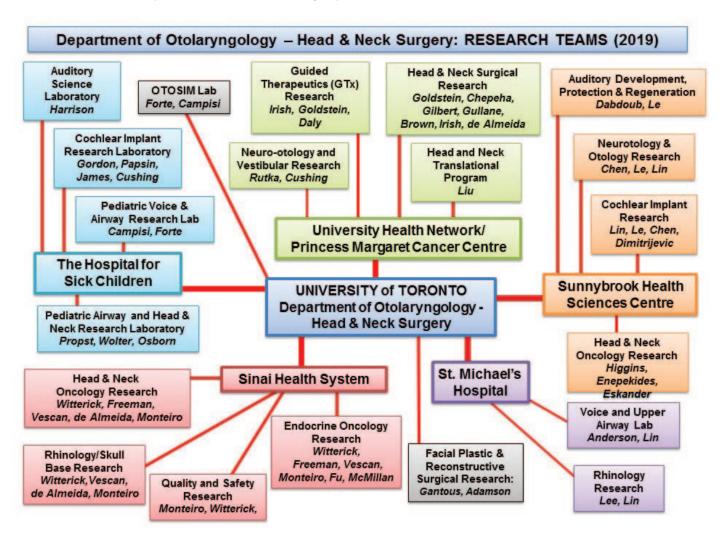
Early in the year (March 27, 2019) we organized an excellent Research Evening. This year we held this event in the new research and learning tower at SickKids (PGCRL), and highlighted some of the serious lab based research in our department. Similarly excellent was the Annual Academic (Percy Ireland) day held in May 2019. Here the focus of attention is on work done by clinical trainees during residency or fellowship, as well as graduate students in basic science labs. The standard of research presentations this year was excellent.

An important initiative this year was the staging of a research curriculum for PGY2 residents in their research rotation. Many thanks to those who eagerly

volunteered to teach these sessions, and particularly to Paolo Campisi for organizing the curriculum.

Our department continues to improve research productivity in terms of the usual metrics of grant funding and peer reviewed publications. We also note the high demand on our faculty to make presentations at national and international clinical and research meetings. By all measures of research productivity, we continue to grow and to fulfill the mission of the Faculty of Medicine, and our own Strategic Plan. Well done to all those who have contributed to our academic progress.

Finally, I am pleased to welcome our newly appointed Vice-Chair (Research), Alain Dabdoub. He will enthusiastically take over my role. I wish him success in the years ahead in maintaining the high academic standards that we have in the department.





Department Appointments Committee

Dr. Kevin Higgins (Chair)

Members: Jennifer Anderson, Paolo Campisi, Al Chiodo, Alain Dabdoub, Danny Enepekides, Ralph Gilbert, Robert V. Harrison, Vicky Papaioannou, Blake Papsin, Ian Witterick *[ex-officio]*.

The DAC are senior members of the department who provide advice to the chair and hospital chiefs regarding all initial status only, clinical adjunct, parttime and full-time appointments, as well as annual reappointments. Two performance reviews of all full-time academic appointments are conducted, first at 18 months then at the end of the probationary period that can be anytime between 3 and 5 years.

Approval of Full Faculty Probationary Term Review

On May 7, 2019, the DAC was unanimous in its recommendation to the chair that Dr. Trung Le be recommended to pass his 3–5 year probationary review Dr. Le successfully passed his review and was recommended to transfer into a continuing university faculty appointment.

Mid-Term Probationary Review

The DAC conducts a mid-term probationary review at 18 months to ensure that the faculty member is on track to a successful full review at the end of their 3-5 year probation. The following three faculty members each successfully passed their mid-term reviews and each had been appointed as Otolaryngology-Head & Neck Surgeon Investigator.

Dr. Tony Eskander Dr. Jun Lin Dr. Nik Wolter

Approval and Recommendation of New Clinical Adjunct Faculty Appointments

Brenda Kou at the rank of Lecturer effective January 1, 2019

Gavin le Nobel at the rank of Lecturer effective January 1, 2019

Annesse Lee at the rank of Lecturer effective January 1, 2019

Lorna Minz at the rank of Lecturer effective January 1, 2019

Sharon Morong at the rank of Lecturer effective January 1, 2019

Lukas Kus at the rank of Lecturer effective July 1 2019

Michael Roskies at the rank of Lecturer effective July 1, 2019

Jonathan Yip at the rank of Lecturer effective July 1, 2019

Approval and Recommendation of New Status Only Faculty Appointments

Curtis Wetmore at the rank of Lecturer effective January 1, 2019

Michael Daly at the rank of Assistant Professor effective July 1, 2019

David Fu at the rank of Assistant Professor effective July 1 2019

Vitaly Kisilevsky at the rank of Lecturer effective July 1, 2019

Thomas Looi at the rank of Assistant Professor effective July 1, 2019

Reappointment review of all Adjunct, Part Time and Status Only Appointments

The activity reports of all clinical adjunct and part time faculty members were reviewed at the May 7, 2019 meeting. They were all approved for reappointment for another year and 1 clinical adjunct faculty declined re-appointment due to his retirement from his clinical practice.



Department Promotions Committee

Dr. Robert V. Harrison (Chair)

Members: Paolo Campisi, Doug Chepeha, Joseph Chen, Danny Enepekides, Ralph Gilbert, Jonathan Irish, Blake Papsin, Ian Witterick [ex-officio].

Promotion through the ranks is an important indicator of academic achievement at any academic institution. It is a mark of clinical and research excellence within our academic community, and we expect that staff recruited into our department will work toward university promotion.

In the Faculty of Medicine the standards and criteria for promotion are high. For clinicians in our department, much credit is given for being an excellent role model and showing initiatives to improve clinical care (i.e. creative professional activity; CPA). For all our staff, and particularly our scientists and clinician-scientists, research is essential. High quality peer-reviewed publications are expected, and scientists are also expected to be successful in obtaining research funding. Contributions to teaching and education are also important, at all levels: undergraduate, graduate, postgraduate, continuing medical education.

The Departmental Promotions Committee membership reflects the full range of clinical subspecialties in otolaryngology-head & neck surgery, as well as the special interests of our teaching hospitals. Our committee is involved in university promotion from the rank of Lecturer to Assistant Professor (junior promotion) and to Associate and Full Professor levels (senior promotion).

Our committee is tasked to assess the academic progress of staff, and to recommend promotion of candidates. The final decisions about promotion are NOT made at the departmental level. This is the task of the Faculty of Medicine Decanal Committee. Our committee assists potential candidates to prepare documentation, and coordinates external and internal peer assessments. I would like to thank all members of our committee for their careful and diligent work over the past year.

In the past year we congratulate four of our colleagues who have achieved well-deserved promotion. Dr. Ambrose Lee is promoted to Assistant Professor, and Drs. Yvonne Chan, John de Almeida and John Lee have been promoted to Associate Professor. Well done indeed!

Even though our department is dispersed throughout various teaching hospitals and research institutes, professorial rank is one of the more tangible reminders that we are part of a university family and that we have a common academic mission and more importantly, a shared collegiality.



Budget Advisory Committee

Dr. I. Witterick (Chair)

Members: Jennifer Anderson, Paolo Campisi, Danny Enepekides, Ralph Gilbert, Robert V. Harrison, Blake Papsin.

The Budget Advisory Committee aids the Chair in appropriately monitoring and structuring the financial affairs of the department, particularly related to academic stipends. We strive to support new full-time faculty members at an enhanced level to create an environment that allows them to be academically productive. Faculty members understand as we continue to have challenges with our budget. We have supported our education and research missions through philanthropy including endowed chairs and fund-raising dinners, CPD revenues and we have been frugal with our budget expenditures. I want to thank all members of the Budget Advisory Committee for their help and advice. A special note of thanks to Ms. Audrea Martin, our Business Officer, who continues to manage our finances in a commendable way.



Community Academic Faculty

Dr. Yvonne Chan (Lead)

Members: Ashlin Alexander, Sumeet Anand, Jamil Asaria, Jason Atlas, Sarfaraz Banglawala, D. Glenn Beard, Greg Belchetz, Matthew Brace, Michael Brandt, Deron Brown, Robert Burke, Roman Chaban, Michael Chang, Nitin Chauhan, Al Chiodo, Janet Chung, Kris Conrad, Dustin Dalgorf, Taryn Davids, David Ellis, William El Masri, Vinay Fernandes, David Finkelstein, Rick Fox, Andres Gantous, Artur Gevorgyan, David Goldfarb, Everton Gooden, Aman Grewal, David Hacker, Jerry Halik, Basil Hassouneh, Robert Hekkenberg, Bradley Hubbard, Theresa Holler, Robert Josephson, Thileeban Kandasamy, Anil Katyal, William Kaul, Jack Kolenda, Mark Korman, Brenda Kou, Gavin le Nobel, Ambrose Lee, Annesse Lee, Randy Leung, Bosco Lui, Berge Marcarian, Jeffrey Mendelsohn, Lorna Minz, Robert Mounsey, Jerry Naiberg, Karim Nazarali, Raymond Ng, Alfred Oh, Alexander Osborn, Modupe Oyewumi, Xerxes Punthakee, Richard Rival, Raewyn Seaberg, Lorne Segall, Manish Shah, Jack Shahin, Tulika Shinghal, Praby Singh, Oakley Smith, Philip Solomon, Victor Toran, Adam Toth, Sandra Vojvodich, Jeffrey Werger, Adrienne Wong.

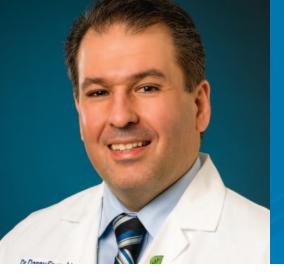
The community academic faculty continues to play an active and significant role in all levels of education and research within the department. At the undergraduate level, clinical teachers at all the academies are actively involved in the Clinical skills 1 and 2 as well as clerkship teaching. Medical students are also being supervised by our community faculty during clinical observerships, both preclerkship and clerkship. At the post-graduate education level, trainees continue to rotate through Michael Garron Hospital, North York General

Hospital, Trillium Health Partners, and William Osler Health System. PGY4 residents have a 1-month rotation in facial plastic surgery. In addition to residency training, world renowned fellowships in facial plastic surgery are offered by Drs. Jamil Asaria and Oakley Smith.

Our community academic faculty are involved in continuing education & professional development of practicing otolaryngologists. We were involved in the planning and sponsorship of the successful 17th Annual Otolaryngology Update in February 2019 at the Li Ka Shing Knowledge Institute. Again, it was extremely well attended and highly rated by otolaryngologists across Ontario.

The Distinguished Alumnus Award was presented at the Percy Ireland Dinner in May 2018. This award is presented to an alumnus of the University of Toronto's otolaryngology – head & neck surgery residency program whose professional and ethical standards have been of the highest order. This year the award was presented to Dr. John Rutka.

As our membership grows, we will continue to make a strong contribution to both clinical and basic science research and all levels of education through publications, invited lectures, and visiting professorships. I would like to welcome our newest faculty including: Drs. Matthew Brace, Brenda Kou, Gavin le Nobel, Annesse Lee, Lorna Minz, Sharon Morong, and Alex Osborn.



Quality and Safety Committee

Dr. Danny Enepekides (Chair)

Members: Jennifer Anderson, Yvonne Chan, Doug Chepeha, Al Chiodo, John de Almeida, Jonathan Irish, Adrian James, Vincent Lin, Eric Monteiro, Manish Shah, Praby Singh, Ian Witterick.

The Quality and Safety Committee enjoyed another productive year. We continue to work hard to achieve our strategic plan in quality and safety.

Last year we held our first Quality and Safety Symposium which was a wonderful success. We continue to build on that success with our Quality and Safety Speaker Series. This year Dr. Avery Nathens, Chief of Surgery, Sunnybrook Health Sciences Centre, was our honoured speaker. His talk 'Surgical Quality Improvement: Putting NSQIP into Practice' was a wonderful illustration of the power of institutional outcomes data and the potential impact of quality and safety initiatives. It was a fantastic end to the academic year and sets the stage for next year's work.

The committee is very excited to welcome Dr. Louise Davies from the Dartmouth Institute for Health Policy and Clinical Practice as next year's Quality and Safety Speaker. Dr. Davies is an expert in the field and we look forward to her visit.

Last year our PGY1 residents completed a guideline on the effective conduct of morbidity and mortality rounds. The OM3 model was recommended and has been adopted by several of our hospital departments. This year, with mentorship from Dr. Eric Monteiro, the PGY1 residents created a departmental ultrasound reporting template that was approved by

the committee and will soon be made available to our faculty. This template will help standardize ultrasound reporting within our department and will enhance the educational experience of our residents and fellows. We look forward to next year's PGY1 quality and safety project.

Our department continued to provide leadership locally, regionally, nationally, and internationally in quality and safety. Dr. Eric Monteiro conducted a workshop entitled 'A Primer for Quality Improvement Initiative Projects' at this year's Faculty Development Day. This was a resounding success. Dr. Ian Witterick chaired the Quality and Safety Committee meeting at this year's CSO meeting in Edmonton, Alberta. Several of our committee members were in attendance and our department continued to lead efforts to establish national quality and safety collaborative initiatives. Dr. Danny Enepekides has been involved in guideline development as co-chair of the AHNS Salivary Gland Section.

I would like to thank the dedicated and hardworking members of the committee for their ongoing commitment to this important work.



departmental divisions reports

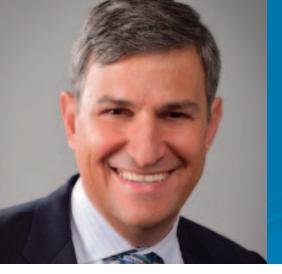


Division of Audiology

Ms. Vicky Papaioannou (Head)

Members: Hailey Ainlay, Julija Adamonis, Lora Carinci, Susan Druker, Carolyn Falls, Karen Gordon, Gina Goulding, Emma Leblanc, Laurie MacDonald, David Shipp, Kari Smilsky, Ian Syrett, Curtis Wetmore, Ken Williams, Jill Witte.

The Audiology Division is composed of 16 audiologists dedicated to research, undergraduate, postgraduate, and continuing professional education within the department. Members of the division under the leadership of Susan Druker provided audiology teaching as part of the Otolaryngology-HNS curriculum for undergraduate medical students. The core lecture series for the Otolaryngology-HNS residents took place in September 2018. Kids2Hear, a primary preventative health initiative whereby medical students from the University of Toronto provide school-based hearing and otoscopy screening for elementary school children, enjoyed yet another successful year. Medical students and many members of our department including audiologists, fellows, and residents participated in the screening at five different Toronto elementary schools. The division was very pleased to have Ann Marie Tharpe from Vanderbilt University as this year's Krista Riko lecturer. She presented on the topic of unilateral hearing loss in children on February 8, 2019.



Division of Facial Plastic and Reconstructive Surgery

Dr. Andres Gantous (Head)

Members: Peter Adamson, Ashlin Alexander, Jamil Asaria, Matthew Brace, Michael Brandt, Nitin Chauhan, Douglas Chepeha, Kris Conrad, David Ellis, Danny Enepekides, Ralph Gilbert, David Goldstein, Kevin Higgins, Robert Mounsey, Xerxes Punthakee, Richard Rival, Oakley Smith, Phil Solomon.

I am very pleased to present my first annual report on the activities of the Division of Facial Plastic and Reconstructive Surgery for the 2018–2019 academic year. I have to start by saying that it has been an honour and a humbling experience to take over as head of the division from Dr. Peter Adamson who not only was instrumental in the creation of the division but lead the division with enthusiasm and professionalism since its inception. I am very glad, and relieved, that he is still a contributing and guiding force in our subspecialty.

We currently have 19 members in the division as above.

I would like to thank all the members of the division for their support and contributions throughout the past year. It is essential to thank the support staff that has made this possible. Our own office staff work tirelessly to make our professional activities possible. The departmental administrative staff have been essential in helping us. I would like to acknowledge and thank Andrea Donovan, Sonia Valente and Audrea Martin. None of this is possible without the continuing support and leadership of our chairman, Professor Ian Witterick, and Professor Paolo Campisi, Director of Postgraduate Medical Education.

Postgraduate Teaching and Mentoring

The Soft Tissue Dissection course held on October 22, 2018 was condensed into one course this year. The course was co-directed by Drs. Brandt and Alexander and the new format they introduced was well received by the residents who felt it was more clinically applicable and of great help with their surgical skills.

Drs. Asaria and Alexander directed and hosted the University of Toronto Resident Injectables Course on November 12, 2018. As always, it was well received and appreciated by the residents that attended.

The Rhinoplasty Dissection course was held on April 15, 2019 and was co-directed this year by Drs. Gantous and Smith. We had enthusiastic participation from many faculty members including Drs. Asaria, Brace, Brandt, Conrad, Rival and Solomon.

The PGY4 Facial Plastic Surgery elective rotations were completed with the participation of Drs. Alexander, Asaria, Brandt, Conrad, Gantous, Smith, Solomon and Rival.

The core-teaching curriculum for FPRS was presented in the fall of 2018 and has been developed and revised by Dr. Asaria and Dr. Alexander.

Dr. Brace supervised graduate students at the University of Guelph and has been working on competency by design objectives for a facial plastic surgery rotation for McMaster University residents. He also gave practice oral examinations for Mac and Dalhousie residents.

The mock oral examinations for FPRS were held on March 6, 2019. All the PGY5 residents participated and I wish to thank Drs. Brandt, Rival and Solomon as well as clinical fellow, Dr. Rosa Lipin with their invaluable assistance.

Dr. Asaria hosted a Facial Plastic Surgery Journal Club on June 18, 2019.

Drs. Asaria and Smith participated in the American Academy of Facial Plastic and Reconstructive Surgery (AAFPRS) fellowship program. This year's fellows were Dr. Michael Roskies supervised by Dr. Asaria and Dr. Rosa Lipin supervised by Dr. Smith. Two new University of Toronto fellowships have been approved, Drs. Solomon and Rival will be cochairing one and Dr. Gantous the other one.

Many members of our division, including Drs. Asaria, Conrad, Gantous, Rival, Smith and Solomon, have hosted national and international medical students, residents and observers during the year. This is greatly appreciated by our visitors and engenders tremendous good will towards the division, department and the University of Toronto.

Faculty Member Activities

The division meeting was held on February 13, 2019 at Jacobs & Co. Dr. Peter Adamson was duly feted and thanked for his leadership during the past ten years. It was the wish and hope of our entire faculty that he transitions easily to this new stage of his professional life, but still remain a key mentor and guide for the rest of us.

It is pleasing to say that most of the division faculty have remained academically active and have contributed enormously with presentations at local, national and international meetings as well as continuing to publish in the subspecialty's top journals, write book chapters, develop teaching videos and participate in editorial boards for several journals during the past academic year.

Dr. Adamson had a total of 37 presentations in international and national meetings and courses; he is a coveted invited speaker and visiting professor. He

has remained active with senior leadership positions in the International Editorial Board for JAMA FPS, the AAFPRS Mentor 4 Success program, the American Board of Facial Plastic and Reconstructive Surgery (ABFPRS), the European Board of Facial Plastic and Reconstructive Surgery (EBFPRS) and he is President and Senior Examiner of the International Board of Facial Plastic and Reconstructive Surgery (IBFPRS). Dr. Asaria also had a busy year with several local and 15 international presentations. He is the current Canadian Region Director, Board of Directors at the AAFPRS. Dr. Alexander presented at the EAFPS meeting and has been active as a facial injectables trainer. Dr. Brandt has continued to be an active reviewer for several journals and he has continued to represent OHNS at the OMA and the CSO-HNS. Dr. Rival is president of the Canadian Academy of Facial Plastic and Reconstructive Surgery (CAFPRS). Dr. Gantous was also quite busy this past year with 28 presentations at international meetings and courses, he was invited speaker and visiting professor at two of these meetings and participated in a live surgery presentation in Italy. He remains on the board of the CAFPRS and the International Federation of Facial Plastic and Reconstructive Surgery Societies (IFPRSS), he is still active in AAFPRS as the Canadian Region Credential Committee representative.

Humanitarian Activities

Dr. Brian Westerberg was the Joseph K.H. Wong Lecturer on March 1, 2019 giving a talk on Global Surgical Care: Surgical Solutions for Underserviced Areas.

Dr. Adamson was the Chief de Mission for missions of the Face the FutureTM Foundation. The missions were to Kathmandu, Nepal in January 2019, Kigali, Rwanda in February 2019 and Ulyanovsk, Russia in April 2019.

Drs. Asaria and Alexander volunteered their time and expertise to The India Project in Jaipur and Talasari, India in January 2019.

Honours and Awards

Dr. Adamson was the Teacher of Honour at the 25th Course in Modern Rhinoplasty Techniques held October 2018 at the Academic Medical Centre at the University of Amsterdam.

Dr. Rosa Lipin received the 2019 Kris Conrad Merit Award in Facial Plastic Surgery.

Future Directions

We will strive to improve and refine the teaching of facial plastic surgery to our students, residents and fellows. With the creation of two new University of Toronto facial plastic and reconstructive surgery fellowship positions we hope to attract, teach and help develop Canadian and international trainees.

Our division has the honour and responsibility of representing our department and university nationally and internationally and will continue to strive to do so academically, professionally and humanely.



Division of Head and Neck Oncology and Reconstructive Surgery

Dr. Jonathan Irish (Head)

Members: Dale Brown, Douglas Chepeha, John de Almeida, Danny Enepekides, Antoine Eskander, Jeremy Freeman, Ralph Gilbert, David Goldstein, Patrick Gullane, Kevin Higgins, Eric Monteiro, Al Vescan, Ian Witterick.

This year has been another significant year for the division.

There is a continued reinvigoration of the research mission of the Division. Dr. John de Almeida is the division lead for the research portfolio and Dr. Tony Eskander is the site lead for Sunnybrook and is the Health Services Research lead, Dr. Eric Monteiro is the site lead for Sinai Health System and is the Safety and Quality Research lead, Dr. David Goldstein is the site lead for UHN and is the Outcomes Research lead. Dr. Doug Chepeha is the Clinical Trials lead and Dr. Al Vescan is the Skull Base research lead.

The division had strong visibility at this year's COSM and AHNS meetings in Austin, Texas. Some notable achievements include David Goldstein being the recipient of the Harris P. Mosher Thesis Award, given in recognition of the excellence of his thesis in clinical research on "Frailty as a Predictor of Outcomes in Patients Undergoing Major Surgery for Head and Neck Cancer: A Prospective Cohort Study". Carissa Thomas, one of the head and neck fellows, was awarded the Best Poster at the 2019 AHNS Annual Meeting in May for her poster entitled "Evaluation of Older Age and Frailty as Predictors of Post-Operative Decision Regret". David Goldstein received CIHR grant support as a co-investigator with Anna Sawka (Principal

Investigator) on active surveillance in early stage papillary thyroid cancer.

Dr. John de Almeida continues to lead clinical trials particularly in robotic research including the FIND trial, ORATOR-2 and is developing a clinical trial to avoid treatment of the contralateral neck in Oropharyngeal cancer using SPECT-guidance known as the SELECT Trial. Dr. Doug Chepeha along with Lillian Siu and Anna Spreafico is involved in window of opportunity trials in oral cavity cancers.

Other active projects in the division include ICG assessment of pharyngeal mucosal viability after laryngectomy/pharyngectomy (Higgins, Chepeha), development of a machine learning risk calculator for outcomes in head and neck cancer (de Almeida), development of a thyroid ultrasound synoptic report with risk stratification (Monteiro) and opioid prescription reduction.

Dr. Jon Irish continues to lead the Guided Therapeutics (GTx) program and with Ralph Gilbert has started a collaboration with the University of Brescia, Italy on 3-dimension scaffolding and stem cell regeneration for mandibular reconstruction. Dr. Marco Ferrari has been a fellow in the GTx laboratory initiating this international collaboration. This year's GTx Fellow, Dr. Catriona Douglas from Glasgow, has continued very productive work on nanoparticle imaging and ablation using theranostic nanoparticles in thyroid and oral cavity supported by the lab's Terry Fox Grant.

The division directs the American Head and Neck Society Advanced Training Fellowship under the leadership of Dr. Jeremy Freeman. This highly sought after fellowship program with six clinical rotations and one research position draws applicants from around the world. The program continues to be committed to the development and training the future leaders of our sub-specialty. Dr. Jeremy Freeman will continue as the Fellowship Director and a Fellowship Steering Committee chaired by Dr. Irish and comprised of Drs. Freeman, Chepeha and Higgins will provide governance and oversight to the program.

Dr. Felipe Cardemil was this year's Division Chief Fellow and with Drs. Higgins and Irish have created a renewed fellowship curriculum. This year there were 9 fellowship rounds which covered topics dictated by the AHNS Curriculum, 5 journal clubs and 3 special lectures. The division continues to attract pre-eminent visiting professors from all over the world for departmental and hospital-sponsored lectures which are presented elsewhere in this report.

This year the graduates of our fellowship program include Dr. Nazir Khan who will take up a staff position at Mount Sinai Hospital in New York, Dr. Carissa Thomas who will take up a staff position at the University of Alabama in Birmingham, Dr. Felipe Cardemil who will return to an oncology position in Chile and Dr. Catriona Douglas who will return to Glasgow. Dr. Douglas will continue her research collaboration as an International Scholar with the GTx Program.

From a clinical care perspective the 3 head and neck centres under the University of Toronto umbrella are large volume centres by any measure.

The Princess Margaret Cancer Centre at the University Health Network is the largest regional program in Canada with 7 full time head and neck surgical oncologists (Drs. Patrick Gullane, Ralph Gilbert, Dale Brown, Jonathan Irish, Douglas Chepeha, David Goldstein and John de Almeida). The Princess Margaret Head and Neck Program provides a complete spectrum of head and neck services including endocrine, microvascular surgery and minimally invasive approaches including robotic

surgery. The program has a strong multidisciplinary translational research program, with four core labs focused on different aspects of head and neck oncology. Dr. David Goldstein has become the endocrine site lead for the Princess Margaret Cancer Program. Dr. Ralph Gilbert stepped down as the quality lead for the program after many years of leadership and should be congratulated for his outstanding leadership.

The Sinai Health System (Mount Sinai Site) has had a strong collaborative program with Princess Margaret including multidisciplinary clinics, collaborative research and collaborative clinical care. The MSH continues to offer tertiary/quaternary head and neck services with an internationally acclaimed program in endocrine oncology initiated by Dr. Jeremy Freeman. Drs. Witterick, Vescan, de Almeida and Monteiro in collaboration with the UHN neurosurgery group provide a world-class program in MIS skull base surgery at Mt. Sinai and the Toronto Western Hospital. The Mt. Sinai site has an active and productive molecular oncology program in endocrine and oral cancer. Drs. Ian Witterick and Jeremy Freeman were on the organizing committee for the World Congress on Thyroid Cancer 3.5 in Rome, Italy which is one of the largest multidisciplinary meetings on thyroid cancer which attracted 750 delegates from 68 countries. There was a strong showing from the division with podium and poster presentations from faculty and former head and neck fellows. Mount Sinai Hospital announced "The Jeremy Freeman Chair in Surgical Oncology" for lifelong contributions to the hospital to be consummated on the 100th anniversary of the founding of the hospital. Congratulations to Jeremy on this honour.

The Sunnybrook/Odette site offers tertiary/quaternary head and neck oncology services including endocrine and microvascular surgery. This year the Sunnybrook group recruited Dr. Tony Eskander to a faculty position. The group at Sunnybrook also has a major presence in the Odette multidisciplinary Skin Malignancy Site Group. Dr. Kevin Higgins is the site chair for Head and Neck at Sunnybrook. The group continues to collaborate

with the UHN group and has an active research program in molecular imaging and outcomes research. Dr. Danny Enepekides is the Head of Surgical Oncology at the Odette Cancer Centre at Sunnybrook and also the Regional Head of Surgical Oncology for Toronto Central-North. Dr. Tony Eskander was awarded the *Geordie Fallis for Advocacy and Mentorship in Medical Education* at the Michael Garron Hospital which is a great honour.

The division had a very productive academic year. Our collaboration with Memorial Sloan Kettering Cancer Center in New York and the MD Anderson Cancer Center in Houston in presenting the annual Current Concepts Meeting continues and involves a broad spectrum of our faculty. The meeting was hosted by the University of Toronto in November of 2018 and was well attended by local and national registrants.

The division's faculty continue to be highly sought after speakers with presentations in the past year at a number of high profile head and neck meetings including AHNS, and numerous national and international societies and continues to thrive providing world-class clinical programs to the region and the province. The division through its academic programs continues to have a national and international presence providing leadership in advanced head and neck training and improving the care and survival for patients afflicted with head and neck malignancies.



Division of Rhinology

Dr. John Lee (Head)

Members: Saf Banglawala, Yvonne Chan, Al Chiodo, Dustin Dalgorf, John de Almeida, Ronald Fenton, Rick Fox, Artur Gevorgyan, Jack Kolenda, Randy Leung, Eric Monteiro, Al Vescan, Jeffrey Werger, Ian Witterick, Nik Wolter.

Once again, I want to thank all members of our division for their continued support of the educational and academic goals of our department (see Division Membership section for a list). Our division held two meetings this past year. The first was on November 8, 2018 at Mercatto restaurant where we set forth the main agenda of our upcoming year. I want to thank Drs. Dalgorf, Chan, Fox, Vescan and Wolter who were able to attend. We held our second informal meeting during our resident sinus dissection course on April 13, 2019 where we were able to distribute the Sniffin' Sticks olfactory testing kits to members of our division. Despite being separated by geographic location and practicing in separate hospitals throughout the Greater Toronto Area, I am continually impressed by the commitment of our faculty to build a cohesive and supportive division.

Education Activities

On April 13, 2019, members of our division ran the Annual Resident Sinus Surgery course at the Surgical Skills Centre MSH. This year, we had 9 faculty members participate in the course and almost 20 resident trainees. Led by Drs. John Lee and Allan Vescan, the course was incredibly well received by all participants and we are all impressed by the high quality of surgical skill our residents continue to demonstrate. I want to thank all the sponsors of the event and our faculty who continue to make this

one of the highlights of our residency training program.

Academic Activities

I am excited to report that we have finally received REB approval for our first multi-centred study on olfactory outcomes following endoscopic sinus surgery. Currently, there are 5 hospital sites which have received full approval and a number of other sites are under REB review. Recruitment has just started at St. Michael's Hospital and I am hopeful we will gain traction at many of our other sites soon. All of this could not have happened without the help of our PGY2 resident Dr. Terence Fu and our research coordinator at St. Michael's Hospital, Andrea Figol. I look forward to reporting on the progress of our recruitment this upcoming year.

This year marked the return of RhinoWorld, the largest meeting of rhinologists around the world which is held every 10 years. Held in Chicago IL, many of our division members (Drs. Chan, Lee, Witterick) served as invited faculty members and participated on many panels. Additionally, several of our members (Drs. Banglawala, Dalgorf, Fox, Werger) were attendees so there was great representation from our division. More impressively, PGY2 resident Dr. Daniel Lee and our former resident Dr. Jonathan Yip had 3 abstracts accepted for oral presentation at the American Rhinologic Society section of RhinoWorld.

Members of our division continue to be heavily involved in the North American Skull Base Society. At the annual meeting held in Orlando Florida, Drs. Witterick and Vescan participated as invited guest faculty. Additionally, Dr. Witterick completed his

term as President of the NASBS and Dr. Vescan was recently elected as Director-at-Large.

Finally, at the Canadian Society of Otolaryngology-Head & Neck Surgery (CSO-HNS) annual meeting in Edmonton AB, Dr. Chan became the incoming Chair of the Rhinology Working Group. With Dr. Witterick as the next president of the CSO-HNS, we anticipate a large division of rhinology presence at next year's annual meeting in Fredericton New Brunswick.

hospital reports



Hospital for Sick Children

Dr. Blake Papsin (Otolaryngologist-in-Chief)

This year has been very eventful for our hospital department. We began by instituting EPIC, our new electronic health record and adjusting to several changes in leadership within the Department of Surgery and our central administration. With the new Surgeon-in-Chief and the new CEO named and in place we are well positioned to provide exemplary otolaryngologic care to the children of Ontario. In addition, we are focused on our academic mission and our educational work. It continues to be a very exciting time to work at The Hospital for Sick Children.

Our hospital is undergoing significant geographic changes as well. The McMaster building which previously housed some of our researchers including Dr. Robert Harrison, is in the process of being demolished to make way for a new tower that will house clinicians and support staff. This is the first phase of "Project Horizon" which is a 10 to 15 year plan to completely rebuild the SickKids campus. Although there is some uncertainty expected with a change of this magnitude, otolaryngology's central role in the physical planning for the future has been assured.

Our administrative support has changed significantly in the past year with the addition of Vicky Papaioannou as our administrative lead. The university department knows well how dedicated and skillful she is at managing portfolios under her watch and her work within our hospital department has led to incredible efficiencies and a soaring morale amongst the physicians, our allied health professionals and clerical staff.

There is considerable contraction of available resource at our facility but despite this our department has maintained its productivity and has recently received additional funding to support cochlear implantation. The hospital is supportive in allowing us to manage this additional surgical

FACULTY

Paolo Campisi Sharon Cushing Karen Gordon Robert Harrison Adrian James Vicky Papaioannou Evan Propst Nikolaus Wolter Theresa Holler (P/T)

load. Our service recently purchased a new surgical navigation system to help develop our central skull base and rhinology program led by Dr. Nikolaus Wolter. Our head and neck research portfolio is growing steadily and will soon match and possibly even surpass our otologic research output. That said, the incredible work Drs. James and Cushing are doing will make that a hard task indeed.

Our department had a five-year review which was successful and complementary. Dr. Ellis Arjmand from Tulane University carried out the review and was strongly supportive of the work we are doing and in the direction we are heading. We are working with the administration to implement some of his suggestions and recommendations.

The remainder of the consultant staff continue to execute their academic and clinical activities successfully. In addition to providing superb clinical care, our departmental members have spoken across the province, country, and globe sharing best practices and the basic science research they have conducted here. Dr. Propst hosted the 9th Toronto

International Pediatric Endoscopic Airway and Esophageal Workshop and the 5th Toronto International Pediatric Open Airway Surgery Workshop at the Peter Gilgan Research and Learning Tower with students from far and wide. Drs. Campisi, James, Propst, Wolter and Cushing continue to teach widely and publish their work regularly. The work of Drs. Gordon and Harrison has also been prodigious over the past year and is detailed in their independent laboratory reports. We have trained 21 residents, 3 fellows, 14 elective students and hosted 18 national and international observers/scholars over the past year.

The Department of Otolaryngology-HNS at SickKids remains healthy and increasingly able to efficiently deliver high quality pediatric Otolaryngology-HNS care to Ontario's children in addition to fulfilling the academic mission of our university department. We are well positioned for another successful year.



Michael Garron Hospital

Dr. Al Chiodo (Otolaryngologist-in-Chief)

Hospital/Patient Programs:

Our department divides its surgical services between outpatient and inpatient surgical services spanning the subspecialties of pediatric ohns, otologic surgery, sinonasal surgery, facial plastic surgery and head and neck endocrine surgery. Not including the evening and weekend emergency visits, over 6,700 clinic visits were recorded for our department last year.

This fiscal year has seen the growth of the Thyroid Program under the direction of Dr. Antoine Eskander and the continued efforts of Drs. Chiodo, El Masri, Enepekides, Higgins and Hubbard. There were almost 300 QBP thyroidectomies in our last fiscal year. One major component of the program is the Thyroid Diagnostic Assessment Unit which is a multidisciplinary initiative joining together the specialties of otolaryngology-head and neck surgery and endocrinology. The Thyroid Diagnostic Unit allows us to provide patients with ultrasound needle biopsy services along with multi-disciplinary consultations.

The addition of Dr. Eskander's head and neck surgical expertise has allowed us to expand our abilities to deal with complex thyroid and salivary gland malignancies along with facial cutaneous malignancies. In our sinus surgery program, Drs. Chiodo, Hubbard and El Masri continue to offer image guided sinus surgery to our community. Dr. Hubbard's otology clinics along with our vestibular lab has allowed our department to offer patients in the MGH catchment area with otologic surgery services including mastoidectomy and middle ear

surgery. In our facial plastic surgery program, Dr. Smith's surgical focus on nasal reconstruction is providing expert patient services along with fellow and resident teaching.

Our inpatient volumes increased to 660 cases last year. The majority of inpatient volumes consisted of pediatric inpatient surgery and head and neck surgery.

FACULTY

William El Masri
Danny Enepekides (P/T)
Antoine Eskander
David Goldfarb (P/T)
Everton Gooden (P/T)
Kevin Higgins (P/T)
Bradley Hubbard
Thileep Kandasamy (P/T)
Manish Shah (P/T)
Oakley Smith
Jason Xu (P/T)

The bulk of the head and neck surgery arose from our Thyroid Program. Our day surgery volumes significantly increased to 940 cases last year.

The Michael Garron Hospital redevelopment is well underway. Moreover, the Ralph and Rose Chiodo Family has now donated a half million dollars toward the new Otolaryngology-Head & Neck Surgery Clinic and Multidisciplinary Thyroid Clinic which will be part of this new hospital redevelopment. We hope to have up to date clinic examination rooms, procedure rooms and a classroom/conference room area.

Education:

a. Undergraduate Medical Education

Dr. Hubbard has continued to be the assistant director of undergraduate medical education within our university department. He has had a key role in the new pre-clerkship undergraduate otolaryngology-head and neck surgery curriculum at the university. The hospital department is involved in courses at every level of undergraduate training including the Clerkship, and the Transition to Residency course. We have had 24 clerks rotate through the department. We have had numerous elective and selective students from the University of Toronto this year including 3 students from the Royal College of Surgeons, Dublin and 1 student from Yale/NUS Medical School. MGH/TEHN has consistently scored very high for rotation and teacher effectiveness for the clerkship.

b. Postgraduate Education

Our department has participated in the residency program since the early 1990's with regular rotations starting in 1999. Dr. Hubbard represents our department on the university department's residency program committee. We have consistently had high rotation effectiveness scores and teacher effectiveness scores year after year. Residents continue to have high surgical volumes as primary surgeons in pediatric, sinus, otologic, endocrine and facial plastic surgeries. The resident continues to maintain a wellattended resident clinic in community otolaryngology-head and neck surgery. Furthermore, we have about 35 family practice residents rotate through our department clinics on a yearly basis. Dr. Eskander received the Geordie Fallis Award for Advocacy and Mentorship in Medical Education. Drs. El Masri and Smith each received awards for 25 years of educational service at the Annual Resident Appreciation Dinner at MGH. Dr. Eskander was awarded the prestigious Faculty Teacher of the Year Award by the university department.

c. Fellowship and Continuing Medical Education

Our department has been actively involved in continuing education with our hospital's Department of Family Medicine's continuing medical education activities including the resident lecture series. Furthermore, Dr. Smith continues as a fellowship supervisor for the American Academy of Facial Plastic and Reconstructive Surgery with Dr. Rosa Lipin from Emory University graduating this year from the fellowship.

Research Initiatives:

Dr. Eskander has been involved with head and neck oncology research, health services research and quality improvement studies as a research scientist at the Institute for Clinical Evaluative Sciences and Sunnybrook Health Sciences Centre. He has successfully published 21 peer viewed publications, which include publications in the New England Journal of Medicine, Cancer and JAMA Surgery. He published 5 book chapters last year. Dr. Shereen Samargandy is completing a study on institutionspecific role for PTH monitoring post total and completion thyroidectomy for decreasing length of stay. Furthermore, Dr. Terence Fu has completed a study to optimize surgical tray efficiency as a means of reducing perioperative costs in otolaryngologyhead neck surgery.



North York General Hospital

Dr. Everton Gooden (Otolaryngologist-in-Chief)

North York General Hospital (NYGH) is one of Canada's leading community academic hospitals and offers a wide range of acute care, ambulatory and long-term care services at two sites: the general site (4001 Leslie Street) and Seniors' Health Centre (2 Buchan Court).

In March of 2019 the hospital officially closed all programs and clinical services from the Branson Ambulatory Care Centre.

We are in the early stages of a multi-year capital redevelopment project to expand and modernize the hospital and to build a new ambulatory care centre at the Leslie Street site.

Dr. Joshua Tepper was appointed President and CEO of NYGH in November 2018. Dr. Tepper is a family physician and prior to joining NYGH served as the President and Chief Executive Officer of Health Quality Ontario.

Dr. David Goldfarb retired from clinical practice in April 2019. A formal process to find a suitable replacement for Dr. Goldfarb will commence in the Spring of 2020. Dr. Jason Xu has joined our team providing additional clinical coverage in the absence of Dr. Goldfarb.

Drs. Gooden, Shah and Kandasamy continue to provide clinical care to patients in our ambulatory clinic and at NYGH. Drs. Michael Brandt and Vinay Fernandes continue to provide clinical care in our ambulatory clinic. Six full-time audiologists under the direction of Gina Oh provide audiology services. The clinic continues to participate in the

Infant Hearing Program in partnership with the City of Toronto Public Health.

Leadership

Dr. Gooden continues as a director of the

North York General Foundation Board of Governors and will continue to chair the Development Committee of the foundation board.

Dr. Manish Shah continues to provide leadership as our education coordinator and is a member of the Department of Otolaryngology Quality and Safety Committee.

Education

We continue to participate regularly in the undergraduate otolaryngology teaching (ICE and clerkship teaching) including the Transition to Clerkship Program. Our division continues to support elective students in the final year of the Family Medicine Resident Program in addition to supporting regular otolaryngology PGY2 residents.

Our teaching scores continue to rank amongst the best in the university with otolaryngology at NYGH ranking 2nd across the university.

FACULTY

David Goldfarb Thileep Kandasamy Manish Shah



Sinai Health System

Dr. lan Witterick (Otolaryngologist-in-Chief)

Mount Sinai Hospital (MSH), Joseph and Wolf Lebovic Complex is part of Sinai Health System (SHS), a 442-bed acute care academic health sciences centre. In 2015, Mount Sinai amalgamated with Bridgepoint Active Healthcare, and together with Circle of Care and the Lunenfeld Tanenbaum Research Institute, formed SHS. MSH is the first hospital in Canada to receive Magnet® status for nursing excellence and patient care issued by the American Nurses Credentialing Center. The Lunenfeld-Tanenbaum Research Institute, part of SHS, is a leading biomedical research centre, ranking amongst the top biomedical research institutes in the world. SHS has six flagship programs: Womens' and Infants' Health, Rehabilitation, Chronic Complex Disease Management, Healthy Aging and Geriatrics, Specialized Cancer Care and Emergency Medicine.

Sinai Health System is undergoing a transformative renovation over a multi-year period. The 7th floor is being redeveloped into 19 new operating room (OR) suites. When the new ORs open, the current location of the ORs on the 5th floor will be repurposed into a new 36-bed intensive care unit. Other major renovations include significant enlargement and renovation of the emergency department to increase capacity. All of these changes have come with some movement (and noise) for our clinics but in the end, we will have beautiful new state of the art facilities.

Our Faculty

The five full-time clinical faculty are Drs. Jerry Chapnik, Jeremy Freeman, Eric Monteiro, Allan Vescan and Ian Witterick. Part-time faculty include Drs. Robert Burke. Yvonne Chan, Kris Conrad, Taryn Davids, John de Almeida, Vinay Fernandes, Michael Roskies, Xerxes Punthakee and Manish Shah. There is an active basic science research program developing biomarkers for oral and thyroid cancers. Drs. Monteiro and Witterick continue to work in a multidisciplinary head and neck oncology clinic at Princess Margaret Cancer Centre.

FACULTY

Ashlin Alexander (P/T)
Yvonne Chan (P/T)
Jerry Chapnik
Nitin Chauhan (P/T)
Dustin Dalgorf (P/T)
John de Almeida (P/T)
Jeremy Freeman
Eric Monteiro
Xerxes Punthakee (P/T)
Ranju Ralhan
Manish Shah (P/T)
Allan Vescan

Drs. Taryn Davids and Manish Shah along with Speech Language Pathology conduct multidisciplinary voice clinics and Drs. Yvonne Chan and Iona Leung (Dentistry) continue to run regular Mouth Clinics for the management of patients with challenging mouth disorders. Multidisciplinary thyroid oncology rounds are held regularly.

Education

Sinai Health System remains a popular rotation for residents and fellows and a popular elective for medical students. We provide off-service rotations for PGY1 residents in other specialties including Anesthesia, Ophthalmology and Vision Sciences, Pathology and Radiation Oncology. Dr. Vescan leads the undergraduate medical education program for SHS and the university department, Dr. Monteiro leads postgraduate education for SHS and Dr. Freeman administers the head & neck oncology

fellowship program. Dr. Monteiro teaches at the University of Toronto's Centre for Quality Improvement and Patient Safety (CQIPS) and is the Associate Course Director for their Certificate Course. He is involved with the Royal College's ASPIRE2 program, a "train the trainer" program educating colleagues at other universities on how to incorporate patient safety and education into residency training.

Advancement

The SHS Foundation and a grateful family led by Mr. Arron Barberian organized the Annual Harry Barberian Memorial Dinner on May 6, 2019. The funds provide research scholarships to residents, fellows and faculty in the university department through a competitive peer–reviewed grant mechanism.

Mount Sinai Hospital announced "The Jeremy Freeman Chair in Surgical Oncology" for lifelong contributions to the hospital to be consummated on the 100th anniversary of the founding of the hospital.

Leadership

For the university department, Dr. Witterick is Chair, Dr. Vescan is Director of Undergraduate Medical Education, Dr. Yvonne Chan is Director of Continuing Professional Development and Lead for the Community Academic Faculty. Dr. Jeremy Freeman directs the Head & Neck Oncology Fellowship program. Dr. Chan has assumed the role of Chief of the Division of Otolaryngology-Head & Neck Surgery at Trillium Health Partners and is Chair of CPD/CME Chair for the CSO-HNS and was recently elected as Chair of the Rhinology Working Group. Dr. Witterick is Chair of the Medical Advisory Committee and took over as President of the CSO-HNS in June 2019.

I am most thankful to our hospital leadership, committed faculty, learners, nurses, administrative staff and allied health professionals who make our hospital so great and an amazing place to work.



Sunnybrook Health Sciences Centre

Dr. Danny Enepekides (Otolaryngologist-in-Chief)

The 2018-19 academic year has been a very active year for Sunnybrook Health Sciences Centre. The Centre remains Canada's largest trauma centre and the Odette Cancer Centre continues to be our region's second largest cancer centre. In December 2018, a new Complex Malignant Hematology Unit and Stem Cell Transplant Centre opened its doors marking the end of a long and challenging renovation project. In December 2018, the Humber River Hospital Church Street Reactivation Centre was launched and Sunnybrook received two of the three wards opened in the first phase. This will allow for significant improvement in the management of ALC patients and has already led to dramatic reductions in occupancy. Finally, in May the federal government awarded the Sunnybrook Research Institute \$49 million to launch the Industry Consortium for Image-Guided Therapy (ICIGT). This consortium is a network of 70 private and public sector partners with representation across North America and will advance machine learning and AI in medical imaging and guided therapeutics.

The year has also been very successful for the Department of Otolaryngology-Head & Neck Surgery. The department continues to grow in influence and impact locally, nationally and internationally providing highly focused care in complex otology — neuro-otology and head and neck oncology with equally focused and vibrant research programs.

Our faculty continue to provide leadership at multiple levels. Congratulations to Dr. Alain Dabdoub who was appointed to Vice Chair of

Research for the university department and takes over from Dr. Bob Harrison after his very successful tenure. We extend our thanks to Dr. Harrison for his tremendous leadership and service and look forward to Dr. Dabdoub's success. Dr. Vincent Lin serves as the OMA Otolaryngology section chair, the Choosing Wisely Canada Otolaryngology Lead, and the Non-Oncologic

FACULTY

Julija Adamonis
Joseph Chen
Alain Dabdoub
Andrew Dimitrijevic
Antoine Eskander
Everton Gooden (PT)
Kevin Higgins
Thileep Kandasamy (P/T)
Trung Le
Vincent Lin
David Shipp
Kari Smilsky
lan Syrett
Ken Williams

Otolaryngologic lead for Cancer Care Ontario. In addition, he was the Scientific Program Chair for this year's CSO-HNS annual meeting. Dr. Chen continues to be the provincial coordinator for the Ontario Cochlear Implant Program and the Health Technology Assessment (HTA) - Clinical Lead, Health Quality Ontario (HQO). In this capacity he was instrumental in demonstrating cost-benefit for bilateral cochlear Implantation, cochlear implantation for single sided deafness, and auditory brainstem Implantation. Dr. Kevin Higgins continues to serve as the Head and Oncology lead at the Odette Cancer Centre and was recently named the Ontario regional representative for the Head and Neck Council of the CSOHNS. Finally, Dr. Enepekides serves as the Chief of Surgical Oncology at the Odette Cancer Centre, the Regional Surgical Oncology Lead for Toronto Central North, and was recently appointed co-chair for the Salivary Gland

Section of the American Society of Head and Neck Surgery.

This year Dr. Trung Le successfully completed his 3-year university review which he passed with flying colours. His tremendous accomplishments were highlighted with his recent \$1.3 million CIHR grant. Dr. Tony Eskander was this year's recipient of our university department's *Resident Teacher of the Year Award* and was also recognized at Michael Garron Hospital with the *Geordie Fallis Award* for Advocacy and Mentorship in Medical Education.

The division of Otology-Neuro-otology continues to be extremely successful and remains a flagship program for the institution. Sunnybrook Health Sciences Centre is home to Canada's largest adult cochlear implant program. This year over 200 implants were placed and ongoing funding for an additional 45 implants was recently secured. In addition, the Sunnybrook Lateral Skull Base Program continues to provide state of the art multidisciplinary care to patients with cerebellopontine angle tumours. Philanthropic support for these programs continues to grow. This year, the Mason family completed its first \$1 million donation and has pledged ongoing support for the Sunnybrook Cochlear Implant Laboratory lead by Dr. Andrew Dimitrijevic. The Sonja Koerner Inner Ear Laboratory led by Dr. Alain Dabdoub continues to enjoy the generous support of the Koerner Foundation.

The division of Head and Neck Oncology continues to grow its clinical and research programs and remains one of the largest provincial regional head and neck oncology centres. The Sunnybrook Craniofacial Prosthetic Clinic, led by Drs.

Enepekides and Higgins, has enjoyed great success since its establishment last year. The program is currently funded to perform 25 extraoral osseointegrated prostheses annually and helps many more patients with complex craniofacial deformity. This has been a tremendous addition to the educational experience of our residents and fellows. The Odette regional Head and Neck Oncology program successfully recruited a new head and neck radiation

oncologist, Dr. Zain Hussain from Yale University, and will be adding a new medical oncologist in September. The Odette-Michael Garron Endocrinology Partnership continues to grow with over 300 thyroidectomies performed last year. The divisional research program, led by Drs. Higgins and Eskander, has never been more robust. The division continues to enjoy the support of many gracious donors whose gifts support research and clinical activity.

Finally, the department would like to acknowledge and thank our tremendous audiologists, allied health specialists, research teams, residents, fellows, and support staff without whom this work would be impossible.



Trillium Health Partners

(The Credit Valley Hospital, The Mississauga Hospital and Queensway Health Centre)

Dr. Yvonne Chan (Otolaryngologist-in-Chief)

Trillium Health Partners (THP) is a hospital system comprised of the Credit Valley Hospital, Mississauga Hospital, and Queensway Health Centre. Trillium Health Partners is one of Canada's largest leading academically-affiliated health centre with highly-specialized regional programs in Advanced Cardiac Surgery, Geriatric Mental Health Services, Hepato-Pancreato-Biliary Services, Neurosurgery, and Vascular Surgery Services. The hospital system has 1,306 beds and had over 1.73 million patient visits in the last year.

Our Faculty

The Division of Otolaryngology-Head & Neck Surgery at Trillium Health Partners comprises of 10 members. Our division members provide excellent general otolaryngology care to our community at large and subspecialty care in otology and rhinology. We also have a strong presence in head and neck endocrine surgery and pediatric tonsil/adenoid surgery.

Education

Our division members continue to play an active and significant role in all levels of education at the Mississauga Academy of Medicine (MAM). At the undergraduate level, we are actively involved in the Clinical Skills 1 and 2 teaching in small groups and clerkship teaching in our otolaryngology ambulatory clinic.

At the post-graduate education level, PGY4 trainees continue to rotate through THP as part of their community otolaryngology experience. Our rotation

has been consistently highly ranked by the residents over the years because of the unique opportunity during this rotation, they learn the practicalities of running a practice as well as clinical skills and excellent one-on-one operative experience with the various faculty.

FACULTY

D. Glenn Beard
Joseph Chen (P/T)
Janet Chung
Aman Grewal
Jeffrey Mendelsohn
Karim Nazarali
Lorne Segall
Adam Toth
Sandra Vojvodich

The THP Family

Medicine Teaching Unit PGY1 and 2 residents regularly select otolaryngology as their elective at our offices to strengthen their head and neck knowledge and clinical management of otolaryngology presentations.

In the Continuing Professional Development arena, we have bi-annual combined head and neck surgery and endocrinology teaching rounds where we review updated clinical guidelines and discuss difficult to manage cases in endocrine surgery. We also have organized combined respirology, allergy, and otolaryngology rounds annually to discuss new advancements in the treatment of upper and lower airway diseases. Dr. Chan presents at the Family Medicine Grand Rounds at THP annually on various topics chosen by the audience, namely "Evaluation of the Thyroid Nodules" this year.

Dr. Chan has a new book published in June 2019: Chan Y, Goddard J, editor(s). KJ Lee's Essential Otolaryngology-Head & Neck Surgery. 12th Edition. McGraw Hill Medical Publishing; 2019. Editor.

Awards

Congratulations to Dr. Jeff Mendelsohn who received *The Alma Smitheringale Excellence in Undergraduate Teaching Award* for having the highest undergraduate teaching evaluation scores.

Leadership

Thank you to Dr. Janet Chung for her continued service as the postgraduate education lead and Drs. Aman Grewal and Dr. Jeff Mendelsohn for their hard work as the undergraduate education co-leads. Dr. Chan is the university's department Director of Continuing Professional Development and is the liaison for the Community Academic Faculty. At the Canadian Society of Otolaryngology-Head & Neck Surgery, Dr. Chan is the Continuing Professional Development Committee Chair and is the new chair for the Rhinology Canadian Working Group.



Unity Health Toronto - St. Joseph's Health Centre

Dr. Rick Fox (Otolaryngologist-in-Chief)

The Division of Otolaryngology-Head & Neck Surgery at St. Joseph's Health Centre (SJHC) is staffed by six otolaryngologists with special interest and expertise in neuro-otology, rhinology, facial plastic and reconstructive surgery, paediatric otolaryngology, and endocrine surgery.

Faculty members are Drs. Dustin Dalgorf, Rick Fox, Andres Gantous, Robert Josephson, Jack Kolenda and Ian Witterick. All members of the faculty hold appointments with the University of Toronto. Dr. Witterick continues to serve as Chairman, Department of Otolaryngology-Head & Neck Surgery, University of Toronto. Dr. Witterick has been inaugurated as President of the Canadian Society of Otolaryngology-Head and Neck Surgery. He continues as Chief, Otolaryngology-Head & Neck Surgery at Sinai Health System (Mt. Sinai Site). Dr. Gantous has been involved in various facial plastic surgery courses, both nationally and internationally. Dr. Kolenda has continued his work in endoscopic sialendoscopy.

SJHC has maintained its tradition as a leader in the surgical and medical management of sinus and nasal disease. There are frequent visitors to the operating room to observe advanced sinus, rhinological, facial plastic and reconstructive techniques. Staff are involved with teaching university sinus and temporal bone courses, as well as resident preparation for Royal College exams. Otolaryngology residents, family practice residents and medical students have continued their rotations throughout the last academic year. They have always rated their time at SJHC to be an extremely rewarding experience with

the large volume of varied cases. Rhinology fellows, and in some cases facial plastic and reconstructive surgery fellows, learn from our faculty and are involved in the education and training of residents.

FACULTY

Dustin Dalgorf Andres Gantous Robert Josephson Jack Kolenda Ian Witterick (P/T)



Unity Health Toronto - St. Michael's Hospital

Dr. Jennifer Anderson (Otolaryngologist-in-Chief)

St. Michael's Hospital continues a major transformation due to the merger last year with two other centres; St. Joseph's Health Centre and Providence Healthcare to form the newly christened Unity Health Network.

Unity Health Network now compromises 1,003 adult in-patient beds with 49,586 admissions annually. The combined annual ambulatory activity in the first year with more than 780,000 visits and 177,000 emergency room visits. The network employs 10,000 staff and 1,400 physicians are on faculty.

The restructuring and merger was not without repercussions such that the organization is addressing a budget shortfall to be balanced within two years. This has had a modest impact on delivery of clinical services in some areas.

Administratively there has been sweeping changes with programmatic realignment and some cross organizational reporting. The Department of Otolaryngology-HNS moved to the Complex Care program without changes to ambulatory clinic resources or inpatient support.

The infrastructure project "St. Michael's 3.0" is delayed more than two years for complicated budget and contractor difficulties. However, the 17-storey Peter Gilgan Patient Care Tower is near completion and will have enlarged inpatient facilities for orthopedic surgery, oncology and respirology, as well as expanded intensive care units for coronary and medical-surgical patients. Five operating rooms will be added to the hospital, each large enough to

include state-of-the-art medical imaging equipment, such as MRIs and CT scanners.

Renovations to existing hospital space will include nearly doubling the size of the Slaight Family Emergency Department and replacing the 100-year-old Shuter Wing with a new three-story structure on the corner of Bond and Shuter Streets.

FACULTY

Al Chiodo (P/T)
Taryn Davids (P/T)
Theresa Holler (P/T)
Anil Katyal (P/T)
John Lee
Jun Lin
Richard Rival (P/T)
Tulika Shinghal (P/T)
Philip Solomon (P/T)
Molly Zirkle

Faculty

The Department of Otolaryngology-HNS is comprised of four full-time staff; Drs. Jennifer Anderson, John Lee, Jun Lin and Molly Zirkle. Dr. Zirkle is the FitzGerald Academy Director for the University of Toronto and Dr. Lee is the Division of Rhinology Head within our university department. The part-time staff at St. Michael's Hospital are Drs. Al Chiodo, Taryn Davids, Anil Katyal, Richard Rival, Tulika Shinghal and Phil Solomon.

Dr. Ron Storey Fenton retired completely from clinical practice this past year after 50 years of service at St. Michael's Hospital. Dr. Fenton bestowed a legacy of innovation and experience in endoscopic sinus and otologic surgery to hundreds of trainees, myself included. We wish him well in his retirement.

Clinical focus within our department has been focused in rhinology and endoscopic anterior skull

base, endocrine related surgery and laryngology. The ambulatory clinic has more than 20,000 visits a year.

The multidisciplinary voice clinic has two full-time laryngologists (Drs. Anderson and Lin) and two part-time faculty (Drs. Davids and Shinghal). Two highly skilled speech pathologists, Gwen Merrick and Marta DeLuca, are invaluable team members who attend the voice clinic regularly. The clinic has three videostrobscopy suites with a recent donation to provide new high definition endoscopic scopes. The KTP laser for laryngology procedures has proven to be incredibly versatile and has permitted many patients to receive treatment for laryngology pathology in clinic with reduced wait times and excellent safe outcomes.

Education

Dr. Molly Zirkle has a major leadership role in undergraduate education as the FitzGerald Academy Director in her second term. Dr. John Lee is the site representative for Postgraduate/Undergraduate education. Along with medical student electives, experience in laryngology from other residency programs is often requested as an elective.

The department also provides cross disciplinary teaching for music students and speech language pathology students as part of their curriculum at University of Toronto.

There is a clinical fellowship in laryngology supervised by Dr. Jennifer Anderson. Dr. Mohamed Al Ali (recent graduate of Dalhousie University residency) was the fellow last year who was a great team member now starting in academic practice in Abu Dhabi.

Research

The rhinology and voice laboratory reports headed by Dr. John Lee and Dr. Jennifer Anderson (respectively) will be under the research report updates. These involved are primarily clinical research with many trainee projects ongoing.

A total of 7 manuscripts were published this year with faculty and trainees presenting at multiple national and international conferences.



University Health Network

Dr. Ralph Gilbert (Otolaryngologist-in-Chief)

The Department of Otolaryngology-H&N Surgery at UHN had another great year of clinical and academic accomplishments and continues to provide international leadership in head and neck oncology / reconstructive microsurgery and otology neurotology.

Drs. de Almeida and Goldstein continue to lead our robotics program with a rapidly developing expertise in trans-oral robotic surgery. Dr. de Almeida also collaborates with Drs. Witterick and Vescan in our institutional endoscopic skull base program.

Our Otology/Neurotology program under Dr. John Rutka's leadership continues to excel in the management of vestibular disorders and innovations in care of patients with vestibular disorders. The Hearing and Balance Centre along with our Munk Hearing Aid Centre continues to provide strong clinical and academic programs.

The Head and Neck Group including Drs. Gullane, Irish, Gilbert, Brown, Goldstein, de Almeida and Chepeha continues to be extremely productive both academically and clinically.

Dr. Irish continues to lead the Guided Therapeutics (GTx) Group at TECHNA and continues to work with peer-reviewed grant support Fox Foundation on non-invasive techniques to facilitate treatment of head and neck tumours including Thyroid Cancer. The GTx group including Dr. Gilbert has been collaborating with the Otolaryngology Department in Brescia, Italy to initiate a tissue engineering program in bone reconstruction. The GTx group has been very active in image guidance and virtual

surgical planning.

Dr. Gilbert is the president of the International Academy of Oral Oncology, and is actively involved in the organization of the next IAOO meeting in Rome in 2019.

Dr. Goldstein was the recipient of this year's *Mosher Award* at the Triological Society for his work on frailty in the elderly patient. In

FACULTY

Dale Brown
Douglas Chepeha
John de Almeida
David Ellis (P/T)
David Goldstein
Patrick Gullane
Jonathan Irish
Ambrose Lee (P/T)
John Rutka
Allan Vescan (P/T)
Ian Witterick (P/T)

addition, David has accepted the position as Head of the Endocrine Site Group at Princess Margaret.

Dr. de Almeida continues his work in clinical trials authoring the current "Find Trial" and collaborating on the new Orator-2 trial for treatment of Oropharyngeal Cancer.

Dr. Chepeha has been very active in leading "Window" trials in the group and continues his work on rehabilitation of oral cavity patients in the post-surgical setting.

Generally the entire group has been extremely productive internationally with invited presentations and free papers and posters at the American Head and Neck Society, and numerous other national and international meetings.

The department's undergraduate, postgraduate and fellowship programs continue to provide excellent training. The department is an active participant in

the university department's divisional fellowship offering 4 clinical and 1 research fellowship position every year. These positions are highly sought after because of the strength of the clinical program at UHN.

The department continues to be indebted to our many donors as well as the Princess Margaret Foundation and the Toronto General/Toronto Western Foundation whose contributions allow us to continue the legacy of leadership in otolaryngology-head & neck surgery.

The department is pleased to announce that it will finally be in one location on the 8th floor at Toronto General. Special thanks to Jamie Chong for facilitating all that happens in the department especially the complexity of moving the majority of the surgical group from PMH to Toronto General. Thanks to Laura Di Liddo who continues to do a masterful job of managing our educational programs.



research team reports

Neuro-Otology and Auditory Science

Auditory Science Lab

Robert V. Harrison

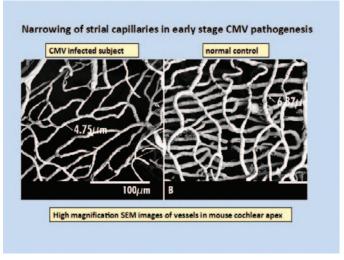
The Auditory Science Laboratory at SickKids has been a part of the university Department of Otolaryngology-Head & Neck Surgery for well over three decades. Over that period we have enjoyed continuous funding from CIHR, as well as supplementary grants, large and small, from other agencies.

We employ a range of research tools to explore the structure and function of the normal and pathological inner ear, and the developmental plasticity of the central auditory brain. Functional methods include electrophysiological measurement of single neuron responses and other evoked signals from auditory brainstem, midbrain and cortex. We use otoacoustic emission measures in human subjects and in animal models.

For more information visit our website: https://lab.research.sickkids.ca/harrison

In our anatomical studies, we make histological evaluations of the inner ear with light and electron microscopy. In recent years we have mastered corrosion cast studies of vascular structures in the inner ear. Some of our recent research was on the capillary network of the stria vascularis in animal models of cytomegalovirus (CMV) infection and presbyacusis. This work has been in collaboration with Dr. Albert Park and colleagues at the University of Utah. This collaborative research continues with studies endocochlear potential changes after CMV infection.

This past year has also been productive for our project manager Jaina Negandhi. She has been working on a number of studies including recording ABRs in mouse models of hearing loss, and scanning electron microscopy of the inner ear of the lizard. The latter is part of our research on the origins of



otoacoustic emission signals. This project is a collaboration with Chris Bergevin at York University. The work is largely supported by our departmental Barberian Scholarship fund.

Our mission has been to increase knowledge about the complex biological mechanisms of the auditory system and to understand the exact nature of hearing deficits. This new knowledge may lead to improved strategies for prevention, diagnosis and remediation of hearing disorders. This has been a very productive year, and I would like to thank all those who have collaborated with us in the Auditory Science Laboratory.

Neurotology and Vestibular Research

John Rutka & Phillip Gerretsen

In July 2018 we lost David Pothier, our clinical surgeon scientist and director of divisional research in neurotology and vestibular research to brain cancer. Dr. Pothier will be missed much and there is currently an ongoing search to find another surgeon who will continue to provide exemplary medical care and become involved in ongoing clinical projects in association with the Hertz Multidisciplinary Neurotology Clinic and the UHN Centre for Advanced Hearing and Balance Testing. We remain committed to the development of

innovative educational systems in both vestibular and oculomotor physiology.

Our current research projects involve:

- 1. The prevalence and correlation of head shake nystagmus (HSN) to VEMP, ENG and vHIT testing.
- 2. The Burden of Dizziness in the Province of Ontario from OMA/MOHLTC data from 2007-2017.
- 3. A Substantive Review of our Prospective Workplace Safety and Insurance Board (WSIB) Neurotology Data base of over 4,500 Head Injured Workers.
- 4. Analysis of the UHN Multidisciplinary Gentamicin Monitoring Program for the Prevention of Ototoxicity.
- 5. Analysis of the Effects of Vestibular Rehabilitation Therapy in Cerebellar Ataxia and Bilateral Vestibulopathy (CABV).
- 6. Creation of a Teaching Portfolio from the UHN Neuroradiology and Neurotology Rounds.

We also continue to work in conjunction with our vestibular psychiatrist, Dr. Philip Gerretsen in evaluating:

- 1. The Role of Catastrophizing in Patients with Dizziness.
- 2. Outcome analysis of patients receiving Cognitive Vestibular Therapy.
- 3. Reactivity of the Vestibular System to Caloric Vestibular Stimulation in Schizophrenia.

Cochlear Implant, Neurotology & Otology Research

Vincent Lin, Trung Le, Joseph Chen, and Andrew Dimitrijevic

The past year at the Sunnybrook Cochlear Implant program has been extremely fruitful. The clinical arena which is the impetus of our research program continues to grow. Under the leadership of Dr. Chen as the Provincial Cochlear Implant Coordinator, Health Quality Ontario completed their Health Technology Assessment for Adult Bilateral Cochlear Implantation and has recommended government funding for this endeavour. Furthermore, Health Quality Ontario has also completed their HTA for unilateral hearing loss and they have tentatively recommended government funding for either cochlear implantation or bone conduction technology for those individuals who are unable to receive a CI. We await the results of the HTA for brainstem implantation.

The research platform comprises of the Sonja Koerner Regeneration Laboratory led by Dr. Alain Dabdoub and the G. Mason Cochlear Implant Electrophysiology Laboratory led by Dr. Andrew Dimitrijevic. Specific milestones and achievements will be detailed in their separate reports. Their labs continue to grow and thrive with sustainable funding received by peer reviewed grants and philanthropy.

Our group continues to have a strong emphasis on patient outcomes and with the growing elderly population, we are very interested in the relationship between cognition and hearing loss. Dr. Vincent Lin and his collaboration with Dr. Sandra Black's group at Sunnybrook has led to the development and validation of the Hearing-Impaired Montreal Cognitive Assessment. This has now been fully incorporated into our clinical assessment pathway and all patients over the age of 60 receive this important screening test. Dr. Lin along with generous support from our industry partner, Med-EL are currently developing and validating an app version of the HI-MoCA with the goal of rapid dissemination of this tool once fully tested and validated. This will provide an immense opportunity to collect large amounts of data.

Dr. Peter Dixon recently completed his Master's degree at IHPME-University of Toronto with important work modifying the HUI-3 to be more discriminatory and disease specific for our cochlear implant recipients. Dr. Matt Crowson is continuing

his Master's degree at the University of Toronto, Department of Engineering studying the exciting possibility of machine learning with our large cochlear implant patient outcome data sets.

Our collaboration with the Faculty of Music continues and ongoing research projects looking at cochlear implant recipients and music appreciation and comprehension continue with multiple graduate students tackling this exciting topic.

Finally, we continue to promote hearing loss advocacy through our collaborations with patient interest groups and foundation related activities. Our goal will be to continue fundraising for this very worthwhile and prevalent disability.

Cochlear Implant Laboratory (SHSC) Andrew Dimitrijevic

The Cochlear Implant Laboratory at Sunnybrook has a mandate to conduct research that ultimately benefit our patients. The role of cognition and hearing is a major focus of the program with several projects currently underway.

Lightening the cognitive load. People with hearing loss need to exert more mental effort in order to follow a conversation. This may be related to the higher rate of dementia in this population. To this end we have found, across three separate studies, that effortful listening in people with cochlear implants engage specific executive function centres in the brain. The goal of this research is to use this neural activation pattern in a precision-medicine manner to tailor optimal rehabilitation strategies.

How plastic are you? Neural plasticity is thought to be a factor in how a patient can adapt to a cochlear implant. We have found that people with cochlear implants activate the hearing centres of the brain when they lip read silent speech. This effect is much greater compared to those with normal hearing. Importantly, the degree of activation is directly proportional to their clinical outcome speech perception scores. This means greater crossmodal plasticity is associated with better clinical outcomes.

Hearing loss is now thought to be a modifiable risk factor in dementia. Does getting a cochlear implant reduce the risk of dementia? Studies are currently underway in the lab to address this timely question.

Our team consists of two postdoctoral fellows, Drs. Brandon Paul and Emily Graber. Dr. Paul looks at brain modelling of neural markers of listening effort in people who have cochlear implants. Dr. Graber looks at the effects of different types of music therapy in people with cochlear implants. We have a number of students in the laboratory: Priyanka Prince and Arunan Srikanthanathan are examining neural markers of working memory in people with cochlear implants; Jessie Yu is examining whether we can use brain responses to natural running speech as a neural marker for cochlear implant function; Nikita Gini-Newman is looking at predictors of neural plasticity for cochlear implant surgical outcome; Natalie Nguyen is looking at brain responses following different music melodies. Varia Sajeniouk, Jenna Wolna and Emmanual Chan are research coordinators in the lab and ensure that things run smoothly in the lab.

We have established active collaborations with the SickKids cochlear implant program and the Rotman Research Institute at Baycrest Hospital.

The research program is supported by a generous donation from a private donor and two industry grants.

This year the lab has had invited lectures to Auditory EEG Signal Processing symposium, American Cochlear Implant Alliance in Belgium, International Hearing Loss Conference, lectures at Association for Research in Otolaryngology in Baltimore, Objective Measures in Tel Aviv, Israel.

Continuous fundraising efforts for the Sunnybrook Inner Ear Initiative remains a critically important source of research funding along our two major platforms: Sonja Koerner Hair-cell Regeneration Laboratory (additional \$1M from the Koerner Foundation; July 2019), and Gordon Mason Cochlear Implant Laboratory (completion of Mr. Mason's first \$1M gift and pledge to support the CI

lab with an additional \$2M; June 2019). The plan is to grow both laboratories with additional PIs in the next two years. Both platforms are unique within Canada.

We have worked tirelessly with Health Quality Ontario (HQO) in the past three years to complete three Health Technology Assessments (HTAs) to establish funding policies for a) Bilateral cochlear Implantation; b) Single sided deafness; c) Auditory Brainstem Implant. The work was completed in May 2019 with favorable recommendations awaiting budget analysis at the Ministry of Health. This represents a collaborative effort in a record-breaking timeline, led by Sunnybrook with its sister programs across the province and the HQO.

A major clinical research project that has a system impact is our continued focus in cost-utility analysis to evaluate the benefit of various middle ear and inner ear interventions. Such an analysis depends on accurate measurement of health state utility while existing tools perform poorly in the measurement of utility for hearing loss and its impact on quality of life. Peter Dixon (PGY4 resident) has undertaken and completed his MSc thesis in the past two years focused on improving the hearing status discrimination of the Health Utilities Index Mark 3 (HUI3), an internationally recognized and widelyused utility instrument. This work was supervised and supported by Sunnybrook, developers of the HUI3, and the Toronto Health Economics and Technology Assessment collaborate. The final instrument classifies hearing status according to 7 sub-attributes of hearing. This new hearing status instrument was integrated with the HUI3 using a methodology not previously described that has potential applications beyond hearing loss. Through more accurate measurement of utility in patients with hearing loss, the newly-designed utility instrument will facilitate appropriate health resource allocation in Ontario and other jurisdictions worldwide. We believe this toll will have a global impact.

Auditory Development & Regeneration

Alain Dabdoub & Trung Le

The research program focuses on discovering and elucidating the molecular signaling pathways involved in the development of the mammalian inner ear. The goal of the laboratory is to connect developmental biology to inner ear diseases and ultimately to regenerative medicine for the amelioration of hearing and balance disorders. Ongoing research projects include sensory hair cell development and regeneration focusing on the function of Wnt and Notch signaling pathways, endogenous regeneration of primary auditory neurons using neurogenic transcription factors for cellular reprogramming, and generating a molecular atlas of the blood-labyrinth barrier serving as a platform for discovering new drug targets and unlocking mechanisms of non-invasive delivery to the inner ear.

In addition to animal models, we are establishing the human balance organ (utricles) harvested from surgical patients as a model system for analysis of regeneration and differentiation pathways, in collaboration with Drs.Vincent Lin and Joseph Chen. By conducting our studies on human balance organs, our group will be able to determine the effectiveness of potential new therapies, accelerate discovery, and reduce the costs of performing clinical trials in patients. Our approach will include drug testing and gene therapy studies that will serve as "clinical trials in a dish" and represents a significant step toward translation from the basic benchtop research to the clinical population.

Paediatric Cochlear Implant Research Lab

Karen Gordon, Blake Papsin, Adrian James, Sharon Cushing

The Cochlear Implant Laboratory at The Hospital for Sick Children continues to investigate auditory and vestibular development and plasticity. We ask: 1) What aspects of auditory and vestibular development are arrested in children with hearing loss; 2) What changes in the auditory and vestibular system occur during the period of deafness; and 3) To what extent

can auditory and vestibular plasticity and development be promoted by cochlear implant use? We are also interested in innovations in cochlear implant design and programming which seek to improve the resilience of the device as well as to preserve residual hearing and binaural cues. Our work is supported by research funding from the Canadian Institutes of Health Research along with the Cochlear Americas Chair in Auditory Development and generous donations. Specific hypotheses which stem from these questions are tested through a number of studies currently underway.

Our team include Carmen McKnight, our Research Project Manager, and we welcomed Jaina Neghandi, our Research Project Co-ordinator, in May 2018 and Al Blakeman, our Research Project Co-ordinator in July 2018.

In September 2018, Robel Alemu began his MSc program at the Institute for Medical Science. He is working on a new set up to assess spatial hearing in children with and without hearing loss. We were also joined by Dr. Carly Anderson in February 2019 who, after completing her PhD (2016) and Research Fellowship (2017) at the University of Nottingham, worked as the Research Programme Manager at Action on Hearing Loss, London, UK. She is working on a collaborative project with Dr. Dimitrijevic assessing brain function in adults and children using bilateral cochlear implants. In September 2019, we expect to welcome Rebecca Benjamin to work on a project examining strategies to balance function in children with hearing loss. In 2018, we also welcomed Dr. Hyo-Jeong Lee who is a visiting otolaryngologist from Seoul, Korea. She is working on brain plasticity in children with single sided deafness who receive a cochlear implant.

We have several other wonderful members of our research team. Claire McSweeny who is in the final stages of her MSc program at the Institute for Medical Science. She has been working on a project in which we are exploring the effects of impaired binaural hearing and vestibular deficits on spatial awareness, memory, and navigation. We are also

interested in implications of these spatial problems on physical activity and academics (reading and mathematics). Dr. Hillary Ganek, a PhD speech-language pathologist, continues her post-doctoral work on language exposure in children's everyday environments. She is comparing data recorded with a Language ENvironment Analysis (LENA) device and scene categorization provided by datalogging functions in the cochlear implant processors.

We also said farewell to several members of our laboratory. Dr. Homira Osman completed her post-doctoral fellowship and Daniel Smieja and Ashley Deonarain both completed the MHSc program in the Institute of Biomaterials and Biomedical Engineering, University of Toronto. Daniel worked on novel ways to process electrophysiological responses to sound and Ashley worked on a high-fidelity simulator for surgical training in tracheostomy and advanced open airway surgery. Melissa Polonenko, completed her PhD in July 2018; in her award winning thesis work, she studied the use of bimodal hearing (acoustic hearing in one ear and electrical hearing through a cochlear implant in the other).

We have enjoyed the opportunity to work with a number of students over the past 2 summers and continue to have important collaborations locally (Robert Harrison, Adrian James, Ben Dunkley, James Rutka, Sandra Trehub, Susan Blaser, Frank Russo, Jenny Campos, Andrew Dimitrijevic, Elizabeth Pang), nationally (Sam Doesburg) and internationally (Robert Cowen, Ruth Litovsky, Andrej Kral).

The past year has been very productive: 18 publications came out or are in press. Between this summer and last, we collectively presented over 27 abstracts at international meetings and gave more than two dozen invited talks internationally.

Some highlights from the past year include: 14 student/trainee awards including fellowship awards for Carly Anderson (Kimel Family Fellow Award and the LiUNA! Fellowship for Research Innovation) and Hillary Ganek (Restracomp Fellowship Award). Ashley Deonarian received a Restracomp Graduate Studentship Award and Melissa Polonenko was

awarded the Exceptional Trainee Award, Neuroscience and Mental Health program, SickKids Research Institute.

OtoSim™ Lab

Paolo Campisi and Vito Forte

The OtoSimTM laboratory has enjoyed another successful year thanks to the ongoing efforts of staff members and engineers in addition to collaboration with the CIGITI labs.

Dr. Vito Forte remains the full-time CEO and CTO of OtoSim Inc. and Liaison Officer between the Department of Surgery at the Hospital for Sick Children and IBBME. These positions have ensured the successful expansion of OtoSim and the training of graduate students.

OtoSim MobileTM has been formally introduced as a new product. This novel simulator couples with any smart phone to administer a complete otoscopy curriculum. The device was piloted by Dr. Josie Xu

using a discovery learning model. The project, awarded a research prize at the Poliquin Resident Research Competition, was supervised by Drs. Campisi, Brydges and Vescan. In a new initiative sponsored by benefactor Mr. Ralph Chiodo, The Department of Otolaryngology – Head & Neck Surgery of the University of Toronto, and OtoSim Inc., OtoSim MobileTM units were distributed to every resident training in Otolaryngology – Head & Neck Surgery across the country. A national curriculum will be administered during the 2019–2020 academic year as part of the new competency curriculum.

The OphthoSim MobileTM was introduced into the medical simulation market in 2019 after the development of sophisticated software to simulate ophthalmoscopy. Both devices have been incorporated into more than 500 medical teaching institutions around the world to improve teaching and better patient outcomes by providing effective and affordable simulation tools.

Head and Neck Oncology

Head & Neck Oncology Research

Danny Enepekides, Kevin Higgins, Antoine Eskander

The Sunnybrook Health Sciences Centre head and neck oncology group has been actively expanding its research platform. The three main pillars of the program include (1) clinical trials, (2) clinical outcomes research and quality improvement and (3) population-based large database research.

Trials

Currently we are participating in 4 active clinical trials including (1) INSPIRE, (2) ORATOR2, (3) EVADER, and (4) Intra-tympanic NAC.

INSPIRE Trial: Randomized Phase II Trial of Neoadjuvant and Adjuvant Therapy with the IRX-2 regimen in patients with newly diagnosed stage II, III, or IVA squamous cell carcinoma of the Oral Cavity.

ORATOR2 Trial: Primary Radiotherapy versus Primary Surgery for HPV-Associated Oropharyngeal Cancer.

EVADER Trial: De-Escalation Radiotherapy in Patients with Low-Risk HPV-Related Oropharyngeal Squamous Cell Carcinoma.

NAC Trial: Intratympanic N-Acetylcysteine (NAC) injections for prevention of cisplatin-induced ototoxicity in head and neck cancer patients: A multi-centre phase II randomized controlled trial.

Clinical Outcomes Research and Quality Improvement

Several clinical outcomes studies are ongoing and many of which are multi-centre studies.

Radiomics signatures are being used to predict residual tumor in post-treatment images as well as extent of tumour in pre-treatment images. A risk calculator for head and neck surgical patients is being developed in conjunction with our colleagues at UHN. Using a national database approach, tumour volume for T3 larynx cancer is being used to predict outcomes for non-surgical patients using a multidisciplinary approach involving radiology, radiation oncology and surgery. Working with our craniofacial prosthesis unit we are assessing the utilization and outcomes with implants and prostheses. Opioid usage for minor head and neck procedures is being studied using a multi-centre approach to help develop guidelines on appropriate prescriptions at discharge. A large grant was secured to study patterns of metastasis in head and neck cancer using clinicpoathomic markers.

Several quality improvements projects are also underway including a surgical tray reduction project and a PTH-driven calcium supplementation algorithm for thyroidectomy patients in conjunction with our colleagues at the Michael Garron Hospital. A machine learning automated staging algorithm is being developed in conjunction with an industry partner to help improve the frequency and accuracy of staging in cancer charts using already well documented clinical, radiology and pathology reports.

Population-Based Administrative Data Research

A number of important questions are being answered by our group using large population-based databases such as NSQIP, NCDB, and ICES data.

NSQIP (American College of Surgeons – National Surgical Quality Improvement Program)

- (1) Energy based devices versus conventional hemostasis in thyroidectomy.
- (2) Calcium supplementation approaches after thyroidectomy

NCDB (National Cancer Database)

- (1) Pathologic staging changes in oral cavity squamous cell carcinoma stage migration and implications for adjuvant treatment.
- (2) Treatment Trends in HPV+ Oropharyngeal Squamous Cell Carcinoma: A Study of the National Cancer Database.
- (3) Bleeding and mortality after trans-oral robotic surgery.

ICES (previously known as Institute for Clinical Evaluative Sciences)

- (1) A Population-Based Study on NIFTP Incidence and Survival: Is NIFTP Really a "Benign" Disease?
- (2) Impact of immigration and ethnicity on incidence and survival in head and neck cancer.
- (3) Predictors of Edmonton Symptom Assessment System (ESAS) completion and symptom trajectories among patients with head and neck cancer in Ontario.
- (4) Trends in outpatient surgery after thyroidectomy in Ontario: costs and short-term outcomes.
- (5) Impact of the Thyroid Quality-Based Procedures on appropriateness of care and resources utilization in Ontario.
- (6) Volume-outcome associations in the management of thyroidectomy patients in Ontario.
- (7) Wait-time package for head and neck cancer patients in Ontario: impact on survival and costs of care.

Head & Neck Surgical Research

David Goldstein, Ralph Gilbert, Patrick Gullane, Dale Brown, Jonathan Irish, John de Almeida

The 2018-2019 academic year has been another productive and successful research year for the Wharton Head and Neck Cancer Surgery research

program at the University Health Network. Research at the University Health Network takes place across the three sites, with the majority of research occurring between the Toronto General Hospital and Princess Margaret Cancer Centre. The surgeon investigators for the head and neck oncology program have affiliations with both the Ontario Cancer Institute and the Toronto General Research Institute. The research program is a multidisciplinary program with local, national and international collaborations and has 6 major themes/pillars:

- 1. Clinical outcomes research in head and neck oncology and reconstructive surgery. Outcomes research includes prospective and retrospective observational studies in mucosal, salivary gland, endocrine and skull base neoplasms. In addition, there is a major focus on evaluation of outcomes with microsurgical reconstruction and functional outcomes including quality of life assessment.
- 2. Basic science and translational research program is a multidisciplinary program that involves radiation and medical oncology, pathology, and basic science labs. Research includes proteomics, genomics, stem cell research, and molecular epidemiology. A large focus of the program is on the identification and assessment of biomarkers in the treatment of head and neck cancer, as well as immunotherapy in head and neck cancer.
- 3. Health services research with a focus on quality of care and cost-effectiveness.
- 4. Clinical Trials a head and neck surgical clinical trials program has recently been established with the very generous support and vision from the Norman and Marian Robertson's Foundation. The program's focus will be on developing local as well as national and international surgical trials led out of the UHN, as well as allow for increased participation in co-operative group surgical trials.
- Data Science and Artificial Intelligence has also been a recent research pillar with a focus on development of a comprehensive and integrated

head and neck surgical database that will be used to support research using large data including radiomics and predictive nomograms for patient management in the pre-operative, perioperative and post-operative periods using algorithms developed through artificial intelligence neural networks. This program would not be possible without the support from the Shen family foundation.

6. Guided therapeutics program whose work is covered in a separate report. Much of this research is performed in collaboration with the other members of the multidisciplinary head and neck disease site as part of the discovery program. Resident and fellow research is also a major component of the research program. There have been a number of residents and fellows who have been mentored and supported by members of the head and neck surgery research program.

In the 2018-2019 academic year the UHN surgeons had over 50 peer-reviewed publications accepted or in-press. There have been a number of notable research achievements this past academic year. The ORATOR trial led out of Western University by Dr. A. Nichols and Dr. D. Palma was presented at ASCO with the UHN site being one of the centres of accrual. The FIND trial led by Dr. de Almeida has been successfully recruiting, as well as being expanded to other Ontario Centres. At the recent American Head and Neck Society and Triologic Society Meeting in Austin this year the UHN head and neck surgical team had 5 podium presentations and 7 research poster presentations. Dr. Mirko Manojlovic Kolarski (PGY4) won a poster prize for best value poster for his poster titled "Cost-Effectiveness of Salvage Laryngectomy Closure Techniques", Dr. Carissa Thomas (Head & Neck Fellow) won best poster for the AHNS for "Decision Regret in Older Patients Undergoing Head and Neck Surgery", and Dr. David Goldstein won the Harris P. Mosher Triologic Society Award for excellence in a clinical thesis on "Frailty as a Predictor of Outcomes in Older Patients Undergoing Major Head and Neck Surgery". Dr. Xiao Zhao (PGY5)

successfully completed his PhD under supervision of Dr. Fei-Fei Liu, evaluating the role of metabolic regulation in the development of radiation induced fibrosis. This work resulted in a first-authored publication by Dr. Zhao in the very prestigious journal *Nature Metabolism*.

This past year also saw a number of successful grants being obtained. David Goldstein and Anna Sawka were awarded a CIHR Project Grant for Active Surveillance or Surgery for Primary Management of Very Low Risk Papillary Thyroid Cancer for (\$1,013,625); a CIHR Grant for planning a Prospective Active Surveillance Study for Low Risk Papillary Thyroid Cancer (\$10,000); and a Princess Margaret Department of Surgical Oncology Education grant to support a knowledge translation event on overdiagnosis and overtreatment of Low Risk Papillary Thyroid Cancer. (\$30,000).

Head & Neck Oncology Research

Ian Witterick, Christina Macmillan, David Fu, Ron Chazen, Anne Hsieh, Jeremy Freeman, Eric Monteiro, Allan Vescan

We focus on a number of clinical and basic science research project. Clinical research projects focus on thyroid cancer outcomes. Basic science projects focus on molecular oncology to identify predictive/prognostic molecular signatures, their biological functional roles and signaling pathways that drive thyroid and head & neck cancers. Using high throughput automated robotic screens, we identify novel anti-cancer small molecules/compounds, and characterize their potential therapeutics. Integrating a variety of disciplines, we develop molecular biomarkers at microRNA, mRNA, DNA and/or protein levels through molecular analysis of human cancer tissues or biopsies. We establish early diagnostic assays for identifying pre-cancer patient and prognostic assays for objectively evaluating the patient's overall outcome, and investigate novel therapeutic approaches that transform laboratory discoveries into improving cancer patient care for thyroid cancer and head & neck cancers.

Head & Neck Translational Program

Fei-Fei Liu

The Head and Neck Cancer (HNC) Translational Research Program at the Princess Margaret strives for a future where HNC can be cured without toxicity. This program has three main goals: 1) To understand HNC biology at the molecular, cellular, and tumour levels; 2) To elucidate the molecular and genetic bases of treatment toxicities in response to radiation, with or without chemotherapy; and, 3) To train young scientists and physicians in the scientific pursuits of understanding HNC. Our research team comprises of over 80 clinicians, scientists and research personnel, collectively working on several projects, including: tumour initiating cells, genetic determinants of outcome, biomarkers & novel drug discovery, proteomic studies, treatment of human papilloma virus associated oropharynx cancer, and prognostic value of imaging-omic data.

Each year, our team publishes over 100 peer-reviewed publications in leading scientific journals. This year has seen numerous advances in HNC research. First, I would like to congratulate Dr. Scott Bratman and Co-Principal Investiga¬tor, Dr. Wendy Parulekar (Senior Inves¬tigator, Canadian Cancer Trials Group), on a successful CIHR Project Grant Award to support a multi-institutional Phase II single arm trial (CCTG HN.10) of elective volume adjusted de-escalation radiotherapy (EVADER) in patients with low-risk HPV-related oropharyngeal squamous cell carci¬noma. This innovative project

ranked 2 out of 39 applications reviewed in the Cancer Biology & Therapeutics Panel, and only 5 applications were approved.

Secondly, Dr. John Waldron has been appointed as the Bartley-Smith Wharton Chair in Radiation Oncology for a 5-year term, effective January 1, 2019 until December 31, 2023. Since its inception, the Bartley-Smith/Wharton Chair has supported the recruitment of many rising talents to our Head and Neck Program through fellowships. The support of the Chair has also enabled the team to create the Head and Neck Bio-clinical Anthology of Outcomes and Translational Research; a comprehensive database, which collects prospective patient data at point-of-care. Consequently, these invaluable resources have led to the publication of over 600 papers in HNC research over the last ten years, many in high impact cancer journals. Congratulations to Dr. Waldron on this prestigious appointment!

Finally, a research team led by Drs. Fei-Fei Liu and Xiao Zhao, a head-and-neck surgery resident who completed his PhD studies with Dr. Liu, published a high impact study in *Nature Metabolism*, which uncovered the metabolic dysregulations which underlie radiation fibrosis. Radiation-induced fibrosis is a long-term side effect that can significantly compromise patients' quality of life, particularly for HNC patients, and these findings bring exciting new opportunities for combatting this debilitating side effect.

Head and Neck Surgery

Guided Therapeutics (GTx) Research Program

Dr. Jonathan Irish (GTx Program Leader)

GTx Program Staff:

Jason Townson, PhD (manager/scientist), Michael Daly, PhD (staff scientist and engineer), Harley Chan, PhD (engineer), Robert Weersink, PhD (physicist), Daniel Lin (engineer), Jimmy Qiu (engineer)

GTx International Scholar Scientist:

Dr Nidal Muhanna MD PhD

GTx Fellows:

Drs. Catriona Douglas, Wetchayan Chansarn and Marco Ferrari

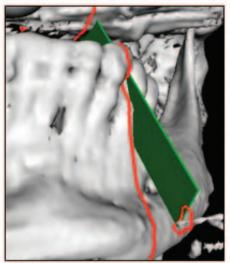
The GTx Research Program, part of UHN's TECHNA Institute, continues to lead and support research, run translational clinical trials and development of new technologies and interventions in head and neck, skull base, thoracic and sarcoma cancer surgery. This research is completed by our multidisciplinary team of surgeons, radiation physicists, engineers, programmers, chemists, cancer biologists, and imaging specialists, using the key GTx infrastructure consisting of the GTx Operating Room (GTx-OR at the Toronto General Hospital) and the GTx-Lab (at Princess Margaret Cancer Research Tower). During the past year, the GTx Program focused on translational research and development of a broad range of new and continuing research projects:

- Assessing image quality and clinical utility of intraoperative cone-beam CT imaging in head & neck, skull base, sarcoma and thoracic surgery patient studies
- Translating surgical navigation tools for mandibular, maxillary, brachytherapy and skull base surgery to the GTx-OR

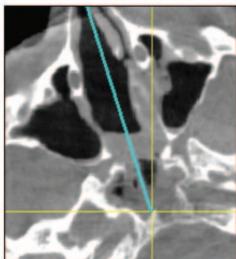
- Pre-clinical evaluation of 3D image-guidance in complex sinonasal models
- Applying intraoperative dual energy CT scanning capability in the operating room to increase the sensitivity of non-invasive imaging
- Improving reconstruction through new 3D modelling and printing capabilities
- Developing augmented reality (AR) and virtual reality (VR) technologies for surgical applications
- Creation of a computational framework for three-dimensional fluorescence imaging
- Development of 3-dimensionally printed stem cell scaffolding for bone reconstruction-a collaboration between University of Brescia (Italy) and UHN (Irish/Gilbert/GTx)
- Continuing a collaboration with the National Optics Institute (INO) to develop an efficient point-of-care test to determine specimen adequacy for fine needle aspiration samples
- Applying machine learning techniques to recognize surgeon hand gestures for intraoperative visualization of 3D imaging in a sterile surgical environment
- Continuing ongoing collaboration with Mount Sinai surgeon to translate GTx surgical navigation technology to Mount Sinai ORs for osteosarcoma surgeries. This past year, a new 2D-3D image registration algorithm has been developed to support future clinical studies in Mount Sinai
- The GTx Program continues to work on the \$7M 5-year Terry Fox New Frontiers Program Project Grant for "Porphysome Nanoparticle-Enabled Image-Guided Cancer Interventions"

which was announced in September of 2017. This grant supports the GTx Program's continued research and development of porphysome nanoparticles (developed by and in collaboration with Dr. Gang Zheng) as an imaging and therapeutic (theranostic) agent for thyroid and oral cavity cancers. As part of this research effort, the GTx program (in collaboration with other research groups at UHN and Sunnybrook) has continued research and development of porphysome enabled photodynamic therapy (PDT) as a potential treatment option for papillary thyroid cancer.

- Nanoparticle synthesis scale up and final preclinical safety studies are now being conducted with first-in-human studies expected in 2020
- Expanding upon the research progress made as part of the Terry Fox New Frontiers Program Project, the GTx program has commenced studies to determine the safety, efficacy and feasibility of using porphysome nanoparticles for PDT treatment of sarcoma, oral cavity and oropharynx cancers. This includes development of PDT as an adjuvant therapy as well as attempting to further elucidate the link between PDT and the abscopal effect on cancers.



Hasan et. al. (Laryngoscope 2019)



Muhanna, Douglas et. al. (Under Review)



Muhanna, Douglas et. al. (Head & Neck 2019)

GTx Program: At a glance

PATIENT OUTCOMES AND EXPERIENCE



- 9 cancer related clinical trials
- 3 non-cancer related clinical trials (26 patients)
- >200 cases in the GTx OR

KNOWLEDGE GENERATION



- 64 refereed papers
- 100+ published abstracts and presentations
- 4 licensable technologies

KNOWLEDGE TRANSFER



- 46+ GTx OR open houses and tours
- 1 GTx Surgery Program Website
- 6 site-group specific GTx Fellowships
- 8 Undergraduate medicine and engineering summer students

- >18 multi-disciplinary team members involved
- GTx Research &
 Operational Oversight
 Committee; reporting to
 GTx Governance
 Committee and Innovation
 OR Committee

PEOPLE



- GTx Lab (TMDT), the GTx OR (TGH), and the Research MR Suite (TGH) as key infrastructure
- 4 site group users to date
- GTXOR now mixed clinical and research use

INFRASTRUCTURE, OPERATIONS AND INTEGRATION



Rhinology

Rhinology Research (SMH)

John Lee

2018–2019 was another busy year for our rhinology research program here at St. Michael's Hospital. I am grateful for the generosity of the Dunin Foundation which continues to support many of our research projects as well as our sinus and nasal physiology lab. Additionally, grants from the Harry Barberian award have provided ongoing support for many or our resident-led studies.

Some highlights from this past year:

- 1) A total of 5 peer-reviewed manuscripts and 2 conference proceedings were published in major rhinology and skull base surgery journals including the International Forum of Allergy and Rhinology, The Laryngoscope and Otolaryngology-Head & Neck Surgery. Many of these studies have been led by our talented residents: Drs. Justin Cottrell (PGY2), Daniel Lee (PGY2), Terence Fu (PGY2), Christopher Hong (PGY3), Joel Davies (PGY4), and Dr. Jonathan Yip (graduate). Some of the topics we have published on include wait times for endoscopic sinus surgery affecting patient outcomes, the impact of septal deviation on recurrent chronic rhinosinusitis, and the quantitative analysis of working space during endoscopic skull base surgery.
- 2) This year marked the return of RhinoWorld, the largest rhinology meeting in the world which is held every 10 years. From June 6-9, 2019 in Chicago IL, the American Rhinologic Society held its scientific spring meeting in conjunction with RhinoWorld. We were honoured to have 3 of our studies from St. Michael's Hospital selected for scientific oral presentation at this international meeting. In fact, a systematic review of aspirin desensitization for AERD led by our resident Dr. Daniel Lee was selected as one of

the top 10 clinical abstracts submitted to the meeting. Daniel also presented our collaborative work with the cystic fibrosis program at SMH on the impact of sinus surgery on pulmonary outcomes for CF patients. Our recent graduate Jonathan Yip (who just finished a rhinology fellowship at Northwestern) presented on wait times for endoscopic sinus surgery influencing patient reported outcomes in chronic rhinosinusitis.

Once again, I am indebted to the hard work of our medical students and resident trainees who are such a big part of the success of our research team. Without all of their interest and dedication, we would not be able to continue to advance our rhinology mission here at St. Michael's Hospital. This upcoming year, we have several prospective studies which we hope to complete on topics ranging from the use of nasal nitric oxide to predict long-term outcomes of endoscopic sinus surgery for chronic rhinosinusitis as well as how techniques of nasoseptal flap harvest may affect olfactory outcomes.

Voice and Upper Airway

Paediatric Voice Research

Paolo Campisi

The Paediatric Voice Laboratory at the Hospital for Sick Children is primarily involved in voice outcome and epidemiological research. The laboratory collaborates with Laurie Russell, SLP, and Kim Simpson, clinical research assistant.

Recent and ongoing projects include: A quality review of a multidisciplinary clinic to assess patients with exercise-induced vocal fold dysfunction. The study examined the referral, diagnostic, management and treatment practices for this condition. The project was submitted at the American Laryngological Association in Austin, Texas in 2019. The laboratory is also piloting the latest generation endoscopes to obtain digital images in very young patients. The endoscopes will also be used to assess vocal fold mobility in children undergoing thyroid surgery. Finally, data has been collected nationally to monitor for changes in the incidence of recurrent respiratory papillomatosis following the introduction of vaccination programs for the human papillomavirus.

Paediatric Airway and Head & Neck Research Lab

Evan Propst, Nikolaus Wolter, Robert Harrison, Karen Gordon, Alex Osborn, Jennifer Wolter, Blake Papsin

The Paediatric Airway and Head & Neck Research Laboratory at the Hospital for Sick Children has been involved in a variety of projects involving the pediatric airway, head and neck, ranging from basic science to educational research. This work is supported by the Gnat and Bastable-Potts Chair in Paediatric Otolaryngology, Restracomp, and funding from the Stronach, Paris, Choi and Lo families. Supported by a generous grant from the Hospital for Sick Children, the laboratory teamed up with The Centre for Applied Genomics (TCAG) to perform whole genome sequencing on patients with

complete tracheal rings and their parents in search of potentially causative mutations of this rare condition. We completed the first clinical study investigating intraoperative recurrent laryngeal nerve monitoring in children during thyroid surgery, which was presented at the annual meeting of the American Society of Pediatric Otolaryngology and this work received the Perioperative Services Innovation Award from the Hospital for Sick Children for the best innovation that resulted in improved patient care by a team within Perioperative Services. Ashley Deonarain, an outstanding graduate of the University of Toronto, Department of Engineering, studied the validity of using a live porcine model for teaching tracheostomy and open airway surgical procedures (thyroid ala and costal cartilage graft laryngotracheoplasty) as part of her Master's thesis. She also created a high fidelity synthetic neck and airway model and successfully defended her thesis looking at the validity of using this model for teaching tracheostomy and open airway surgical procedures, which will be presented at the International Conference of the IEEE Engineering in Medicine and Biology Society in Berlin, Germany. All of these studies were completed at our annual International Pediatric Open Airway Surgery Workshop. Competency-based assessment tools were created for tracheostomy and esophagoscopy in association with our previous fellow Erynne Faucett by surveying 65 expert pediatric otolaryngologists from around the world using a Delphi process to be able to standardize education for these procedures for trainees in the future. We have also been investigating the molecular development of lymphatic malformations, seeking to understand the molecular targets of sirolimus in lymphatic endothelial cells to gain new insights into how these lesions form and regress. This data was recently presented at the North American Vascular Biology Organization Lymphatic Forum. Our newly created departmental tissue bank will allow us to expand the research we are conducting to investigate a myriad of other diseases affecting children with otolaryngological conditions.

Voice and Upper Airway Laboratory

Jennifer Anderson & R. Jun Lin

The voice laboratory work has supported several trainee projects with numerous presentations at national and international meetings in the past academic year. Conferences where faculty presentedg include:

Fall Voice Conference. Seattle, WA. October 2018 (Dr. Lin and Dr. Bannerjee – laryngology fellow)

Current Concepts in Head and Neck Cancer. November 2018 (Dr. Jun Lin, invited faculty)

Winter Days of Laryngology. Crans Montana, Switzerland, January, 2019. (Dr. Anderson, guest faculty)

Combined Otolaryngology Spring Meeting. Austin, TX. (Dr. Lin and Dr. Anderson)

American Academy of Asthma and Allergy. San Francisco, CA. February 2019. (Dr. Anderson, keynote speaker)

Canadian Society of Otolaryngology-HNS Annual Meeting (Dr. Jun Lin, Yael Bensoussan - trainee).

Ontario Society of Speech Language Pathologists and Audiologists, June 2019 (Dr. Anderson and Dr. Lin)

Congress of European Otorhinolaryngology. Brussels, Belgium. June 30, 2019 (Dr. Anderson, invited speaker)

Grants

Dr. Jun Lin received a Harry Barberian Educational Scholarship (\$9,822.22) April 2018 with co-investigator J. Anderson to investigate the effects of ARC blue laser versus KTP laser scarring in vocal fold animal model. This project was completed and has been submitted for publication.

PSI Grant Submission: Randomized Control Trial of Voice Rest following Phonosurgery Primary Investigator Dr. Jun Lin, Co-Investigator, Dr. J. Anderson.

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humanitarian outreach

Humanitarian Outreach

Canada International Scientific Exchange Program (CISEPO)

Dr. Arnold Noyek, OC, MD, FRCSC, FACS

Please find more information at www.CISEPO.ca

Face the Future[™] Foundation

Dr. Peter Adamson, MD, FRCSC, FACS

Additional information is available at http://www.facethefuturefoundation.ca

This year the Face the FutureTM Foundation celebrated its 23rd year of providing international humanitarian surgical missions to less developed countries. Major missions this year to Kigali, Rwanda and Ulyanovsk, Russia brought the sum total of major missions held since its founding to 36. There was also a pilot mission to Kathmandu, Nepal.

The Foundation was established in 1996 by Dr. Adamson, following his initial participation in medical missions through his leadership positions in the American Academy of Facial Plastic and Reconstructive Surgery. A generous endowment from a patient at that time has been augmented with increasing levels of corporate support through grants and provision of equipment and instrumentation. Our major funds still come annually through a loyal group of friends of the foundation. There has also been support from the Department for senior residents and fellows to participate. This has been made possible through the generous endowment of the Joseph K. H. Wong Global Health Outreach Program.

Throughout its history, the Face The FutureTM
Foundation has adhered to its philosophy of establishing partnerships with local ministries of health, hospitals, surgeons and nurses. In this way, it is possible to build capacity and enhance sustainability through not only treating patients with highly complex surgical conditions, but also through

teaching in the operating room, Intensive Care Unit and wards. Our visiting team retains it's same composition of team members from year to year, such that strong and valuable relationships are established with our host teams. With increasing trust comes more advanced education and productivity each year.

Rwanda 2019 Mission

From February 17–22, 2019, the Foundation had its seventh major mission to the Rwanda Military Hospital (in fact, a large public hospital) in Kigali. There were 18 team members, with Dr. Adamson acting as Chef de Mission and Dr. Ife Sofola of Houston as Mission Director. Microvascular surgeons, anaesthesiologists, hospitalists, nurse educators, operating room nurses and a radiation oncologist from Johns Hopkins University, Harvard University, Baylor University and Regensburg University in Germany, as well as the University of Toronto.

Almost 70 patients were seen for screening and consultation and 45 patients operated upon, constituting over 60 procedures. These included major head neck tumor ablations, followed by a total of 11 free flaps and numerous other advanced head and neck reconstructive procedures. Patients were also treated for facial scars, some still present from the genocide era, traumatic facial bone and soft tissue reconstruction, congenital facial and nasal reconstructions, burns and noma reconstruction. Our patients were primarily children and young adults, this reflecting the demographic and needs of Rwanda.

Our host team, all of them educators, also supported the Rwandan government's initiative to establish its very first plastic surgery training program, with three residents beginning in March 2019. Dr. Mitchell Brown, a plastic surgeon who has been head of the University of Toronto post-graduate medical education program, is also helping to spearhead this effort. Through our radiation oncologist, the very first-ever Rwandan head and neck cancer patient was treated with radiation therapy, guided through this process in their new facility. We were also pleased to have a substantial donation of equipment and supplies, valued at about \$200,000, including an endoscopic tower from Germany.

Ulyanovsk 2019 Mission

Our second major mission was to Ulyanovsk Regional Paediatric Hospital in Russia from April 14-19, 2019. This was the eighth major mission and included a team of eight. There were facial plastic surgeons, an oromaxillofacial surgeon, paediatric general surgeon, paediatric anaesthesiologist, surgical fellow and operating room nurse educator. They came from Baylor University, University of San Francisco and University of Toronto. More than 70 paediatric patients were seen in consultation and over 40 procedures performed. These included nasal reconstructions for trauma, facial scar revisions, oromaxillofacial reconstructions for trauma and congenital conditions, and paediatric GI surgery. Teaching was carried out in the operating room and through numerous daily focused case study specialty presentations.

Kathmandu 2019 Pilot Mission

In January 2019, Dr. Adamson and one of his previous clinical fellows, plastic surgeon Dr. Jeremy Warner from Northwestern University in Chicago, completed a pilot mission to the Kirtipur Burn and Cleft Hospital in Kathmandu, Nepal. The visit was very productive and confirmed a major mission being planned for January 2020.

This mission will focus primarily on the management of burns, as there are as many as 50 such patients daily in their burn unit. We will also focus on hand reconstruction and rehabilitation, and have future plans to establish work in traumatic facial

reconstruction and microtia. There will also be an emphasis on needed education and care in the Intensive Care Unit and for perioperative patient management.

Ethiopia 2019 Mission

This proposed mission, now in planning for almost 2 years, will be led by Dr. Marco Caminiti of the Department of Oromaxillofacial Surgery, University of Toronto. It will be two weeks long and will focus on both basic and advanced treatment for oromaxillofacial conditions. Currently Ethiopia, with a population of almost 100 million, has two trained OMFS surgeons. As Dr. Caminiti is also head of the postgraduate education program in Toronto, he will be taking a major role in developing their residency program.

Face The Future™ Foundation's annual fundraising event was held at the Rosewater Room in Toronto on May 22, 2019. 160 participants helped raise a substantial amount of the funds needed for our expanded number and size of missions. The Foundation is also in the process of establishing a Major Gift Campaign to support our new missions to Addis Ababa and Kathmandu. We are continuing to move forward on our proposed mission to Santo Domingo, Dominican Republic, and are in the early stages of exploring future opportunities in Africa and South America.

Throughout its history, the Face The FutureTM
Foundation has always been proud to identify its origin in Canada and affiliation to our Department of Otolaryngology-Head & Neck Surgery and the University of Toronto. This shall continue. It is also hoped that there will be more senior residents, clinical fellows and OHNS staff from Toronto who may seek to participate in our foundation missions. As always, on behalf of our foundation, I express my gratitude to Dr. Ian Witterick, Dr. Paolo Campisi and the Joseph K. H. Wong/Smile China Project Award in Global Health and Outreach for their support.



Dr. Jeremy Warner, second from left, Dr. Adamson fourth from left, with other staff surgeons from Nepal Cleft and Burn Hospital in Kirtipur (suburb of Kathmandu)



Team lunch



Host and team surgeons creating OR schedule



First-ever use of endoscopic equipment with new equipment donated by foundation corporate supporter



Teaching in the ICU



Dr. Adamson, left, Dr. Charles Furaha, Rwanda Chief, centre right, Dr. Ife Sofola, right, Mission Director



Dr. Jeremy and Dr. Shankar Rai, Chief of Plastic Surgery, in the ICU of the Kirtipur Burn and Cleft Hospital, Kathmandu, Nepal



Opening ceremonies of mission with our team, Minister of Health (Mr. Sergey Panchenko), Member of Parliament (Mr. Vladislav Tretiak) and host surgical team members.



Dr. Adamson and Dr. Warner hosting the host team surgeons of the Kirtipur Burn and Cleft Hospital



Dr. Adamson at the entrance to the new OHNS ward of the Ulyanovsk Regional Pediatric Hospital with sign indicating the naming of the ward after him in recognition of our Face the Future mission work

The India Project

Dr. Ashlin Alexander, MD, BSc, FRCSC Dr. Jamil Asaria, MD, BSc, FRCSC

Drs. Ashlin Alexander and Jamil Asaria completed an 11-day mission from January 23, 2019 to February 2, 2019 to perform facial recon¬structive surgery in India. The team from FACE Toronto (Dr. Alexander, Dr. Donnelly (Anesthesia), and Dr. Asaria) travelled to two sites, Jaipur and rural Mumbai, where they treated patients with a variety of facial deformities ranging from untreated congenital deformities, facial burns, nasal reconstructions, and scar revisions. They joined pediatric facial plastic and reconstructive surgeons from the United States to provide pro bono

care to those with limited access to health care and specifically facial surgery. All travel arrange¬ments and supplies were sponsored by the doctors participating in the camp. This mission was orches¬trated by the India Project which is a charitable organization with a mandate to provide facial plastic and reconstructive surgery across India. In Jaipur, they performed complex surgeries including micro¬tia reconstructions at a tertiary care medical facility. In contrast, Drs. Alexander and Asaria worked out of a remote rural hospital with limited resources that was run by a group of nuns. Drs. Asaria, Alexan¬der, and Donnelly screened over 250 patients and performed a total of 46 surgeries.









Zanzibar Outreach Program

Dr. Ambrose Lee, MD, MSc, CCFP(EM), FRCSC

This program is a non-government organization founded in September 2006 by a group of Zanzibaris dedicated to improving the community's access to health care, clean water and education.

Dr. Ambrose Lee once again set off to Zanzibar from June 20, 2019 to July 7, 2019.



minor lumps and bumps. We will be taking a year off in 2019 but plan on bringing back a bigger surgical team in 2020. Please feel free to contact Dr. Lin for more information about joining the upcoming trips.



Kenya Mission

Dr. Vincent Lin, MD, FRCSC

We returned to Kenya again this year with Kenyarelief.org. Drs. Vincent Lin & Matthew Crowson joined the University of Michigan team from September 27 to October 7, 2018. During the trip, our team assessed and treated 423 patients and performed 70 surgeries. Some of the surgeries Drs. Lin and Crowson performed included subtotal thyroidectomies, lipoma resections, tympanoplasties, choanal polyp removals, pinna reconstructions and



Drs. Lin and Crowson with Ayesha Benjamin (Sunnybrook Nurse)





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presentations

Visiting Professorships and Invited Lectures

INTERNATIONAL MEETINGS

AFRICA

GORDON, K

2018 Oct Invited Speaker. Short Course on Cochlear Implants. ABC Hearing Clinic, Lilongwe, Malawi, Africa.

ARGENTINA

CAMPISI, P

2019 Apr Invited Speaker. Impact of HPV Vaccination in Canada, Recurrent Respiratory Papillomatosis: An International

Roundtable. World Congress of Pediatric ENT. Buenos Aires, Argentina.

2019 Apr Invited Speaker. Management of Sialorrhea in Children. World Congress of Pediatric ENT. Buenos Aires,

Argentina.

CHEPEHA, D

2018 Sept Invited Speaker. Master Course-Soft tissue reconstructive techniques in Head and Neck Surgery. 6th World

International Federation of Head and Neck Oncologic Societies (IFHNOS) Conference, Buenos Aires,

Argentina.

2018 Sept Invited Speaker. Instructional Course- Local Flaps in Head and Neck Reconstruction (Face/Lip Recon). 6th

World International Federation of Head and Neck Oncologic Societies (IFHNOS) Conference, Buenos Aires,

Argentina.

CUSHING, S

2019 Apr Invited Speaker. 1) What Cochlear Implants Have Taught Us About Development. 2) Congenital CMV and

Hearing Loss. 3) Bilateral BAHA: Benefit and Burden. World Congress of Paediatric ENT. Buenos Aires,

Argentina.

GILBERT, R

2018 Sept Invited Speaker. Midface Reconstruction. 6th World International Federation of Head and Neck Oncologic

Societies (IFHNOS). Buenos Aires, Argentina.

GULLANE, P

2018 Sept Invited Speaker. 6th World Congress of the International Federation of Head & Neck Oncologic Societies

(IFHNOS). Buenos Aires, Argentina.

2018 Sept Instructional Course Presentation, Local Flaps in Head & Neck Reconstruction. 6th World Congress of the

International Federation of Head & Neck Oncologic Societies (IFHNOS). Buenos Aires, Argentina.

2018 Sept Instructional Course Presentation. Soft Tissue Reconstructive Techniques in Head & Neck Surgery. 6th World

Congress of the International Federation of Head & Neck Oncologic Societies (IFHNOS). Buenos Aires,

Argentina.

2018 Sept Moderator. Masters of Surgery Session-Techniques of Radical Neck Dissection and Associated Complications. 6th World Congress of the International Federation of Head & Neck Oncologic Societies (IFHNOS). Buenos Aires, Argentina.

2018 Sept Moderator. Master of Surgery Session- Total Laryngectomy and Voice Rehabilitation. 6th World Congress of the International Federation of Head & Neck Oncologic Societies (IFHNOS). Buenos Aires, Argentina.

2018 Sept Panellist. Thyroid Cancer Tumour Board-Diagnosis and Work Up of Thyroid Cancer. 6th World Congress of the International Federation of Head & Neck Oncologic Societies (IFHNOS). Buenos Aires, Argentina.

Moderator. Salivary Cancer: Gaining Ground Through Continuing and Increasing Multidisciplinary and International Interaction. 6th World Congress of the International Federation of Head & Neck Oncologic Societies (IFHNOS). Buenos Aires, Argentina.

PAPSIN, B

2018 Sept

2019 Apr
Invited Faculty. 1) A 3-Dimensional Percept in the Absence of Fusion: What Cochlear Implants Have Taught us About the Developing Auditory System, 2) Hearing Preservation in Children After Cochlear Implantation (panel moderator), 3) New Indications: Revisiting Early Implantation, 4) Where it Goes and How it Gets There: The Electrode – Neural Interface (Cochlear Symposium), 5) Asymmetric / Single Sided Hearing Loss and the Effect on the Auditory System, 6) Panel on SSD (panellist), 7) Complicated Cochlear Re-Implantation. World

Visiting Professor. 1) New Concepts in Cochlear Implantation, 2) How to Stay out of Trouble in Cochlear Implantation, 3) Advanced Technical Considerations in Cochlear Implantation, 4) The Binaural System. Semana de la Cochlea – Bariloche, Argentina.

AUSTRALIA

CAMPISI, P

2018 Nov

2018 Oct Invited Lecture. Early effects of HPV vaccination on the incidence of RRP in Canada. 32nd International Papillomavirus Conference. Sydney, Australia.

GULLANE, P

2019 June Invited Keynote Speaker. Innovations and Creativity in Head & Neck Oncology: Lessons Learned-What Would Chris Think? Chris O'Brien Symposium- On the Shoulder of Giants. Sydney, Australia.

2019 June Invited Keynote Speaker. Salvage Surgery for Non-Surgical Treatment Failures: Oropharynx, Larynx/Hypopharynx, Chris O'Brien Symposium- On the Shoulder of Giants. Sydney, Australia.

AUSTRIA

HIGGINS, K

2019 Invited Faculty. Microvascular Reconstruction Course. Vienna, Austria.

Congress of Paediatric ENT. Buenos Aires, Argentina.

WITTERICK, I

2018 July

Invited Speaker. Basic Principles of Endoscopic CSF-Leak Repair, Endoscopic Medical Maxillectomy and Modifications, Invited Speaker: Endoscopic Treatment of Malignant Tumours, Transcribriform Approach and Management of Large Skull Base Defects. 54th Graz Course on Rhinosurgery, Graz, Austria.

CANADA (International Meetings In Canada)

WOLTER, N

2018 Oct

Invited Speaker. Anterior Laryngotracheal Reconstruction with Thyroid ala Graft In Humans. Toronto International Open Airway Surgery Course. Toronto, ON.

2018 Oct

Invited Speaker. Endoscopic and Open Repair of Laryngeal Clefts. Toronto International Open Airway Surgery Course. Toronto, ON.

CHILE

GANTOUS, A

2019 May

Visiting Professor. 1) Pearls in Revision Rhinoplasty, 2) Secondary Rhinoplasty: Management of the Severe Saddle Nose, 3) Neuromodulators and Facial Fillers, 4) My Surgical Approach to the Inferior Eyelid, 5) Incisionless Otoplasty, 6) Management of Facial Scars, 7) Clinical Cases in Rhinoplasty — Round Table Panellist. Il Course of Facial Plastic Surgery, Clinica Alemana. Santiago, Chile.

CHINA

WITTERICK, I

2018 Nov

Visiting Professor. Panel Moderator: Oral Cancer, Panellist: Thyroid Cancer, Panel Moderator: Multidisciplinary Management, Panellist: Salivary Gland Tumours, Panellist: Oropharynx Cancer, Panellist: Larynx Cancer, Keynote Lecture: Skull Base Tumours, Panellist: Skull Base Tumours, Keynote Lecture: Reconstructive Surgery, Panellist: Reconstructive Surgery. Current Concepts in Head and Neck Surgery & Oncology, Jointly presented by The International Federation of Head and Neck Oncologic Societies and the National Cancer Center/Cancer Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College. Beijing, China.

FRANCE

JAMES, A

2018 Nov Invited Speaker. Endoscopic Surgery of the Anterior Skull Base in Young Children. ENT Endoscopy. Nice,

France.

LIU, F-F

2018 Oct Invited Chair. Session 4 - Innovative Therapies. International Marie Sklodowska-Curie Meeting. Paris, France.

2018 Oct Invited Speaker. Metabolic Regulation of Dermal Fibroblasts Governs Skin Extracellular Matrix Homeostasis.

International Marie Sklodowska-Curie Meeting. France.

GERMANY

ASARIA, J

2018 Sept Invited Speaker. 1) Optimizing Periorbital Aesthetics with Volume Replacement - Fat Grafting and Hyaluronic

Acid, 2) Nonsurgical Approaches to Facial Rejuvenation and Reshaping, 3) Nasal Reconstruction. European

Academy of Facial Plastic and Reconstructive Surgery Meeting. Regensburg, Germany.

GANTOUS, A

2018 Sept Faculty. 1) Surgical Management of the Catastrophic Nasal Collapse. 2) Session Moderator, Round Table:

Rhinoplasty. European Academy of Facial Plastic and Reconstructive Surgery Meeting. Regensburg, Germany.

GILBERT, R

2018 Sept Invited Speaker. The Future of Reconstructive Surgery in the Head & Neck. European Association for Cranio

Maxillo Facial Surgery Congress. Munich, Germany.

HASSOUNEH, B

2018 Dec Panel Member: The Nasal Valve: Pearls in Assessment and Surgical Management. Somnoforum. Berlin,

Germany.

HONG KONG

CHEPEHA, D

2018 Nov Invited Speaker. Fibular Flap. 6th Head & Neck Dissection and Reconstruction Hands-on Course. Chinese

University of Hong Kong, Shatin, Hong Kong.

2018 Nov Invited Speaker. Microsurgical Techniques (nerve repair/vascular anastomosis). 6th Head & Neck Dissection

and Reconstruction Hands-on Course. Chinese University of Hong Kong, Shatin, Hong Kong.

2018 Nov Invited Speaker. Scapular/Parascapular System. 6th Head & Neck Dissection and Reconstruction Hands-on

Course. Chinese University of Hong Kong, Shatin, Hong Kong.

LIU, F-F

2018 Dec Invited Speaker. Translational Cancer Research in the Radiation Medicine Program. Sanming Project of

Medicine – The 2nd International Symposium on Specialist Education and Advances in Radiation Oncology,

University of Hong Kong - Shenzhen Hospital, Hong Kong.

INDIA

GILBERT, R

2018 Oct Invited Speaker. 1) Expert on Controversy: Targeted Therapy in Head and Neck Cancer – Hope or Hype, 2)

Creativity & Innovation in Head and Neck Reconstruction, The Art of Reconstructive Surgery. International

Federation of Head & Neck Oncologic Societies (IFHNOS). Kolkata, India.

WITTERICK, I

2018 Oct

Faculty. 1) Panel Moderator: Oral Cancer, 2) Panel Moderator: Multidisciplinary Panel with Emphasis on Oropharynx Cancer and Larynx Cancer, 3) Panellist: Salivary Gland Tumours, 4) Keynote Lecture: Skull Base Tumours, International Federation of Head & Neck Oncologic Societies (IFHNOS) World Tour Kolkata and the 18th National Meet of The Foundation for Head & Neck Oncology (FHNO). Kolkata, India.

IRELAND

PAPSIN, B

2018 Oct

Invited Speaker. 1) Wilde and Truth (Wilde Discourse), 2) Frogs and Flies: Language Acquisition in Humans (Keynote Address and the 59th Wilde Discourser). 59th Irish Otolaryngology Society Annual Meeting — Galgorm, Northern Ireland.

ISRAEL

CUSHING. S

2018 Oct

Invited Speaker. Session VII. ABI Outcomes; Vestibular Function in Cl. Balance and Hearing: What Cochlear Implants Have Taught Us About the Developing Vestibular System. The 10th International Symposium on Objective Measures in Auditory Implants. Tel Aviv. Israel.

DE ALMEIDA, J

2018 Nov

Keynote Invited Speaker. 1) A View From Above or From Below: Complementary Approaches to the Skull Base, 2) Transoral Robotic Surgery: Indications, Pearls, Pitfalls, 3) Sinonasal Malignancies: The Right Hammer for the Right Nail. Israeli Society for Head and Neck Surgery and Oncology. Kfar Blum, Israel.

GORDON. K

2018 Oct

Invited Speaker. Measuring Listening Challenges in Children Using Cochlear Implants. 10th International Symposium on Objective Measures in Auditory Implants. Tel Aviv, Israel.

PAPSIN, B

2019 May

Visiting Professor. 1) One is the Loneliest Number: Single-Sided Deafness in the Context of Vestibular and Auditory Development, 2) Diagnosis of Sensorineural Hearing Loss in Children: New Considerations. Single Sided Deafness Symposium. Tal Hashomer Hospital, Tel Aviv, Israel.

ITALY

CAMPISI, P

2019 Jun

Lettura Magistrale/Keynote Lecture. Fetal Surgery: Presente o Futuro? Clinical Immersion Sulle Faringoplastiche con Fili Barbed e Nuove Tecnologie Nella Chirurgia Tonsillare Dell'OSAS and Corso ECM, Universita' Campus Bio-Medico, Rome, Italy,

2019 Jun

Invited Speaker. Sindrome delle Apnee Ostruttive Notturne in Eta' Pediatrica. Clinical Immersion Sulle Faringoplastiche con Fili Barbed e Nuove Tecnologie Nella Chirurgia Tonsillare Dell'OSAS. Universita' Campus Bio-Medico. Rome, Italy.

2019 Mar Invited Speaker. Head and Neck Masses and Airway Problems. 8th International Course in Pediatric Airway.

Reggio Emilia, Italy.

GANTOUS, A

2018 Oct International Faculty. 1) Lower Lid Blepharoplasty, 2) International Faculty. Live Surgery Moderator, 3)

Secondary Rhinoplasty Panel Moderator, 4) Primary Open Septorhinoplasty: Live Surgical Case, 5) Primary Rhinoplasty Panel, 6) Pearls of Open Rhinoplasty. 7th International Course on Functional and Aesthetic

Surgery of the Nose. Imola (Bologna), Italy.

JAMES, A

2019 May Invited Speaker. Cholesteatoma Classification and Results. The International Otology Outcome Group.

Modena, Italy.

2018 Oct 6 Keynote Speaker. Choosing from Two Opposing Surgical Philosophies. Otorinolaringologia Negli Ospedali

Pediatrici Italiani, Una Cura Globale. Florence, Italy.

WITTERICK, I

2019 June Program Lead. Thyroid Cancer World Masters Round Table – Real Time Zoom Meeting (Buenos Aires and

Rome). World Congress on Thyroid Cancer 3.5. Rome, Italy.

2019 June Panel Moderator. Monitoring & Advanced Technology. Presenter(s): Witterick IJ, Randolph G. World Congress

on Thyroid Cancer 3.5. Rome, Italy.

2019 June Panel Moderator. Surgical Complications. Presenter(s): Witterick IJ, Haymart M. World Congress on Thyroid

Cancer 3.5. Rome, Italy.

2018 Nov Panel Moderator: Oral Cancer, Panellist: Thyroid Cancer, Panel Moderator: Multidisciplinary Therapy, Panellist:

Salivary Tumours, Panellist. Oropharynx Cancer, Panellist: Melanoma, Co-Moderator: Lunch Video Session, Keynote Lecture: Skull Base Surgery, Panellist: Skull Base Surgery, Keynote Lecture: Reconstructive Surgery, Panellist: Stump the Faculty. International Federation of Head and Neck

Oncologic Societies World Tour 2018. Milan, Italy.

KUWAIT

ASARIA, J

2018 Nov Invited Speaker. 1) Optimizing Periorbital Aesthetics with Volume Replacement - Fat Grafting and Hyaluronic

Acid. 2) Nonsurgical Approaches to Facial Rejuvenation and Reshaping, 3) Deep-Plane Facelift Technique and

Outcomes. Kuwait Facial Plastic Surgery Conference, Kuwait City, Kuwait.

IRISH, J

2018 Nov Speaker. 1) Neck Dissection: How I Do It, 2) Salivary Gland Malignancy, 3) Current Management of Thyroid

Nodules. Kuwait Head and Neck Cancer Conference. Kuwait City, Kuwait.

MEXICO

PAPSIN, B

2018 Aug

Keynote Address. A 3-Dimensional Percept in the Absence of Fusion: What Cochlear Implants Have Taught Us About the Developing Auditory System. 5th Latin American Pediatric Conference on Pediatric Audiology. Mexico City, Mexico.

PHILIPPINES

WITTERICK, I

2018 Oct

Panel Moderator: Oral Cancer, Panel Moderator: Thyroid Cancer, Panel Moderator: Multidisciplinary Management, Panellist: Salivary Gland Tumours, Keynote Lecture: Surgery of Oropharynx Cancer, Panellist: Oropharynx Cancer, Panellist: Larynx Cancer. Keynote Lecture: Skull Base Tumours, Panellist: Skull Base Tumours, Keynote Lecture: Reconstructive Surgery, Panellist: Reconstructive Surgery, Panellist: Stump the Faculty, Co-Moderator: How I Do It (Video Presentations). Philippine Society of Otolaryngology-Head and Neck Surgery 62nd Annual Convention and the International Federation of Head and Neck Oncologic Societies World Tour 2018. Manila, Philippines.

POLAND

CONRAD, K

2019 May

Invited Instructor. Instructing on Consultations and Surgery on Facial Plastic Surgery Patients. Cosmetic Surgery Centre. Sopot, Poland.

CUSHING, S

2019 May

Panellist. Transformation Within Pediatric Otology: Endoscopes, Implants and the Vestibular System. Politzer Society. Presenter(s): James AL, Cushing SL. Warsaw, Poland.

JAMES. A

2019 May

Panellist. Transformation Within Pediatric Otology: Endoscopes, Implants and the Vestibular System. Politzer Society. Presenter(s): James AL, Cushing SC. Warsaw, Poland.

PORTUGAL

GORDON, K

2019 May

Invited Keynote Speaker. The Importance of Bilateral and Spatial Hearing in Development: Evidence from Children with Bilateral and Asymmetric Hearing Loss. 14th European Federation of Audiology Society (EFAS) Congress, Lisbon, Portugal.

SINGAPORE

LE, T

2018 Sept

Keynote Speaker/Course Instructor. 8th Asian Pacific-Singapore Otology & Neurotology Skull Base Congress - Hearing Implant Masterclass, National University of Singapore, Changi General Hospital. Singapore.

SCOTLAND

JAMES, A

2018 Oct Invited Speaker. Skype Lecture: Endoscopic Ear Surgery in Children. Endoscopic Ear Surgery Cadaver Course.

Royal College of Surgeons of Glasgow, Scotland.

SPAIN

GORDAN, K

2019 May Invited Speaker. University of Salamanca Hearing Workshop. Salamanca, Spain.

2018 Nov Invited Keynote Speaker. The Importance of Bilateral Hearing on Brain Development. 40th Anniversary

Conference of the Confederacion Espanola de Familias de Personas Sordas (FIAPAS). Madrid, Spain.

PAPSIN, B

2019 June Invited Faculty. 1) Panellist: Future in Hearing Implants, 2) Panellist: Single-Sided Deafness: Initial

Experimental Findings, 3) Exploring Auditory System Plasticity After Cochlear Implantation: A Novel Central

Processing Strategy, 4) Panel Moderator: Bilateral Cochlear Implantation. GICCA 8th Congress of the

IberoAmerican Group of Cochlear Implants and Related Devices. Pamplona, Spain.

SOUTH AFRICA

GORDON, K

2018 Oct Invited Speaker. The Importance of Bilateral Hearing in Development: Implications for All Children. 4th World

Conference on Cochlear Implantation in Emerging Nations: under the auspices of GCIAN – the Global

Cochlear Implant Access Network. Cape Town, South Africa.

2018 Oct Invited Speaker. Hearing and Balance Impairments in Young Children. World Congress of Audiology. Cape

Town, South Africa.

PAPSIN, B

2018 Oct Visiting Professor. 1) Keynote Address: What Cochlear Implants Have Taught us About the Developing

Auditory System, 2) Invited Faculty: Understanding Balance in Children with Sensorineural Hearing Loss, 3) The Evolution of Endoscopic Otology, 4) Keynote Address: Cochlear Implantation in Children: Disruption and Disruptor. 54th South Africa ENT Congress/World Congress of Audiology / 4th World Congress on Cochlear

Implants in Emerging Countries. Cape Town, South Africa,

SWITZERLAND

ANDERSON, J

2019 Jan Invited Speaker. The Future: 3D Printing. Winter Days Laryngology. Crans Montana, Switzerland.

JAMES, A

2019 Mar Invited Speaker. Obliteration Prevents Recurrence: Is This True? Sharing the Territory. Villars, Switzerland.

TAIWAN

GULLANE, P

2019 May Keynote Speaker. Creativity and Innovation in Head & Neck Surgery: Lessons Learned-Imagine the Future.

106th Meeting of the Taiwan Society of Otorhinolaryngology-Head & Neck Surgery. Taichung City, Taiwan.

2019 May Presenter. Surgical Techniques and Developments in Radical Neck Dissection. 106th Meeting of the Taiwan

Society of Otorhinolaryngology-Head & Neck Surgery, Taichung City, Taiwan.

THE NETHERLAND

CUSHING, S

2019 Jan Keynote Speaker. Balance and Hearing: What Cochlear Implants Have Taught Us About the Developing

Vestibular System. Maastricht Vestibular Course. Vaal, NL.

UNITED ARAB EMIRATES

CUSHING. S

2019 Apr Invited Panellist. Atypical Paediatric Cl Cases – Surgical and Audiological Tips. Moderator: Al Telmesani L

Presenter(s): Roland T, Falcinoni M, Kozac F, Klenzner T, Elbadry M, Cushing SL. 16th Middle East

Otolaryngology Conference (ME-OTO). Dubai. UAE.

2019 Apr Invited Speaker. What Cochlear Implants Have Taught Us About the Developing Vestibular System. 16th

Middle East Otolaryngology Conference (ME-OTO). Dubai, UAE.

HASSOUNEH, B

2019 Apr Moderator. The Skin Envelope: The Thick, the Thin and the Damaged. Presenter(s): Basil Hassouneh, Paul

Nassif. Middle East Academy of Otolaryngology - Head & Neck Surgery. Dubai, UAE.

2019 Apr Moderator. Different Approaches and Aesthetic Goals for the Nose. Middle East Academy of Otolaryngology –

Head & Neck Surgery, Dubai, UAE.

2019 Apr Presenter. The Art of Facial Harmony: A Shift from Ethnic to Individual Rhinoplasty. Middle East Academy of

Otolaryngology – Head & Neck Surgery. Dubai, UAE.

PAPSIN, B

2019 Jan Invited Faculty. 1) Understanding Balance in Children with Sensorineural Hearing Loss 2) Electrode – Neural

Interface: Where it Goes and How it Gets There 3) Cochlear Implantation in Children with Single Sided

Deafness, 4) Cochlear Implants in Infant: Overcoming Barriers to Implantation. 9th Emirates

Otorhinolaryngology Audiology and Communications Disorders Congress. Dubai, UAE.

UNITED KINGDOM

GILBERT, R

2018 Oct Keynote Speaker. General Concepts of the Management of Head and Neck Cancer. European Head & Neck

Course. University of Birmingham. UK.

PAPSIN, B

2018 Oct

Visiting Professor. 1) Where it Goes and How it Gets There, 2) Candidacy in 2018, 3) Cochlear Implantation in Complex Children 4) Barriers to Early Implantation after Early Identification. Cochlear Workshop in Pediatric Cochlear Implantation. London, England.

UNITED STATES

ANDERSON, J 2019 Apr	Invited Speaker. Pitch Elevation by Web Creation. Laryngology Grand Rounds, Johns Hopkins Voice Centre GMBC, Baltimore, MD.
2019 Feb	Invited Speaker. Diagnostic Approaches to Laryngeal Symptoms for the Allergist. American Academy of Allergy Asthma & Immunology (AAAAI) Annual Meeting. San Francisco, CA.
ASARIA, J 2019 June	Invited Speaker. Optimizing Periorbital Aesthetics with Volume Replacement—Fat Grafting and Hyaluronic Acid. Vegas Cosmetic Surgery Meeting. Las Vegas, NV.
2019 June	Invited Speaker. Perspectives in Ethnic Rhinoplasty. Vegas Cosmetic Surgery Meeting. Las Vegas, NV.
2019 June	Invited Speaker. Advanced Dorsal Augmentation Techniques. Vegas Cosmetic Surgery Meeting. Las Vegas, NV.
2019 Apr	Invited Speaker. Role of the Columellar Strut Graft in Tip Support. Advances in Rhinoplasty Meeting. Orlando, FL.
2019 Apr	Invited Speaker. Vertical Dome Division: Indications and Avoidance of Pitfalls. Oral Presentation at the Advances in Rhinoplasty Meeting, Orlando, FL.
2018 Oct	Invited Speaker. Optimizing Periorbital Aesthetics with Volume Replacement—Fat Grafting and Hyaluronic Acid. American Academy of Facial Plastic and Reconstructive Surgery Fall Meeting. Dallas, TX.
2018 Oct	Invited Speaker. Facelift Decision-Making, Approaches and Techniques Panel. American Academy of Facial Plastic and Reconstructive Surgery Fall Meeting. Dallas, TX.
2018 Oct	Invited Speaker. Ethnic Rhinoplasty - Is There Such a Thing? Dorsal augmentation and tip definition techniques. American Academy of Facial Plastic and Reconstructive Surgery Fall Meeting. Dallas, TX.
2018 Oct	Invited Speaker. Dorsal and Caudal Reconstruction in Aesthetic Rhinoplasty. Oral Presentation at the American Academy of Facial Plastic and Reconstructive Surgery Fall Meeting, Dallas, TX.
CAMPISI, P 2019 Nov	Invited Speaker. What to do with the Drooling Child? American Academy of Pediatrics, Section on Otolaryngology – Head and Neck Surgery. Orlando, FL.
2018 Oct	Course Co-Instructor. Recurrent Respiratory Papillomatosis 2018: Update for Otolaryngologists. Presenter(s): P. Campisi, C. Derkay. American Academy of Otolaryngology-HNS Annual Meeting and OTO Expo. Atlanta, GA.

	SWAL MEETINGS (COMMISCO)
CHAN, Y 2019 June	Invited Speaker. Panellist: Revision Sinus Surgery – How to Do it and How to Avoid it, Panellist. Revision Sinus Surgery – Advanced and Revision Frontal Sinus Surgery – Cases and Discussion, Moderator: Scientific Abstracts III. RhinoWorld 2019. Chicago, IL.
2018 July	Invited Speaker. Panellist: Nasal Polyps, Our Nemesis, Panellist: Topical Therapies for Chronic Rhinosinusitis. American Rhinologic Society Summer Sinus Symposium. Seattle, WA.
CHEPEHA, D 2019 May	Invited Speaker. Debate: Reconstruction of Head and Neck Cancer Defects. Combined Otolaryngology Spring Meetings (COSM). Austin, TX.
2018 Oct	Invited Speaker. Management of the Difficult Wound Miniseminar. Microvascular Committee. American Academy of Otolaryngology- Head and Neck Surgery (AAO-HNSF) 2018 Annual Meeting. Atlanta, GA.
CUSHING, S 2019 June	Invited Panellist. New Radiologic Approaches for the Detection of Cholesteatoma: Implications for Endoscopic Ear Surgery. Presenter(s): Kakehata S, Patel N, Reinshagen K, Cushing SL, Abdul-Aziz D. World Congress on Endoscopic Ear Surgery 3.0. Boston, MA.
2019 June	Invited Panellist. Introducing the Endoscope to Your Private or Academic Practice: A Case Based Discussion. Presenter(s): Golub J, Reardon E, Wycherly B, Cushing SL, Jackson L. World Congress on Endoscopic Ear Surgery 3.0. Boston, MA.
2019 June	Invited Panellist. Pediatrics 2: Management of Complex Cholesteatoma. Presenter(s): Rivas A, Tong M, Anne S, Rivas J, Cui Y, Cushing SL. World Congress on Endoscopic Ear Surgery 3.0. Boston, MA.
2019 May	Keynote Speaker. Balance and Hearing: What Cochlear Implants Have Taught Us About the Developing Vestibular System. Paul H. Holinger Lecture. Ann & Robert H. Lurie Children's Hospital of Chicago. Northwestern University. Chicago, IL.
2019 Apr	Keynote Speaker. 1) Streamlined Approach to the Diagnostic Evaluation of the Child with Sensorineural Hearing Loss. 2) Balance & Hearing: What Cochlear Implants Have Taught us About the Developing Vestibular System. Grand Rounds. Department of Otolaryngology Head and Neck Surgery, Stanford, Lucile Packard Children's Hospital. Palo Alto, San Fransisco, CA.
2018 Oct	Invited Speaker. Balance and Hearing: What Cochlear Implants Have Taught Us about the Developing Vestibular System. Vestibular Dysfunction: Research to Rehabilitation. Knowles Hearing Center, Northwestern University. Evanston, IL.
DABDOUB, A	

Invited Speaker. Auditory Neuron Regeneration: Towards the Treatment of Hearing Loss. Wu Tsai 2019 Mar Neurosciences Institute and Department of Otolaryngology, Stanford University. Stanford, CA.

Spontaneous Hair Cell Regeneration in the Mammalian Cochlea and Vestibular System. Hearing Restoration 2018 Nov Project, annual consortium meeting. Seattle, WA.

DE ALMEIDA, J

2019 May Invited Speaker. Best of 2019: Practice Changing Clinical Trials. Annual American Head and Neck Society

Meeting. Austin, TX.

2019 Feb Invited Lecturer. My Worst Complication. North American Skull Base Society Annual Meeting. Orlando, FL.

ESKANDER, A

2018 Sept Invited Faculty and Panellist. Complex Mandibular and Maxillary Reconstruction

Head and Neck Microvascular Flap Fellow Bootcamp. Dayton, OH.

GANTOUS, A

2019 June Faculty. 1) Rhinoplasty in a Multi-Ethnic Society, 2) Correcting the Severe Saddle Deformity: Pearls & Pitfalls,

3) Session Moderator: Rhinoplasty II. Vegas Cosmetic Surgery 2019. Las Vegas, NV.

2019 Apr Faculty. 1) Management of the Severe Saddle Deformity, 2) The Alar-Columellar Deformity, 3) Major

Complications in Rhinoplasty Panel. Advances in Rhinoplasty 2019, American Academy of Facial Plastic and

Reconstructive Surgery. Orlando, FL.

2019 Jan Faculty. 1) The Social Concept of Beauty. Reaching New Peaks in Facial Plastic Surgery, 2) Ethnic

Rhinoplasty: The Challenge of Living in a Multicultural Society. Reaching New Peaks in Facial Plastic Surgery.

Beaver Creek, CO.

Faculty. Scar Revision. Rutgers New Jersey Medical School Biennial Facial Reconstructive Surgery Course. 2018 Oct

Newark, NJ.

Faculty. 1) Incisionless Otoplasty: Video Presentation, 2) Management of the Severe Saddle Nose Deformity. 2018 Oct

12th International Symposium of Facial Plastic Surgery. Dallas, TX.

GOLDSTEIN, D

2019 June Invited Speaker. Head and Neck Surgery in Older Patients. Otolaryngology-Head & Neck Surgery

Departmental Grand Rounds. New York University, NY.

Invited Speaker. What is Quality in Head and Neck Surgery, Moderator. Panellists: Shuman A, Weber R, Gourin 2019 May

C, Graboyes E. 2019 Combined Otolaryngology Spring Meetings (COSM). Austin, TX.

GORDON, K

2018 Dec Invited Speaker. Programming Cochlear Implants in Children with Multiple Challenges. Maximizing

Performance in Cochlear Implant Recipients-Programming Concepts Conference, NYU Langone Medical

Centre, New York City, NY.

2018 Sept Invited Speaker. Cochlear Implants in Children with Single Sided Deafness: Current SickKids' Experience.

Nemours Conference on Single Sided Deafness, Nemours/Al duPont Hospital for Children, Wilmington, DE.

JAMES, A

2019 June Invited Speaker. 1) Panel Moderator: International Otology Outcome Group: The Future of Cholesteatoma

Research and Care, 2) Panel Moderator: New Perspectives in Endoscopic Myringoplasty and Tympanoplasty,

3) Panellist: New Grafting Materials in Endoscopic Tympanoplasty, 4) Panellist: How Can we Improve

Endoscopic Ear Instrumentation? World Congress Endoscopic Ear Surgery 3. Boston, MA.

2019 May	Panellist. Management of Retraction Pockets and Early Cholesteatoma in Children: When, How, and With What? American Society Pediatric Otolaryngology Annual Meeting. Austin, TX.
2019 Apr	Invited Speaker. Endoscopic Middle Ear Anatomy. Harvard Endoscopic Ear Surgery Course. Boston, MA.
LEE, J 2019 June	Invited Speaker. 1) Moderator: Radical Surgery of the Maxillary and Sphenoid Sinus, 2) Mini-Nasoseptal Flap for Recalcitrant Sphenoid Sinusitis, 3) Scientific Session Moderator. American Rhinologic Society Spring Meeting at RhinoWorld. Chicago, IL.
2018 Oct	Invited Panellist and Speaker. Management of Chronic Rhinosinusitis in Systemic Inflammatory or Genetic Diseases. American Academy of Otolaryngology-Head & Neck Surgery Annual Meeting. Atlanta GA.
LIU, F-F 2019 Mar	Invited Speaker. Translational Oncology Research in Radiation Medicine. University of Cincinnati Cancer Institute (UCCI), Cincinnati, OH.
2019 Mar	Visiting Professor. The Role of Metabolism in Mediating Radiation Fibrosis. University of Cincinnati Cancer Institute (UCCI), Cincinnati, OH.
2018 Oct	Invited Moderator. Burnout and Work-Life Balance in Radiation Oncology, Panel 15 - (Interactive). 2018 American Society for Radiation Oncology (ASTRO) Annual Meeting, Henry B. Gonzalez Convention Center, San Antonio, TX.
MARTINO, R 2019 Mar	Keynote Speaker. Evaluation of Dysphagia at the Bed-Side: An In-Depth Review of Clinico-Pathological Correlations and the Next Steps. Dysphagia Research Society (DRS) Annual Meeting, San Diego, CA.
2018 July	Invited Speaker. 1) Swallow Screening: Purposefully Different from an Assessment - Sensitivity & Specificity Related to Clinical Yield, Interprofessional Roles, Patient Selection, 2) Neurogenic Dysphagia: Identification of Risk. Charleston Swallowing Conference. Evanston, IL.
PAPSIN, B 2019 May	Invited Faculty. Panellist: Diagnosis and Management of Pediatric Congenital Sensorineural Hearing Loss. Triologic Society Meeting at COSM. Austin, TX.
2019 Apr	Otolaryngology Unity Summit (representing the American Society of Pediatric Otolaryngology as President). Washington, DC.
2019 Jan	Invited Speaker. Panellist. Pediatric Multidisciplinary Teams: Cochlear Implantation. Triological Society. Coronado Island, CA.
2018 Oct	Invited Speaker. Implants in Children: New Concepts (Instruction Course). American Academy of Otolaryngology-Head and Neck Surgery Annual Conference. Atlanta, GA.
2018 Aug	Visiting Professor. Cochlear Implants From a Surgeon's Perspective (Keynote address), 2) The Effective Scientific Presentation. Cochlear Latin Americas Conference. Miami Beach, FL.

2018 July Invited Faculty. 1) Panellist: Pediatric Otolaryngology: Learning from our Mistakes, 2) Panel Moderator:

Otology: Evolution of Teachers and Learners Throughout a Career, 3) Cochlear Implantation in Children with Single Sided Deafness (In Mini-Seminar on Implantable Hearing Devices in Children). Frontiers in Pediatric

Otolaryngology. Vail, CO.

PROPST, E

2018 Dec Invited Speaker. Tracheostomy and Airway Reconstruction Surveillance. Presenter(s): Evan Propst, Michael

Rutter, Steven Goudy, Christopher Baker. 6th Annual Meeting Contemporary Management of Aerodigestive

Disease in Children. Nashville, TN.

WITTERICK, I

2019 June Invited Speaker. 1) Surgical Simulation, 2) Measuring Quality and Outcomes in Endoscopic Sinus Surgery for

Chronic Rhinosinusitis. RhinoWorld Chicago. Chicago, IL.

2019 Apr Visiting Professor. Surgical Management of Skull Base Tumours. Memorial Sloan-Kettering Cancer Center.

New York, NY.

2019 Feb Invited Speaker. Role of Surgery Including Endoscopy for T4b Skull Base Tumours. 29th Annual Meeting of

the North American Skull Base Society. Orlando, FL.

2019 Feb Moderator. Skull Base Team Match 2. 29th Annual Meeting of the North American Skull Base Society.

Orlando, FL.

2019 Feb Invited Speaker. Fireside Chat. 29th Annual Meeting of the North American Skull Base Society. Orlando, FL.

NATIONAL MEETINGS

ALBERTA

BRANDT, M

2019 June Invited Speaker. 1) Panel Discussion Chair: Complications, Pearls & Pitfalls in Facial Reconstruction, 2)

Workshop Leader: Adding Neurotoxin and Filler to Your Practice. Annual Meeting of the Canadian Society of

Otolaryngology – Head & Neck Surgery. Edmonton, AB.

CAMPISI, P

2019 June Workshop. See One, Do One, Teach One: How Can we Improve Perioperative Technical Skills Education and

Acquisition? Canadian Society of Otolaryngology – Head & Neck Surgery Annual Meeting.

CHAN, Y

2019 June Invited Speaker. 1) Panellist: Mentorship in Otolaryngology – Head & Neck Surgery: Improving Ourselves and

Our Colleagues, 2) Panellist: See One, Do One, Teach One: How Can We Improve Perioperative Technical Skills Education and Acquisition. 3) Moderator. General Otolaryngology Paper Session. Canadian Society of

Otolaryngology-Head & Neck Surgery Annual Meeting. Edmonton, AB.

CHEPEHA, D

2019 June Course Faculty. Your Journal of OTOHNS- Submit, Review and Get Involved Abstract Workshop. Canadian

Society of Otolaryngology-Head & Neck Surgery Annual Meeting. Edmonton, AB.

CUSHING, S

2019 Mar Invited Speaker. 1) Ask the Expert: Balance and Hearing, 2) What Cochlear Implants Have Taught Us About

the Developing Vestibular System, 3) Single Sided Deafness: What it Has Taught Us About the Evaluation, Management and Outcomes in Children with SNHL. Annual Meeting of the Alberta Society of Otolaryngology-

Head & Neck Surgery. Lake Louise, AB.

GOLDSTEIN, D

2019 June Invited Speaker. Impact of ATA Guidelines Changes on Management of Thyroid Cancer. Current Concepts in

Thyroid and Parathyroid Surgery - Instructional Course. Canadian Society of Otolaryngology-Head & Neck

Surgery Annual Meeting. Edmonton, AB.

LIN, J

2019 June Invited Panellist. Proton Pump Inhibitors: Current State of Affairs. Canadian Society of Otolaryngology-Head &

Neck Surgery Annual Meeting. Edmonton, AB.

LIN, V

2019 June Panellist. Unusual Cochlear Implant Cases. Canadian Society of Otolaryngology - Head & Neck Surgery

Annual Meeting. Edmonton, AB.

WITTERICK, I

2019 May Invited Lecturer. Approaches to Recurrent Laryngeal Nerve Identification During Surgery. Current Concepts in

Thyroid and Parathyroid Surgery. Edmonton, AB.

MANITOBA

CHAN, Y

2018 July Invited Speaker. 1) Surgical Planning/Preoperative CT Review, 2) Selecting the Surgical Patient. 16th Annual

Canadian Otolaryngology Resident Sinus Course. Winnipeg, MB.

LEE, J

2018 July Invited Guest Faculty. 1) Peri-Operative Care of the Sinus Patient, 2) Endoscopic Anatomy of the Lateral Nasal

Wall, 3) Demonstration Dissector: Maxillary Antrostomy, Total Ethmoidectomy, Sphenoidotomy. 16th Annual

Canadian Otolaryngology Resident Sinus Course. Winnipeg, MB.

NOVA SCOTIA

BRANDT, M

2019 Jan Invited Speaker. 1) Facial Trauma for the Otolaryngologist – Head & Neck Surgeon. 2) Rhinoplasty: The Basics

for the Royal College Examination, 3) Preparing for the Royal College Oral Examination in Facial Plastic &

Reconstructive Surgery. Annual Otolaryngology – Head & Neck Surgery Review Course. Halifax, NS.

ONTARIO (National Conferences held in Ontario)

BRANDT, M

2018 Nov Panellist. Case-Based Panel Discussion: Skin Cancer. Current Concepts in Head and Neck Surgery. Toronto,

ON.

CHEPEHA, D

2018 Nov Invited Panellist. Q&A: Sentinel Node Biopsy in Oral Cavity Cancer. Current Concepts in Head and Neck

Surgery. Li Ka Shing, St. Michael's Hospital, Toronto, ON.

2018 Nov Invited Speaker. Local Flaps in Skin Cancer. Current Concepts in Head and Neck Surgery. Li Ka Shing, St.

Michael's Hospital, Toronto, ON.

2018 Nov Course Faculty. Current Concepts in Head and Neck Surgery. Sentinel Node Biopsy in Oral Cavity Cancer.

University Health Network, Toronto, ON.

CUSHING, S

2019 Jan Lecturer. Paediatric Otolaryngology. Canadian Paediatric Review Program. Hamilton, ON.

DABDOUB, A

2019 Mar Invited Presenter. Inner Ear Biomarker Discovery and Quantification in Patients Suffering from Hearing Loss.

Ontario Institute of Regenerative Medicine in partnership with Boehringer Ingelheim Pitch Day. Toronto, ON.

DE ALMEIDA, J

2019 May Invited Speaker. 1) Neo-Adjuvant Chemotherapy for Organ Preservation for Sinonasal Cancer, 2) Guided

Management of the Contralateral Neck in HPV Positive Oropharyngeal Cancer. Canadian Cancer Trials Group

Annual Meeting. Toronto, ON.

2018 Nov Invited Speaker. 1) New Frontiers in Robotic Surgery. 2) Video Presentation: Marginal Mandibular Nerve

Dissection, 3) Debate: Cost Effectiveness for Molecular Testing for Indeterminate Thyroid Nodules. Current

Concepts in Head and Neck Surgery. Toronto, ON.

ENEPEKIDES, D

2018 Nov Panel Moderator. Case-Based Panel Discussion: Skin Cancers. Current Concepts in Head and Neck Surgery.

Toronto, ON.

ESKANDER, A

2018 Nov Invited Speaker. HPV – Implications for Head & Neck Cancer. Current Concepts in Head & Neck Surgery.

Toronto, ON.

GOLDSTEIN, D

2018 Nov Invited Speaker. Active Surveillance in Thyroid Cancer. Current Concepts in Head and Neck Surgery. Toronto,

ON.

GULLANE, P

2018 Nov Panellist. Case-Based Panel Discussion: Thyroid and Parathyroid. Current Concepts in Head and Neck

Oncology. Toronto, ON.

2018 Oct Presenter. Cricotracheal Resection, 5th International Airway Course, Toronto, ON.

IRISH, J

2018 Nov Invited Speaker. 1) Moderator: Skin Cancer Session, 2) Panellist: Stump the Faculty, 3) Speaker: How I Do It:

Sentinel Lymph Node Biopsy. Current Concepts in Head and Neck Surgery Toronto, ON.

LIN, J

2018 Nov Invited Speaker/Faculty. 2) Laryngeal Lesion: When to Biopsy, When to Watch? 2) Management Options for a

Paralyzed Vocal Fold. Current Concepts in Head and Neck Surgery. Toronto, ON.

VESCAN, A

2018 Nov Presenter. Endoscopic Management of Benign Sinonasal Tumours. Current Concepts in Head and Neck

Surgery. Toronto ON.

QUEBEC

BRANDT, M

2019 May Invited Speaker. Adding Neurotoxin to Your Practice. 2019 Annual McGill Facial Plastic & Reconstructive

Surgery Course. McGill Department of Otolaryngology – Head and Neck Surgery. Montreal, QC.

2019 May Invited Speaker. Scar Revision. 2019 Annual McGill Facial Plastic & Reconstructive Surgery Course. McGill

Department of Otolaryngology – Head and Neck Surgery. Montreal, QC.

GORDON, K

2018 Aug Invited Speaker. Music Appreciation and Perception in Children with Cochlear Implants Reveals

Developmental Plasticity. 2nd International Music and Cl Symposium. Montreal, QC.

PROPST, E

2018 Nov Invited Speaker. 1) Cricotracheal Resection, 2) Endoscopic Airway Emergency Case Presentations. McGill and

Western Endoscopic Airway Course. Montreal, QC.

PROVINCIAL/LOCAL MEETINGS

ANAND. S

2019 March Invited Speaker. 1) Epistaxis. 2) Nasal Obstruction/masses. University of Toronto Department of Family &

Community Medicine Resident Academic Seminar Day. Toronto, ON.

ASARIA, J

2018 Nov Invited Speaker. Advanced Injectable Techniques—Forehead, Nose, and Jawline. Oral Presentation and Live

Injection at the Canadian Academy of Aesthetic Medicine Annual Conference. Toronto, ON.

2018 Nov Invited Speaker. Approach to Facial Injectables. Oral Presentation and Cadaver Course at the University of

Toronto Resident Injectables Course. Toronto, ON.

2018 July Invited Speaker. 1) Full Face Approach to Facial Reshaping. 2) Non-Surgical Rhinoplasty. Institute of Cosmetic

Laser and Surgery. Oakville, ON.

2018 July	Invited Speaker. Full Face Approach to Facial Reshaping in Men. Merz Institute of Advanced Aesthetics Cadaver Lab and Facial Dissection Workshop. Toronto, ON.
BRANDT, M 2019 Feb	Invited Speaker. 1) Panel Chair: Case-Based Panel Discussion: Interesting Cases. 2) Panellist: In Office Sterilization and Protocols: Lessons Learned from Public Health. Annual Otolaryngology-Head & Neck Surgery Update. Toronto, ON.
CAMPISI, P 2019 June	Invited Speaker. SLP 1525 Graduate Course. Pediatric Voice Disorders. University of Toronto, Toronto, ON.
2019 Mar	Invited Speaker. CBD Webinar Series: Program Director Guide to Transformation. Faculty of Medicine, University of Toronto. Toronto, ON.
2018 Dec	Webinar: HPV and Juvenile Onset RRP: The Importance of Advocating for Vaccination. Nurse Practitioners' Association of Ontario. Toronto, ON.
2018 Nov	Course Co-Instructor. Fetal Therapy Simulation Course. Fetal Medicine Unit, Mt. Sinai Hospital, University of Toronto. Toronto, ON.
2018 Oct	Invited Speaker. CIDC Webinar. HPV and RRP: Why do we Need to do More to Prevent Recurrent Respiratory Papillomatosis. Toronto, ON.
2018 July	Invited Speaker. PREP Camp Phase 1 Lecture Series. Surgical Airway. Toronto, ON.
CHAN, Y 2019 May	Invited Speaker. Starting Your Surgical Practice. McMaster University Residency Teaching Session. Hamilton, ON.
2019 May	Invited Speaker. Evaluation of Thyroid Nodules. Trillium Health Partners Family Practice Grand Rounds. Mississauga, ON.
2019 Apr	Course Instructor. Resident Sinus Course. University of Toronto, Toronto, ON.
2019 Mar	Moderator. Women Leaders in Ophthalmology and Otolaryngology. Combined Faculty Development Rounds Dept Ophthalmology, Dept Otolaryngology. University of Toronto, Toronto, ON.
2019 Feb	Invited Speaker. Diseases of the Maxillary Sinus. Faculty of Dentistry Oral Pathology Course. Toronto, ON.
2018 Nov	Invited Speaker/Moderator. Gender Diversity in Medicine. Dept of Medicine, Surgery, and Otolaryngology Faculty Development Day. University of Toronto, Toronto, ON.
2018 Sep	Instructor. 7th Annual Emergencies in Otolaryngology – Head & Neck Surgery Bootcamp. Western University. London, ON.

CHEPEHA, D

2018 Oct Invited Speaker. Sentinel Node for Oral Cavity Carcinoma: An Understudied Intervention. Grand Rounds.

Toronto, ON.

CHIODO, A

2019 June Invited Speaker. Mentorship Opportunities for Students Interested in Medicine: The Lang Scholarship.

Colborne Dinner, Upper Canada College. Toronto, ON.

2019 Apr Invited Speaker. Management of Rhinitis and Sinusitis. Resident Lecture Series. Department of Family

Medicine, Michael Garron Hospital. Toronto, ON.

CUSHING, S

2018 Dec Invited Speaker. Pediatric Otolaryngology Head & Neck Surgery. Faculty of Medicine, Dept of Pediatrics.

Hospital for Sick Children. Paediatric Royal College Review Lecture Series: Otolaryngology. Toronto, ON.

2018 Oct Invited Speaker. Vestibular Impairment in Children with Sensorineural Hearing Loss: Bearing a Load. 21st

Canadian Academy of Audiology Conference and Exhibition. Niagara Falls. ON.

DABDOUB, A

2018 Dec Invited Speaker. Endogenous Regeneration of Auditory Neurons for the Treatment of Hearing Loss. Gene and

Cell Therapy. 3rd Annual Medicine by Design Symposium. Toronto, ON.

DAVIDS, T

2019 Feb Invited Guest. Paradoxic Vocal Fold Dysfunction. Division of Pediatric Respirology. Morbidity and Mortality

Rounds. Toronto, ON.

2019 Feb Invited Guest. Panellist: Difficult Cases Panel. University of Toronto, Otolaryngology-Head & Neck Surgery

Update. Toronto, ON.

DE ALMEIDA, J

2019 May Invited Speaker. 1) The Landscape of Surgical Trials. 2) Panellist: Clinical Trials in Head and Neck. 21st

Annual Wharton/Elia Day. Toronto. Ontario.

DRUKER, S

2019 Apr Invited Speaker. Impact of Hearing Loss in the Pediatric Oncology Population. Pediatric Oncology Group of

Ontario (POGO) Nursing Rounds. Toronto, ON.

ESKANDER, A

2019 June Invited Speaker. HPV – Implications for Head & Neck Cancer. Canadian Association of Hospital Dentists.

Toronto, ON.

2019 May Invited Speaker. Oropharynx Cancer: What Does Sex Have to do With it. Head and Neck Cancer Patient

Education Day, Toronto Central, Sunnybrook Regional Cancer Centre. Toronto, ON.

2019 Mar Invited Speaker. American Joint Committee on Cancer (AJCC) Update for High Risk Non-Melanoma Skin

Cancer and Regional Staging. Toronto Central Regional Cancer Program – Update on Skin Cancer. Toronto,

ON.

2019 Feb Invited Speaker. Head and Neck Cancer of Unknown Primary and Oropharyngeal Squamous Cell Carcinoma:

Staging and Treatment Guideline Updates. Lakeridge Health System Otolaryngology – Head & Neck Surgery

Rounds. Oshawa, ON.

2018 Oct Invited Speaker. Challenges Faced by Recent Graduates in Otolaryngology – Head & Neck Surgery:

Fellowship, Employment and Early Practice Patterns. Departmental Grand Rounds. University of Toronto,

Department of Otolaryngology – Head & Neck Surgery. Toronto, ON.

GANTOUS, A

2019 Mar Invited Lecturer. Neuromodulators and Facial Fillers. Oral and Maxillo-Facial Surgery Teaching Rounds,

Faculty of Dentistry. University of Toronto. Toronto, ON.

GEVORGYAN, A

2019 Feb Relativity Issues: Working Hour Logs. The 17th Annual Otolaryngology-Head & Neck Surgery Update.

Department of Otolaryngology – Head & Neck Surgery. Toronto, ON.

GILBERT, R

2019 May Invited Faculty. Vascular Augmentation for Cervical Esophageal Replacement. American Association for

Thoracic Surgery Annual Meeting. Toronto, ON.

GOLDSTEIN, D

2019 May Faculty. Moderator: Ongoing Trials and Future Strategies. 21st Annual Wharton/Elia Day, Toronto, ON.

2019 Mar Invited Speaker. If it is Such a Good Cancer Why Operate? Lakeridge Health Otolaryngology-Head & Neck

Surgery Rounds. Toronto, ON.

2018 Nov Invited Speaker. Quaternary Prevention in Oncology. Oncology Grand Rounds. Grand River Cancer Centre,

Kitchener, ON.

2018 Nov Active Surveillance in Thyroid Cancer. Annual Al Driedger Lecture and Thyroid Cancer Symposium. London

Health Science Centre. London, ON.

GULLANE, P

2019 May Invited Speaker. Opening Remarks on Advancing Head & Neck Cancer Management Through Clinical Trials.

21st Annual Wharton Day. Toronto, ON.

2018 Oct Invited Speaker. Management of Glottic and Subglottic Tracheal Stenosis. Core Teaching Presentation-

Department of Otolaryngology-Head & Neck Surgery, University Health Network. Toronto, ON.

LAUGHLIN, S

2019 Feb Invited Speaker. Pediatric Head & Neck Masses. Department of Otolaryngology-Head & Neck Surgery Core

Teaching. University of Toronto. Toronto, ON.

LEE, J

2018 Nov Invited Speaker. Chronic Rhinosinusitis: An Evidence Based Review. The 3rd Annual West GTA Respirology

Day. Mississauga, ON.

2018 July	Invited Speaker. Chronic Rhinosinusitis: An Evidence Based Review. Journal Club of Chinatown Physicians Summer Symposium. Toronto, ON.			
LIM I				
LIN, J 2019 June	Invited Speaker/Faculty: Benign Vocal Fold Lesion and Phonomicrosurgery. Voice Symposium. The Ontario Association of Speech-Language Pathologists and Audiologists (OSLA). Toronto, ON.			
2019 June	Invited Panellist: Difficult Cases. Voice Symposium. Presenter(s): Tapson M, Lin RJ, Merrick G, Deluca M. The Ontario Association of Speech-Language Pathologists and Audiologists (OSLA). Toronto, ON.			
2019 Mar	Invited Speaker. Panellist: Subglottic and Tracheal Stenosis. Department of Otolaryngology-Head & Neck Surgery, University of Toronto Grand Rounds. Toronto, ON.			
2019 Feb	Invited Speaker/Faculty. 1) Pertinent Speech Therapy Approach to Common Laryngological Conditions, 2) Panellist: Difficult Cases. Presenter(s): Witterick I, Lin RJ, Davis T, Brandt M. Otolaryngology-Head & Neck Surgery Update. Toronto, ON.			
LIN, V 2019 May	Invited Speaker. The Role of Deafness in the Development of Dementia. Poliquin Research Day, Department of Otolaryngology – Head & Neck Surgery, University of Ottawa. Ottawa, ON.			
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LIU, F-F 2019 May	Invited Speaker. Professional Advisors Appreciation Luncheon. The Princess Margaret Cancer Foundation. Toronto, ON.			
2019 Apr	Invited Speaker. Ontario Medical Association (OMA) - Schulich Physician Leadership Development Program. Schulich School of Business. Toronto, ON.			
2019 Apr	Invited Speaker. Team Scotiabank - Princess Margaret Cancer Foundation Representative. Princess Margaret Cancer Centre. Toronto, ON.			
2019 Apr	Invited Speaker. Research & Conflict of Interest. Cancer Research: The Big Picture (Finances & COI), STARS21 Brainstorming Session. Toronto, ON.			
2019 Mar	Invited Speaker. Princess Margaret Cancer Centre - Ride to Conquer Cancer Fundraising Impact. Ride to Conquer Cancer Princess Margaret Cancer Centre Tour. Toronto, ON.			
2019 Mar	Invited Speaker. The Future of Cancer Care - International Women's Day. Princess Margaret Speaker Series, Princess Margaret Cancer Centre. Toronto, ON.			
2019 Jan	Invited Speaker Panellist. Pathways in Medicine Panel. Catalyst for Change, Women in Science and Engineering (WISE) National Conference 2019. Toronto, ON.			
2018 Oct	Invited Speaker. Keynote: Targeting Cancer Therapies Among the Chinese Population in North America. "Optimizing Health Amongst North American Chinese" 19th International Conference on Health Care of the Chinese in North America, Chinese Canadian Medical Societies (CCMS), Federation of Chinese American and			

Canadian Medical Societies (FCMS). Markham, ON.

2018 Oct Invited Speaker. The CEO Relationship. Essentials of Hospital Governance for New Directors, Ontario Hospital

Association. Toronto, ON.

PROPST, E

2019 June Invited Speaker. Everything You Wanted to Know About Sleep Apnea and Respiratory Problems But Were

Afraid to Ask. Canadian Paediatric Society Annual Conference. Toronto, ON.

WITTERICK, I

2019 May Invited Speaker. Surgical Procedures in Otolaryngology-Head & Neck Surgery, Perioperative Nursing

Education Day, Sinai Health System. Toronto, ON.

2019 Feb Faculty. Panellist: Ask an Expert Panel/Audience Discussion: Management of Difficult Cases in

Otolaryngology. Presenter(s): Brandt M (moderator), Davids T, Lin J, Witterick IJ. 7th Annual Otolaryngology-

Head & Neck Surgery Update 2019, University of Toronto, Toronto, ON.

2018 Oct Grand Rounds Presenter. Challenges Faced by Recent Graduates in Otolaryngology-Head & Neck Surgery;

Fellowship, Employment and Early Practice Patterns. Presenter(s): Eskander A and Witterick IJ. Department of

Otolaryngology-Head & Neck Surgery, University of Toronto, Toronto, ON.

2018 Sept Grand Rounds Presenter. State of the Union. Department of Otolaryngology-Head & Neck Surgery, University

of Toronto. Toronto, ON.

Papers Presented at Conferences/Society Meetings

INTERNATIONAL MEETINGS

ARGENTINA

DE ALMEIDA. J

2018 Sept

Diagnostic Performance and Timing of Post-Treatment 18F-FDG PET/CT for Head and Neck Cancer Surveillance: A Meta-Analysis of Reported Studies. Presenter(s): Wong E, Dmytriw A, Yu E, Lu L, Fazelzad R, de Almeida J, Waldron J, Veit-Haiback P, O'Sullivan B, Huang SH. 6th World International Federation of Head and Neck Oncologic Societies (IFHNOS) Conference. Buenos Aires, Argentina.

CANADA (International Meetings in Canada)

CUSHING, S

2019 May

Hearing Loss and Falls: Characterizing the Link Between Age-Related Hearing Loss and Loss of Vestibular Sensitivity. Presenter(s): Gabriel G, Gnanasegaram J, Harris L, Cushing SL, Gordon KA, Pichora-Fuller MK, Haycock B, Campos J. International Hearing Loss Conference (poster). Niagara Falls, ON.

2019 May

Do Cochlear Implants Restore Bilateral Cortical Representation in Children With Single Sided Deafness? Presenter(s): Lee HJ, Smieja D, Polonenko M, Cushing SL, Papsin B, Gordon KA. International Hearing Loss Conference (poster). Niagara Falls, ON.

2019 May

Functional Deficits in Children who Receive Simultaneous Bilateral Cochlear Implants and Children who have Single-Sided Deafness. Presenter(s): McSweeny C, Cushing SL, Campos J, Papsin B, Gordon KA. International Hearing Loss Conference (poster). Niagara Falls, ON.

DABDOUB, A

2019 May

Connecting the Cochlea to the Brain: Development and Regeneration of the Primary Auditory Neurons (keynote). International Hearing Loss Conference. Niagara Falls, ON.

ENEPEKIDES, D

2019 Sept

Assessing the Impact of Cancer Care Ontario's Psychosocial Oncology & Palliative Care Pathway for Head and Neck Cancer Patients: Are High Edmonton Symptom Assessment System Scores Predictive of Unplanned Emergency Room Visits? IPOS/CAPO World Congress of Psycho-Oncology Banff 2019. Banff, AB.

2019 Sept

Assessing the Impact of Cancer Care Ontario's (CCO) Psychosocial Oncology & Palliative Care (PSO&PC) Pathway for Head and Neck Cancer Patients: Does Rate of Physician Documentation Correlate with Unplanned Emergency Room Visits? IPOS/CAPO World Congress of Psycho-Oncology Banff 2019. Banff, AB.

GORDON, K

2019 May

Hearing Loss and Falls: Characterizing the Link Between Age-Related Hearing Loss and Loss of Vestibular Sensitivity. Presenter(s): Gabriel G, Gnanasegaram J, Harris L, Cushing S, Gordon K, Pichora-Fuller K, Haycock B, Campos J. International Hearing Loss Conference (poster). Niagara Falls, ON.

2019 May Functional Deficits in Children who Receive Simultaneous Bilateral Cochlear Implants and Children who have

Single Sided Deafness. Presenter(s): McSweeny C, Cushing S, Campos J, Papsin B, Gordon K. International

Hearing Loss Conference. Niagara Falls, ON.

2019 May Do Cochlear Implants Restore Cortical Representation in Children with Single Sided Deafness? Presenter(s):

Lee H, Smieja D, Polonenko M, Cushing S, Papsin B, Gordon K. International Hearing Loss Conference

(poster). Niagara Falls, ON.

2019 May Evaluating the Effect of Test Environment Using the Digits-in-Noise Test. Presenter(s): Shanmugalingam K,

McLennan J, Negandhi J, McKnight C, Gordon K. International Hearing Loss Conference (poster). Niagara

Falls, ON.

PAPSIN, B

2019 May Do Cochlear Implants Restore Bilateral Cortical Representation in Children with Single Sided Deafness?

Presenter(s): Lee HJ, Smieja D, Polonenko M, Cushing SL, Papsin B, Gordon KA. International Hearing Loss

Conference (poster). Niagara Falls, ON.

2019 May Functional Deficits in Children who Receive Simultaneous Bilateral Cochlear Implants and Children who have

Single-Sided Deafness. Presenter(s): McSweeny C, Cushing SL, Campos J, Papsin B, Gordon KA.

International Hearing Loss Conference (poster). Niagara Falls, ON.

FRANCE

WOLTER, N

2018 Nov Endoscopic Surgery of the Anterior Skull Base in Young Children. ENT Endoscopic 2018. Nice, France.

Presenter(s): Adrian James. Collaborator: Nikolaus E Wolter.

GERMANY

PROPST, E

2019 July Design of a Simulator for Surgical Training in Tracheostomy and Advanced Open Airway Surgery. Presenter(s):

Deonarain A, Looi T, Harrison RV, Gordon KA, Agur A, Wolter NE, Propst EJ. 41st Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC'19). Berlin, Germany.

INDIA

LAUGHLIN, S

2018 Nov Utility of Testing for Prothrombic Disorders in Children with Periventricular Venous Infarction (PPVI).

Presenter(s): Mandel-Shorer N, MacGregor DL, Laughlin S, Brandao L, Dlamini N, deVeber G, Moharir M.

International Child Neurology Congress 2018. Mumbai, India.

ISRAEL

GORDON, K

2018 Oct

Speech Evoked Frequency Following Responses to Assess Bilateral Processing in Children with Hearing Loss. Presenter(s): Gordon KA, Alemu R, Gorondensky J, McKnight C, Papsin BC. Objective Measures in Auditory Implants Symposium. Tel Aviv, Israel.

ITALY

CHEPEHA, D

2019 Apr

Accelerated vs Chemo-Radiation as Organ Sparing Strategies for Laryngeal / Hypopharyngeal Carcinoma. Presenter(s): Elamir AM, Huang SH, Xu W, Yu M, Spreafico A, Bayley A, Bratman SV, Cho J, Giuliani M, Hope A, Kim J, O'Sullivan B, Ringash J, de Almeida JR, Chepeha DB, Goldstein D, Irish J, Waldron J, Hosni A. 2019 European Society for Therapeutic Radiology and Oncology (ESTRO 38) Annual Meeting (poster). Milan, Italy.

PROPST. E

2019 Mar

CARRA Autoinflammatory Disease Network Development – Improving Care and Fostering Research in Systemic Autoinflammatory Diseases (SAIDS). Presenter(s): Cherian J, Dedeoglu F, Wampler T, Shulert G, Laxer R, Gutierrez M, Hausmann J, Twilt M, Toruner C, Tucker L, Licameli G, Propst EJ, Ferguson P, Michelow I, Moorthy L, Wright P, Stepanovskiy Y. 10th Biannual Meeting of the International Society of Systemic Auto-Inflammatory Diseases (ISSAID). Genoa, Italy.

SWEDEN

DABDOUB, A

2018 Oct

Regeneration of Auditory Neurons for the Treatment of Hearing Loss. XVII Hearing and Structure Preservation Workshop. Uppsala, Sweden.

PORTUGAL

GORDON, K

2019 May

Effectiveness of a Cochlear Implant for Children with Single Sided Deafness. Presenter(s): Polonenko M, Papsin B, Cushing S, Gordon K. 14th Congress of the European Federation of Audiology Societies, Lisbon, Portugal.

2019 May

Pediatric Cochlear Implant Recipients as Adults: A Survey. Presenter(s): Ganek H, Cushing S, Papsin B, Gordon K. 14th Congress of the European Federation of Audiology Societies, Lisbon, Portugal.

PROPST, E

2018 Sept

Localized ALK Positive Histiocytosis with a KIF5B ALK Fusion in the Subglottis of a 3 Year Old Boy. Presenter(s): Ngan BY, Wolter NE, Propst EJ, Dickson B, Whitlock J. 34th Annual Meeting of the Histiocyte Society. Lisbon, Portugal.

WOLTER, N

2018 Oct

Localized ALK Positive Histiocytosis with a KIF5B (Kinesin Family Member 5B) — ALK (Anaplastic Lymphoma Kinase) Fusion in the Subglottis of a 3-Year-Old Boy. Presenter(s): Ngan BY, Wolter NE, Propst E, Dickson B, Whitlock J. 34th Annual Meeting of the Histiocyte Society. Lisbon, Portugal.

UNITED STATES

ASARIA, J

2019 May Post-Rhinoplasty Opioid Prescription Patterns and Perspectives Among Facial Plastic Surgeons. Presenter(s):

Levin M, Roskies MG, Asaria J. Combined Otolaryngology Spring Meetings (poster). Austin, TX.

CAMPISI, P

2019 May Exercise-Induced Vocal Fold Dysfunction: A Quality Initiative to Improve Assessment and Management.

 $Presenter(s): Campisi\ ES,\ Schneiderman\ JE,\ Owen\ B,\ Moraes\ TJ,\ Campisi\ P.\ American\ Laryngological$

Association, Combined Otolaryngology Spring Meeting (poster). Austin, TX.

CHEN, J

2019 July Machine Learning & Cochlear Implantation – A Structured Review of Opportunities and Challenges. Cl 2019.

Hollywood, FL.

2019 May Active Bone Conduction Implant Improves Patient Reported Outcomes Measures – A 12-Month Prospective

Study. Combined Otolaryngology Spring Meetings. Austin, TX.

CHEPEHA, D

2019 July Investigation Radiomics to Predict Positive Lymph Nodes in Oral Cavity Squamous Cell Carcinoma.

Presenter(s): Traverso A, Welch M, Dekker A, Wee L, Jaffray D, Hasan M, Giuliani M, Kim J, Ringash J, Cho J, Bratman S, Bayley A, O'Sullivan B, Waldron J, Irish J, Chepeha DB, de Almeida J, Goldstein D, Hope A, Hosni.

AAAPM Annual Meeting. San Antonio, TX.

2018 Oct A Preliminary Report of Canadian Low Risk Papillary Thyroid Cancer Patients' Experience in Deciding on

Surgery or Active Surveillance. Presenter(s): Sawka A, Ghai S, Tomlinson G, Rotstein L, Gilbert R, Gullane P, Pasternak J, Brown DH, de Almeida J, Irish J, Chepeha DB, Higgins K, Eskander A, Monteiro E, Banerjee A,

Jones J, Goldstein D. 88th Annual Meeting of the American Thyroid Association. Washington, DC.

CUSHING, S

2019 Apr Hearing and Developmental Outcomes Among Children with Asymptomatic Congenital Cytomegalovirus and

Sensorineural Hearing Loss. Presenter(s). Purcell PL, Papaioannou V, Gordon KA, Bitnun A, Brophy JA, Papsin

BC, Cushing SL. American Society of Pediatric Otolaryngology. Austin, TX.

2019 May Olfaction, Gustation, Balance and Vestibular Function in Children with Primary Ciliary Dyskinesia. Presenter(s):

Zawawi F, Wolter NE, Hummel TE, Dell S, Gordon KA, Papsin BC, Propst EJ, Cushing SL. American Society of

Pediatric Otolaryngology. Austin, TX.

2019 May Vestibular Dysfunction in Childhood Cancer Survivors Undergoing Ototoxic Medical Therapies. Presenter(s).

Sharma S, Noel C, Sokolov M, Papaioannou V, Nathan P, Gordon KA, Papsin BC, Cushing SL. American

Society of Pediatric Otolaryngology. Austin, TX.

2019 Apr Targeted Identification and Treatment of Infants with cCMV via Dried Bloodspot PCR as an Expanded Hearing

Screen. Presenter(s): Dunn J, Bagatto M, Barton M, Bulman D, Cushing SL, Gallagher L, Leifso K,

MacCormick J, Marcadier J, O'Sullivan C, Papaioannou V, Pernica J, Pigeon M, Salvadori M, Tam K, Tanaka L, Weber S. Bitnun A. Brophy J. Chakraborty P. International Congenital CMV Conference 2019 (poster).

Birmingham, AL.

2019 Apr Ontario's Clinical Care Implementation for Targeted Cytomegalovirus Newborn Screening. Presenter

(s): Marcadier J, Tam K, Gallagher L, O'Sullivan C, Hebert M, Tanaka L, Cushing SL, Papaioannou V, Pigeon M,

MacCormick J, Bitnun A, Brophy J, Dunn J, Bagatto M, Chakraborty P. Association of Public Health

Laboratories Newborn Screening Symposia 2019 (poster). Chicago, IL.

2019 Jan Revision Surgery Rates Among Children Receiving Percutaneous Bone-Conduction Hearing Aids.

Presenter(s): Purcell PL, Gordon KA, Papsin BC, Cushing SL. Combined Triologic Society Meeting (poster).

Coronado Island, CA.

2018 Nov Overlapping Diagnoses which Coexist with the Diagnostic Dyad of Congenital Cytomegalovirus and Hearing

Loss. Presenter(s): Papaioannou, V, Gordon KA, Bitnun A, Papsin BC, Cushing SL. Society for Ear, Nose, and

Throat Advancement in Children. Houston, TX.

DE ALMEIDA, J

2019 May Podium Presentation. Development and Validation of a Prediction-Score Model for Distant Metastases in

Major Salivary Gland Carcinoma. Presenter(s): Hosni A, Hope A, Waldron J, Ringash J, Kim J, O'Sullivan B, Bratman S, de Almeida J, Goldstein D, Su S, Xu W, Huang SH, Alfaraj A, Mierzwa M, Rosko A, Spector M, Kowalski L, Gustavo M, Moraes F. 2019 American Society of Clinical Oncology Annual Meeting. Chicago, IL

**recipient of the ASCO Merit Award.

2019 May Impact of Tobacco Smoking on Radiotherapy Outcomes in 1875 HPV-Positive Oropharynx Cancer Patients.

Presenter(s): Lassen P, Huang SH, Ju S, O'Sullivan B, Waldron J, Andersen M, Primdahl H, Johansen J, Kristensen C, Andersen E, Alsner J, Lilja-Fisher J, Bratman SV, Spreafico A, de Almeida JR, Xu W, Overgaard

J. 2019 American Society of Clinical Oncology Annual Meeting. Chicago, IL.

2019 May Tobacco Retail Availability and Tobacco Cessation in Lung and Head and Neck (HN) Cancer Survivors.

Presenter(s): Eng L, Habbous S, Hueniken K, Brown C, Saunders D, de Almeida J, Hope A, Bezjak A,

Shepherd F, Leighl N, Pierre A, Selby P, Goldstein D, Xu W, Su S, Giuliani M, Evans B, Chaiton M, Liu G. 2019

American Society of Clinical Oncology Annual Meeting. Chicago, IL.

2019 May Impact of Health Behavior Change on Health Utility (HU) and Financial Toxicity in Head and Neck Cancer

(HNC) Survivors. Presenter(s): Eng L, Hueniken K, Brown C, Hope A, Giuliani M, Selby P, Chan K, Mittmann N,

Xu W, Goldstein D, Liu G, de Almeida J. 2019 American Society of Clinical Oncology Annual Meeting.

Chicago, IL.

2019 May Deriving Health Utility Scores from Head and Neck Cancer Quality of Life Instruments: Mapping UWQOL and

EORTC QLQ-H&N35 onto EQ5D and HUI-3 Indices. Presenter(s): Noel C, de Almeida JR. American Head and

Neck Society Annual Meeting. Austin, TX.

2019 May Predictors of Depression and Anxiety in Head and Neck Cancer Patients. Presenter(s): Jethwa A, de Almeida

JR. American Head and Neck Society Annual Meeting. Austin, TX.

2019 May	Frailty Predicts Depression in Head and Neck Cancer Patients. Presenter(s): Thomas C, de Almeida JR, Goldstein DP. American Head and Neck Society Annual Meeting. Austin, TX.
2019 May	Cost-Effectiveness Analysis of CT Surveillance Versus PET Guided Neck Management vs. Early Neck Dissection for TNM 7 N2 and N3 HPV Positive Oropharyngeal Cancer Post Chemoradiotherapy. Presenter(s): Scheffler P, de Almeida JR. American Head and Neck Society Annual Meeting (poster). Austin, TX.
2019 May	Survival in Patients with Head and Neck Mucosal Melanoma. Presenter(s): Cardemil F, de Almeida JR. American Head and Neck Society Annual Meeting (poster). Austin, TX.
2019 May	Head and Neck Squamous Cell Carcinoma After Bone Marrow Transplant. Presenter(s): Douglas C, Jethwa AR, Hasan W, Liu A, Gilbert R, Goldstein D, de Almeida J, Lipton J, Irish JC. American Head and Neck Society Annual Meeting (poster). Austin, TX.
2019 May	Evaluation of Older Age and Frailty as Predictors of Post-Operative Decision Regret in Patients Undergoing Major Head & Neck Surgery. Presenter(s): Thomas C, Su J, Xu W, de Almeida J, Gullane P, Gilbert R, Brown D, Irish J, Alibhai S, Goldstein D. American Head and Neck Society Annual Meeting (poster). Austin, TX.
2019 May	Out-of-Pocket Costs Associated with Treatment of Head and Neck Cancer. Presenter(s): Khan M, de Almeida JR. American Head and Neck Society Annual Meeting (poster). Austin, TX.
2019 May	Evaluation of Hardware Complications Following Oromandibular Reconstruction Using Three-Dimensional Analysis. Presenter(s): Davies J, de Almeida JR (co-senior author), Irish JC. American Head and Neck Society Annual Meeting (poster). Austin, TX.
2019 May	Cost-Effectiveness of Salvage Laryngectomy Closure Techniques. Presenter(s): Kolarski M, de Almeida JR. American Head and Neck Society Annual Meeting (poster). Austin, TX.
2018 Oct	A Preliminary Report of Canadian Low Risk Papillary Thyroid Cancer Patients' Experience in Deciding on Surgery or Active Surveillance. Presenter(s): Sawka A, Ghai S, Tomlinson G, Rotstein L, Gilbert R, Gullane P, Pasternak J, Brown DH, de Almeida J, Irish J, Chepeha D, Higgins K, Eskander A, Monteiro E, Banerjee A, Jones J, Goldstein D. 88th Annual Meeting of the American Thyroid Association (poster). Washington, DC.
ENEPEKIDES, D	
2019 May	Metastatic Spread to Percutaneous Endoscopic Gastrostomy Sites in Patients with Head and Neck Cancers: A Systematic Review. American Head and Neck Society Annual Meeting 2019. Austin, TX.
2019 May	Treatment Trends in HPV and Oropharyngeal Squamous Cell Carcinoma: A Study of the National Cancer Database. American Head and Neck Society Annual Meeting 2019. Austin, TX.
2019 May	Innovative Insertion of the Palmaris Major Tendon After Lower Lip Reconstruction: The Sunnybrook Approach. American Head and Neck Society Annual Meeting 2019. Austin, Texas.
2019 May	Cine MRI-Based Analysis of Intrafractional Motion in Radiation Treatment Planning of Head and Neck Cancer Patients. American Society for Radiation Oncology Annual Meeting. Chicago, IL.

ESKANDER, A	١
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2019 Sept Poster Presentation. Cine MRI-based Analysis of Intrafractional Motion in Radiation Treatment Planning of

Head and Neck Cancer Patients. Presenter(s): Weiss Y, Chin L, Lau A, Husain Z, Higgins K, Enepekides DJ, Eskander A, Ho L, Poon I, Karam I. American Society for Radiation Oncology Annual Meeting (poster).

Chicago, IL.

2019 Apr Metastatic Spread to Percutaneous Endoscopic Gastrostomy Site in Patients with Head and Neck Cancers: A

Systematic Review. Presenter(s): Siu JM, Fuller K, Enepekides D, Karam I, Chan K, Singh S, Poon I, Higgins K,

Xu B, Nadler A, Eskander A. American Head & Neck Society Annual Meeting (poster). Austin, TX.

2019 Apr Treatment Trends in HPV+ Oropharyngeal Squamous Cell Carcinoma: A Study of the National Cancer

Database. Presenter(s): Zhan KY, Puram SV, Silverman D, Agrawal AA, Ozer E, Old MO, Carrau RL, Rocco JW,

Higgins K, Enepekides DJ, Kang SY, Eskander A. American Head & Neck Society Annual Meeting (poster).

Austin, TX.

2019 Apr Innovative Insertion of the Palmaris Major Tendon After Lower Lip Reconstruction: The Sunnybrook Approach.

Presenter(s): Sahovaler A, Higgins K, Eskander A, Enepekides DJ. American Head & Neck Society Annual

Meeting (poster). Austin, TX.

2019 Apr Candidate Indicators of Quality Care for the Diagnosis and Management of Medullary Thyroid Carcinoma.

Presenter(s): Cottrell J, Eskander A, Irish J, Monteiro E. American Head & Neck Society Annual Meeting

(poster). Austin, TX.

GILBERT. R

2019 May Head and Neck Squamous Cell Carcinoma After Bone Marrow Transplant. Presenter(s): Douglas C, Jethwa

AR, Hasan W, Liu A, Gilbert R, Goldstein D, de Almeida J, Lipton J, Irish JC. Annual American Head and Neck

Society Meeting (poster). Austin, TX.

2019 May Evaluation of Older Age and Frailty as Predictors of Post-Operative Decision Regret in Patients Undergoing

Major Head & Neck Surgery. Presenter(s): Thomas C, Su J, Xu W, de Almeida J, Gullane P, Gilbert R, Brown D,

Irish J, Alibhai S, Goldstein D. Annual American Head and Neck Society Meeting (poster). Austin, TX.

2018 Oct A Preliminary Report of Canadian Low Risk Papillary Thyroid Cancer Patients' Experience in Deciding on

Surgery or Active Surveillance. Presenter(s): Sawka A, Ghai S, Tomlinson G, Rotstein L, Gilbert R, Gullane P, Pasternak J, Brown DH, de Almeida J, Irish J, Chepeha D, Higgins K, Eskander A, Monteiro E, Banerjee A,

Jones J. Goldstein D. 88th Annual Meeting of the American Thyroid Association. Washington, DC.

GOLDSTEIN, D

2019 May Frailty Predicts Depression in Head and Neck Cancer Patients. Presenter(s): Thomas C, Goldstein D (Senior

Author). Annual American Head and Neck Society Meeting. Austin, TX.

2019 May Evaluation of Older Age and Frailty as Predictors of Post-Operative Decision Regret. Presenter(s): Thomas

CM, Goldstein DP (Senior Author). Annual American Head and Neck Society Meeting (poster). Austin, TX.

**Best Poster for AHNS.

Endoscopic Ear Surgery 3. Boston, MA.

GORDON, K	
2019 Feb	Speech Evoked Auditory Brainstem Response to Assess Binaural Processing in Children with Early Onset Hearing Loss. Presenter(s): Alemu RZ, Gorodensky JH, Gill SS, Papsin BC, Gordon KA. Conference of the Association for Research in Otolaryngology (poster). Baltimore, MD.
2019 Feb	Delayed Bilateral Cochlear Implantation in Children Promotes Aural Preference in Brainstem Processing of ITDs. Presenter(s): Polonenko M, Salloum C, Papsin BC, Gordon KA. Conference of the Association for Research in Otolaryngology (poster). Baltimore, MD.
2018 Nov	Benefits and Challenges to Working Memory and Academics in Children Receiving Early Simultaneous Bilateral Cochlear Implants. Presenter(s): McSweeny C, Cushing SL, Campos J, Papsin BC, Gordon KA. Society for Ear, Nose, and Throat Advancement in Children. Houston, TX.
2018 Nov	Vestibular and Balance Function in Children with Single Sided Deafness due to Abnormal Development of the Cochlear Nerve. Presenter(s): Purcell P, Papsin BC, Gordon KA, Cushing SL. Society for Ear, Nose, and Throat Advancement in Children. Houston, TX.
2018 Nov	Overlapping Diagnoses which Coexist with the Diagnostic Dyad of Congenital Cytomegalovirus and Hearing Loss. Presenter(s): Papaioannou V, Cushing SL, Gordon KA, Papsin BC. Society for Ear, Nose, and Throat Advancement in Children. Houston, TX.
2018 Dec	Identifying Differences in Early Hearing Development Using the LittlEARs Auditory Questionnaire. Presenter(s): Ganek H, Papsin BC, Gordon KA. Society for Ear, Nose, and Throat Advancement in Children. Houston, TX.
HIGGINS, K 2019 Sept	Cine MRI-Based Analysis of Intrafractional Motion in Radiation Treatment Planning of Head and Neck Cancer Patients. American Society for Radiation Oncology 2019 Annual Meeting (poster). Chicago, IL.
2019 May	Metastatic Spread to Percutaneous Endoscopic Gastrostomy Site in Patients with Head and Neck Cancers: A Systematic Review. Presenter(s): Siu J, Fuller K, Enepekides D, Karam I, Chan K, Singh S, Husain Z, Poon I, Higgins KM, Xu B, Nadler A, Eskander A. American Head and Neck Society Annual Meeting (poster). Austin, TX.
2019 May	Treatment Trends in HPV and Oropharyngeal Squamous Cell Carcinoma: A Study of the National Cancer Database. Presenter(s): Zhan K, Puram S, Silverman D, Agrawal A, Ozer E, Old M, Carrau R, Rocco J, Higgins KM, Enepekides D, Kang S, Eskander A. American Head and Neck Society Annual Meeting (poter). Austin, TX.
2019 May	Innovative Insertion of the Palmaris Major Tendon After Lower Lip Reconstruction: The Sunnybrook Approach. Presenter(s): Sahovaler A, Higgins KM, Eskander A, Enepekides D. American Head and Neck Society Annual Meeting (poster). Austin, TX.
JAMES, A 2019 June	Prospective Comparison of Two Grafting Techniques in Endoscopic Tympanoplasty. World Congress

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2018 Oct Access Disparities in Pediatric Tympanostomy Tube Placement. Presenter(s): Dixit R, Lin RJ, McCoy J, Shaffer

A, Chi D, Jabbour N. American Academy of Otolaryngology-Head and Neck Surgery Annual Meeting (AAO-

HNS). Atlanta, GA.

2019 May Vocal Fold Injection Augmentation Material Does Not Impact Interpretation or Completion of Laryngeal

Electromyography. Presenter(s): Belsky, MA, Lin RJ, Rosen CA, Munin MC, Smith LB. American Laryngological

Association (ALA) at the Combined Otolaryngology Spring Meeting (COSM), Austin, TX.

LIN, V

2019 May Predictors of Tinnitus Improvement in Patients with Unilateral Cochlear Implantation. Presenter(s): Matthew

Crowson, Vincent Lin. American Neurotological Society, Combined Otolaryngology Spring Meeting. Austin, TX.

2019 May Active Bone Conduction Implant Improves Patient Reported Outcomes – A 12 Month Prospective Study.

Presenter(s): Peter Dixon, Vincent Lin. American Neurotological Society, Combined Otolaryngology Spring

Meeting. Austin, TX.

MARTINO, R

2019 May Development and Validation of a Risk Score to Estimate Outcomes After Feeding Tube Placement in Acute

Stroke. Presenters(s): Joundi RA, Saposnik G, Martino R, Fang J, Kapral MK. American Academy of Neurology

(AAN) Annual Meeting. Philadelphia, PA.

2019 May Engaging Stakeholders to Identify Relevant Outcomes for Dysphagia Intervention. Presenter(s): Fitch MI,

Macdonald C, Hutcheson KA, McCulloch TM, Martino R. Annual American Head & Neck Society (AHNS)

Meeting. Austin, TX.

2019 May Duration of G-tube Presence in a 5-year Cohort of Patients with Head and Neck Cancer Treated with Curative

Intensity-Modulated Radiotherapy. Presenter(s): Greco E, Ringash J, Tomlinson G, Huang S, O'Sullivan B,

Waldron J, Martino R. Annual American Head & Neck Society (AHNS) Meeting. Austin, TX.

2019 Mar The First 30 Years of Research in Dysphagia: A Scoping Review. Presenter(s): Brodsky MB, Richard T, Greco

E, Jedlanek E, McCoy Y, Mckeon G, Sherman V, Martino R. Dysphagia Research Society (DRS) Annual

Meeting. San Diego, CA.

2019 Mar Expiratory Muscle Strength Training: Feasibility in Patients with Advanced Parkinson's Disease and

Dysphagia. Presenter(s): Yeates E, Sherman V, Pothier L, McGauley A, Greco E, Lopez MR, Marras C, Martino

R. Dysphagia Research Society (DRS) Annual Meeting. San Diego, CA.

2019 Mar EAT: A Structured Therapy Model to Facilitate Continued Oral Intake Through Head and Neck Radiotherapy -

User Acceptance and Content Validation. Presenter(s): Hutcheson KA, Gomes A, Rodriguez V, Barringer D,

Martino R. Dysphagia Research Society (DRS) Annual Meeting. San Diego, CA.

MONTEIRO, E

2019 May Candidate Indicators of Quality Care for the Diagnosis and Management of Medullary Thyroid Carcinoma.

Presenter(s): Cottrell J, Eskander A, Irish J, Monteiro E. American Head & Neck Society 2019 Annual Meeting

(poster). Austin, TX.

2019 May Deriving Health Utility Scores from Head and Neck Cancer Quality of Life Instruments: Mapping UWQOL and

EORTC QLQ-H&N35 onto EQ-5D and HUI-3 Indices. Presenter(s): Noel C, Stephens R, Su J, Xu W, Giuliani M, Monteiro E, Goldstein D, de Almeida J. American Head and Neck Society 2019 Annual Meeting. Austin, TX.

2019 May Cost Effectiveness Analysis of CT Surveillance versus PET Guided Neck Management vs. Early Neck

Cost Effectiveness Analysis of CT Surveillance versus PET Guided Neck Management vs. Early Neck Dissection for TNM-7 N2 and N3 HPV Positive Oropharyngeal Cancer Post Chemoradiotherapy. Presenter(s):

Scheffler P, Huang SH, Bayley A, Waldron J, O'Sullivan B, Monteiro E, Goldstein D, de Almeida J. American

Head and Neck Society 2019 Annual Meeting (poster). Austin, TX.

2019 Feb Regional Recurrence, Hyams Grade, and Methylation Immunescore Analysis in Esthesioneuroblastoma.

Presenter(s): Ziai H, Yao C, Leon A, Torti D, Pugh T, Aldape K, Xu W, Yu M, Weinreb I, Perez-Ordonez B, Witterick I, Vescan A, Monteiro E, Goldstein D, Ringash J, Bayley A, Zadeh G, Gentili F, de Almeida J. North

American Skull Base Society 29th Annual Meeting. Orlando, FL.

Feb 2019 Role of endoscopic endonasal surgery in the multidisciplinary management of Petroclival Chondrosarcomas:

Single Center Experience. Presenter(s): Almeida JP, Vescan A, de Almeida J, Monteiro E, Witterick I, Takami H, Velasquez C, Oswari S, Asha M, Laperriere N, Zadeh G, Gentili F. North American Skull Base Society 29th

Annual Meeting (poster). Orlando, FL.

OSBORN, A

2019 May

Changes in Gene Expression and Cell Junctions Induced by Sirolimus in Lymphatic Endothelial Cells: Towards Understanding Sirolimus-Induced Lymphedema and Regression of Lymphatic Malformations. Presenter(s): Wolter JK, Osborn AJ, Propst EJ, Papsin BC, Wolter NE. North American Vascular Biology Organization Lymphatic Forum 2019. Austin TX.

PAPAIOANNOU, V

2019 Apr Ontario's Clinical Care Implementation for Targeted Cytomegalovirus Newborn Screening. Presenter(s):

Marcadier J, Tam K, Gallagher L, O'Sullivan C, Hebert M, Tanaka L, Cushing SL, Papaioannou V, Pigeon M, MacCormick J, Bitnun A, Brophy J, Dunn J, Bagatto M, Chakraborty P. Association of Public Health

Laboratories Newborn Screening and Genetic Testing Symposium (poster). Chicago, IL.

2018 Dec Overlapping Diagnosis which Coexist with the Diagnostic Dyad of Congenital Cytomegalovirus and Hearing

Loss. Presenter(s): Papaioannou V, Gordon KA, Bitnun AS, Papsin BC, Cushing SL. Society for Ear, Nose, and

Throat Advancement in Children. Houston, TX.

2018 Dec Identifying Differences in Early Hearing Developing Using the LittlEARs Auditory Questionnaire. Presenter(s):

Ganek H, James AJ, Papaioannou V, Gordon KA. Society for Ear, Nose, and Throat Advancement in Children.

Houston, TX.

PAPSIN, B

2019 June Use of the KTP-Laser in Totally Endoscopic Cholesteatoma Surgery. Presenter(s): Sharma S, Swarup A,

Cushing S, Papsin B, James AL. World Congress Endoscopic Ear Surgery 3. Boston, MA.

2019 June Prevention of Pseudomonas Meningitis from Totally Endoscopic Cochleocele Repair. Presenter(s): Mok F,

James AL, Papsin BC, Isaacson B. World Congress Endoscopic Ear Surgery 3. Boston, MA.

2019 June	Comparing Transcanal Endoscopic Surgery to Post-Auricular Microscopic Surgery in Pediatric Ossiculoplasty: Evaluation of Hearing Outcomes and Postoperative Pain. Presenter(s): Purcell P, Cushing S, Papsin B, James AL. World Congress Endoscopic Ear Surgery 3. Boston, MA. 1st Prize Presentation.
2019 June	qThe Influence of Ciprofloxacin-Dexamethasone Ear Drops On Perforation Closure Rates After Endoscopic Tympanoplasty. Presenter(s): Sunil S, Cushing S, Papsin B, James AL. World Congress Endoscopic Ear Surgery 3. Boston, MA. 3rd Prize Presentation.
2019 Jun	Comparison of Totally Endoscopic Surgery Versus Combined Approach Tympanomastoidectomy for Cholesteatoma in the Mastoid Antrum. Presenter(s): Chayaopas N, Cushing SC, Papsin BC, James AL. World Congress Endoscopic Ear Surgery 3 (poster). Boston, MA.
2019 May	Olfaction, Gustation, Balance and Vestibular Function in Children with Primary Ciliary Dyskinesia. Presenter(s): Zawawi F, Wolter NE, Hummel TE, Dell S, Gordon KA, Papsin BC, Propst EJ, Cushing SL. American Society of Pediatric Otolaryngology. Austin TX.
2019 May	Vestibular Dysfunction in Childhood Cancer Survivors Undergoing Ototoxic Medical Therapies. Presenter(s): Sharma S, Noel C, Sokolov M, Papaioannou V, Nathan P, Gordon KA, Papsin BC, Cushing SL. American Society of Pediatric Otolaryngology. Austin TX.
2019 Apr	Hearing and Developmental Outcomes Among Children with Asymptomatic Congenital Cytomegalovirus and Sensorineural Hearing Loss. Presenter(s): Purcell PL, Papaioannou V, Gordon KA, Bitnun A, Brophy JA, Papsin BC, Cushing SL. American Society of Pediatric Otolaryngology. Austin TX.
2019 Feb	Speech Evoked Auditory Brainstem Response to Assess Binaural Processing in Children with Early Onset Hearing Loss. Presenter(s): Alemu RZ, Gorodnesky J, Gill SS, Papsin BC, Cushing SL, Gordon KA. Association for Research in Otolaryngology: 42nd Midwinter Meeting (poster). Baltimore, MD.
2019 Jan	Revision Surgery Rates Among Children Receiving Percutaneous Bone-Conduction Hearing Aids. Presenter(s) Purcell PL, Gordon KA, Papsin BC, Cushing SL. Combined Triologic Society Meeting (poster). Coronado Island, CA.
2018 Dec	Vestibular and Balance Function in Children with Single Sided Deafness Due to Abnormal Development of the Cochlear Nerve. Presenter(s): Purcell PL, Gordon KA, Blaser SI, McSweeny C, Papsin BC, Cushing SL. SENTAC. Houston, TX.
2018 Dec	Hearing Outcomes in Pediatric Ossiculoplasty: Comparing Postauricular Approach to Total Endoscopic Ear Surgery. Presenter(s): Purcell PL, Cushing SL, Papsin BC, James AL. Society for Ear, Nose, and Throat Advancement in Children. Houston, TX.
2018 Dec	Benefits and Challenges to Working Memory and Academics in Children Receiving Early Simultaneous Bilateral Cochlear Implants. Presenter(s): McSweeny C, Cushing SL. Campos J, Papsin BC, Gordon KA. Society for Ear, Nose, and Throat Advancement in Children. Houston, TX.
2018 Nov	Overlapping Diagnoses Which Coexist with The Diagnostic Dyad of Congenital Cytomegalovirus and Hearing Loss. Presenter(s): Papaionnou, V, Gordon KA, Bitnun A, Papsin BC, Cushing SL. Society for Ear, Nose, and Throat Advancement in Children. Houston, TX.

PROPST, E 2019 July	A Radiographic Analysis of Nasal Dimensions in Children with Apert and Crouzon Syndrome. Presenter(s): Ziai H, Propst EJ, Blaser SI, Forrest CR, Phillips JH, Wolter NE. American Society of Pediatric Otolaryngology (ASPO) Summer Meeting 2019. Vail, CO.
2019 May	Changes in Gene Expression and Cell Junctions Induced by Sirolimus in Lymphatic Endothelial Cells: Towards Understand Sirolimus-Induced Lymphedema and Regression of Lymphatic Malformations. Presenter(s): Wolter JK, Osborn AJ, Propst EP, Papsin BC. Wolter NE. North American Vascular Biology Organization Annual Meeting. Austin, TX.
2019 May	Recurrent Laryngeal Nerve Monitoring During Thyroid Surgery in Children Using Adhesive and Integrated Electrodes. Presenter(s): Propst EJ, Gorodenski J, Glazman E, Tilis L, Wolter NE. Annual Meeting of the American Society of Pediatric Otolaryngology (ASPO). Austin, TX.
2019 May	Development of a Competency-Based Assessment Tool for Rigid Esophagoscopy with Foreign Body Removal: A Modified Delphi Consensus Process. Presenter(s): Faucette EA, Wolter NE, Balakrishnan K, Ishman S, Numerous other authors, Propst EJ. Annual Meeting of the American Society of Pediatric Otolaryngology (ASPO). Austin, Texas.
2019 May	Olfaction, Gustation, Balance and Vestibular Function in Children with Primary Ciliary Dyskinesia. Presenter(s): Zawawi F, Wolter NE, Hummel T, Dell S, Gordon KA, Papsin BC, Cushing SL, Propst EJ. Annual Meeting of the American Society of Pediatric Otolaryngology (ASPO). Austin, TX.
2019 May	Racket Sport-Related Injuries in the Head and Neck in Children. Presenter(s): Scheffler P, Wolter NE, Propst EJ, Chan Y. Annual Meeting of the American Society of Pediatric Otolaryngology (ASPO). Austin, TX.
2019 Jan	Clinical and Radiological Features of Ectopic Cervical Thymus in Children. Presenter(s): Purcell PL, Zawawi F, Propst EJ, Papsin BC, Blaser SI, Wolter NE. Triological Society Combined Sections Meeting. Coronado, CA.
2018 Nov	Tracheo-Innominate Fistula in Children: A Systematic Review of Literature. Presenter(s): Lee DJ, Yang W, Propst EJ, Rosenblatt SD, Hseu A, Wolter NE. Society for Ear, Nose, and Throat Advancement in Children. Houston, TX.
2018 Oct	Pediatric Early Warning Score Predicts which Patients Need Close Monitoring After Head and Neck Surgery. Presenter(s): Faucett EA, Polonenko M, Samargandy SA, Propst EJ, Papsin BC, Wolter NE. American

SMILSKY, K

201 Feb Association of Speech Processor Technology and Speech Recognition Outcomes in Adult Cochlear Implant Users. Presenter(s): Dixon P, Shipp D, Smilsky K, Lin V, Le T, Chen J. Association for Research in Otolaryngology Mid-Winter Meeting (poster). Baltimore, MD.

Academcy of Otolaryngology-Head and Neck Surgery Annual Meeting. Atlanta, GA.

WITTERICK, I

2018 Oct Myasthenia Graves as a Paraneoplastic Syndrome of Papillary Thyroid Carcinoma. American Thyroid Association (poster). Washington, DC.

WOLTER, N 2019 May	Rhabdomyosarcoma of the Head and Neck in Children. Presenter(s): Dombrowski ND, Wolter NE, Robson CD, Kawai K, Irace AL, Vargas SO, Marcus KJ, Mack JW, Janeway KA, Collins NB, Rahbar R. Judah Folkman Research Day (poster). Boston, MA.
2019 May	Racket Sport-Related Injuries in the Head and Neck in Children. Presenter(s): Scheffler P, Wolter NE, Chan Y. American Society of Pediatric Otolaryngology (ASPO) Annual Meeting 2019 (poster). Austin, TX.
2019 Jan	Clinical and Radiological Features of Ectopic Cervical Thymus in Children. Presenter(s): Purcell PL, Zawawi F, Propst EJ, Papsin BC, Blaser SI, Wolter NE. Triological Society Combined Sections Meeting. Coronado, CA.
2018 Nov	Tracheo-Innominate Fistula in Children: A Systematic Review of Literature. Presenter(s): Lee DJ, Yang W, Propst EJ, Rosenblatt SD, Hseu A, Wolter NE. Society for Ear, Nose, and Throat Advancement in Children. Houston, TX.
2018 Oct	Ten-Year National Retrospective Study of All Terrain Vehicle Related Head and Neck Injuries. Presenter(s): Scheffler P; Namavarian A; Wolter NE, Chan Y. American Academy of Otolaryngology-Head and Neck Surgery Annual Meeting. Atlanta, GA.
2018 Oct	Pediatric Early Warning Signs Scores Predict Which Patients Need Close Monitoring Following Minor Head and Neck Surgery. Presenter(s): Faucett EA, Polonenko M, Samargandy SA, Propst EJ, Papsin BC, Wolter NE. American Academcy of Otolaryngology-Head and Neck Society Annual Meeting. Atlanta, GA.

NATIONAL MEETINGS

AB.

ALBERTA

ASARIA, J 2019 June	Post-Rhinoplasty Opioid Prescription Patterns and Perspectives Among Facial Plastic Surgeons. Presenter(s): Levin, M, Roskies, MG, Asaria J. Canadian Society of Otolaryngology-Head & Neck Surgery (poster). Edmonton, AB.
CHEN, J 2019 June	Vestibular Diagnostic Tests & Reimbursement in Ontario – A 'Big Data' Approach for Identifying Opportunities for Systems Improvement. Presenter(s): Matt Crowson et al. Canadian Society of Otolaryngology-Head & Neck Surgery Annual Meeting. Edmonton, AB.
2019 June	An Evidenced-Based Review of Best Practices for Magnetic Resonance Imaging Safety in Patients with Cochlear Implants. Presenter(s): Matt Crowson et al. Canadian Society of Otolaryngology-Head &B Neck Surgery Annual Meeting. Edmonton, AB.
2019 June	An Evidenced-Based Review of Best Practices for MRI Safety in Patients with Cochlear Implants. Presenter(s):

Lily Wang, Y3, et al. Canadian Society of Otolaryngology-Head & Neck Surgery Annual Meeting. Edmonton,

2019 June The Utility of a Cochlear Duct Length Measurement Software for Pre-Operative Cochlear Implant Selection.

Presenter(s): John Lee(PG2), et al. Canadian Society of Otolaryngology-Head & Neck Surgery Annual

Meeting. Edmonton, AB.

2019 June Brain Responses to Silent Lip Reading in Cochlear Implant Users Predict Speech Perception Outcomes.

Presenter(s): Maya Kuroiwa, et al. Canadian Society of Otolaryngology-Head & Neck Surgery Annual Meeting.

Edmonton, AB.

2019 June Magnet Targeting of Gadolinium Contrast to Enhance Imaging of the Inner Ear. Presenter(s): Maya Kuroiwa, et

al. Canadian Society of Otolaryngology-Head & Neck Surgery Annual Meeting. Edmonton, AB.

ESKANDER, A

2019 June NIFTP: Is it Really Benign. Canadian Society of Otolaryngology-Head & Neck Surgery Annual Meeting.

Edmonton, AB.

LIN, J

2019 June Developing an Objective Structured Assessment of Technical Skills (OSATs) for Adult Microlaryngoscopy.

Presenter(s): Ramazani F, Wright ED, Randall DR, Lin RJ, Jeffrey CC. Canadian Society of Otolaryngology-

Head & Neck Surgery Annual Meeting. Edmonton, AB.

LIN, V

2019 June Vestibular Diagnostic Tests and Reimbursement in Ontario – A "Big Data" Approach for Identifying

Opportunities for Systems Improvement. Presenter(s): Matt Crowson, Vincent Lin. Canadian Society of

Otolaryngology - Head & Neck Surgery Annual Meeting. Edmonton, AB.

2019 June Magnetic Targeting of Gadolinium Contrast to Enhance Magnetic Resonance Imaging of the Inner Ear.

Presenter(s): Maya Kuroiwa, Vincent Lin. Canadian Society of Otolaryngology - Head & Neck Surgery Annual

Meeting. Edmonton, AB.

2019 June Brain Responses to Silent Lip Reading in Cochlear Implant Users Predict Speech Perception Outcomes.

Presenter(s): Maya Kuroiwa, Vincent Lin. Canadian Society of Otolaryngology - Head & Neck Surgery Annual

Meeting. Edmonton, AB.

2019 June The Utility of a Cochlear Implant Duct Length Measurement Software for Pre-Operative Cochlear Implant

Selection. Presenter(s): John Lee, Vincent Lin. Canadian Society of Otolaryngology - Head & Neck Surgery

Annual Meeting. Edmonton, AB.

2019 June Prevalence of Uncorrected Hearing Loss and Unmet Otolaryngology Needs Among an Adult Homeless

Population. Presenter(s): Christopher Noel, Vincent Lin. Canadian Society of Otolaryngology - Head & Neck

Surgery Annual Meeting. Edmonton, AB.

2019 June Post-Operative Narcotic Use in Otolaryngology. Presenter(s): Frederick Laliberte, Vincent Lin. Canadian

Society of Otolaryngology - Head & Neck Surgery Annual Meeting. Edmonton, AB.

MONTEIRO, E 2019 June	The "Educational Time Out": A Model for Structured Perioperative Teaching and Learning. Presenter(s): Xu J, Rai S, Davies J, Manojlovic-Kolarski M, Laliberte F, Vescan A, Monteiro E. Canadian Society of Otolaryngology-Head & Neck Surgery Annual Meeting. Edmonton, AB.
2019 June	Ensuring Quality of Care in ESS for CRS via Integration of Optimal Practices and Self-Assessment. Presenter(s): Monteiro E, Saydy N, Desrosiers M. Canadian Society of Otolaryngology-Head & Neck Surgery Annual Meeting. Edmonton, AB.
2019 June	Learning Curve and Predictive Validity of a Virtual Reality Sinus Surgery Simulator. Presenter(s): Manojlovic-Kolarski M, Yao C, Chen S, Lee J, Monteiro E, Vescan A. Canadian Society of Otolaryngology-Head & Neck Surgery Annual Meeting. Edmonton, AB.
2019 June	Opioid Prescribing Practices Following Elective Surgery in Otolaryngology-Head & Neck Surgery. Presenter(s): Biskup M, Dzioba A, Sowerby L, Monteiro E, Strychowsky J. Canadian Society of Otolaryngology-Head & Neck Surgery Annual Meeting. Edmonton, AB.
2019 June	Improving the Quality of M&M Rounds: Not Just Finger Pointing and Zebras. Presenter(s): Strychowsky J, Pianosi K, You P, Monteiro E. Canadian Society of Otolaryngology-Head & Neck Surgery Annual Meeting. Edmonton, AB.
2019 June	See One, Do One, Teach One: How Can we Improve Perioperative Technical Skills Education and Acquisition? Presenter(s): Rai S, Xu J, Campisi P, Chan Y, Nguyen L, Monteiro E. Canadian Society of Otolaryngology-Head & Neck Surgery Annual Meeting. Edmonton, AB.
2019 June	Post-Operative Narcotic use in Otolaryngology. Presenter(s): Laliberte F, Hamour A, Eskander A, Lin V, Strychowsky J, de Almeida J, Monteiro E. Canadian Society of Otolaryngology-Head & Neck Surgery Annual Meeting. Edmonton, AB.
2019 June	Optimization of Surgical Tray Efficiency as a Simple Means of Reducing Perioperative Costs. Presenter(s): Fu T, Namavarian A, Msallak H, Monteiro E, Hubbard B, Elmasri W, Higgins K, Enepekides D, Chiodo A, Eskander A. Canadian Society of Otolaryngology-Head & Neck Surgery Annual Meeting. Edmonton, AB.
PROPST, E 2019 June	Racket Sport-Related Injuries in the Head and Neck in Children – A 5 Year National Retrospective Review. Presenter(s): Husnudinov RE, Scheffler P, Propst EJ, Chan Y, Wolter NE. Canadian Society of Otolaryngology – Head & Neck Surgery Annual Meeting. Edmonton, AB.
2019 June	Tracheo-Innominate Fistula in Children: A Systematic Review of Literature. Presenter(s): Lee DJ, Yang W, Propst EJ, Rosenblatt SD, Hseu A, Wolter NE. Canadian Society of Otolaryngology — Head & Neck Surgery Annual Meeting. Edmonton, AB.
2019 June	latrogenic Antlantoaxial Injury in Children with Trisomy 21. Presenter(s): Husnudinov RE, Ibrahim GM, Propst EJ, Wolter NE. Canadian Society of Otolaryngology — Head & Neck Surgery Annual Meeting. Edmonton, AB.

WOLTER, N

2019 June Racket Sport-Related Injuries in the Head and Neck in Children – A 5 Year National Retrospective Review.

Presenter(s): Husnudinov RE, Scheffler P, Propst EJ, Chan Y, Wolter NE. Canadian Society of Otolaryngology –

Head & Neck Surgery Annual Meeting, Edmonton, AB.

2019 June Tracheo-Innominate Fistula in Children: A Systematic Review of Literature. Presenter(s): Lee DJ, Yang W.

Propst EJ, Rosenblatt SD, Hseu A, Wolter NE. Canadian Society of Otolaryngology – Head & Neck Surgery

Annual Meeting, Edmonton, AB.

2019 June latrogenic Antlantoaxial Injury in Children with Trisomy 21. Presenter(s): Husnudinov RE, Ibrahim GM, Propst

EJ, Wolter NE. Canadian Society of Otolaryngology – Head & Neck Surgery Annual Meeting. Edmonton, AB.

NOVA SCOTIA

CAMPISI, P

2018 Oct Feedback Frequency in Competency by Design: A Quality Improvement Initiative. Presenter(s): Arnstead N,

Monteiro E, Campisi P. The International Conference on Residency Education. Halifax, NS.

MONTEIRO, E

2018 Oct The Educational Time-Out: A Model for Structured Perioperative Teaching and Learning. Presenter(s): Xu J,

Rai S, Davies J, Manojlovic Kolarski M, Laliberte F, Vescan A, Monteiro E. The International Conference on

Residency Education (ICRE 2018). Halifax, NS.

2018 Oct Feedback Frequency in Competency by Design: A quality Improvement Initiative. Presenter(s): Arnstead N,

Campisi P, Monteiro E. The International Conference on Residency Education (ICRE 2018). Halifax, NS.

PROVINCIAL/LOCAL MEETINGS

FOX, R

2019 May Revisiting Audio Red Flags. Association of Hearing Aid Practitioners (AHIP). Niagara Falls, ON.

MONTEIRO, E

2019 June The Education Time Out – A Model for Structured Perioperative Teaching and Learning, Presenter(s):

Monteiro E. Division of General Surgery – Resident Education Retreat. University of Toronto. Toronto, ON.

2019 Feb Otolaryngology Perspective on Tongue and Mandibular Resections and Reconstruction. Faculty of Dentistry –

Prosthodontics. University of Toronto. Toronto, ON.

2019 Feb Invited Lecture. Ultrasound Guided Thyroid FNA: Technical and Practical Implications. 17th Annual

Otolaryngology Update. Toronto, ON.

2018 Nov Vertigo, Dizziness, Mobility and Falls. 2018 MSH/UHN Geriatrics Update. Toronto, ON.

PAPSIN, B

2018 Aug Binaural Integration of Speech is Impaired in Children with Hearing Loss. Presenter(s): Alemu RZ, Gorodensky

JH, Gill SS, Papsin BC, Cushing SL, Gordon KA. SSuRe Symposium Day Poster 2018. Toronto, ON.

2018 Aug A Pilot Study Evaluating the Use of Head Referenced Cochlear Implant Stimulation in Improving Balance for

Children with Sensorineural Hearing Loss. Presenter(s): Mehta M, Blakeman A, Gordon K, Papsin B, Campos

J, Cushing S. SSuRe Symposium Day Poster 2018. Toronto, ON.

2018 Aug Retrospective Review of Genetic Testing for Hereditary Hearing Loss. Presenter(s): McLennan JD, Papsin BC,

Cushing S, Stavropoulos J, Mendoza-Londono R, Quercia N, Gordon KA. SSuRe Symposium Day Poster

2018. Toronto, ON.

SMILSKY, K

2019 Feb A Hearing Training App and its Effects on Speech Recognition Clinical Impact Through Innovation Expo 2018.

Presenter(s): Ng AHC, Sajeniouk V, Smith L, Shipp D, Smilsky K, Kaminskas K, Vanderelst R, Gritters N, Lin V.

Sunnybrook Health Sciences Centre, Toronto, ON.

The data provided within this annual report does not include information pertaining to faculty members: Julija Adamonis, Ashlin Alexander, D. Glenn Beard, Greg Belchetz, Matthew Brace, Deron Brown, Robert Burke, Lora Carinci, Roman Chaban, Janet Chung, Dustin Dalgorf, Carolyn Falls, David Finkelstein, Aman Grewal, David Hacker, Jerry Halik, Robert Hekkenberg, Theresa Holler, Anil Katyal, William Kaul, Jack Kolenda, Mark Korman, Ambrose Lee, Randy Leung, Bosco Lui, Laurie MacDonald, Jeffrey Mendelsohn, Lorna Minz, Sharon Morong, Karim Nazarali, Alfred Oh, Xerxes Punthakee, Richard Rival, John Rutka, Lorne Segall, Manish Shah, Tulika Shinghal, David Shipp, Praby Singh, Oakley Smith, Philip Solomon, Victor Toran, Adam Toth, Sandra Vojvidich, Curtis Wetmore, Jill Witte, Adrienne Wong



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