



Leading Innovation. Achieving Impact

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

Acknowledgements To: Sonia Valente Audrea Martin

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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. Alain Dabdoub

# Otolaryngologists-in-Chief

Hospital for Sick Children

Michael Garron Hospital

North York General Hospital

Sinai Health

Sunnybrook Health Sciences Centre

Trillium Health Partners

Unity Health Toronto - St. Joseph's Health Centre

Unity Health Toronto - St. Michael's Hospital

University Health Network

Dr. Blake Papsin

Dr. Al Chiodo

Dr. Everton Gooden

Dr. lan J. Witterick

Dr. Danny Enepekides

Dr. Yvonne Chan

Dr. Andres Gantous

Dr. Jennifer Anderson

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. 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

# DEAN Faculty of Medicine CHAIR Otolaryngology-HNS

DIVISIONS	COMMITTEES	HOSPITAL CHIEFS
— Audiology	— Executive	— Hospital for Sick Children
Head & Neck Oncology and Reconstructive Surgery	Undergraduate Medical Education	— Michael Garron Hospital
Facial Plastic	— Residency Program	— North York General
— & Reconstructive Surgery	Continuing Professional	— Sinai Health
— Rhinology	Development	Sunnybrook Health Sciences Centre
	<ul><li>Research</li><li>Department Appointments</li></ul>	— Trillium Health Partners
	— Department Promotions	Unity Health Toronto - St. Joseph's Health Centre
	Budget Advisory	Unity Health Toronto -
	— Community Academic	St. Michael's Hospital
	Faculty	University Health Network
	<ul><li>Advancement</li><li>Quality and Safety</li></ul>	



# Chair's Report

# Dr. Ian J. Witterick

The Department of Otolaryngology-Head & Neck Surgery (OHNS) at the University of Toronto had a productive year but filled with uncertainty and turmoil given the pandemic. We learned to work remotely as much as possible and grappled with the available information to keep all of us safe. Many in our faculty participated in national and international groups looking at any and all information available to help

create evolving guidelines for our specialty to cope with the pandemic. I am indebted to so many in the department who freely gave of their time and energy to help. There were reductions in clinical and surgical volumes, cancellation/postponement of academic meetings and an abundance of virtual meetings. Despite these challenges, our faculty, residents, fellows and administrative staff showed resilience in the face of adversity.

This annual report details activities of our department over the 2019-2020 academic year. The following are some of the highlights, achievements and milestones that have occurred.

# **Faculty**

A *Promotions Celebration* with family, friends and colleagues was held on January 30, 2020 at the Faculty Club for Drs. Yvonne Chan, John de Almeida and John Lee, all promoted to Associate Professor as of July 1, 2019. Dr. Andrew Dimitrijevic was successfully promoted to Associate Professor and Dr. Philip Solomon to Assistant Professor, effective July 1, 2020. Dr. Paolo Campisi was elected to the American laryngological Association.

Congratulations to Drs. Tony Eskander and Nik Wolter in successfully passing their probationary reviews and are now full-time faculty members. Dr. Jun Lin started a multidisciplinary EMG Clinic at Sunnybrook in December 2019 along with Dr. Larry Robinson (Physical Medicine and Rehabilitation).

Dr. Peter Alberti, Professor Emeritus and former Chair of the department (1982-1992) donated a collection of historical books and reprints related to otolaryngology to the Thomas Fisher Rare Book Library, a University of Toronto library. He started collecting these books as a resident in the 1960's and continued through the 1980's.

I started my term as President of the Canadian Society of Otolaryngology – Head & Neck Surgery (CSO-HNS) after the annual meeting in June 2019 and Dr. Chan became Chair of the Rhinology Working Group. Dr. Gilbert presided over the 7<sup>th</sup> World Congress of the International Academy of Oral Oncology (IAOO) as President in Rome from August 3 to September 3, 2019.

A celebration was held for Dr. Robert (Bob) Harrison on September 19, 2019 for his 28+ years of service as Head and then the inaugural Vice-Chair Research. Bob's excellence in research and leadership in our department was recognized by his colleagues, family and friends.

# **Milestones**

The Faculty of Medicine at the University of Toronto ranked 6<sup>th</sup> in the world in the 2020 *Times Higher Education Report*. In US News & World Report, the University of Toronto placed 4<sup>th</sup> in the world for Best *Global Universities for Clinical Medicine*.

# **Passings**

Dr. Albert William Peter van Nostrand, cross-appointed to our department, passed away on January 29, 2020. Dr. van Nostrand was a world authority in head & neck pathology.

# **Education**

The pandemic had a significant impact on our ability to deliver education from March 2020 onwards. In undergraduate medical education (UME) there were significant issues with a pause in all UME from March to June 2020. There was a shift to remote learning and the planned resumption of clerkship in July 2020. There were additional significant pressures from the re-organization of the pre-clerkship curriculum, a double cohort of clerks and this being an accreditation year in the 8-year cycle (thankfully postponed until the fall of 2020).

In postgraduate medical education (PGME), we had 27 residents and 25 clinical and research fellows from across the globe. Dr. Mirko Manojlovic Kolarski served as the Chief Resident and completed his term on April 30, 2020. Dr. Florence Mok was elected as the new Chief Resident. Thank you to both of these individuals for being strong advocates for the residents and training program.

We held a *Welcome Barbecue for the PGY1 residents at the home of Paolo and Susan Campisi on July 11*, 2019 with a Cuban theme and great food, live entertainment and good weather. The Chief's Cup OHNS Trivia contest was held on February 12, 2020 with congratulations to Team Jack-of-all-Flaps (Drs. Ralph Gilbert, Justin Cottrell, Amr Hamour, John Wook Lee and Florence Mok).

Our PGY1s participated in the 8<sup>th</sup> Annual Emergencies in OHNS Bootcamp in London, ON on September 13-14, 2019. Our PGY4s attended the annual meeting of the American Academy of Otolaryngology – Head and Neck Surgery in New Orleans September 15-18, 2019 supported by our teaching hospitals. Many of our residents participated with our neurosurgery colleagues on November 15, 2019 in an endoscopic skull base dissection course. There were many other practical hands-on courses throughout the academic year including soft tissue dissection and temporal bone drilling courses. Unfortunately, we were not able to hold our endoscopic sinus and rhinoplasty courses this year due to the pandemic.

Journal Clubs led by Drs. John de Almeida and Eric Monteiro presented interesting articles and concepts, usually in the home of one of our faculty members prior to the pandemic.

CaRMS interviews were held on January 31, 2020. We continued to present our work on social medial platforms including segments from our residents on why they chose our specialty (#WhyOHNS).

We welcomed six remarkable PGY1s to the department on July 1, 2019: Drs. Alexander Gabinet-Equihua, Garret Horton, Marc Levin, Justine Philteos, Ahmed Saleem and Lily Wang. Congratulations to all of our PGY5s on passing their Royal College exam: Drs. Joel Davies, Frédérick Laliberté, Mirko Manojlovic Kolarski, Sunita Rai and Josie Xu.

We welcomed new fellows from across the globe who significantly enhanced our learner experience. These were Drs. Islam Alzayadneh (Jordan), Rodrigo Fernández Pellón García (Mexico), Giriraj Sharma (US), Donovan Eu (Singapore), Mirko Manojlovic Kolarski (Canada), Susannah Orzell (US), Axel Sahovaler (Argentina), Fatemeh Hassan Nia (Iran), Valerie Dahm (Austria), Anne-Sophie Prevost (Canada), Tai Honigman (Israel), Eran Glikson (Israel), Sasan Dabiri (Iran), Gabriela Vergara (Chile) and Tommaso Gualtieri (Italy).

With the start of the pandemic, we had significant challenges in PGME with restrictions on clinical and surgical activity, cancellation of electives and suspension of research activities. With perseverance, patience and hard work, we are starting to see improvements. A sincere thank you to Dr. Campisi, our resilient residents and fellows, PGME leadership at the university, our administrators and all of our faculty.

The virtual graduation ceremony for residents and fellows held on June 12, 2020 was well attended by many in the department as well as the families of our residents and fellows. We thanked them for their dedication and hard work and wished them every success in their future endeavours. We sincerely hope they maintain a strong connection with our department. A number of awards were given out as detailed in this annual report.

Dr. Yvonne Chan continues to do a terrific job in organizing continuing professional development in the department. For the first 8-months of the academic year, we had multiple visiting professors (in person) and courses. The courses included an *Upper Aerodigestive Tract Endoscopy Simulation Course* (October 12, 2019), a *Facial Injectable Course and Facial Plastic and Reconstructive Surgery Update* (November 1–2, 2019 in conjunction with the Canadian Academy of Facial Plastic and Reconstructive Surgery) and *Dizziness Update* on November 16, 2019.

On February 21, 2020 we had another popular *Rhinology Update followed by our Annual Otolaryngology Update* on February 22, 2020. The annual *Joseph KH Wong/Smile China Lecture* given by Dr. Yvonne Ying from the Division of Plastic Surgery at the University Ottawa was held on February 27, 2020 titled *Global Surgery Outreach and Advocacy* and then the following day Grand Rounds on Global Surgery: *Expanding the Scope to Inform Education and Advocacy*.

The Faculty Development Day in concert with the Departments of Surgery and Anesthesiology on November 11, 2019 at the Chestnut Conference Centre was a great success.

After the start of the pandemic we continued weekly Grand Rounds and shifted many of the topics to be COVID-19 related. We also held a *Women in Medicine: Leading in a Time of Crisis* Grand Rounds on May 1, 2020. The residents put together a terrific video which had the greatest number of "hits" ever on our social media platforms.

Our department participates in the organization of many CPD courses nationally and internationally including the organization of the annual meeting of the CSO-HNS. Dr. Vincent Lin was Program Chair assisted by Dr. Yvonne Chan, CPD/CE Chair.

# Research

Despite the pandemic, our department continues to excel in research. During the 2019-2020 academic year, our faculty, residents and fellows published 168 peer-reviewed publications in 76 journals, 31 book chapters and 1 book. The grant total exceeded \$60M CAD plus \$7M USD. We gave approximately 308 presentations (many virtually) in 29 countries including approximately 87 scientific papers.

The PGY2 residents continued their 4-month research block and participated in the second iteration of the research education curriculum. Dr. Trung Le gave the *Annual Tomlinson Lecture* on March 13, 2020 titled *Therapeutic Delivery to the Inner Ear.* Dr. Sharon Cushing gave the *Dohlman Lecture* on May 15, 2020 on *Hearing and Balance: What Cochlear Implants Have Taught Us About the Developing Vestibular System.* 

Dr. Yael Bensoussan, a recent graduate is completing a Masters in System Innovation and Leadership at the Institute of Health Policy, Management and Evaluation (IHPME). Dr. Chris Noel has transferred his Masters to the PhD stream.

The Annual Research Evening was held on October 16, 2019 in the SickKids Peter Gilgan Centre for Research and Learning. The depth and breadth of research presentations were tremendous. Our *Annual Percy Ireland Academic Day and Dinner* was cancelled this year because of the pandemic as was the *Annual Harry Barberian Memorial Dinner*. We were able to distribute more than \$100K in Harry Barberian Scholarships to 12 research teams through a competitive peer-reviewed process based on proceeds from the May 2019 event.

We held the second round of submissions for *Raymond Ng and Wendy Chui Foundation for Innovation Awards*. A rigorous process narrowed the field and eventually one projects was awarded funding of \$200K. The successful project is titled *Molecular Testing of Indeterminate Thyroid Nodules to Inform Surgical Management* and involves multiple faculty from our department and other departments.

Despite the pandemic and closure of labs and suspension of research activity for part of this academic year, we continued to be productive.

# **Alumni**

On February 22, 2020, the *Annual Alumni & Friends Dinner* was held at Hart House honouring the Class of 1994. Drs. Lisa Elden and Andres Gantous were able to attend to represent the resident graduates of 1994. There was an alumni reception on September 1, 2019 in Rome at Les Etoiles during the 2019 Annual Meeting of the IAOO.

The Percy Ireland Dinner and alumni event at the CSO-HNS were cancelled this year due to the pandemic.

Congratulations to Dr. John Yoo who was appointed as Dean at the Schulich School of Medicine and Dentistry, Western University, effective May 1, 2020.

# **Awards**

Congratulations to all of our award winners detailed in this report. Some of the highlights include Drs. Dale Brown, John de Almeida, Jon Irish and Jun Lin collectively receiving the *Alma Smitheringale Excellence in Undergraduate Teaching Award*, Dr. Danny Enepekides receiving the *Excellence in Teaching Award* and Dr. Ian Witterick received the *Resident Advocate Award*. Drs. Joel Davies and Mirko Manojlovic Kolarski were voted by their peers to receive the *Resident Teachers of the Year Award* and Dr. Matthew Crowson 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. Highlights include Drs. John de Almeida and Tony Eskander receiving IHPME *Eugenie Stuart Best Mentor Awards* – Best Instructors for their Excellence in Teaching, Excellence in Course/Program Development & Coordination, Excellence in MSc/PhD Thesis Supervision, and Outstanding Faculty/Preceptors/Tutors. Dr. Eskander was also the recipient of a 2020 Terry Fox New Investigator Award (a

partnership between the Canadian Institutes of Health Research and the Terry Fox Research Institute) for his project An evaluation of patterns of care, survival and healthcare costs in patients with head and neck cancer.

Dr. Trung Le was the recipient of the *Triological Society Career Development Award for his project Magnetic Targeting Delivery of Neurotrophic Gene Therapy for the Treatment of Hearing Loss.* This award provides support for research career development and Dr. Le is the first person from a Canadian University to receive this highly competitive award.

Dr. Christopher Noel (PGY3) was awarded a Canadian Institute of Health Research 2019-20 Frederick Banting and Charles Best Canada Graduate Scholarship - Doctoral Research Award and the 2020 Robert Sheppard Award for Health Equity and Social Justice.

# **Administration**

Welcome to Ms. Safia Amin, our new Events and CBD Administrative Assistant. Ms. Andrea Donovan continued as our Education Co-ordinator, Ms. Sonia Valente as Executive Assistant to the Chair and Ms. Audrea Martin as Business Officer. As of March 2020, our administrative staff worked remotely and relatively seamlessly. A big thank you to all of them for keeping our university department running smoothly under adverse conditions.

# **Summary**

Our education and research capabilities took a big "hit" from March 2020 onwards but we are slowly recovering. Despite the pandemic, we had a productive year. Our department runs on the goodwill, tenacity and hard work of so many. I am very appreciative of the time and effort that our administrative staff, residents, fellows and faculty put into the day to day running of our hospitals and university department. Many have gone "above and beyond" during the pandemic and I look forward with optimism to the time we can get together in person, once again.

Respectfully submitted,

Ian Witterick MD

# **Alumni and Friends Event**

Our Annual Alumni and Friends Dinner was held on February 21, 2020 at the Gallery Grill, Hart House. This year we celebrated the class of 1994: Drs. Lisa Elden, Andres Gantous, Andrew Golde, and Robert Mounsey.















# **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

B.C. Papsin, MD, MSc, FRCSC

R. Ralhan, PhD, FNAMS

J.A. Rutka, MD, FRCSC

# **Associate Professors:**

J. Anderson, MD, MSc, FRCSC

Y. Chan, MD, MSc, FRCSC, HBSc

J.S. Chapnik, MD, FRCSC

A. Chiodo, MD, FRCSC

K. Conrad, MD, FRCSC, FRCS

S. Cushing, MD, MSc, FRCSC

A. Dabdoub, PhD

J. de Almeida, MD, MSc, FRCSC

D. Enepekides, MD, MPH, FRCSC

A.M. Gantous, MD, FRCSC

D. Goldstein, MD, MSc, FRCSC

K. Higgins, MD, MSc, FRCSC

J. Lee, 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

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

R.J. Lin, MD, MSc, FRCSC

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

R. Mounsey, MD, FRCSC, FACS

R. H.W. Na. 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

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
- M. Hazen\*, MSc, AUD (C)
- 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
- L. Kus\*, MD, MSc, BSc (HONS), 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
- G. Merrick\*, MHSc, Reg. CASLPO
- 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
- M. Roskies\*, MD, MSc, 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
- J. Yip\*, MD, BSc (HONS), 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.Y. Ngan, PhD, MD, FRCPC, Laboratory Medicine & Pathobiology
- 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

# **Lecturers:**

D. Parker, MSc, Speech Language Pathology

# **Administrative Staff:**

Safia Amin, Events Coordinator

Andrea Donovan, Postgraduate/Undergraduate Administrator

Audrea Martin, Business Officer

Sonia Valente, Chair's Assistant/Department Executive Assistant

# **Honours and Awards**

ADAMAGON D	
ADAMSON, P Sept 2019	Honorary Emeritus Fellow, European Academy of Facial Plastic and Reconstructive Surgery.
June 2020	Honorary Member, Society of Rhinoplasty Surgeons of South Africa.
<b>BROWN, D</b> 2020	Alma Smitheringale Excellence in Undergraduate Teaching Award. Department of Otolaryngology-Head & Neck Surgery, Faculty of Medicine, University of Toronto. Toronto, Ontario.
CAMPISI, P 2020	Membership in the American Laryngological Association. United States.
<b>CHEPEHA, D</b> 2019	Honour Award. Canadian Society of Otolaryngology-Head & Neck Surgery. Canada.
<b>CHIODO, A</b> 2020	Polaris Award for best poster presentation, John Bradley Summer Research Program presented to Neha Ravichandra for our project entitled "Patient Satisfaction and Evaluation of Virtual Care in Otolaryngology-Head and Neck Surgery During COVID-19". Canada.
<b>DE ALMEIDA, J</b> 2020 June	Alma Smitheringale Excellence in Undergraduate Teaching Award. Department of Otolaryngology-Head & Neck Surgery, Faculty of Medicine, University of Toronto. Toronto, Ontario.
2020 Feb	Eugenie Stuart Best Mentor Award-University of Toronto, Institute of Health Policy, Management and Evaluation. Toronto, Ontario.
2019 Dec	Teaching Excellence Award-MD Program 2018-2019, Faculty of Medicine, University of Toronto. Toronto, Ontario.
2019	Miriam Neveren Memorial Award. 2019-2020 Postgraduate Research Award. Terence Fu (Resident). Total award: \$4,800. Toronto, Ontario.
ENEPEKIDES, D 2020	Faculty Teacher of the Year Award. Department of Otolaryngology-Head & Neck Surgery, Faculty of Medicine, University of Toronto. Toronto, Ontario.
ESKANDER, A 2019	Eugenie Stuart Best Mentor Award Institute of Health Policy, Management and Evaluation, University of Toronto. Toronto, Ontario.
2019	MD Program Teaching Excellence Award (2018-2019) Undergraduate Medical Education, University of Toronto. Toronto, Ontario.

<b>GEVORGYAN, A</b> 2019	Circle of Gratitude Recognition, Lakeridge Health Foundation, Oshawa, Ontario.
<b>IRISH, J</b> 2020	Alma Smitheringale Excellence in Undergraduate Teaching Award Department of Otolaryngology-Head & Neck Surgery, Faculty of Medicine, University of Toronto. Toronto, Ontario.
<b>LIN, J</b> 2019	University of Toronto MD Program Teaching Excellence Award. Toronto, Ontario.
2020	Alma Smitheringale Excellence in Undergraduate Teaching Award. Department of Otolaryngology-Head & Neck Surgery, Faculty of Medicine, University of Toronto. Toronto, Ontario.
WITTERICK, I 2020	Resident Advocate Award, Department of Otolaryngology-Head & Neck Surgery, University of Toronto, Toronto, Ontario.

# **Leadership Activities**

# ADAMONIS, J

2002-present Peer Assessor. College of Audiologists and Speech Language Pathologists of Ontario.

# ADAMSON, P

# American Academy of Facial Plastic and Reconstructive Surgery

2020-present Member. President's Ad Hoc Committee for Rhinoplasty Strategic Planning.

2016-present Mentor. AAFPRS Practitioner's Program.
2002-present Member. Howard W. Smith MD Legacy Society.

## American Board of Facial Plastic and Reconstructive Surgery

2020-present Member. Maintenance of Certification Working Group.

2016-present Trustee. The ABFPRS Diplomate Society. 2003-present Senior Advisor, Board of Directors.

1996-present Trustee. Robert L. Simons Leadership Society. 1989-present Contributor. Oral examination protocols.

1989-present Board Examiner. Responsibilities include New Examiner Training and Instructor for Candidates and

Examiners in Examination Protocols (2-day annual examinations).

# Archives of Facial Plastic Surgery/JAMA Facial Plastic Surgery/Facial Plastic Surgery and Aesthetic Medicine

2020-present Member. Editorial Board, Facial Plastic Surgery and Aesthetic Medicine. 2014-2020 Member. International Advisory Board, JAMA Facial Plastic Surgery.

# Canadian Academy of Facial Plastic and Reconstructive Surgery.

1989-present Advisor.

## European Board for Certification in Facial Plastic and Reconstructive Surgery

2012-present Senior Advisor.

### Face the Future™ Foundation.

1994-present President and Founder.

# Facial Reconstructive Cosmetic Surgery (India) Trust

2019-present Senior Advisor.

# International Board for Certification in Facial Plastic and Reconstructive Surgery

2013-present Presided over and examined at annual examinations of the European Board for Certification in

Facial Plastic and Reconstructive Surgery and International Board for Certification in Facial Plastic

and Reconstructive Surgery in London, England.

2012-present President.

# Pan Asian Academy of Facial Plastic and Reconstructive Surgery

2011-present Advisor.

# **Facial Plastic Surgery Clinics Advisory Board**

2011-2020 Advisor.

ANAND, S

2013-present Co-chair. Monthly Endocrine/Thyroid Multidisciplinary Cancer Conference,

Scarborough Health Network and Humber River Hospitals.

2013-present Active Participant/Coordinator. Setting up guidelines at Scarborough Health Network Hospitals.

Guidelines for post tonsillectomy pain management, pediatric ENT admissions, and protocols for

post thyroidectomy and post parotidectomy patient management.

2013-present Developer. Patient handouts on Otolaryngology-Head & Neck Surgery clinical conditions for

patient/public education. Handouts on topics of chronic sinusitis, Benign Paroxysmal Positional

Vertigo and the Epley Particle Repositioning Manuever, Tinnitus & Tinnitus Management. Postoperative care handouts after thyroid surgery, endoscopic sinus surgery, nasal surgery,

tonsillectomy and adenotonsillectomy, myringotomy and tube placement.

2013-present Active Participant/Committee Member. Strategic Planning and Clinical Services

Plan, Department of Surgery, Scarborough Health Network.

# ANDERSON, J

# St. Michael's Hospital

2019-present Member. Perioperative Program Cabinet.

2019-present Member. Kidney & Metabolism Program Executive Council.

2017-present Member. Corporation MAC St. Michael's/St. Joseph's/Providence Health.

2016-present Member. Unity Health Senior Leadership Team.

2008-present Chief. Department of Otolaryngology-Head & Neck Surgery, Unity Health Toronto - St. Michael's

Hospital.

2009-present Chair. Multidisciplinary Cancer Conference/Tumour Board Rounds, Department of Otolaryngology-

Head & Neck Surgery, Faculty of Medicine.

2009-present Internal Grant Reviewer. St. Michael's Hospital Innovation AFP Grants.

2009-2020 Member. Mobility Management Committee. 2005-present Member. Medical Advisory Committee.

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

1994-2019 Member. Perioperative Services Advisory Group.

# **BROWN, DH**

## **Editorial Boards**

2004-present The Laryngoscope.

# BROWN, D

2020-present Reviewer. Journal of Otolaryngology-Head & Neck Surgery.

2019-present Divisional Chief. Otolaryngology-Head & Neck Surgery. Scarborough Health Network.

# CAMPISI, P

# **International Federation of ORL Specialties**

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

## Canadian Society of Otolaryngology-Head & Neck Surgery

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

2012-present Chair. Pediatric Otolaryngology Study Group.

# Royal College of Physicians and Surgeons of Canada

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

2012-2019 Member. Otolaryngology-Head & Neck Surgery Examination 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 JAMA Otolaryngology Head & Neck Surgery.
2005-present Journal of Otolaryngology-Head & Neck Surgery.

2005-present The Laryngoscope.

2004-present International Journal of Pediatric Otorhinolaryngology.

2004-present Paediatrics and Child Health.

# CHAN, Y

2019-present Member. Diversity Advisory Council, Faculty of Medicine, University of Toronto.
2019-present Chief. Department of Otolaryngology-Head & Neck Surgery, Trillium Health Partners.

2018-present Tariff Chair. OMA Otolaryngology-Head & Neck Surgery Section.

2017-present Member. Royal College of Physicians and Surgeons of Canada Regional Advisory Committee 3.

2015-present Member. American Rhinologic Society, Continuing Medical Education Committee.

2015-present Member. American Academy of Otolaryngology-Head and Neck Surgery, Rhinology and Allergy

Education Committee.

2012-present Member. CPD Directors and Leaders Committee, Faculty of Medicine.

# Canadian Society of Otolaryngology-Head & Neck Surgery

2019-present Chair. Canadian Rhinology Working Group.

2019-present Leadership and Mentorship Representative. Women in Otolaryngology Section.

2018-present Chair. Continuing Professional Development Committee Chair.

2018-present Member. Women in Otolaryngology Section.

# CHANG, M

# Scarborough Health Network

2018-present Head. Division of Otolaryngology, Centenary Site.

2018-present Member. Medical Education Committee.

2018-present Member. Credentials Committee.

2014-present Chair. Combined Humber River Hospital and Scarborough Health Network Multidisciplinary

Thyroid Cancer Conference.

# CHEN, J

# **Canadian Acoustic Neuroma Society**

2003-present Advisor/Medical Consultant.

# Ministry of Health & Toronto Central LIHN

2012-present Provincial Coordinator. Ontario Cochlear Implant Program, Patient and Public Education.

# **Ontario Cochlear Implantation Program**

1993-present Member.

# **Sunnybrook Health Sciences Centre**

2007-present Member. Medical Advisory Committee. 2007-present Member. Senior Medical Council. 2007-present Member. OR Management Committee.

# Sunnybrook and Women's College Health Sciences Centre

1994-present Member. SHUTC Board of Directors.1992-present Member. Skull Base Tumour Board.

# **Manuscript Reviewer**

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

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

# CHEPEHA, D

# American Academy of Otolaryngology-Head and Neck Surgery

2015-present Member. Microvascular Committee.

# **American Head and Neck Society**

2018-present Member. Scientific Review Committee.

# Canadian Society of Otolaryngology-Head & Neck Surgery

2020 Planning Committee.

2019-present Member. International Federation of ORL Societies.

2017-present Co-editor. Journal of Otolaryngology-Head & Neck Surgery.

2016-present Member. Canadian Association of Head and Neck Surgical Oncology.

2016-present Member. Scientific Program Committee.

# **NRG Oncology**

2019-present Member. NRG Sentinel Node Quality Committee.

2016-present Member. NRG Oncology Head and Neck Cancer General Committee.

2016-present Member. NRG Head & Neck Surgical Subcommittee.

### **Ohlson Research Initiative**

2012-present External Scientific Advisory Board Member. Scientific Advisory Board, Ohlson Research Institute,

University of Calgary.

# CHIODO, A

# **Michael Garron Hospital**

Member. Search Committee Chair of Surgery.
 Member. Search Committee Chair of Pathology.
 Member. Search Committee Chair of Pediatrics.

2012-present Chief. Department of Otolaryngology-Head & Neck Surgery.

2012-present Member. Credentials Committee.2012-present Member. Medical Advisory Committee.

# **CUSHING, S**

# **Associate or Section Editing**

2016-present Frontiers in Otorhinolaryngology-Head and Neck Surgery.

### **Editorial Boards**

2010-present Otology & Neurotology.

# **Manuscript Reviewer**

2020-present Behavioral Sciences.

2020-present International Journal of Environmental Research and Public Health.

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 and 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 Cochlear Implants International.

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

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

International Journal of Pediatric Otorhinolaryngology. 2011-present

# DABDOUB, A

2018-present Member. Diversity and Minority 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, Hearing Health Foundation.

DE ALMEIDA, J	
2020-present	Member. Surgical Sub-committee. Head and Neck Cancer International Group.
2020-present	Reviewer. Canadian Institute for Health Research.
2019-2022	Member. Practice Guidelines & Position Statements Service, American Head and Neck Society.
2019-present	Surgical Co-chair. HEADSTART Collaborative, Head and Neck Clinical Trials Cooperative Group.
2019-present	Member. Canadian Cancer Trials Group Disease Site Committee Centre.
2019-present	Member. Outcomes Committee, Minimal Clinical Dataset, Canadian Society of Otolaryngology
	Collaborative Research Initiative.
2019-present	Member. Canadian Cancer Trials Group Disease Site Committee Centre.
2018-present	Member. Cost, Quality and Outcomes Committee, University Health Network.
2018-present	Head of Divisional Research. Division of Head and Neck Oncology and Reconstructive Surgery,
	Department of Otolaryngology-Head & Neck Surgery.
2018-present	Member. Outcomes Committee, American Head and Neck Society-International Consortium for
	Health Outcome Measurement.
2018-present	Member. Surgical Subcommittee. Canadian Clinical Trials Group.
2018-present	Member, Surgical Innovation Program, Evaluation Subcommittee, Ministry of Health, Ontario,

Member. Surgical Innovation Program, Evaluation Subcommittee, Ministry of Health, Untario. 2018-present

Review of ICES database for province-wide robotic surgery data.

2018-present Member. Cancer Care Ontario-Quality based Program, HNK Cancer Surgery QBP Working Group. 2017-present Member. Collaborative Research Initiative, Canadian Society of Otolaryngology Head & Neck Surgery.

2017-present Co-director. Journal Club, Department of Otolaryngology Head and Neck Surgery, University of

Toronto.

Member. Skull Base Symposium Organizing Committee. University of Toronto Diagnostic 2017-present

Neuroradiology Fellowship Program.

2015-present Member. Continuing Medical Education Compliance Committee. American Head and Neck

Society.

2015-present Member. Research Committee. American Head and Neck Society.

2015-present Member. Value Based Care Committee, North American Skull Base Society. Cancer Care Ontario-Disease Pathway Management for Oropharynx Cancer. 2015-present

2013-present Member. Post Graduate Committee (University Health Network 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**

2018-present Editor. Frontiers in Neuroscience.

# **ENEPEKIDES, D**

2020 Chair. Advanced Techniques in Management of Soft Tissue Deformities with Cadaveric

Specimens.

2019 Scientific Committee Member. 10th International Conference on Head and Neck Cancer.

2018-2020 Member. Skin Cancer Care Pathway Development Team.

2018-present Chief. Department of Otolaryngology-Head & Neck Surgery, Sunnybrook Health Sciences Centre.

2018-present Co-chair. American Head and Neck Society. Salivary Gland Section.

2011-present Member. Advanced Training Council Committee.

## **Manuscript Reviewer**

2013-present JAMA Otolaryngology-Head & Neck Surgery.

2002-present Head & Neck.

2002-present Otolaryngology-Head and Neck Surgery.

2002-present The Laryngoscope.

# **ESKANDER, A**

# **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 CMAJ.

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.

# **Member. Editorial Boards**

2018-present	Oral Oncology.
2019-present	PLoS ONE (Academic Editor).
2019	Poster Judge 2019 Meeting-American Head and Neck Society (Reconstructive Section).
2019-2021	Head. Head & Neck Surgery.
2017-2020	Research Co-lead. Canadian Society of Otolaryngology-Head & Neck Society Collaborative
	Research Initiative.
2018-2021	Publications and Awards Service-American Head and Neck Society.
2018-2020	Head & Neck Surgery Education Committee-American Academy of Otolaryngology.
2018-present	Odette Cancer Centre Palliative Care Advisory Committee.
2017-2020	Endocrine Research Committee-American Head and Neck Society.
2017-2020	Patient and Public Education Committee-American Head and Neck Society.

# FALLS, C

2015-present	Member. Clinical Learner Education Committee, University Health Network.
2015-present	Member. Professional Advisory Committee, University Health Network.
2015-present	Member. Quality Team, Otolaryngology-Head & Neck Surgery, University Health Network.

# FERNANDES, V

2015-present	Reviewer. Head & Neck.
2020-2003	Chair. Academic Rounds, Scarborough Health Network.

# **GANTOUS, A**

2019-present	Head. Division of Facial Plastic and Reconstructive Surgery. Department of Otolaryngology-Head & Neck Surgery, University of Toronto.
2019-present	Chief. Division of Otolaryngology-Head & Neck Surgery, Unity Health Toronto - St. Joseph's Health Centre.
2018-present	Canadian Region Credential Committee Representative. 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.  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.
2006-present	Postgraduate Coordinator. Division of Otolaryngology-Head & Neck Surgery, St. Joseph's Health Centre.

# 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	Head. Division of Otolaryngology-Head and Neck Surgery, Department of Surgery,
	Lakeridge Health Corporation.
2018-present	Editorial Board Member. Rhinology Online.
2017-present	Member. Executive Committee, The Oshawa Clinic Group.
2015-present	Editorial Board Member. Rhinology.
2015-present	Member. OR Utilization Committee, Lakeridge Health Corporation.

# **GILBERT, R**

2012-present Chief. Department of Otolaryngology-Head & Neck Surgery, University Health

Network.

1989-present Reviewer. Editorial Board, Journal of Otolaryngology-Head & Neck Surgery.

## **Cancer Care Ontario**

1991-present Member. Practice Guidelines Initiative, Provincial Head and Neck Cancer Disease Site Group,

Canada.

### **National Cancer Institute of Canada**

2005-present Co-chair. Head and Neck Clinical Trials Group.

2001-present Member. Head and Neck Site Group.

# **Princess Margaret Hospital**

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

Otolaryngology-Head & Neck Surgery, Faculty of Medicine.

2001-present Member. Cancer Committee.

2001-present Member. Management Council, Department of Surgical Oncology, Canada.

# **University Health Network**

2009-present Member. Board of Trustees.

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uU	LDU			u

2019-present	Editorial Roard 1	VeboT TM3	nublication	of the Triologic Society.	
ZU 19-DIESEIIL	- FUIIUHAI DUALU, I	EINT TOUAV.	DUDIIGATION	OF THE THOUGUIC SOCIETY.	

2019-present Lead. Data and Clinical Trials Committee, Head and Neck Disease Site, Princess Margaret Cancer

Centre

2019-present Surgical Oncology Representative. Operating Room and Business Planning Committee.

2019-present Lead. Head and Neck Surgical Oncology Robertson Foundation Clinical Trials

Program, Department of Otolaryngology-Head and Neck Surgery, University Health Network.

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

2018-present Site Lead. Endocrine Disease Site. Princess Margaret Cancer Centre, University Health Network.

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

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

Functional Outcomes Database.

2016-present Head & Neck Surgery Representative. Melanoma Disease Site Group.

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

Head & Neck Surgery, University of Toronto.

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

Network.

1998-present Member. Cancer Registry and Staging Committee, Princess Margaret Cancer Centre.

# **American Head and Neck Society**

2019-present Co-representative to the Latin American Thyroid Society on behalf of the Endocrine Section.

2018-present Member. Website Committee.

2016-present Member. Committee for the Endocrine Section.

2015-present Member. Publications Committee.

### **External Grant Reviewer**

2020 The Dutch Research Council (NWO) NWA-ORC Grant Competition.

# **Manuscript Reviewer**

2019-present The Laryngoscope. 2018-present Oral Oncology.

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.

2007-present Canadian Medical Association Journal.

2007-present Head & Neck.

2006-present Journal of Otolaryngology-Head and Neck Surgery.

2006-present Otolaryngology Head & Neck Surgery.

# GOODEN, E

2020-present	Chair. Equity, Diversity and Inclusion Task Force, North York General Hospital.
2018-present	Chair. Development Committee, North York General Hospital Foundation Board.

2018-present Director. Face the Future Foundation.

2010-present Director. North York General Hospital Foundation Board.

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

# GORDON, K

2020-2023	Member. Program (	Committee, <i>A</i>	Association for	Research in	Otolaryngology.

2017-2019 Chair. Conference on Implantable Auditory Prostheses.

# The Hospital for Sick Children

2019 Reviewer. Canadian Child Health Clinician Scientist Program.

### **Institute of Medical Science**

2020-present	Member. Executive Committee, University of Toronto.
2020-present	Member. Leadership Committee, University of Toronto.
2019-present	Chair. Appointment Committee, University of Toronto.
2014-2019	Member. Appointment Committee, University of Toronto.

# **GULLANE**, P

# North American Skull Base Society

1989-present Founding Member.

# The Saudi Journal of Oto-Rhino-Laryngology Head and Neck Surgery

1999-present Member. International Advisory Board.

### **Ontario Cancer Institute**

2000-present Senior Scientist. Cancer Informatics Division (Sub Committee of Research Council).

## Member, Editorial Board

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

2003-present Online Journal Head and Neck Surgery-Oncology.

2000-present The Laryngoscope.

1993-present American Journal of Otolaryngology.

2000-present Head & Neck.

# **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.

## **Editorial Review Board**

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

# HARRISON, R

2019 Joint Organizer. 4th International Hearing Loss Conference. 2017-2019 Member. CIHR Grants committee, Fellowship Competition.

2017-present Member, CIHR Grants committee, BSC Project Grant Competitions.

2017-present Member. Canadian Hearing and Auditory Research Translation (CHART) group.

2017-present Member. Canadian Cochlear Implant Centres Group Annual Meeting.

2015-present Consultant. Health effects of wind turbine noise. Council of Canadian Academies.

# HIGGINS, K

2020-2022 Member. Plastic and Reconstructive Surgery Committee, American Academy of Otolaryngology

Head and Neck Surgery.

2020 Member. AHNS 10th International Conference Program Committee, American Head and Neck

Society.

2020-present Member. Cancer Care Ontario, Head and Neck Pandemic Response Group. 2019-present International Liaison. American Head and Neck Society, Endocrine Section.

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

Head & Neck Surgery.

2019-present Chair. Poster Jury, Scientific Program Committee, Canadian Society of Otolaryngology-Head &

Neck Surgery.

2019-present Executive Member. Fellowship Steering Committee, Advanced Triologic Training Council

Fellowship Program, Division of Head and Neck Surgery, Department of Otolaryngology-Head and

Neck Surgery.

2018-present Member. Cancer Surgery QBP Working Group (HNK).

2018-present Member. Esophageal Cancer Working Group, Cancer Care Ontario, Canada.

2018-present Surgical Lead. Craniofacial Prosthetic Unit, Extra-Oral Devices Implantation Program, Odette

Cancer Centre.

2017-present Member. Sunnybrook's Sustainability Program Office (SPO), Sunnybrook Health Sciences Centre.

2017-present	Member. Dean's Faculty Council, Faculty of Medicine, University of Toronto, MD Program.
2016-present	Member. Council of Academic Hospital of Ontario Physician Quality Improvement Initiative,
	Department of Otolaryngology-Head & Neck Surgery, Faculty of Medicine.
2016-present	Member. Oropharyngeal Cancer Pathway Map Working Group, Ontario, Cancer Care Ontario.
2016-present	Type 1 Investigator. Otolaryngology, Canadian Cancer Trials Group, Queen's University, Cancer
	Research Institute.
2016-present	Member. CPOE Advisory Committee, Sunnybrook Health Sciences Centre.
2015-present	Co-chair. Head and Neck ERAS program, Sunnybrook Health Sciences Centre.
2015-present	Member. Minimally Invasive Surgery Committee, Sunnybrook Health Sciences Centre.
2014-present	Site Group Leader. Head and Neck Site Group, Odette Cancer Centre.
2014-present	Member. Scientific Program Committee, Canadian Society of Otolaryngology-Head & Neck
	Surgery.
2014-present	Member. Head and Neck Disease Site Group, Cancer Care Ontario.
2014-present	Undergraduate Site Director. Sunnybrook Health Sciences Centre.
2012-present	Member. Undergraduate Committee, Department of Otolaryngology-Head & Neck Surgery,
	Sunnybrook Health Sciences Centre.
2011-present	Member. Endocrine Site Group Leader, Odette Cancer Centre, Sunnybrook Health Sciences
	Centre.
2010-present	Member. Program in Evidence-Based Care, Cancer Care Ontario.
2008-present	Member. Division of Facial Plastic and Reconstructive Surgery, Department of Otolaryngology-
	Head & Neck Surgery.
2006-present	Member. Melanoma Site Group, Odette Cancer Centre, Sunnybrook Health Sciences Centre.
2003-present	Member. Fellowship Selection Committee. Division of Head and Neck Surgery, Department of
	Otolaryngology-Head & Neck Surgery.

# **Manuscript Reviewer**

2019-present	Journal of Reconstructive Microsurgery.
2014-present	JAMA Otolaryngology-Head & Neck Surgery.
2012-present	Craniomaxillofacial Trauma & 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

2020-2022	Member. Head and Neck Surgery & Oncology Committee, American Academy of Otolaryngology-
	Head and Neck Surgery.
2020	Member. Eugene N. Myers International Lecture on Head and Neck Cancer Selection Committee,
	American Academy of Otolaryngology-Head and Neck Surgery.
2019	Network Co-chair. Implementation Network: National Surgery Standards, Canadian Partnership
	Against Cancer.
2018-2020	Member. Program Committee, Chicago, 10th International Conference on Head and Neck Cancer.
2018-2021	Past-President. American Head and Neck Society.
2017-present	Head. Division of Head and Neck Oncology and Reconstructive Surgery, Department of
	Otolaryngology-Head & Neck Surgery, University of Toronto.

2017-present Member. Executive Committee, Asia-Pacific Society of Thyroid Surgery.

2000 Member. Scientific Review Committee, 5th International Conference on Head and Neck Cancer.

### **Cancer Care Ontario**

2012-present Clinical Sponsor. Co-chair Sarcoma Services Advisory Committee.

2009-present Member. Provincial Oncology Alternate Funding Plan (CCO representative).

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.
2006-present Chair. Surgery-Diagnostic Imaging Access to Care Advisory Council.

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

# Ministry of Health and Long-Term Care

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

## **Ontario Institute of Cancer Research**

2020 Member. Board of Directors.

### **Associate Editor**

2010-present Head & Neck.

# **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.

# JAMES, A

2019-present Board member (Scientific research advisor). International Working Group Endoscopic Ear Surgery.

2018-present Secretary. International Otology Outcome Group.

### **Member Editorial Board**

2016-present The Journal of International Advanced Otology.

2016-present Otology & Neurotology.

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

# LE, T

2019 Committee Member. Cochlear Implant RFP. Sunnybrook Health Sciences Centre.

2017-present Reviewer. Journal of Otolaryngology Head & Neck Surgery.

2017-present Reviewer. CSO Otology papers.

# LEE, J

2017-present Member. Scientific Awards Committee American Rhinologic Society.

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

Toronto.

2014-present Faculty Member. F1000 Prime: Section on Rhinology and Paranasal Sinus Disease.

2014-present Member. Advisory Board. F1000 Research.

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

# 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.

2008-present Journal for Oto-Rhino-Laryngology, Head and Neck Surgery.

# LIN, V

2019-present ATC Clinical Lead. Otolaryngology Surgery, Cancer Care Ontario. 2018-present Chair. Otolaryngology Section, Ontario Medical Association.

2017-present Examiner. Otology/Neurotology section, Royal College of Physicians and Surgeons of Canada.
2017-present Otology/Neurotology Expert Advisor. Health Technology Assessment. Health Quality Ontario.
2015-present National Lead. Canadian Society of Otolaryngology-Head & Neck Surgery, Choosing Wisely

Canada.

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

Otolaryngology-Head & Neck Surgery, Faculty of Medicine, Patient and Public Education. Ontario

Health Study.

2011-present Reviewer. F1000. Otolaryngology.

# Canadian Society of Otolaryngology-Head & Neck Surgery

2018-present Scientific Program Chair. Executive Committee.
2016-present Council Member. Vestibular Working Group.
2009-present Council Member. Otology Working Group.

# **University of Toronto**

2017-present Member. AFP Innovation Grant Review Committee. Sunnybrook Health Sciences Centre, Faculty of

Medicine, Department of Otolaryngology-Head & Neck Surgery.

2017-present Member. Quality and Safety Committee, Sunnybrook Health Sciences Centre, Department of

Otolaryngology-Head & Neck Surgery, University of Toronto.

2013-present Postgraduate Director. Sunnybrook Health Sciences Centre, Department of Otolaryngology-Head

& Neck Surgery, Faculty of Medicine, Postgraduate MD.

2011-present Research Advisor. Postgraduate Committee, Research Coordinator, Department of

Otolaryngology-Head & Neck Surgery, Faculty of Medicine, Postgraduate MD. Resident Research

Supervisor/Coordinator.

2008-present Contributor. Otolaryngology-Head & Neck Surgery Annual Resident In-Service Examination,

Department of Otolaryngology-Head & Neck Surgery, Faculty of Medicine, Postgraduate MD.

### **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 American Journal of Case Reports.

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

# LIN, J

2020-present Associate Editor. Journal of Otolaryngology-Head & Neck Surgery.

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2020-present	Course Director. Certificate Course in Quality Improvement and Patient Safety. Centre for Quality
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Improvement and Patient Safety, University of Toronto.

2019-present Committee Member. Head and Neck Oncology Quality Based Procedure Working Group. Cancer

Care Ontario.

2018-present Committee Member. Sinai Health NSQIP Working Group. Sinai Health.

2017-present Member. Sinai Health Quality of Care Committee. Sinai Health.

2017-2020 Associate Course Director. Certificate Course in Quality Improvement and Patient Safety. Centre

for Quality Improvement and Patient Safety, University of Toronto.

2017-present Committee Member. Best Practices in General Surgery.

2017-present Committee Representative. Quality and Patient Safety and Sinai Health, Competence Committee.

Postgraduate Medical Education, Department of Otolaryngology-Head & Neck Surgery. University

of Toronto.

2017-present Committee Representative. Quality and Patient Safety and Sinai Health. Lead Quality Improvement

and Patient Safety. Postgraduate Medical Education-Department of Otolaryngology-Head & Neck

Surgery. University of Toronto.

2017-present Committee Member. Medical Devices Reprocessing Committee, Sinai Health.

2017-present Core Member. Centre for Quality Improvement and Patient Safety. University of Toronto.

2016-present Committee Member. UHN Young Leaders Advisory Committee. Toronto, Ontario.

2015-present Member. Rhinology Working Group. Canadian Society of Otolaryngology-Head & Neck Surgery.

2015-present Member. Canadian Association of Head and Neck Surgical Oncologists/Head and Neck Oncology

Working Group. Canadian Society of Otolaryngology-Head & Neck Surgery.

# NAZARALI, K

2016-present Member, Pharmaceuticals and Therapeutics Committee. Trillium Health Partners.

# PAPAIOANNOU, V

2019-present Member. Unilateral Hearing Loss in Children Position Paper Ad-Hoc Committee, Speech and

Audiology Canada.

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

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

Toronto.

2016- 2019 Board Member. Society for Ear Nose and Throat Advances in Children.

2001-present Member. Society for Ear Nose and Throat Advances in Children.

1988-present Member. Canadian Association of Speech Language Pathologists and Audiologists (now Speech-

Language and Audiology Canada).

# PAPSIN, B

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

2011-present Chair. Board of Examiners. Undergraduate Medical Program. University of Toronto.

2010-present Member. How I do it Committee. The Triologic Society.

# American Society of Pediatric Otolaryngology

2019-present Past-President.

2019-present Chair. Nominating Committee. 2019-present Member. Finance Committee.

# **Politzer Society**

2018-present Member. Board of Directors.

### **Editorial Board Reviewer**

2010-present Journal of International Advanced Otology.

2010-present Journal of Otology and Neurotology.

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

2004-present BMC Ear, Nose and Throat Disorders.

2004-present International Journal of Pediatric Otorhinolaryngology.

2003-present The Laryngoscope.

2003-present American Academy of Otolaryngology-Head and Neck Surgery.

# **Manuscript Reviewer**

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

# PROPST, E

## The Aerodigestive Society

2018-present Member. Strategic Committee.

# American Society of Pediatric Otolaryngology

2020-present Member. Ad Hoc COVID-19 Committee.

2018-present Canadian Lead. Committee to identify vulnerable populations within our borders, Postgraduate MD.

2018-present Member. Committee on the Contemporary Landscape of Multidisciplinary Aerodigestive Care and

the Pediatric Otolaryngologist's Role.

2017-present Member. Fellowship Committee, Postgraduate MD.

# **Childhood Arthritis and Rheumatology Research**

2016-present Member. Periodic Fever Aphthous Stomatitis Pharyngitis, Cervical Adenitis Clinical.

# **Hospital for Sick Children**

2019-present Member. Quality & Safety: Perioperative Services Strategic Planning Working Group.

2017-present Member. Hospital Wide Morbidity and Mortality Committee.
2016-present Supervisor. Safe Tracheotomy Care Parent Information Booklet.

2015-present
 2014-present
 2014-present
 2014-present
 2014-present
 Supervisor. Decreasing Tracheotomy Stay Initiative.

2013-present Member. Multidisciplinary Tracheoesophageal Fistula Clinic.

2013-present Medical Advisor. Parent Education Group, Hospital Improvement Taskforce. Ambulatory Design

Committee. Ontario.

2012-present Director. Flexible Endoscopic Evaluation of Swallowing Clinic.

2011-present Co-director. Disorders Relating to the Airway and Mouth in Sleep Clinic.

2010-present Member. Stem Cell Working Group, Multilevel Education (For generating cartilage constructs such

as septal cartilage and complete tracheal replacement).

# International Federation of Otorhinolaryngological Societies

2019-present Member. 2021 Sleep Surgery Organizing Committee.

# Society for Ear, Nose and Throat Advancement in Children

2019-2020 Member, Executive Committee.

## **Vector Medical / Air Canada Jazz**

2016-present Member. Guideline Development, Medical Screening and Monitoring.

# **Other Organizations**

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

2016-present Member. Airway Reconstruction Outcomes Consensus Group, Faculty of Medicine, Postgraduate

MD.

# SINGH, P

2020-present Associate Editor. Journal of Otolaryngology-Head & Neck Surgery.
2017-present Surgeon Champion. National Surgical Quality Improvement Program.

# Scarborough Health Network

2020-present Committee Member. EPIC Surgical and Perioperative LEAN Workgroup.

2020-present Committee Member. EPIC Surgical Order Set Committee.

2020-present Quality Improvement Project Lead. Surgical Site Reduction Action Plan.

2020 Committee Member. Innovation & System Redesign Virtual Work Stream.

2019 –2020 Quality Improvement Project Lead-Opioid Prescription Reduction Action Plan.

2018 –2019 Quality Improvement Project Lead-UTI Rate Reduction Action Plan.

2018-present Lead. Quality Improvement, Department of Surgery.

# SMILSKY, K

2016-present Member. Audiology Advisory Board, MedEl Corporation.

# **VESCAN, A**

# North American Skull Base Society

2014-present Co-chair. Scientific Program Committee.

2013-present Member. Membership Credentialing Committee.

# Canadian Society of Otolaryngology-Head & Neck Surgery

2013-present Member. Undergraduate Medical Education Committee.

2011-present Member. Rhinology Working Group.

# **Manuscript Reviewer**

2012-present Head & Neck. 2009-present Allergy & Rhinology.

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

2008-present The Laryngoscope.

2007-present Skull Base.

# WITTERICK, I

# **American Head & Neck Society**

2019-2020 Member. Scientific Program/Resident Courses Service.

2018-present Vice-Chair. Skull Base Surgery Section.

# Canadian Society of Otolaryngology-Head & Neck Surgery

2019-present President.

2016-present Member. Canadian Society of Otolaryngology-Head & Neck Surgery Council.

2012-present Member. Canadian Otolaryngology Academic Chairs Committee.

2002-present Member. Head & Neck Oncology Group.

2002-present Member. Rhinology Group.

# **Faculty of Medicine, University of Toronto**

2020-present Member. Advisory Group to the Director of the Institute of Medical Science.

2016-present University Clinical Department Chair representative. Toronto Academic Health Sciences Network

Medical Affairs Committee.

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

2008-present Member. Steering Committee, Surgical Skills Centre.

# Global Online Fellowship in Head & Neck Surgery and Oncology

2018-present Director.

# International Federation of Otorhino Laryngolgical Societies

2018-present Organizing Committee. June 2021 Congress.

# North American Skull Base Society

2019-present Member. Board of Advisors. 2011-present Member. Board of Directors.

# Royal College of Physicians and Surgeons of Canada

2016-present Member. International (residency) Program Review Accreditation Committee.

# Sinai Health

2012-present Chief. Department of Otolaryngology-Head & Neck Surgery, Sinai Health.

2012-present Member. Medical Advisory Council.

# **World Congress on Thyroid Cancer**

2017-present Member. Steering Committee, 4th World Congress on Thyroid Cancer.

## **Associate Editor**

2010-present American Journal of Rhinology & Allergy.

## **Member Editorial Board**

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

2010-present Journal of Neurological Surgery, Part B: Skull Base.

2009-present Ear, Nose & Throat Journal.

# **Manuscript Reviews**

2019-present Oral Oncology.

2018-present Canadian Medical Association Journal.

2014-present BMJ Case Reports.

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.

# **WOLTER, N**

2020-present Residency Site Education Director. Department of Otolaryngology-Head & Neck Surgery, Hospital for

Sick Children.

2019-present Program Committee Member. Difficult Airway Committee. Perioperative Services Advisory

Committee. Hospital for Sick Children.

2019-present Program Committee Member. POCU Quality & Patient Safety Committee. Perioperative Services.

Hospital for Sick Children.

2019-present Program Committee Member. Surgical Site Infection (SSI) Action Committee Perioperative

Services. Hospital for Sick Children.

2019 Co-director. Toronto International Pediatric Endoscopic and Open Airway Surgery Workshop.

Hospital for Sick Children.

2008-present MD Admissions File Reviewer. Undergraduate Medical Education, Faculty of Medicine, University

of Toronto.

#### **Peer Reviewer**

2017-present Journal of Otolaryngology-Head & Neck Surgery.

2017-present The Laryngoscope.

2017-present PLoS ONE.

2016-present International Journal of Pediatric Otorhinolaryngology.

#### YIP, J

2017-present Member. Resident & Fellows Committee, American Rhinologic Society.

# **Research Grants and Contracts**

ANDERSON, J	
2019	Co-investigator. Comparison of Blue light and KTP Laser Treatment for RRP in Adult Ambulatory Population. St. Michael's Hospital Innovation Grant. Co-investigator(s): Anderson J, Lin, RJ. \$12,000 CAD.
CAMPISI, P	
2019-2020	Co-principal Investigator. Development and Validation of an Intelligent Otoscope. Raymond Ng and Wendy Chui Foundation for Innovation and Commercialization Grant. P. Campisi, V. Forte. \$230,000 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.
CHAN, Y	
2020	Development of Training Model for Managing Internal Carotid Artery Hemorrhage and Cerebrospinal Fluid Leaks During Sinus Surgery. Harry Barberian Scholarship, Department of Otolaryngology-Head & Neck Surgery, University of Toronto. \$9,960 CAD.
CHEPEHA, D	
2019- present	Principal Investigator. Mapping the Microbiome in Oral Cavity Squamous Cell Carcinoma. Harry Barberian Scholarship. University Health Network. 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-present	Principal Investigator. Are Markers of Epithelial Mesenchymal Transition Related to Pattern of Invasion in Patients with Oral Cavity Squamous Cell Carcinoma. Harry Barberian Scholarship. University Health Network. 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. University Health Network. \$175,600.40 CAD.

Co-investigator. Physiological Flow of Liquids Used in Dysphagia Management. NIH Grant. 2015-present University Health Network. \$2,576,130 CAD. CUSHING, S 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. DABDOUB, A 2020 - 2025 Principal Investigator. Engineering Approaches for the Point-of-Care Diagnosis of Inner Ear Disorders Based on the Rapid Detection of Blood Biomarkers. Natural Sciences and Engineering Research Council-NSERC. \$165.000 CAD. 2020-2021 Co-principal Investigator. Using Human Inner Ear Organs to Develop New Regenerative Therapies for Hearing and Balance Disorders. University of Melbourne-University of Toronto Joint Research Initiative. \$30,000 CAD. 2019-2020 Principal Investigator. Medicine by Design: Regeneration of Auditory Neurons for the Treatment of Hearing Loss. Canada First Research Excellence Fund. \$75,000 CAD. 2018-2020 Principal Investigator. Understanding the Blood-Inner Ear Barrier. Krembil Foundation. \$584,000 CAD. DE ALMEIDA, J 2020-2021 Principal Investigator. A Feasibility Trial of Lymphatic Mapping with SPECT-CT for Evaluating Contralateral Disease in Lateralized Oropharynx Cancer. Harry Barberian Scholarship. Department of Otolaryngology-Head & Neck Surgery, University of Toronto. \$10,000 CAD. 2019-2020 Principal Investigator, Cost-Effectiveness of Endoscopic Endonasal Versus Transcranial Approaches for Olfactory Groove Meningioma. Harry Barberian Scholarship. Department of Otolaryngology-Head & Neck Surgery, University of Toronto. Co-investigator(s): Terence Fu. 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. Pl: Anthony Nichols. Co-investigator(s): Sumit Agrawal. \$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. Canadian Cancer Society Innovation Grant. Pl: Anna Spreafico. Coinvestigator(s): Lillian Siu, Bryan Coburn, John Waldron, John Hilton, Wei Xu, Wendy Parulekar,

David Guttman. \$200,000 CAD.

2017 - 2020

Principal 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. Innovation Fund Surgical Oncology (Ontario Cancer Institute/Princess Margaret Cancer Centre. Co-investigators: John Kim, Rosemary Martino, David Goldstein, Raymond Jang, Douglas Chepeha, Scott Bratman, Ilan Weinreb, Eugene Yu, Ur Metser, Bayardo Perez-Ordonez, Wei Xu. \$70,000 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. Collaborator(s): Micahel Thaut, Bernhard Ross. \$394,000 CAD.

2019

Co-principal Investigator. Brain Activity During Auditory Working Memory in Cochlear Implant Users. Harry Barberian Scholarship. Co-PI: Priyanka Prince, MSc student. \$3,700 CAD.

#### **ENEPEKIDES, D**

2019-2025

Co-investigator. Business Lead Networks of Centres of Excellence (BL-NCE): Refined Manufacturing Acceleration Process 2.0 (ReMAP 2.0)- "Open Architecture Surgical Innovation Suite-OASIS: Creating an informational and imaging integrated operating room for the next generation of surgery". Principal Investigator: Victor Yang MD PhD. \$500,000 (total project value, \$1,500,000) CAD.

2020 - 2023

Co-investigator. An Evaluation of Patterns of Care, Survival and Healthcare Costs in Patients with Head and Neck Cancer. The Terry Fox New Investigator Award.

Principal Investigator: Dr. Antoine Eskander. Sponsoring Investigator: Dr. Natalie Coburn. Coinvestigator(s): Jonathan Irish, Danny Enepekides, John Kim, Frances Wright, Lesley Gotlib Conn, Zain Husain, Kelvin Chan, Julie Hallet, Alyson Mahar, Christopher Noel, Nicole Mittman Rinku Sutradhar. Houda Bahig. \$442.614 CAD.

2020-2022

Principal Investigator. Symptom Burden as a Predictor of Emergency Room Visits and Unplanned Hospitalizations in Patients with Head and Neck Cancer. Innovation Fund Sunnybrook Alternate Funding Plan Grant. Principal Investigator(s): Drs. Danny Enepekides and Antoine Eskander. Coinvestigator(s): Drs. Natalie Coburn, Jonathan Irish, Zain Husain, John Kim, Julie Hallet, Nicole Mittman, Rinku Sutradhar, Lesley Gotlib Conn, Frances Wright, Christopher Noel. \$100,000 CAD.

#### **ESKANDER, A**

2020-2023

Principal Investigator. An Evaluation of Patterns of Care, Survival and Healthcare Costs in Patients with Head and Neck Cancer. The Terry Fox New Investigator Award. Principal Investigator: Dr. Antoine Eskander Sponsoring Investigator: Dr. Natalie Coburn Co-investigator(s): Jonathan Irish, Danny Enepekides, John Kim, Frances Wright, Lesley Gotlib Conn, Zain Husain, Kelvin Chan, Julie Hallet, Alyson Mahar, Christopher Noel, Nicole Mittman Rinku Sutradhar, Houda Bahig. \$442,614 CAD.

2020-2022

Co-principal Investigator. Symptom Burden as a Predictor of Emergency Room Visits and Unplanned Hospitalizations in Patients with Head and Neck Cancer Innovation Fund Sunnybrook Alternate Funding Plan Grant. Principal Investigator(s): Drs. Antoine Eskander and Danny Enepekides. Co-investigator(s): Drs. Natalie Coburn, Jonathan Irish, Zain Husain, John Kim, Julie Hallet, Nicole Mittman, Rinku Sutradhar, Lesley Gotlib Conn, Frances Wright, Christopher Noel. \$100,000 CAD.

2020-2021

Co-investigator. What are the Safety and Health System Implications of Adapting Adjuvant Therapies to the Neoadjuvant Setting in Cancer Patients with Delayed Surgical Interventions due to COVID-19? Sunnybrook Foundation COVID-19 Research Initiative. Principal Investigator: Dr. Kelvin Chan Co-investigator(s): Matthew Cheung, Antoine Eskander, Ambika Parmar, Michael Raphael, Simron Singh, Jonathan Irish, Monika Krzyzanowska, Robin Macleod, Lauren Lapointe-Shaw, Steven Habbous. \$69,660 CAD.

2020-2021

Co-investigator. A Feasibility Trial of Lymphatic Mapping with SPECT-CT for Evaluating Contralateral Disease in Lateralized Oropharynx Cancer. Harry Barberian Scholarship. Collaborator(s): Eric Monteiro, David Goldstein. Principal Investigator: John de Almeida. \$10,000 CAD.

2020

Co-principal Investigator. Suicide and Self-Harm After a Diagnosis of Cancer: A Population-Based Study. Sherif Hanna Surgical Oncology Research Grant. Principal Investigator(s): Drs. Antoine Eskander and Julie Hallet. Co-investigator(s): Drs. Christopher Noel, Nicole Look-Hong, Elie IsenbergGrzeda, Rinku Sitrudhar, Zain Husain, Craig Earle. \$10,000 CAD.

2019-2022

Co-applicant. PREPARE Trial: A Parallel Arm Multicenter Randomized Trial of Frailty-Focused PReoperative Exercise to Decrease PostoperAtive Complication Rates and Disability scorEs. CIHR Project Grant. Principal Investigator(s): Principal Applicants: Daniel McIsaac, Dean Fergusson, Rachel Khadaroo, John Muscedere, Monica Taljaard Co-applicant(s): 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

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 Investigator(s): 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. Collaborator(s): Natalie Coburn, Jolie Ringash, Simron Singh. Resident Investigator: Christopher Noel. \$10,000 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-investigator(s): Jesse Pasternak, Jason Pole. \$40,386 CAD.

#### **GOLDSTEIN, D**

2020-2025

Co-applicant/Investigator. Prognostic Biomarkers and Novel Therapies for Oral Cavity Squamous Cell Carcinoma Patients. Canada Institutes of Health Research (CIHR) Project Grant. Pls: Laurie Ailles, Benjamin Haibe-Kains. Co-applicant(s): Scott Bratman, David Goldstein, Andrew Hope, Thomas Kislinger, Trevor Pugh, Anna Spreafico, Wei Xu. \$1,051,875 CAD.

2019 - 2022

Co-principal Investigator. Active Surveillance of Low Risk Papillary Thyroid Cancer: Program Expansion in Quebec. Canadian Cancer Society innovation to impact grant. Co-primary Investigator: Sawka A; Co-applicants: Baxter N, Jones J. \$450,000 CAD.

2019-2024

Co-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). Project Grant. Co-primary Investigator: Sawka A; Co-applicant(s): Baxter N, Ghai S, Tomlinson G, Gafni A, Jones J. \$1,013,625 CAD.

#### GORDON, K

2020

Chair. Cochlear America's Chair in Auditory Development, Endowment funds generates approximately \$100,000 CAD annually.

2020

Co-principal Investigator. Research Endowment, Autism and Apraxia, Co-Pls: Elizabeth Pang and Karen Gordon, \$250,000 CAD.

2019

Primary Investigator. Novel Treatment to Promote Spatial Hearing in Children who are Deaf. Co-investigator(s): Papsin BC, Cushing SL; Collaborator(s): Scollie S, Papaioannou V. CIHR Project Grant. \$559,980 CAD.

#### HARRISON, R

2020

Principal Investigator. Hearing Loss Caused by Cytomegalovirus (CMV) Infection: Investigation of the Final Stages of Pathogenesis. Harry Barberian Scholarship. \$7,118 CAD.

2014-2019

Principal Investigator. The Changing Balance of Neural Inhibition vs. Excitation During Auditory System Development. CIHR Operating Grant. \$121,803 CAD.

#### HIGGINS, K

2020-2022

Co-investigator. A Pilot Study of the Inflammatory Response in Oral Squamous Cell Carcinoma by Saliva, Plasma and Tissue Analysis. Canadian Institute of Health Research team grant (CIHR).

Collaborator(s): Grace Bradley, DDS, MSc. FRCD(C), Marco Magalhaes, DDS, PhD; Beatrice Lau, DDS, MSc. Dept. of Dentistry, Sunnybrook Health Sciences Centre, Faculty of Dentistry, University of Toronto. \$100,000 CAD.

2020

Co-investigator. Magnetic Resonance-Guided Focused Ultrasound for Head and Neck Cancer-A Pilot Study. Focused Ultrasound Foundation. Karam, I, Higgins, K. FUS Research Awards Program FUS197R1. \$50,380.77 USD.

2019-present

Co-principal Investigator. Analysis of Patterns of Recurrence in Head and Neck Cancer Using Clinicopathomic Markers. Kavelman Fonn Clinical Trial Grant. Collaborator(s): Tran W, Karam I, Curpen B, Weinreb I, Higgins K, Tabbarah S, Law C, Czarnota G. \$75,000 CAD.

2019-present

Co-investigator. Protective Effects of Sodium Thiosulfate and Mannitol Against Cisplatin-Induced Hearing Loss: A Phase II Randomized Controlled Trial. New frontiers in Research Fund-Exploration. Collaborator(s): Lin, V, Chen, J, Enepekides, D, Karam, I, Poon, I, Hussain, Z, Eskander, A, Higgins, KM. \$125,000 CAD.

2018-present

Co-investigator. 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". Sunnybrook Health Sciences Centre Education Research and Scholarship Grant. Principal Investigator: Ellis, J. Collaborator(s): Higgins, KM. \$8,500 CAD.

2017-present

Principal Site Investigator. A Randomized Phase 2 Trial of Neoadjuvant and Adjuvant Therapy with the IRX-2 Regimen in Patients with Newly Diagnosed Stage 3 or 4a Squamous Cell Carcinoma of the Oral Cavity- INSPIRE Trial. IRX therapeutics. \$85,000 CAD.

2015-present

Co-investigator. The Application of MR-Guided HIFU for Regionally Recurrent Unresectable Head and Neck Carcinoma. FUS Foundation. Principal Investigator: Lee, J. Collaborator(s): Enepekides, D, Higgins, KM. \$75,000 CAD.

2014-present

Co-investigator. Defining a Personalized Hypoxic Radiation Target Through Correlation of Functional F18-FAZA PET Imaging to Pimonidazole-Stained 3D Whole-Mounted Histological Specimen. University of Toronto Department of Radiation Oncology/Cancer Imaging Network of Ontario. Principal Investigator: Poon, I. Collaborator(s): Higgins, KM, Yaffe, M, Ward, A, Enepekides, D, Weinreb, I, Zukotynski. K. \$80,000 CAD (UT-DRO: \$50,000 CAD / CINO: \$30,000 CAD).

#### IRISH, J

2020 - 2023

Knowledge User. Symptom Burden as a Predictor of Emergency Room Visits and Unplanned Hospitalizations in Patients with Head and Neck Cancer-An Evaluation of Patterns of Care, Survival and Healthcare Costs in Patients with Head and Neck Cancer. Terry Fox New Investigator Award. Pl: A. Eskander. \$445,314 CAD.

2020– 2022	Co-investigator. Symptom Burden as a Predictor of Emergency Room Visits and Unplanned Hospitalizations in Patients with Head and Neck Cancer. AFP Innovation Fund. PI: A Eskander. \$100,000 CAD.
2020– 2021	Knowledge User/Collaborator. Approaches to Support Mental Health of Diverse Patients on Wait Lists for Procedures Delayed by COVID-19. CIHR Operating Grant. Pl: A Gagliardi. \$49,980 CAD.
2019– 2023	Co-investigator. Using Real-World Data to Simulate the Effects of Efficient Referral Strategies on Wait Times for Elective Surgery in Canada. Spring 2019 CIHR Project Grant: Health Services and Policy Research. Pl: David Urbach. \$673,200 CAD.
2019– 2021	Co-principal Investigator. 3-D Fluorescence Imaging for Guidance of Head and Neck Cancer Surgery. The Raymond Ng and Wendy Chiu Foundation for Innovation in OHNS Award. Co-PI: Michael Daly. \$200,000 CAD.
2017– 2022	User. Precision Cancer Medicine. Project 4: Image Guided Therapy. Canada Foundation for Innovation. PI: Brad Wouters. \$29,517,912 (total) \$11,807,165 (CFI) \$800,000 (for GTx-Lab CBCT-J Irish).
2017– 2022	Co-principal Investigator, Project 3 Leader. Porphysome Nanoparticle-Enabled Image-Guided Cancer Interventions. The Terry Fox New Frontiers Program Project Grant. Pl: Gang Zheng \$6,616,301 CAD.
2017– 2022	Program Expert. Porphyrin Nanomedicine for Cancer Imaging and Therapy. CIHR Foundation Grant. Pl: Gang Zheng. Other Program Experts: K Yasufuku, M Bernardini, S Ghai, A Oza. \$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, G. \$250,000 CAD.
JAMES, A	
2019-2020	Principal Investigator. Development of Surgical Instruments to Facilitate Endoscopic Ear Surgery. Perioperative Services, Hospital for Sick Children. Facilitator Grants Program. Collaborator: Swarup, A. \$9,000 CAD.
2018-2020	Principal Investigator. Steerable Endoscopic Ear Surgery Instrument. SickKids Proof-of-Principle Grant Competition Collaborator(s): Andrysek J, Swarup A. \$56,000 CAD.

LE, T	
2020-2022	Principal Investigator. Magnetic Targeting Delivery of Neurotrophic Gene Therapy for the Treatment of Hearing Loss. Triological Society Career Development Award. \$40,000 USD.
2020-2021	Co-investigator. Liquefaction: A Proof-of-Concept Adjuvant Strategy for Cholesteatoma Eradication. Harry Barberian Scholarship. \$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.
2017-2021	Principal Investigator. Magnetic Targeting Delivery of Stem Cell and Gene Therapy to the Inner Ear. Start-up Fund. Sunnybrook Hearing Regenerative Program. \$300,000 CAD.
LEE, J	
2020-present	Principal Investigator. Levels of Nasal Nitric Oxide and Inducible Nitric Oxide Synthase Expression in Chronic Rhinosinusitis with Nasal Polyposis. Harry Barberian Scholarship. Collaborator(s): Wu V. \$10,000 CAD.
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 Scholarship. Collaborator(s): Wu V, Lee D. \$5,295 CAD.
LIN, V	
2020-2021	Co-investigator. Liquefaction: A Proof-of-Concept Adjuvant Strategy for Cholesteatoma Eradication. Department of Otolaryngology-Head & Neck Surgery. Harry Barberian Scholarship. Pl: Sykes, E. \$10,000 CAD.
2019-2024	Consultant. Role of Health Literacy and Alzheimer's Disease and Related Dementia in Older Adults with Hearing Loss. Pl: McKee, M. \$606,904 USD.
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. Pl: Anthony Nichols. \$30,000 CAD.
2018-2019	Co-investigator. The Incidence of Hearing Loss in the Homeless Population of Toronto. Department of Otolaryngology-Head & Neck Surgery. Harry Barberian Scholarship. Pl: Noel C, Mok F. \$6,000 CAD.

LIN, J	
2020-Present	Principal Investigator. Surgical Protective Barriers for AGMP in the Head & Neck Region for SARS-CoV2 and Similar Respiratory Pathogens. SMHA, Forte V. \$25,000 CAD.
2020 -2021	Principal Investigator. Comparison of Transcriptomic Changes in Idiopathic Subglottic Stenosis & Normal respiratory Mucosa Using High Throughput RNA Sequencing. American Laryngological Association, Nichols A. \$10,000 USD.
MONTEIRO, E	
2020	Co-investigator. A Feasibility Trial of Lymphatic Mapping with SPECT-CT for Evaluating Contralateral Disease in Lateralized Oropharynx Cancer. Harry Barberian Scholarship. De Almeida J, Monteiro E, Eskander A, Goldstein DP. \$10,000 CAD.
2020	Co-investigator. Molecular Testing for Malignancy in Cytologically Indeterminate Thyroid Using Multiplexed and Ultrasensitive Digital PCR and qPCR Platform. Harry Barberian Scholarship. Fu G, Monteiro E, Vescan A, Freeman J, MacMillan C, Witterick I. \$10,000 CAD.
2020	Co-investigator. Molecular Testing of Indeterminate Thyroid Nodules. Raymond Ng and Wendy Chui Foundation for Innovation in Otolaryngology-Head & Neck Surgery Grant. Lerner J, Zahedi A, Gomez K, James J, Wasserman J, Pasternak J, Monteiro E, Devon K, Wolter N, Shlien A, Mete O, MacMillan C, Boerner S, Witterick I. \$200,000 CAD.
2019	Co-principal Investigator. Cannabinoids for Chronic Rhinosinusitis. Raymond Ng and Wendy Chui Foundation for Innovation in Otolaryngology-Head & Neck Surgery Grant. Hamour A, Lee J, Lee J, Kotra L, Monteiro E, Vescan A. \$200,000 CAD.
PAPSIN, B	
2019	Co-investigator. Novel Treatment to Promote Spatial Hearing in Children who are Deaf. Primary Investigator: Gordon, KA, Co-investigator(s): Papsin BC, Cushing SL; Collaborator(s): Scollie S, Papaioannou V. CIHR Project Grant. \$559,980 CAD.
PROPST, E	
2020	Co-investigator. Positional Device as Therapy for Obstructive Sleep Apnea in Children. Ontario Thoracic Society. Breathe: The Lung Association. Collaborator(s): Indra Narang, Adele Baker, Sarah Selvadurai. \$49,778 CAD.
2019	Principal Investigator. Construct Validity of Surgical Simulators for Tracheostomy. SickKids Perioperative Services Facilitator Grants Program. Collaborator(s): Deonarain A, Looi T. \$9,700 CAD.

#### **VESCAN, A**

2019

Co-principal Investigator. Cannabinoids for CRS: An Untapped Novel Therapy. Raymond Ng and Wendy Chui Foundation for Innovation in OHNS. Collaborator(s): Lee J, Hamour A, Lee JW, Kotra L, Clark H, Monteiro E, Vescan A. \$200,000 CAD.

#### WITTERICK, I

2020

Co-principal Investigator. Molecular Testing of Indeterminate Thyroid Nodules. Raymond Ng and Wendy Chui Foundation for Innovation in Otolaryngology-Head & Neck Surgery, Department of Otolaryngology-Head & Neck Surgery, University of Toronto. Co-Pls: Witterick IJ, Lerner J, Collaborator(s): Zahedi A, Gomez K, James J, Wasserman J, Pasternak J, Monteiro E, Devon K, Wolter N, Shlien A, Mete O, MacMillan C, Boerner S. \$200,000 CAD.

2020

Co-principal Investigator. Molecular Testing for Malignancy in Cytologically Indeterminate Thyroid Nodules Using Multiplexed and Ultrasensitive Digital PCR and qPCR Platforms. Harry Barberian Scholarship, Department of Otolaryngology-Head & Neck Surgery, University of Toronto. Pls: Witterick IJ, Fu G. Collaborator(s): MacMillan C, Freeman JL, Vescan AD, Monteiro E. \$10,000 CAD.

#### **WOLTER, N**

2020-2021

Principal Investigator. RNA-Based Diagnostics for Pediatric Thyroid Cancer Treatment Stratification. Harry Barberian Scholarship. Applicant: Sebastian Ranguis. Supervisor: Nikolaus E. Wolter. Collaborator(s): Wolter JK, Wasserman J, Propst E, Youseff G. \$10,000 CAD.

2020-2021

Co-investigator. Molecular Testing of Indeterminate Thyroid Nodules to Inform Surgical Management. Raymond Ng and Wendy Chui Foundation for Innovation in Otolaryngology-Head & Neck Surgery Grant. Principal Applicant(s): Lerner-Ellis J; Witterick I. Collaborators: Zahedi A, Gomez Hernandez K, James J, Wasserman J, Pasternak J, Monteiro E, Devon K, Wolter NE, Shlien A, Mete O, MacMillan C, Boerner S. \$200,000 CAD.

2019 Dec-2020 Nov

Co-investigator. Assessment of the Angiogenesis and Inflammation Profiles of Children with Down Syndrome-Associated Congenital Heart Disease. POS Facilitator Grant. Collaborator(s): Goldenberg N, Faraoni D, Barron D, Wolter NE. \$10,000 CAD.

2019 Jun-2024 Jun

Co-investigator. Genetic Disorder of Mucociliary Clearance. Clinical and Translational Science Award (CTSA) National Institute of Health (NIH). Nominated Principal Investigator: Davis S. Coprincipal Investigator(s): Leigh M, Dell S, Ferkol T, Knowles, M, Krischer J, Milla C, Rosenfeld M, Sagel S, Shapiro A. \$6,249,996.000 USD.





# Residents & Fellows

PGY 1 Fahad Aldhahri Adam Kwinter Chantal Li Dongho (Brian) Shin Edward Sykes Grace Yi

PGY 2 Amr Hamour Jong Wook (John) Lee Vincent Wu Weining Yang Hedyeh Ziai

PGY 3
Justin Cottrell
Terence Fu
Daniel Lee
Christopher Noel
Shireen Samargandy
Jennifer Siu
Neil Verma

PGY 4 Neil Arnstead Peter Dixon Christopher Hong Florence Mok

PGY 5 Joel Davies Frédérick Laliberté Mirko Manojlovic Kolarski Sunita Rai Josie Xu























































Fellowship	Fellow	Country of Training	Mentor(s)
Head and Neck Surgical Oncology	Michael Au Ilyes Berania Michael Blasco Donovan Eu Konrado Massing Deutsch Wael Hasan Ashok Jethwa Andrew Sewell	Canada Canada United States Singapore Brazil Ireland United States United States	University Health Network: Drs. Dale Brown, Douglas Chepeha, John de Almeida, Jonathan Irish, Ralph Gilbert, David Goldstein, Patrick Gullane  Sinai Health: Dr. Jeremy Freeman  Sunnybrook HSC: Drs. Danny Enepekides, Kevin Higgins
University Health Network Otolaryngology Research Fellowship	Stefano Taboni (Research)	Italy	University Health Network: Drs. Ralph Gilbert, Jonathan Irish
Facial Plastic & Reconstructive Surgery	Sean Hashemi	United States	Dr. Oakley Smith
Facial Plastic & Reconstructive Surgery	Blake Raggio	United States	Dr. Jamil Asaria
Facial Plastic & Reconstructive Surgery	Chew Lip Ng	Singapore	Drs. Philip Solomon and Richard Rival
Paediatric Otolaryngology	Patricia Purcell Sebastian Ranguis Nichtima Chayaopas (Research) Colin Leonard (Research)	United States Australia Thailand United Kingdom	Hospital for Sick Children: Drs. Paolo Campisi, Sharon Cushing, Adrian James, Blake Papsin, Evan Propst, Nik Wolter
Rhinology, Skull Base and Head & Neck Oncology	Vikram Padhye	Australia	Sinai Health: Drs. Ian Witterick, Allan Vescan, Eric Monteiro
Otology Skull Base Surgery	Matthew Crowson Justin Lui	Canada Canada	Sunnybrook HSC: Drs. Joseph Chen, Vincent Lin
Medical & Surgical Otology/Neurotology	Khalid Alzaabi Rana Barake Michael Bergin Fatemeh Hassan Nia (Research) Priyanka Misale	Oman Lebanon Australia Iran India	University Health Network: Dr. John Rutka Markham Stouffville Hospital: Drs. Jerry Halik, Ambrose Lee
Laryngology	Paul Douglas-Jones	South Africa	St. Michael's Hospital: Dr. Jennifer Anderson





## **Departmental Awards**

These awards are normally presented on Percy Ireland Day or the evening before at the Percy Ireland dinner in May. Due to the pandemic, the awards ceremony was held virtually.



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





**Dr. Daniel Lee and Shireen Samargandy (PGY3) received The** Shiley E.O. Pelausa Awards - For demonstration of excellent clinical work by a PGY3.



**Dr. Justin Cottrell (PGY3) received the** *Dr. lan Witterick Excellence in Mentorship Award* – For demonstration of excellence in one or more of the following areas: research, education, mentorship and/or innovation.



**Dr. Vincent Wu (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. Justin Cottrell (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.

## **Fellow Award**



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

## **Teaching Awards**





Drs. Dale Brown, John de Almeida, Jonathan Irish, Jun Lin received *The Alma Smitheringale Excellence in Undergraduate Teaching Awards* - Awarded to a faculty member, resident or fellow for outstanding undergraduate teaching or curriculum development.









**Dr. Joel Davies and Mirko Manojlovic Kolarski received the** *Resident Teacher of the Year Awards* - Awarded to a PGY5 resident who is judged to have been an outstanding teacher to other residents and medical students during their residency.



**Dr. Matthew Crowson 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. Danny Enepekides 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. Ian Witterick received the** *Resident Advocate Award -* In recognition of dedication to improving the residency program through support and mentorship.

## **Research Awards**



**Dr. Justin Cottrell 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.





**Drs. Matsya Thulasiram and Christopher Noel received the** *Dr. Raymond H. W. Ng PhD Awards -* Awarded to students enrolled in a full-time PhD program in the Faculty of Medicine.

#### 2019-20 Harry Barberian Scholarship Awards

**John de Almeida** (David Goldstein, Eric Monteiro, Antoine Eskander)

A Feasibility Trial of Lymphatic Mapping with SPECT-CT for Evaluating Contralateral Disease in Lateralized Oropharynx Cancer (UHN, Sinai Health, Sunnybrook).

**Guodong Fu** (Ian Witterick, Christina MacMillan, Jeremy Freeman, Allan Vescan, Eric Monteiro) Molecular Testing for Malignancy in Cytologically Indeterminate Thyroid Nodules Using Multiplexed and Ultrasensitive Digital PCR and qPCR Platform (Sinai Health).

#### **Robert Harrison**

Hearing Loss Caused by Cytomegalovirus (CMV) Infection: Investigation of the Final Stages of Pathogenesis (SickKids).

#### Chantal Li, Justin Cottrell (Paolo Campisi)

Tracheostomy Emergencies Simulation Course: Testing the Effect of Integrated Instruction on Knowledge Acquisition and Retention Among Emergency Medicine Physicians Undergoing Complex Simulations (SickKids).

#### Thomas Looi, Ian Witterick, Yvonne Chan, Allan Vescan, Paolo Campisi, Eric Monteiro

Development of Training Model for Managing Internal Carotid Artery Hemorrhage and Cerebrospinal Fluid Leaks During Sinus Surgery (SickKids, Sinai Health, Trillium).

#### Emilia Luca (Alain Dabdoub)

Human Inner Ear Sensory Organs: Regenerative Response at Single Cell Resolution (Sunnybrook).

Sebastian Ranguis (Nik Wolter, Evan Propst, Jonathan Wasserman, George Yousef)
RNA-Based Diagnostics for Pediatric Thyroid Cancer Treatment Stratification (SickKids).

**Edward Sykes** (Joseph Chen, Vincent Lin, Trung Le)

Liquefaction: A Proof-of-Concept Adjuvant Strategy for Cholesteatoma Eradication (Sunnybrook).

Matsya Ruppari Thulasiram (Alain Dabdoub) Prevention of Norrie Disease-Associated Hearing Loss Using Gene Therapy (Sunnybrook).

#### Vincent Wu (John Lee)

Levels of Nasal Nitric Oxide and Inducible Nitric Oxide Synthase Expression in Chronic Rhinosinusitis with Nasal Polyposis (St. Mike's).

**Priyanka Prince Yogarajah** (Andrew Dimitrijevic) Brain Activity During Auditory Working Memory in Cochlear Implant Users (Sunnybrook).

**Hedyeh Ziai** (Doug Chepeha, Bryan Coburn, Carissa Thomas)

Inflammation and Microbiome in Head and Neck Squamous Cell Carcinoma (UHN).



# Annual Percy Ireland Dinner & Academic Day

MAY 7-8, 2020

The Percy Ireland Dinner and Academic Day was unfortunately cancelled due to the COVID-19 pandemic.





#### Dr. I. Witterick (Chair)

Members: Jennifer Anderson, Paolo Campisi, Yvonne Chan, Al Chiodo, Alain Dabdoub, Danny Enepekides, Andres Gantous, 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.



#### 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: Gianluca Sampieri

Our Undergraduate Medical Education (UME) Portfolio has experienced a year like no other with the pause of all Undergraduate Medical Education from March to June 2020, followed by the resumption of Clerkship in early July 2020. The Pre-Clerkship Foundations years are currently all being delivered remotely with a virtual curriculum. 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. The complete re-organization and delivery of medical school content, the double cohort of clerkship students and accreditation have placed immense pressure on our learners and faculty throughout the 2019-20 academic year.

#### **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.

#### **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. We have been very fortunate to receive funding from the university to purchase approximately 60 mobile OtoSim/OphthoSim units to help deliver the clerkship seminar content remotely with virtual OtoSim sessions. This program began in August and September 2020 and we are indebted to the contributions of Dr.Vito Forte and Dr. Paolo Campisi with helping bring this exciting opportunity to fruition.

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. Many of our community sites have had to pause the delivery of clerkship rotations due to COVID-19 and we hope that they will be able to come back online soon 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.

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 co-odinators, Drs. John Lee, Brad Hubbard and Andrea Donovan for their tireless effort in the delivery of UME for our department. I would like to also congratulate Drs. Dale Brown, John de Almeida, Jonathan Irish and Jun Lin for receiving the *Alma Smitheringale Undergraduate*Teaching Award this past year. Seeing our faculty recognized for their exceptional contributions is very gratifying.

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



#### Dr. Paolo Campisi (Chair)

The 2019-2020 academic year has presented many extraordinary challenges as a result of the COVID-19 pandemic. The required public health restrictions had an impact on all clinical, research, and educational activities within the postgraduate portfolio. Off-service rotations were suspended, surgical training severely curtailed, core teaching and surgical courses postponed, and research activities halted. Residents, fellows and faculty rapidly adjusted to modified clinical schedules, virtual care models, practice guidelines, and remote learning. They learned a new language that included words and acronyms such as social distancing, Zoom, PPE, and APG. Highlight events such as Percy Ireland Day, the Departmental Graduation Ceremony and Resident Retreat were either cancelled or held virtually. The Royal College examinations were postponed for months and modified to include a written exam only. In spite of these challenges, I am proud to report that the residents, fellows and faculty demonstrated incredible resilience and rapidly pivoted to meet the challenges of the new normal and resume most activities.

The 2019-2020 academic year was also a year full of many positive changes. It represented the third year following the introduction of a Competency-Based Education residency program. With this experience, our department provided important feedback to the Royal College Specialty Committee regarding CBME implementation that resulted in significant revisions to the required 'Entrustable Professional Activities' or EPAs. This experience was also helpful in guiding PGME on strategic decisions that would impact residency programs across the University of Toronto. Dr. Campisi continues to serve as Chair of

the BPEA IT Useability Working Group to further modify existing software to better serve the needs of Program Directors and Assistants.

The residency program developed and championed the use a procedure logging system that was in line with the ACGME and that was shared with all residency programs in Canada. This contributed to the decision of the American Board of Otolaryngology to extend to Canadian graduates American Board eligibility. This major change in policy would not have been possible without the tremendous support of Dr. Ian Witterick, the Specialty Committee and the Canadian Society of Otolaryngology-Head & Neck Surgery.

This PGME report also celebrates the ongoing outstanding contributions of our residents, fellows, and faculty to the Residency Program Committee (RPC) and Competence Committee. The 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. This has been particularly true in the latter half of the academic year as a result of the pandemic.

A sincere thank you to all of the members of the RPC for their invaluable contributions:

Sharon Cushing (Hospital for Sick Children)
Janet Chung (Trillium Health Partners)
Brad Hubbard (Michael Garron Hospital)
Eric Monteiro (Sinai Health & Quality
Improvement Committee)
Vincent Lin (Sunnybrook Health Sciences Centre & Research Committee)

John Lee (St. Michael's Hospital/Unity Health Toronto)

John de Almeida (University Health Network) Chantal Li (PGY1 representative)

Amr Hamour (PGY2 representative)

Shireen Samargandy (PGY3 representative)

Christopher Hong (PGY4 representative)

Mirko Manojlovic-Kolarski (PGY5 representative & Chief Resident)

Matthew Crowson & Chew Lip Ng (Fellow representatives)

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

#### Residents

There were 27 residents and 25 clinical and research fellows enrolled in postgraduate training programs within our department. Dr. Mirko Manojlovic-Kolarski served as the Administrative Chief Resident and represented the interests of the residents diligently. Dr. Manojlovic-Kolarski completed his term on April 30, 2020 and Dr. Florence Mok was subsequently elected as incoming Chief Resident. Thank you to Mirko and Florence for their excellent work on behalf of the residents.

Congratulations to Drs. Joel Davies, Frederick Laliberte, Mirko Manojlovic Kolarski, Sunita Rai and Josie Xu for completing their residency training. Joel and Josie have secured fellowship training positions in Head & Neck Surgical Oncology (Joel) and Sleep Medicine (Josie) programs in the United States. Mirko has rejoined our department as a Head & Neck Surgical Oncology fellow. Sunita and Fred have initiated their practice in the community.

#### **Resident Selection**

The CaRMS selection process was held on Friday, January 31, 2020 using best practice guidelines. The process included file reviews, traditional interviews, multiple-mini interviews (MMI), and a surgical skills station. The traditional interviews were conducted by Drs. Paolo Campisi, Ian Witterick, Mirko Manojlovic-Kolarski, Chris Noel, Florence Mok and Justin Cottrell. The MMIs were co-administered by faculty-resident teams: Drs. John de Almeida and Hedyeh Ziai, Drs. Yvonne Chan and John Lee, Drs. Vincent Lin and Grace Yi, Drs. R. Jun Lin and Amr Hamour. The surgical skills station was prepared and administered by Drs. Neil Arnstead and Vincent Wu.

Additional event coordination was provided by Drs. Mirko Manojlovic-Kolarski, Sunita Rai, Edward Sykes, Fahad Aldhahri and Brian Shin. 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. Justine Philteos and Lily Wang from the University of Toronto, Alexander Gabinet-Equihua and Garret Horton from Queen's University, and Marc Levin from McMaster University. The department also welcomed Ahmed Saleem as an International Medical Graduate from the Kingdom of Saudi Arabia.



Dr. Joel Davies



Dr. Frederick Laliberte



Dr. Mirko Manojlovic Kolarski



Dr. Sunita Rai



Dr. Josie Xu

#### **Residency Curriculum**

The Residency Core Curriculum continues to be provided over a 3-year cycle to residents in the PGY2-PGY4 years. In the 2019-2020 academic year, the core topics covered were Head & Neck and Facial Plastic & Reconstructive Surgery. Drs. John de Almeida and Andres Gantous 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 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 November 2019. 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 course and the many faculty & fellows that have contributed to the anatomy course and series of Temporal Bone Dissection courses provided throughout the academic year. Unfortunately, due to the COVID-19 pandemic our residents were unable to participate in the Rhinoplasty and Endoscopic Sinus Surgery courses but thank you to Drs. Andres Gantous, John Lee & Allan Vescan for the coordination and their ongoing support.

The PGY4 residents attended the annual American Academy of Otolaryngology-Head & Neck Surgery meeting in New Orleans, LA in September 2019. This opportunity has been generously funded every year by the faculty at the core teaching sites. Thank you to the faculty at the University Health Network, Sinai Health, Sunnybrook Health Sciences Centre, Unity Health Toronto-St. Michael's Hospital and the Hospital for Sick Children.

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. Thank you to Drs. Eric Monteiro, Douglas Chepeha and Vincent Lin for hosting the first events at their home. Subsequent Journal Clubs were held virtually.

#### **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 2019–2020 academic year.

#### Research

The PGY2 residents continue to participate in a 4-month research block under the supervision of various faculty members. During the 2019-2020 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 administered during the 2019-20 academic year. Residents participated in a weekly curriculum to reinforce research concepts such as research design, ethics, presentations and statistical analysis.

Dr. Christopher Noel has decided to continue with his successful research and pursue a PhD within the Clinician Investigator Program under the supervision of Drs. Tony Eskander and Natalie Coburn.

The Annual Harry Barberian Memorial Dinner and Percy Ireland Academic Day & Dinner were unfortunately cancelled due to the COVID-19 pandemic.

#### Research and Teaching Awards

- Drs. Joel Davies and Mirko Manojlovic-Kolarski were recognized by their peers as the Resident Teachers of the Year.
- Dr. Matthew Crowson was recognized by the residents as the Fellow Teacher of the Year.
- Dr. Danny Enepekides was recognized by the residents as the *Faculty Teacher of the Year*.
- Dr. Ian Witterick was recognized with the Resident Advocacy Award.

Congratulations to Dr. Christopher Noel for receiving several prestigious research awards, including:

- Frederick Banting and Charles Best Canada Graduate Scholarships – Doctoral Research Award (CGS-D)
- Canadian Institutes of Health Research (CIHR) Award
- 2020 Robert Sheppard Award for Health Equity and Social Justice
- Hold' em for Life Clinician Scientist Award

Also congratulations to Dr. Terence Fu for receiving the 2019 Postgraduate Research Award.



#### Dr. Yvonne Chan (Director)

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 the 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 in-

person courses and grand rounds halted due to the COVID-19 pandemic that started the Canadian wide shut down in March 2020. Our department quickly pivoted to online delivery of our grand rounds which focused on various topics related to the pandemic from medical ethics, physician wellness, leadership in crisis and restarting otolaryngology office practice. The following outlines the large number of courses organized under the auspices of our department as well as the many visiting professors.

## **Courses Organized**

DATE(S)	COURSE TITLE (ORGANIZERS)	GUEST FACULTY/INVITED SPEAKERS
February 22, 2020	Annual Otolaryngology-Head & Neck Surgery Update 2020 (Drs. Yvonne Chan & Paolo Campisi)	Dr. Lisa Elden, University of Pennsylvania Dr. Tino Piscione, CMPA Dr. Brian Rotenberg, Western University
February 21, 2020	Rhinology Update (Drs. Yvonne Chan, John Lee, Allan Vescan)	Dr. Christopher Chin, Dalhousie University Dr. Martin Desrosiers, McGill University Dr. Rick Gall, University of Manitoba Dr. Arif Janjua, University of British Columbia Dr. Kristine Smith, University of Manitoba Dr. Doron Sommer, McMaster University Dr. Marc Tewfik, McGill University Dr. Andrew Thamboo, University of British Columbia
November 16, 2019	<b>Dizziness Update</b> (Drs. Yvonne Chan, Vincent Lin, John Rutka)	Dr. Darren Tse, University of Ottawa Dr. Devin McCaslin, Mayo Clinic Dr. Michael Ruckenstein, University of Pennsylvania

Courses organized continued...

DATE(S)	COURSE TITLE (ORGANIZERS)	GUEST FACULTY/INVITED SPEAKERS
November 2, 2019	Facial Plastic and Reconstructive Surgery Update (Drs. Yvonne Chan, Richard Rival, Jamil Asaria)	Dr. Kal Ansari, University of Alberta Dr. Nabil Fanous, McGill University Dr. Kal Ansari, University of Alberta Dr. Nabil Fanous, McGill University Dr. Victoria Hayward, Southlake Regional Health Centre Dr. Rick Jaggi, University of Saskatchewan Dr. Corey Moore, Western University Dr. Mark Samaha, McGill University Dr. Mark Taylor, Dalhousie University Dr. Jonathan Trites, Dalhousie University Dr. Kristina Zakhary, University of Calgary
November 1, 2019	Facial Injectables Workshop (Drs. Yvonne Chan, Jamil Asaria)	Dr. Ashlin Alexander
October 12, 2019	Upper Aerodigestive Tract Endoscopy Course (Drs. Yvonne Chan, Paolo Campisi, Eric Monteiro, Josie Xu)	Dr. Jonathan Maclean, McMaster University

## **Invited Professors/Invited Guests**

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	TITLE OF PRESENTATION
May 22, 2020 Margaret Aron Yvonne Chan Trevor Hartl Sami P. Moubayed Kristine Smith Doron Sommer Leigh Sowerby Peter Spafford	Otolaryngology Office/Clinic Preparedness in the COVID-19 Era: A Pragmatic Approach with Practical Tips
May 1, 2020 Yvonne Chan Karen Cross Jeanette Goguen Patricia Houston Abi Sriharan (Women in Otolaryngology Lecture)	Women in Medicine: Leading in a Time of Crisis

Invited Professors/Invited Guests continued...



April 17, 2020
Dr. Andrew Shuman
Assistant Professor or Otolaryngology
University of Michigan Health System

Navigating the Ethics of COVID-19 in Otolaryngology

TITLE OF PRESENTATION



March 6, 2020
Dr. Louise Davies
Associate Professor of Surgery
Dartmouth College
(Quality & Safety Lecture)

Get Your Improvement Work Published! How the SQUIRE Guidelines Can Help



February 28, 2020
Dr. Yvonne Ying
Associate Professor of Surgery
University of Ottawa
(Joseph K H. Wong/Smile China Lecture)

Global Surgery: Expanding the Scope to Inform Education and Advocacy



February 21, 2020
Dr. Arif Janjua
Clinical Associate Professor of Rhinology,
Endoscopic Sinus and Skull Base
Surgery
University of British Columbia
(Isabel Silverman Lecture)

Improving Outcomes in Endoscopic Sinus Surgery



January 17, 2020 Dr. Soham Roy Professor of Otorhinolaryngology University of Texas

Robotic Applications for Pediatric Airway Surgery: Past and Present and Future Invited Professors/Invited Guests continued...



January 10, 2020 Dr. Bruce Ashford Wollongong Surgical Associates

#### TITLE OF PRESENTATION

Mutational Analysis of Metastatic Cutaneous SCC



November 15, 2019
Dr. Darren Tse
Assistant Professor of Otolaryngology
University of Ottawa

The Ottawa Hospital Dizziness Program: Our first five years



November 8, 2019
Michiel van den Brekel, PhD
Head & Neck Surgery and Oncology
University of Amsterdam

State of the Art Post-Laryngectomy Rehabilitation



November 1, 2019
Dr. Corey Moore
Associate Professor of Otolaryngology
Western University

**Eyelid Reconstruction** 



October 18, 2019
Dr. Reza Rahbar
Professor of Otolaryngology
Harvard Medical School

Presentation and Management of Laryngo-Tracheal Esophageal Cleft: What have we learned in the past decade? Invited Professors/Invited Guests continued...



October 11, 2019
Dr. Kristina Simonyan
Associa-te Professor of Otolaryngology
Harvard Medical School

#### TITLE OF PRESENTATION

Laryngeal Dystonia: Diagnostic Assessment, Neural Markers, and Novel Treatment Opportunities



October 4, 2020
Dr. Matthew Old
Associate Professor
Of Otolaryngology
Ohio State University
(Head & Neck Cancer Foundation Lecture)

Head and Neck Cancer Service Line Delivery: Successes, Pitfalls, Solutions and the Future

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 especially in this current changing climate. 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, and Safia Amin, our Events Coordinator, for their continued support of our CPD portfolio.



#### Dr. Alain Dabdoub (Chair)

Members: Douglas Chepeha, Michael Daly, Antoine Eskander, David Goldstein, Karen Gordon, Robert Harrison, John Lee, Trung Le, Vincent Lin, Jun Lin, Eric Monteiro, Evan Propst, Nik Wolter, Peter Dixon (resident representative), Paolo Campisi (ex-officio), Ian Witterick (ex-officio).

The Research Committee strives for an equitable, diverse, and inclusive research program dedicated to discovery to strengthen our scientific community, quality, and impact of our department. The committee is happy to report that our research enterprise is thriving. We continue to be a powerhouse in the number of publications coming out of our department across all our disciplines in basic, translational, and clinical science and the funding levels continue to improve. Furthermore, this year's departmental Annual Research Evening highlighted the innovation and strong collaboration occurring throughout our department. We expect innovation and collaboration to grow as our faculty are dedicated to research and academic progress and the department is increasing funding opportunities for research. The committee continues to provide evaluations and feedback to the PGY2 research proposals, organize their research curriculum and give the lectures during their research block. All of our trainees continue to be well supported by our department and faculty and are excelling. In the coming year we are aiming to increase external funding and quantify the flourishing research impact of our department.



#### Dr. Kevin Higgins (Chair)

Members: Jennifer Anderson, Paolo Campisi, Al Chiodo, Alain Dabdoub, Danny Enepekides, Ralph Gilbert, 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.

We welcomed Dr. Alain Dabdoub (Vice Chair, Research) who replaces Dr. Bob Harrison as the research representative. We thank Bob for his many years of service on this committee. The faculty members who served on the committee for the 2019–2020 academic year were:

Kevin Higgins (Chair), J. Anderson (Chief, SMH), Paolo Campisi (HSC and Vice Chair Education), Al Chiodo (Chief, Michael Garron Hospital), Danny Enepekides (Chief, Sunnybrook), Ralph Gilbert (Chief, UHN), V. Papaioannou (Head, Division of Audiology), Blake Papsin (Chief, HSC) and Ian Witterick (ex-officio).

#### Respectful Relationship Guidelines

The Respectful Relationship Guidelines were reviewed and approved and is to be included as a part of any new Memorandum of Agreement for new faculty being appointed to the department.

#### Approval of Full Faculty Probationary Term Review

On January 15, 2020, the DAC was unanimous in its recommendation to the chair that Drs. Tony Eskander and Nik Wolter be recommended to pass their 3–5 year probationary review. They both successfully passed their review and was recommended to transfer into a continuing university faculty appointment.

## Approval and Recommendation of New Clinical Adjunct Faculty Appointments

Andrew Ma at the rank of Lecturer Jason Xu at the rank of Lecturer

## Approval and Recommendation of New Status Only Faculty Appointments

Melissa Hazen at the rank of Lecturer

### Approval and Recommendation of New Status Only Concurrent Faculty Appointments

Gwen Merrick, Department of Speech Language Pathology at Unity Health Toronto-St. Michael's Hospital

Lueder Kahrs, Department of Mathematical and Computational Sciences University of Toronto-Mississauga Campus

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 12, 2020 meeting. They were all approved for reappointment for another year.



#### Dr. Robert V. Harrison (Chair)

Members: Paolo Campisi, Douglas Chepeha, Joseph Chen, Danny Enepekides, Ralph Gilbert, Jonathan Irish, Karen Gordon, Blake Papsin, Ian Witterick [exofficio].

Professorial promotion is an important indicator of achievement in any academic institution. It is a mark of clinical, teaching and research excellence within our community, and we expect that staff recruited into our Department will work towards university promotion.

At the University of Toronto the standards for promotion are high. For clinicians in our department, much recognition is given for being an excellent role model and showing initiatives to improve clinical care (i.e. creative professional activity; CPA). Contributions to teaching and education are also important, at all levels: undergraduate, graduate, postgraduate, continuing professional development. 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.

Our Promotion Committee membership reflects the full range of clinical sub-specialties in Otolaryngology-Head & Neck Surgery, as well as the special interests of our teaching hospitals. Our committee is involved in university promotion steps from the rank of Lecturer to Assistant Professor (junior promotions) and senior level stages to Associate and Full Professor levels. The 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's 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. Even though our department is spread 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.

We would like to congratulate Andrew Dimitrijevic for well-deserved promotion to Associate Professor in this past academic year. Congratulations also to Philip Solomon for promotion to the rank of Assistant Professor.



#### 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.



#### Dr. Yvonne Chan (Lead)

Members: Peter Adamson, 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, William El Masri, David Ellis, Vinay Fernandes, David Finkelstein, Rick Fox, Andres Gantous, Artur Gevorgyan, David Goldfarb, Everton Gooden, Aman Grewal, David Hacker, Jerry Halik, Basil Hassouneh, Robert Hekkenberg, Theresa Holler, Bradley Hubbard, Robert Josephson, Thileeban Kandasamy, Anil Katyal, William Kaul, Jack Kolenda, Mark Korman, Brenda Kou, Lukas Kus, Gavin le Nobel, Ambrose Lee, Annesse Lee, Randy Leung, Bosco Lui, Berge Marcarian, Jeffrey Mendelsohn, Lorna Minz, Sharon Morong, Robert Mounsey, Jerry Naiberg, Karim Nazarali, Raymond Ng, Alfred Oh, Alexander Osborn, Modupe Oyewumi, Xerxes Punthakee, Richard Rival, Michael Roskies, 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, Jonathan Yip.

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

the 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 is involved in Continuing Professional Development of practicing otolaryngologists. We were involved in the planning and sponsorship of the successful 18th Annual Otolaryngology Update in February 2020 at the Peter Gilgan Centre for Research and Learning Auditorium. Again, it was extremely well attended and highly rated by otolaryngologists across Ontario.

The *Distinguished Alumnus Award* this year unfortunately was not given out due to the COVID-19 pandemic.

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. Jonathan Yip and Lukas Kus.



#### Dr. Patrick Gullane (Lead)

Member: Joseph Chen, Ian Witterick.

A large bequest from the estate of the late Dr. Mary Elizabeth McKee has been made to our department. It will be used to create a sustainable endowed fund to support research in the department. Dr. McKee was an otolaryngologist at Women's College Hospital from 1962 until her retirement in June 2002. In 1996, she was appointed Head of the Division of Otolaryngology at WCH. Dr. McKee passed away on March 21, 2018 at the age of 87.

Dr. KY Chow and his wife Mrs. Vera Chow endowed an annual education lectureship, *The Kan Yan Chow and Vera Chow Lectureship* for our department. Mr. Gordon Nimek and family endowed the *Nimek Otolaryngology Award* to support residents in the department, especially those with interest in hearing loss and/or skull base tumours. Dr. Kris Conrad endowed the *Kris Conrad Merit Award in Facial Plastic Surgery* for a trainee with outstanding achievements in the field of research, and perseverance in attaining the highest level of expertise in the performance of Facial Plastic Surgery.

Through proceeds from the May 2019 Annual Harry Barberian Memorial Dinner, more than \$100K was given out to 12 projects through *Harry Barberian Scholarships*. There was another round of submissions for *Raymond Ng and Wendy Chui Foundation for Innovation Awards*. A rigorous process narrowed the field and eventually one project was awarded funding of \$200K.

Dean Trevor Young acknowledged and thanked our generous supporters at the Annual Dean's Lunch.

This is a special annual event to celebrate and recognize the generous commitment of our donors like the Joseph K.H. Wong/Smile China Project represented by Gaye Quan, widow of Dr. Joseph Wong and Sydney Reimer, former Board Director, Smile China as well as Raymond Ng and Wendy Chui who established the Raymond Ng and Wendy Chui Foundation Fund for Innovation. We are most grateful for their support and commitment in helping us advance research and education in the department.

There are 7 endowed chairs and 1 term chair associated with our department. Annual endowments help fund education and research activities in the department. In addition, many of our hospitals have been successful with philanthropic donations to their respective departments. For example, this year the department at Sunnybrook Health Sciences Centre received a \$3M gift from the Nanji family to bring about needed renovation and investments in technology to create a state of the art unit at Sunnybrook with an expectation of completion in early 2021.



#### Dr. Danny Enepekides (Chair)

Members: Jennifer Anderson, Yvonne Chan, Douglas 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 good academic year. The committee continues to do its best to advance our strategic priorities. This was a particularly challenging year. I would like to thank all of our dedicated members without whom this work would not be possible.

This year our Quality and Safety Speaker Series continued. We were privileged to have two speakers visit the department and give grand rounds. In May 2019, Dr. Avery Nathens, the Surgeon in Chief at Sunnybrook and the director of the American College of Surgeons Trauma Quality Improvement Program, presented "Surgical Quality Improvement: Putting NSQIP into Practice". This wonderful talk illustrated the power of data and its ability to drive quality improvement in surgery. In March 2020 we were honored to welcome Dr. Louise Davies from the Dartmouth Institute. Dr. Davies gave us an introduction to SQUIRE 2.0 and demonstrated how this tool and framework could help us design and report quality and safety research. We would like to thank our speakers and look forward to this year's invitees.

This past year, the committee decided to focus on opioid stewardship. Unfortunately, our efforts were derailed by the COVID-19 pandemic. We look forward to moving this important initiative forward. The COVID-19 pandemic resulted in dramatic and impactful changes to the practice of otolaryngology.

Several of our committee members demonstrated tremendous leadership during this difficult time and I would be remise not to acknowledge their contributions. Dr. Jonathan Irish has been instrumental in organizing and monitoring the provincial response with respect to cancer surgery. Ontario cancer patients have definitely benefited from his tireless advocacy and oversight. Additionally, Dr. Yvonne Chan has provided leadership and guidance to the specialty in regard to establishing safe otolaryngology clinic and office practice during the pandemic. Finally, our department as a whole has demonstrated resilience, a commitment to learner, patient, and colleague safety, and affirmed our healthy culture throughout these challenging times.

I look forward to a return to the good old days, however long that may take. In the meantime, the Quality and Safety Committee will continue to move forward and work as best it can. Again, I would like to thank all of the committee members for their time and effort.





#### Ms. Vicky Papaioannou (Head)

Members: 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 a group of audiologists dedicated to research, undergraduate and postgraduate education, as well as continuing medical education within the department. Members of the division under the leadership of Susan Druker provided audiology teaching as part of the otolaryngology curriculum for undergraduate medical students. The core lecture series for the otolaryngology residents took place in September again this year. 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, got off to a good start with training in November. Unfortunately, due to contractual issues with Toronto District School Board and then COVID-19 restrictions, no school visits were carried out this year. The Krista Riko lecture was also postponed to November 20, 2020. Marie Pigeon from CHEO was the visiting professor and her presentation was entitled "Newborn Screening Ontario Hearing Loss Risk Factor Screening: Preliminary findings from the first year of screening".



# 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, Philip Solomon.

I am very pleased to present the annual report on the activities of the Division of Facial Plastic and Reconstructive Surgery for the 2019–2020 academic year. It has been a strange and tough year for everyone.

I would like to thank all the members of the division for their support and contributions to the division 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 (PGME).

#### **Postgraduate Teaching and Mentoring**

The University of Toronto co-hosted with the CAFPRS the Facial Plastic and Reconstructive Surgery Update on November 2, 2019. A Facial Injectables Course was also held in conjunction with this on November 1, 2019 and hosted by Drs. Asaria and Alexander.

The Soft Tissue Dissection course was held on November 4, 2019. The course was co-directed by Drs. Brandt and Alexander. This was, as always, well received by the residents.

The Rhinoplasty Dissection course was booked for April 2020, but was unfortunately cancelled due to COVID-19.

The PGY4 facial plastic surgery elective rotations were partially completed, before their cancellation due to COVID-19, 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 taught the facial anatomy course for the graduate students studying human anatomy. He gave multiple Zoom lectures to the residents and had two McMaster University residents do FPS rotations with him.

Drs. Asaria and Smith participated in the American Academy of Facial Plastic and Reconstructive Surgery (AAFPRS) fellowship program. This year's fellows were Dr. Blake Raggio with Dr. Asaria and Dr. Sean Hashemi with Dr. Smith. Drs. Solomon and Rival had Dr. Chew Ng as a University of Toronto fellow.

Many members of our division 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 programed for April 1, 2020, but had to be postponed. We have maintained an open line of communication via email, telephone and zoom.

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 and develop teaching videos, and participate in editorial boards for several journals during the past academic year.

Dr. Adamson had continued to be very busy, being an invited speaker at international and national meetings and courses. COVID-19 just made travel a lot easier and speaking engagements more abundant with the new concept of webinars. He has remained active with senior leadership positions in the International Editorial Board for JAMA Facial Plastic Surgery, 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. Adamson still had book chapters and publications despite his "retired" status.

Dr. Solomon authored three academic papers and has been developing some new instruments for rhinoplasty surgery.

Dr. Gantous was also quite busy this past year with multiple presentations at international meetings and courses. He conducted two live surgery presentations in Brazil. He remains on the board of the CAFPRS and the International Federation of Facial Plastic and Reconstructive Surgery Societies (IFPRSS), he is still is active in AAFPRS as the Canadian Region Credential Committee representative. There were

several peer reviewed and chapter publications during the year.

#### **Humanitarian Activities**

Dr. Yvonne Ying was the Smile China Lecturer on February 28, 2020 giving a talk on Global Surgery: Expanding the Scope to Inform Education and Advocacy.

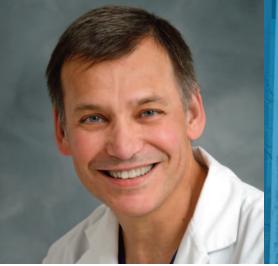
#### **Honours and Awards**

Dr. Chew Lip Ng received the 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 four 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 (Tony) 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.

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 and is the Safety and Quality Research lead, Dr. David Goldstein is the site lead for University Health Network and is the Outcomes Research lead. Dr. Doug Chepeha is the Clinical Trials lead and Dr. Al Vescan is the Skull Base research lead.

Despite the impact of the COVID-19 pandemic the division had strong visibility at high impact academic meetings including the AAO-HNS, ASCO, ASPO, Triological, ASTRO and CSO-HNS.

Dr. John de Almeida continues to lead clinical trials particularly in robotic research including the FIND trial and ORATOR-2 with both having completed patient accrual. Dr. de Almeida is also Principal Investigator on the SEECT Trial has been endorsed by EORTC and CCTG and is a clinical trial to avoid treatment of the contralateral neck in oropharyngeal cancer using SPECT-guidance. This is another example of a study that was originally supported by departmental funds like the Barberian Scholarship and Ng/Chui Innovation Fund and also

local hospital funds that provide "start-up" support for clinical innovation that can ultimately move to national and international trials. Dr. Doug Chepeha along with Drs. Lillian Siu and Anna Spreafico have completed accrual to the SNOW trial which is a 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,) which is now approved by OCREB and CAPCR and is in patient accrual. Dr. de Almeida is also leading an initiative with development of a machine learning risk calculator for outcomes in head and neck cancer. In the quality and safety portfolio, Dr. Monteiro has developed a thyroid ultrasound synoptic report with risk stratification and with Dr. Enepekides is leading an initiative in opioid prescription reduction.

David Goldstein continues to co-lead the major trial on active surveillance in early stage papillary thyroid cancer with CIHR grant support. This trial has now recruited over 200 patients and has moved to multiple sites in Canada. This trial has had significant impact on practice in thyroid oncology and when this study is completed will likely be a practice-changer.

Dr. Jon Irish continues to lead the Guided Therapeutics (GTx) program and this year's GTx Fellow, Dr. Donovan Eu from Singapore, 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 lab has completed dog and non-human primate trials in preparation for a first-in-human clinical trial in 2020–2021.

Members of the division are very active in research and have major grant support which is mentioned in other areas of the department's annual report but some deserve special mention including work being done by Drs. Witterick, Monteiro and Freeman supported by the Barberian Scholarship (\$10,000 CAD) and the Raymond Ng and Wendy Chui Foundation (\$200,000 CAD) for Innovation studying molecular testing for malignancy in cytological indeterminate thyroid nodules. Dr. Kevin Higgins is a Co-investigator in a pilot study of the inflammatory response in oral squamous cell carcinoma by saliva, plasma and tissue analysis which is funded by a Canadian Institute of Health Research team grant for \$100,000 CAD. Dr. Danny Enepekides is a co-investigator on the Business Lead Networks of Centres of Excellence (BL-NCE) Grant which is dedicated to creating an informational and imaging integrated operating room for the next generation of surgery which has a total project value of \$1.5M.

Finally, Dr. Tony Eskander is the Principal Investigator on "An evaluation of patterns of care, survival and healthcare costs in patients with head and neck cancer" with a prestigious Terry Fox New Investigator Award for \$442,614 CAD with Drs. Enepekides and Irish as co-investigators.

The division directs the American Head and Neck Society Advanced Training Fellowship under the leadership of Dr. Jeremy Freeman. Head and Neck Fellowship positions at the University of Toronto are highly sought after with six clinical positions and one research position drawing applicants from around the world. The program continues to be committed to the development and training of future leaders in our sub-specialty.

Dr. Ashok Jethwa was this year's Division Chief Fellow with Drs. Higgins and Irish and this year there were 8 fellowship rounds which covered topics dictated by the AHNS Curriculum, 3 journal clubs, 4 special lectures and a special evening Workshop on Oral Cancer Margin Assessment. 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 the department's annual report.

The division prides itself on a mentor-based teaching approach and this year three members of the division were acknowledged in their excellence in teaching with Tony Eskander receiving the Eugenie Stuart Best Mentor Award from the Institute of Health Policy, Management and Evaluation at the University of Toronto, Dr. Irish being awarded the Alma Smitheringale Excellence in Undergraduate Teaching Award and Danny Enepekides receiving the Faculty Teacher of the Year Award from the department.

This year the graduates of our fellowship program include Dr. Drew Sewell, Ashok Jethwa, Konrado Deutsch and Wael Hasan. Dr. Jethwa has assumed a staff position at the University of Minnesota and Dr Deutsch has assumed a position at the Department of Otolaryngology-Head and Neck Surgery at the Hospital de Clinicas de Porto Alegre in Brazil.

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. David Goldstein is the endocrine site lead for the Princess Margaret Cancer Program.

The Sinai Health (Mount Sinai Site) has had a strong collaborative program with the Princess Margaret Cancer Centre including multidisciplinary clinics, collaborative research and collaborative clinical care. The SH 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. Dr. Ian Witterick has provided sage leadership at the national level as President of the Canadian Society of Otolaryngology-Head & Neck Surgery and created in-year webinars for education of colleagues during the COVID-19 pandemic. While the annual general meeting in Fredericton was cancelled we all look forward to an amazing virtual programme.

The Sunnybrook/Odette site offers tertiary/quaternary head and neck oncology services including endocrine and microvascular surgery. 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. 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.

Despite the onset of COVID-19 during this academic year the division's faculty continue to deliver academically with clinical outcomes projects, clinical and translational trials and health services research and to be highly sought after speakers in national and international societies. Even with the challenge from a major pandemic 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.



#### Dr. John Lee (Head)

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

While the 2019-2020 academic year has certainly been a challenging one as we all learn to navigate the new world of the pandemic, I am incredibly proud of the members of the Division of Rhinology who have continued to demonstrate great leadership in our field. Our subspecialty was particularly impacted at the beginning of COVID-19 given the real and serious concerns regarding risk exposure during endonasal procedures and surgery. Led by Dr. Yvonne Chan, 10 members of our division (Drs. Witterick, Banglawala, Dalgorf, de Almeida, Gevorgyan, Lee, Leung, Monteiro, Vescan) contributed to the Canadian Society of Otolaryngology-Head & Neck Surgery Position Paper on Rhinologic and Skull Base Surgery during the COVID-19 Pandemic. This paper (which has been submitted for publication), will hopefully be instrumental in providing guidance to all otolaryngologists to safely return to rhinology practice during this new era. It is amazing that members of our division accounted for 1/3 of all the authors on this Canadian paper, which is a testament of the respect that so many of our faculty members have earned.

COVID-19 aside, this year has been an incredibly busy one for our division. First of all, I would like to welcome Dr. Jonathan Yip to our division. Jonathan is a graduate of our training program and subsequently completed a rhinology fellowship at

Northwestern University in Chicago. He is now in practice in the Toronto area and we are excited to have him back. As a group, we held our first division meeting on November 7, 2019 via teleconference. Perhaps we were onto something as virtual meetings have become the norm in 2020. This was a well-attended meeting where we discussed our research and academic goals for the upcoming year. We were able to get together in person one more time informally during our Rhinology Update course in early 2020. Below are some highlights of the activities from this past year.

#### **Education Activities**

On February 21, 2020, we held our bi-annual Rhinology Update Course at Sinai Health. Coorganized by Drs. Chan, Lee and Vescan, this is a course which brings in rhinology faculty from across the country. We had a very successful turnout with 8 of our faculty members participating by giving lectures or contributing their knowledge on panels (Drs. Chan, Lee, Vescan, Monteiro, Banglawal, Yip, Witterick). Unfortunately, due to COVID-19, we were unable to hold our Resident Sinus Surgery course in April 2020. This is usually a highlight educational event for our trainees but we hope to resume this dissection course (with some socially distanced modifications) in 2021.

From a teaching standpoint, each academic year, Drs. Vescan and Lee provide formal teaching sessions in rhinology to the PGY5 residents during the Royal College fellowship exam review course. Informally however, all members of our division contribute significantly to the teaching of rhinology as our residents rotate through our various hospital sites. I want to personally thank all of our faculty that

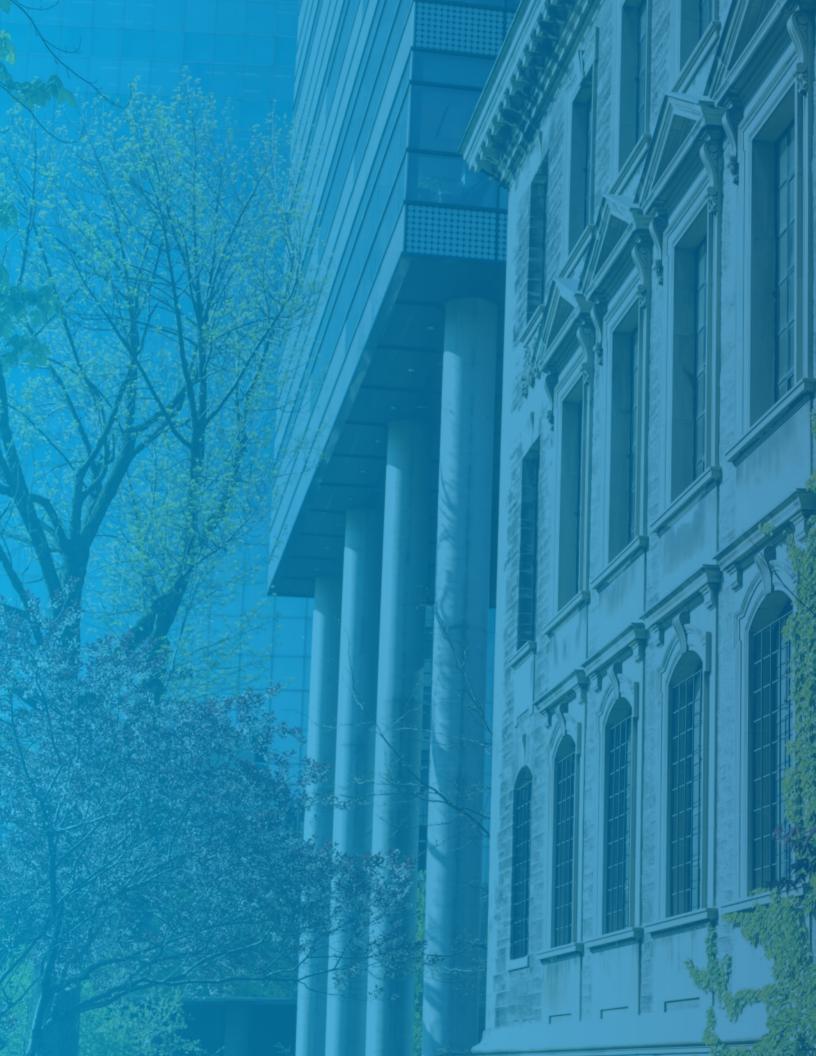
continue to provide invaluable education in rhinology and skull base surgery to our trainees. It is obvious that this is a true strength of our department as all of our graduates are very comfortable and competent in providing high quality rhinologic care.

#### **Academic Activities**

COVID-19 has certainly had a huge impact on academic activities this past year as all non-COVID-19 clinical research was put on hold across the University in mid-March 2020. Amazingly, this has still been an incredibly productive year from many members of our division. At the North American Skull Base Society Annual Meeting in February 2020, there were two scientific presentations supervised by a number of our faculty (Drs. de Almeida, Monteiro, Vescan, Witterick). Similarly, at the American Rhinologic Society Spring Meeting at COSM (presented in Sep 2020 because of COVID-19), a total of three scientific oral presentations were given and supervised by members of our division (Drs. Lee, Chan, Yip). These are large international meetings and we should be proud of the significant representation from our department. Unfortunately, the Canadian Society of Otolaryngology-Head & Neck Surgery Annual Meeting had to be delayed till the fall because of COVID-19 but several members of our division will be participating and giving lectures during the virtual meeting (Drs. Witterick, Chan, Lee).

I would also like to highlight one piece of research which was done during COVID-19. Spearheaded by Dr. Daniel Lee (PGY3 resident) and supervised by Dr. John Lee, a cross-sectional study was performed through the assessment centre at St. Michael's Hospital to determine the prevalence of smell and taste loss in COVID-19 positive patients. While this topic was made known to all of us through our European/American colleagues, this is the first and only Ontario-specific data which has been published on this association. This research has gained significant attention beyond our specialty and highlights the impact members of our division can have even during this pandemic.

Finally, our multi-institutional prospective study on olfactory outcomes following sinus surgery has begun recruitment at a number of sites. While there have been some challenges getting additional hospitals on board, I am optimistic we can continue to forge ahead once COVID-19 restrictions have been lifted on clinical research activities. We have a collegial and enthusiastic group of individuals in our division and I look forward to our continued collaboration this upcoming year.







## Dr. Blake Papsin (Otolaryngologist-in-Chief)

Another routine year here at SickKids.....just another global pandemic kind of year. If anything, this past year has uncovered and shown clearly the strength of our departmental fabric. Our team has been resilient as we have worked to continue to provide care to our patients and protect our team. Especially this past year, I am very proud to be a member of the SickKids otolaryngology-head & neck surgery team.

Our group has continued to lead the profession in describing new surgical practices in COVID-19 for pediatric otolaryngology and we published our results. We have instituted, refined and then applied novel techniques in remote audiology testing and become proficient tele-communicators. We have tried to get our business "back to normal" and have altered clinical and surgical schedules to take every possible opportunity to care, teach and advocate for our patients and their families.

As much as is possible we have continued to devote ourselves to our mission and maintain our focus on developing new processes for caring based on what we have learned from this experience. Plans are continuing for building the new clinical and staff support towers. Our departmental staff continue to be represented and ensure our space includes the capacity for our trainees to work and learn efficiently. The EPIC electronic health record has been almost fully implemented and there are significant benefits now being accrued as a result for both caregivers and patients.

We have had a successful year training students as well. Our new training model, which includes two clinical fellows in addition to our resident staff, is becoming increasingly symbiotic. Both categories of learners are continuing to prosper and benefit from sharing the burdens of patient care

#### **FACULTY**

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

and academic study. Many of our consultant staff have begun informal teaching programs for our trainees which have been a very positive experience for all. Our two departing fellows have successfully left for consultant positions in Sydney, Australia and Ann Arbor, Michigan. Our new fellows, Anne-Sophie Prevost and Tal Honigman who are both joining us for two years, come from Sherbrooke, Quebec and Haifa, Israel respectively. They bring so much to our team and allow our residents to view otolaryngology from a broader perspective.

We continue to face restrictions in our access to operating room resource as is likely the case across departments within our university and province. As you can imagine, this situation was significantly worsened by the pandemic. We are actively reviewing our clinical waitlists and restructuring theatre lists with the aim of both delivering much needed otolaryngologic-head & neck surgery care and providing training experience for our residents and fellows. This is a delicate balance of expectations

to manage but the consultant staff are doing a great job both caring and educating.

The departmental consultant staff of course continue to be academically productive and this year 2 of our departmental members have submitted their thesis for consideration to become a fellows of the Triologic society. We're all very proud of Evan Propst and Sharon Cushing for finding the energy to focus on this prodigious task. Both of their manuscripts are going to have tremendous impact on our specialty. The Wolter lab is continuing to develop and has seen great success with their cell lines and their continued work focusing on treatment of lymphatic malformations. Dr. James and his team continue to look at instrumentation in endoscopic otologic surgery while Dr. Propst and his team are working to develop teaching models for airway surgery. Dr. Campisi of course continues to dedicate a considerable amount of his academic time to his critical university role as Vice-Chair of education.

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



#### Dr. Al Chiodo (Otolaryngologist-in-Chief)

#### **Hospital/Patient Programs:**

Our department divides its surgical services between outpatient and inpatient surgical services and spans the subspecialties of pediatric, otologic, sinonasal, facial plastic, and head and neck endocrine surgery. Not including the evening and weekend emergency visits, almost 6600 clinic visits were recorded for our department last year.

This fiscal year has seen the Thyroid Program's growth under the direction of Dr. Antoine Eskander and the continued efforts of Drs. Chiodo, El Masri, Enepekides, Higgins, and Hubbard. We were on our way to reaching our assigned 300 QBP thyroidectomies in this fiscal year but were interrupted by the COVID-19 pandemic in March. One significant component of the program is the Thyroid Diagnostic Assessment Unit (DAU), 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 and multidisciplinary consultations. We were able to see nearly 700 patients in the Thyroid DAU this year.

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 and our vestibular lab have allowed our department to offer patients in our 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 provides expert patient services

#### **FACULTY**

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

and fellow and resident teaching.

Our inpatient volumes increased to 723 cases this year from 660 last year. The majority of inpatient volumes consisted of pediatric inpatient surgery and head and neck surgery. The bulk of the head and neck surgery arose from our Thyroid Program. Our day surgery volumes consisted of 884 cases last year.

The Michael Garron Hospital redevelopment is well underway.

Moreover, this year, the Ralph and Rose Chiodo Family donation has been used to provide a new operative microscope with CO2 laser equipment for otologic surgery and laser microlaryngoscopy.

#### **EDUCATION**

#### 1. 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 three students from the Royal College of Surgeons, Dublin. MGH/TEHN has consistently scored well for rotation and teacher effectiveness for the Clerkship.

#### 2. Postgraduate Education

Our department has participated in the residency program since the early 1990s, with regular rotations starting in 1999.

Dr. Hubbard represents our department on the university department's Residency Program Committee. We have consistently had excellent rotation effectiveness scores and teacher effectiveness scores. Residents continue to have high surgical volumes as primary surgeons in pediatric, sinus, otologic, endocrine, and facial plastic surgeries. Furthermore, we have about 35 family practice residents rotate through our department clinics yearly. Dr. Chiodo continues to represent our department on the University Departmental Appointments Committee and the Quality and Safety Committee.

#### 3. Fellowship and Continuing Medical Education

Our department has been actively involved in continuing education with our hospital's Department of Family Medicine's continuing professional development 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. Sean Hashemi from San Francisco, graduating from the fellowship program.

#### 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 29 peer viewed publications, including publications in the New England Journal of Medicine, Cancer and JAMA Surgery and Thyroid. He published five book chapters last year. Dr. Shereen Samargandy is completing a study on the institution-specific role for PTH monitoring post total and completion thyroidectomy for decreasing length of stay. Furthermore, Dr. Terence Fu has conducted a study to optimize surgical tray efficiency to reduce perioperative costs in otolaryngology-head neck surgery. Elysia Grose, an elective medical student from the University of Ottawa, completed a project on patient perspectives on delisting adult tonsillectomy and septoplasty surgeries in Ontario.

As part of the John Bradley Summer Research Program, our department was able to sponsor four medical students from the Royal College of Surgeons in Ireland and one student from University College Cork.



## Dr. Everton Gooden (Otolaryngologist-in-Chief)

North York General Hospital is one of Canada's leading community academic hospitals and offers a wide range of acute care, ambulatory and long-term care services.

Drs. Everton Gooden, Manish Shah, Thileep Kandasamy and Dr. Jason Xu provide full time Head and Neck Surgical coverage. The surgical program at present is operating at 95 percent capacity despite the challenges with COVID-19.

NYGH was recently ranked the 4th best hospital in Canada in a recent Newsweek Magazine report which evaluates and ranks the best hospitals globally. The hospital is in the approval process of its major capital redevelopment plan to develop a new patient care tower.

A formal process to find a suitable replacement for Dr. David Goldfarb was delayed as resources have been redirected towards the COVID-19 pandemic. Dr. Jason Xu continues to provide clinical services to support the division until a suitable replacement is named. We hope to have this process completed towards the end of the academic year.

Dr. Gooden continues as a director of the Foundation Board of Governors and will continue to chair the Development Committee of the Foundation Board. Dr. Manish Shah was recently elected to the Medical Staff Association Executive for a two-year term as Treasurer.

#### **FACULTY**

Thileep Kandasamy Manish Shah Jason Xu



#### Dr. lan Witterick (Otolaryngologist-in-Chief)

Mount Sinai Hospital (MSH), Joseph and Wolf Lebovic Complex is part of Sinai Health (SH), a 442-bed acute care academic health sciences. 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: Women's and Infants' Health, Rehabilitation, Chronic Complex Disease Management, Healthy Aging and Geriatrics, Specialized Cancer Care and Emergency Medicine.

Sinai Health is undergoing a transformative renovation over a multi-year period. The 7th floor is being redeveloped into 19 new operating room (OR) suites with planned opening in the spring of 2021. 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, Manish Shah and Xerxes Punthakee. 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

#### **FACULTY**

Ashlin Alexander (P/T)
Robert Burke (P/T)
Yvonne Chan (P/T)
Jerry Chapnik
Nitin Chauhan (P/T)
Kris Conrad (P/T)
John de Almeida (P/T)
Vinay Fernandes (P/T)
Jeremy Freeman
Eric Monteiro
Xerxes Punthakee (P/T)
Michael Roskies (P/T)
Manish Shah (P/T)
Allan Vescan

clinic at Princess Margaret Cancer Centre.

Drs. Taryn Davids along with Speech Language Pathology, conduct multi-disciplinary voice clinics. Dr. Manish Shah stopped Voice Clinics at SH this year due to other commitments. We want to thank him for his years of wonderful collaboration with our team. 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 monthly.

#### **Education**

Sinai Health remains a popular rotation for residents and fellows and a popular elective for medical students. We continued to provide learning opportunities as best as possible during the pandemic for both undergraduate and postgraduate learners. Our usual off-service rotations for PGY1 residents in other specialties was limited due to the pandemic. There was a Canadian wide moratorium on medical student electives except for University of Toronto medical students and we were unable to host residents and fellows interested from abroad who were interested in learning with us.

Dr. Vescan leads the undergraduate medical education program for SH and the university department and Dr. Monteiro leads postgraduate education for SH. Dr. Freeman administers the head & neck oncology fellowship program for the university department. 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 Sinai Health Foundation and Dr. Jeremy Freeman usually organize the Annual Harry Barberian Memorial Dinner which had to be cancelled this year due to the pandemic. This dinner has been held annually at Barberian's Steak House through the generosity of Mr. Arron Barberian and family. The proceeds from the events have provided significant research scholarships to residents, fellows and faculty across our university department through a competitive peer-reviewed grant mechanism.

In the last academic year, 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 is Chief of the
Division of Otolaryngology-Head & Neck Surgery
at Trillium Health Partners, Chair of CPD/CME
Chair and Chair of the Rhinology Working Group
for the CSO-HNS. Dr. Witterick finished his term as
Chair of the Medical Advisory Committee and took
over as President of the CSO-HNS in June 2019. A
very successful virtual meeting of the CSO-HNS
was held from September 26 to November 14, 2020
with a record attendance. Dr. Witterick will stay on
as President an additional year until the next annual
general meeting in 2021.

We are 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.



## Dr. Danny Enepekides (Otolaryngologist-in-Chief)

This academic year will forever be remembered for the unprecedented impact and consequences of the COVID-19 pandemic. Along with the first wave of infection came a deep and prolonged reduction in services that will take a very long time to recover from. These difficult times brought out the best in our team and highlighted our collegial and supportive culture. Together, the otolaryngology team weathered the storm and is now working hard to address the significant backlog of clinical activity and patient need. This response would not have been possible without the remarkable team spirit, hard work, and courage of our residents, nurses, assistants, support staff, audiologists, and physicians. Although it is hoped that the worst is behind us, the department is well prepared for future waves of infection.

The Department of Otolaryngology-Head & Neck Surgery at Sunnybrook continues to punch above its weight. Despite the challenges faced this year, the department had an extremely successful academic year. The otology program remains a national and international leader in cochlear implantation and lateral skull base surgery. This year the Cochlear Implant Program, Canada's largest, was funded to perform 240 implants. This flagship program at Sunnybrook provides tremendous advocacy and for the province's hearing impaired and remains an academic powerhouse. The department is very grateful to the Mason family for its ongoing support of the Cochlear Implant Laboratory led by Dr. Andrew Dimitrijevic.

The Lateral Skull Base program at Sunnybrook suffered a tragic loss this year. Dr. Todd Mainprize,

one of the program's two neurosurgeons, sadly and unexpectedly passed away. He was a fantastically skilled surgeon and, most importantly, a cherished friend of the department. His tremendous contributions to the program and to Sunnybrook will not be forgotten. The Sunnybrook Foundation will be establishing the Mainprize Chair in Neurosurgery in his honour. Despite this

#### **FACULTY**

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

heartbreaking loss, the program will forge on and continue to provide excellence and leadership in the management of acoustic neuroma and other lateral skull base pathologies. The department is very grateful to the Koerner Foundation for its ongoing support of the Sonja Koerner Inner Ear Laboratory, led by Dr. Alain Dabdoub.

This year Dr. Trung Le's outstanding work on inner ear research was recognized with the *Triological Society Career Development Award*. Dr. Le is the first Canadian to win this prestigious award since its inception in 2004. We are very proud of his accomplishments and look forward to his future success.

The Division of Head and Neck Oncology enjoyed another very successful year. This year the program's

faculty have raised over \$1,000,000 in peer-reviewed grant funding. It remains an integral part of the province's regionalized head and neck cancer program and the University's internationally renowned fellowship program. Dr. Antoine Eskander, who has had a remarkable start to his career, successfully passed his three-year university departmental review with flying colors. Sunnybrook Health Sciences Centre and the division of Head and Neck Surgery was very pleased to welcome several extremely talented new head and neck oncologists. Dr. Andrew Bayley joined the Odette Cancer Centre's department of Radiation Oncology following his tenure at Princess Margaret Cancer Centre. In addition, we welcomed two new medical oncologists to the team, Drs. Martin Smoragiewicz and Ambika Parmar.

Our departmental faculty continue to provide leadership at all levels. Notably, Dr. Alain Dabdoub has become the new university department's Vice-Chair of Research, Dr. Joseph Chen continues to serve as the provincial coordinator of the Ontario Cochlear Implant Program, Dr. Vincent Lin is the OMA Otolaryngology Chair, remains the Choosing Wisely National Lead, and the CCO-Otolaryngology lead for non-oncologic surgeries, and Dr. Danny Enepekides is the Vice-Chair of the American Head and Neck Society's Salivary Gland Section. Dr. Kevin Higgins and Danny Enepekides continue to chair the Departmental Appointments Committee and Quality & Safety Committee respectively. Finally, this year Dr. Vincent Lin served as the scientific chair for the annual CSO-HNS meeting.

The Department of Otolaryngology-Head & Neck Surgery remains focused on education and is a favorite training site for residents and fellows. This year Dr. Antoine Eskander was awarded the Eugenie Stuart Best Mentor Award and the MD Program Teaching Excellence Award. In addition, Dr. Danny Enepekides was given the University Faculty Teacher of the Year Award. Despite the challenges imposed by the COVID-19 pandemic, the department continues to do its utmost to provide the best possible experience to our trainees.

Finally, this year the department was blessed with a \$3,000,000 donation from the Nanji family. Gulshan and Pyarali Nanji were born in Uganda and fled to Canada in 1972 in the face of persecution. Respected, admired and proud members of the Ismaili Community, the Nanji family has a long history of philanthropy. They have donated millions of dollars to causes they believe in: The Sunnybrook Nanji Head and Neck Surgery Centre is the most recent. This tremendous gift will bring about needed renovation and investments in technology that will create a state of the art unit at Sunnybrook. These investments will align with our clinical and research priorities and will include advanced optics, a full laryngology suite, expanded ultrasound capabilities, posturography, and a welcoming space for our patients. The renovations are expected to be completed by early 2021.

None of these wonderful achievements would be possible without a superb team. The department is very grateful to all of its staff, health professionals, residents, and fellows for making this academic year so successful in spite of the stifling circumstances imposed upon all of us by the great COVID-19 pandemic.



## Trillium Health Partners

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

#### Dr. Yvonne Chan (Otolaryngologist-in-Chief)

Trillium Health Partners 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 1,379 beds (up from 1,306) and had over 1.75 million (up from 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 as noted above. 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. Dr. Chan took a 6-month leave of absence from her clinical practice to take a fellowship with Dr. P. J. Wormald and Dr. A. Psaltis in Australia in the area of advanced endoscopic sinus surgery and skull base surgery. She is grateful that during her leave of absence, Dr. Jonathan Yip took over the care of her patients.

#### 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

#### **FACULTY**

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

otolaryngology experience. Our rotation has been consistently highly ranked by the residents over the years because of the unique opportunity that 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.

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 to discuss new advancements in the treatment of upper and lower airway diseases.

#### 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 Director of Continuing Professional Development and is the liaison for the Community Academic Faculty at the university department. At the Canadian Society of Otolaryngology-Head & Neck Surgery (CSO-HNS), Dr. Chan is the Continuing Professional Development Committee Chair and is the Chair for the Rhinology Canadian Working Group. Also at the CSO-HNS, Dr. Chan is the mentorship/leadership representative at the Women in Otolaryngology Canada section.



## Dr. Andres Gantous (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, pediatric otolaryngology, and endocrine surgery.

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. Gantous is the Head of the Division of Facial Plastic and Reconstructive Surgery of the Department of OHNS at the University of Toronto. Dr. Kolenda has continued his work in endoscopic sialendoscopy.

SIHC 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, soft tissue, rhinoplasty 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 facial plastic and reconstructive surgery fellows, learn from our faculty and are involved in the education and training of residents.

#### **FACULTY**

Dustin Dalgorf Rick Fox Robert Josephson Jack Kolenda Ian Witterick (P/T)



## Unity Health Toronto - St. Michael's Hospital

## Dr. Jennifer Anderson (Otolaryngologist-in-Chief)

Unity Health Toronto, the corporate healthcare organization comprised of St. Michael's Hospital, St. Joseph's Health Centre and Providence Healthcare, launched a new strategic plan in 2019. A new vision statement–*The bestcares experiences, created together* summarizes the aspirations of the new strategic plan. Major goals in the five year plan include integration of care in urban communities, excellence in providing care to disadvantaged population, world leadership in knowledge translation, and leading innovation in quality healthcare through digital transformation.

Also in the past year, a new board chair for Unity Health Toronto was appointed. Colleen Johnston, formerly a seven year veteran member on the St. Michael's Hospital board of directors, became the Unity Health Toronto board chair in 2020.

The new 17-storey Peter Gilgan patient care tower (PGT), was opened amidst the first wave of the COVID-19 pandemic. The new intensive care units and in-patient units were critical; permitting a separate, state of the art facility for in-patient acute care. The tower is the largest component of the redevelopment plan for St. Michael's Hospital included the completed new emergency department and new Shuter wing (2021).

Prior to the pandemic, there had been a limited integration of clinical services between St. Michael's and St. Joseph's Health Centre including merging Laboratory Medicine but most clinical services remain site specific.

As in all Ontario acute care hospitals, in accordance with the COVID-19 provincial directives, all non-emergent clinical activity ceased for three months in March 2020. This had a huge impact on health care delivery and academic activity for our service. Our department had an 85% reduction of operating room resources for

#### **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

three months with most of the ambulatory clinic staff redeployed for close to four months.

Resumption of clinical activity was increased gradually over the summer with resources restored over the same period.

## Otolaryngology-Head & Neck Surgery Department Faculty

The Department of Otolaryngology-Head & Neck Surgery 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, Tulika Shinghal and Philip Solomon. We welcomed Dr. Jonathan Yip, a former graduate with a rhinology fellowship who has joined our department as a clinical associate.

Clinical and research activity 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 per 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 skills speech pathologists, Gwen Merrick and Marta DeLuca, are invaluable team members who attend the multidisciplinary voice clinic. The clinic has three videostroboscopy suites with a recent donation to provide new high definition endoscopic scopes.

With the changes in care due to the pandemic, all speech therapy is now done virtually. It is anticipated that this will continue indefinitely given the nature of this type of treatment.

The department has been the recipient of two generous donations (\$150,000) by grateful patients for new equipment. A new nitrous oxide analyzer for the rhinology lab, a high definition processor and other sinus endoscopy equipment was purchased. Also, the current KTP laser is no longer supported and will be replaced by a new TruBlu fibre based laser for performing in office laryngology procedures. This equipment has proven to be incredibly versatile and has permitted many patients to receive treatment for laryngeal pathology in clinic with reduced wait times and quality outcomes.

#### **Education**

In 2020, Dr. Molly Zirkle will be completing her second five year term as the Director of the FitzGerald Academy, University of Toronto. Due to the pandemic, the medical school accreditation was delayed until the fall of 2020. Dr. John Lee has continued as the site representative for Postgraduate/Undergraduate education.

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

The department would like to thank Dr. Paul Douglas-Jones who was the clinical laryngology fellow last year. Dr. Douglas-Jones is an excellent clinician, teacher and colleague who has now gone into practice in Alberta.

#### Research

A separate report on rhinology and voice research activity has been submitted.



## Dr. Ralph Gilbert (Otolaryngologist-in-Chief)

The Department of Otolaryngology-Head & Neck Surgery at the University Health Network 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. We have recruited a new otologist to our group to replace the late Dr. David Pothier and we hope to have him in place by the new year.

The head and neck group including Drs. Gullane, Irish, Gilbert, Brown, Goldstein, de Almeida and Chepeha continue to be extremely productive both academically and clinically.

Dr. Irish continues to lead the guided therapeutics group at TECHNA and continues to work with peer-reviewed grant support from the Terry Fox Foundation on non-invasive techniques to facilitate treatment of head and neck tumors including thyroid cancer. The GTx group has also 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. de Almeida has completed our in-house FIND trial designed to evaluate the efficacy of Robotic Lingual

#### 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)

Tonsillectomy in patients with unknown primary tumors. This study will have far-reaching impacts on the management of this group of patients. Dr. de Almeida and Dr. Ali Hosni have developed a potential international clinical trial evaluating SPECT imaging of Oropharynx Cancer patients, in an attempt to de-intensify the treatment of these patients.

Dr. Goldstein is providing local leadership in thyroid oncology as the endocrine site group lead at the Princess Margaret Cancer Centre. In addition, Dr. David Goldstein leads the UHN's Department Research Program. David is the Co-principal Investigator of a national trial in active surveillance of early thyroid malignancy and is active in many areas of clinical research in head and neck oncology. Along with Dr. Patrick Gullane, Dr. Goldstein has facilitated a million dollar endowment from the Robertson Foundation in support of surgical trials in our department.

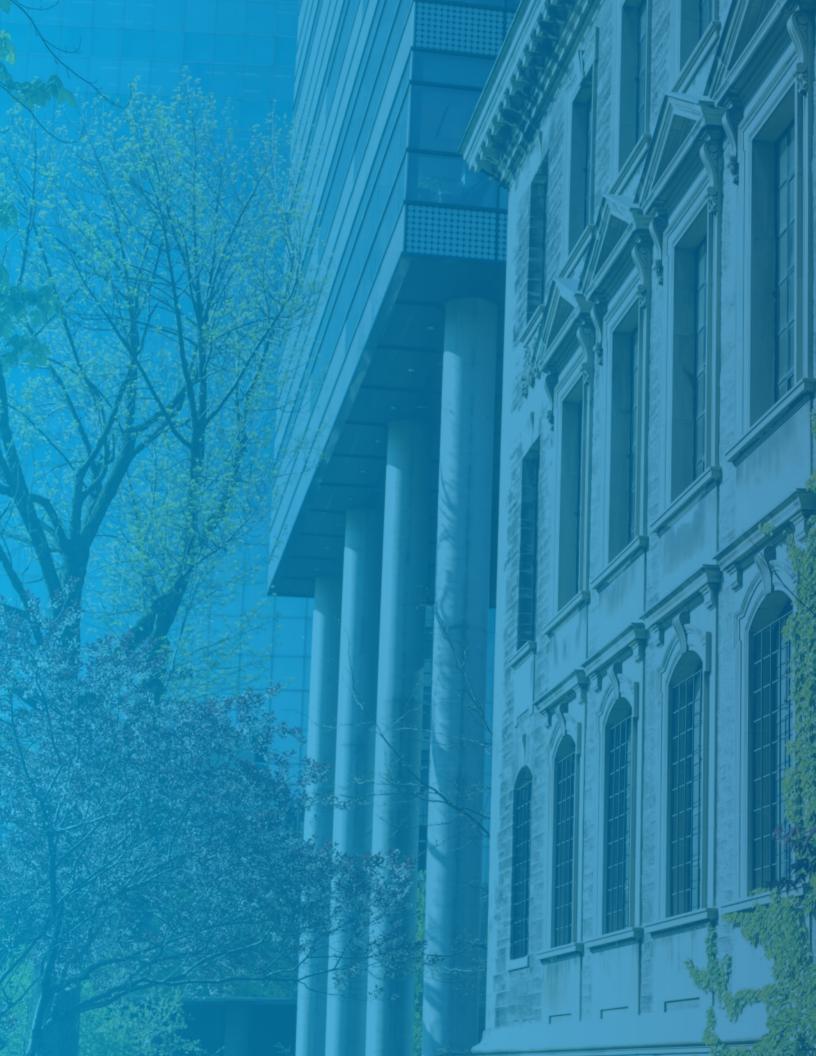
Dr. Chepeha has been very active in leading "Window" trials in the group and continues his work on rehabilitation of oral cavity patients in the post-surgical setting.

Generally, the entire group has been extremely productive internationally with invited presentations and free papers at numerous national and international meetings. Post-COVID-19 we have obviously changed our engagement to a more online involvement and are learning to work in this new era of CME.

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. Dr. Rutka continues to offer an outstanding fellowship in otology and neuro-otology.

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.

Special thanks to Jamie Chong and our clinical support staff for facilitating all that happens in the department. Thanks to Laura Di-Liddo who continues to lead our educational programs.





# **Neuro-Otology and Auditory Science**

# **Auditory Science Lab**

#### **Robert V. Harrison**

The Auditory Science Laboratory at the Hospital for Sick Children has been a part of the University Department of Otolaryngology-Head & Neck Surgery for 35 years! Over that period we have enjoyed continuous funding from CIHR (and originally MRC), as well as supplementary grants, large and small, from other agencies. We have generated over 200 peer reviewed research papers, as well as hundreds of conference lectures and posters.

We have employed a range of research tools to probe the structure and function of the normal and pathological inner ear, and the 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. In our anatomical studies, we make histological evaluations of the inner ear with light and electron microscopy.

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

Alas, all good things come to an end at some time. As this founder and director of the Auditory Science Laboratory approaches retirement, so too the laboratory ramps down to its final days (in late 2021). No new graduate students or post-docs can be recruited, and existing projects are being finalized. One important ongoing study is a collaborative effort with the University of Utah (Dr. Albert Park) on hearing loss associated with cytomegalovirus infection. We are presently supported by the Barberian Scholarship fund for this work.

For over 10 years the mainstay lab technician (now called a project manager) has been Jaina Negandhi. She has now found a new home with Dr. Karen

Gordon working with human subjects. Children with cochlear implants as opposed to chinchillas and lizards! I wish her much success in that new research area.

Our mission has always 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 35 years and I would like to thank all those graduate students (N>30) and post-docs (n>30) that I have trained in the Auditory Science Laboratory, and the scores of research collaborators who have trained me!

# **Neurotology and Vestibular Research**

#### John Rutka & Phillip Gerrestsen

The 2019-2020 academic year allowed us to focus on a number of clinical projects that required completion. We were especially pleased that our 25 year clinical experience in assessing systemic gentamicin toxicity was published. We believe this to be the most important paper recently published in the field of clinical ototoxicty and will fundamentally change practice patterns worldwide (ie identifying the differences in vestibulotoxicity patterns between single and multiple daily dosing gentamicin regimens, the role for multidisciplinary in-hospital monitoring of patients receiving aminoglycosides, further insights into the medicolegal aspects of vestibulotoxicity etc). Terence Fu and Paul Douglas-Jones are to be jointly acknowledged for the work they did on this paper.

In February 2021 we expect Dr. Neil Bailie from Belfast, Northern Ireland to join us on staff.

Dr. Bailie's research interests currently involve the use of ceramics in middle ear and mastoid surgery, the development of collaborative multidisciplinary neurotology models to meet patient demands and the application of endoscopic ear surgery techniques in post graduate training.

We will also be taking part in a number of collaborative research projects with our UHN Centre for Advanced Hearing and Balance Testing through co-workers Kaitlin Harvey and Carolyn Falls.

#### Our current research projects involve:

- 1. The prevalence and correlation of Head Shake Nystagmus (HSN) to VEMP, ENG and vHIT testing from the UHN Center for Advanced Hearing and Balance Testing databases.
- 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. Further analysis of the UHN Multidisciplinary Gentamicin Monitoring Program for the Prevention of Ototoxicity-Does it work?/Where it falls down?
- 5. Further analysis of the Effects of Vestibular Rehabilitation Therapy in Cerebellar Ataxia and Bilateral Vestibulopathy (CABV).
- Creation of a Comprehensive Teaching Portfolio from the UHN Neuroradiology and Neurotology Rounds.
- 7. Creation of a Comprehensive Video Library of Otology/Neurotology Findings/Procedures.
- 8. Trends in surgery for chronic ear disease in the Province of Ontario-Data looks at OMA/MOHLTC data in the surgical management of CSOM from 2008-2020 compared to similar data from 1987-2002.

Dr. Philip Gerretsen and his research team have continued to be busy in the clinical management of cognitive vestibular disorders at UHN. Their hallmark papers describing the Association between Catastrophization and Dizziness and the Interdisciplinary Integration of Nursing and Psychiatry is to be followed by an interesting assessment studying the outcomes of patients with cognitive vestibular dysfunction with/without an insurance/medicolegal action.

#### Further research activities include:

- 1. Outcome analysis of patients receiving Cognitive Vestibular Therapy with/without an insurance/medicolegal claim.
- 2. Reactivity of the Vestibular System to Caloric Vestibular Stimulation in Schizophrenia.

# Neurotology/Vestibular Publications for the academic year 2019-2020 included:

- Kraus M, Hassannia F, Bergin M, Al-Zaabi K, Rutka JA. Longterm Outcomes from Blind Sac Closure of the External Auditory Canal: Our Institutional Experience in Different Pathologies. J Int Adv Otol 2020; 16 (1):58-62 doi:10.1552/iao.2020.7688.
- Varrino B, Sulway S, Wetmore C, Dillon W, Misquitta K et al. Vestibular Exercises as a Fall Prevention Strategy in Patients with Cognitive Impairment. C J Neurol Sci 2019 doi:org/10.10107/cjn.2019.309.
- Hassania F, Carr SD, Rutka JA. Transient Vertigo with Horizontal Nystagmus to Loud Noise and Pressure: Utricular Hydrops or Vestibular Atelectasis? J Int Adv Otol 2019 DOI: 5152/iao. 219. 6238.
- Hassania F, Douglas-Jones P, Rutka JA. Gauging the Effectiveness of Canal Occlusion Surgery: How I do it. J Laryngol Otol 2019; 1-5. https://doi.org/10.1017/S0022215119002032.
- Hassania F, Lee J, Rutka JA Delayed Failure in Tympanoplasty: A 20 Year Study of the Incidents and Reasons for Reperforation in 359 Patients. Clin Otolaryngol 2020; 00:1-3 DOI:10.1111/coa.13522.

- Al-Zaabi K, Hassania F, Bergin MJ, Rutka JA.
   Management of Invasive Intralabyrinthine
   Cholesteatoma: Can One Realistically Preserve
   Hearing when Disease is Medial to the Otic
   Capsule. Am J Otolaryngol 2020 1-3
   doi.org/10.1016/j. amjoto. 2020. 102407.
- Fu TS, Douglas-Jones P, Dillon W, Ilan O, Syed IM, Leis J, Gold W et al. Gentamicin Vestibulotoxicity. Further Insights From a Large Clinical Series. Otol Neurotol 2020; 41(7): 864-872.

# Cochlear Implant, Neurotology & Otology Research

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

The Sunnybrook Cochlear Implant program is currently funded for 250 implants for the 2019-2020 fiscal year. Our recent submissions to Health Quality Ontario were successful and now we are approved for bilateral adult cochlear implantation, single sided deafness, bone conduction devices and also brainstem implants. Special thanks to Dr. Chen for his hard work with the team at Health Quality Ontario to help pass these important recommendations. The Sunnybrook cochlear implant team continues to grow and this year we have 3 surgeons, 6 full time implant audiologists, 2 admins, 1 communication disorders assistant, 2 clinical fellows, 1 full time researcher, graduate students and post-doctorate fellows.

The electrophysiology lab led by Dr. Dimitrijevic continues to produce clinical relevant research on listening effort and biomarkers for cochlear implant performance. The lab continues to publish and present at major international meetings such as the ARO.

Currently our team is involved with several industry lead clinical trials. The largest being the expanded criteria trial led by Med-EL which is almost finished enrolment with a goal to formally recognize expanded clinical criteria for adult cochlear implant patients. We continue to recruit patients into our genetics study which in collaboration with our

colleague at SickKids is using high powered gene sequencing to hopefully unlock new genetic clues for those with a strong family history of hearing loss. Our single sided deafness trial is continuing to enrol patients and we anticipate this to dramatically increase with the change in funding.

Dr.Vincent Lin continues to utilize the hearing impaired MoCA to better characterize our elderly patients undergoing cochlear implantation and our next major milestone is to expand the HI-MoCA into a more comprehensive test that can be repeated longitudinally in patients pre and post-implantation to determine effects on overall cognition. This is in collaboration with our colleagues in neurology at Sunnybrook.

Our research fellows and residents continue to help tremendously with our clinical outcomes data research looking at quality of life and economics of implantation. All these efforts were essential as they provided evidence for the tremendous benefit of cochlear implantation in our adult population and helped steer Health Quality Ontario towards the funding of our expanded criteria and bilateral implantation.

We are most grateful to our patients who continue to generously donate both time and finances towards our research endeavours and we look forward to another successful year at the Sunnybrook Cochlear Implant program.

# Auditory Development & Regeneration Alain Dabdoub & Trung Le

The Dabdoub Lab continues to make significant progress in discovery science elucidating the biology of the inner ear as well as in translational science thanks to the efforts of a dedicated group of trainees and the vision and support of the Sunnybrook Department of Otolaryngology-Head & Neck Surgery.

For this year, I highlight three areas of innovation:

• We built the first electrochemical immunobiosensor to detect inner ear biomarkers circulating in blood. We published the proof of concept study earlier this year and filed a patent for the technology. We have successfully obtained a five year NSERC grant to support this work.

- We have discovered a novel protein expressed in sensory hair cells through our bioinformatics work supported by the Harry Barberian Scholarship. We presented our findings at the International Society of Developmental Biology Meeting and continue to elucidate the function of this protein.
- We are the first to use MRI guided focused ultrasound to systemically and noninvasively deliver gene therapy to the inner ear in collaboration with the Centre for Excellence in Focused Ultrasound at Sunnybrook. We presented this work, funded by a Krembil Foundation grant, at the Federation of European Neuroscience Societies conference.

We are well positioned for transformational advances in basic and translational research for the treatment of inner ear disorders including hearing loss and balance dysfunction.

Follow us on Twitter: @LabDabdoub

# 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 includes two research project coordinators, Jaina Neghandi and Al Blakeman.

In September 2018, Robel Alemu began his MSc program at the Institute of Medical Science. He is working on a new set up to assess spatial hearing in children with and without hearing loss and is set to defend his research thesis at the end of August 2020. We were 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 had been working on a collaborative project with Dr. Dimitrijevic assessing brain function in adults and children using bilateral cochlear implants, but this was halted in March due to COVID-19 restrictions. Her work has pivoted to assessment of cortical plasticity in adolescents who receive bilateral cochlear implants. In September 2019, we welcomed Rebecca Benjamin to work on a project examining strategies to balance function in children with hearing loss. This work was also halted by COVID-19 restrictions but we are presently attempting to restart data collection.

We also said farewell to several members of our laboratory. Dr. Hyo-Jeong Lee was a visiting otolaryngologist from Seoul, Korea from October 2018 to December 2019. She worked on brain plasticity in children with single sided deafness who receive a cochlear implant. Claire McSweeny completed her MSc program at the Institute of Medical Science in August 2019. She worked on a project exploring the effects of impaired binaural hearing and vestibular deficits on spatial awareness, memory, and navigation and the implications of these spatial problems on physical activity and academics (reading and mathematics). Dr. Hillary Ganek, a PhD speech-language pathologist,

completed her post-doctoral work on language exposure in children's everyday environments. She compared data recorded with a Language ENvironment Analysis (LENA) device and scene categorization provided by datalogging functions in the cochlear implant processors.

We have enjoyed the opportunity to work with a number of students last summer and were disappointed to have to cancel plans to take on several undergraduate summer students due to COVID-19 restrictions. We continue to have important collaborations both 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).

Despite COVID-19 restrictions to our clinic and research, the past year has been very productive: 21 publications came out or are in the press. Between this summer and last, we collectively presented over 30 abstracts at international meetings and gave more than 50 invited talks internationally.

Some highlights from the past year include:

- CIHR funding in the 2019 Spring competition (Novel treatment to promote spatial hearing in children who are deaf: Primary Investigator: Gordon, KA, Co-investigator(s): Papsin BC, Cushing SL; Collaborator(s): Scollie S, Papaioannou V, CIHR Project Grant, Fall 2019 competition, \$559,980).
- Karen Gordon appointed as Chair of IMS
   Appointments Committee and member of IMS
   Leadership Committee.
- 6 student/trainee awards including the Canada Graduate Scholarship-Master's Program,
   Canadian Institutes of Health Research (CIHR)
   Frederick Banting and Charles Best Canada Graduate Scholarships to Rebecca Benjamin.
- Open Scholarship Award, Institute of Medical Science, University of Toronto to Robel Alemu and Rebecca Benjamin.

 Summer Undergraduate Research Program 2019, Joint Funding Award, Institute of Medical Science, University of Toronto to Yujia (Joyce) Chen.

#### OtoSim™ Lab

#### Paolo Campisi and Vito Forte

Despite the COVID-19 crisis, and by sticking with our innovative mission aligned with that of the department, the OtoSim<sup>TM</sup> educational platforms continue to be well positioned to satisfy all the learning requirements whether in-person or remote. This success to-date has been made possible thanks to the ongoing efforts of team members and collaborators.

Dr. Vito Forte is still full-time CEO and CTO of OtoSim<sup>TM</sup> Inc. and he also is an active member in the CIGITI Lab at SickKids. This has resulted in a successful collaborative team involving engineering students from UofT as well as other programs across Canada. This activity continues to stimulate students from the lab and the program to pursue further post graduate degrees.

Product development remains a key component at OtoSim<sup>TM</sup> Inc. We have introduced advanced self-learning software and remote teaching capabilities and released many upgrades to the software. These software upgrades now permit the creation of instructor image libraries and content creation allowing for even greater collaborations with other centres around the world.

Over 650 universities around the world now use our proven technologies.

This past year, the National Resident Project was successfully completed, spear-headed by Dr. Campisi and all the program directors from across Canada. This voluntary involvement of each center was made possible through the generous support of Mr. Ralph Chiodo, the Department of Otolaryngology-Head & Neck Surgery and OtoSim<sup>TM</sup> Inc. Every resident across Canada received at no charge their own hardware and software package. The PGY5 cohorts have generously gifted their devices back to the incoming PGY1s in hope of sustaining this valuable

initiative. Independent analysis of data is currently underway for future publication and competencybased planning.

The UofT Clerkship year continues to effectively use the OtoSim<sup>TM</sup> Mobile and now the OphthoSim<sup>TM</sup> Mobile for the training of the ear and eye exam during COVID-19 times. This innovative initiative has been led by Dr. AlVescan and Dr. Stacey Bernstein, Clerkship Director, MD Program, Faculty of Medicine, University of Toronto and made possible through a generous grant to the University of Toronto. Simulation and teaching are carried out through a combined Zoom lecture delivered by Dr. Campisi while students can simultaneously practice their otoscopy or ophthalmoscopy skills using a real scope viewing

pathologies, through the mobile device attached to their smartphone or tablet, either during the virtual lecture or later at the student's leisure. Dr. Vescan has also deployed the mobile simulators in the clinic with students practicing and viewing pathologies prior to the patient encounter to maximize the learning moment. Activities for the students have been coordinated through Andrea Donovan, Education Coordinator, Department of Otolaryngology-Head & Neck Surgery.

Development continues for both smart-phone based mobile simulators bringing another dimension to teaching of otoscopy and direct ophthalmoscopy applying effective, efficient and affordable simulation achieving a global impact.

# **Head and Neck Oncology**

# **Head & Neck Oncology Research**

#### Danny Enepekides, Kevin Higgins, Antoine Eskander

The Sunnybrook Health Sciences Centre Head and Neck Oncology Division had a productive year with several clinical trials and research projects currently underway. The division has launched a research project in collaboration with the Department of Dentistry (Dr. Eszter Somogyi-Ganss) and Craniofacial Prosthetics Unit to create a survey on the satisfaction and use of craniofacial prosthetic devices.

This year, the department was also very pleased to welcome medical oncologist Dr. Martin Smoragiewicz to our team who will assist in overseeing several head and neck oncology clinical trials. Among those include a multicentre study which will explore the effects of high vs. low-dose cisplatin and N-acetyl cysteine (NAC) on ototoxicity for locally advanced head and neck squamous cell carcinomas (HNSCC). An exciting upcoming trial for first-line treatment in recurrent/metastatic HNSCC will examine a novel immunomodulatory agent in combination with Pembrolizumab and chemotherapy.

A few clinical trials have achieved successful recruitment this year in HPV-associated oropharyngeal SCC; most notably ORATOR II and HN.10 (EVADER), which examine de-escalation radiotherapy vs. trans-oral surgery, and de-escalation radiotherapy, respectively.

We are pleased to announce that Dr. Antoine Eskander received the New Investigator Award from the Terry Fox Research Institute and Canadian Institute of Health Research (CIHR). Dr. Eskander will receive \$445,000 over three years to conduct an exciting new research project that aims to explore symptoms in increasingly younger patients with HPV-related head and neck cancers as predictors of various factors including survival, cost of care,

emergency room visits and unplanned hospitalizations. Dr. Eskander has formal graduate appointment status and is on several thesis committees at the Institute of Health Policy, Management and Evaluation including cosupervision with Dr. Natalie Coburn of one of our own residents, Dr. Christopher Noel, on his PhD thesis.

Additional research projects under Dr. Eskander's care include a funded study examining self-harm and psychological distress in cancer patients, prediction of locoregional failure in patients with T3 larynx cancer, and several studies at ICES looking to assess the impact of COVID-19 on the cancer system.

Additional research under Dr. Kevin Higgins includes the creation of a surgical database, compiling the surgeries that included the use of free tissue transfer flaps into a singular dataset to better link the types of surgeries and free-flaps used in these procedures. Between July 1st, 2019 to June 30th, 2020, a total of 97 of these surgeries were performed at Sunnybrook. Another prospective research study examining the use and healing rates of Cytal<sup>TM</sup> Wound Matrix on skin graft donor sites following free-flap procedures is currently in progress.

# **Head & Neck Surgical Research**

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

The 2019-2020 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. During this academic year the UHN surgeons had over 70 peer-reviewed publications accepted or in-press as well as authored nine book chapters. This past year also saw a number of successful grants being obtained by our UHN head and neck faculty, as either principal investigator or co-investigator, in the

amount of almost 3 million dollars, including two CIHR project grants, one CIHR operating grant and one CCS innovation to impact grant. Many local, national and international research collaborations continue in the areas of clinical and translational research.

There have been a number of notable research activities to report for this past academic year. The Finding/identifying primaries with neck disease (FIND) trial has successfully completed recruitment and closed, as has the multicentre study on comparison of quality of life between open vs endoscopic skull base using the Skull-base Inventory. We have completed a pilot window of opportunity study of immunotherapy prior to oral cancer surgery, the SNOW trial, with ten patients accrued. The Guided Therapeutics program also has a number of notable achievements that is presented separately.

The SELECT trial: A phase III randomized trial investigating the role of lymphatic mapping for management of the neck in oropharynx cancer was approved by the Canadian Cancer Trials Group and the EORTC to move forward with the study development. The Toronto Active Surveillance in low risk thyroid cancer study has been successfully recruiting and expected to complete accrual by December 2020. The CIHR and CCSRI sponsored Pan-Canadian Active Surveillance study has been initiated with representation of study sites across Canada, in addition to continued participation and collaboration from the many sites within and outside of the Greater Toronto Area.

We have continued active efforts in the assessment and rehabilitation of oral cavity cancer patients. We are piloting a biofeedback program at UHN using electropalatography to aid in oral rehabilitation of patients in their home through a computer link. There have been five patients who have completed the protocol and 4 patients actively enrolled. In a separate effort, we are tracking the speech and swallowing outcomes of patients who have undergone surgery, involving the oral cavity, to develop metrics that could guide oral cavity

reconstruction. There have been 60 patients that have completed the protocol and 18 patients enrolled. A pilot study evaluating the microbiome in oral cavity cancer patients to see if there is an association with an inflammatory response at the invasive front has been initiated with currently 19 people who are enrolled in the study.

Lastly, we want to highlight and acknowledge two very generous donations to support the head and neck cancer research program at the UHN. Firstly, the Shen Family Charitable Foundation support to develop a head and neck surgical database which will prospectively collect outcomes on surgical patients to complement the Anthology of Outcomes Head and Neck Database. The other is the Robertson Foundation donation to support the development of a head and neck surgical oncology trials program at the UHN.

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, 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.

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 over diagnosis 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

This year has been difficult because of the pandemic. However, we continue to focus on a number of clinical and basic science research projects. 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.

We use high throughput automated robotic screens to 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 aim to 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 oral cancers.

Current projects this year included developing a molecular assay for detection and quantification of the BRAF mutation in residual tissue from thyroid FNA specimens and investigating Galactin-3 in distinguishing invasive encapsulated carcinoma from noninvasive follicular thyroid neoplasms with

papillary-like nuclear features (NIFTP).

# 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 (HPV) associated oropharynx cancer, and prognostic value of imaging-omic data.

Each year, our team publishes over 100 peerreviewed publications in leading scientific journals. This year has seen numerous advances in HNC research. First, I would like to congratulate the Princess Margaret HN.10 Team on winning the highly prestigious 2020 CCTG Phase III Team Award for excellent accrual metrics including local activation time, and excellent compliance. HN.10 is an innovative, multi-institutional Phase II single arm trial that evaluates the effectiveness of elective volume adjusted de-escalation radiotherapy in patients with low-risk HPV-related oropharyngeal squamous cell carci¬noma. Led by Dr. Scott Bratman, the multi-disciplinary and multiprofessional team includes: Drs. Andrew Bayley, John Cho, Meredith Giuliani, Ezra Hahn, Andrew Hope, Ali Hosni, John Kim, Jolie Ringash, John Waldron, Andrea McNiven, Aaron Hansen, Lillian Siu, Anna Spreafico, John de Almeida, Eugene Yu, Ur Metser, as well as Pat Merante, Masoud Mohammadi, Andrei Rotarescu, Rehab Chahin, Jesse Abed, Maria Braganza, Zoe Doyle, Sarah Ramotar, and Vanessa Speers.

Next, congratulations to Dr. Brian O'Sullivan,

former Bartley-Smith Wharton Chair in Radiation Oncology (2009–2019) and renowned HNC researcher, on receiving the 2020 American Society for Radiation Oncology (ASTRO)'s Gold Medal Award! The Gold Medal is the society's highest honour, which recognizes individuals who have made exceptional contributions and impact within the field of Radiation Oncology through their research, clinical care, teaching and service.

Finally, a research team led by Drs. Fei-Fei Liu, Xiao Zhao (former head-and-neck surgery resident) and

Jennifer Kwan (radiation oncology resident) published a high impact review in *Nature Reviews Drug Discovery*, which discusses evidence to date on targeting metabolic dysregulation for fibrosis therapy and describes novel opportunities for drug discovery and therapeutic development. Radiation-induced fibrosis is a long-term side effect that can significantly compromise patients' quality of life, particularly for HNC patients. The team also received an Innovation to Impact Grant from the Canadian Cancer Society to develop anti-fibrosis treatments to improve cancer survivorship.

# Head and Neck Surgery

# Guided Therapeutics (GTx) Research Program

Jonathan Irish (GTx Program Leader/Director, Clinical Faculty, TECHNA Research Institute)

# **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. Axel Sahovaler, Donovan Eu, Catriona Douglas and Wetchayan Chansarn

# GTx Visiting Residents (Italy-Toronto Collaboration):

Drs. Marco Ferrari, Stefano Taboni, Tommaso Gualtieri

The GTx Research Program, part of UHN's TECHNA Institute, continues to lead and support research, run translational clinical trials and develop 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:

 The GTx Program continues to collaboratively work on the development and translational

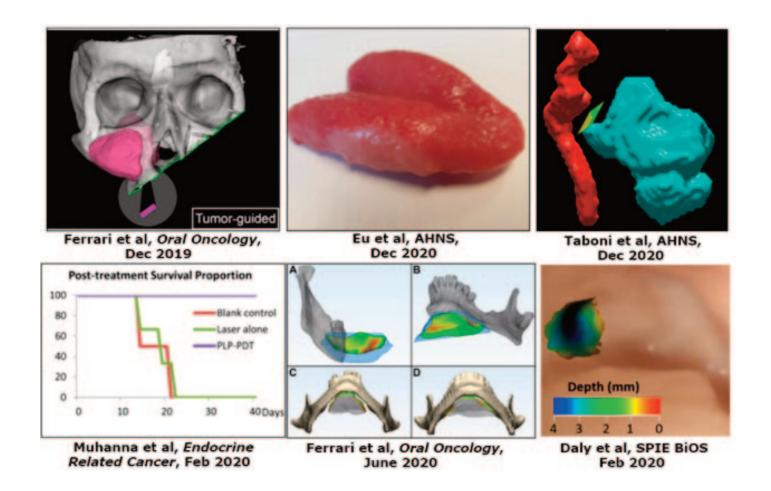
research of nanoparticles for imaging and therapeutic use. This includes the GTx Program's continued research and development of porphysome nanoparticles (developed by and in collaboration with Dr. Gang Zheng) as an imaging and therapeutic (theranostic) agent for thyroid and oral cavity cancers (Figure, Muhanna et al, 2020). This research is part of the \$5.5M 7year Terry Fox New Frontiers Program Project Grant for "Porphysome Nanoparticle-Enabled Image-Guided Cancer Interventions" which was announced in September of 2017. As part of this research effort, the GTx program (in collaboration with other research groups at UHN and Sunnybrook) has continued to advance porphysome-enabled photodynamic therapy (PDT), and more recently photothermal therapy (PTT), as a potential treatment option for papillary thyroid cancer. Nanoparticle production scale up and preclinical studies completed as part of this collaboration in prior years has laid the groundwork for first in human studies to begin in 2021;

- Developing upon the research completed as part of the Terry Fox New Frontiers Program Project, the GTx program has continued studies to determine the safety, efficacy and feasibility of using porphysome nanoparticles for PDT or PTT treatment and fluorescence image guided surgery for sarcoma, oral cavity and oropharynx cancers;
- Developing a three-dimensional fluorescence imaging system for head and neck surgical guidance (OHNS Raymond Ng & Wendy Chui Innovation Fund);
- Developing and translating image-guidance and 3D intraoperative imaging technologies for open and endoscopic sinonasal and maxilla resection;
- Development of 3-dimensionally printed stem

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- cell scaffolding for bone reconstruction-a collaboration between University of Brescia (Italy) and UHN (Irish/Gilbert/GTx);
- Improving reconstruction through new 3D modelling and multi-material printing capabilities;
- Creation of a silicone rubber-based tongue simulator for use in surgical training and evaluation of novel preclinical devices (see figure – Eu et al.,);
- Evaluating custom augmented reality (AR) and virtual reality (VR) technologies for surgical training and guidance;

- Evaluating cone-beam CT imaging for otology applications;
- Replacement of the aging cone beam CT used by the GTx lab will be completed in 2020;
- Applying machine learning techniques to recognize surgeon hand gestures for intraoperative visualization of 3D imaging in a sterile surgical environment.
- Continuing ongoing collaboration with Sinai Health surgeons to translate GTx surgical navigation technology to Sinai Health ORs for osteosarcoma surgeries. This past year, a new 2D-3D image registration algorithm has been evaluated in animal models.



# 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



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

- >20 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

Despite the challenges imposed by the COVID-19 pandemic, 2019-2020 was an incredibly productive year for our rhinology research program here at St. Michael's Hospital (SMH). I am grateful for the continued generosity of the Dunin Foundation which believed in our research agenda and has supported so many of our projects. I also want to thank the university department which has provided invaluable grant support through the Harry Barberian Scholarship, for our resident projects during their dedicated research blocks. Below are some of the highlights from this past year:

- 1) A total of 9 peer-reviewed manuscripts were published in the following journals this past year:
  - a. International Forum of Allergy & Rhinology(3)
  - b. The Laryngoscope (1)
  - c. Otolaryngology-Head and Neck Surgery (1)
  - d. American Journal of Rhinology & Allergy(1)
  - e. Head & Neck (1)
  - f. Canadian Journal of Emergency Medicine(1)
  - g. Canadian Medial Association Journal Open(1)

The majority of these studies were led by the incredibly talented residents in our training program: Drs. Vincent Wu (PGY2), Daniel Lee (PGY3), Chris Noel (PGY3), and Justin Cottrell (PGY3). A special mention should be given to Dr. Daniel Lee who was the first author on five of these studies. His interest and dedication in rhinology is incredible. I also want to acknowledge Elysia Grose, a medical student from the University of Ottawa who was also first author on one of the studies. She participated in the Keenan Research Summer Student program and was incredibly productive during her time

with us.

- 2) Dr. Vincent Wu (PGY2) spent his 4-month research block with me at SMH this past year. Vincent was incredibly well organized and motivated and had a tremendously successful research rotation. First of all, Vincent was successful in obtaining a Harry Barberian Grant to study "Levels of Nasal Nitric Oxide (nNO) and Inducible Nitric Oxide Synthase Expression in Chronic Rhinosinusitis with Nasal Polyposis (CRSwNP)". During his research block, Vincent not only measured nNO in CRSwNP surgical patients but he also performed true translational research by collecting mucosal specimens from the operating room and performing both protein and RNA analysis in Dr. Philip Marsden's lab in the Li Ka Shing Knowledge Institute. While all patient recruitment has been completed, some of the final laboratory analysis has been delayed because of the shutdown associated with COVID-19. However, we are all excited to see Vincent present his research next year at major international rhinology meetings.
- 3) Scientific meetings this year have been forever changed because of the pandemic. That being said, we were all set to have one of the strongest showings from our department at the American Rhinologic Society Spring Meeting at COSM where a total of 3 scientific oral presentations were accepted from SMH. This meeting was ultimately postponed to a virtual meeting in Fall 2020 but I want to congratulate Elysia Grose, Drs. Daniel Lee (PGY3) and Shireen Samargandy (PGY3) for their outstanding efforts. Topics that were to be presented include surgical outcomes in aspirin exacerbated respiratory disease, nasal nitric oxide as a longterm biomarker for sinus mucosal health, as well as a systematic review of outcomes in chronic rhinosinusitis and immunodeficiency. Additionally, two scientific oral presentations

- were accepted into the Canadian Society of Otolaryngology-Head & Neck Surgery Annual meeting but that has been delayed until the fall.
- 4) Finally, I want to highlight a study that was conceived, completed and published in the height of the first wave of the pandemic. With the tireless work of Dr. Daniel Lee (PGY3) and in collaboration with the COVID-19 assessment centre at SMH, we performed the first and only Ontario-specific cross-sectional study to evaluate the association between anosmia/dysgeusia and COVID-19 positivity. This study was published in the Canadian Journal of Emergency Medicine and has garnered significant attention well beyond our own specialty.

Once again, I want to thank our medical students and resident trainees whose continued hard work and dedication is what truly drives our rhinology research mission at St. Michael's Hospital. I would not be able to pursue these endeavours without a strong group of motivated and interested team members. Despite the anticipated challenges in clinical research this upcoming year, I am excited to continue to see the growth of rhinology research at our institution.

# Voice and Upper Airway

# Paediatric Airway and Head & Neck Research Lab

Evan Propst, Nikolaus Wolter, Robert Harrison, Karen Gordon, Alex Osborn, Jennifer Wolter, Jonathan Wasserman, Thomas Looi, George Yousuf, 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 (held by Blake Papsin), Restracomp, and funding from the Stronach, Paris, Choi and Lo families. Building on previous work aimed at improving outcomes in pediatric thyroid carcinoma (i.e. recurrent laryngeal nerve monitoring during thyroid surgery reported last year), our group recently investigated the patterns and predictors of metastatic spread to the neck in pediatric thyroid carcinoma, which was published in the journal The Laryngoscope. The goal of this study was to help predict which lymph nodes are affected in pediatric thyroid cancer in order to achieve a more complete surgery. To better understand the behaviour of pediatric thyroid cancer and how it differs in children compared with adults, our team has been investigating total and microRNA-based diagnostics for pre- and post-operative treatment stratification of children and adolescents with thyroid masses and thyroid carcinoma. Preliminary work was supported by a Harry Barberian Scholarship Award. I am proud to report that our group was recently awarded a large amount of funding from the Garron Family Cancer Centre for this promising study, with Jonathan Wasserman of Endocrinology as Principal Investigator and Jennifer Wolter as head Research Associate.

Ashley Deonarain, an outstanding graduate of the University of Toronto, Department of Engineering, successfully defended her Master's thesis showing

that the high fidelity synthetic neck and airway model created in our laboratory and CIGITI was as valid as using a live porcine model for teaching tracheostomy and open airway surgical procedures (thyroid ala and costal cartilage graft laryngotracheoplasty). This work was extremely well received when presented at the International Conference of the IEEE Engineering in Medicine and Biology Society in Berlin, Germany, and the Society for Ear Nose and Throat Advances in Children (SENTAC) in San Diego, California. This model was also used to train 51 otolaryngology-head & neck surgery trainees in a hands-on course coordinated by SENTAC and Endo Days. Competency-based assessment tools have since been published in the *The Laryngoscope* 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 also created a laminated poster of the airway with photos of common anomalies, oriented as you would see it during rigid bronchoscopy, that has been distributed free of charge to thousands of people around the world. Please contact us if you would like a poster to hang in your operating room or clinic.

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. Jennifer Wolter, Alex Osborn and Nik Wolter, have done a tremendous job studying intracellular junctions, lymphangiogenesis, and the AKT pathway in normal lymphatic tissue and have successfully grown human lymphatic malformation cells. The lab's impressive novel discovery that SHP-2 inhibitors prevent the growth of lymphatic malformations and act synergistically with sirolimus was presented by

Jennifer Wolter at the International Society for the Study of Vascular Anomalies (ISSVA) in Vancouver. Our new departmental tissue bank has recently obtained REB approval and 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

Voice and laryngology research at St. Michael's Hospital has been developing a wider collaborative network within our local academic environment as well as with national and international investigators largely due to the increased effort by Dr. Jun Lin and the other team members.

Despite the COVID-19 pandemic induced changes to clinical and academic practices, the voice research team including trainees, speech language pathologists and laryngologists were productive with several new grants and five research publications. The voice research team has also presented at various national and international meetings. This includes the Congress of European Society of Otolaryngology, Fall Voice Conference (United States), American Academy of HNS and the International Association of Phonosurgery.

Several other podium presentations by trainees and faculty have been delayed due to COVID-19 and will be included in next year's annual report.

# **Research Grants**

- 2019 November
   Co-investigators: Anderson J, Lin, RJ
   St. Michael's Hospital Alternate Funding Plan:
   Innovation Grant
   Comparison of Blue light and KTP laser
   treatment for RRP in adult ambulatory
   population. \$12,000
- 2020 April
   Dr. Jun Lin: Principal Investigator
   Surgical Protective Barriers for AGMP in the Head & Neck Region for SARS-CoV2 and

Similar Respiratory Pathogens, SMH Alternate Funding Plan, \$25,000.

3. 2020 May
Dr. Jun Lin: Principal Investigator, Dr. Jennifer
Anderson Co-investigator
Comparison of Transcriptomic Changes in
Idiopathic Subglottic Stenosis & Normal
respiratory Mucosa Using High Throughput
RNA Sequencing.
American Laryngological Association. \$10,000
USD.

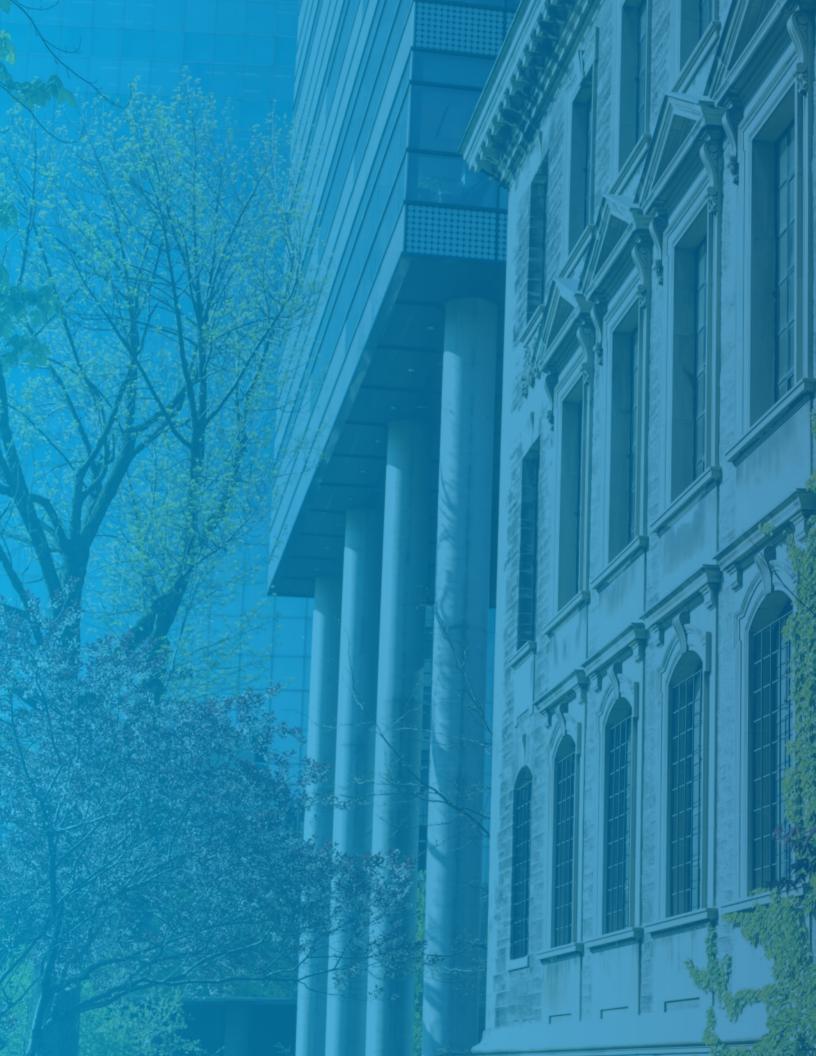
## **Publications**

- Townsley R, Anderson J, Yiannakis C. Awake transnasal laryngeal and pharyngeal biopsy in the unsedated patient. 2020 March/April, Vol. 29, No. 1 ENT and Audiology April 2020 Vol 29 No 1, p 1-4
- 2. Anderson JA and Al Ali, M. The Role of steroid injection for vocal fold lesions in professional voice users. J Otolaryngology HNS 2020 49:50 p1-7. http://doi.ord/10.1186/s40463-020-00434-5
- 3. R. Jun Lin, MD, FRCSC, MSc; Vladimir Iakovlev, MD, FRCPC, FCAP; Catherine Streutker, MD, MSc, FRCPC; Daniel Lee, MD; Mohammed Al-Ali, MBBS, FRCSC; Jennifer Anderson, MD, MSc, FRCSC. Blue Light Laser Results in Less Vocal Fold Scarring Compared to KTP Laser in Normal Rat Vocal Folds. Laryngoscope. June 2020 DOI: 10.1002/lary.28892.
- Lin RJ, Robinson LR. Laryngeal Electromyography: Present and Future IN: Current Otorhinolaryngology Reports. Neurolaryngology, 3-10. AJ McWhorter & L Adkins, Springer. 2020, June 3.
- 5. Lin RJ, TW. Hormonal replacement therapy is associated with a higher speaking fundamental frequency in postmenopausal women with normal BMI as systemic review and meta-analysis. JAMA Otolaryngol. Head Neck Surg. (Accepted for publication on Jun 13, 2020)

6. Pain Evaluation during In Office KTP laser. Dr Douglas Jones, Dr J Anderson, J Lin, T Davids. Submitted J Otolaryngol

# **Ongoing Projects**

- 1. Outcomes of voice feminization training: a comparison of group and individual therapy modules. Dr. Jennifer Anderson, Dr Jun Lin, Gwen Merrick MHSc SLP.
- Outcome after Tracheostomy in COVID+ ICU patients: St. Michael's Hospital Experience. Dr. Fahad Aldhahri and Dr. Jennifer Anderson (trainee led project).
- 3. Development and assessment of laryngeal pathology atlas for resident education (Drs. Jun Lin, Jennifer Anderson and Grace Yi) Trainee project.
- 4. Developing an objective structured assessment of technical skills (OSATS) in microlaryngoscopy. Dr. Jun Lin.
- 5. Laryngoscopic and stroboscopic signs in diagnosis of presbylarynx (Dr. Jun Lin, collaborator).





# **Humanitarian Outreach**

#### **Face the Future Foundation**

Dr. Peter Adamson, OOnt, MD, FRCSC, FACS President and Founder

Face The Future Foundation completed it's 24th year of overseas humanitarian surgical missions in 2020. These have been made possible through a generous endowment from a patient of Dr. Adamson's in 1996, followed by support from friends and corporate donors through Chrysalis, the foundation's annual fundraising event.

The goals of Face The Future Foundation are to send teams of surgeons, anesthesiologists, nurses and other medical professionals to treat patients with congenital, traumatic and advanced oncologic head and neck disease. In less developed countries these patients, who would not otherwise receive care, and their families are provided hope for a brighter future. While patients of all age groups are treated, there is an emphasis on helping children. Education of host teams is emphasized, with hands-on experience in the operating room, ICU and ward. Trauma and soft tissue courses, case management studies and didactic teaching also play a role in sharing knowledge. In this manner, our teams build capacity and enhance sustainability in the host hospital and health care system.

Partnerships are established with local surgeons and with the Ministry of Health in the host countries. We always ask what they need, and work to fulfil their requests. We commit to a long-term relationship, with most team members returning year after year. In this manner, respect, trust, collegiality and friendships are built to enhance the impact of the mission. In between missions, communication is maintained to follow up with patients and consult on complex cases. In 2019–20 Face The Future completed three major missions which are highlighted below.

# ADDIS ABABA, ETHIOPIA

The foundation's first major mission to Addis Ababa was led by Mission Director Dr. Marco Caminiti, Associate Professor of Oral and Maxillofacial Surgery and Head of their PGME program, at the University of Toronto. Two OMFS surgeons joined Drs. Caminiti and Adamson, as Chef de Mission, for the two week mission to St. Peter's Special Surgery Hospital from October 19–29, 2019. This mission was in partnership with the Toronto Addis Ababa Academic Collaboration (TAAAC) and the Addis Ababa University.

On this mission, 45 patients were screened from which 36 potential surgical candidates were selected. Due to certain patients having inoperable advanced disease and limitations of local surgical equipment, 16 patients were operated upon. Conditions treated included neoplastic boney and soft tissue tumours, congenital and traumatic orthognathic deformities, facial paralysis, burns and cleft lip. There were substantial deficiencies in equipment and supplies encountered, and significant opportunities identified for education of young surgeons, anesthesiologists and nurses. An AO soft tissue trauma course was completed through partnership with colleagues from Harvard University and University of California Davis.

The mission was embraced by the host surgeons and was deemed very successful. Moving forward, specific plans are being drawn up to obtain and provide necessary equipment and supplies to perform more advanced cases, and for a detailed PGME program for their nine residents. Webinars are being planned to provide continuing education until missions can resume as the COVID-19 pandemic allows.

# KATHMANDU, NEPAL

From January 19-24, 2020 Face The Future carried out its first major mission to the Kirtipur Cleft and

Burn Centre in Kathmandu. The team of eight was led by Dr. Jeremy Warner, one of Dr. Adamson's previous fellows, while Dr. Adamson acted as Chef de Mission. The team from the University of Chicago and University of Wisconsin included facial plastic surgeons, a hand surgeon, anesthesiologist specializing in ICU care, registered nurse and occupational hand therapist. During the one week mission, 35 patients were consulted for head and neck surgery and 27 for hand and upper extremity surgery. 18 patients had 25 facial plastic and reconstructive procedures and seven patients had 19 complex hand reconstructive procedures. These procedures included microtia and nasal reconstruction, cleft lip and palate repairs tumour resections, and nerve and tendon hand repairs. 27 patients received consultations and hand rehabilitation therapeutic programs. Our team also consulted daily on the 60 burn patients in the ward and six in the ICU. Due to the advanced nature of these burns, the mortality rate approached 90% overall. Surgical, medical and public health initiatives were discussed to begin to mitigate these tragic outcomes.

The academic program was extremely strong on all fronts, with active engagement of all of the senior staff and residents daily. This included hands-on teaching in the operating room and ICU, and ward rounds daily. In addition, 17 topical presentations were given and dozens of case presentations were discussed.

Strong relationships were formed with the host surgical teams and plans were drawn up for the needs of future missions and a continuing education program. The upcoming 2021 mission will need to be deferred due to the pandemic, but a webinar series for education is being planned.

# KIGALI, RWANDA

Face The Future Foundation's largest mission of 21 members completed its 8th annual mission to the Rwanda Military Hospital (a public hospital, notwithstanding its name) and the Rwanda Cancer Centre February 9–15, 2020. Dr. Adamson acted as Chef de Mission and Dr. Ife Sofola from Houston as

Mission Director. The remaining team of head and neck surgeons, facial plastic surgeons, anesthesiologists, radiation oncologist, nurses and videographer came from Harvard University, Johns Hopkins University and University of Regensburg, Germany. Our host team included plastic, OHNS and OMFS surgeons, anesthesiologists, radiation oncologists and their support teams.

During this mission, 68 patients were seen in consultation for surgical diseases of the head and neck, primarily advanced tumours, and 21 others for oncologic radiation treatments. Most of the conditions seen are very complex and/or advanced. 32 additional patients were seen for follow up or were not considered surgical candidates. 36 patients had a total of 137 procedures, including treatment of ameloblastomas, neurofibromas, osteosarcomas, squamous cell carcinoma, adenocarcinomas, thyroid carcinomas, facial burns with keloid scarring, boney and soft tissue facial trauma, congenital facial deformities, and ocular tumours and trauma. Major reconstructions included 12 free tissue transfers.

Six surgical and three anesthesiology residents were constantly present for hands-on teaching. Teaching was also carried out in the ICU and on the wards by our nurse educators. It was impressive, reflecting over the past years, on the remarkable progress that is being seen in the development of staff attitudes, engagement and skills. In addition, certain equipment had been improved and a biomedical engineer had been hired to keep equipment functioning. Reliable power is now present. Many advances were seen at the radiation oncology facility, the only such centre in Rwanda, where we are aiding treatment planning. Further plans are being carried out to develop formal PGME programs for the residents. The value of all services provided, along with equipment and supplies donated for the mission, was calculated to be \$1.2 million.

Both Face The Future and our host team expressed a firm desire to recommit to the signing of a new Memorandum of Understanding with the Rwanda Ministry of Health.

Unfortunately, due to the COVID-19 pandemic, our annual mission to Ulyanovsk, Russia in April 2020 had to be canceled. This was also true of our Chrysalis fundraising event of May 28, 2020. It is hopeful that some of the missions may be able to be completed in 2021, recognizing this may prove challenging in the first half of the year. In the meantime, communications are being maintained, and clinical support for complex cases and teaching continues virtually. Our Face The Future and host teams continue to express their deep desire and firm commitment to continue their missions following this unfortunate hiatus. There are many still to treat, and much left to learn.

On May 27, 2020, Face the Future will hold its first-ever Chrysalis fundraising event virtually. In the meantime, it has been the most fortuitous recipient of proceeds from the popular children's book, Patty and the Pandemic. "Patty" informs children aged three to eight about the "bad bug" and empowers them to stay safe and well. This was written and illustrated by Nicole Crimi, a McMaster University medical student and mentee of Dr. Adamson. Notwithstanding current challenges, Face the Future will continue to seek ways to fulfill its mandate...

Providing hope-one child at a time.



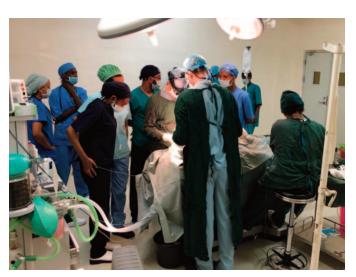
Face the Future team (except Dr. Adamson) in Kirtipur Hospital library. Hospital has no heat except in OR's and ICU, so coats are needed in January. Daily rounds and wifi make this room a meeting place.



Daily morning M&M and teaching rounds in the library of the Kirtipur Cleft and Burn Centre. January 2020.



Dr. Adamson with surgical residents in staff lounge at St. Peter's Special Hospital, Addis Ababa, Ethiopia. November 2019.



Dr. Caminiti operating with surgical residents observing in St. Peter's Special Surgery Hospital, Addis Ababa, Ethiopia. November 2019.

# Sunnybrook and the Canada-Ukraine Foundation Partnership

#### Drs. Danny Enepekides and Kevin Higgins

A newly established partnership between Sunnybrook and the Canada-Ukraine Foundation made it possible for a Canadian medical team of six surgeons, two anesthesiologists, and three nurses to travel to the city of Lviv in late October 2019 to perform live surgery demonstrations, run educational workshops, and hold a nationwide symposium for specialists from all over the Ukraine.

In the past four years, we have led six humanitarian surgical missions to the Ukraine, specifically for the purpose of assisting local health professionals with the reconstruction of post traumatic defects and deformities resulting from casualties of war," says Dr. Oleh Antonyshyn, head of the Adult Craniofacial Program at Sunnybrook. "Building on past experience, we have now initiated an educational partnership between Sunnybrook and teaching hospitals in the Ukraine, specifically microsurgery, craniofacial reconstruction and upper extremity reconstruction. Through advisory missions, live surgery demonstrations, and focused symposia and workshops, we hope to equip local health professionals with the skills to perform complex multidisciplinary procedures using up to date techniques, encourage surgical education and mentorship, and ultimately improve reconstructive capabilities within a country in need."

The Canadian team (comprised mainly of Sunnybrook personnel), together with their Ukraine colleagues, completed an outpatient pre-op clinic on their first day where they assessed 39 patients. Patients of different ages underwent multidisciplinary assessments, imaging, and pre-op anesthesia evaluations. Where required, surgical plans were developed and OR bookings were completed. The nurses and anesthetists also prepped the ORs to organize and catalogue all the equipment needed for the surgeries. The team brought about 450kg of equipment (e.g. tourniquets, head lamps, craniofacial bone fixation devices, surgical instruments) from Canada.

The Sunnybrook team was divided into three groups and surgery was conducted daily in three different ORs simultaneously over three days. Adult surgical procedures were performed at the Military Hospital of Western Operational Command. One OR was dedicated to complex multidisciplinary cases featuring craniofacial reconstructions in conjunction with microvascular free tissue transfers. A video feed was transmitted to the hospital's auditorium so that clinicians and surgeons could observe. The second OR was assigned to facial reconstructive procedures, and the third accommodated hand and upper limb cases. On the fourth day, paediatric surgeries were performed at the Communal Municipal Clinical Hospital 8.

A total of 24 patients between the ages of 9-65 years old were treated, some requiring more than one surgical procedure during their operation.

As part of the educational partnership, a nationwide symposium, covering topics in craniofacial surgery and microsurgery, was held on October 31, 2019 at the Bank Hotel. There were a total of 172 registrants from various disciplines (i.e. ophthalmology, plastic surgery, maxillofacial surgery, trauma surgery, and otolaryngology), and from all corners of the Ukraine. The symposium focused on craniofacial and upper extremity cases and featured lectures, a panel discussion where the audience presented problem cases, and a surgical skills workshop, where participants had an opportunity to learn the manual skills required for facial bone fixation on a 3D facial fracture skull bio-model.



Photography by Anka Wrzesnewskyj



Photography by Anka Wrzesnewskyj



Photography by Anka Wrzesnewskyj



Photography by Anka Wrzesnewskyj



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## The New England Journal of Medicine

Eskander A, de Almeida JR, Irish JC.

Acute Upper Airway Obstruction.

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## **Thyroid**

Sawka AM, Ghai S, Yoannidis T, Rotstein L, Gullane PJ, Gilbert RW, Pasternak JD, Brown DH, Eskander A, de Almeida JR, Irish JC, Higgins KM, Enepekides DJ, Monteiro E, Banerjee A, Shah M, Gooden E, Zahedi A, Korman M, Ezzat S, Jones J, Rac V, Tomlinson G, Stanimirovic A, Gafni A, Baxter N, Goldstein DP.

A Prospective Mixed-Methods Study of Decision-Making on Surgery or Active Surveillance for Low Risk Papillary Thyroid Cancer.

Thyroid. 2020 Jul;30(7):999-1007. Epub 2020 Apr 8. PMID: 32126932.

## **World Neurosurgery**

Kalyvas A, Almeida JP, Mohan N, O'Halloran PJ, Vescan A, Gentili F.

Expanded Endoscopic Endonasal Approach for Removal of a Tuberculum Sella Meningioma.

World Neurosurg. 2020 Oct;142:62. Epub 2020 Jun 17. PMID: 32561487.

Taslimi S, Zuccato J, Mansouri A, Chen J, Pirouzmand F.

Novel Statistical Analyses to Assess Hearing Outcomes Following ABI Surgery in NF2 patients: Systematic Review and Individualized Patient Data Analyses.

World Neurosurg. 2019(4), 128. (PMID not available).

## **Non-Peer Reviewed Publications**

#### Campisi P, Vong L, Sgro JM, Wolter N, Ngan B, Friedberg J.

Transcervical Thymic Biopsy in the Immunodeficient Child. LymphoSign Journal. 6(4):141-147, December 2019.

#### Gantous, A.

Incisionless Otoplasty.

Advances in Cosmetic Surgery 3 (2020) 69-76.

#### Gantous, A.

Surgical Management of the Severe Nasal Saddle Deformity. Rhinoplasty Archive 01-30-2020.



# Visiting Professorships and Invited Lectures

## **INTERNATIONAL MEETINGS**

## **ARGENTINA**

#### ANDERSON, J

2019 Sept

Invited Faculty – Moderator and Speaker. In office procedures round table Irritable Larynx Panel. International Association of Phonosurgery World Phonosurgery Congress. Buenos Aires, Argentina.

#### **CUSHING, S**

2019 Nov

Keynote Speaker. 1) Optimizing Outcomes by Minimizing Duration of Deafness, 2) Point of Contact, 3) Surgical Management of Permanent Conductive Hearing Loss in Children: Benefit vs. Burden. Semana Cochlear 2019. San Carlos de Bariloche, Argentina.

#### **GANTOUS, A**

2020 Apr

Invited Speaker. Management of the Nasal Tip, Webinar. Rhino Cordoba, Cordoba, Argentina.

#### **AUSTRALIA**

#### CHAN, Y

2019 Sep

Panellist. Management of Minimal Sinus Disease. 2019 Australia and New Zealand Rhinologic Society Conference. Melbourne, Australia.

## **BELGIUM**

#### ANDERSON, J

2019 Jul

Invited International Faculty. 1) 3D Printing-Are we Ready for the Revolution? 2) Isshiki and Wendler Procedures Pros and Cons: Transgendered Surgery for Voice, 3) Paralyzed Vocal Fold —What are my Options? Confederation of European Otorhinolaryngology-Head and Neck Surgery. Brussels, Belgium.

## **BRAZIL**

#### CUSHING, S

2019 Nov

Invited Panellist. Discussion of Clinical Cases. 1) Severe to Profound SNHL in Children, 2) Mild Hearing Loss, Frequency Specific and Unilateral, 3) Hearing Habilitation/Rehabilitation in Difficult Cases. EARS Symposia: Multi-disciplinarity in Child Hearing Health. Porte Alegre, Brazil.

2019 Nov

Invited Speaker. 1) Assessment and Treatment of Child Deafness in a Center of Excellence, 2) Cytomegalovirus, 3) Is there an Ideal Age for Cochlear Implantation in Children, 4) Is Bilateral Always Better than Unilateral, 5) Treatment for Child Deafness: A Recipe for Success. EARS Symposia: Multi-disciplinarity in child hearing health. Porte Alegre, Brazil.

GANTOUS, A
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2020 Jun Invited Speaker. Upper and Lower Blepharoplasty. Fundacao Otorrinolaringologia Webinar. Rio de Janeiro,

Brazil.

2020 Jun Invited Speaker. Management of the Severe Saddle Deformity. Fundacao Otorrinolaringologia Webinar. Rio de

Janeiro, Brazil.

Co-moderator, Deep Plane Brazil Webinar, Fundação Otorrinolaringologia Webinar, Rio de Janeiro, Brazil. 2020 May

2019 Aug International Faculty. 1) Tips in Revision Rhinoplasty, 2) Rhinoplasty Live Surgery Demonstration, 3) Correction

> of the Severe Saddle Deformity, 4) Rhinoplasty Live Surgery Demonstration, 5) The Alar-Columellar Deformity, 6) Management of the Nasal Valve, 7) Ethnic Rhinoplasty: The Challenge of Living in a Multicultural Society.

Rhinoplasty 2019: Advances in Rhinoplasty. Uberlandia, Brazil.

JAMES, A

2019 Nov Keynote Speaker, Surgical Treatment of Chronic Otitis Media in Children, Multidisciplinarity in child hearing

health. Porto Alegre, Brazil.

2019 Nov Invited Speaker. Endoscopic Ear Surgery: Indications, Technique and Limitations in Children.

Multidisciplinarity in Child Hearing Health. Porto Alegre, Brazil.

2019 Nov Panellist. Treatment of Chronic Otitis Media. Multidisciplinarity in Child hearing Health. Porto Alegre, Brazil.

James AL, Vassoler T, Valente JP, Felix F. Porto Alegre, Brazil.

2019 Nov Panellist. External Ear Malformations and Conductive Hearing Loss: Options of Treatment. Multidisciplinarity

in Child Hearing Health. James AL, Cushing S, Torres T, Soares M, Luce Braga ME. Moderation: Barauna.

Porto Alegre, Brazil.

2019 Nov Panellist. Roundtable Complications of Otitis Media. Multidisciplinarity in Child Hearing Health. James AL,

Rias C, Vicente A. Porto Alegre, Brazil.

2019 Nov Invited Speaker. Managing Uncertainty in Auditory Neuropathy Spectrum Disorder. Multidisciplinarity in Child

Hearing Health. Porto Alegre, Brazil.

PAPSIN, B

2020 Feb Invited Faculty. 1) Keynote Lecture: Cochlear Implants in Single-Sided Deafness in the Context of Vestibular

and Auditory Development, 2) Structural Preservation of the Cochlea: Where it Goes and How it Gets There, 3) Surgical Management of Permanent Conductive Hearing Loss in 2020: Osia, 4) Panellist: Round Table: New Indications And Difficult Cases, 5) Early Implantation (Cochlear Corporation Symposium, 6) Round Table: Intraoperative Electrocochleography, Different Electrodes Shapes and Electrode Insertion Angle Hearing

Influence. Hearing and Balance 2020. Sao Paulo, Brazil.

## **CAYMAN ISLANDS**

#### GANTOUS, A

2020 Jan Invited Faculty. 1) The Social Concept of Beauty, 2) Management of the Long Nose, 3) Revision Rhinoplasty

Panel Moderator. 6th Biennial Caribbean Facial Plastic Surgery Update. Grand Cayman, Cl.

## **CANADA (International Meetings in Canada)**

**GULLANE, P** 

2019 Oct Invited Keynote Speaker. Cricotracheal Resection. 6th Toronto International Airway Workshop. Hospital for

Sick Children. Toronto, ON.

MONTEIRO, E

2019 Sept Invited Workshop, Advancing Patient Safety in Residency Education (ASPIRE), Monteiro E, Wong B, Hillis C.

International Conference on Residency Education. Ottawa, ON.

WOLTER, N

2020 Mar Invited Speaker. Techniques to Reduce Aerosolization During Otolaryngological Surgery. The Canadian

Pediatric Anesthesia Society presents a webinar on 'COVID-19 and the Pediatric Anesthesiologist Part 2 –

Focusing on Airway and Pain'. Toronto, ON.

2019 Oct Invited Speaker. Anterior Laryngotracheal Reconstruction with Thyroid Ala Graft in Humans. Toronto

International Open Airway Surgery Course. Toronto, ON.

2019 Oct Invited Speaker. Anterior Laryngotracheal Reconstruction with Costochondral Graft in the Porcine Model.

Toronto International Open Airway Surgery Course. Toronto, ON.

2019 Oct Invited Speaker. Endoscopic Management of Tracheoesophageal Fistula. Toronto International Open Airway

Surgery Course. Toronto, ON.

#### **CHINA**

CHEPEHA, D

2019 Sept Invited Speaker. Reconstruction and the Prevention of Complications After Salvage Laryngectomy.

International and 15th National Head and Neck Tumour Conference. Chengdu, China.

2019 Sept Invited Speaker. Reconstructive Applications of the Thoracodorsal Scapular Tip Flap. International and 15th

National Head and Neck Tumour Conference. Chengdu, China.

PROPST, E

2020 Jun Invited Speaker. Tongue Surgery in Children. Ningde Society of Otolaryngology Head and Neck Surgery.

Fujian, China.

## **COLOMBIA**

GANTOUS, A

2020 May Invited Faculty. Multi-Ethnic Rhinoplasty: How is it Different? Bogota Hands-on Rhinoplasty Course Webinar.

Bogota, Colombia.

## **COSTA RICA**

GULLANE, P

2019 Nov Panellist, Cancer of Oral Cavity, International Federation of Head & Neck Oncologic Societies Meeting, Costa

Rica.

2019 Nov Panellist. Salivary Gland Tumours. International Federation of Head & Neck Oncologic Societies Meeting.

Costa Rica.

2019 Nov Invited Keynote Speaker. Treatment Options in Mandibular Osteoradionecrosis. VII Congress of the Latin

American Societies of Head & Neck Surgery and Congress of the Costa Rican Association of Head & Neck

Oncology. Costa Rica.

Invited Keynote Speaker. Management of Nasopharyngeal Carcinoma. VII Congress of the Latin American 2019 Nov

Societies of Head & Neck Surgery and Congress of the Costa Rican Association of Head & Neck Oncology.

Costa Rica.

## **EGYPT**

#### PAPSIN, B

2020 Feb Invited Faculty. 1) Asymmetric Deafness in the Context of Vestibular and Auditory Development, 2) Keynote

Lecture: Cochlear Implantation in Infants: Overcoming Barriers to Obtain Benefits, 3) Panellist: Cochlear

Implant Decisions: Cases and Controversy. Egypt Cochlea 2020, Cairo, Egypt.

## **FRANCE**

#### HARRISON, RV

2019 Nov

Invited Speaker. 1) How to Better Define the Origin of Hearing Loss? 2) How to Guide the Management of

Children with AN. Action Connaisance Formation pour la Surdite. Paris, France.

#### **INDIA**

#### ADAMSON, P

Invited Guest Speaker. Refinement of the Alar Base. Facial Reconstructive and Cosmetic Surgery India 2020 June

Webinar, India.

2020 May Invited Guest Speaker. Becoming an International Facial Plastic Surgeon, Marketing and Reputation

Management Facial Reconstructive and Cosmetic Surgery India Webinar. India.

#### **ISRAEL**

#### RUTKA, J

2019 Nov

Invited Speaker. 1) Pathological Eye Movements in the Context of the Dizzy Patient, 2) Differential Diagnoses of Vestibular Disorders (main etiologies and how to differentiate between them), 3) Surgery for Dizziness, 4) The Debbie Hertz Multidisciplinary Neurotology Clinic: Three decades of experience at the University Health

Network. Management of Dizziness and Vertigo For Otolaryngology Residents and Physiotherapists, Soroka Medical School, Ben Gurion University of the Negev. Beer Sheva, Israel.

2019 Nov Invited Speaker, 1) Conservative Management of Vestibular Schwannomas; Or Why I Will Never be a Member

of the Millennial Club, 2) New Insights into Gentamicin Toxicity from a Large Clinical Series (or what gentamicin has specifically taught us about the vestibular system, 3) Utility of Vestibular Testing in Head Injury. Israeli National Otology/Neurotology Meeting. Yitzhak Shamir Medical Centre, Tel Aviv, Israel.

2019 Nov Invited Speaker. Otologic/Neurotologic Curiosities Arts and Entertainment Lecture in honour of Dr. Moti Kraus.

Soroka University Medical School, Department of Otolaryngology Beer Sheva, Israel.

## **ITALY**

#### CAMPISI, P

2020 May Invited Speaker. Pediatric OSA Surgery. Universita' Campus Bio-Medico – Tarabichi-Stammberger Ear and

Sinus Institute of Dubai International Live Sleep Surgery & Hands-On Course on Sleep Surgery. Rome, Italy.

#### CHEPEHA, D

2019 Sept Invited Speaker. Sentinel Node Mapping and Biopsy: Problems and Pitfalls. 7th International Academy of Oral

Oncology World Congress. Rome, Italy.

2019 Sept Invited Speaker. Reconstruction of Soft Tissue Defects for Oral Cancer. Prediction and Management of Wound

Infections and Complications. 7th International Academy of Oral Oncology World Congress. Rome, Italy.

2019 Aug Invited Speaker. Prediction and Management of Wound Infections and Complications. 7th International

Academy of Oral Oncology World Congress. Rome, Italy.

#### DE ALMEIDA, J

2019 Sep Invited Speaker. Base of Tongue Resection for Unknown Primary. 7th International Academy of Oral Oncology

World Congress. Rome, Italy.

2019 Aug Invited Speaker. TORS and Unknown Primary. 7th International Academy of Oral Oncology World Congress.

Rome, Italy.

#### GILBERT, R

2019 Sept Invited Speaker. Maxillofacial Reconstruction: Minimalizing Failure Rates. 7th International Academy of Oral

Oncology World Congress. Rome, Italy.

#### GOLDSTEIN, D

2019 Sept Invited Speaker. Frailty in Head and Neck Surgery. Panel on Comorbidity and Frailty in Decision Making.

Moderator: William M. Lydiatt, Panellists: Robert J. Baatenburg de Jong, Remco de Bree, David Goldstein. 7th

World Congress of the International Academy of Oral Oncology. Rome, Italy.

#### **GULLANE. P**

2019 Sept Panellist. Palliative Treatment Options in Oral Cavity Cancers. 7th World Congress of the International

Academy of Oral Oncology. Rome, Italy.

2019 Sept Panellist. HPV and De-Intensification Oropharynx Cancer. 7th World Congress of the International Academy of

Oral Oncology. Rome, Italy.

HARRISON, RV

2019 Sept Chair, Round Table Discussion. Cochlear Implantation. 56th Inner Ear Biology Workshop. Padua, Italy.

IRISH, J

2019 Sept Invited Faculty/Speaker. The Era of Nanotechnology: How will Head and Neck Surgery Change? 7th World

Congress of the International Academy of Oral Oncology. Rome, Italy.

#### **JAPAN**

JAMES, A

2019 Oct Invited Speaker. Classification of Paediatric Middle Ear Disease. International Workshop on Terminology for

Chronic Ear and Nose Diseases. Miyazaki, Japan.

2019 Oct Invited Speaker. International Collaboration Validates EAONO/JOS Cholesteatoma Classification. 29th Annual

Meeting Japan Otological Society. Yamagata, Japan.

2019 Oct Invited Speaker. TEES in Children: Is it Really a Paradigm Shift? 29th Annual Meeting Japan Otological

Society. Yamagata, Japan.

LIN, V

2019 Nov Invited Speaker. Pre-Operative Cognitive Assessment is Predictive of Cochlear Implant Performance. Asia

Pacific Symposium on Cochlear Implants and Related Sciences. Tokyo, Japan.

2019 Nov Invited Speaker. Validation of a Hearing Impaired Cognitive Assessment in a Population of Patients with Mild

Cognitive Impairment. Asia Pacific Symposium on Cochlear Implants and Related Sciences. Tokyo, Japan.

Presenter(s): Matt Crowson, Vincent Lin.

2019 Nov Invited Speaker. Long-Term Outcomes in Cochlear Implant Patients with Pre-Operative Criteria Exceeding

Traditional Implantation Criteria. Asia Pacific Symposium on Cochlear Implants and Related Sciences. Tokyo,

Japan. Presenter(s): Justin Lui, Vincent Lin.

PAPSIN, B

2019 Oct Invited Faculty. 1) Keynote Lecture: Neuroplasticity and Bilateral Cochlear Implantation in Children, 2) Where

it Goes and How it Gets There: The Electrode – Neural Interface, 3) Indications for Cochlear Implantation in

Children with Single-Sided Deafness. Japanese Otology Society. Yamagata, Japan.

2019 Nov Invited Faculty. 1) A New Innovation for Improving Hearing Performance for Single-Sided Deafness & Mixed or

Conductive Hearing Loss (Cochlear Corporation Sponsored Workshop), 2) Keynote Lecture: Central

Processing: Putting it All Together, 3) Keynote Lecture: Bilateral Cochlear Implants: 3-Dimensional Perception in the Absence of Fusion, 4) Electrode Position and Outcome, 5) Surgical Considerations for Implantation of a

New Active Bone Conduction Aid in Children, 6) Management of Difficult Cases: Explant/Replant, 7)

Perimodiolar Electrode and Outcomes (Cochlear Corporation Symposium).

Asia Pacific Society of Cochlear Implantation. Tokyo, Japan.

## **KOREA**

#### IRISH, J

2019 Oct Keynote Speaker/Moderator. The Era of Nanotechnology: How the Nanotechnology Revolution Will Augment

Robotic Surgery. Intraoperative Real-Time Imaging of Parathyroid. 9th International Robotic Surgery

Symposium. Seoul, South Korea.

## **KUWAIT**

#### IRISH, J

2019 Nov Invited Speaker. Melanoma of the Head and Neck: Surgical Issues. Kuwait Head and Neck Cancer Workshop.

Kuwait City, Kuwait.

## **MEXICO**

#### ADAMSON, P

2020 Jun Invited Speaker. The M-Arch Model of Nasal Tip Dynamics: Mastering the Nasal Tip. Department of Rhinology

and Facial Plastic Surgery, Faculty of Medicine, Autonomous University of Queretaro, Mexico. Webinar.

Queretaro, Mexico.

#### ANDERSON, J

2019 Sept Invited International Faculty. 1) Irritable Larynx Syndrome, 2) Transgendered Voice, 3) Intralesional Steroid

Injection to Avoid Surgery in Singers. Seminario Internacional y Laboratorio Quirurgico de Laringologia, Centro

Medico Nacional ISSSTE. Mexico City, Mexico.

#### GANTOUS, A

2020 Jul Invited Professor. Surgical Neck Lift. First International Gea González Congress of Otolaryngology: The Basics

of Facial Plastic Surgery. Mexico City, Mexico.

2020 May Invited Speaker. Deep Plane Facelift, Sociedad Mexicana de Rinologia y Cirugia Plastica Facial Webinar,

Mexico.

2019 Aug Invited Professor. 1) Evolution of Cosmetic Surgery in my Practice, Round Table, 2) Incisionless Otoplasty, 3)

Upper and Lower Blepharoplasty, 4) Management of the Severe Saddle Nose Deformity, 5) Implants, Fillers or Fat for Facial Voluminization, Round Table, 6) Neuromodulators in Facial Plastic Surgery, 7) Facial Implants: When Do I Use Them? 8) The Successful Management of a Medical Practice, Round Table, 9) Personal Techniques of Rejuvenation, Round Table, 10) The Social Concept of Beauty. XV Curso Internacional de la

Sociedad Mexicana de Rinologia y Cirugia Plastica Facial, Queretaro, Mexico.

#### **NEPAL**

#### ADAMSON, P

2020 Jan Invited Guest Speaker. 1) The M-Arch Model of Nasal Tip Dynamics; Management of Nasal, 2) Pyramid and

Crooked Nose, 3) Surgical Management of the Aging Forehead, 4) The Graduated Face & Neck Lift, 5)

Management of the Dissatisfied Patient. CME Course, National Academy of Medical Sciences, Standard Plastic Surgical Organization, Association of Plastic Surgeons of Nepal. Facial Plastic Surgery Today Update. Nepal.

#### **NETHERLANDS**

#### GANTOUS, A

2019 Sept

Invited Faculty. 1) Scar Revision Session Moderator, 2) Principles of Scar Revision, 3) The Importance of Alar-Columellar Relationship, 4) Incisionless Otoplasty: Video Presentation, 5) The Challenge of Practicing in a Multicultural Society, 6) Incisionless Otoplasty. European Academy of Facial Plastic Surgery Annual Meeting 2019. Amsterdam, Netherlands.

#### GILBERT, R

2019 Oct

Invited Speaker. Current Concepts in the Management of Oropharyngeal Cancer. European Head & Neck

Course. Amsterdam, Netherlands.

2019 Oct

Keynote Speaker. Reconstructive Surgery. European Head & Neck Course. Amsterdam, Netherlands.

2019 Oct

Keynote Speaker. General Concepts of Multidisciplinary Treatment. European Head & Neck Course.

Amsterdam, Netherlands.

## **ROMANIA**

#### **CUSHING. S**

2019 Oct

Invited Speaker. 1) Middle Ear/Bone Conduction Implants, 2) Vestibular Assessment 1, 3) Vestibulogy Instructional Course. 14th European Symposium on Pediatric Cochlear Implantation. Bucharest, Romania.

#### GORDON, K

2019 Oct

Invited Speaker and Moderator. Neuroplasticity: Cortical Effects of Asymmetric Hearing in Childhood. 14th European Symposium on Pediatric Cochlear Implantation. Bucharest, Romania.

2019 Oct

Invited Speaker. Cochlear Implantation in Children With Single-Sided Deafness. 14th European Symposium on Pediatric Cochlear Implantation. Bucharest, Romania.

#### PAPSIN, B

2019 Oct

Invited Faculty. 1) Keynote Lecture: Early Bilateral Cochlear Implantation in Infants, 2) Early Cochlear Implantation in Infants: Can You Do It? (Sponsored Workshop), 3) Measuring the Unmeasurable: Electrophysiologic Outcomes, 4) Critical Period for Implanting Deaf Children and Impact on Cost Effectiveness (Cochlear Corporation. Symposium), 5) A New Innovation for Improving Hearing Performance for Single-Sided Deafness & Mixed or Conductive Hearing Loss.

European Symposium of Pediatric Cochlear Implantation. Bucharest, Romania

## **SOUTH AFRICA**

#### ADAMSON, P

2020 May

Invited Speaker. 1) Becoming Certified by the IBCFPRS, 2) Alar Base Reduction, 3) Adolescent Rhinoplasty, 4) Current Paradoxes of Rhinoplasty Philosophy and Practice. Society of Rhinoplasty Surgeons of South Africa (SORSSA) Webinar. South Africa.

## **SPAIN**

#### CAMPISI, P

2020 Mar Invited Speaker. RRP in Children and Adults, Implications of HPV Vaccination. 33rd International

Papillomavirus Conference. Barcelona, Spain.

GORDON, K

2019 Oct Invited Keynote Speaker. Importance of Bilateral Hearing in Development. 70th National Congress Spanish

Otolaryngology and Head and Neck Surgery Society. Santiago de Compostela, Spain.

2019 Oct Invited Speaker, Cochlear Implantation in Children with Single-Sided Deafness, 70th National Congress

Spanish Otolaryngology and Head and Neck Surgery Society. Santiago de Compostela, Spain.

2019 Oct Invited Speaker. Treatment of Severe to Profound Mixed Hearing Loss in Children. 70th National Congress

Spanish Otolaryngology and Head and Neck Surgery Society. Santiago de Compostela, Spain.

## **SWITZERLAND**

#### ANDERSON, J

2020 Jan Invited Speaker. The Toronto Experience. In Office Procedures: Quality and

Safety. 10th Winter Days of Laryngology. Crans Montana, Switzerland.

JAMES. A

2019 Aug Panellist. The Benefits of Totally Endoscopic Surgery for Pediatric Cholesteatoma. Collegium Oto-Rhino-

Laryngologium Amicitiae Sacrum Annual Meeting, Bern, Switzerland.

2019 Aug Invited Speaker. Endoscopic Surgery Ear Surgery in Children. Swiss Endoscopic Ear Surgery Course. Bern,

Switzerland.

GANTOUS, A

2020 Mar Invited Faculty. 1) The Social Concept of Beauty, 2) Upper and Lower Blepharoplasty, 3) Multi-Ethnic

Rhinoplasty: How is it Different? 4) Revision Rhinoplasty Panel. The European Ski Meeting. Davos,

Switzerland.

## **TAIWAN**

#### GANTOUS, A

2020 Feb

Invited Faculty. 1) Incisionless Otoplasty (video presentation), 2) Management of the Severe Saddle Deformity, 3) Tips for Revision Rhinoplasty, 4) Session Moderator: Advanced Rhinoplasty I. 9th World Congress of Facial Plastic Surgery. Taipei, Taiwan.

#### **UKRAINE**

#### **ENEPEKIDES, D**

2019 Oct

Invited Faculty. Microvascular Reconstruction of the Scalp. Sunnybrook/Ukraine Symposium on Cranio-Maxillofacial Trauma and Reconstruction. Bank Hotel, Lviv, Ukraine.

#### HIGGINS, K

2019

Invited Faculty. Plenary Session Speaker. Microsurgical Head and Neck Reconstruction. Ukrainian Craniofacial Surgery Symposium. Lviv, Ukraine.

## **UNITED KINGDOM**

#### CHEPEHA, D

2019 Sept Invited Speaker. Subscapular System Demo (Scap/Parascap and Tip of Scap/Lat Dorsi/TDAP). Liverpool

Advanced Head & Neck Reconstruction Course. Liverpool, United Kingdom.

2019 Sept Invited Speaker. The Sub-Scapula System: Variation & Application. Liverpool Advanced Head & Neck

Reconstruction Course. Liverpool, United Kingdom.

2019 Sept Invited Speaker. DCIA & Scapula Planning Session. Liverpool Advanced Head & Neck Reconstruction Course.

Liverpool, United Kingdom.

2019 Sept Invited Speaker. Fibula Custom Free Flap. Liverpool Advanced Head & Neck Reconstruction Course. Liverpool,

United Kingdom.

#### CUSHING, S

2019 Sep 23 Invited Speaker. History and Clinical Examination of the Vestibular System in Children. The 3rd Alder Hey

Paediatric Vestibular Course. Liverpool, United Kingdom.

#### DE ALMEIDA, J

2019 Nov Invited Lecturer. Tongue Base Hemiglossectomy. European Head and Neck Society Robotic Surgery

Workshop. London, England.

2019 Nov Invited Lecturer. Achieving Negative Margins in TORS is Impossible, Hence

Radiotherapy is the Default: Debate. European Head and Neck Society Robotic Surgery Workshop, London, England.

#### GORDON, K

2020 Mar Invited Keynote Speaker. Changing Clinical Perspectives: Why Spatial Hearing Should be a Prime Objective of

Cochlear Implantation in Children. British Cochlear Implant Group. Nottingham, UK.

# **UNITED STATES**

<b>ADAMSON, P</b> 2019 Jul	Visiting Professor. The Graduated Face and Neck Lift, Strategies for Professional Success. University of Southwestern, Dallas, TX.
<b>CHAN, Y</b> 2020 May	Panellist. Rebooting Your Rhinology Practice in the COVID-19 Era: Back to the OR! American Rhinologic Society Rhinocast. New Jersey.
2019 Sep	Moderator. Practice Makes Perfect: Managing Devastating Complications in Sinus Surgery. American Academy of Otolaryngology-Head Neck Surgery Annual Meeting, New Orleans, LA.
2019 Sep	Invited Speaker. 3D Anatomical Sinus and Skull Base Surgery: Tips and Pearls Part 1. American Academy of Otolaryngology-Head Neck Surgery Annual Meeting, New Orleans, LA.
2019 Sep	Invited Speaker. 3D Anatomical Sinus and Skull Base Surgery: Tips and Pearls Part 2. American Academy of Otolaryngology-Head Neck Surgery Annual Meeting, New Orleans, LA.
CHEPEHA, D 2020 Feb	Invited Speaker. Ultimate Colorado Midwinter Meeting. Optimal Management of Early Laryngeal Cancer. Vail, CO.
2019 Sept	Invited Speaker. Introduction and Review of Soft Tissue Flap Uses-TDAP. Head & Neck Microvascular Fellow Boot Camp. Dayton, OH.
<b>CUSHING, S</b> 2019 Dec	Invited Panel Chair. New Technology in Hearing. Society for Ear Nose and Throat Advances in Children. La Jolla, CA. Presenter(s): Yoon P, Inverso Y, Liberman G, Cushing SL.
2019 Dec	Invited Panellist. Case Studies in Pediatric Balance Disorders: Pearls and Pitfalls. Society for Ear, Nose, and Throat Advancement in Children. La Jolla, CA. Presenter(s): O'Reilly R, Traboulsi H, Brodsky J, Liberman G, Cushing SL.
2019 Sept	Invited Panellist. Advanced Pediatric Otolaryngology Review Panel 1: Otology. American Academy of Pediatric Otolaryngology Pre-meeting Pediatric Otolaryngology Seminar Series. New Orleans, LA, Presenter(s): Cushing SL, Neff L, Cheng A.
2019 Sept	Invited Speaker. What Cochlear Implants Have Taught Us About the Developing Vestibular System. 9th Annual Training Course on Vestibular and Balance Disorders in the Pediatric and Adult Population. Children's Hospital of Philadelphia. Philadelphia, PA.
2019 Jul	Invited Speaker. Balance and Hearing: What Cochlear Implants Have Taught Us About Development of The Vestibular System. Conference on Implantable Auditory Prostheses. Lake Tahoe, NV.
2019 Jul	Invited Speaker. Surgical Considerations for Implantation of a New Active Bone Conduction Aid in Children. Industry Symposia. Cl2019. Hollywood, FL.

<b>DE ALMEIDA, J</b> 2019 Nov	Invited Speaker. Molecular Testing for Thyroid Nodules. Current Concepts of Head and Neck Surgery, MD Anderson Cancer Center. Houston, TX.
2019 Nov	Panellist. Thyroid Cases. Current Concepts of Head and Neck Surgery, MD Anderson Cancer Center, Houston, TX.
2019 Nov	Panellist. Stump the Faculty. Current Concepts of Head and Neck Surgery, MD Anderson Cancer Center. Houston, TX.
2019 Oct	Invited Speaker. SPECT-CT Guided Elective Contralateral Neck Treatment in Lateralized Oropharyngeal Cancer (SELECT Trial): A Phase 2/3 Randomized Controlled Trial. Eastern Cooperative Oncology Group ACRIN. Fort Lauderdale, FL.
2019 Sept	Panellist and Speaker. HPV Mediated Cancer Outside of the Oropharynx. American Academy of Otolaryngology-Head and Neck Surgery. New Orleans, LA.
2019 Jul	Invited Speaker. A SPECT Guided Approach to Management of the Contralateral Neck in Lateralized HPV Positive Oropharyngeal Cancer. NRG Semiannual Meeting. Philadelphia, PA.
ENEPEKIDES, D	
2020 Feb	Invited Speaker. Head and Neck Cancer is a Sexually Transmitted Disease. Advanced Practices in Voice and Dysphagia. Las Vegas, NV.
2020 Feb	Invited Speaker. Flap My Ride: The Ideal Flap for Reconstruction of the Larynx. Advanced Practices in Voice and Dysphagia. Las Vegas, NV.
2019 Nov 2	Invited Panellist. Management of Oral Cancer. 5th Annual Partners in Practice Symposium Series. Roswell Park Cancer Center, Buffalo, NY.
2019 Nov 2	Panel Moderator. Oral Cavity Reconstruction. 5th Annual Partners in Practice Symposium Series. Roswell Park Cancer Center, Buffalo, NY.
<b>ESKANDER, A</b> 2019 Sept	HPV Status Updates in Head and Neck Cancer. American Academy of Otolaryngology-Head and Neck Surgery Annual Meeting. New Orleans, LA. Co-speakers: Eskander A, Monteiro E, de Almeida J, Nichols A.
GANTOUS, A 2020 Feb	Invited Faculty. 1) Management of the Long Nose, 2) Multi-Ethnic Rhinoplasty: How is it Different? 3) The Social Concept of Beauty. Miami Cosmetic Surgery. Miami, FL.
2019 Oct	Invited Faculty. 1) Panellist: Updates and the Future of Injectables, 2) Ethnic Rhinoplasty: The Challenges of Practicing in a Multicultural Society, 3) Pearls in Revision Rhinoplasty, 4) The Social Concept of Beauty. American Academy of Facial Plastic and Reconstructive Surgery Annual Meeting. San Diego, CA.

#### **GOLDSTEIN, D**

2020 Jan Moderator, Proffered Papers. Facial Plastic/Reconstructive Surgery. Triological Society Combined Sections

Meeting. Coronado, CA.

GORDON, K

2020 Jan Invited Mentor/Moderator. Women in Science Roundtable, Conference for the Association for Research in

Otolaryngology. San Jose, CA.

2019 Dec Invited Speaker. Matching Device Parameters in Children with Bilateral Cls: Why and How? Maximizing

Performance in Cochlear Implant Recipients-Programming Concepts Conference, NYU Langone Medical

Center. New York City, NY.

IRISH, J

2019 Nov Invited Speaker. 1) Melanoma of the Head and Neck: Surgical Issues, 2) Moderator: Video Demonstration of

Surgical Techniques: How I Do It? 3) Panellist: Stump the Faculty. Current Concepts in Head and Neck

Surgery, MD Anderson Cancer Center. Houston, TX.

2019 Sept Invited Speaker. AHNS Endocrine Section Clinical Consensus Statement: North American Statements and

Evidence-Based Multidisciplinary Workflow Algorithms for the Evaluation and Management of Thyroid Nodules. The Canadian Experience. American Academy of Otolaryngology-Head and Neck Surgery. New

Orleans, LA.

LIN, V

2020 May Quality Indicators for the Diagnosis and Management of Sudden Sensorineural Hearing Loss. American

Otological Society (done virtually due to COVID-19). Presenters(s): Justin Cottrell. Vincent Lin. Atlanta, GA.

LIN, RJ

2020 Jun Invited Speaker. Blue Light Laser Results in Less Vocal Fold Scarring Compared to KTP Laser in Normal Rat

Vocal Folds. Voice and Swallowing Rounds, University of San Francisco Voice and Swallowing Center (Zoom

Webinar). San Francisco, CA.

2020 Jun Panel Member. Finding the Silver Lining During Unprecedented Times. Pan American Vocology Association

(Zoom Webinar).

MONTEIRO, E

2020 Jan Virtual Abstract Presentation. Surgical Tray Optimization: A QI Initiative that Reduces Operating Room Costs.

Fu T, Msallak H, Namavarian A, Pegoraro R, Monteiro E, Eskander A. Triological Society Combined Sections

Meeting. San Diego, CA.

2019 Sept Workshop. HPV Status: Updates in Head and Neck Cancer. Monteiro E, Eskander A, de Almeida J, Nichols A.

American Academy of Otolaryngology-Head and Neck Surgery Annual Meeting. New Orleans, LA.

2019 Sept Poster Presentation. Pre-Treatment Class Attendance and Outcomes in Head & Neck Cancer Patients

Undergoing Radiation. Nauman M. Maganti M, McQuestion M, Tjong M, Keilty D, Monteiro E, Huang SH, Jang

R, Gomes A, Pun J, Ringash J. American Society for Radiation Oncology Annual Meeting. Chicago, IL.

PAPSIN, B

2020 Jan Invited Faculty. Collaborative Panel of ASPO/TRIO – Pediatric Otology: Important Ways that Children are not

Just Small Adults. (Invited Faculty). Triologic Society. Coronado Island, CA.

2019 Dec Invited Speaker. 1) A New Innovation for Improving Hearing Performance for Single-Sided Deafness & Mixed

or Conductive Hearing Loss (Cochlear Latin America Corporation Sponsored Workshop), 2) Paediatric Candidacy for New Osia® System: Part 2 – Expanded Application, 3) A Newer Innovation for Improving Hearing Performance for Single-Sided Deafness & Mixed or Conductive Hearing Loss – OSIA Gen 2 (Cochlear Corporation Sponsored Workshop). OSSEO 2019 (7th International Symposium on Bone

Conduction Hearing and Related Technologies.) Miami, FL.

2019 Jul Invited Faculty. A New Innovation for Improving Hearing Performance for Single-Sided Deafness & Mixed or

Conductive Hearing Loss. Cl 2019, Hollywood, FL.

PROPST, E

2019 Dec Course Coordinator. Society for Ear Nose and Throat Advances in Children (SENTAC) Open Airway Surgery

Workshop. Coordinator(s): Evan Propst, Matthew Brigger, David Zopf. Demonstrators: Michael Rutter, Jeff Symons, David Molter, Maithilee Menezes, Mark Gerber, Doug Sidell, Gresham Richter, Marshal Smith, Elton

Lambert, Javon Nation. University of California, San Diego, San Diego, CA.

2019 Dec Invited Speaker. Endo Days. Pediatric Airway Albatross Cases. University of California. Presenter(s): Evan

Propst, Murali, Umal, Maunsell, Pacheyna, White. San Diego, CA.

WITTERICK, I

2019 Nov Invited Speaker. Faculty Development, Retention and Well-Being. Panel: The Right Person for the Job:

Recruiting, Retaining, Growing, and Balancing your Department and Institution's Workforce in 2019. Society

of University Otolaryngologists Fall Meeting. Chicago, IL.

## **SINGAPORE**

IRISH, J

2019 Aug Keynote Speaker. Innovations in Surgical Oncology, 18th ASEAN Otorhinolaryngology Head and Neck

Federation Congress. Singapore.

## **NATIONAL MEETINGS**

## **ALBERTA**

DE ALMEIDA. J

2019 Sep Invited Lecturer. Functional Outcomes for Transoral Surgery. Transoral Surgery Symposium. Calgary, AB.

GOLDSTEIN, D

2020 Feb Invited Speaker. Head and Neck Melanoma, 14th Canadian Melanoma Conference. Banff AB.

LIN, V

2020 Jan Invited Speaker. The Role of Deafness in the Development of Dementia. University of Calgary Grand Rounds,

Division of Otolaryngology-Head & Neck Surgery, University of Calgary, Calgary, AB.

2020 Jan Invited Speaker. The Causes of Hearing Loss: Research Leading to Future Treatment Options at Sunnybrook

Health Sciences Centre. University of Calgary Research Day, Division of Otolaryngology-Head & Neck Surgery,

University of Calgary. Calgary, AB.

2020 Jan Invited Speaker. Interesting Otologic Teaching Cases. University of Calgary Resident Core Lectures, Division of

Otolaryngology-Head & Neck Surgery, University of Calgary. Calgary, AB.

## **BRITISH COLUMBIA**

#### CUSHING, S

2019 Oct Invited Speaker. 1) Diagnosis of Sensorineural Hearing Loss in Children: Some New Issues to Consider, 2)

Surgical Management of Permanent Conductive Hearing Loss in Children, Benefit vs. Burden. British

Columbia Otolaryngology-Head & Neck Society Meeting. Vancouver, BC.

## **MANITOBA**

LE, T

2019 Oct Keynote Invited Speaker. 1) Treatment of Cisplatin Ototoxicity: Past, Present, and Future, 2) Treatment of

Noise-Induced Hearing Loss Using Pharmacological Tools and Magnetic Targeting. 5th Prairies

Otolaryngology Weekend, Department of Otolaryngology-Head & Neck Surgery, University of Manitoba &

University of Saskatchewan, Riding Mountain National Park, MB.

LEE, J

2019 Jul Invited Guest Faculty and Speaker. Endoscopic Anatomy of the Lateral Nasal Wall. 17th Annual Canadian

Otolaryngology Resident Sinus Course. Winnipeg, MB.

2019 Jul Invited Guest Faculty and Speaker. Perioperative Care of the Sinus Patient. 17th Annual Canadian

Otolaryngology Resident Sinus Course. Winnipeg, MB.

BROWN, D

2019 Oct Invited Speaker. 1) Management of Disruptive Behaviour, 2) Clinical Approach to Neck Abscesses-Review of

Recent Literature. 5th Prairie Otolaryngology Weekend. Riding Mountain National Park, MB.

## **NEW BRUNSWICK**

#### GORDON. K

2019 Nov Invited Keynote Speaker. Cochlear Implantation in Children with Single-Sided Deafness. Forum in Audiology,

Teleconference to New Brunswick Clinics.

HIGGINS, K

2020 Instructor. Thyroid, Parathyroid and Neck Ultrasound Couse: An ACS

Exported Course. Fredericton, NB.

## **NOVA SCOTIA**

#### MONTEIRO, E

2019 Oct

Invited Speaker. Outcomes of Oral Cavity Squamous Cell Carcinoma in Patients Under the Age of 40: A Propensity Matched Analysis. Billfalk-Kelly A, Huang SH, Xu W, Lin L, Wu R, Bayley A, Bratman S, Cho J, Giuliani M, Kim J, O'Sullivan B, Ringash J, Hansen A, Irish J, Monteiro E, de Almeida J, Goldstein D, Waldron J, Hope A, Hosni A. Annual Scientific Meeting of the Canadian Association for Radiation Oncology. Halifax, NS

2019 Oct

Invited Speaker. Does a Rocky Treatment Course in Head & Neck Cancer Patients Predict Oncologic Outcomes. Malik N, Maganti M, McQuestion M, Tjong M, Keilty D, Monteiro E, Huang SH, Jang RWJ, Gomes A, Pun J, Ringash J. Annual Scientific Meeting of the Canadian Association for Radiation Oncology. Halifax, NS.

## **ONTARIO** (National Meetings in Ontario)

#### ADAMSON, P

2019 Nov

Lecturer of Honour. 1) The Past, Present and Future of Facial Plastic Surgery (CAFPRS Lecture of Honour), 2) Mastering the Nasal Tip — Selected Video Techniques. Facial Plastic and Reconstructive Surgery Update 2019, How I Do It..., Canadian Academy of Facial Plastic and Reconstructive Surgery, Department of OHNS, University of Toronto. Toronto, ON.

#### GANTOUS, A

2019 Nov

Invited Faculty. 1) Incisionless Otoplasty: How I Do It, 2) Rib Graft in Rhinoplasty: How I Do It. Facial Plastic & Reconstructive Surgery Update 2019: How I do it, Canadian Academy of Facial Plastic and Reconstructive Surgery. Toronto, ON.

#### GEVORGYAN, A

2020 Feb

Invited Speaker. Relativity – is it FAIR? The 18th Annual Otolaryngology Update. Department of Otolaryngology-Head & Neck Surgery, University of Toronto, ON.

Otolai

2020 Feb

Invited Speaker. 5 Minute Video Pearls: Sphenoidotomy. Rhinology Update 2020. Department of Otolaryngology-Head & Neck Surgery, University of Toronto. Toronto, ON.

#### GOLDSTEIN, D

2019 Nov

Invited Speaker. Thyroid Neoplasia: Current Treatment Principles. The Canadian Neuroradiology Course-Part 2. Toronto, ON.

#### GOULDING, G

2020 Feb

Invited Speaker. Pediatric Cochlear Implantation. Teacher of the Deaf & Hard of Hearing Program, York University. Toronto, ON.

#### LIN, RJ

2020 Jun

Panellist. Aerosol Generation from Flexible Nasopharyngolaryngoscopy, Real or Imagined? Laryngoscopy in Outpatient Setting. Webinar hosted by the Canadian Society of Otolaryngology-Head & Neck Surgery. Presenter(s): Kost K, Lin RJ, Darnborough A, Yammin N.

## **QUEBEC**

CHEN, J

2019 Oct Visiting Professor, McNally Lecture. ) Cochlear Implantation-Insights and New Frontiers, 2) Residency

Teaching-Ossiculoplasty, Tips and Pitfalls. McGill University. Montreal, QC.

ESKANDER, A

2020 Jun Machine Learning in Otolaryngology. Canadian Society of Otolaryngology Annual Meeting, Quebec, QC. Co-

speakers: Eskander A, de Almeida J, Crowson M.

IRISH, J

2019 Sept Keynote Speaker. Implementation Network: National Surgery Standards. Canadian Partnership Against

Cancer. Using Performance Data to Improve Cancer Care. Montreal, QC.

LIN, RJ

2020 May Invited Faculty: Laryngeal Stenosis. McGill Inter-University Laryngology Master Class (Zoom Webinar).

Montreal, QC.

PROPST, E

2019 Oct Invited Speaker. Endoscopic Airway Emergency Case Presentations. McGill and Western Endoscopic Airway

Course. Montreal, QC.

2019 Oct Invited Speaker. Cricotracheal Resection. McGill and Western Open Airway Course. Montreal, QC.

SMILSKY, K

2019 Sept Invited Speaker. Cl for SSD: Good Practice? How to Evaluate Success? Current Concepts in Cochlear

Implantation, Montreal, QC.

## PROVINCIAL/LOCAL MEETINGS

ADAMSON, P

2019 Nov Invited Guest Speaker. Face the Future™ Foundation Humanitarian Surgical Missions. Ontario Society of Oral

and Maxillofacial Surgeons, Toronto, ON.

2019 Oct Visiting Professor. 1) Mastering the Nasal Tip - The M-Arch Model (Grand Rounds), 2) Strategies and Tools for

Professional Success, 3) Upper Blepharoplasty, 4) Lower Blepharoplasty with Skin Pinch and Fat

Repositioning, 5) Aesthetic Otoplasty, 6) Principles of Scar Revision. Department of Otolaryngology-Head & Neck Surgery, Schulich School of Medicine and Dentistry, University of Western Ontario, London Health

Sciences Centre. London, ON.

BROWN, D

2019 Nov Invited Speaker. Current Management of Idiopathic SSNHL. Saturday Surgical Update Toronto. Department of

Family and Community Medicine SHN. Toronto, ON.

CAMPISI, P

2020 Jan Invited Speaker. Vocal Fold Dysfunction: Potential Learning Issues. Ontario Thoracic Society Annual Meeting.

Toronto, ON.

# PROVINCIAL/LOCAL MEETINGS (continued)

2019 Dec	Invited Speaker. All Program Directors and Family Medicine Site Directors Meeting. Residents Enabling CBME. Postgraduate Medical Education. University of Toronto. Chestnut Conference Facility. Toronto, ON.
2019 Nov	Invited Speaker and Panellist. CBME/CBD Invitational Roundtable and Master Class. Centre for Faculty Development and Postgraduate Medical Education, University of Toronto. Li Ka Shing Knowledge Institute. Toronto, ON.
2019 Jul	Invited Speaker. PREP Camp Phase 1 Lecture Series. Surgical Airway. Sinai Health Hospital. Toronto, ON.
<b>CHAN, Y</b> 2020 May	Moderator. Clinic/Office Preparedness in the COVID-19 Era: A Pragmatic Approach with Practical Tips. Department of Otolaryngology-Head & Neck Surgery Grand Rounds. Toronto, ON.
2020 May	Panellist. Women in Medicine: Leading in the Times of Crisis. Department of Otolaryngology-Head & Neck Surgery Grand Rounds. Toronto, ON.
2020 Feb	Moderator and Presenter. Practice Makes Perfect: Managing Devastating Complications in Sinus Surgery Simulation with Videos. Rhinology Update 2020. Department of Otolaryngology-Head & Neck Surgery Grand Rounds. Toronto, ON.
2020 Feb	Invited Speaker. Deciphering the Frontal Sinus Drainage Pathway. Rhinology Update 2020. Department of Otolaryngology-Head & Neck Surgery Grand Rounds. Toronto, ON.
2020 Feb	Invited Speaker. Video Presentation: Inferior Turbinoplasty. Rhinology Update 2020. Department of Otolaryngology-Head & Neck Surgery Grand Rounds. Toronto, ON.
CHIODO, A 2020 Jun	Invited Speaker/Faculty. HPV-Positive Oropharyngeal Carcinoma: How to Facilitate an Early Diagnosis. Department of Otolaryngology-Head and Neck Surgery, Grand Rounds. Toronto, ON. Sophie Huang, Jolie Ringash, Albino Chiodo.
2020 Jun	Invited Speaker. Otolaryngology-Head & Neck Surgery Practice Management 2020, Department of Otolaryngology-Head & Neck Surgery, University of Toronto, June, 2020 (invited by senior residents to present). Toronto, ON.
2020 Jan	Invited Speaker/Faculty. Current Concepts in the Management of Sinusitis and Allergic Rhinitis. Department of Family and Community Medicine Grand Rounds, Michael Garron Hospital, University of Toronto, Toronto, ON.
2019	Invited Speaker. Emergencies in Otolaryngology-Head and Neck Surgery 2019. Department of Family Medicine, Michael Garron Hospital, Resident Lectures. Toronto, ON.
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## **CUSHING, S**

2019 Nov Invited Speaker. Dizziness in Children: How to Diagnose and Manage. University of Toronto Dizziness Update 2019. Toronto, ON.

2020 Feb

PROVINCIA	L/LOCAL MEETINGS (continued)
<b>DE ALMEIDA, J</b> 2020 May	Invited Speaker. Management of Oropharyngeal Carcinoma. Toronto.
2019 Oct	Invited Speaker. Annual Research Evening: Division of Head and Neck Oncology and Microvascular Reconstructive Surgery: Division of Research. Department of Otolaryngology-Head & Neck Surgery. Peter Gilgan Research Centre. Toronto, ON.
<b>ESKANDER, A</b> 2020 May	Invited Speaker. Health Services Research in Head and Neck Oncology: Past, Present and Future. Evaluative Clinical Sciences Rounds, Sunnybrook Health Science Centre, Toronto, ON.
2020 Feb	Invited Speaker. Cutaneous Squamous Cell Carcinoma: An Update. Toronto Dermatology Society. Toronto, ON.
2020 Feb	Invited Speaker. Oral and Dental Rehabilitation for Head and Neck Cancer Patients. Hamilton Dentistry Society. Hamilton, ON.
2019 Nov	Invited Speaker. Surgical Anatomy and Cancer of the Larynx and Hypopharynx. Larynx and Hypopharynx Workshop: Clinicians Point of View, Department of Medical Imaging, University of Toronto. Toronto, ON.
2019 Nov	Invited Speaker. Thyroid Program Quality Improvement. Quality Improvement Rounds, Michael Garron Hospital. Toronto, ON.
<b>GANTOUS, A</b> 2020 Feb	Invited Faculty. Septoplasty: How I Do It. Otolaryngology Update 2020, Department of Otolaryngology-Head & Neck Surgery, University of Toronto. Toronto, ON.
GORDON, K 2020 Feb	Invited Speaker. Neural Consequences of Asymmetric Hearing Loss in Development: Evidence from Children Using Cochlear Implants. Krembil Neuroimaging Rounds, Toronto Western Hospital. Toronto, ON.
HIGGINS, K 2020	Invited Speaker. Tracheoesophageal Puncture Complications: Risk Factor Analyses. Sunnybrook Clinical Innovation Expo 2020. Sunnybrook Health Science Centre. Toronto, ON.
<b>LE, T</b> 2020 Mar	Invited Speaker. Tomlinson Lecture: Therapeutic Delivery to the Inner Ear Department of Otolaryngology-Head & Neck Surgery, University of Toronto. Toronto, ON.
<b>LEE, J</b> 2020 Feb	Invited Speaker. Why Sinus Surgery Fails? What are the reasons for disease recurrence? Rhinology Update. Department of Otolaryngology-Head & Neck Surgery, University of Toronto. Toronto, ON.
2020 Feb	Invited Speaker. Chronic Rhinosinusitis and the United Airway. Division of Allergy and Clinical Immunology

Invited Speaker. Chronic Rhinosinusitis and Nasal Polyposis. Division of Allergy and Clinical Immunology

Grand Rounds. McMaster University, Hamilton, ON.

Teaching Rounds. University of Toronto, Toronto, ON.

# PROVINCIAL/LOCAL MEETINGS (continued)

<b>LIN, V</b> 2019 Nov	Invited Speaker. Open Mic Session: Ask an Expert. Dizziness Update 2019. Department of Otolaryngology-Head & Neck Surgery. Toronto, ON.
2019 Nov	Panellist. Ask an Expert/Audience Discussion: Practical Management of Peripheral Vestibular Disease. Dizziness Update 2019. Department of Otolaryngology-Head & Neck Surgery. Toronto, ON.
<b>LIN, RJ</b> 2020 Jun	Invited Speaker. Allergy and Voice Disorders. Clinical Immunology & Allergy Grand Rounds (via Zoom), Department of Medicine, University of Toronto. Toronto, ON.
2020 May	Panellist. Life in Surgery. University of Toronto Life in Surgery (Medical Student Organization). Toronto, ON.
2020 Feb	Invited Speaker. What is this Laryngeal Diagnosis? OtoUpdate 2020. Department of Otolaryngology-Head and Neck Surgery, University of Toronto. Toronto, ON.
2019 Nov	Invited Speaker. Vocal Health for Singers. Vocal Pedagogy Program, Department of Music, University of Toronto. Toronto, ON.
MONTEIRO, E 2020 Feb	Invited Speaker. Surgical Video Pearls. 2020 Rhinology Update. Department of Otolaryngology-Head & Neck Surgery. University of Toronto. Toronto, ON.
2020 Feb	Invited Speaker. The Maxillary Sinus and Dental Implantation. The Department of Dentistry – Prosthodontics. University of Toronto. Toronto, ON.
2020 Feb	Invited Speaker. Otolaryngology Perspective on Tongue and Mandibular Resections and Reconstruction. The Department of Dentistry – Prosthodontics. University of Toronto. Toronto, ON.
2019 Nov	Invited Speaker. Learning from Adverse Events, Near Misses, and Errors in the Perioperative Setting. Faculty Development Day. Departments of Surgery, Anesthesia, and Otolaryngology-Head & Neck Surgery. University of Toronto. Toronto, ON.
2019 Nov	Invited Speaker. Deep Neck Space Infections. 2019 Larynx and Hypopharynx Symposium. Department of Medical Imaging. University of Toronto. Toronto, ON.
2019 Nov	Invited Speaker. Laryngeal Trauma. 2019 Larynx and Hypopharynx Symposium. Department of Medical Imaging. University of Toronto. Toronto, ON.
2019 Nov	Invited Speaker. Surgical Procedures of the larynx and hypopharynx. 2019 Larynx and Hypopharynx Symposium. Department of Medical Imaging. University of Toronto.
PROPST, E 2019 Nov	Invited Speaker. Pediatric Tracheostomy (lecture and hands-on session). SickKids Pediatric Anesthesia Conference. Toronto, ON.

2020 Feb

# PROVINCIAL/LOCAL MEETINGS (continued)

2019 Sep	Simulation Supervisor and Presenter. Endoscopic Airway Emergency Case Presentations. 8th Annual Emergencies in Otolaryngology Head & Neck Surgery Bootcamp. McMaster University Department of Otolaryngology-Head & Neck Surgery. London, ON.
2019 Aug	Invited Speaker. Respiratory Issues in Neonates and Children and Emergency Surgical Airways. SickKids Acute Transport Service Fellows. Toronto, ON.
<b>RUTKA, J</b> 2019 Nov	Burden of Dizziness in the Province of Ontario. University of Toronto Dizziness Neurotology Update 2019, Department of Otolaryngology-Head & Neck Surgery, University of Toronto. Toronto, ON.
SINGH, P 2020 Jan	Invited Speaker. National Surgical Quality Improvement Program (NSQIP). Medical Advisory Committee. Scarborough Health Network. Toronto, ON.
2019 Nov	Invited Speaker. Common ENT Referrals. Family Medicine Academic Half Day. Scarborough Health Network. Toronto, ON.
2019 Jul	Invited Speaker. Improving UTI Rates at Scarborough Health Network. Health Quality Ontario, Surgical Improvement Day. Toronto, ON.
WITTERICK, I 2020 Feb	Panellist. Common Clinical Challenges in Rhinology Panel. Rhinology Update 2020. Department of Otolaryngology-Head & Neck Surgery, University of Toronto. Toronto, ON.
WOLTER, N 2019 Nov	Invited Speaker. Resident Fellowship Exam Study Course: Pediatric Rhinology and Skull Base Disease. Department of Otolaryngology-Head & Neck Surgery, University of Toronto. Toronto, ON.
2019 Aug	Invited Speaker. PGY Anatomy Course: Embryology of the Head and Neck. Department of Otolaryngology-Head & Neck Surgery, University of Toronto. Toronto, ON.
<b>YIP, J</b> 2020 Feb	Invited Speaker. Pre-Operative and Post-Operative Management in Sinus Surgery. Rhinology Update. Department of Otolaryngology-Head & Neck Surgery, University of Toronto. Toronto, ON.

Invited Speaker. Posterior Nasal Neurectomy for Vasomotor Rhinitis. Rhinology Update, Department of

Otolaryngology-Head & Neck Surgery, University of Toronto, Toronto, ON.

# Papers Presented at Conferences/Society Meetings

# **INTERNATIONAL MEETINGS**

# Canada (International Meetings in Canada)

### CAMPISI, P

2020 May Livingston J, Alrowaily N, Carcao M, Campisi P, Ranguis S, John P, Ryan G. Antenatal Rapamycin Therapy for

a Rapidly Enlarging Fetal Macro/Microcystic Lymphatic Neck Malformation Causing Polyhydramnios.

International Society for the Study of Vascular Anomalies. Vancouver, BC.

### GORDON, K

2019 May Gabriel G, Gnanasegaram J, Harris L, Cushing S, Gordon K, Pichora-Fuller K, Haycock B, Campos J. Hearing

Loss and Falls: Characterizing the Link Between Age-Related Hearing Loss and Loss of Vestibular Sensitivity.

Poster presentation, International Hearing Loss Conference, Niagara-on-the-Lake, ON.

2019 May McSweeny C, Cushing S, Campos J, Papsin B, Gordon K. Functional Deficits in Children Who Receive

Simultaneous Bilateral Cochlear Implants and Children Who Have Single-Sided Deafness. International

Hearing Loss Conference. Niagara-on-the-Lake, ON.

2019 May Lee H, Smieja D, Polonenko M, Cushing S, Papsin B, Gordon K. Do Cochlear Implants Restore Cortical

Representation in Children with Single-Sided Deafness? Poster at the International Hearing Loss Conference,

Niagara-on-the-Lake, ON.

2019 May Shanmugalingam K, McLennan J, Negandhi J, McKnight C, Gordon K. Evaluating the Effect of Test

Environment Using the Digits-in-Noise Test. Poster at the International Hearing Loss Conference. Niagara-on-

the-Lake, ON.

### **GERMANY**

### PROPST, E

Deonarain A, Looi T, Harrison RV, Gordon KA, Agur A, Wolter NE, Propst EJ. Design of a Simulator for Surgical

Training in Tracheostomy and Advanced Open Airway Surgery. 41st Annual International Conference of the

IEEE Engineering in Medicine and Biology Society. Berlin, Germany.

### WOLTER, N

2019 July Deonarain A, Looi T, Gordon K, Harrison RV, Agur A, Drake J, Wolter NE, Propst EJ. Design of a Simulator for

Surgical Training in Tracheostomy and Advanced Open Airway Surgery. 41st Annual International Conference

of the IEEE Engineering in Medicine and Biology Society. Berlin, Germany.

# **PORTUGAL**

GORDON, K

2019 May Polonenko M, Papsin BC, Cushing S, Gordon K. Effectiveness of a Cochlear Implant for Children with Single-

Sided Deafness. 14th Congress of the European Federation of Audiology Societies. Lisbon, Portugal.

2019 May Ganek H, Cushing S, Papsin BC, Gordon K. Pediatric Cochlear Implant Recipients as Adults: A Survey, 14th

Congress of the European Federation of Audiology Societies. Lisbon, Portugal.

# **ROMANIA**

CUSHING, S

2019 Oct Cushing SL, Gordon KA, Sokolov M, Papaioannou V, Polonenko M, Papsin BC. Analysis of Etiology and

Indication for Therapy Indication with Cochlear Implantation in Children with Single-Sided Deafness. 14th

European Symposium on Pediatric Cochlear Implantation. Bucharest, Romania.

2019 Oct Cushing SL, Gordon KA, Feness ML, Neghandi J, Papsin BC. Application of a New Active Osseointegrated

Steady State Implant System (OSI) in Children with Previous Percutaneous Implants. 14th European

Symposium on Pediatric Cochlear Implantation. Bucharest, Romania.

GORDON, K

2019 Oct Cushing SL, Gordon KA, Sokolov M, Papaioannou V, Polonenko M, Papsin BC. Analysis of Etiology and

Indication for Therapy Indication with Cochlear Implantation in Children with Single-Sided Deafness. 14th

European Symposium on Pediatric Cochlear Implantation. Bucharest, Romania.

2019 Oct Cushing SL, Gordon KA, Feness ML, Neghandi J, Papsin BC Application of a New Active Osseointegrated

Steady State Implant System (OSI) in Children with Previous Percutaneous Implants. 14th European

Symposium on Pediatric Cochlear Implantation. Bucharest, Romania.

# **UNITED STATES**

CAMPISI, P

2020 Apr Sgro J, Ngan B, Campisi E, Greer ML, Selvam S, Alexander S, Campisi P. Utility of Cervical Lymph Node

Biopsies in Pediatric Patients with Suspected Lymphoproliferative Disorders. American Society of Pediatric

Otolaryngology, Combined Otolaryngology Spring Meeting. Atlanta, GA.

2020 Apr Cottrell J, Yip J, Chan Y, Campisi P, Chadha N, Damni A, Hong P, Lachance S, Leitao D, Nguyen L, Sanders N,

Strychowsky J, Yunker W, Vaccani JP, Eskander A, Witterick IJ, Monteiro E. Quality Indicators for the Diagnosis

and Management of Pediatric Tonsillitis. American Society of Pediatric Otolaryngology, Combined

Otolaryngology Spring Meeting. Atlanta, GA.

### CUSHING, S

2019 Dec Cushing SL, Gordon KA, Feness ML, Neghandi J, Papsin BC. Surgical Considerations for Implantation of a

New OSI. 7th International Congress on Bone Conduction Hearing and Related Technologies. Miami Beach,

FL.

2019 Dec Cushing SL, Gordon KA, Feness ML, Neghandi J, Papsin BC. Early Outcomes of a New Bone Conduction

Device in Children. 7th International Congress on Bone Conduction Hearing and Related Technologies. Miami

Beach, FL.

2019 Dec Cushing SL, Gordon KA, Feness ML, Neghandi J, Papsin BC. Children with Longstanding SSD, an Expanded

Treatment Paradigm with OSI. 7th International Congress on Bone Conduction Hearing and Related

Technologies. Miami Beach, FL.

2019 Jul Cushing SL, Gordon KA, Feness ML, Neghandi J, Papsin BC. Surgical Considerations for Implantation of a

New Active Bone Conduction Aid in Children. Cl2019. Hollywood, Florida.

### DE ALMEIDA, J

Bernal MO, Liu Z, lafolla MA, Spreafico A. Circulating Tumour DNA Dynamics as Prognostic and Predictive

Biomarkers of Response to Pembrolizumab. 2020 Annual ASCO Meeting. Virtual Meeting.

2020 May Cottrell J, Zahr S, Yip J, Agrawal S, Archibald J, Chau J, Lea J, Lin V, Mick P, Morris D, Parnes L, Schramm D,

Chan Y, de Almeida J, Eskander A, Witterick I, Monteiro E. Quality Indicators for the Diagnosis and Management of Sudden Sensorineural Hearing Loss. Poster Accepted for AOS @ COSM 2020. Virtual

Meeting.

2020 May Cottrell J, Yip J, Campisi P, Chadha N, Damji A, Hong P, Lachance S, Leitao D, Nguyen L, Saunders N,

Strychowsky J, Yunker W, Vaccani JP, Chan Y, de Almeida J, Eskander A, Witterick I, Monteiro E. Quality Indicators for the Diagnosis and Management of Pediatric Tonsillitis. Poster Accepted for ASPO @ COSM

2020. Virtual Meeting.

2019 Sept Lassen P, Huang SH, Su J, O'Sullivan B, Waldron J, Andersen M, Primdahl H, Johansen J, Dristensen C,

Andersen E, Alsner J, Lilja-Fischer J, Bratman S, Spreafico A, de Almeida J, Xu W, Overgaard J. Treatment Outcomes and Survival Following Primary (chemo) Radiotherapy in HPV+ Oropharynx Cancer: A Largescale Comparison of Two Institutions. Digital Poster Viewing Q&A Session. 2019 Annual ASTRO Meeting. Chicago.

IL.

Traverso A, Hosni-Abdalaty A, Hasan M, Kim J, Ringash J, Cho J, Bratman S, Bayley A, Waldron J, Welch M,

Irish J, O'Sullivan B, de Almeida J, Giuliani M, Chepeha D, Goldstein D, Jaffray D, Wee L, Dekker A, Hope A. Investigating Radiomics to Predict Positive Lymph Nodes in Oral Cavity Squamous Cell Carcinoma. American

Association of Physicists in Medicine Annual Meeting. San Antonio, TX.

### DIMITRIJEVIC, A

2020 Jan EEG Oscillations and Entrainment in Cochlear Implant Users While Watching "The Office": Neural Correlates

of Listening Effort and Speech Encoding with Continuous, Naturalistic Stimuli. Association for Research in

Otolaryngology. San Jose, CA.

2020 Jan Electrophysiological Correlates of Dichotic Streaming in Bilateral Cl Users: Speech Entrainment and

Lateralized Alpha Oscillations. Association for Research in Otolaryngology. San Jose, CA.

2020 Jan Larger ERP Potentials and Delayed Alpha Oscillations in Individuals with Cochlear Implants During a Working

Memory Task. Association for Research in Otolaryngology. San Jose, CA.

2020 Jan Do EEG Measures and Pupillomtery Measures Relate? Association for Research in Otolaryngology. San Jose,

CA.

### **ESKANDER, A**

2020 Jun Noel CW, Sutradhar R, Irish JC, Halle, J, Coburn NG, Eskander A. Symptom Burden as a Predictor of

Emergency Room Use and Unplanned Hospitalization in Patients with Head and Neck Cancer: A Population

Based Study. American Society of Clinical Oncology Annual Meeting. Chicago, IL.

2020 May Cottrell J, Yip J, Campisi P, Chadha N, Damji A, Hong P, Lachance S, Leitao D, Nguyen L, Saunders N,

Strychowsky J, Yunker W, Vaccani JP, Chan Y, de Almeida J, Eskander A, Witterick I, Monteiro E. Quality Indicators for the Diagnosis and Management of Pediatric Tonsillitis. American Society of Pediatric

Otolaryngology. Atlanta, GA.

2020 May Cottrell J, Zahr S, Yip J, Agrawal S, Archibald J, Chau J, Lea J, Lin V, Mick P, Morris D, Parnes L, Schramm D,

Chan Y, de Almeida J, Eskander A, Witterick I, Monteiro E. Management of Sudden Sensorineural Hearing

Loss. American Otologic Society. Atlanta, GA.

2020 Jan Fu T, Msallak H, Namavarian A, Monteiro E, Eskander A. Surgical Tray Optimization: A Quality Improvement

Initiative that Reduces Operating Room Costs, Triological Society Combined Section Meeting, Coronado, CA.

2019 Sept Weiss Y, Chin L, Lau A, Husain Z, Higgins K, Enepekides DJ, Eskander A, Ho L, Poon I, Karam I. Cine MRI-

based Analysis of Intrafractional Motion Treatment Planning of Head and Neck Cancer Patients. American

Society for Radiation Oncology 61st Annual Meeting. Chicago, IL.

### GORDON, K

2019 Dec Cushing SL, Gordon KA, Feness ML, Neghandi J, Papsin BC. Surgical Considerations for Implantation of a

New OSI. 7th International Congress on Bone Conduction Hearing and Related Technologies. Miami Beach,

FL.

2019 Dec Cushing SL, Gordon KA, Feness ML, Neghandi J, Papsin BC. Early Outcomes of a New Bone Conduction

Device in Children. 7th International Congress on Bone Conduction Hearing and Related Technologies. Miami

Beach, FL.

2019 Dec	Cushing SL, Gordon KA, Feness ML, Neghandi J, Papsin BC. Children with Longstanding SSD, an Expanded Treatment Paradigm with OSI. 7th International Congress on Bone Conduction Hearing and Related Technologies. Miami Beach, FL.
2019 Jul	Cushing SL, Gordon KA, Feness ML, Neghandi J, Papsin BC. Surgical Considerations for Implantation of a New Active Bone Conduction Aid in Children. Cl2019. Hollywood, FL.
2019 Dec	Feness ML, Cushing SL, Gordon KA, Neghandi J, Papsin BC. Audiological Management of Children Using an OSI. 7th International Congress on Bone Conduction Hearing and Related Technologies. Miami Beach, FL.
2019 Dec	Papsin BC, Gordon KA, Feness ML, Neghandi J, Cushing SL. Pediatric Candidacy Assessment for a New OSI. 7th International Congress on Bone Conduction Hearing and Related Technologies. Miami Beach, FL.
2019 Dec	Zworth MRW, Hill EAL, Purcell PL, Papsin BC, Cushing SL, Liberman G, Gordon KA. Delays to Cochlear Implantation in Children Reveal the Importance of Early Hearing Loss Confirmation. Society for Ear Nose and Throat Advances in Children. La Jolla, CA.
2019 Dec	Purcell PL, Ziai H, Papaioannou V, Gordon KA, Papsin BC, Cushing SL. Characteristic of Unilateral and Asymmetric Hearing Loss in Children with Otherwise Asymptomatic Congenital Cytomegalovirus. Society for Ear Nose and Throat Advances in Children. La Jolla, CA.
2019 Dec	Leonard CG, Cushing SL, Papsin BC, Gordon KA, James AJ. Hearing Environments and Reflection on Quality of Life (HEAR-QL) in Adolescents with Cholesteatoma. Society for Ear Nose and Throat Advances in Children. La Jolla, CA.
2019 Jul	Cushing SL, Papsin BC, Gordon KA. Balance and Hearing: What Cochlear Implants have Taught us About Development of the Vestibular System In Expanding use of Cls: Use of Cochlear Implants in New Populations with Hearing Loss. Abstract, 2019 Conference on Implantable Auditory Prostheses, Granlibakken Conference Center. Lake Tahoe, CA.
2019 Jul	Lee H-J, Smieja D, Poloneko M, Cushing SL, Papsin BC, Gordon KA. The Importance of Consistent Cochlear Implant Use on Cortical Plasticity in Children with Single-Sided Deafness, Abstract, 2019 Conference on Implantable Auditory Prostheses, Granlibakken Conference Center. Lake Tahoe, CA.
2019 Jul	McSweeny C, Cushing SL, Campos J, Papsin BC, Gordon KA. Children with Impaired Binaural Hearing Have Working Memory, Learning and Navigation Deficits: Evidence from Groups with Bilateral Cochlear Implants and Untreated Single-Sided Deafness. Abstract P48, Conference on Implantable Auditory Prostheses, Granlibakken Conference Center, Lake Tahoe, CA.
2019 Jul	McSweeny C, Cushing SL, Campos J, Papsin BC, Gordon KA. Are Balance Deficits in Children with Bilateral

and Unilateral Deafness Due to Vestibular Impairment Alone? Poster, 2019 Conference on Implantable

Auditory Prostheses, Granlibakken Conference Center. Lake Tahoe, CA.

2019 Feb

# **INTERNATIONAL MEETINGS (continued)**

2019 Jul Smieja D. Dunkley BT. Papsin BC. Gordon KA. Disrupted Interhemispheric Coherence in Children Receiving Bilateral Implants Simultaneously, Poster, 2019 Conference on Implantable Auditory Prostheses, Granlibakken Conference Center. Lake Tahoe, CA. 2019 Jul Ganek HV, Forde-Dixon D, Cushing SL, Papsin BC, Gordon KA. Quantifying Children's "Real World" Sound Environments: A Comparison Between Speech Processor Datalogging and Human Coder Classifications. Poster, 2019 Conference on Implantable Auditory Prostheses, Granlibakken Conference Center. Lake Tahoe, CA. 2019 Jul Negandhi J, Papsin BC, Alemu R, Gordon KA. Can Aural Preference Develop in an Older Child and then Reverse After Hearing Recovery in Adulthood?: A Rare Single Case Study. Poster, 2019 Conference on Implantable Auditory Prostheses, Granlibakken Conference Center. Lake Tahoe, CA. 2019 Jul Polonenko M, Smieja D, Papsin BC, Gordon KA. Effect of Aural Preference on Cortical Bilateral Advantage in Children with Bimodal Hearing. Poster, 2019 Conference on Implantable Auditory Prostheses, Granlibakken Conference Center. Lake Tahoe, CA. 2019 Jul Ganek H. Papsin B. Gordon K. Using the LENA System to Investigate Conversational Partners in Children With and Without Cochlear Implants. Podium presentation, Cl2019: 16th Symposium on Cochlear Implants in Children. Hollywood, FL. 2019 Jul Ganek H, Papsin B, Gordon K. How Accurate is Cochlear Implant Scene Classification? Podium presentation, Cl2019: 16th Symposium on Cochlear Implants in Children. Hollywood, FL. 2019 Jul Ganek H, Cushing SL, Papsin BC, Gordon KA. Children with Single-Sided Deafness Consistently Wear their Cochlear Implants. Poster presentation, Cl2019: 16th Symposium on Cochlear Implants in Children. Hollywood, FL. Ganek H, Deja Forde-Dixon, Cushing SL, Papsin BC, Gordon KA. Quantifying Children's "Real World" Sound 2019 Jul Environments: A Comparison Between Speech Processor Datalogging and Human Coder Classifications. Poster presentation, Cl2019: 16th Symposium on Cochlear Implants in Children. Hollywood, FL. 2019 Jul Cushing S, Gordon KA, Feness ML, Papsin BC. Surgical Considerations for Implantation of a New Active Bone Conduction Aid in Children. Podium presentation, Cl2019: 16th Symposium on Cochlear Implants in Children. Hollywood, FL. 2019 Feb Alemu RZ, Gorodensky JH, Gill SS, Papsin BC, Gordon KA. Speech Evoked Auditory Brainstem Response to Assess Binaural Processing in Children with Early Onset Hearing Loss, poster presentation at the Conference of the Association for Research in Otolaryngology. Baltimore, MD.

Polonenko M, Salloum C, Papsin BC, Gordon KA. Delayed Bilateral Cochlear Implantation in Children Promotes Aural Preference in Brainstem Processing of ITDs, poster presentation at the Conference of the

Association for Research in Otolaryngology, Baltimore, MD.

LEE, J

2020 Apr Lee D, Yip JY, Lee JM. Nasal Nitric Oxide as a Long-Term Monitoring and Prognostic Biomarker of Mucosal

Health in Chronic Rhinosinusitis. American Rhinologic Society Spring Meeting at COSM. Boston, MA.

2020 Apr Grose E, Lee DJ, Yip J, Cottrell J, Sykes J, Lee JK, Lee JM. Surgical Outcomes in Aspirin-Exacerbated

Respiratory Disease Without Aspirin Desensitization. American Rhinolgoic Society Spring Meeting at COSM.

Boston, MA.

2020 Apr Samargandy S, Grose E, Chan Y, Monteiro E, Lee JM, Yip J. Medical and Surgical Treatment Outcomes in

Patients with Chronic Rhinosinusitis and Immunodeficiency: A Systematic Review. American Rhinologic

Society Spring Meeting at COSM. Boston, MA.

LIN, RJ

2020 Apr Lin RJ, lakovlev V, Streutker C, Lee D, Al-Ali M, Anderson J. Blue Light Laser Results in Less Vocal Fold

Scarring Compared to KTP Laser in Normal Rat Vocal Folds. American Laryngological Association at the Combined Otolaryngology Spring Meeting 2020. Atlanta, GA. (ePoster due to COVID-19 pandemic).

PAPAIOANNOU, V

2019 Jul Ganek H, James AL, Papaioannou V, Gordon KA. Is Auditory Development Different for Children with Cochlear

Implants and Children with Hearing Aids? American Cochlear Implant Alliance CI 2019: 16th Symposium on

Cochlear Implants in Children, Hollywood, FL.

PROPST, E

2019 Dec Wolter NE, Kennedy AA, Rutter MJ, Matava CT, Honjo O, Chiu PL, Propst EJ. Diagnosis and Management of

Complete Tracheal Rings with Concurrent Tracheoesophageal Fistula. Society for Ear, Nose and Throat

Advancement in Children 2019 Annual Meeting. San Diego, CA.

2019 Dec Cottrell J, Zahr S, Propst EJ, Narang I, Amin R, Wolter NE. Morbidity and Mortality Following

Adenotonsillectomy in Children with Trisomy 21. Society for Ear, Nose and Throat Advancement in Children

2019 Annual meeting, San Diego, CA.

2019 Dec Yang W, Milad D, Propst EJ, Wolter NE, Chan Y. Systematic Review of Rigid and Flexible Endoscopy for

Pediatric Esophageal Foreign Bodies. Society for Ear, Nose and Throat Advancement in Children 2019 Annual

meeting. San Diego, CA.

2019 Dec Ziai H, Propst EJ, Blaser SI, Forrest CR, Phillips JH, Wolter NE. Radiographic Analysis of Nasal Dimensions in

Children with Craniosynostosis Syndromes. Society for Ear, Nose and Throat Advancement in Children 2019

Annual meeting. San Diego, CA.

Deonarain AR, Harrison RV, Gordon KA, Wolter NE, Looi T, Estrada M, Propst EJ. Development and Evaluation of

a Simulator for Surgical Training in Tracheostomy and Advanced Open Airway Surgery. Society for Ear, Nose

and Throat Advancement in Children 2019 Annual meeting. San Diego, CA.

2019 Oct

# **INTERNATIONAL MEETINGS (continued)**

2019 Sept Faucett EA, Wolter NE, Balakrishnan K, Ishman SL, Propst EJ et al. Development of a Competency-Based Assessment Tool for Pediatric Tracheostomy: A Modified Delphi Consensus Process. American Academy of Otolaryngology-Head and Neck Surgery 2019 Annual Meeting. New Orleans, LA. 2019 July Ziai H, Propst EJ, Blaser SI, Forrest CR, Phillips JH, Wolter NE. A Radiographic Analysis of Nasal Dimensions in Children with Apert and Crouzon Syndrome. American Society of Pediatric Otolaryngology Summer Meeting 2019: Frontiers in Pediatric Otolaryngology. Vail, CO. WOLTER, N 2020 Apr Chesover AD, Eskander A, Griffiths R, Pasternak JD, Pole JD, Wolter NE, Wasserman JD. The Impact of Hospital Surgical Volume on Healthcare Utilization and Surgical Outcomes for Pediatric Thyroidectomy Poster (online). American Society of Pediatric Otolaryngology 2020 Annual Meeting at COSM online. Atlanta, GA. 2019 Dec Wolter NE, Kennedy AA, Rutter MJ, Matava CT, Honjo O, Chiu PL, Propst EJ. Diagnosis and Management of Complete Tracheal Rings with Concurrent Tracheoesophageal Fistula. Society of Ear, Nose and Throat Advancement in Children 2019 Annual Meeting. San Diego, CA. 2019 Dec Cottrell J. Zahr S. Propst EJ. Narang I. Amin R. Wolter NE. Morbidity and Mortality Following Adenotonsillectomy in Children with Trisomy 21. Society of Ear, Nose and Throat Advancement in Children 2019 Annual meeting. San Diego, CA. 2019 Dec Yang W, Milad D, Propst EJ, Wolter NE, Chan Y, Systematic Review of Rigid and Flexible Endoscopy for Pediatric Esophageal Foreign Bodies. Society of Ear, Nose and Throat Advancement in Children 2019 Annual meeting. San Diego, CA. 2019 Dec Ziai H, Propst EJ, Blaser SI, Forrest CR, Phillips JH, Wolter NE. Radiographic Analysis of Nasal Dimensions in Children with Craniosynostosis Syndromes. Society of Ear, Nose and Throat Advancement in Children 2019 Annual meeting. San Diego, CA. 2019 Dec Deonarain AR, Harrison RV, Gordon KA, Wolter NE, Looi T, Estrada M, Propst EJ. Development and Evaluation of a Simulator for Surgical Training in Tracheostomy and Advanced Open Airway Surgery, Society of Ear, Nose and Throat Advancement in Children 2019 Annual Meeting. San Diego, CA. 2019 Sept Faucett EA, Wolter NE, Balakrishnan K, Ishman SL, Propst EJ et al. Development of a Competency-Based Assessment Tool for Pediatric Tracheostomy: A Modified Delphi Consensus Process. American Academy of Otolaryngology-Head and Neck surgery 2019 Annual Meeting. New Orleans, LA.

Ziai H, Propst EJ, Blaser SI, Forrest CR, Phillips JH, Wolter NE. A Radiographic Analysis of Nasal Dimensions in Children with Apert and Crouzon Syndrome. American Society of Pediatric Otolaryngology Summer Meeting 2019: Frontiers in Pediatric Otolaryngology. Vail, CO.

Tracheostomies. CHEST Annual Meeting 2019. New Orleans, LA.

Chiang J, Wolter NE, Syed F, Russell L, Amin R. Evaluation and Initiation of Speaking Valves in Children with

YIP, J

2020 Apr Samargandy S, Grose E, Chan Y, Lee JM, Yip J. Treatment Outcomes in Patients with Chronic Rhinosinusitis

and Immunodeficiency: A Systematic Review. Combined Otolaryngology Spring Meeting. Atlanta, GA.

2020 Apr Grose E, Lee DJ, Yip J, Skyes J, Lee JM. Surgical Outcomes and Revision Surgery Rates in Aspirin-

Exacerbated Respiratory Disease without Aspirin Desensitization. Combined Otolaryngology Spring Meeting.

Atlanta, GA.

2020 Apr Cottrell J, Yip J, Campisi P, Chadha N, Damji A, Hong P, Lachance S, Leitao D, Nguyen L, Saunders N,

Strychowsky J, Yunker W, Vaccani JP, Chan Y, de Almeida J, Eskander A, Witterick I, Monteiro E. Quality Indicators for the Diagnosis and Management of Pediatric Tonsillitis. Combined Otolaryngology Spring

Meeting. Atlanta, GA.

2020 Apr Cottrell J, Zahr S, Yip J, Agrawal S, Archibald J, Chau J, Lea J, Lin V, Mick P, Morris D, Parnes L, Schramm D,

Chan Y, de Almeida J, Eskander A, Witterick I, Monteiro E. Quality Indicators for the Diagnosis and

Management of Sudden Sensorineural Hearing Loss. Combined Otolaryngology Spring Meeting. Atlanta, GA.

# **NATIONAL MEETINGS**

# **ALBERTA**

### ESKANDER, A

2019 Jun

NIFTP: Is it Really Benign. Canadian Society of Otolaryngology-Head & Neck Surgery Annual Meeting.

Edmonton, AB.

# **BRITISH COLUNBIA**

### WOLTER, N

2020 May

Wolter JK, Osborn AJ, Propst EJ, Wolter NE. Targeting the PI3K and RAS Pathways for the Treatment of Lymphatic Malformations. International Society for the Study of Vascular Anomalies 2020 International

Workshop. British Columbia.

# **ONTARIO** (National Meetings in Ontario)

### DE ALMEIDA, J

2020 Sept

Cozma Al, Alfaraj F, Lukovic J, Su J, Xu W, Mierzwa ML, de Moraes F, Huang SH, Bratman SV, Giuliani M, Hope A, Kim J, Ringash J, Waldron J, de Almeida JR, Goldstein DP, Rosko A, Spector ME, Kowalski LP, Marta GN, Hosni A. Assessing Predictors of Locoregional Failure Following Surgical Resection of Non-Metastatic Salivary Gland Carcinoma and the Role of Post-Operative Radiotherapy. Canadian Association of Radiation Oncology Annual Scientific Meeting. Toronto, ON.

# PROVINCIAL/LOCAL MEETINGS

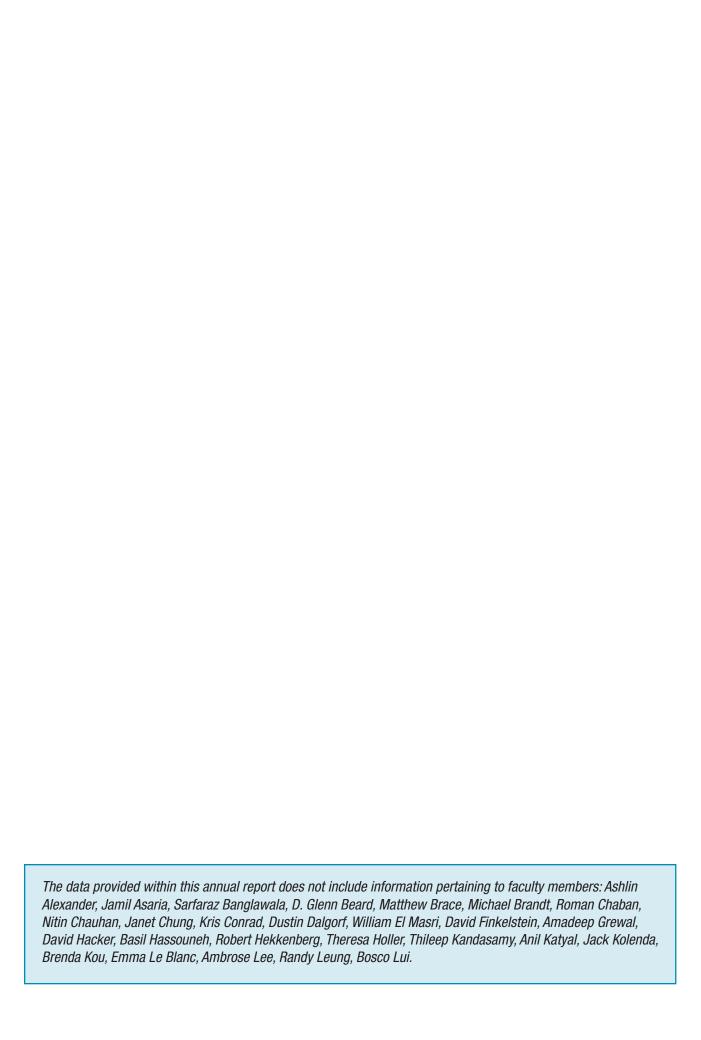
## WOLTER, N

Zahr S, Cottrell J, Propst E, Narang I, Amin R, Chiang J, Wolter NE. Complication Risk Factors for Children

with Trisomy 21 Undergoing Adenotonsillectomy. Medical Student Research Day 2020. Toronto, ON.

2020 Feb Zahr S, Cottrell J, Propst E, Narang I, Amin R, Chiang J, Wolter NE. Complication Risk Factors for Children

with Trisomy 21 Undergoing Adenotonsillectomy. Medical Student Research Day 2020. Toronto, ON.







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