OTOLARYNGOLOGY

HEAD & NECK SURGERY

ANNUAL B





21

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

Acknowledgements To: Sonia Valente Audrea Martin

Designed and Printed By:



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Department of Otolaryngology-Head & Neck Surgery

Professor and Chair

Vice-Chair Education & Director of Postgraduate Education

Assistant Program Director

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

Director, Sleep Medicine

Dr. lan J. Witterick

Dr. Paolo Campisi

Dr. Eric Monteiro

Dr. Allan Vescan

Dr. Brad Hubbard

Dr. John Lee

Dr. Yvonne Chan

Dr. Alain Dabdoub

Dr. Raymond Ng

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. Janet Chung (Interim)

Dr. Andres Gantous

Dr. Jennifer Anderson/

Dr. Yvonne Chan

Dr. Ralph Gilbert

Division Heads

Audiology

Facial Plastic and Reconstructive Surgery

Head and Neck Oncology and Reconstructive Surgery

Rhinology

Ms. Vicky Papaioannou

Dr. Andres Gantous

Dr. Jonathan Irish

Dr. John Lee

Committee Chair Holders

Executive

Undergraduate

Residency Program

Continuing Professional Development

Research

Department Appointments

Department Promotions

Budget Advisory

Community Academic Faculty

Advancement

Quality and Safety

Dr. lan J. Witterick

Dr. Allan Vescan

Dr. Paolo Campisi

Dr. Yvonne Chan

Dr. 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, excellence and diversity in otolaryngology - head & neck surgical practice, research and education.

Mission

We prepare otolaryngology - head & neck surgical leaders, contribute to our communities, and improve health locally and globally through discovery, innovation and the equitable application and dissemination of knowledge.

Values

Excellence - in achieving the highest standards of scholarship, critical thinking, clinical practice and outcomes in otolaryngology - head & neck surgery

Respect - for the diverse ideas, rights, beliefs and perspectives of all learners, faculty, staff and communities with whom we engage

Professionalism and Integrity - in our conduct, manner and practice

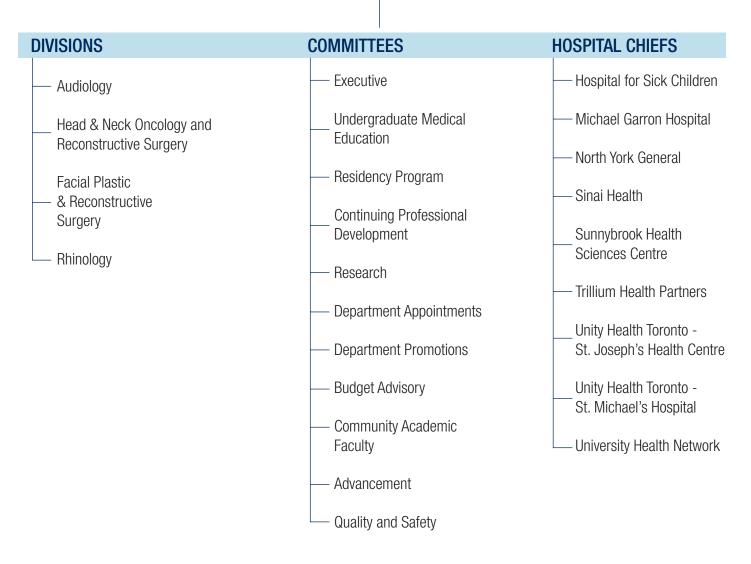
Equity and Inclusion - promoting the inherent dignity of every human being and the just distribution of resources, needs and access to the benefit of society

Collaboration - internally through our communities of practice and externally with our partner disciplines, professions and organizations



Organizational Structure







Chair's Report

We completed a new strategic plan for 2021–2024 titled Professionalism, Partnership & Equity: Transforming the Pathway to Academic Excellence. The report is available on our website and I am indebted to the strategic planning committee for their assistance and dedicated time and energy to complete this path forward. There were 5 strategic pillars created with goals set to help guide the department over the next 3 years. The pillars are: i) Equity, Diversity & Inclusion, ii) Professionalism & Respect, iii)

Education, iv) Research & Discovery and v) Partnership & Collaboration. Enabling strategies for the strategic pillars were outlined as well as implementation and measurement goals.

As part of the regular Royal College of Physicians and Surgeons of Canada (RCPSC) review process, our department underwent virtual review on November 23, 2020. The final accreditation report is exemplary and lists no weaknesses. This is the third consecutive RCPSC external review that has listed a large number of very positive aspects of our program and no weaknesses. The "Program Highlights" state the following which I think exemplifies the excellence of our PGME program:

"This is a stellar program where a culture of safety and continuous quality improvement (CQI) is an inherent part of the program and all training sites. The commitment to CQI allows rapid response to any challenges or concerns residents or other program participants may have. Residents benefit from a wide diversity of clinical exposure ranging from community practice to tertiary/quaternary care, allowing residents to experience the depth and [breadth] of the specialty. Faculty and leadership are very engaged in education. The program offers many rich and broad research opportunities leading to high scholarly output from faculty and learners. Residents also benefit from international fellowship trainees and a strong academic program with regular international visiting professors. The learning environment is positive and collegial. All of this is orchestrated by a very inspiring program director whose positive leadership is highly commended by residents and faculty; he is truly committed to education."

We were given the highest accreditation status possible and will undergo a regular accreditation review again in 2028. Our program was cited as demonstrating a leading practice and/or innovation by the Residency Accreditation Committee based on input received from the Specialty Committee. The citation reads as:

"The University of Toronto developed the OtoSIM device and software, and its implementation in undergraduate and postgraduate education is innovative and notable."

I was honoured to serve as President of the Canadian Society of Otolaryngology - Head & Neck Surgery (CS0-HNS) during the 74th Annual Meeting virtually held from September 26 to November 14, 2020. There were a variety of panels, paper sessions and courses with many organized by our faculty. *Lifetime Achievement Award's* were given to Dr. Dale Brown and Dr. Julian Nedzelski.

Faculty

Congratulations to Dr. Jun Lin who was successful in passing her probationary review on May 12, 2021. New adjunct clinical faculty appointments were recommended for Dr. Horace Cheng at the rank of Lecturer and

Dr. Pia Pace–Asciak at the rank of Assistant Professor. New Status Only faculty appointments were recommended for Dario Coleta, Laurel Palmer and Maria Simone.

I would like to thank Dr. Robert Harrison who has been a member of our Promotions Committee for the past 35 years and has chaired this committee for more than two decades. A warm welcome to Dr. Karen Gordon as she takes over as chair of this most important committee. Dr. Alain Dabdoub continues as our departmental representative on the Decanal Promotions Committee.

Congratulations to Dr. Eric Monteiro who was promoted to Associate Professor and to Drs. Danny Enepekides, David Goldstein and Vincent Lin who were promoted to Full Professor, all effective as of July 1, 2021.

To help deliver the competency based medical education program, the department convened a selection committee of faculty, residents, fellows and university representative to hold interviews for the new position of Assistant Program Director. The Assistant Program Director is to serve as the Chair of the Competence Committee and champion new initiatives to improve the quality and quantity of resident evaluations, feedback and promotion decisions. Congratulations to Dr. Eric Monteiro who was selected to serve as the first Assistant Program Director.

After serving two terms as Otolaryngologist-in-Chief at St. Michael's Hospital/Unity Health, Dr. Jennifer Anderson has stepped down. Following an international search, Dr. Yvonne Chan was selected by a Unity Health Committee to serve as the next Otolaryngologist-in-Chief effective April 1, 2021. Thank you to Dr. Anderson for her years of service and congratulations to Dr. Yvonne Chan. Dr. Janet Chung has stepped in as the interim Chief, Division of Otolaryngology – Head & Neck Surgery (OHNS) at Trillium Health Partners.

Milestones

The most exciting news from the Faculty of Medicine was the \$250 million gift from James and Louise Temerty. This is the single largest gift in Canadian history which "will support discovery, collaboration, innovation, equity and student well-being across the University of Toronto's Faculty of Medicine and its affiliated hospital network, advancing its leadership as a global centre of excellence in human health and health care". In gratitude for this extraordinary benefaction, the University's Faculty of Medicine will be renamed to the *Temerty Faculty of Medicine*.

The University of Toronto's stellar reputation for research and teaching places it among the top schools in the world. U of T continues to be the highest-ranked Canadian university and ranked among the top 25 universities globally in the five most closely watched international rankings: Times Higher Education World University Rankings, QS World University Rankings, Shanghai Ranking Consultancy's Academic Ranking of World Universities, U.S. News & World Report's Best Global Universities and National Taiwan University World University Ranking.

In Memorium

Dr. Thomas David Briant (1930-2021) passed away on April 5, 2021, peacefully at home at The Briton House with his wife beside him, after several years of declining health. Dr. Briant was a "surgeon's surgeon" with vast experience in head & neck oncologic, endocrine, sinonasal, skull base and reconstructive procedures. He helped pioneer many approaches and techniques that we use today. He was a faculty member and Chief at St. Michael's Hospital and Wellesley Hospital and a leader in our department and specialty.

Dr. Simon McGrail (1931-2021) passed away on May 24, 2021, at home, a few days short of his 90th birthday. Dr. McGrail was a faculty member and Chief at Wellesley Hospital for years and will be remembered by a generation of residents as a gentleman, raconteur and a person of many talents and interests. All who worked with him will likely have a fond "Simon McGrail" story.

Our deepest appreciation, prayers and thoughts go out to these two giants in our department.

Education

The pandemic continued to have significant impacts on all aspects of our education delivery. Medical students across the country were unable to travel outside of their home university for electives. This changed the dynamics of the CaRMS interviews which were all virtual this year.

There were significant impacts on our ability to teach undergraduate medical education with a double cohort, reduced clinical training sites and limited hands-on experience. Many community sites were unable to accept medical students and some of the core teaching hospitals took on a greater number of clinical clerks for their OHNS experience. The Pre—clerkship Foundations years had a hybrid virtual/in person curriculum. Thank you to Dr. Allan Vescan, Director of our undergraduate medical education programs, ably assisted by Dr. Brad Hubbard (pre—clerkship) and Dr. John Lee (post—clerkship) for being nimble and helping to coordinate our efforts.

Dr. Paolo Campisi continues to excel our Program Director and Vice-Chair Education. There were 28 residents and 24 clinical and research fellows enrolled in our postgraduate training programs. We welcomed six remarkable PGY1s to the department on July 1, 2020: Drs. Alexander Gabinet-Equihua, Garret Horton, Marc Levin, Justine Philteos, Ahmed Saleem and Lily Wang. Congratulations to our graduating residents, Drs. Neil Arnstead, Peter Dixon, Christopher Hong and Florence Mok. Drs. Arnstead and Dixon were awarded COHNS Fund Fellowship Grants (\$25,000 each) from the CSO-HNS.

We welcomed new and returning fellows from across the globe who significantly enhanced our education and research programs. These were Drs. Michael Au (Canada), Ilyes Berania (Canada), Michael Blasco (United States), Donovan Eu (Singapore), Mirko Manojlovic Kolarski (Canada), Susannah Orzell (United States), Axel Sahovaler (Argentina), Tommaso Gualtieri (Italy), Wael Hasan (Ireland), Rodrigo Fernández Pellón García (Mexico), Ahmed Walaa Abousheleib (Egypt), Giriraj Sharma (United States), Islam Alzayadneh (Jordan), Tal Honigman (Israel), Anne-Sophie Prevost, Eran Glikson (Israel), Valerie Dahm (Austria), Justin Lui (Canada), Sasan Dabiri (Iran), Gabriela Vergara (Chile), Fatemeh Hassan Nia (Iran), Tom Brandstaetter (Israel), Priyanka Misale (India) and María Isabel Besserer Ichoa (Mexico).

The CaRMS interviews were held on March 19, 2021. We continue to have strong interest in our program and were very happy to match six remarkable medical students who will start in our program on July 1, 2021. These are Mandolin Bartling, Tian (Tanya) Chen, Elysia Grose, Ahmad Mirza, Amirpouyan (Pouyan) Namavarian and Gianluca Sampieri.

Dr. Florence Mok completed her term as Chief Resident on April 30, 2021. Thank you for your dedication and service to our residency program. Congratulations to Dr. Jennifer Siu who was elected by her peers as the Chief Resident effective May 1, 2021.

The virtual core lectures continued for our PGY2, 3 and 4 residents as well as a virtual fellowship preparation program and graduation ceremony.

Our virtual 29th Annual Percy Ireland Academic Day was another great success. We had an inspirational virtual Percy *Ireland Oration* by Visiting Professor, Dr. John Yoo (Dean, Schulich School of Medicine and Dentistry, Western University) titled "Mentorship, Menteeship and Committing to a Career in Surgery". Our *Guest of Honour* was Dr. Peter Adamson who gave a brilliant and well received presentation titled: "An Abstract for Life –My Personal Learning Project". On May 8, 2021, we limited the number of virtual research presentations to PGY2-4 residents and graduate students who did a spectacular job showcasing their research. Thank you to all other residents and graduate students who presented as well as their mentors.

Thank you to Drs. John de Almeida and Eric Monteiro who co-led our Journal Club which were interesting and well-attended. They are transitioning this important role over to Drs. Jun Lin and Nik Wolter.

Drs. Paolo Campisi and Vito Forte hosted the first national OtoSimTM mobile simulation session for junior residents across the country on Feb 11, 2021. We are very proud of these education innovators.

Drs. Campisi, Lin and Monteiro have taken over the Northern Ontario Outreach Program at the Sioux Lookout Meno Yan Win Health Centre from Dr. John Rutka with resident and fellow active involvement. Thank you to Dr. Rutka for his significant time and effort in running this program over many years.

We typically run multiple continuing professional development (CPD) courses throughout the year which have been curtailed because of the pandemic. Our Director of Continuing Education, Dr. Yvonne Chan ran very successful virtual programs on February 6, 2021 (Otolaryngology Update) and June 19, 2021 (Otolaryngologic Emergencies: Management Tips and Pearls). We had a large number of virtual visiting professors giving Grand Rounds throughout the academic year detailed in this report providing interesting content and perspectives on many different facets of OHNS.

Dr. Vincent Lin served as the Program Chair and Yvonne Chan as CPD/CE lead for the virtual CSO-HNS meeting held over 7 weeks in the fall of 2020. This meeting was viewed as a great success, both educationally and financially, for the CSO-HNS. Many of our faculty also continue to be involved with national and international societies in leadership roles dedicated to education and research.

Research

Our research efforts are led by Dr. Alain Dabdoub, Vice-Chair Research. The department continues to excel in research and during the 2020–2021 academic year, our faculty, residents and fellows published 217 peer-reviewed publications, 25 book chapters and 3 books. Our faculty gave 135 invited/visiting professor international lectures and 65 national lectures.

The department was able to fund two \$25,000 Research Awards this year. Through a competitive peer–review process, Drs. Jun Lin and Nik Wolter were selected to each receive one of these awards.

Congratulations to Drs. Christopher Noel and Justin Cottrell who each won research prizes at the 2020 Poliquin Resident's Research Competition as part of the CSO-HNS's annual meeting. Dr. Amr Hamour won honourable mention for his poster. Drs. Weining Yang and Christopher Noel were awarded 2020-21 Postgraduate Research Awards from the Joseph M. West Family Memorial Fund in the Temerty Faculty of Medicine.

The PGY2 research curriculum continues to be enhanced through review and feedback and a new series of educational lectures. Dr. Christopher Noel continues his PhD in the Institute of Health Policy, Management

and Evaluation at the University of Toronto and Clinical Investigator's Program supervised by Drs. Tony Eskander and Natalie Coburn. Dr. Justin Cottrell continues his Master's degree through the Massachusetts Institute of Technology.

Unfortunately we were not able to have the Annual Harry Barberian Dinner this academic year. The scholarship awards arising from these dinners have been a tremendous source of research "seed funding" for our residents, fellows and junior faculty totaling more than \$650,000 over the last many years.

There are numerous peer-reviewed research grants highlighted in this report but I would like to feature a \$3.2M Canadian Institutes of Health Research (CIHR) grant to Dr. John de Almeida to support a phase III randomized clinical trial for lymphatic mapping to guide treatment of the neck in oropharyngeal cancer. This is the first Canadian Cancer Trials Group in head and neck to receive National Cancer Institute approval. In addition to the CIHR Grant, this approval comes with additional funding (estimated in the range of \$3-4 M). Congratulations to Dr. de Almeida and his co-investigators.

Alumni

Given the pandemic, we are unable to hold our usual Alumni & Friends Dinner or alumni events at national and international OHNS meetings. Hopefully this can return when the pandemic settles.

Awards

Congratulations to all of our award winters detailed in this report. Some of the highlights include:

- The *Distinguished Alumnus* Award was awarded to Dr. David Goldfarb in recognition of having demonstrated an exceptional commitment and dedication to the practice and teaching of otolaryngology-head & neck surgery and whose professional ethical standards have been of the highest order.
- Dr. Danny Enepekides was the recipient of the Dr. William Dixon Sunnybrook Surgical Teaching Award, as a result of outstanding nomination letters from our residents.
- Dr. Karen Gordon was reappointed for a second 5-year term as the Cochlear Americas Chair in Auditory Development at The Hospital for Sick Children.
- Dr. Everton Gooden was the recipient of the 2021 Award for Excellence in Community-Based Teaching (Community Hospital) for extraordinary teaching at a community hospital recognizing his exemplary teaching skills, demonstrated ability to stimulate learners to think critically, analytically and independently, and commitment to the enhancement of the learner experience.
- Congratulations to our Education Coordinator, Andrea Donovan, for being selected as the winner of the 2021 Positive Achievement and Appreciation Certificate for QI/Innovation.

Administration

Our exceptional administrative team continues to work remotely: i) Safia Amin, Events and CBD Administrative Assistant, ii) Andrea Donovan, Education Co-ordinator, iii) Sonia Valente, Executive Assistant to the Chair and iv) Audrea Martin, Business Officer. A big thank you to all of them for keeping our university department running smoothly under less than ideal conditions.

Summary

Despite adverse conditions, our education and research endeavours continue to excel. Our department runs on the goodwill, tenacity and hard work of so many. I am indebted to our residents, fellows, faculty and administrative staff for their willingness to adjust to changing conditions in our clinical and academic lives. I am inspired by our department's co-operation and motivation to adapt and go "above and beyond". I look forward to the year ahead with optimism.

Respectfully submitted,

Ian Witterick MD

faculty

Faculty Members

Newest appointments denoted with an asterisk (*)

Professor and Chair

I.J. Witterick, MD, MSc, FRCSC

Professors Emeriti:

S.M. Abel. PhD

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

B.D. Birt, MB, FRCSC, FRCS

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.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

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

A. Dimitrijevic, PhD

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. 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. Ng, BSc, MD, PhD, FRCSC

M. Shah, MD, MPhil, FRCSC

J. Shahin, MD, FRCSC

D.B. Shipp, MA

P. Singh, MD, MSc, FRCSC

O. Smith, MD, FRCSC

P. Solomon, MD, FRCSC

A. Vescan, MD, MSc, FRCSC

J. Werger, MD, FRCSC

N. Wolter, MD, MSc, FRCSC

Lecturers:

J. Adamonis, MCISc

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
- E. LeBlanc, BSc, AuD
- A. Lee, MD, FRCSC
- R. Leung, MD, BSc, FRCSC
- B.T.M. Lui, MD, BSc, MSc, FRCSC
- L. MacDonald, MSc
- B. Marcarian, MD, FRCSC
- J. Mendelsohn, MBChB, FRCSC
- L. Minz, MD, FRCSC, FACS
- S. Morong, MD, MSc, FRCSC
- J. Naiberg, MD, FRCSC
- K. Nazarali, MD, FRCSC, FACS
- A. Oh, MD, BSc, FRCSC
- A. Osborn, MD, PhD
- M. Oyewumi, HBSc, MD, FRCSC
- X. Punthakee, MD, BSc, FRCSC
- R. Rival, MD, FRCSC
- 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
- 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
- E. Yu, MD, RCPSC, ABR, Medical Imaging
- G. Zadeh, MD, PhD, FRCSC, Surgery

Associate Professors:

- E.S. Bartlett, MPH, MD, Medical Imaging
- 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

Assistant Professors:

- J. Allegro, MSc, Speech Language Pathology
- 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

Toronto (Postgraduate MD).

2021

CHAN, Y 2021	Better Together Award, Trillium Health Partners. <i>In recognition of service during the COVID-19 pandemic.</i>
CHEPEHA, D 2020	Research Award. John W. Senders Award for Best Design, Faculty of Engineering, University of Toronto. Electropalatography with Programmable Integrated Circuits for Speech Rehabilitation (EPIC Speech).
DE ALMEIDA, J 2021	Best Overall Paper, Dalhousie Otolaryngology – Head & Neck Surgery Annual Research Day. Halifax, Nova Scotia, Canada. (Research Award). David Forner (Trainee). <i>Paper Title: Elective Neck Dissection versus PET/CT. Guided Therapy in Node Negative Early Oral Cancer: A Decision Model and Cost Utility Analysis.</i>
FREEMAN, J	Mount Sinai Hospital honoured Dr. Freeman for his years of dedicated service by establishing and endowing "The Jeremy Freeman Chair in Surgical Oncology" for the 100th anniversary of the founding of the hospital.
GOODEN, E 2021	Excellence in Community-Based Teaching Award (Community Hospital). Temerty Faculty of Medicine, University of Toronto.
HAZEN, M 2020 2020 2020	Certificate of Recognition for Clinical Education. The Hospital for Sick Children. Certificate of Recognition for Innovation. The Hospital for Sick Children. Certificate of Recognition for Innovation. Department of Communication Disorders. The Hospital for Sick Children.
PROPST, E 2021	Fellow, Triological Society. Thesis accepted February 2021. Inducted into Triological Society April 9, 2021.
WONG, A	

TORIC Top 5 Teacher Award. Department of Ophthalmology and Vision Sciences, University of

Leadership Activities

ADAMSON, P

2021-present Senior Advisor. International Federation of Facial Plastic Surgery Societies.
2020-present Senior Advisor. Nepalese Society of Facial Plastic and Reconstructive Surgery.

2019-present Senior Advisor. Facial Reconstructive Cosmetic Surgery India Trust.

2011-present Senior Advisor. Pan Asian Academy of Facial Plastic and Reconstructive Surgery.

1996-present President and Founder. Face the Future Foundation.

1989-present Advisor. Canadian Academy of Facial Plastic and Reconstructive Surgery.

American Academy of Facial Plastic and Reconstructive Surgery

2002-present Member. Howard W. Smith MD Legacy Society.

2007-present Member. Ethics Committee.

2016-present Mentor. AAFPRS Practitioner's Program.

2019-present Member. President's Ad Hoc Committee for Rhinoplasty Strategic Planning.

American Board of Facial Plastic and Reconstructive Surgery

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

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

1989-present Contributor. Oral examination protocols.

1996-present Trustee. Robert L. Simons Leadership Society.

2003-present Senior Advisor, Board of Directors.

2003-present Senior Examiner.

2003-present Member. Maintenance of Certification Working Group.

2016-present Trustee. The ABFPRS Diplomate Society.

European Board for Certification in Facial Plastic and Reconstructive Surgery

2012-present Senior Advisor. 2012-present Senior Examiner.

International Board for Certification in Facial Plastic and Reconstructive Surgery

2012-present President.

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.

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

2014-2020 Member. International Advisory Board, JAMA Facial Plastic Surgery.
2020-2021 Member. Editorial Board, Facial Plastic Surgery and Aesthetic Medicine.

Facial Plastic Surgery Clinics Advisory Board

2011-2020 Advisor.

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.

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.

2008-2021 Chief. Department of Otolaryngology-Head & Neck Surgery, Unity Health Toronto - St. Michael's

Hospital.

2005-2021 Member. Medical Advisory Committee.

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

BRADLEY, G

2020-present Review Editor. Frontiers in Oral Health – Oral Cancers section.

2018-2022 Councillor for North America. International Association of Oral and Maxillofacial Pathologists (IAOP).

Editorial Boards

2018-2021 Head and Neck Pathology.

2016-present Oral Diseases.

2014-present Oral & Maxillofacial Pathology Section.

2014-present Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology (0000 Journal).

BRANDT, M

2021-present Associate Editor. Facial Plastic & Reconstructive Surgery. Journal of Otolaryngology — Head &

Neck Surgery.

2019-present Scientific Co-Chair. Section of Facial Plastic & Reconstructive Surgery. International Federation of

Otolaryngology Societies (IFOS) Meeting, Vancouver, British Columbia, Canada.

CAMPISI, P

International Federation of ORL Specialties

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

Canadian Society of Otolaryngology-Head & Neck Surgery

2018-present Historian.

2012-present Chair. Pediatric Otolaryngology Study Group.
2016-present Chair. Program Directors Committee.
2013-present Member. Fellowship Committee.

Royal College of Physicians and Surgeons of Canada

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

University of Toronto

2020-present Member. Faculty Council Executive Committee. 2020-present Departmental Representative. Faculty Council.

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.

2018-2021 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

2021-present Associate Editor. Ear, Nose & Throat Journal.

2021-present Chief. Department of Otolaryngology-Head & Neck Surgery, Unity Health Toronto — St. Michael

Hospital.

2019-present Member. Diversity Advisory Council, Temerty Faculty of Medicine, University of Toronto. 2019-2021 Chief. Department of Otolaryngology-Head & Neck Surgery, Trillium Health Partners.

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

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

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

Toronto.

2010-present Associate Consulting Editor. Plural Publishing Inc.

American Academy of Otolaryngology Head and Neck Surgery

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

American Rhinologic Society

2020 Nominated for Chair, Women in Rhinology Section.

2019-present Member. Women in Rhinology Section Program Committee.

2015-present Member. Continuing Medical Education Committee.

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.

2018-present Member. Women in Otolaryngology Section.

Ontario Medical Association

2020-present Member, z296 Working Group.

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

Manuscript Reviewer

2020-present The Laryngoscope.

2019-present Canadian Medical Association Journal.
2014-present American Journal of Rhinology & Allergy.
2014-present International Forum of Rhinology & Allergy.
2012-present Journal of Otolaryngology-Head & Neck Surgery.

CHANG, M

2011-present Assessor. Out of Hospital Premises Inspection Program (OHPIP) College of Physicians and

Surgeons of Ontario.

2010-present Cancer Care Ontario Program — RVHS: Lead for Thyroid Cancer. 2010-present Peer Assessor. College of Physicians and Surgeons of Ontario.

Scarborough Health Network

2018-2020 Division Head. Otolaryngology-Head & Neck Surgery, Centenary Hospital.

2020-present Corporate Chief of Otolaryngology-Head & Neck Surgery.

2018-present Member. Medical Education Committee.

2018-present Member. Credentials Committee.

2018-present Otolaryngology Representative for Surgical Program Executive Committee, Centenary Hospital. 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.

Ontario Cochlear Implantation Program

1993-present Member.

Ministry of Health & Toronto Central LIHN

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

Sunnybrook and Women's College Health Sciences Centre

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

Sunnybrook Health Sciences Centre

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

Manuscript Reviewer

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

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

CHEPEHA, D

NIH-NCI Head and Neck Steering Committee

2020-present Member. Previously Untreated Locally Advanced Task Force.

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.

American Head and Neck Society

2018-present Member. Scientific Review Committee.

2018-present Member. Head and Neck Reconstruction Committee.

Canadian Society of Otolaryngology-Head & Neck Surgery

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.

CHIODO, A

Michael Garron Hospital

2020 Member, Search Committee for Chief of Surgery.

2014-2021 Chief. Department of Otolaryngology-Head & Neck Surgery.

2012-2021 Member. Medical Advisory Committee. 2012-2021 Member. Credentials Committee.

CHUNG, J

2021-present Interim Chief. Division of Otolaryngology-Head & Neck Surgery, Trillium Health Partners.

CUSHING, S

2021-present Program Committee: SENTAC Meeting. 2021. Phoenix, AZ.

American Society of Pediatric Otolaryngology

2020-2021 Program Committee Chair. 2018-2021 Program Committee.

Associate or Section Editing

2021-present International Journal of Pediatric Otorhinolaryngology.
2016-present Frontiers in Otorhinolaryngology-Head and Neck Surgery.

Hospital for Sick Children

2019-present Member. Peer Review Committee.

Editorial Boards

2010-present Otology & Neurotology.

Manuscript Reviewer

2021-present BMC-Pediatrics.

2020-present American Journal of Otolaryngology-Head and Neck Surgery.

2020-present Behavioral Sciences.

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

2019-present Journal of Clinical Medicine.

2018-present Archives of Otolaryngology and Rhinology.

2018-present BMC Pediatrics.

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

2018-present Journal of Audiology & Otology. 2018-present Journal of Otology & Rhinology. 2018-present Journal of Vestibular Research.

2018-present SciTechnol. 2017-present Clinical Genetics.

2017-present European Journal of Paediatric Neurology.

2017-present Journal of Otorhinolaryngology, Hearing and Balance.
2017-present Journal of the American Academy of Audiology.
2017-present International Archives of Otorhinolaryngology.

2016-present Neural Plasticity.

2015-present Audiology and Neurotology.

2015-present Croatian Review of Rehabilitation Research.
2015-present European Archives of Oto-Rhino-Laryngology.

2015-present International Journal of Audiology.
2015-present Otolaryngology-Head and Neck Surgery.

2014-present Pediatrics.

2013-present Cochlear Implants International.

2013-present Ear and Hearing. 2013-present The Laryngoscope.

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

2012-present PLoS ONE.

2011-present International Journal of Pediatric Otorhinolaryngology.

DABDOUB, A

2019-present	Vice-Chair, Research, Department of Otolaryngology-Head & Neck Surgery, Temerty Faculty of

Medicine, University of Toronto.

2019-2021 Member. Decanal Promotions Committee, Temerty Faculty of Medicine, University of Toronto.

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 ALIMEIDA, J	
2021-present	Clinical Informaticist. EPIC Health Information System MD Champion, University Health Network.
2020-present	Member. Health Information System MD Champion, University Health Network.
2020-present	Member. Surgical Sub-committee. Head and Neck Cancer International Group.
2020-present	Reviewer. Canadian Institute for Health Research.
2020-present	Member, American Head and Neck Society Skull Base Section Committee.
2019-2022	Member. Practice Guidelines & Position Statements Service, American Head and Neck Society.
2019-present	Member. Value and Quality Committee, 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.
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.
	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
2017-2021	Surgery. Co-director. Journal Club, Department of Otolaryngology Head and Neck Surgery, University of
2017-2021	Toronto.
2017-present	Member. Skull Base Symposium Organizing Committee. University of Toronto Diagnostic
·	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.
2015-present	Cancer Care Ontario-Disease Pathway Management for Oropharynx Cancer.
2013-present	Member. Robotics Committee. University Health Network.
2013-present	Director. Skull Base Tumour Board, Department of Otolaryngology-Head & Neck Surgery,

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.

University of Toronto.

ENEPEKIDES, D

2018-present Chair. Quality and Safety Committee, Canadian Society of Otolaryngology-Head & Neck Surgery.

2019-present Member. Faculty Council, Temerty Faculty of Medicine, University of Toronto.

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

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

2014-present Regional Lead (Toronto Central North), Surgical Oncology. Cancer Care Ontario/Ontario Health.
2014-present Chief. Division of Surgical Oncology, Odette Cancer Centre, Sunnybrook Health Sciences Centre.

2011-present Member. Advanced Training Council Committee, American Head and Neck Society.

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

2020-present Collaborative Research Lead. Canadian Society of Otolaryngology-Head & Neck Surgery.

2019-2021 Member. Microvascular Committee. American Academy of Otolaryngology— Head & Neck Surgery.

2018-present Member. Odette Cancer Centre Palliative Care Advisory Committee.

2018-2021 Member. Publications and Awards Service-American Head and Neck Society.

2018-2020 Member. Head & Neck Surgery Education Committee-American Academy of Otolaryngology.

2017-2021 Member. Patient and Public Education Committee-American Head and Neck Society.

2017-2020 Co-chair. Collaborative Research Initiative. Canadian Society of Otolaryngology-Head & Neck

Society.

Journal and Grant Reviewer

2018-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 British Journal of Cancer.

2016-present Journal of Otolaryngology-Head & Neck Surgery (Head and Neck Oncology).

2016-present Oral Oncology.

2019-present Member, Editorial Boards, PLoS ONE (Academic Editor).

2018-present Member, Editorial Boards. Oral Oncology.

FALLS, C

2015-present Member. Clinical Learner Education Committee, University Health Network.

2015-present Member. Professional Advisory Committee, University Health Network.

GANTOUS, A

2021-present Secretary. International Board of Facial Plastic and Reconstructive Surgery Societies.

2019-present Head. Division of Facial Plastic and Reconstructive Surgery. Department of Otolaryngology-Head

& Neck Surgery. Temerty Faculty of Medicine, 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 2017-present	Treasurer. International Board of Facial Plastic and Reconstructive Surgery Societies. Canadian Academy of Facial Plastic and Reconstructive Surgery representative. International Board of Facial Plastic and Reconstructive Surgery Societies.
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	Member. Department of Surgery Executive, Lakeridge Health.
2018-present	Member. Editorial Board. Rhinology Online.
2020-present	Editorial Board Member. Rhinology Online.
2017-present	Reviewer. Journal of Otolaryngology-Head & Neck Surgery.
2017-2020	Member. Executive Committee, The Oshawa Clinic Group.
2016-present	OR Utilization Committee. Lakeridge Health.
2015-present	Editorial Board Member. Rhinology.
2015-present	Reviewer. Allergy.
2016-present	Member. OR Utilization Committee. Lakeridge Health.
2012-present	Reviewer. Rhinology.

GILBERT, R

2012-present	Chief. Department of Otolaryngology-Head & Neck Surgery, University Health Network.
2009-present	Member. Board of Trustees, University Health Network.
2003-present	Member. Planning Committee, Annual Wharton/Elia Day, with the Sullivan Lecturer, Department of
	Otolaryngology-Head & Neck Surgery, Princess Margaret Hospital.
2001-present	Member. Head and Neck Site Group, National Cancer Institute of Canada.
2001-present	Member. Management Council, Department of Surgical Oncology, Princess Margaret Hospital.
1991-present	Member. Practice Guidelines Initiative, Provincial Head and Neck Cancer Disease Site Group,
•	Cancer Care Ontario

GOLDSTEIN, D

2019-present 2019-present	Editorial Board. ENT Today, publication of the Triologic Society. Lead. Data and Clinical Trials Committee, Head and Neck Disease Site, Princess Margaret Cancer Centre.
2019-present 2019-present	Surgical Oncology Representative. Operating Room and Business Planning Committee. Lead. Head and Neck Surgical Oncology Robertson Foundation Clinical Trials
2019 propert	Program, Department of Otolaryngology-Head and Neck Surgery, University Health Network. Treasurer. Canadian Association of Head and Neck Surgical Oncology.
2018-present 2018-present	Site Lead. Endocrine Disease Site. Princess Margaret Cancer Centre, University Health Network.
2018-present 2018-present	Member. Princess Margaret Cancer Centre Operating Room Operations and Quality Committee. 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.

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

Network.

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

American Head and Neck Society

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

Member. Website Committee. 2018-present

2016-present Member. Committee for the Endocrine Section.

Member. Publications Committee. 2015-present

Manuscript Reviewer

2019-present The Laryngoscope. Oral Oncology. 2018-present 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. World Journal of Surgery. 2009-present

2007-present Canadian Medical Association Journal.

2007-present Head & Neck.

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

Otolaryngology Head and Neck Surgery. 2006-present

GOODEN, E

2021-present Chair. Nominations and Governance, NYGH Foundation Board.

2019-2021 Chair. Communication and Development Committee, NYGH Foundation Board.

Director. Face the Future Foundation. 2018-present

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

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

GORDON, K

2020-2023 Member. Program Committee, Association for Research in Otolaryngology.

The Hospital for Sick Children

2016-present Cochlear Americas Chair in Auditory Development.

2015-present Senior Scientist.

2014-present Inaugural holder. Bastable-Potts Health Clinician Scientist Award in Hearing Impairment

Institute of Medical Science

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

2020-present International Journal of Head and Neck Science.

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. 2000-present Head & Neck.

1993-present American Journal of Otolaryngology.

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.

HAZEN, M

2020-present	Drojoot Managar	OTO A cocco LII 9	EDIC Integration	. SickKids Hospital.
/U/U-ULESEIII	FIOIEGI MAHADEL	UTUACCESS DLO	CETO IIIIBULAIIOH.	. SIUKNIUS HUSUIIAI.

2019-2021 Audiologist. Cleft Lip & Palate Program. SickKids Hospital.

2019-present Coach/Monitor. College of Audiologists and Speech-Language Pathologists of Ontario.

2019-present Mentor. College of Speech and Language Pathologists of Ontario.

2019-present Supervisor. Kids2Hear. SickKids Hospital.
2019-present Member. Audiology. Circle of Cleft Professional.

2019-present Member. Audiology Working Group. City of Toronto Infant Hearing Program.

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	Executive Member. Fellowship Steering Committee, Advanced Triologic Training Council Fellowship Program, Division of Head and Neck Surgery, Department of Otolaryngology-Head and
2010 propert	Neck Surgery. Mamber Capeer Surgery OPD Working Croup (HNK)
2018-present 2018-present	Member. Cancer Surgery QBP Working Group (HNK). 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,
2010-pieseni	Department of Otolaryngology-Head & Neck Surgery, Temerty 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. Head and Neck Disease Site Group, Cancer Care Ontario.
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

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.

Otolaryngology-Head & Neck Surgery.

HOLLER, T

2013-present	Mambar MCall	laalth Calanaaa Edwaatian	Curriculum Committo	NANAgatar Haircaraitre
2013-present	Member, MSc H	lealth Sciences Education	. Gumculum Gommile	e. McMaster University.

IRISH, J	
2020-2022	Member. Head and Neck Surgery & Oncology Committee, American Academy of Otolaryngology-Head and Neck Surgery.
2020-2022 2020	Member. Nominations Committee. American Head and Neck Society. Member Eugene N. Myora International Lecture on Head and Neck Capacity Selection Committee.
2020	Member. Eugene N. Myers International Lecture on Head and Neck Cancer Selection Committee, American Academy of Otolaryngology-Head and Neck Surgery.

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.

2015-2022 Member. Council. American Head and Neck Society.

2011-present Director of Clinical Faculty. Core Lead - Guided Therapeutics, TECHNA, Institute, University Health

Network.

Cancer Care Ontario

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

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

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-present Member. Board of Directors.

Ontario Health

2020-present Provincial Clinical Head. Cancer Care Clinical Program and Quality Improvement, Clinical

Institutes and Quality Programs, Ontario Health (interim).

2020-present Member, Clinical Institutes and Quality Programs Executive.

2021-present Member, Provincial COVID-19 Recovery Table Steering Committee.

2021-present Member, Provincial Surgery and Diagnostic Imaging Recovery Advisory Panel.

Associate Editor

2010-present Head & Neck.

Manuscript Reviewer

2015-present Journal of Clinical Oncology.

2008-present Cancer.

2003-present The Laryngoscope. 2002-present Head & Neck.

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

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

2017-present Reviewer. CSO Otology papers.

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

LEBLANC, E

2021-present Section co-editor of ENT & Audiology News, Tech Review.
2019-present Chair of Client Services, DeafBlind Ontario Services.
2017-present Board Member, Deafblind Ontario Services.

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

LEE, J

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

2017-2020 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

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

Canada.

2015-present Section Chair. Development of Otology-Neurotology Choosing Wisely Canada Guidelines.

2019-present ATC Clinical Lead. Otolaryngology Surgery, Cancer Care Ontario.

2017-present Otology/Neurotology Expert Advisor. Health Technology Assessment. Health Quality Ontario.

2018-present Chair. Otolaryngology Section, Ontario Medical Association.

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.

Canadian Society of Otolaryngology-Head & Neck Surgery

2018-present Scientific Program Chair. Executive Committee.

2018-present Founding Member, Canadian Collaborative Research Initiative Core Group

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.

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, RJ

2014-present Faculty Member. Editorial Board. 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.

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 ORL, Journal for Oto-Rhino-Laryngology, Head & Neck Surgery

LIU, F-F

2012-present Chair. Department of Radiation Oncology, Temerty Faculty of Medicine, University of Toronto.

American Society for Radiation Oncology

2017-present Member. Finance/Audit Committee.

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

Chinese University of Hong Kong - NPC

2012-present Member. Advisory Board.

International Network for Training and Innovations in Therapeutic Radiation

2019-present Member. Advisory Board.

Israel Cancer Research Fund

2019-2024 Member. International Scientific Council (ISC).

2018 Chair, Translation Panel.

University of Pennsylvania

2012-present Member. Advisory Board; Research Training Program.

University Health Network

2021-present	Past Chair. Medical Advisory Board.
2018-2020	Chair. Medical Advisory Board.

2018-2021 Member. University Health Network (UHN) Hospital Board. 2018-2021 Member. UHN Board Committee on Safety & Quality.

2018-2021 Member. UHN Quality & Safety Committee.

MARTINO, R

2020-present	Member. International Inter-Professional	Committee. Dysphagia F	Research Society.

2019-2020 Advisory Expert. MBSS Consensus Panel Meeting, BRACCO.
2019-2020 Advisor. Leadership Meeting, Dysphagia Research Society.
2019-2020 Member. Scientific Program, Dysphagia Research Society.
2020-present Associate Member. American Head and Neck Society.
2018-present Member. College, Canadian Institutes of Health Research.
2016-present Scientific Faculty. American Head and Neck Society.

2013-present Associate Editor. Dysphagia Journal.

2012-present Associate Member, Canadian Centre for Applied Research in Cancer Control.

2007-present Member. Collaborative Program in Neuroscience, University of Toronto.

2007-present Member. Canadian Cancer Trials Group (CCTG) (previously National Cancer Institute of Canada) –

Head and Neck Site.

2004-present Member. Dysphagia Research Society.

University of Toronto

2020-present Member. EDI Committee, Dept of Speech Language Pathology.

2020-2021 Member. EDI Admissions for Professional Students. 2020-2021 Member. EDI Admissions for Research Students.

2019-present	Coordinator of Graduate Studies. Dept of Speech Language Pathology.
2019-2021	Member. POCC, Dept of Speech Language Pathology.
2019-2021	Member. Curriculum Review, Dept of Speech Language Pathology.
2018-2021	Member, Strategic Plan for Rehab, Rehabilitation Sciences Institute.
2018-2020	Chair. SGS Senate Defense, Rehabilitation Sciences Institute
2018-2020	Mentor. Junior Faculty, Dept of Otolaryngology - Head & Neck Surgery.
2018-2020	Reviewer. Decanal Promotions Committee B.
2018-2020	Assessor. Tenure Committee, School of Graduate Studies (SGS).
2016-2020	Member. Faculty Council Research Committee.
2016-present	Chair. Unit 6, Dept of Speech-Language Pathology.
2013-2020	Faculty Member. Life Sciences (Division IV), Graduate Academic Appeals Board, School of
	Graduate Studies.

MONTEIRO, E	
2020-present	Co-Chair. Sinai Health System Perioperative Quality and Safety Committee. Sinai Health System.
2020-present	Course Director. Certificate Course in Quality Improvement and Patient Safety. Centre for Quality 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 System NSQIP Working Group. Sinai Health.
2017-present	Member. Sinai Health System Quality of Care Committee. Sinai Health.
2017-present	Committee Member. Best Practices in General Surgery. Sinai Health.
2017-present	Committee Representative. Quality and Patient Safety and Sinai Health System. 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.
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.
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NA	ZAF	RAL	I, K
		.,	.,

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

NGAN, B-Y

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2018-present	Reviewer. The Pediatric Journal of Hematology Oncology.
1999-present	Member and Site Representative. Pathology Discipline, Children's Oncology group, CureSearch.
1999-present	Member. Cancer Trial Support Unit, Pharmaceutical Branch, National Institute of Health, National
	Cancer Institute.

PAPSIN, B

2020-present	Chair. Faculty Appeals Committee, Undergraduate Medical Program, Graduate Medical Program
·	and Medical Radiation Sciences. University of Toronto.
2013-present	Chief. Department of Otolaryngology-Head & Neck Surgery, The Hospital for Sick Children.
2011-2020	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

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-

2013-present Member. Multidisciplinary Tracheoesophageal Fistula Clinic.

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

Committee.

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).

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.

The Aerodigestive Society

2018-present Member. Strategic Committee.

Childhood Arthritis and Rheumatology Research

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

Society for Ear, Nose and Throat Advancement in Children

2019-2020 Member, Executive Committee.

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.

Vector Medical / Air Canada Jazz

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

RINGASH, J

European Organization for Research and Treatment of Cancer

2021-present Advisory Board Member. EORTC QOL Interpretation Guideline Development.

2019-present Member. SISAQOL-IMI: International Consortium to Optimize Analysis of QOL Data.

2016-present Member. CATAPULT: Pooled Longitudinal QOL Data Analysis.

2008-present Member. PROBE: Patient-reported Outcomes and Behavioural Evidence, International Advisory

Board.

National Cancer Institute

2020-2023 Member. Head and Neck Steering Committee.

Canadian Association of Radiation Oncologists

2019-2021 President Elect.

National Cancer Institute of Canada/Clinical Trials Group; NCIC-CTG; Canadian Cancer Trials Group

2015-2020 Member. Strategic Executive Advisory Council.

2006-present Co-Chair. QOL Committee.

2005-present Member. Quality of Life Committee.

2005-present Member. Gastrointestinal Site Group Executive Committee.

Cancer Care Ontario

2017-2020 Member. Gastrointestinal Cancer Advisory Committee.

2014-2020 Member. Gastrointestinal Disease Site Group, Programme in Evidence-Based Care.

The Princess Margaret Cancer Centre

2015-present Co-Lead, Faculty Mentorship, Radiation Medicine Program.

2012-present Member. Head and Neck Cancer Translational Research Executive Committee.

2011- present Medical Lead. Head and Neck Cancer Survivorship Programme.

SINGH, P

2020-present Member. National In-Training Exam Committee.

Scarborough Health Network

2020-present Medical Director of Quality.

2016-present Project Lead/Surgeon Champion. NSQIP Implementation Team.

VESCAN, A

2019-present DSO Committee Member. Mount Sinai Hospital.

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

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

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.

World Congress on Thyroid Cancer

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

Canadian Society of Otolaryngology-Head & Neck Surgery

2019-2021 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.

Royal College of Physicians and Surgeons of Canada

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

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.

Sinai Health System

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

2012-present Member. Medical Advisory Council.

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

2020-2021 Working Group Member. Harassment, Discrimination, Intimidation Group. Department of

Otolaryngology-Head & Neck Surgery Strategic Planning.

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

for Sick Children.

2019-present Board Member. University of Toronto Board of Examiners, Undergraduate medical Education

Program.

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.

2008-present MD Admissions File Reviewer. Undergraduate Medical Education. Temerty 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.

WONG, A

2003-present Member. Fellows Selection Committee, Department of Ophthalmology and Vision Sciences,

Hospital for Sick Children.

2002-present Member. Research Committee, Department of Ophthalmology and Vision Sciences, University of

Toronto.

ZIRKLE, M

St Michael's Hospital

2019-present Member. Collaborative Working Group Steering Committee.

2015-present Member. Collaborative Learning Working Group.

2010-present Committee Member. Education Council.

2010-present Committee Member. Interprofessional Education.

MD Program, University of Toronto

2020 Member. Steering Committee Covid Clerkship. 2018-present Co-chair. Clerkship Renewal Steering Group.

2016-present Member. Executive Council, Centre for Faculty Development 2013-present Member Longitudinal Integrated Clerkship Working Group

2010-present Member. Undergraduate Medical Education, Executive Committee.
2010-present Chair. Undergraduate Medical Education, Academy Director Committee.
2010-present Member. Undergraduate Medical Education, Clerkship Committee.

Manuscript Reviewer

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

2006-present Otolaryngology-Head and Neck Surgery.

Research Grants and Contracts

CAMPISI, P	
2021	Co-Investigator. Advanced Fetal Diagnosis and Therapy Program. Canada Foundation for Innovation. J. Drake (Co-Lead), T. Van Mieghem (Co-Lead), M. Seed (clinical), P. Campisi (clinical), G. Ryan (clinical), C. Macgowan (imaging), D. Sussman (imaging), L. Kahrs (imaging), A. Waspe (therapy), T. Looi (therapy). Federal component \$2,845,545 CAD.
2021	Co-Investigator. Creation of an Evidence Map for the Perioperative Management of Tonsillectomy in Children by a Systematic Review of Current Clinical Practice Guidelines. Department of Anesthesia and Pain Medicine Outcomes Research Award. K. Aoyama, M.A. Petre, P. Campisi, L. Ameye. \$10,000 CAD; and Hospital for Sick Children Perioperative Services Summer Studentship Award. \$3,000 CAD.
CHEPEHA, D	
2021-present	Co-Investigator. SPECT-CT Guided Elective Contralateral Neck Treatment in Lateralized Oropharyngeal Cancer (SELECT): A phase III randomized controlled trial. \$3,203,435 CAD.
2019-present	Principal Investigator. Harry Barberian Grant: Mapping the Microbiome in Oral Cavity Squamous Cell Carcinoma. University Health Network. Department of Otolaryngology-Head and 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.
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.
CUSHING, S	
2019-2024	Co-Investigator. Genetic Disorder of Mucociliary Clearance. National Institute of Health. Nominated Principal Investigator: Davis S. Co-Principal Investigators: Leigh M, Dell S, Ferkol T, Knowles, M, Krischer J, Milla C, Rosenfeld M, Sagel S, Shapiro A. \$6,249,996.000 USD.
2015-2020	Collaborator. Overt Responses During Covert Orienting; Novel Biomarkers for the Oculomotor System in Health and Disease. Canadian Institutes of Health Research. Pl: Corneil, Brian. Collaborator(s): Cushing, Sharon. \$739,381 CAD.

DABDOUB, A

2020-25 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. \$165,000 CAD.

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2020-21	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.
2018-21	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 Fund. Department of Otolaryngology-Head & Neck Surgery, University of Toronto. \$10,000 CAD.
2019-present	Co-Investigator. Intratympanic N-Acetylcysteine (NAC) Injections for Prevention of Cisplatin-Induced Ototoxicity in Head and Neck Cancer Patients: Double-blinded Phase II Randomized Controlled Trial. LRCP Catalyst Grants for Cancer Research and Training Program. PI: Anthony Nichols. Co-Investigators: Sumit Agrawal. Award: \$30,000 CAD.
2018-present	Co-Investigator. Oral and Intestinal Microbiome Profiling in Intermediate Risk Locally Advanced Head and Neck Squamous Cell Carcinoma Patients Receiving Chemoradiotherapy and Immunoradiotherapy. CCS Innovation Grant. Pl: Anna Spreafico. Co-investigators: Lillian Siu, Bryan Coburn, John Waldron, John Hilton, Wei Xu, Wendy Parulekar, David Guttman. \$200,000 CAD.
ENEPEKIDES, D	
2019-2025	Co-Investigator. Open Architecture Surgical Innovation Suite - OASIS: Creating an Informational and imaging Integrated Operating Room for the Next Generation of Surgery. Business Lead Networks of Centres of Excellence (BL-NCE): Refined Manufacturing Acceleration Process 2.0 (ReMAP 2.0) Principal Investigator: Victor Yang MD PhD. Awarded \$500,000 (total project value, \$1,500,000).
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. Co-Investigators: 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 Investigators: Drs. Danny Enepekides and Antoine Eskander Co-Investigators: 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.

2018-2023

Collaborator. Multi-modality Optical Imaging Advancement and Integration in a Neurosurgical Experimental Operating Room. Ontario Research Fund: Research Excellence Round 9. Principal Investigator: Victor Yang MD PhD. Awarded \$1,578,153 (total project value: \$5,244,898 CAD).

ESKANDER, A

2021-2029

Co-Investigator. SPECT-CT Guided ELEctive Contralateral Neck Treatment (SELECT) for Patients with Lateralized Oropharyngeal Cancer: A Phase III Randomized Controlled Trial. CIHR Project Grant. Principal Investigators: Wendy Parulekar, John de Almeida, Ali Hosni Abdalaty. Co-Investigators: Houda Bahig, Mathieu Belzile, Bingshu Chen, Douglas Chepeha, Apostolos Christopoulos, Antoine Eskander, John Hilton, Murray Krahn, Stephen Lai, Rosemary Martino, Mihir Patel, Eitan Prisman, Jolie Ringash, John Waldron, Han Zhang. Collaborators: Nathalie Audet, Vincent Biron, Christopher Chin, Jennifer Cicci, Natasha Cohen, Thomas Galloway, Stephanie Johnson-Obaseki, Mathieu Leclerc, Danielle MacNeil, Larry Marshall, Caitlin McMullen, Eric Monteiro, Farah Naz, Matthew Old, Rathan Subramaniam. \$3,200,000 CAD.

2021-2023

Co-Principal Investigator. Harnessing Patient-reported Outcomes to Support Psychological Distress After a Cancer Diagnosis. Sunnybrook AFP Innovation Fund Operating Grant. Co-Principal Investigator: Elie Isenberg-Grzeda Co-Investigators. Julie Hallet, Julie Deleemans, Stephanie Mason, Lesley Gotlib Conn, Janet Ellis, Simon Vigod, Zain Husain, Rinku Sutradhar, Barbara Haas, Alyson Mahar, Nicole Look-Hong, Natalie Coburn, Craig Earle, Karen Fergus, Kiersty Hong, Christopher Noel, \$98,276.34 CAD.

2021-2023

Co-Investigator. A Multicentre Randomized Phase Trial II of the Efficacy of Sodium Thiosulfate (STS) and Mannitol in Reducing Ototoxicity in Adult Patients Receiving Cisplatin Chemotherapy with Curative Intent. Sunnybrook AFP Innovation Fund Operating Grant. Principal Investigator: Trung N. Le. Co-Investigators: Antoine Eskander, Danny Enepekides, Kevin Higgins, Vincent Lin, Joseph Chen, Geoffrey Liu, Rena Buckstein. \$99,317.92 CAD.

2021-2022

Co-Investigator. An Umbrella Review of Prehabilitation Interventions in Surgery to Inform Policy and Practice. CIHR Project Grant. Principal Investigators: Daniel McIsaac, Laura Boland, Brian Hutton, Marlyn Gill. Co-Investigators: Sylvie Aucoin, Franco Carli, Sascha Davis, Antoine Eskander, Dean Fergusson, Julio Fiore Jr, Alan Forester, Chelsia Gillis, Alexa Grudzinski, Rachel Khadaroo, Manoj Lalu, Guillaume Martel, Colin McCartney, Husein Moloo, Julie Nantel, Stephane Poitras, Celena Scheede-Bergdahl, Monica Taljaard, Duminda Wijeysundera. \$103,275 CAD.

2020-2021

Principal Investigator. Cancer Surgery and COVID19: Infection Rate, Processes and Outcomes. Sunnybrook Foundation & Sunnybrook Research Institute COVID-19 Research Initiative. Co-Principal Investigator: Rinku Sutradhar. Co-Investigators: Julie Hallet, Natalie Coburn, Nicole Look-Hong, Simron Singh, Jonathan Irish, Monika Krzyzanowska, Craig Earle, Lauren Lapointe-Shaw, Danny Enepekides, Antonio Finelli, David Urbach, Alexander Louie, Alyson Mahar, Timothy Hanna, lan Witterick. \$106,380 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: Kelvin

Chan. Co-Investigators: Matthew Cheung, Antoine Eskander, Ambika Parmar, Michael Raphael, Simron Singh, Jonathan Irish, Monika Krzyzanowska, Robin Macleod, Lauren Lapointe-Shaw, Steven Habbous. \$69.660 CAD.

2020-2023

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-Investigators: 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.

2021-2023

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 Investigators: Drs. Antoine Eskander and Danny Enepekides. Co-Investigators: 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. A Feasibility Trial of Lymphatic Mapping with SPECT-CT for Evaluating Contralateral Disease in Lateralized Oropharynx Cancer. Harry Barberian Scholarship Fund. Collaborators: Eric Monteiro, David Goldstein, Antoine Eskander. Principal Investigator: John de Almeida. \$10,000 CAD.

2020-2020

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

2019-2022

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

GOLDSTEIN, D

2020-2025

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

Co-Investigator. A Feasibility Trial of Lymphatic Mapping with SPECT-CT for Evaluating Contralateral Disease in Lateralized Oropharynx Cancer. Pl: Dr. John de Almeida, Co-investigators: David Goldstein, Eric Monteiro, Antoine Eskander. \$10,000 CAD.
 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.
 Co-Principal Investigator. Active Surveillance or Surgery for Primary Management of Very Low

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. Co-Primary Investigator: Sawka A; Co-Applicants: Baxter N, Ghai S, Tomlinson G, Gafni A, Jones J. \$1,013,625 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.

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.

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(DRO) /Cancer Imaging Network of Ontario(CINO). 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	
2021-2022	Co-Investigator. Resumption of Surgery After the COVID-19 Pandemic: Evaluation and Recommendations Using Population-based Data. St. Michael's Hospital Foundation Research Investment Council Grant. Pl: D Gomez. \$190,000 CAD.
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. PI: 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. Pl: A Eskander. \$100,000 CAD.
2019-2021	Co-Principal Investigator. 3-D Fluorescence Imaging for Guidance of Head and Neck Cancer Surgery. The Raymond Ng and Wendy Chui Foundation for Innovation in OHNS Award. Co-PI: Michael Daly. \$200,000 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.
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.

LE, T				
2020–2021	Co-Investigator. Liquefaction: A Proof-of-Concept Adjuvant Strategy for Cholesteatoma Eradication. Harry Barberian Research scholarship. \$10,000 CAD.			
2019-2023	Co-Principal Investigator. Neurodegenerative Mechanisms by TrkC.T1 and p75 Receptors: Targe Validation and Rationale for Therapeutic Intervention. CIHR Project grant. \$1,361,700 CAD.			
2021-2023	Principal Investigator. Protective Effects of Sodium Thiosulfate and Mannitol Against Cisplatininduced Hearing Loss: A Phase II Randomized Controlled Trial. Sunnybrook AFP-IPOC grant. \$100,000 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 Fund. Pl: Sykes, Edward. \$10,000 CAD.			
2019-2024	Consultant. Role of Health Literacy and Alzheimer's Disease and Related Dementia in Older Adults with Hearing Loss. NIH. PI: McKee, Michael \$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 (CIHR). \$1,750,000 CAD.			
LIN, RJ				
2021-2022	Principal Investigator. Computer Vision 3D Reconstruction of Subglottic Stenosis from Monocular Endoscopic Video. Research Award. Department of Otolaryngology-Head & Neck Surgery, University of Toronto. Lueder Kahrs. \$25,000 CAD.			
2021-2023	Principal Investigator. Comparison of Transcriptomic Changes in Idiopathic Subglottic Stenosis & Normal respiratory Mucosa Using High Throughput RNA Sequencing. Academic Medical Organization of Southwestern Ontario (AMOSO) Innovation Funds. Nichols A. \$93.860 CAD.			
2021-2022	Principal Investigator. Comparison of Treatment Outcomes of Blue Light Laser and KTP Laser for Benign Vocal Fold Lesions: A Randomized Trial. SMH Association Innovation Funds. Anderson, J. \$15,800 CAD.			
LIU, F-F				
2021-2026	Principal Investigator. The Characterization and Therapeutic Targeting of Aberrant Metabolic and Inflammatory Signaling in Chronic Lymphedema. Project Grant, Canadian Institutes of Health Research (CIHR). Pl: Liu FF. Co-I(s): Kwan JYY, Haibe-Kains B, Reed MA, Haykal S, Yip K.			

\$971,550 CAD.

MARTINO, R	
2020-2021	Principal Investigator. Validation of an On-line Independent Training for TOR-BSST© Dysphagia Screeners. Heart and Stroke Foundation of Canada (HSFC) Bridge Grant. Co-investigator: L. Casaubon. \$40,000 CAD.
2019-2022	Co- Principal Investigator. Development and Validation of an On-line Independent Training Program for TOR-BSST© Dysphagia Screeners. Alternate Funding Plan Innovation Fund. Co-PI: L Casaubon \$143,781 CAD.

2019-2023 Principal Investigator. Creation of a TOR-BSST© eLearning Platform for Dysphagia Screeners. Canadian Institute of Health Research (CIHR) Planning and Dissemination Grant. Co-investigators: C. Arulvarathan, L. Casaubon, S. Darling, B Jenkins, K. Wingrove, \$20,000 CAD. 2018-2021 Co-Investigator. Efficacy of the Rehabilitation Planning Consult for Survivors of Head and Neck Cancer: A Phase II Randomized Controlled Trial. Canadian Cancer Society Research Institute, Innovation to Impact Grant. Pl: J. Ringash. Co-Investigators: A. Davis, L. Moody, K. Higgins, J. Jones, S. McEwen, \$450,000 CAD. 2018-2023 Co-Investigator. The Development and Validation of a Novel Tool for the Assessment of Bulbar Dysfunction in ALS. National Institutes of Health National Institutes of Deafness and Communications Disorders. Pl: Yunusova, Y. Co-Pl: Green JR. Co-investigators: Barnett-Tapia C, Berry J, Zinman L. \$2,276,390 USD. 2018-2023 Principal Investigator. Canada Research Chair (Tier II) in Swallowing Disorders. Canada Research Chairs. \$500,000 CAD. 2018-2024 Co-Principal Investigator. PRO-ACTIVE: Comparing the Effectiveness of PROphylACTic Swallow InterVEntion for Patients Receiving Radiotherapy for Head and Neck Cancer. Patient Centered Outcomes Research Institute. Co-PI: K. Hutcheson. Co-Investigators: S. Langmore, T. McCulloch, C. Lazarus, K. Thorpe, D. Fuller, J. Ringash, A. Hope, C. McDonald, M. Fitch, J. Theurer, D. Palma, K. Sultanem, K. Pvtvnia, \$8,509,931 USD. 2017-2020 Co-Investigator. Finding/Identifying Primaries with Neck Disease (FIND Trial): A Pilot Study Integrating Transoral Robotic Surgery, Histopathologic Localization, and Tailored De-intensification of Radiotherapy for Unknown Primary and Small Oropharyngeal Head and Neck Squamous Cell Carcinoma. Princess Margaret Cancer Foundation, Innovation Funds for Surgical Oncology. Pl. J de Almeida. Co-Investigators: J Kim, D Chepeha, SV Bratman, DP Goldstein, R Jang, E Yu, U Metser, I Weinreb, B Perez-Ordonez, W Xu. \$70,000 CAD. 2016-2020 Co-Investigator. Swallowing Substudy to 'A Randomized Phase II Trial for Patients with p16 Positive Non-smoking Associated, Locoregionally Advanced Oropharyngeal Cancer'. National Cancer Institute (USA). National Clinical Trials Network. Pl. S. Yom. Co-Investigators: M. Gillison, J. Caudell, M. Gibson, J. Waldron, P. Xia, C. Chung, M. Yao, C. Kong, R. Subramaniam, R. Jordan, Q. Zhang, M. Truong, L. Walters-Page, J. Rueter, V. Patel, J. Lewin. \$284,810 USD.

PAPSIN, B

2019-2024

Co-Investigator. Novel Treatment to Promote Spatial Hearing in Children Who are Deaf. Primary Investigator: Gordon KA, Co-investigators: Cushing SL; Collaborators: Scollie S, Papaioannou V, CIHR Project Grant. \$559,980 CAD.

PROPST, E				
2021	Co-Investigator. Dexamethasone as a Novel Treatment for Obstructive Sleep Apnea in Children. 2021 HSBC Catalyst Research Grant Competition. Collaborator(s): Indra Narang, Evan Propst, Theo Moraes, Nikolaus Wolter, Jill Hamilton, Anya Mclaren. \$50,000 CAD.			
2021	Co-Investigator. RNA-based Diagnostics for Pediatric Thyroid Cancer Treatment Stratification. Hospital for Sick Children Peri-Operative Services Facilitator Grant. Collaborator(s): Nikolaus Wolter, Jennifer Wolter, Evan Propst, Jonathan Wasserman. \$10,000 CAD.			
2021	Co-Investigator. Novel Targets in the PI3K and RAS Pathways for the Treatment of Lymphatic Malformations of the Head and Neck. University of Toronto Department of Otolaryngology-Head & Neck Surgery Research Grant. Collaborator(s): Nikolaus Wolter, Jennifer Wolter, Alexander Osborn, Evan Propst. \$25,000 CAD.			
2020	Co-Investigator. Total and microRNA-based Diagnostics for Pre- and Post-operative Treatment Stratification of Children and Adolescents with Thyroid Masses and Thyroid Carcinoma. Garron Family Cancer Centre, Pitblado. Collaborator(s): Jonathan Wasserman, Jennifer Wolter, Nikolaus Wolter, George Yousuf. \$56,799 CAD.			
RINGASH, J				
2020-2028	Co-Investigator. SPECT-CT Guided ELEctive Contralateral Neck Treatment (SELECT) for Patients with Lateralized Oropharyngeal Cancer: A Phase III Randomized Controlled Trial. Project Grant, Canadian Institutes of Health Research. PI(s): Parulekar WR, de Almeida JR, Hosni A. Co-I(s): Bahig H, Belzile M, Chen BE, Chepeha D, Christopoulos A, Eskander A, Hilton J, Krahn MD, Lai SY, Martino R, Patel MR, Prisman E, Ringash J, Waldron J, Zhang H. \$3,203,435 CAD.			
2020-2025	Co-Investigator. Canadian Cancer Rehabilitation (CanRehab) Team: Improving the Systematic Identification, Management, and Treatment of the Adverse Effects of Cancer. Survivorship Team Grant, Canadian Cancer Society-Canadian Institutes for Health Research (CCS-CIHR). PI(s): Jones J, Campbell K, langelier D, Reiman T, Greenland J. Co-I(s): Bender J, Bernstein L, Burnell M, Chang E, Chasen M, Garland S, Ghassemi M, Goulart J, Howell D, Ivers N, Kajanjian A, Koch A, Kukreti V, LeVasseur N, Milne RL, Li M, Lim H, McGowan E, McNeely M, McTaggart-Cowan H, Nadler M, Papadakos T, Peacock S, Quereshy F, Ringash J, Santa Mina D, Sehn L, Selby P, Sussman P, Thorpe K, Tran E, Xu W. \$2,498,056 CAD.			
2019-2020	Co-Investigator. Data Analysis Using Existing Databases and Cohorts- Cancer Prevention and Control management. Operating Grant, Canadian Institutes of Health Research (CIHR). Pl: Coburn N. Co-I(s): Compton N, Darling G, Davis L, Decker K, Gupta V, Hess K, Hsu A, Kidane B, Mahar A, Manuel D, Ringash J, Turner D. \$100,000 CAD.			

2018-2021

Co-Principal Investigator. Efficacy of the Rehabilitation Planning Consult for Survivors of Head and Neck Cancer: A Phase II Randomized Controlled Trial. Innovation to Impact Grants 2018, Canadian Cancer Society. PI(s): McEwen S, Ringash J. Co-I(s): Chang E, Davis A, Jones J, Martino R, Moody L. \$450,000 CAD.

Co-Investigator. PRO-ACTIVE: Comparing the Effectiveness of PROphylACTic Swallow InterVEntion for Patients Receiving Radiotherapy for Head and Neck Cancer. Patient Centered Outcomes Research Institute. Co-Pls: R. Martino, K. Hutcheson. Co-Investigators: S. Langmore, T. McCulloch, C. Lazarus, K. Thorpe, D. Fuller, J. Ringash, A. Hope, C. McDonald, M. Fitch, J. Theurer, D. Palma,

K. Sultanem, K. Pytynia. \$8,509,931 USD.

2017-2022 Co-Investigator. Canadian Cancer Trials Group - CCS Major Programme. Canadian Cancer Society

- Research Institute. PI: Dancey J. Co-I(s): Shepherd L, Eisenhauer E, Seymour L, Parulekar W, O'Callaghan C, Tu D, Ding K, Chapman JA, Chen B, Squire J, Dancey J, Bradbury P, Richardson H, Mason W, Oza A, O'Sullivan B, Gilbert R, Crump M, Wong R, Tsao MS, Ringash J, Leighl N, Gelmon K, Chi K, Whelan T, Hirte H, Jonker D, Goss G, Ung Y, Petrella T, Mittmann N, Stuart G,

Saad F, Couban S, Spatz A, Bramwell V, Brundage M. \$23,500,000 CAD.

2016-2020 Collaborator. Cancer Clinical Trials Pooling of Quality Life Data (CATAPULT) Initiative. EORTC

Quality of Life Group Grant. Pls: Bottomley, Andrew and Fletchner, Hennig. 300,000 Euro.

WOLTER, N

2021-2022 Principal Investigator. RNA-based Diagnostics for Pediatric Thyroid Cancer Treatment

Stratification. Hospital for Sick Children Peri-operative Services Facilitator Grant. Applicant: Nikolaus E. Wolter. Collaborators: Jennifer K. Wolter, Evan J. Propst, Jonathan Wasserman.

\$10,000 CAD.

2021-2022 Principal Investigator. Novel Targets in the PI3K and RAS Pathways for the Treatment of Lymphatic

Malformations of the Head and Neck. University of Toronto Department of Otolaryngology-Head & Neck Surgery Research Grant. Applicant: Nikolaus E. Wolter. Collaborators: Jennifer K. Wolter,

Alexander J. Osborn. \$25,000 CAD.

2020-2021 Co-Investigator. Total and microRNA-based Diagnostics for Pre- and Post-operative Treatment

Stratification of Children and Adolescents with Thyroid Masses and Thyroid Carcinoma. Pitblado Discovery grant. Collaborators: Jonathan Wasserman, Nikolaus E Wolter, Evan Propst, George

Youseff, Jennifer Wolter. \$56,799 CAD.

WONG, A

2019 Feb - 2021 July

Principal Investigator. The Efficacy of a Visual Screening Program to Reduce Later Amblyopia and Untreated Refractive Errors. Physicians' Services Incorporated Foundation. Co-Pl: Dr. Daphne Maurer. Co-applicants: Kevin Thorpe, and Helen Dimaras. \$192,000 CAD.



residents E fellows

Residents & Fellows

PGY 1
Alexander Gabinet-Equihua
Garret Horton
Marc Levin
Justine Philteos
Ahmed Saleem
Lily Wang

PGY 2
Fahad Aldhahri
Adam Kwinter
Chantal Li
Dongho (Brian) Shin
Edward Sykes
Grace Yi

PGY 3
Amr Hamour
Jong Wook (John) Lee
Christopher Noel
Vincent Wu
Weining Yang
Hedyeh Ziai

PGY 4
Justin Cottrell
Terence Fu
Daniel Lee
Shireen Samargandy
Jennifer Siu
Neil Verma

PGY 5 Neil Arnstead Peter Dixon Christopher Hong Florence Mok

























































Fellowship	Fellow	Country of Training	Mentor(s)
Head and Neck Surgical Oncology	Michael Au Ilyes Berania Michael Blasco Donovan Eu Mirko Manojlovic Kolarski Susannah Orzell Axel Sahovaler	Canada Canada United States Singapore Canada United States Argentina	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	Tommaso Gualtieri Wael Hasan	Italy Ireland	University Health Network: Drs. Ralph Gilbert, Jonathan Irish
Facial Plastic & Reconstructive Surgery	Rodrigo Fernández Pellón García	Mexico	Dr. Andres Gantous
Facial Plastic & Reconstructive Surgery	Ahmed Walaa Abousheleib	Egypt	Dr. Oakley Smith
Facial Plastic & Reconstructive Surgery	Giriraj Sharma	United States	Dr. Jamil Asaria
Facial Plastic & Reconstructive Surgery	Islam Alzayadneh	Jordan	Drs. Philip Solomon and Richard Rival
Paediatric Otolaryngology	Tal Honigman Anne-Sophie Prevost	Israel Canada	Hospital for Sick Children: Drs. Paolo Campisi, Sharon Cushing, Adrian James, Blake Papsin, Evan Propst, Nik Wolter
Rhinology, Skull Base and Head & Neck Oncology	Eran Glikson	Israel	Sinai Health: Drs. lan Witterick, Allan Vescan, Eric Monteiro
Otology Skull Base Surgery	Valerie Dahm Justin Lui	Austria Canada	Sunnybrook HSC: Drs. Joseph Chen, Vincent Lin
Medical & Surgical Otology/Neurotology	Sasan Dabiri Gabriela Vergara Fatemeh Hassan Nia Tom Brandstaetter Priyanka Misale	Iran Chile Iran Israel India	University Health Network: Dr. John Rutka Markham Stouffville Hospital: Drs. Jerry Halik, Ambrose Lee
Laryngology	María Isabel Besserer Ichoa	Mexico	St. Michael's Hospital: Dr. Jennifer Anderson



departmental awards

Departmental Awards Program

These awards were presented during the virtual graduation and awards ceremony held on Friday June 11, 2021.

Resident Awards



Dr. Jong Wook (John) Lee (PGY3) received the *Freda Noyek Otolaryngology Merit Award* - In recognition of special commitment to patient care and/or academic achievement.



Dr. Vincent Wu (PGY3) *received The Shiley E.O. Pelausa Awards* - For demonstration of excellent clinical work by a PGY3.



Dr. Justin Cottrell (PGY4) *received the Dr. Ian Witterick Excellence in Mentorship Award* – For demonstration of excellence in one or more of the following areas: research, education, mentorship and/or innovation.



Dr. Edward Sykes (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 (PGY4) *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. Giriraj Sharma *received the Kris Conrad Merit Award in Facial Plastic Surgery* - For demonstrating achievements in the field of research, and perseverance in attaining the highest level of expertise in the performance of Facial Plastic Surgery.

Teaching Awards



Dr. Modupe Oyewumi *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. Neil Arnstead *received the Resident Teacher of the Year Awards* - Awarded to a PGY5 resident in our program who is judged to have been an outstanding teacher to other residents and medical students during their residency.



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



Dr. Joseph Chen *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. Eric Monteiro *received the Resident Advocate Award* - In recognition of an individual faculty member who particularly demonstrates commitment to advocacy in the residency program.

Research Awards



Dr. Justin Cottrell *received the Dr. Raymond H. W. Ng Graduate Award* - Awarded to a graduate student (international or domestic) enrolled in a (full-time or part-time) MSc program in the University of Toronto associated with the Department of Otolaryngology-Head & Neck Surgery. Special consideration is given, subject approval of the committee, to a candidate who wishes to carry out his/her academic commitment at an institution other than University of Toronto.



Dr. Christopher Noel *received the Dr. Raymond H. W. Ng PhD Awards* - Awarded to a graduate student (international or domestic) enrolled in a PhD program (full-time or part-time) in the University of Toronto associated with the Department of Otolaryngology-Head & Neck Surgery.



percy ireland academic day

29th Annual Percy Ireland Academic Day

Friday May 7-8, 2021

The Department of Otolaryngology-Head & Neck Surgery held its 29th Annual Percy Ireland Academic Day virtually on May 7-8, 2021.



Visiting Professor **Dr. John Yoo** (Dean, Schulich School of Medicine and Dentistry, Western University) delivered *The Percy Ireland Oration on May 7, 2021 titled: "Mentorship, Menteeship and Committing to a Career in Surgery".*



Dr. Peter Adamson was our Guest of Honour (Professor, Department of Otolaryngology-Head & Neck Surgery, Temerty Faculty of Medicine, University of Toronto) delivered a presentation titled: "An Abstract for Life —My Personal Learning Project"

BEST PAPER IN EACH OF FOUR CATEGORIES

Recognition is given to one presenter in each category:



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

Awarded to Dr. Christopher Noel for his project: "Patient-Reported Symptom Burden as a Predictor of Emergency Department Use and Unplanned Hospitalization in Head and Neck Cancer: A Longitudinal Population-Based Study". Mentors: Drs. Tony Eskander & Natalie Coburn.





Category 2 - Work undertaken by PGY2 residents during clinical rotation: Awarded to Dr. Edward Sykes for his project: "Evaluation of Nanoparticle Ototoxicity". Mentors: Drs. Trung Le, Warren Chan, & Gang Zheng.

and to

Dr. Adam Kwinter for his project "Quantifying Cutaneous Neck Fibrosis: Development and Validation of a Patient Reported Outcome Measure". Mentor: Dr. David Goldstein.



Category 3 - Work undertaken by PGY3 residents during clinical rotation: Awarded to Dr. Hedyeh Ziai for her project: "Evaluation of Machine Learning, Statistical Predictive Tools, and the National Surgical Quality Improvement Program Surgical Risk Calculations for Predicting Hospital Length of Stay in Patients Undergoing Major Surgery for Oral Cavity Cancer". Mentor: Dr. John de Almeida.



Category 4 - Work undertaken by PGY4 residents during clinical rotation: Awarded to Dr. Jennifer Siu for her project: "Development of a Neural Network Model to Predict Long-Term Mortality in Patients Eligible for tracheostomy in the ICU". Mentor: Dr. Leo Celi.





Best Overall Presented Paper: Awarded to Drs. Amr Hamour and Jong Wook (John) Lee for their project: "Development of a Murine Model for Chronic Rhinosinusitis". Mentors: Drs. Allan Vescan, Eric Monteiro & John Lee.



departmental committees reports



Executive

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.



Undergraduate Medical Education

Dr. Allan Vescan (Chair)

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

Our Undergraduate Medical Education (UME) portfolio has experienced an ever-fluctuating environment full of stops and starts and double cohorts. The Pre-clerkship Foundations years are currently being delivered with a hybrid virtual/in person curriculum with 50 students in the classroom and gradual resumption of physical exam skills in person with small groups. 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 reorganization 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 2020-21 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 OtoSimTM/OphthoSimTM units to help deliver the clerkship seminar content remotely with virtual OtoSimTM sessions. This program began in August and September of 2020 and we are indebted to the contributions of Dr. Vito Forte and Dr. Paolo Campisi in making sure this novel virtual simulation program continues on its successful path.

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 they have been able to come back online to provide an improved environment for our learners. We are moving toward a clerkship redesign to be rolled out in the future on a date to be determined. 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-ordinators, Dr. John Lee, Dr. Brad Hubbard and Andrea Donovan for their tireless effort in the delivery of UME for our department.

I would like to also congratulate Dr. Dupe Oyewumi for receiving the *Alma Smitheringale Excellence in Undergraduate Teaching Award* this past year. Seeing our Community Academic Faculty recognized for their exceptional contributions is very gratifying.

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



Residency Program

Dr. Paolo Campisi (Chair)

The 2020-2021 academic year represented a full year of meeting the extraordinary challenges posed by the COVID-19 pandemic. The required public health restrictions continued to have an impact on all clinical, research, and educational activities within the postgraduate portfolio. The residency program was successful at adapting through various strategies such as the rapid pivot to an online/virtual curriculum for Core Teaching, Grand Rounds, Journal Club and other educational activities, the nimble redeployment of residents across teaching sites, adoption of telemedicine, advocacy for resident vaccination and maintenance of surgical training. These experiences have led to several innovations in education, collaboration and sharing of resources with other residency training programs and a leadership role in the interest and development of a national residency curriculum.

Highlight events such as Percy Ireland Day, the Departmental Graduation and Awards Ceremony and the Resident Retreat were held virtually. The Royal College examinations proceeded as scheduled but the written and applied components were both administered virtually, a first for the Royal College. In spite of these challenges, I am proud to report that the residents, fellows and faculty demonstrated incredible resilience and rapidly adjusted to resume most activities.

The 2020-2021 academic year represented the fourth year following the introduction of a Competency-Based Education residency curriculum. With this experience, our department

continues to provide important feedback to the Royal College Specialty Committee regarding CBME program evaluation. 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.

To effectively support the CBME program, the department appointed Dr. Eric Monteiro as the Assistant Program Director who would serve as the Chair of the Competence Committee and champion new initiatives to improve the quantity and quality of resident evaluations, resident feedback and promotion decisions. Congratulations Dr. Monteiro!

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.

A sincere thank you to all of the members of the RPC for their invaluable contributions:
Nik Wolter (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 & Resident Research Coordinator)

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

John de Almeida (University Health Network) Lily Wang (PGY1 representative) Fahad Aldhahri (PGY2 representative) John Lee (PGY3 representative) Daniel Lee (PGY4 representative) Florence Mok (PGY5 representative & Chief Resident)

Michael Au & Justin Lui (Fellow representatives)

A very special thank you to 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 28 residents and 24 clinical and research fellows enrolled in postgraduate training programs within our department. Dr. Florence Mok served as the Administrative Chief Resident and represented the interests of the residents diligently. Dr. Mok completed her term on April 30, 2021and Dr. Jennifer Siu was subsequently elected as incoming Chief Resident. Thank you to Florence and Jennifer for their excellent work on behalf of the residents.

Congratulations to Drs. Neil Arnstead, Peter Dixon, Christopher Hong and Florence Mok for completing their residency training. Neil and Peter have secured fellowship training positions in Rhinology, Skull Base, and Head & Neck Surgical Oncology (Neil) and Otology & Neurotology (Peter) programs. Christopher and Florence have initiated their practice in the community.

Resident Selection

The CaRMS selection process was held on Friday, March 19, 2021 using best practice guidelines.

The process included file reviews, traditional interviews, multiple-mini interviews (MMI). However, this was also the first time that the interviews were completed virtually as a result of the pandemic. The traditional interviews were conducted

by Drs. Paolo Campisi, Ian Witterick, Hedyeh Ziai and Daniel Lee. The MMIs were co-administered by faculty-resident teams: Drs. Eric Monteiro, Janet Chung, Amr Hamour, Vincent Wu and Drs. Vincent Lin, Yvonne Chan, Grace Yi, John Lee.

A virtual social event was organized by Dr. Chantal Li. 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. Amirpouyan (Pouyan) Namavarian and Gianluca Sampieri from the University of Toronto, Mandolin Bartling from Western University, Tian (Tanya) Chen from McGill University, and Elysia Grose from the University of Ottawa. The department also welcomed Ahmad Mirza as an International Medical Graduate from the Kingdom of Saudi Arabia.

Residency Curriculum

The Residency Core Curriculum continues to be provided over a 3-year cycle to residents in the PGY2-PGY4 years. In the 2020-2021 academic year, the core topics covered were Otology/Neurotology and Rhinology. Drs. Vincent Lin, Allan Vescan and John Lee served as leads for the series of lectures provided. The PGY1 residents attended weekly "Surgical Foundations" lectures throughout the year and a one-week "Prep Camp" in July prior to joining clinical rotations.

The PGY5 and PGY4 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 2020 and a specific PGY4 exam was held in June 2021. Once again, our residents performed very well on this examination. The faculty members have continued to provide an incredible number of exceptional clinical courses for the residents and fellows. A special thank you goes out to Drs. Andres Gantous, Ashlin Alexander and Michael Brandt for organizing the Soft Tissue Dissection and Rhinoplasty courses, Drs. John Lee & Allan Vescan

for the Endoscopic Sinus Surgery 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.

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 for the past few years. They have completed their terms as Journal Club leads and have transitioned this position into the capable hands of Drs. Jun Lin and Nik Wolter.

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 24 fellows enrolled in clinical and research training programs in our department for the 2020–2021 academic year.

Research

The PGY2 residents continue to participate in a 4-month research block under the supervision of various faculty members. During the 2020-2021 academic year, the research curriculum was updated by Dr. Alain Dabdoub and adjustments made to accommodate the new fall dates for the Royal College Examinations. Residents participated in a weekly curriculum to reinforce research concepts such as research design, ethics, presentations and statistical analysis.

Dr. Christopher Noel is continuing to work towards completing his PhD program within the Clinician Investigator Program under the supervision of Drs. Tony Eskander and Natalie Coburn.

Dr. Justin Cottrell is continuing his Master's degree at the Massachusetts Institute of Technology.

Unfortunately, the Annual Harry Barberian Memorial Dinner and Percy Ireland Dinner were cancelled due to the COVID-19 pandemic.

Research and Teaching Awards

- Dr. Neil Arnstead was recognized by his peers as the Resident Teacher of the Year.
- Dr. Justin Lui was recognized by the residents as the Fellow Teacher of the Year.
- Dr. Joseph Chen was recognized by the residents as the Faculty Teacher of the Year.
- Dr. Eric Monteiro was recognized with the Resident Advocacy Award.

Congratulations to Drs. Weining Yang & Christopher Noel for receiving the 2020 Postgraduate Research Award.



Continuing Professional Development

Dr. Yvonne Chan (Director)

Members: Paolo Campisi, Al Vescan, Ian Witterick.

Description

Our department has established a reputation of delivering world-class continuing education programs under the University of Toronto brand for community and academic otolaryngologists, otolaryngology trainees, as well as other allied health professionals. We are indebted to our entire faculty who volunteer their time and energy to organize the successful courses that are attended by otolaryngologists and health care professionals from around the world.

The CPD content is delivered through weekly Grand Rounds, visiting professors, named lectureships, interactive as well as hands-on skills courses. Course contents are developed through annual needs assessment and consultation with our residents, fellows, as well as community and academic physicians. We also continued 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.

Our grand rounds include presentations from visiting professors, guest lecturers, community and academic faculty, fellows, and residents. Our chair along with various education directors coordinate the rounds weekly on Friday mornings from 7:30-8:30 am during the academic year. In the past year, our inperson educational activities and grand rounds halted due to the COVID-19 pandemic that started a

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 visiting professors and guest lecturers enhance our overall educational mission by delivering the newest and most up to date knowledge and research to our faculty and trainees. Our faculty actively seek out and invite national and international leaders in our specialty to bring their expertise to Toronto (see list below). Through philanthropic donations, our department has established funding for annual named lectureships. These include the Binstock University of Toronto - Mount Sinai Hospital Lecture in Head & Neck Oncology, the Bulhoes Lecture, the David Tomlinson Lecture, the Elia Lecture, the Grimm Lecture, the Gullane/O'Neil Lecture, the Head & Neck Cancer Foundation Lecture, the Joseph K.H. Wong/Smile China Lecture, the Krista Riko Lecture, the Lance Connery Lectureship in Head & Neck Cancer, the Nalli Lecture and the Peter and Melanie Munk Lecture.

Our immensely popular interactive and hands-on skills courses are designed to be relevant to the practicing Canadian otolaryngologist-head & neck surgeon. The courses present basic to advanced concepts as well as new and emerging technology. Through unrestricted educational grants from industry support, we deliver our courses at a reduced fee in order to reach a broad audience. The Surgical Skills Centre at Sinai Health has been instrumental

in our ability to deliver high quality hands-on skill courses for both faculty and residents/fellows. Many of our CPD courses are held on an annual or biannual basis. The University of Toronto Otolaryngology Update is held in February each year sponsored by our Community Academic Faculty. This is the largest gathering of otolaryngologists in the country second to our national Canadian Society of Otolaryngology-HNS meeting by bringing 120-150 of our colleagues for lectures, panel discussions, and interactive video presentations. We endeavour to invite high quality and diverse speakers from all across Ontario/Quebec and now across Canada given its new virtual format in Feb 2021. We had a most successful virtual symposium on the management of otolaryngologic emergencies in June 2021 that engaged otolaryngologists from across the country.

In addition, our departmental faculty is actively engaged in the organization of national and international courses taking place virtually over the last year. The COVID-19 pandemic unfortunately

forced cancellation of the in-person annual meeting of the CSO-HNS in June 2020 and in conjunction with the CSO Scientific Program Chair Dr.Vincent Lin and the CPD Chair Dr.Yvonne Chan pivoted to a virtual meeting extravaganza that lasted 7 weeks with continued programing in Fall of 2020. Most recently in June 2021, the *World Congress on Thyroid Cancer 4.0* took place virtually under the leadership of Drs. Jeremy Freeman and Ian Witterick who were part of the Steering Committee for this series of successful conferences.

Our department continues to develop a culture of critical reflection on all aspects of learning and teaching to ensure feedback loops are closed and there is dissemination of best practice related to continuing education. 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.

Courses Organized

DATE(S)	COURSE TITLE (ORGANIZERS)	GUEST FACULTY/INVITED SPEAKERS
June 19, 2021	Otolaryngologic Emergencies: Management Tips and Pearls (Dr. Yvonne Chan)	Dr. Jodi Jones, Assistant Professor, University of Manitoba Dr. Tamara Mijovic, Assistant Professor, McGill University Dr. Dan O'Connell, Associate Professor, University of Alberta Dr. Andrew Thamboo, Clinical Assistant Professor, University of British Columbia

Courses organized continued...

DATE(S)	COURSE TITLE (ORGANIZERS)	GUEST FACULTY/INVITED SPEAKERS
February 6, 2021	Otolaryngology Update (Drs. Paolo Campisi & Yvonne Chan)	Dr. Simon Brisebois, Assistant Professor, Université de Sherbrooke Dr. Neil Chadha, Associate Professor, University of British Columbia Dr. Christopher Chin, Assistant Professor, Dalhousie University Dr. Andrea Darnbrough, Assistant Professor, University of Manitoba Dr. S. Hamilton, Kawartha Skin Cancer Dr. Amanda Hu, Associate Professor, University of British Columbia Dr. Jodi Jones, Assistant Professor, University of Manitoba Dr. Jane Lea, Associate Professor, University of British Columbia Dr. Danielle MacNeil, Assistant Professor, Western University Dr. Marilou Piché, Clinical Professor, Laval Université Dr. Kathryn Roth, Associate Professor, Western University Dr. Kristine Smith, Assistant Professor, University of Manitoba Dr. Mark Taylor, Professor Dalhousie University Dr. Jean-Phillipe Vaccani, Associate Professor, Director of Post Graduate Education, University of Ottawa Dr. Erin Wright, Professor, University of Alberta

Invited Professors/Invited Guests



June 18, 2021
Nidal Muhanna
Chairman, Department of Otolaryngology
Head & Neck Surgery
And Maxillofacial Surgery
Director, The Interdisciplinary Center for
Head & Neck Surgical Oncology
Tel Aviv Sourasky Medical Center
Sackler School of Medicine, Tel Aviv
University

First Year as a Chairman in Tel-Aviv in the COVOID-19 Era — Challenges and Obstacles

TITLE OF PRESENTATION



May 14, 2021 Oliver F. Adunka William H. Saunders MD Endowed Professor Professor & Vice Chair for Clinical **Operations** Director, Division of Otology, Neurotology, Cranial Base Surgery Department of Otolaryngology, Head & **Neck Surgery** The Ohio State University Wexner **Medical Center** Director of Pediatric Otology & Hearing Program Nationwide Children's Hospital

TITLE OF PRESENTATION

Real-Time Monitoring of Cochlear Function **During Cochlear Implantation**



April 23, 2021 Susan J. Mandel Chief, Division of Endocrinology, Diabetes and Metabolism Professor of Medicine Perelman School of Medicine, University of Pennsylvania

Thyroid Nodules 2021: What to Do in an Era of Multiple Diagnostic Options



April 16, 2021 Yael Bensoussan Laryngology Fellow, University of Southern California Voice Centre Master (MSc) System Leadership and Innovation - Candidate Institute of Health Policy, Management and Evaluation University of Toronto

Artificial Intelligence in Laryngology – When Humans and Robots Collaborate



April 9, 2021 Ivan El-Sayed Professor of Clinical Otolaryngology, Director of the Otolaryngology Minimally Invasive Skill Base Surgery Program and Department of Otolaryngology - Head &

University of California San Francisco

Neck Surgery.

Virtual Reality in Skull Base Surgery and Endoscopic Exposure of the Carotid Artery in the Infra Temporal Fossa

March 5, 2021

February 26, 2021



Anand K. Devaiah
Director, Biomedical and Health
Technology Development & Transfer
Domain
Boston University Institute for Health
System Innovation and Policy
Associate Professor
Department of Otolaryngology - Head
and Neck Surgery
Department of Neurological Surgery
Department of Ophthalmology
Chair, Electives Curriculum
Subcommittee
Boston University School of Medicine
Boston Medical Center

TITLE OF PRESENTATION

Innovation, Action, and Mindset Shifts to Embrace Social Determinants of Health



Hance Clarke
Staff Anesthesiologist
Medical Director of The Pain Research Unit
Department of Anesthesia and Pain
Management
Toronto General Hospital
University Health Network
Co-Chair Knowledge Translation, University
of Toronto Centre for the Study of Pain
Co-Lead, Centre for Cannabinoid
Therapeutics, University Health Network
Associate Professor, Department of
Anesthesia, University of Toronto

Perioperative Opioid Crisis Responsiveness: Improving Post-Surgical Pain Practices and Pain Medication Prescribing at Hospital Discharge



February 19, 2021
Daniel G. Deschler
Vice Chair for Academic Affairs
Massachusetts Eye and Ear Infirmary
Professor
Department of Otolaryngology-Head and
Neck Surgery
Harvard Medical School

Reflections on Parotid Surgery

TITLE OF PRESENTATION

February 12, 2021 Peter Goldberg

Associate Professor of Medicine, McGill University Associate Member, Department of Surgery, McGill University Head, Critical Care Program, adult sites, McGill University Health Center Site Director, Intensive Care Unit, Royal Victoria Hospital Attending Physician, Intensive Care Unit, Royal Victoria Hospital Research Director, Meakins-Christie Laboratories, McGill University Tracheotomy in COVID-19 Critically III Patients



Karen Kost

Professor of Otolaryngology – Head & Neck Surgery Director of the Voice and Dysphagia Lab Director of the McGill Laryngology Fellowship



Doron Sommer

Clinical Professor, Department of Surgery

– Otolaryngology/Head & Neck Surgery
Division, McMaster University Medical
Centre with Drs. Jennifer Anderson and
Taryn Davids



January 22, 2021 Frédéric Triponez

Head of Department, Thoracic and Endocrine Surgery Chairman, Department of Surgery University Hospitals of Geneva Geneva Switzerland Intraoperative Parathyroid Autofluorescence and Angiography with Indocyanine Green for the Detection and Preservation of Parathyroid Glands



January 8, 2021
Eric Kezirian
Professor and Vice Chair
USC Caruso Department of
Otolaryngology-Head & Neck Surgery
Keck School of Medicine of USC



The History and Future of Sleep Apnea Surgery
- From UPPP to Hypoglossal Nerve Stimulation and Beyond



Josie Xu
Sleep Surgery Fellow
USC Caruso Department of
Otolaryngology-Head & Neck Surgery
Keck School of Medicine of USC



December 11, 2020
Jana Lazor
Director of Faculty Development
Office of Faculty Development, MD
Program Sr. Integrated Scholar, Center
for Faculty Development Associate
Professor, Teaching Stream, Department
of Family and Community Medicine
Temerty Faculty of Medicine, University
of Toronto

Getting Great Outcomes: Teaching Small Groups in Synchronous Online Learning Environments (SOLE)



Susan Glover Takahashi
Director, Education & Research, PostMD
Education Integrated Senior Scholar
Centre for Faculty Development & Post
MD Education Lead, Faculty
Development—CBME Wilson Centre
Cross-Appointed Researcher
Associate Professor, Department of
Family and Community Medicine
Associate Professor, Dalla Lana School of
Public Health



December 4, 2020
Eric Wang
Associate Professor, Dept of
Otolaryngology, Neurological Surgery,
and Ophthalmology, University of
Pittsburgh School of Medicine

TITLE OF PRESENTATION

"Impossible" Places — Surgery of the Clivus and

Petrous Apex



November 27, 2020
Muhammad Mamdani
Vice President – Data Science and
Advanced Analytics at Unity Health
Toronto Odette Chair in Advanced
Analytics Faculty Affiliate – The Vector
Institute Director – University of Toronto
Faculty of Medicine Centre for Machine
Learning in Medicine Professor –
University of Toronto

Applied Artificial Intelligence in Healthcare



November 20, 2020 Marie Pigeon Audiologist, Children's Hospital of Eastern Ontario (Krista Riko Lecture)

Newborn Screening Ontario Hearing Loss Risk Factor Screening: Preliminary findings from the first year of screening



November 6, 2020 Marc Cohen Associate Professor of Otolaryngology, Weil Cornell Medical College

Evolution, Challenges, and Opportunities: Optimizing Outcomes in Sinonasal Malignancy and Anterior Skull Base Surgery



October 23, 2020
Jana Lazor
Director of Faculty Development
Office of Faculty Development, MD
Program Associate Professor,
Department of Family and Community
Medicine Faculty of Medicine, University
of Toronto



Tips for Virtual Supervision of Learners in OHNS



Rebecca Saunders

CBME Fac Devt Administrator

Post MD Education, Faculty of Medicine,
University of Toronto



Susan Glover Takahashi
Director, Education & Research, PostMD
Education Integrated Senior Scholar,
Centre for Faculty Development & Post
MD Education Lead, Faculty
Development—CBME Wilson Centre
Cross-Appointed Researcher Associate
Professor, Department of Family and
Community Medicine Associate
Professor, Dalla Lana School of Public
Health with Drs. Paolo Campisi, Al
Vescan and Neil Arnstead (PGY5), Daniel
Lee (PGY4)



October 16, 2020 Raj Sindwani Dept of Otolaryngology, Cleveland Clinic Main Campus

Endoscopic Surgery of the Orbit: Approaches to the Intraconal Space and Beyond

October 9, 2020
Martin Burton
Professor of Otolaryngology, University of Oxford

Reliable Evidence: Systematic Reviews and

TITLE OF PRESENTATION





September 18, 2020 Ilana J Halperin Assistant Professor Division of Endocrinology, Department of Medicine, University of Toronto

Virtual Care - Transformational Change in Practice: Short Term or Here to Stay?



Susan Glover Takahashi
Director, Education & Research, PostMD
Education Integrated Senior Scholar,
Centre for Faculty Development &
PostMD Education Lead, Faculty
Development— CBME Wilson Centre
Cross-Appointed Researcher
Associate Professor, Department of
Family and Community Medicine
Associate Professor, Dalla Lana School of
Public Health



Jana Lazor
Director of Faculty Development
Office of Faculty Development, MD
Program Associate Professor,
Department of Family and Community
Medicine Faculty of Medicine, University
of Toronto with Drs. Paolo Campisi and Al
Vescan



Research Committee

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).

Our vision is to have a diverse and inclusive worldclass research enterprise dedicated to discovery, research, education, and leadership to strengthen our research and impact in the field of otolaryngology – head & neck surgery.

The research in our department continues to thrive as measured by the number and impact of our publications, collaborations across our hospitals and across the world, innovation and discovery in basic, translations, and clinical research as well as increase in funding levels. This was clearly evident on Percy Ireland Day this year where resident, graduate student, fellow and postdoc research excellence was on display. The department continues to put every effort into supporting trainees and their research endeavors.

Three Year Research & Discovery Strategic Plan

We undertook this year developing a three-year research plan for the department currently available on our website. A core committee of Dr. Tony Eskander, Mike Daly and Dr. Chris Noel and cochaired by Dr. Sharon Cushing and myself put forward the initial plan and worked with members of the Research Committee and conducted internal and external consultations to put together a feasible

comprehensive plan with the following main goals:

- Pursue stable funding for research
- Support surgeon scientists, early to mid-career investigators, and trainees pursuing formal research degrees
- Reduce barriers to research collaboration
- Improve quality, impact and educational value of research training

PGY2 Research and Curriculum

Research proposals from our residents continue to be strong and improving. Thanks to Drs. Paolo Campisi and Vincent Lin for evaluating the proposals with me and providing the residents with critical feedback.

We completed the fourth year of the Research Curriculum for the PGY2 at the start of the research block. The reviews and feedback have been very good and steadily improving. Special thanks to Drs. John de Almeida, Andrew Dimitrijevic, Tony Eskander, Jun Lin, and Nik Wolter for their lectures and Andrea Donavan for organizing.

The Departmental Research Committee is comprised of faculty from our core hospitals representing clinical and basic research:

SickKids - Drs. Karen Gordon, Evan Propst and Nik Wolter.

Sinai Health - Dr. Al Vescan

St. Mike's - Drs. John Lee and Jun Lin

Sunnybrook Health Sciences - Drs. Andrew Dimitrijevic, Tony Eskander, Trung Le, and Vincent Lin.

University Health Network/PMH - Drs. Doug Chepeha and Mike Daly.

Resident representative: Dr. Peter Dixon ended his tenure this year and was replaced by Dr. Chris Noel.

The Research Committee also includes ex-officio members Drs. Ian Witterick and Paolo Campisi.

Looking forward to an even more productive year ahead and thank you for all your contributions.



Department Appointments Committee

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.

The faculty members who served on the committee for the 2020–2021 academic year were:

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

Approval of Full Faculty Probationary Term Review

On May 12, 2021, the DAC was unanimous in its recommendation to the chair that Dr. Jun Lin be recommended to pass her 3–5-year probationary review. Dr. Lin successfully passed her review and was recommended to transfer into a continuing university faculty appointment.

Approval and Recommendation of New Clinical Adjunct Faculty Appointments

Horace Cheng at the rank of Lecturer Pia Pace-Asciak at the rank of Assistant Professor

Approval and Recommendation of New Status Only Faculty Appointments

Dario Coletta at the rank of Lecturer Laurel Palmer at the rank of Lecturer Maria Simone at the rank of Lecturer

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, 2021, meeting. They were all approved for reappointment for another year.



Department Promotions Committee

Dr. Robert Harrison (Chair)

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

Academic 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 academic promotion are high.

Our departmental Promotions Committee membership has always reflected the full range of clinical sub-specialties and research interests in Otolaryngology-HNS. I would like to thank all of the 2020-21 committee members for their valuable assistance: Ralph Gilbert, Jon Irish, Karen Gordon, Blake Papsin, Paolo Campisi, Joe Chen, Doug Chepeha, Danny Enepekides, and Ian Witterick (ex officio).

This year we have the pleasure of seeing the successful promotion of four deserving colleagues. We congratulate Eric Monteiro for his promotion to Associate Professor. To the rank of Full Professor we congratulate Danny Enepekides, David Goldstein and Vincent Lin.

This has been my final year on the Promotions Committee. It has been a great privilege to be a member for the past 35 years and the committee chair since 2006. I have been "involved" in the promotion of almost every present member of our department, and thus familiar with almost all clinical, research and teaching activities of my colleagues. I am very pleased that our departmental chair has chosen Karen Gordon to chair the Promotions Committee into the future.

I am certain that the strong academic reputation of our department will continue on for years to come.



Budget Advisory Committee

Dr. I. Witterick (Chair)

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

The Budget Advisory Committee aids the Chair in appropriately monitoring and structuring the financial affairs of the department, particularly related to academic stipends. We strive to support new full-time faculty members at an enhanced level to create an environment that allows them to be academically productive. Faculty members understand as we continue to have challenges with our budget. We typically help support 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. With the pandemic, we were unable to hold our usual fund-raising dinners and CPD events so revenues from these areas were down. I want to thank all members of the Budget Advisory Committee for their help and advice. A special note of thanks to Ms. Audrea Martin, our Business Officer, who continues to manage our finances in a commendable way.



Community Academic Faculty

Dr. Yvonne Chan (Lead)

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 one-month rotation in Facial Plastic Surgery. In addition to residency training, world renowned fellowships in Facial Plastic Surgery are offered by Drs. Jamil Asaria, Oakley Smith, Dr. Andres Gantous, and Dr. Phil Solomon.

Our Community Academic Faculty is involved in Continuing Professional Development of practicing otolaryngologists. We were involved in the planning and sponsorship of the successful 19th Annual Otolaryngology Update in February 2021 held virtually this year due to the COVID-19 pandemic. Even given its new format, it was extremely well attended and highly rated by otolaryngologists across Ontario.

The *Distinguished Alumnus Award* this year was awarded to Dr. David Goldfarb.

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 Dr. Michael Roskies.



Quality and Safety Committee

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.

This past year has presented so many challenges. I would like to thank all our committee members for their tremendous commitment and contributions that continue to advance the departmental focus on quality and safety.

The committee chose to focus on opioid stewardship in 2020. In late 2020, a survey of all residents, fellows, and faculty was circulated and demonstrated a great deal of variability in our postoperative pain management practices and, most importantly, overwhelming support for the initiative. This was followed by our annual Quality and Safety Grand Round where Dr. Hance Clarke, from the University of Toronto Department of Anesthesiology and Pain Management, gave a wonderful talk titled "Perioperative opioid crisis responsiveness: Improving post-surgical pain practices and pain medication prescribing at hospital discharge". Finally, members of the Quality and Safety Committee (Drs. Lin, Monteiro, Shah, and Enepekides) organized the final grand rounds of the year and showcased work being conducted within the department to decrease opioid use following otologic and thyroid surgery and education on opioid alternatives for pain management following general otolaryngology surgical procedures. The material presented including standardized order sets will be included in the

departmental website's section on Quality and Safety which will be redesigned and enhanced over the summer. We hope that these efforts will effect positive change in all of our department's approach to pain management.

This past year will always be remembered for the COVID-19 pandemic which was the cause of so much pain and suffering for so many. It crippled our abilities to practice and delayed so much of the important care we provide. During this challenging time many of our departmental faculty and members of this committee stepped up and provided important leadership at local, regional, national, and international levels. Dr. Jon Irish was instrumental in leading our provincial response to the pandemic through his exceptional leadership at Ontario Health. His efforts were critical to the provision of as much cancer surgery as possible during the deepest slowdowns of the pandemic and his advocacy is central to the provincial response to our surgical backlog. Dr. Yvonne Chan was the lead author on the Canadian Society of Otolaryngology -Head & Neck Surgery position paper on return to otolaryngology - head & neck surgery clinic practice during the COVID-19 pandemic in Canada. In addition, she, along with Drs. Monteiro, Witterick, and members of our Division of Rhinology contributed to Canadian Society of Otolaryngology - Head & Neck Surgery position paper on rhinologic and skull base surgery during the COVID-19 pandemic. Finally, Drs. Enepekides and Witterick contributed to the American Head

and Neck Society endocrine section consensus statement on nasopharyngolaryngoscopy and clinic reopening during COVID-19.

Our committee also continues to have a presence at the Canadian Society of Otolaryngology – Head & Neck Surgery. At this year's virtual annual meeting, Drs. Irish, Monteiro, Eskander, and Enepekides presented a panel on quality-based procedures in thyroid and head and neck oncology. Dr. Vincent Lin remains the national Choosing Wisely Lead for Otolaryngology and Dr. Enepekides is serving as chair of the Society's Quality and Safety Committee.

It has been a challenging year that has highlighted our department's resilience and excellence. I would like to thank the entire committee for another very successful year.



departmental divisions reports



Division of Audiology

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 was cancelled this year due to COVID-19 restrictions. Medical students were highly innovative and pivoted quickly to provide a workshop to teachers at the Toronto District School Board entitled "Identifying Signs of Hearing Loss in the classroom and what to do next". They hope this has the potential to become a regular part of the Kids2Hear programming! The Krista Riko lecture occurred virtually this year. Marie Pigeon, audiologist at Children's Hospital of Eastern Ontario (CHEO) and provincial Infant Hearing Program Designated Training Centre lead presented on Newborn Screening Ontario Hearing Loss Risk Factor Screening and the preliminary findings from the first year of screening.

The Audiology Division members for the 2020-21 academic year were:

Hospital for Sick Children

Lora Carinci Susan Druker Karen Gordon Gina Goulding Melissa Hazen Laurie MacDonald Vicky Papaioannou (Chair)

Humber Regional Hospital

Jill Witte

Sunnybrook Health Science Centre

Julija Adamonis David Shipp Kari Smilsky Ian Syrett

University Health Network

Carolyn Falls Emma Leblanc Curtis Wetmore



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 pleased to present the annual report on the activities of the Division of Facial Plastic and Reconstructive Surgery for the 2020–2021 academic year. It has been a challenging year for all due to the ongoing pandemic, limited OR time and hospital resources yet, we have been able to continue providing care to our patients and training to our students, residents and fellows.

Our division is comprised of the following individuals: Dr. Peter A. Adamson, Dr. Douglas Chepeha, Dr. David A. F. Ellis (Dr. David Ellis has also retired from clinical practice in March 2021) and Dr. Ralph Gilbert are full professors. Dr. Kryzstof Conrad, Dr. Danny Enepekides, Dr. Andres Gantous, Dr. David Goldstein and Dr. Kevin Higgins are associate professors. Dr. Michael Brandt, Dr. Robert Mounsey, Dr. Oakley Smith and Dr. Philip Solomon are assistant professors. Dr. Ashlin Alexander, Dr. Jamil Asaria, Dr. Matthew Brace and Dr. Richard Rival are lecturers.

I am very grateful to all the members of the division for their unflagging dedication to our teaching commitments, support and contributions to the division this past year. Our own office personnel have worked tremendously hard during these very challenging times. The continuing help, support and work of the departmental administrative staff is

invaluable to our success. The leadership and support of Dr. Witterick, our chairman and Dr. Campisi, our program director is invaluable.

POSTGRADUATE MEDICAL EDUCATION TEACHING Workshops

The Soft Tissue Dissection course was held on November 2020. The course was co-directed by Drs. Brandt and Alexander. This was, as always, very popular the residents.

The Rhinoplasty Dissection course took place in April 2021 and, despite COVID-19 restrictions, was a success.

Mock orals

The preparatory examinations for the PGY5 fellows are given by members of the division, this organized by Gantous and given via zoom this year. Numerous faculty participated.

Fellowships

Currently the division recognizes four fellowship programs in FPRS. Dr. Asaria and Dr. Smith both had an AAFPRS fellow. Drs. Solomon and Rival, and Dr. Gantous had one University of Toronto accredited clinical fellow.

PGY4-5 rotations

Despite the challenge of the lock-down and slow ramp up in surgery, we were able to host several onemonth mandatory rotations in facial plastic and reconstructive surgery. Several faculty members also hosted elective rotations arranged by our University of Toronto residents as well as from other Canadian OHNS programs.

Out of Specialty PGME teaching

Dr. Gantous took over the role from Dr. Adamson and continues to present an overview of facial plastic surgery to the Faculty of Dentistry students on alternate years. Dr. Brandt has also become part of that lecture series. Dr. Asaria has also been engaged in teaching dermatology residents. Dr. Alexander has lectured to the plastic surgery residents.

Continuing Medical Education (CME) Courses

Numerous members of the division are frequent presenters at meetings such as the Canadian Academy of Facial Plastic and Reconstructive Surgery Annual Clinical Day, Canadian Society of Otolaryngology – Head & Neck Surgery Annual Meeting, American Academy of Otolaryngology – Head and Neck Surgery Annual Meeting, American Academy of Facial Plastic and Reconstructive Surgery Annual Meeting, as well as other international and national meetings. This past year, the lockdown did not stop our division members from this task, it just switched smoothly to zoom.

Association Activities

Dr. David Ellis continued to contribute his services to the CPSO as a peer reviewer until his retirement. Dr. Adamson continues as a Senior Advisor to the American Board of Facial Plastic and Reconstructive Surgery (ABFPRS) as well as a board examiner. Drs. Alexander and Asaria contribute oral protocols and written items for the ABFPRS examination. Dr. Asaria represented Canada as a Director on the Board of Directors of the American Academy of Facial Plastic and Reconstructive Surgery (AAFPRS) until September 2020. Dr. Adamson continues as Past President of the AAFPRS. Dr. Gantous is the Canadian Region Credential Committee representative, AAFPRS. Dr. Adamson is a member of the Rhinoplasty committee and the Ethics committee, AAFPRS, Dr. Adamson still serves as President of the International Board for Certification in Facial Plastic and Reconstructive Surgery (IBCFPRS) and is a board examiner. He is also a board examiner for the European Board for

Certification in Facial Plastic and Reconstructive Surgery (EBCFPRS). Dr. Gantous served as Treasurer, International Board of Facial Plastic and Reconstructive Surgery Societies, until February 2021. He was elected to the position of Secretary in February 2021. Dr. Brandt is Section of Otolaryngology Delegate to the OMA, Ontario representative to the CSO-HNS and the CAFPRS. Dr. Rival has continued to serve as the President of the CAFPRS.

Many members of the division are peer reviewers for a number of national and international journals in facial plastic surgery, and Dr. Adamson sat on the International Advisory Board of the Journal of the American Medical Association for Facial Plastic and Reconstructive Surgery (JAMA FPRS). Dr. Asaria is now on the International Editorial Board of Facial Plastic Surgery & Aesthetic Medicine (FPSAM). Dr. Gantous is a reviewer for Facial Plastic Surgery.

PUBLICATIONS

Several members of the division have remained active writing and publishing their work during this period. Peer reviewed and requested articles as well as book chapters have been undertaken by many of our division members.

In summary, the Division of Facial Plastic and Reconstructive Surgery is committed to continue supporting and advancing the values, mission and goals of our department. Our members remain engaged and eager to advance, be leaders in and teach our subspecialty nationally and internationally.



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.

In July 2017, Dr. Jonathan Irish became the Head of the Division of Head and Neck Oncology and Reconstructive Surgery and during the first 6 months took the opportunity to complete a strategic planning process. This has resulted in a reinvigoration of the research mission of the division, a reorganization of the fellowship education program and an increased collaboration between the three hospital sites providing head and neck oncological surgical services.

From a clinical care perspective, the three head and neck centres under the University of Toronto umbrella are large volume centres by any measure. The academic productivity, research initiatives, fellowship education program and leadership provided by the division faculty continues to position the division as the pre-eminent program in Canada and one of the most recognized programs internationally.

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. Dale Brown, Doug Chepeha, John de Almeida, Ralph Gilbert, David Goldstein, Patrick Gullane, and Jonathan Irish). 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. This program has been strongly supported by the Princess Margaret Cancer Foundation with key donations from the Joe Findlay Fund, the Wharton Family, Kevin and Sandra Sullivan, Neville Thomas as well as the Galloway, Elia, Garron, Epstein, Stroebele and Dorrance families. The Norman and Marian Robertson Charitable Head and Neck Surgical Clinical Trials Program Fund is a recent addition to the support to the program and is dedicated to the support of in-house surgical clinical trials, national or international surgical clinical trials led out of the Princess Margaret and trials in surgical innovation.

The Sinai Health has had a strong collaborative program with the Princess Margaret including multidisciplinary clinics, collaborative research and collaborative clinical care. Sinai Health 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 skull base surgery at Sinai Health and the Toronto Western Hospital. The Sinai Health site has an active and productive molecular oncology program in endocrine and oral cancer.

The Sunnybrook/Odette Site offers tertiary/quaternary Head and Neck Oncology Services including Endocrine and Microvascular Surgery. Drs. Enepekides, Higgins and Eskander provide services at the Sunnybrook site and have strong networking programs with the Michael Garron Hospital and Women's College Hospital. The group at Sunnybrook also has a major presence in the Odette multidisciplinary Skin Malignancy Site Group. The positioning of the Institute for Clinical Evaluative Sciences (ICES) at Sunnybrook positions our faculty there to lead in health services research and Dr. Tony Eskander has led the health services research in head and neck oncology for the division. The establishment of a functional outcomes laboratory and modern outpatient ambulatory care facilities have been recent improvements at the site.

Research

The research productivity will be detailed in the departmental report but some of the major initiatives will be summarized here.

The division is organized into the following research programs: 1) Outcomes Research (lead: David Goldstein), 2) Clinical Trials (leads: John de Almeida, Doug Chepeha), 3) Health Services Research (lead: Tony Eskander), 4) Quality and Safety (lead: Eric Monteiro), and 5) Guided Therapeutics (lead: Jonathan Irish). Under the leadership of Dr. John de Almeida who is the overall division lead-research we have developed a data governance document which has enabled sharing of data and developed governance on data sharing and oversight of data use for academic production. This work has been adopted by the Canadian Association of Head and Neck Surgical Oncology Research Group. From October 2020 to June 2021 the division under the leadership of Dr. de Almeida and the respective program leads have had monthly meetings to develop a research strategic plan which will help guide the divisional collaborative research program over the next 5 years.

The academic productivity in Outcomes Research speaks volumes regarding the research productivity in this area. Most of these projects are mentor-led

and are within a single institution. An example of UHN-based work led by Dr. Goldstein is "Frailty as a Predictor of Outcomes in Patients Undergoing Major Surgery for Head and Neck Cancer: A Prospective Cohort Study" which resulted in the Harris P. Mosher Award in recognition of the excellence of his thesis in clinical research submitted to the Triological Society and mentored the Best Poster at the 2019 AHNS Annual Meeting for the poster entitled "Evaluation of Older Age and Frailty as Predictors of Post-Operative Decision Regret". An example of Sunnybrook-led projects includes a pilot study of the inflammatory response in oral squamous cell carcinoma by saliva, plasma and tissue analysis led by Dr. Kevin Higgins which is funded by a Canadian Institute of Health Research team grant for \$100,000 CAD. Dr. Tony Eskander is completing a study evaluating the effect of tumour volume as a predictor of treatment failure for T3 laryngeal cancer. This is a division-led study including the Princess Margaret and Sunnybrook sites and will include the University of Calgary, University of Manitoba, University of Ottawa, Western University, McGill University and Dalhousie University. Similarly, Dr. David Goldstein is leading a study determining outcomes in patients with papillary thyroid carcinoma with tracheal invasion which will also involve multiple Canadian sites through University of Toronto leadership.

The Clinical Trials program of the division is very active. 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. 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. Dr. Doug Chepeha led a prospective window of opportunity clinical trial determining the antitumor immune effects of pre-operative sitravatinib and

nivolumab which showed significant clinical and pathological responses in oral cavity cancer. Other active clinical trial projects in the division include ICG assessment of pharyngeal mucosal viability after laryngectomy/pharyngectomy (Higgins, Chepeha) and development of a machine learning risk calculator for outcomes in head and neck cancer (de Almeida). As the co-lead of the Clinical Trials program of the division Dr. John de Almeida has definitely led by example. Dr. de Almeida continues to lead clinical trials particularly in robotic research including the FIND trial-a study to evaluate the use of Transoral Robotic Surgery (TORS) to identify small oropharyngeal carcinomas allowing tailored radiotherapy in unknown primary and small squamous cell oropharyngeal cancers. Findings from this study will be used to better determine which patients may be suitable for more targeted radiotherapy that would lead to a reduction in the total amount of radiotherapy needed as part of their treatment. He leads the University of Toronto participation in ORATOR-2 which is a randomized treatment de-escalation study to formally compare outcomes in HPV-related oropharyngeal cancer tumours treated with a primary radiotherapy versus a primary surgical approach and will lead the UofT participation in ORATOR-3 in HPV-negative oropharyngeal cancers. Finally, Dr. de Almeida is the principal investigator of the SELECT Trial (HN.11) approved by the CCTG and EORTC and has received \$3.2M in CIHR funding to compare the effectiveness of two types of radiation treatments for oropharyngeal carcinoma (OPC) to evaluate if lymphatic mapping with Single Photon Emission Computed Tomography (SPECT-CT) imaging can help select patients for ipsilateral versus bilateral radiation and has the opportunity of reducing the volume of radiation for OPC patients. This is the first Canadian Cancer Trials Group (CCTG) in head and neck to receive NCI approval and the trial can now be open through other cooperative groups in addition to CCTG including NRG/ECOG. 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.

The Safety and Quality program has been led by Dr. Eric Monteiro. Many of the initiatives have been integrated across the division and has served as an important platform for collaboration. Dr. Monteiro has led the development and implementation of a standardized thyroid ultrasonography reporting program with documentation of nodule characteristics. This implementation was associated with an outcomes trial demonstrating that implementation of an ACR TI-RADS-based reporting form in conjunction with educational initiatives improved documentation of ultrasonographic thyroid nodule characteristics allowing for improved bedside risk stratification. This group has also been involved in the development of local workshops (margin assessment and evaluation in oral cancer), provincial initiatives (development of quality metrics in Quality Based Procedure Funding in thyroid surgery [Monteiro, Irish] and mucosal head and neck cancer [Eskander, Higgins, Irish]) and national and international workshops and symposia (Canadian Society of Oto-Head & Neck Surgery, American Academy of Otolaryngology-Head and Neck Surgery). Dr. Danny Enepekides chairs the Quality and Safety Committee of the department and many of the departmental initiatives also overlap with division initiatives including the development of a standardized reporting format for morbidity and mortality rounds using the OM3 model and initiatives to reduce postoperative opioid ordering for operative procedures.

The Health Services research program has been led by Dr. Tony Eskander. Dr. Eskander is a faculty member at ICES and on the teaching faculty of the Dalla Lana School of Public Health, Institute of Health Policy, Management and Evaluation (IHpmE). Drs. de Almeida and Goldstein are also on teaching faculty on IHPME. Combined with the fact that University of Toronto division faculty are in provincial leadership roles with Cancer Care Ontario-Ontario Health, this allows health services research to translate to policy implementation using funding and quality performance levers. 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. Dr. Eskander led work with other division members on "Patient-Reported Symptom Burden as a Predictor of Emergency Department Use and Unplanned Hospitalization in Head and Neck Cancer: A Longitudinal Population-Based Study" and "Health Services Research and Regionalization of Care-From Policy to Practice: The Ontario Experience in Head and Neck Cancer" and "A Population-Based Study on NIFTP Incidence and Survival: Is NIFTP Really a "Benign" Disease?". Health Systems Research output is described in the overall departmental report but the impact of this research at the University of Toronto division is unique in its ability to translate findings into policy impact at the provincial level. Lastly, another product produced by the division group and led by Dr. de Almeida with input from the entire division was the development and validation of a surgical prioritization and ranking tool and navigation aid for head and neck cancer (SPARTAN-HN) in a scarce resource setting which was created in response to the COVID-19 pandemic.

Finally, the Guided Therapeutics (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 program is led by Dr. Jonathan Irish who is the Director, Clinical Faculty at TECHNA and the program lead for the GTx Program. 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). The GTx Program focused on translational research and development of a broad range of new and continuing research projects:

Education

The division directs the American Head and Neck Society Advanced Training Fellowship. Dr. Jeremy Freeman is the Fellowship Director and Dr. Jonathan Irish as the division head chairs the Fellowship Steering Committee with representation from the three hospital sites (Freeman, Higgins, Irish). There is a Fellowship Financial Governance Group (Irish, Freeman, Gilbert, Higgins, Enepekides) that oversees financial considerations related to the fellowship program. The Fellowship Steering Committee is responsible for oversight of the fellowship program including organizing the AHNS Fellowship match participation and interviews as well as organizing the fellowship interview process for non-AHNS match applicants from international medical graduates. The committee also oversees the fellowship rotations and assessments. The education program is overseen by Drs. Higgins and Irish in collaboration with the chief of fellows.

This highly sought-after fellowship program with six clinical rotations and one research position draws applicants from around the world. The program continues to be committed to the development and training the future leaders of our sub-specialty. One of the major initiatives led by Drs. Higgins and Irish is to renew the Fellowship Education Curriculum. This process has incorporated initiatives from the American Head and Neck Society and Canadian Association of Head and Neck Surgical Oncology. In a typical academic year there are 9 fellowship rounds which cover topics dictated by the AHNS Curriculum with 3 journal clubs and 3 special lectures. For three of the rounds per year the division invites previous fellows to act as alumni mentors who may have specialized topic expertise as we continue to strengthen our alumni program. The division continues to attract pre-eminent visiting professors from all over the world for departmental and hospital-sponsored lectures which are presented elsewhere in this report.

The division has a strong relationship with international departments and with the MD Anderson (MDA) and Memorial Sloan Kettering (MSK) faculty are responsible for hosting the

Current Concepts in Head and Neck Surgery Continuing Professional Development conference. This conference is run annually and features guest faculty as well as faculty from the 3 centres and rotates between Toronto, Houston and New York. Dr. Irish serves as the conference co-chair along with Drs. Ashok Shaha (MSK) and Ehab Hanna (MDA).

Leadership

The faculty provided strong hospital, university, provincial, national and international leadership in otolaryngology and head and neck surgical oncology. Dr. Pat Gullane is still an active mentor for many within the department and in the division and deserves credit for establishing a culture of respect and establishing a platform on which all of the faculty currently at the university division have been able to grow in. Dr. Gullane remains as an important advisor and thought leader and continues to hold The Wharton Chair in Head and Neck Surgery. He continues to be dedicated to develop the head and neck program at UHN and at the university by engaging philanthropic support for the research and educational missions of the division. Dr. Ralph Gilbert is the chief of otolaryngology-head & neck surgery at UHN and has been in that role for 8 years. Since 2018, Dr. David Goldstein has been the site lead for the Endocrine Site Group at Princess Margaret. At the provincial level, Dr. Irish is the Provincial Head for Surgical Oncology at Cancer Care Ontario-Ontario Health and in 2020 is the interim Provincial Clinical Lead for Cancer Care Ontario-Ontario Health and in that capacity is responsible for all cancer services in the province. He remains the Provincial Clinical Lead for Access to Care in Ontario Health.

Dr. Ian Witterick is the chief of otolaryngology-head & neck surgery at the Sinai Health incorporating the Mount Sinai Hospital and currently professor and chair of the university department. Dr. Witterick is also chair of the MAC at Sinai Health. Dr. Jeremy Freeman previously was the chief of otolaryngology-head & neck surgery at Sinai Health and currently serves as the fellowship director for the division. Recognizing Dr. Eric Monteiro's commitment to

quality and safety, he was made course director for the certificate course in quality improvement at the Centre for Quality Improvement and Patient Safety (CQUIPS) at the University of Toronto.

Dr. Danny Enepekides is the Chief of Otolaryngology-Head & Neck Surgery at Sunnybrook Health Sciences Centre, the Chief of Surgical Oncology and the Regional Lead for Surgical Oncology in Toronto Central North for Cancer Care Ontario-Ontario Health. At the University level Dr. Enepekides chairs the Quality and Safety Committee for the department with many initiatives being already described elsewhere in this report. Dr. Kevin Higgins is the Head and Neck Site Chair at the Sunnybrook Odette Cancer Centre.

Many of the faculty of the department play significant leadership roles in developing quality improvement initiatives and driving improvements in access to care and access to quality care at the provincial level serving on many Cancer Care Ontario-Ontario Health Working Groups, Expert Panels and Committees. Some of the notable leadership commitments include Dr. Kevin Higgins (CCO head and neck site group, CCO skin site group), Dr. Tony Eskander (Head and Neck Quality Based Procedures [QBP] Working Group), Dr. John de Almeida (Head and Neck QBP Working Group) and Dr. Eric Monteiro (Endocrine QBP Working Group).

The national and international impact of the division faculty is an enormous one. The division members continue to be highly sought after as keynote speakers in many national and international conferences and meetings which are describes in the overall departmental report. Many members of the division have national and international leadership positions some of which are documented here.

Drs. Gilbert, Gullane and Witterick have been invited faculty on the 4-6 week International Federation of Head and Neck Oncologic Societies (IFHNOS) World Tours (https://ifhnos.net/world_tours.html). IFHNOS is a

global organization established through cooperation of national and regional societies and organizations in the specialty of head and neck surgery and oncology with membership from national and regional multidisciplinary organizations, representing 65 countries. Dr. Gullane has served on the Executive Committee and Dr. Witterick serves on the Board of Directors of the Global Online Fellowship program. Our department, along with Memorial Sloan Kettering Cancer Center and MD Anderson Cancer Center accept international observers in the program for a period of up to 2 months (https://ifhnos.net/online_education.html).

Dr. Ian Witterick completed his term as President of the Canadian Society of Otolaryngology-Head & Neck Surgery (CSO-HNS) and provided sage oversight and leadership during the COVID-19 pandemic for otolaryngologists across the country in an unprecedented time. Despite the challenges created by the pandemic he and his CSO-HNS team were able to deliver an outstanding annual meeting and other CPD events throughout the year. In AHNS leadership, Dr. Irish remains as a Past-President with his term ending in 2022 and Dr. Ian Witterick was elected Section Chair for Skull Base and Dr. Danny Enepekides was elected Section Chair for Salivary Gland. The establishment of the Canadian Association of Head and Neck Surgical Oncology (CAHNSO) has provided further opportunities for leadership for members of the division. Dr. Kevin Higgins is Executive Committee Member, Canadian Association of Head and Neck Surgery and also is the Ontario Regional Representative and Executive Member at the Canadian Society of Otolaryngology-Head & Neck Surgery. In addition, Dr. Tony Eskander has organized and now chaired the Collaborative Research Initiative at CAHNSO with strong participation and support particularly from Drs. Goldstein and de Almeida. This initiative has developed into a strong collaborative force for head and neck oncology research in the country.



Division of Rhinology

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.

This past year has marked an incredibly productive time period for the Division of Rhinology despite still adjusting to the new challenges of the pandemic. While all of us have had to deal with the stresses of temporary clinical closures/slow-downs due to the pandemic waves, our divisional members have remained committed to the academic mission of our department. Our fall divisional meeting was held virtually on September 24, 2020 which was well attended by all members and served as a great springboard to the upcoming year as well as to catch up "virtually" with one another. This led the way to a busy year with many of our faculty delivering numerous teaching sessions, talks and publishing several papers in the field of rhinology/skull base surgery. Below are some of the highlights.

Education Activities

The previous year was the first time in over a decade that the annual resident sinus surgery dissection course was cancelled due to the pandemic. Thankfully, due to vaccinations and careful planning, we were able to re-unite and organize an in-person cadaveric dissection course on April 17th, 2021. By dividing the trainee cohorts into morning and afternoon sessions to maintain adequate social distancing, the residents thoroughly enjoyed being able to have their own individual dissection station

with many of our faculty to provide hands-on teaching (Drs. Lee, Witterick, Chan, Vescan, Monteiro, Gevorgyan, Fox, Werger, Wolter, Yip, Banglawala, Dalgorf). This was a tremendously successful event that was enjoyed thoroughly by both residents and staff who had not gotten together inperson for over a year. As we adapt to living in the pandemic, being innovative in how we deliver educational courses may in fact provide even greater experiences to our trainees.

This past academic year also saw many of our faculty help deliver teaching sessions for the rhinology core lectures which are given to the PGY2-4 residents. This year, Drs. Lee, Vescan, Chan, Witterick, Yip, Wolter, Banglawala and Dalgorf all gave virtual lectures to the residents during the Friday morning teaching sessions. This takes many hours of preparation from our faculty so I am grateful for all their continued dedication to our educational mission.

Academic Activities

Unfortunately, COVID-19 has continued to have a huge impact on academic activities as clinical inperson research was on-hold for much of the academic year. Nonetheless, our members have continued to find ways to be academically productive and continue to be involved in many of the national and international meetings. Firstly, at the 2020 Canadian Society of Otolaryngology-Head & Neck Surgery Annual Meeting (virtual), a total of two scientific oral presentations were given by trainees and supervised by three of our faculty

members (Drs. Lee, Chan, Yip). In addition, Dr. Chan was an instructor during the frontal sinus masterclass workshop. At the 2021 North American Skull Base Society Virtual Symposium, Drs. Monteiro, Lee, Witterick and Vescan supervised a trainee scientific presentation on the management of internal carotid artery injury during transnasal endoscopic surgery. And finally, at the 2021 American Rhinologic Society Spring Meeting at COSM (virtual), Dr. Lee supervised a trainee presentation on the risks of HPA-axis suppression and intranasal corticosteroids. Overall, 23 manuscripts were published this past academic year in the fields of rhinology/skull base surgery by several of our faculty members (Drs. Banglawala, Chan, Dalgorf, de Almeida, Gevorgyan, Lee, Leung, Monteiro, Vescan, Witterick, Yip). This level of productivity continues to show the academic commitment shown by both our academic and community affiliated members. I am excited to watch our division continue to grow especially as we are finally anticipating the resumption of clinical research activities this upcoming academic year.

hospital reports



Hospital for Sick Children

Dr. Blake Papsin (Otolaryngologist-in-Chief)

This year has been very eventful for our hospital department as is the case I am sure across the university campus. The focus was narrowed to simply maintaining our ability to care for the children who needed us and still ensuring the academic and educational requirements of our departmental members and trainees was attained. Our volumes were significantly diminished in clinic and in the operating room as we and the health care community in Ontario struggled to deliver care during the pandemic.

Our team and hospital both absorbed a significant proportion of pediatric inpatient care from our region to free up space for adult patients in our community and also cared directly for a cohort of adult patients admitted to our intensive care facility. We maintained our academic schedule as closely as we could to normal and partnered with our trainees to both learn and deliver care in this challenging environment.

Our campus continued to plan for redevelopment during this time and saw the demolition of the McMaster building and the beginning of construction of the new tower planned to house support staff and clinicians. Otolaryngology-HNS will not likely be moving to this new facility but will instead be moved to a newly renovated space on the 9th floor of the Burton Wing, where we currently reside on the 6th floor. A significant amount of work has gone into designing our new space and the tentative moving date is 2023. There is significant

shared space in this new design and this compact unit will be our home for a decade. This new space will house otolaryngology-HNS, audiology, and speech and language pathology. This new space will also maintain a small footprint for our clinical research team.

FACULTY

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

Our research team is

slowly changing with the impending retirement of Dr. Robert Harrison who has significantly contributed to the hospital and the university's profile over his career. Dr. Karen Gordon has assumed the leadership of our research portfolio in addition to becoming chair of the university's Promotion Committee. She has brought a new audiologist, Melissa Hazen, into the clinician/scientist track to focus on vestibular science. Karen's laboratory is prospering and has been working hard to overcome obstacles imposed by the pandemic.

Our administrative team has also been restructured to provide care in these challenging times. Flexible work scheduling and remote care have become part of our strategy as we aim to deliver care with limitations imposed by the ministry. We predict that some of these arrangements will persist after the current restrictions have been lifted as we have realized benefit from these strategies for both staff and patients. Certainly these strategies will be

implemented when we move to our smaller geographic space as outlined above. Central to our success has been the efforts of Vicky Papaioannou who continues to improve our administrative productivity.

The consultant staff have continued to execute their academic and clinical activities successfully using remote presentations to contribute to academic departments and professional societies. We have trained 21 residents and 2 fellows over the past year and successfully matched fellows for our upcoming year virtually.

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



Michael Garron Hospital

Dr. Al Chiodo (Otolaryngologist-in-Chief)

CLINICAL ACTIVITIES

This year has seen many changes for our hospital with the new hospital redevelopment which is slated to be completed in 2022. The Ralph and Rose Chiodo family donated a half-million dollars toward the new Otolaryngology-Head & Neck Surgery Clinic as part of the new hospital redevelopment along with new operating room equipment. This donation will provide state-of-the-art equipment and clinic space with 3 examination rooms and 1 minor procedure room which will house the otolaryngology-head and neck surgery teaching clinics along with the multidisciplinary thyroid clinics.

Our department divides its surgical services between outpatient and inpatient surgical services spanning the subspecialties of pediatric otolaryngology-head & neck surgery, otologic surgery, sinonasal surgery, laryngology facial plastic surgery, and head and neck endocrine surgery. Table 1 outlines the pre-covid clinical and surgical activity of our hospital department. The majority of inpatient volumes consist of pediatric inpatient surgery and head and neck surgery. The bulk of the head and neck surgery arises from our thyroid program. COVID-19 unfortunately has had a significant impact on surgical volumes and clinical volumes due to the lockdown effects of the 3 waves during the pandemic.

Table 1-MGH Clinical Yearly Volumes (pre-COVID)	Volume
1.Surgical Volumes	
a. Inpatient surgery volumes	723
b. Day surgery volumes	884
2. Inpatient admissions excluding inpatient surgery volumes	75
3. Outpatient volumes	
a. ENT clinic	5906
b. Thyroid DAU	663
4. ER consultations	200

Dr. Hubbard heads up our otology program in our department offering patients in the TEHN (Toronto East Health Network) catchment area otologic surgery services including mastoidectomy and middle ear surgery. Dr. Hubbard also heads up our vestibular and audiology labs located adjacent to otolaryngology-head and neck surgery clinic

FACULTY

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

in the out-patient department allowing for seamless care for out-patients with otologic issues. An addition of a new microscope and laser attachment will also afford our patients with wider surgical options for their otologic surgery along with providing more options for managing our laryngology patients.

In addition to our new otology program, we have an established thyroid cancer program under the direction of Dr. Eskander. The foundation of the program is the multidisciplinary thyroid clinic at the hospital which brings together the Departments of Otolaryngology-Head & Neck Surgery, Endocrinology, Diagnostic Imaging, and Pathology. The Thyroid Multidisciplinary Clinic allows us to provide patients with ultrasound needle biopsy services at the same time as their multi-disciplinary consultations with otolaryngology-head and neck surgery and endocrinology. Surgically. Our thyroid cancer QBP volumes pre-COVID-19 were close to 300 cases due to the hard work of Drs. Chiodo, El Masri, Enepekides, Eskander, Higgins and Hubbard.

In our sinus surgery program, an updated image-guided system has allowed us to continue to offer exacting sinus surgery for our patients. In our facial plastic surgery program, Dr. Smith has established his surgical focus in nasal reconstruction and cosmetic nasal surgery in addition to providing an American Academy of Facial Plastic Surgery approved fellowship along with offering the resident first-hand experience in this area of surgery. We continue to deliver pediatric surgical services including adenotonsillectomy and myringotomy and tubes along with congenital masses.

EDUCATION

1. Undergraduate Medical Education

Dr. Hubbard as the assistant director of undergraduate medical education for our University of Toronto department has continued to direct the pre-clerkship curriculum for the university department. Our hospital department is involved in courses at every level of undergraduate training such as ICE 1, ICE 2, MMMD, Clerkship, and the Transition to Residency course. The otolaryngologyhead & neck surgery clerkship at MGH/TEHN was established 9 years ago as a pilot project and because of its success, this community-based clerkship model was rolled out across the city in other community

sites. Our clinical clerkship program provides 24 clerks from the Wightman-Berris Academy to obtain community-based otolaryngologic education. During the pandemic, we also provided clerkship rotations for students from the Mississauga Campus. Each year, we have had elective and selective students from the University of Toronto along with other medical schools across Canada. We have also provided clinical elective and research opportunities for students from the Royal College of Surgeons in Ireland. Moreover, MGH/TEHN has had consistently high rotation effectiveness scores for the undergraduate curriculum and clerkship.

2. Postgraduate & Continuing Medical 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 Postgraduate Committee. We have consistently had high rotation effectiveness scores and teacher effectiveness scores year after year. Residents continue to have high surgical volumes as primary surgeons in pediatric, sinus, otologic, endocrine, laryngologic, and facial plastic surgeries. The rotation provides a "Transition to Practice" rotation for finalyear residents. The otolaryngology-head & neck surgery resident continues to maintain a wellattended resident clinic in community otolaryngology-head & neck surgery (prepandemic). Dr. Chiodo was able to present on otolaryngology-head & neck surgery practice management to final year residents in 2020. Dr. Smith was a course codirector for the Rhinoplasty and Soft Tissue Course through the University of Toronto, which is a nationally attended course. In addition, our department has provided weekly clinical instruction to all family practice residents at TEHN. We do provide an annual lecture series in common otolaryngologic topics for the TEHN family practice residents.

RESEARCH

Since 2017, as head of the thyroid program at MGH, Dr. Eskander has been able to publish 7 research papers covering thyroid cancer in high-impact

journals with one research paper submitted for publication. He also had 2 poster presentations, 3 oral presentations, and 3 workshops/panels dealing with thyroid cancer. Future endeavors will focus on the development of a day-surgery thyroid program with a paper recently published in the Frontiers of Endocrinology. Drs. Chiodo, Hubbard, and Eskander have published a paper on patient perspectives on the removal of common otolaryngologic procedures from the government insurance plan. Dr. Chiodo presented university grand rounds on HPV-Positive Oropharyngeal Carcinoma: how to facilitate an early diagnosis which led to the development of an educational slide-deck for family physicians. Finally, Drs. Chiodo, Hubbard, and Eskander have participated in the John Bradley Summer Research Program researching virtual care in otolaryngologyhead and neck surgery along with patient anxiety awaiting thyroid surgery amidst COVID-19 and patient attitudes toward same-day thyroidectomy during the pandemic. The research program is a collaborative summer research program between the University of Toronto and the Royal College of Surgeons in Ireland.



North York General Hospital

Dr. Everton Gooden (Otolaryngologist-in-Chief)

The Division of Otolaryngology-Head & Neck Surgery at North York General Hospital (NYGH) is staffed by four full-time surgeons (Drs. Everton Gooden, Manish Shah, Thileep Kandasamy and Jason Xu). Dr. Josie Xu will be joining our division as a clinical associate in the fall of 2021 after completing her fellowship in sleep surgery at the University of Southern California.

Dr. David Goldfarb passed away peacefully from pancreatic cancer at his home on June 25, 2021 at the age of 61. David graduated from medical school in 1985 and completed residency in otolaryngologyhead & neck surgery at the University of Toronto in 1991. He served as Otolaryngologist-in-Chief at NYGH for 10 years. In recognition of his standing in our department, he was recently presented with the *Distinguished Alumnus Award*, for exceptional commitment and dedication to the practice and teaching of otolaryngology and for professional ethical standards of the highest order.

Our ambulatory clinic provides a full range of otolaryngology services and is supported by 5 full-time audiologists under the direction of Dr. Gina Oh. The clinic continues to participate in the Infant Hearing Program in partnership with the City of Toronto Public Health.

Education

Dr. Manish Shah serves as our education coordinator. The resident and student rotation remain very popular despite the disruptions seen as a result of the COVID-19 pandemic. The clerkship rotations which was suspended as a result of the pandemic will resume in the fall of 2021.

FACULTY

Thileep Kandasamy Manish Shah Jason Xu

Dr. Gooden received the Excellence in Community
Based Teaching Award from the University of Toronto

Leadership

Dr. Gooden continues to serve as Director on the NYGH Foundation Board of Governors and is Chair of the Nomination and Governance Executive Committee for the Foundation Board.

Dr. Manish Shah continues to serve on the Medical Staff Association as Secretary Treasurer.



Sinai Health

Dr. lan Witterick (Otolaryngologist-in-Chief)

Mount Sinai Hospital (MSH), Joseph and Wolf Lebovic Complex is part of Sinai Health (SH), together with Bridgepoint Active Healthcare, Circle of Care and the Lunenfeld Tanenbaum Research Institute (LTRI).

SH is undergoing a transformative renovation over a multi-year period. The 7th floor has been redeveloped into 19 new state of the art operating rooms. The 5th floor is being repurposed into a new 36-bed intensive care unit and the emergency department is being expanded by 40%. As part of this process, we have made several moves of our clinic space to accommodate renovations.

The Microbiology Lab has been widely recognized for their leadership in pandemic response. The LTRI continues to help COVID research with 66 external grants totalling more than \$15 million in funding for new COVID-19 research projects. The LTRI is a leading biomedical research centre, ranking amongst the top biomedical research institutes in the world.

Our department has a broad capability and skill set with expertise in head & oncology including endocrine oncology, rhinology and anterior skull base surgery. We have multiple faculty who provide general otolaryngology care and specialized multidisciplinary clinics in thyroid oncology, skull base oncology, voice disorders and mouth disease. Several of our faculty are actively involved with Princess Margaret Cancer Centre multidisciplinary clinics.

Our Faculty

We have five full-time clinical faculty (Drs. Jerry Chapnik, Jeremy Freeman, Eric Monteiro, Allan Vescan and Ian Witterick). Parttime faculty include Drs. Robert Burke. Yvonne Chan, Kris Conrad, Taryn Davids, John de Almeida, Vinav Fernandes, Michael Roskies, Manish Shah and Xerxes Punthakee. There is an active basic science research

FACULTY

Robert Burkes (P/T)
Yvonne Chan (P/T)
Jerry Chapnik
Dustin Dalgorf (P/T)
Taryn Davids (P/T)
John de Almeida (C/A)
Vinay Fernandes (P/T)
Jeremy Freeman
Eric Monteiro
Xerxes Punthakee (P/T)
Michael Roskies (P/T)
Allan Vescan

program developing biomarkers for oral and thyroid cancers.

Dr. Taryn Davids along with speech language pathologists, conduct multi-disciplinary voice clinics. Drs. Yvonne Chan and Iona Leung (Dentistry) continue to run regular Mouth Clinics

for the management of patients with challenging mouth disorders. Multidisciplinary clinics are held and thyroid oncology rounds are held monthly. Skull base clinics have been on hold during the pandemic.

Education

Sinai Health remains a popular rotation for residents and fellows. We provided 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 and there was a Canadian wide moratorium on medical student electives except for University of Toronto medical students. There are two fellows at SH, one who rotates in the Head & Neck Oncology Fellow's rota and one who works for 12 months with Drs. Monteiro, Vescan and Witterick in the Rhinology, Skull Base and Head & Neck Oncology Fellowship.

Dr. Vescan directs undergraduate medical education, Dr. Monteiro directs postgraduate education, Dr. Freeman directs the Head & Neck Oncology fellowship and Drs. Monteiro, Vescan and Witterick direct the Rhinology, Skull Base and Head & Neck Oncology Fellowship. Dr. Monteiro teaches at the University of Toronto's Centre for Quality Improvement and Patient Safety (CQIPS) and is the Course Director for the Certificate Course in Quality Improvement and Patient Safety.

Advancement

In past years, the SH Foundation, the Barberian Family and Dr. Freeman have organized the Annual Harry Barberian Memorial Dinner which unfortunately has been on hold during the pandemic. This dinner has raised more than \$650,000 for research; the proceeds have provided significant research scholarships to residents, fellows and faculty across our university department through a competitive peer-reviewed grant mechanism. The Foundation has also announced "The Jeremy Freeman Chair in Surgical Oncology". Through generous donations, we are re-establishing a nasal function laboratory.

Leadership

For the University department, Dr. Vescan is the Director of Undergraduate Medical Education, Dr. Monteiro is the newly appointed Postgraduate Education Assistant Program Director, Dr. Freeman is Director of the Head & Neck Oncology Fellowship, Dr. Chan is the Director of Continuing Professional Development and Dr. Witterick is Chair of the department responsible for the overall education mission.

Dr. Monteiro is very much integrated into Quality & Safety at SH. He is Co-Chair of the Sinai Health System Perioperative Quality and Safety Committee, member of the NSQIP Working Group, member of the System Quality of Care Committee and our representative on the Quality and Patient Safety Committee.

Dr. Witterick is President of the CSO-HNS and Dr. Chan is Chair of CPD/CE. Dr. Witterick is Vice-Chair of the Skull Base Section of the American Head and Neck Society and Drs. Freeman and Witterick are members of the Steering Committee for the World Congress on Thyroid Caner (the largest meeting in the world dedicated to thyroid cancer).

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.



Sunnybrook Health Sciences Centre

Dr. Danny Enepekides (Otolaryngologist-in-Chief)

The Department of Otolaryngology-Head & Neck Surgery at Sunnybrook Health Sciences Centre faced unprecedented hardships this year. The COVID-19 pandemic deeply impacted all our clinical and research programs and challenged us to deliver the exceptional care we are renowned for. Despite the multiple shutdowns, the constant patient screening, a year behind masks, and an 80 bed tent hospital built on campus, the incredible Sunnybrook family managed to have another very successful year. The pandemic showcased our strength, resilience, resolve, work-ethic, and team spirit.

Despite COVID-19, there were many accomplishments in 2020. This year we established the Nanji Head and Neck Surgery Centre, made possible by a very generous donation from the Nanji family. This investment in otolaryngology at Sunnybrook Health Sciences Centre has allowed us to create a state-of-the-art outpatient clinic with expanded endoscopic abilities including trans-nasal esophagoscopy, three ultrasound units that will enhance biopsy capabilities and will lead to the establishment of a new multidisciplinary Endocrine Cancer Clinic, a new procedure room to allow for otologic and minor head and neck surgery under local anesthesia, and a cutting-edge laryngology suite. All exam rooms will have high-definition monitors that will enhance the learner experience. In addition, our waiting room will now better address the needs of our hearing and vision impaired patients. This new space will complement the great clinical programs at Sunnybrook and has allowed us

to support Dr. Jun Lin and expand our laryngology program.

The department has enjoyed significant philanthropic support over the years. The Sonja Koerner Inner Ear Research Program, led by Dr. Alain Dabdoub, continues to receive invaluable support from the Koerner Family. The Sunnybrook Cochlear Implant Laboratory, led by Dr. Andrew Dimitrijevic, owes its success to the continued

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

support of the Mason Family. Finally, this year fellowship education in head and neck oncology – microvascular surgery was supported by a generous donation from the Federer family.

Our faculty continue to provide leadership at multiple levels. Dr. Alain Dabdoub is currently Vice Chair of Research for the university Department of Otolaryngology-Head & Surgery. Dr. Vincent Lin serves as the OMA otolaryngology section chair, the Choosing Wisely Canada Otolaryngology lead, and the non-oncologic otolaryngologic lead for Cancer Care Ontario. In addition, he was the Scientific Program Chair for this year's CSO-HNS annual virtual meeting. Dr. Chen continues to be the provincial coordinator for the Ontario Cochlear

Implant Program and the Health Technology Assessment (HTA)-Clinical Lead, Health Quality Ontario (HQO). Dr. Kevin Higgins continues to serve as the head and neck oncology lead at the Odette Cancer Centre and is the Ontario regional representative for the Head and Neck Council of the CSO-HNS. He was also recently appointed as the educational lead for the Canadian Association of Head and Neck Surgical Oncology. Finally, Dr. Enepekides serves as the Chief of Surgical Oncology at the Odette Cancer Centre, the Regional Surgical Oncology Lead for Toronto Central North, the Quality and Safety Committee Chair for the Canadian Society of Otolaryngology - Head & Neck Surgery and was recently appointed chair of the Salivary Gland Section for the American Society of Head and Neck Surgery.

The department continues to actively participate in outreach. The University of Toronto Department of Otolaryngology - Head & Neck Surgery has been sending up a team of staff otolaryngologists, including Dr. Vincent Lin, to provide clinical and surgical services at the Sioux Lookout Meno Ya Win Health Centre. Along with a complement of residents, Dr. Lin travels to Sioux Lookout with the team every 6 months and typically sees approximately 300 outpatients and performs 3-4 days of surgery per trip. The area is highly underserviced from a specialist standpoint and the breadth of pathologies seen is immense. Drs. Enepekides and Higgins continue to work with the Canadian Ukrainian Foundation and the Sunnybrook Ukraine Surgical Education Initiative to provide education and training in head and neck reconstruction to surgeons in war-torn Ukraine. Unfortunately, the pandemic prevented the team from travelling to the Ukraine but the two participated in a very successful national virtual symposium that brought the Sunnybrook team together with over 300 oralmaxillofacial surgeons, plastic surgeons, and otolaryngologists from across Ukraine for two days of virtual workshops, panel discussions, instructional videos, and lectures. Under Dr. Higgins' leadership a longitudinal training program in microsurgery has been created that will hopefully lead to successful free flap surgery in the Ukraine.

The department remains one of the most highly regarded training sites by residents and fellows. This year Dr. Joseph Chen was named the University of Toronto Department of Otolaryngology Faculty Teacher of the Year. Dr. Chen has received this prestigious award four times, the most by any faculty member since inception of the award. Dr. Danny Enepekides received the 2020 William Dixon Sunnybrook Surgical Teaching Award. The award is given to a Sunnybrook surgeon from any of the operative specialties who has made the biggest impact on resident and fellow development and evolution as a mentor. Finally, Dr. Antoine Eskander was awarded the University of Toronto Institute of Health Policy, Management, and Evaluation mentorship Award. These awards reflect the department's commitment to education.

The department's academic research programs in inner ear regeneration, cochlear implantation, and health services research continue to enjoy great success. The remarkable productivity of these programs is detailed in the department's research reports. The academic highlight of the year was the promotion of Drs. Vincent Lin and Danny Enepekides to full professor of otolaryngology-head & neck surgery.

Despite all these wonderful accomplishments, 2020 will always be remembered for the COVID-19 pandemic. I would like to thank our tireless residents and fellows who courageously looked after our patients in the early days of the pandemic, our audiologists and cochlear implant team who continued to serve a patient population crippled by mandatory masking, and our great office staff who continued to welcome patients to our clinic for urgent care. Without our incredible team none of these accomplishments would have been possible.



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 centres 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 1,397 beds and had over 1.64 million patient visits in the last year.

Our Faculty

The Division of Otolaryngology - Head & Neck Surgery at Trillium Health Partners comprises of 11 members (Drs. Glenn Beard, Yvonne Chan, Joseph Chen, Janet Chung, Aman Grewal, Andrew Ma, Jeff Mendelsohn, Karim Nazarali, Lorne Segall, Adam Toth, and Sandra Vojvodich). 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. Andrew Ma is our newest division member who has a fellowship in otology, specifically endoscopic ear surgery. In April 2021, Dr. Chan took the position of Otolaryngologist-in-Chief at St. Michael's Hospital and transitioned her office-based practice to a hospital-based one.

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.

FACULTY

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

At the post-graduate education level, PGY4 trainees continue to rotate through THP as part of their community otolaryngology experience. Our rotation has been consistently highly ranked by the residents over the years because of the unique opportunity 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.

Leadership

Thank you to Dr. Janet Chung for her continued service as the postgraduate education lead and Drs. Aman Grewal and 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), Dr. Chan is the Continuing Professional Development Committee Chair and is the current chair for the Rhinology Canadian Working Group. Also at the CSO, Dr. Chan is the mentorship/leadership representative at the Women in Otolaryngology Canada section.



Unity Health Toronto -St. Joseph's Health Centre

Dr. Andres Gantous (Otolaryngologist-in-Chief)

St. Joseph's Health Centre is celebrating its 100-year anniversary serving the west end of Toronto. It provides healthcare to a well-established, multicultural community that has constantly diversified over the decades. It has been able to maintain a reputation for excellence as a community hospital as well as an academic teaching hospital affiliated to the University of Toronto.

The division of OHNS is currently comprised of five physicians with diverse clinical interests and subspecialties including rhinology, neuro-otology, facial plastic and reconstructive surgery, endocrine surgery, skull base surgery and pediatric otolaryngology. The faculty all hold academic positions in the department of OHNS at the University of Toronto. The members of the division are Drs. Rick Fox, Andres Gantous, Ian Witterick, Jack Kolenda and Dustin Dalgorf. Dr. Robert Josephson has recently retired from surgical practice after more than 35 years on staff at SJHC. We are currently starting the process of advertising for two positions, to join our ranks and are very much hoping that we will be able to accomplish this within the next few months.

Several members of the faculty have administrative positions within the University of Toronto. Dr. Witterick is serving his second term as professor and chair of the Department of OHNS and Dr. Gantous is associate professor and Head of the Division of Facial Plastic and Reconstructive Surgery of the Department of OHNS.

SJHC has continued to be a popular rotation for our own residents and medical students as well as from around the country and internationally. Dr. Witterick has a rhinology fellow and Dr. Gantous a facial

FACULTY

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

plastic surgery fellow that work with them throughout the academic year. We host multiple international visitors throughout the year that come to observe advanced sinus surgery, facial plastic and reconstructive procedures. The staff are directly involved in teaching Sinus Surgery, Temporal Bone, Soft Tissue Surgery and Rhinoplasty courses at the university year after year. They also participate yearly in the mock oral examinations that help prepare our residents for the Royal College examinations. We also provide teaching to Family Medicine residents rotating through the hospital.

The faculty of SJHC participate and are involved in development of Continuing Professional Development (CPD) courses and local, national and international congresses and meetings. They are frequent speakers at conferences nationally and internationally, publish scholarly articles and book chapters. Some of our staff hold positions in the executive boards of national and international specialty and sub-specialty societies and organizations.

The division of OHNS at SJHC has been committed to teaching and education during the

past five years and plan to continue doing so. The past year has been challenging for all. We have strived to support our institution and, most importantly, our community and patients' medical and surgical needs with very limited resources. We hope that we will be able to continue offering our services, growing our presence in the hospital and at the university and teaching our students, residents and fellows.



Unity Health Toronto - St. Michael's Hospital

Dr. Jennifer Anderson/Dr. Yvonne Chan (Otolaryngologist-in-Chief)

Unity Health Toronto is a Catholic Health care organization that comprises of St. Michael's Hospital, St. Joseph's Health Centre, and Providence Healthcare.

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

The Department of Otolaryngology – Head & Neck Surgery (OHNS) at St. Michael's Hospital resides within the Renal & Metabolism Program. Our department provides exemplary general otolaryngology care as well as highly subspecialized tertiary services focusing on advanced rhinology, skull base surgery, laryngology, and endocrine surgery.

Faculty

Dr. Jennifer Anderson served as the Otolaryngologist-in-Chief of the Department of Otolaryngology – Head & Neck Surgery at St. Michael's Hospital from 2008 to March 2021. Dr. Yvonne Chan was the successful candidate after a search for the chief position and started her 5-year term in April 2021.

The current full-time faculty are Drs. Jennifer Anderson, Yvonne Chan, John Lee, Jun Lin, and

Molly Zirkle. The current part-time faculty are Drs. Al Chiodo, Taryn Davids, Anil Katyal, Tulika Shinghal, and Jonathan Yip as a clinical associate.

Education

One of our department's main pillar of excellence is medical education. Our training

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

site rotation effectiveness scores have consistently been outstanding. Our faculty members have been recognized as excellent educators.

Dr. Zirkle will be completing her second term as the FitzGerald Academy Director in October 2021.

At the University of Toronto, Dr. Lee serves as the Assistant Director (Post-clerkship) for Undergraduate Medical Education for the Department of Otolaryngology – Head & Neck Surgery and is the St. Michael's site representative for both postgraduate and undergraduate medical education. In addition to his educational roles, Dr. Lee also serves as the Head of the Division of Rhinology for our department.

In the continuing medical education arena, Dr. Chan is the Director of Continuing Professional Development (CPD) for our department at the university level.

Along with medical student electives, experience in laryngology from other residency programs is often requested as an elective. The department also provides cross-disciplinary teaching for music students and speech language pathology students as part of their curriculum at University of Toronto. In addition to these unique educational experiences, there is a clinical fellowship in laryngology supervised by Dr. Anderson. She is also cross-appointed as an Adjunct Professor to the Faculty of Music at the University of Toronto.

Clinical Excellence

Our department provides excellent general otolaryngology care as well as highly subspecialized expertise in advanced rhinology, skull base surgery, laryngology, and endocrine surgery for the inner City of Toronto. The ambulatory clinic is an extremely efficient and high-volume clinic with more than 26,000 patient encounters each year.

The multidisciplinary voice clinic has two full-time (Drs. Anderson and Lin) and two part-time (Drs. Davids and Shinghal) laryngologists. Two highly skilled speech pathologists, Gwen Merrick and Marta DeLuca, are invaluable team members who attend the voice clinic regularly. The KTP laser (now to be replaced by a new TruBlu fibre based laser) for laryngology procedures has proven to be incredibly versatile and has permitted many patients to receive treatment for laryngology pathology in clinic with reduced wait times and excellent safe outcomes. Other subspecialized laryngology services in the ambulatory setting include laryngeal electromyography and videoendoscopic guided laryngeal diagnostic and therapeutic procedures (injection augmentation and steroid injection).

Dr. Lee subspecializes in the outpatient epistaxis treatment for the Hereditary Hemorrhagic Telangiectasia (HHT) clinic using the KTP laser. In order to reduce wait times and alleviate patient symptoms, Dr. Lee performs endoscopic nasal polypectomy in clinic.

The department members collaborate and work

closely with other departments and programs throughout the institution including respirology (upper and lower airway pathology, Cystic Fibrosis Clinic, HHT Clinic), endocrinology (thyroid/parathyroid surgery, Pituitary Centre of Excellence), neurosurgery (skull base surgery, lateral and anterior), trauma/critical care (neck trauma, airway emergencies, percutaneous tracheostomy).

Our faculty is also actively involved in clinical endeavours in the underserviced northern Ontario regions. Dr. Anderson serves as a consultant to care for the underserviced population of the patients in Elliot Lake, Ontario.

Research

The rhinology research productivity at St. Michael's Hospital has continued to grow under Dr. Lee's direction. Dr. Lee is an Associate Scientist at the Li Ka Shing Knowledge Institute.

In 2016, Dr. Anderson established the Nicole Muzzo Research Chair in Voice Disorders and is the term chair holder. Several interdisciplinary collaborative projects have been completed with the contribution by the Faculty of Music and/or Department of Speech Language Pathology.

Dr. Lin is also an Associate Scientist at the Li Ka Shing Knowledge Institute. Dr. Lin's laryngology research spans clinical, machine learning, and basic science areas. Clinically, her interests include voice rest, gender affirmation voice care, subglottic stenosis, and dysphagia. She collaborates both within Unity Health and across Canada in various research initiatives.

Leadership

Our faculty continue to provide leadership at multiple levels at St. Michael's Hospital, the University of Toronto, and beyond. Dr. Anderson is an executive member of the Alternate Funding Plan Management Executive Committee for St. Michael's Hospital. She is the chair of the Voice Research Committee and the Multidisciplinary Endocrine

Cancer Tumour Board at SMH. She is also a consultant for both the Stratford Festival and the Canadian Opera Company.

Dr. Chan serves as the OMA Otolaryngology section Tariff chair. She also serves as the CPD chair for the CSO and helped organize the 2020 CSOHNS annual meeting. She is the current chair of the Canadian Rhinology Working Group for the CSO. Dr. Chan is a member of the Regional Advisory Council for the Royal College of Physicians and Surgeons of Canada. At the University of Toronto, she sits on the Diversity Advisory Council and is involved in multiple subcommittees of the "Excellence through Equity" initiative. She has been the co-editor of the world-renowned textbook "KJ Lee's Essential Otolaryngology" since 2011.

At the University of Toronto, Dr. Lee serves as the Assistant Director (Post-clerkship) for Undergraduate Medical Education for the OHNS department and is the St. Michael's site representative for both postgraduate and undergraduate medical education. In addition to his educational roles, Dr. Lee also serves as the Head of the Division of Rhinology for our department.

For the past 10 years, Dr. Zirkle has been the director of the FitzGerald Academy, Faculty of Medicine. Dr. Zirkle is the first member of the OHNS department at the University of Toronto to hold such a prestigious position at the faculty. She is the chair of the Undergraduate Medical Education for the Academy Director Committee. Dr. Zirkle is the co-chair of the Medical Self Study Committee for Accreditation and the Clerkship Renewal Steering Group. She is also a member of the Executive Council at the Centre for Faculty Development. At St. Michael's Hospital, she has been chair of the Network Student Experience Committee and the co-chair of the Student Experience Committee.

For the 2021-2024 Department Strategic Plan, Dr. Zirkle is the co-chair of the Education Committee and Dr. Chan is the co-chair of the Equity, Diversity

& Inclusion (EDI) committee. They both sat on the Strategic Planning Committee. Dr. John Lee and Dr. Jun Lin are both members of the Discrimination, Harassment and Intimidation (DHI) committee. Dr. Al Chiodo is a member of the Education Committee.

Our part-time faculty Dr. Chiodo is the current chief of the Department of Otolaryngology – Head & Neck Surgery at Michael Garron Hospital and Dr. Davids is the chief of the Division of Otolaryngology at Southlake Regional Health Centre.

The Department of Otolaryngology - Head & Neck Surgery at SMH has tremendous potential for growth and we hope to further solidify its national reputation as a Centre of Excellence in the research and treatment of the upper airway.



University Health Network

Dr. Ralph Gilbert (Otolaryngologist-in-Chief)

The Department of Otolaryngology-H&N Surgery at UHN had another great year of clinical and academic accomplishments and continues to provide international leadership in Head and Neck Oncology/Reconstructive Microsurgery and Otology Neurotology.

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

Our otology/neurotology program under Dr. John Rutka's leadership continues to excel in the management of vestibular disorders and innovations in care of patients with vestibular disorders. The Hearing and Balance Centre along with our Munk Hearing Aid Centre continues to provide strong clinical and academic programs. Dr. Neil Bailie will join our Otology/Neurotology team in the Summer of 2021 and will dramatically expand our clinical capacity and surgical expertise in otology/neurotology.

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

Dr. Irish continues to lead the Guided Therapeutics Group at TECHNA and continues to work with peer-reviewed grant support from the Terry Fox

Foundation on noninvasive techniques to facilitate treatment of head and neck tumours including thyroid cancer. The GTx group has also been collaborating with the otolaryngology department in Brescia to initiate a tissue engineering program in bone reconstruction. The GTx group has been very active in image guidance and

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)
lan Witterick (P/T)

virtual surgical planning. Dr. Irish continues to lead the university division of Head and Neck Surgical Oncology and Microvascular Surgery and has just been selected as the vice-president of clinical services for cancer as part of the Ontario Health Initiative at the provincial level.

Dr. de Almeida and Dr. Ali Hosni have developed CIHR funded clinical trial evaluating sentinel node mapping of oropharynx cancer patients, with the goal of deintensifying the treatment of patients with unilateral disease. Dr de Almeida is also one of the surgical champions for the implementation of our new EMR (EPIC) and in that capacity will be a valuable resource both to the department and the surgical program at UHN.

Dr. Goldstein is providing local leadership in thyroid oncology as the Endocrine Site Group lead at PMH.

In addition, Dr. Goldstein leads the UHN's department research program. David is the Co-PI of a national trial in active surveillance of early thyroid malignancy and is active in many areas of clinical research in H&N oncology. Dr. Goldstein now leads our surgical trials program funded with a million-dollar donation from the Robertson Foundation. 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 exclusively in the virtual space. Post-COVID-19 we have obviously changed our engagement to a more on-line involvement and are learning to work in this new era of CPD.

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-H&N surgery.

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

We would like to invite our alumni and trainees and faculty to follow the UHN department on our Facebook and Twitter feeds and in the next few weeks look for our new website.

research team reports

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 our university Department of Otolaryngology-Head & Neck Surgery since 1984. Over that period our team has 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.

However, as is often said, "all good things come to an end", and the lab is in the process of being decommissioned (that sound better than "shut down").

Over the years this facility has been the base for basic lab research projects as well as clinical studies in close collaboration with clinical colleagues. Numerous graduate students, residents and fellows have trained in the lab, and for many their research has formed the thesis for a Master's or Doctoral level degree.

As the laboratory ramps down, no new trainees can be recruited, but 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.

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. I hope that the new knowledge generated by the lab may contribute to improved strategies for prevention, diagnosis and remediation of hearing disorders.

Finally, I would like to thank all the team members,

research collaborators, post-doctoral fellows, graduate trainees and summer students that have contributed to, and gained from being in the Auditory Science Laboratory.

Neurotology and Vestibular Research

John Rutka, Phillip Gerrestsen and Paul Ranalli

Ongoing clinical care programs for the management of those with dizziness and imbalance continue to be a major subspecialty interest at UHN. The multidisciplinary approach to the dizzy patient remains a major focus of ours. Unique to UHN is the Hertz Multidisciplinary Neurotology Program that involves neurotology, neurotology and psychiatry in conjunction with the UHN Centre for Advanced Hearing and Balance Testing, Vestibular Rehabilitation Therapy through Vestibular Health and Vestibular Nursing. It is through our team approach that we are able to handle the most challenging patients with disorders and imbalance. As always, we remain committed to the development of innovative educational systems in both vestibular and oculomotor physiology.

We are delighted to announce that Dr. Neil Bailie will be joining us as our second neurotologist in September 2021. Neil, one of our former fellows, now returns to Toronto after 12 years where he was on staff at Queen's University in Belfast, Northern Ireland. It is anticipated that he will provide a further commitment to care for those with disorders of dizziness and imbalance.

Our current research projects involve:

- 1. The Burden of Dizziness in the Province of Ontario from OMA/MOHLTC data from 2007–2017.
- A Substantive Review of our Prospective Workplace Safety and Insurance Board (WSIB) Neurotology Data base of over 4,500 Head Injured Workers.

- Analysis of the UHN Multidisciplinary Gentamicin Monitoring Program for the Prevention of Ototoxicity.
- 4. Analysis of the Effects of Vestibular Rehabilitation Therapy in Cerebellar Ataxia and Bilateral Vestibulopathy (CABV).
- Creation of a Teaching Portfolio from the UHN Neuroradiology and Neurotology Rounds.
- 6. The Adverse Effects of Litigation/Claims in the Functioning Improvement of those Receiving Psychiatric Care or Vestibular Rehabilitation.
- 7. Creation of a Vestibular Implant Program.

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

- 1. Outcome analysis of patients with Cognitive Vestibular Dysfunction and Mood Change
- 2. Reactivity of the Vestibular System to Caloric Vestibular Stimulation in Schizophrenia.

Neurotology/Vestibular Publications for the academic year 2020-21included:

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.

Hassannia F, Misale P, Harvey K, Yu E and Rutka JA. Elevated Ocular VEMP Responses in the Absence of a Superior Semicircular Canal Dehiscence. Am J Otolaryngol Head Neck Med Surg 2021,42: doi.org/10.1016/j.amjoto.2020.102789.

Lee J, Hassanania F, Rutka JA. Contralateral High Acceleration Vestibulo-Ocular Reflex Function in Vestibular Schwannoma. Otol Neurotol 2021, 42: doi: 10.1097/MAO. 000000000000327.

Cochlear Implant, Neurotology & Otology Research

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

The COVID-19 pandemic unfortunately had a major effect on cochlear implant research activities. As elective surgeries were cancelled for a large proportion of waves 1-3, our clinical volumes were significantly reduced. As a result, for the first time in the history of the program, we were unable to meet funding targets. Also, due to hospital restrictions, most of our clinical research studies were put on hold as patients were unable to attend testing sessions. Like most worldwide scientific meetings, cochlear implant meetings during the pandemic were either cancelled or shifted to virtual.

However, as the province and country ramp up our vaccination efforts and our numbers of vaccinated individuals start to approach herd immunity numbers, we are hopeful that the fall will allow us to resume all studies that were put on hold during the pandemic.

During this downtime period, however, we did embark on a few major changes within the research program.

Under the strong leadership and guidance from Dr. Justin Lui, our previous clinical fellow who has now returned to the University of Calgary, we shifted our data collection repository from excel and paper format to REDCAP. Patients are now required to complete their pre-operative and post-operative QOL questionnaires online and modules have been set up for both the entry of surgical information as well as post-activation speech scores. This system will allow more consistency in data collection and extraction as well as provide a very effective means of performing internal quality control on patient outcomes. REDCAP has now become the de facto data collection and repository for many large clinical research programs across North America.

We were able to complete some of our first QI studies led by Dr. Valerie Dahm. These studies first looked at narcotic prescriptions in patients' post-cochlear implantation and compared that to our Austrian colleagues. We then ran a clinical trial comparing post-operative cochlear implant pain management using a combination of traditional narcotics compared to regular use of anti-inflammatories. This study which has been submitted for publication demonstrates clinical efficacy and potentially superiority with the use of anti-inflammatories post-op cochlear implant surgery and this has already altered our clinical practice which is very timely especially in light of the recent attention placed on narcotic overdoses and dependency.

Finally, Dr. Lin and his colleagues in neurology have embarked on the creation and validation of a more robust cognitive screening and testing paradigm. Our previous work focused on modifying the MoCA but our new test is designed to be more sensitive and potentially to be used for longitudinal monitoring in our older patients pre- and post-implantation. We have started testing early versions in clinic and are hopeful that we will be able to have a version for more widespread distribution early next year.

Auditory Development & Regeneration

Alain Dabdoub & Trung Le

The Dabdoub Lab remains a leader in discovering the underpinning molecular biology of the inner ear. While my research program remains rooted in fundamental science, we are moving into a new phase that utilizes our foundational knowledge to develop regenerative therapies. We are entering a stage of developing novel therapeutic and delivery strategies for hearing and balance disorders.

All our accomplishments are a result of all the efforts of a dedicated group of trainees and the vision and support of the Sunnybrook otolaryngology department. Two graduate students successfully defended their work this year and the lab had several podium presentations at international meetings as well as international invited talks.

Our lab is supported by grants from the Natural

Sciences and Engineering Research Council – NSERC, the International Hearing Restoration Project – Hearing Health Foundation, and the Krembil Foundation as well as by the Koerner Foundation.

Follow us on Twitter: @LabDabdoub

Paediatric Cochlear Implant Research Lab

Karen Gordon, Blake Papsin, Adrian James, Sharon Cushing

This has been a year unlike any other but within the new realities of the COVID-19 pandemic, the Cochlear Implant Laboratory at the Hospital for Sick Children has continued 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 Jaina Neghandi, our Research Project Co-ordinator and Al Blakeman, our Research Project Co-ordinator.

We have had some changes in our graduate students and post-doctoral fellows. In August 2020, Robel Alemu successfully defended his MSc at the Institute for Medical Science (IMS) and began a PhD degree program at IMS in September 2020. He is assessing spatial hearing in children with and without hearing

loss and recently received a 1-year funding award from the Ontario Government Scholarship program. We were joined by Angela Fung in January 2020 who began her MSc degree program at IMS. She is investigating methods to improve access to binaural hearing in children with hearing loss.

Rebecca Benjamin is in the second half of her MSc program in IMS. Despite COVID-19 related restrictions, she was able to collect important data on postural stability in individuals with cochleovestibular impairments. The work has been recognized with a recent podium presentation at the virtual Conference on Implantable Auditory Protheses and with an award from the Collaborative Program in Neuroscience at the University of Toronto.

Dr. Carly Anderson completed her post-doctoral fellowship in our lab in May 2021. Her work pivoted this year to investigations of cortical plasticity in adolescents who receive bilateral cochlear implants through already collected EEG measures. She was awarded a prestigious Wellcome Trust Fund Fellowship (UK) and is now beginning work related to that award at the University of British Columbia. We also said farewell to Lee Phan who completed her MSc at IMS which focused on a collaborative project between our lab and that of Dr. Liz Pang on language processing in children with Autism Spectrum Disorder.

We were disappointed to have to cancel plans to take on several undergraduate summer students due to COVID-19 restrictions but were pleased to welcome a research volunteer, Maya Daien, in 2020 who supported studies on auditory function in children with genetic (GJB-2) and acquired (congenital cytomegalovirus) hearing loss and on effects of COVID-19 restrictions, including school closure, on children's auditory environments. This summer (2021) we were able to welcome Emily Wener, a medical student from the University of Ottawa, and Praveen Sritharan, an undergraduate student as summer students in person in the lab and Cole Sandler, an undergraduate student, was able to volunteer remotely.

We continue to have important collaborations both locally (Robert Harrison, Adrian James, Evan Propst, Susan Blaser, Frank Russo, Jenny Campos, Andrew Dimitrijevic, Elizabeth Pang, Birgit Ertl-Wagner), 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: 25 publications came out or are in the press. Between this summer and last, we collectively presented over 16 abstracts at international meetings and gave more than 20 invited talks at virtual international meetings.

Some highlights from the past year include:

- Karen Gordon appointed as Chair of OHNS Promotions Committee
- Five student/trainee awards including the Canada Graduate Scholarship-Master's Program to Robel Alemu
- Open Scholarship Award, Institute of Medical Science, University of Toronto to Robel Alemu and Angela Fung
- Summer Undergraduate Research Program 2019, Joint Funding Award, Institute of Medical Science, University of Toronto to Praveen Sritharan

OtoSim™ Lab

Paolo Campisi and Vito Forte

Dr.Vito Forte continues to serve as CEO and CTO of OtoSimTM 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 innovation for OtoSimTM and several other projects within the department.

The COVID-19 pandemic provided educational challenges and therefore the impetus to develop solutions such as remote simulation teaching models. This success to-date has been made possible thanks

to the ongoing efforts of team members and collaborators. The UofT clerkship has pivoted to the OtoSimTM Mobile to maintain clerkship activity. This innovative initiative has been led by Dr. Al Vescan and Dr. Stacey Bernstein (Clerkship Director, MD Program, Temerty Faculty of Medicine, University of Toronto) and made possible through a generous grant to the UofT. 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.

These technologies have been adopted by over 650 universities around the world. 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 completed a research project in collaboration with the Department of Dentistry (Dr. Eszter Somogyi-Ganss) and Craniofacial Prosthetics Unit to assess the use, retention, and satisfaction with craniofacial prosthetic devices. The team continues several innovative studies which focus on surgical technique and medical education. Dr. Higgins is the site lead for a multicentre tissue perfusion study which is looking at the assessment of pharyngeal mucosal perfusion status and outcome relative to pharyngocutaneous fistula. He is also the principal investigator on a multicentre thermal imaging assessment of pharyngeal mucosal perfusion status and outcome relative to pharyngocutaneous fistula study which uses novel app-based technology to map out perforators for free flap reconstructions. Both studies are active with prospective data collection. Another prospective research study examining the use and healing rates of CytalTM Wound Matrix on skin graft donor sites following free-flap procedures is currently in progress. In addition to providing residents and fellows with hands on microsurgical education in the operating room, a novel microsurgical educational model has been designed and is in final development. Future studies will assess its fidelity and use in education.

This year, the department was also very pleased to welcome radiation oncologist Dr. Andrew Bayley to our team who will assist in overseeing several head and neck quality improvement studies. Quality improvement studies at the Odette Cancer Centre are focused on improving time to radiotherapy in the adjuvant setting, staging documentation and

accuracy, and after-hours symptom screening/intervention.

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. The Sunnybrook site is an active site and contributor to the upcoming HN.11 study. We will be piloting the injection technique on site as one of the first centres to collaborate with Princess Margaret Hospital on this important study.

Dr. Martin Smoragiewicz, Dr. Antoine Eskander and Dr. Trung Le are leading multicentre clinical trials 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). Several upcoming trials are assessing the role of novel immunomodulatory agents in combination with immunotherapy and chemotherapy in recurrent/metastatic HNSCC. An active prehabilitation randomized trial is also open for frail patients undergoing head and neck surgery.

Dr. Antoine Eskander was recently awarded the American Association of Otolaryngology – Head & Neck Surgery (AAO-HNS) Health Services Research Grant and continues his work with his New Investigator Award from the Terry Fox Research Institute and Canadian Institute of Health Research (CIHR). In total Dr. Eskander has received nearly \$1,000,000 in peer-reviewed grant support. Dr. Eskander has also completed his probationary period at ICES as part of the Cancer Program and can now independently complete studies. Dr. Eskander has formal graduate appointment status and is on several thesis committees at the Institute of Health Policy, Management and Evaluation including co-supervision with Dr. Natalie Coburn

and one of our own residents, Dr. Christopher Noel, on his PhD thesis.

Many collaborative studies are being completed at Sunnybrook as part of the Canadian Society of Otolaryngology – Head & Neck Surgery (CSO-HNS) Collaborative Research Initiative. These studies include a study assessing locoregional failure in patients with T3 larynx cancer, a study assessing low grade salivary gland cancers and the role of adjuvant radiotherapy, survival outcomes in young patients with oral cavity cancer, and a study assessing the impact of targeted therapy on anaplastic cancer outcomes.

A recent focus has been on COVID-19 and its impact on the cancer system. Several funded studies are underway assessing the impact of the pandemic on cancer surgery, cancer incidence, emergency department use among cancer patients, telehealth use, imaging use, and cancer therapy received (chemotherapy and radiotherapy) as well as wait times. These studies have garnered the research team a lot of media attention including a CTV National News (Avis Favaro) and Globe & Mail (Kelly Grant) feature.

Other active health services research studies at ICES include 1) examining self-harm and psychological distress in cancer patients, 2) examining the impact of anesthesia case volume on outcomes in high-risk cancer surgery, and 3) assessment of patient-centered outcomes in older adults undergoing cancer surgery.

There are three active artificial intelligence and machine learning studies at Sunnybrook. The first assessing a natural language processing algorithm to capture staging data for patients with oropharynx cancer directly form the chart in collaboration with Pentavere. We are also involved in a multicentre study to assess the accuracy of a machine learning algorithm that would pre-screen thyroid cytology slides into a Bethesda classification system. Lastly, we are comparing conventional prediction modeling techniques to machine learning algorithms as it relates to predicting emergency department visits in head and neck cancer patients.

Head & Neck Surgical Research

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

The 2020-2021 academic year has been another productive and successful research year for the Wharton Head and Neck Cancer Surgery research program at the University Health Network. Research at the University Health Network takes place across the three sites, with the majority of research being conducted at the Toronto General Hospital and Princess Margaret Cancer Centre. The two major research programs are the head and neck oncology program and the otology/neurotology program. The head and neck surgical oncology investigators have affiliations with both the Ontario Cancer Institute and the Toronto General Research Institute. The research program is a multidisciplinary program with local, national and international collaborations. Dr. David Goldstein is the director of the head and neck surgical research program at the University Health Network. Members of the UHN head and neck surgical team have several research leadership roles including Dr. John de Almeida as the research lead for the University of Toronto Division of Head and Neck Oncology and Reconstructive Surgery within the Department of Otolaryngology-Head & Neck Surgery and Dr. Jonathan Irish serves as the core lead for the Guided Therapeutics program in the TECHNA Institute, University Health Network.

Over the past academic year the UHN surgeons had over 73 peer reviewed publications, and 7 book chapters published, which is a continued year over year increase. The Robertson Foundation clinical trials program has been established within the UHN head and neck surgical research program. Dr. John de Almeida and Dr. Ali Hosni (head and neck radiation oncologist at the University Health Network) are leading an international trial, the SELECT Trial – SPECT-CT Guided Treatment of the Contralateral Neck in Lateralized Oropharynx Cancer which is also being supported by the Canadian Cooperative Trials Group, as well as by the National Cancer institute in the United States. The Active Surveillance for low-risk thyroid cancer trial, led by

Dr. David Goldstein and Dr. Anna Sawka (Endocrinology, University Health Network), has been expanded out across Canada with recruitment starting at many of the Canadian university centres. The FIND trial-integration of transoral robotic surgery and tailored radiotherapy in the unknown primary cancer setting completed enrolment last year and will be reported early 2022.

Multicentre and co-operative group trials that are in the process of being opened at the UHN include the N-Acetyl Cysteine study to prevent hearing loss in patients undergoing chemoradiotherapy for head and neck cancer led by Dr. Antoine Eskander and Dr. Trung Le at Sunnybrook Health Science Centre (UHN Site Leads: Drs. John de Almeida and John Rutka) an NRG Oncology cooperative group study to evaluate sentinel node biopsy versus neck dissection in early-stage oral cavity cancer (UHN site lead- Dr. Douglas Chepeha). National collaboration in research either as a lead or participating site is being performed in conjunction with the Canadian Society of Otolaryngology- Head & Neck Surgery Collaborative Research Initiative (CRI) Head and Neck Group. There continues to be an ongoing international research collaboration in bioengineering for head and neck reconstruction, a collaboration between the UHN (Drs. Ralph Gilbert and Jon Irish) and the University of Brescia and University of Padua (Dr. Professor Piero Nicolai). Additional research collaborations in both retrospective and prospective research continued to be fostered with such centres as the Chris O'Brien Life House in Australia, University of Minnesota, University of Alabama, Memorial Sloan Kettering and MD Anderson Cancer Center. The Guided Therapeutics program work and accomplishments are covered in a separate report.

It has also been another outstanding year for grants. Dr. John de Almeida was the recipient of a Canadian Institutes of Health Research Project Grant in the amount of \$3,203,435 for his SELECT trial. Dr. Douglas Chepeha is a co-investigator on this grant. As well, Dr. de Almeida received a Harry Barberian Grant in the amount of \$10,000. Dr. Irish was a co-investigator on a St. Michael's Hospital Foundation

Research Investment Council Grant in the amount of \$190,000. Thanks to the generosity of the Shen Family Charitable Foundation, a comprehensive Head and Neck Surgery database is being created that will incorporate data collection into current clinical workflows. Using this approach, patient information will be gathered in real-time from multiple data sources throughout the continuum of care. Implementing this database will help create an all-encompassing clinical research database for Head and Neck oncologic patients that builds on the Anthology of Outcomes Head and Neck Radiation Database. It will also leverage technology to improve clinical workflow while populating clinical database with real time surgical data, outcomes and treatment effects, as well as provide a foundation to help build on our research program in data science and machine learning. Dr. Christopher Yao will soon joining the research program at the UHN as a surgeon investigator whose research focus will be in machine learning and artificial intelligence in head and neck surgery.

Lastly, training and education in research continues to be a priority at the UHN. Our researchers have continued to supervise and train undergraduate students, medical students, residents and fellows in research in otolaryngology-head and neck surgery. Two recent trainee awards at the recent 29th Annual Percy Ireland Academic Day included Best Overall Paper by Hedyeh Ziai (Supervisor: Dr. J. de Almeida) for her work "Machine Learning, Statistical, and National Surgical Quality Improvement Program (NSQIP) Risk Calculators for Predicting Length of Stay After Major Oral Cavity Cancer Surgery" and Best Paper PGY 2 by Adam Kwinter (Supervisor: Dr. D. Goldstein) for his work on "Quantifying Neck Fibrosis and its Quality-of-Life Implications: Development and Validation of the Neck Fibrosis Scale".

Head & Neck Oncology Research (SH)

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

This year continues to be difficult due to the

pandemic and access to the lab. 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).

The recent reclassification of NIFTP raised the need for rebuilding the clinical, histologic, cytological and molecular parameters, including re-evaluation of the previously examined biomarkers, for assisting in the diagnosis of this subset of indolent noninvasive tumors from invasive encapsulated follicular variant of papillary thyroid carcinoma (EFVPTC). In one of our retrospective studies, we have established or refined the diagnostic value of Gal-3 expression as an ancillary marker in identifying NIFTP among encapsulated follicular variant nodules1. In addition, the early accurate diagnosis of cancer is still a challenge. Thyroid cancer (90% papillary, PTC) is common, but an estimated 30% of ultrasound-guided fine needle aspirations (FNAs) of thyroid

nodules are indeterminate. In our most recent study, we have developed a novel molecular assay to detect BRAF mutation on residual FNA biopsy for definitive diagnosis of malignancy, hence sparing patients from a repeat FNA cytology or diagnostic surgery2.

- 1. Fu G., Polyakova O, Chazen RS, Freeman J, Witterick I. Diagnostic value of Galectin–3 in distinguishing invasive encapsulated carcinoma from noninvasive follicular thyroid neoplasms with papillary–like nuclear features (NIFTP). Cancers 2021,13(12), 2988.
- 2. Fu G., Chazen R.S., MacMillan C., Witterick I. Development of a molecular assay for detection and quantification of the BRAF mutation in residual tissue from thyroid nodule fine-needle aspiration biopsy specimens. JAMA Network Open 2021, 1;4(10).

Head & Neck Translational Program

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 peer-reviewed publications in leading scientific journals. This year has seen numerous advances in HNC research. First, I would like to congratulate the

clinical trials teams at the Princess Margaret Cancer Centre (PM) - University Health Network (UHN). Based on accrual updates shared at the 2021 NRG Oncology semi-annual virtual meeting for January to June 2021, the site accruals at the PM-UHN for NRG clinical trials are number one in Canada, number two in Non-US sites, and number four in Global Main Member Sites! In particular, two HNC trials (NRG-HN007 and NRG-HN004) are among the top accruing clinical studies at the PM.

Secondly, Dr. Scott Bratman has been appointed as the Dr. Mariano Antonio Elia Chair in Head and Neck Cancer Research for a 5-year term, effective December 1, 2020. The Dr. Mariano Antonio Elia Chair was established in 2001 with the vision to create a future of personalized HNC therapy with no toxicity. Since his arrival at the Princess Margaret in 2014, Dr. Bratman has rapidly established himself as an internationally recognized expert in liquid biopsy, HNC, and personalized radiation medicine. His research program encompasses HNC-focused clinical and translational studies, with the overarching goal of developing biomarkers for improved diagnosis and treatment of HNC. In this role, Dr. Bratman aims to advance HNC research on multiple fronts, both in his laboratory and in partnership with clinical colleagues, data scientists, clinical trial groups, as well as industry.

Finally, a research team led by Dr. John Waldron and Ms. Sophie Huang published a study in Cancer, which confirmed the clinical utility of hypofractionated radiotherapy (RT-hypo) in subsets of head and neck squamous cell carcinoma (HNSCC) patients receiving treatment during the COVID-19 pandemic. The authors proposed that delivery of RT-hypo in place of concurrent chemoradiotherapy could reduce hospital visits and bypass immunosuppressive effects of chemotherapy to decrease risk of COVID-19 infection.

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 (Israel), Marco Ferrari MD (Italy), and Catriona Douglas MD (UK)

GTx Fellows:

Drs. Axel Sahovaler, Donovan Eu, Catriona Douglas and Sharon Tzelnick

GTx Visiting Residents (Italy-Toronto Collaboration):

Drs. Stefano Taboni, Tommaso Gualtieri and Leonardo Franz

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). This year the GTx engineering, physics and scientific staff have been supporting the construction and development of operating room services at Sinai Health. During the past year, the GTx Program has

continued to focus on translational research and the development of a broad range of new and continuing research projects:

Research:

- As part of the \$5.5M 7-year Terry Fox New Frontiers Program Project Grant for "Porphysome Nanoparticle-Enabled Image-Guided Cancer Interventions", 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. 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 photothermal therapy (PTT) as a potential treatment option for oral cavity and papillary thyroid cancer. Nanoparticle production scale up and preclinical studies completed as part of this collaboration is anticipated to lead to Health Canada IND approval and first in human clinical trials in 2022.
- Building upon the research completed as part of the Terry Fox New Frontiers Program Project, the GTx program is nearing completion of studies in pre-clinical small animal models to determine safety, efficacy and feasibility of using porphysome nanoparticles for PDT or PTT treatment and fluorescence image guided surgery for H&N cancers. A new focus has emerged on establishing a collaboration with Ontario Veterinary College for translation research with a clinical veterinary dog population for optimization of safety, equipment and workflow,

- and efficacy in a size scale appropriate and spontaneously occurring non-human clinical population.
- Developed a 3D fluorescence imaging system for head and neck surgical guidance (OHNS Raymond Ng & Wendy Chui Innovation Fund); in 2021 demonstrated use of spatial frequency structured illumination to generate tumour depth maps in pre-clinical models (Daly et. al, SPIE BiOS, 2021).
- Continued multiple collaborative projects with University and Brescia and University of Padua (Italy) focused on 3-dimensionally printed stem cell scaffolding for bone reconstruction and other head and neck reconstruction projects (Irish/Gilbert/GTx).
- Improved reconstruction through new 3D modelling and multi-material printing capabilities. Additionally, in 2020-21, GTx 3D printing resources were used to produce supplies for UHN COVID requirements and related experiments (Davies et al, Laryngoscope, 2020).
- Evaluated custom augmented reality (AR) and virtual reality (VR) technologies for surgical training and guidance; in 2021, conducted preclinical studies quantifying the accuracy and usability of an in-house AR system for guiding sinonasal tumour resection (Sahovaler et. al., Frontiers in Oncology, Submitted 2021).
- Developed and translated image-guidance and 3D intraoperative imaging technologies for open and endoscopic sinonasal and maxilla resection; in 2021 completed pre-clinical study showing improved delineation of the posterior maxillary margin during endoscopic resection (Taboni et. al., Frontiers in Oncology, Submitted 2021).
- Reported on the use of cone-beam CT imaging for otology applications, including a feasibility study completed this year with colleagues from Sunnybrook (Drs. Dahm, Chen & Le) on eustachian tube dilation using a standard endovascular balloon (Dahm et. al., Otology &

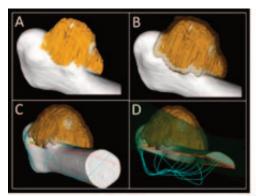
- Neurotology, 2021).
- Conducted an international questionnaire-based study (Douglas et. al.) on OHNS health staff worries and perceptions of information during the COVID-19 pandemic. Responses were obtained from staff in Canada, the UK, Israel, Italy, Argentina and Singapore.

Education:

- Fellowships: 1) Donovan Eu successfully completed 2 years as GTx research (1 yr) and GTx clinical (1 yr) fellow and has returned to Singapore as a consultant at National University Hospital, 2) Tommaso Gualtieri, the 3rd GTx-Italy research fellow, successfully completed fellowship in February 2021 and has returned
- Supervised co-op students working on 3D fluorescence from undergraduate/graduate programs in biomedical engineering and medical physics, including: Jacqueline Fleisig (U of T); Ashley Gilbank, Murtuza Rajkotwala, Yasmeen El-Rayyes, and Arjun Jagota (McMaster).

Infrastructure Development:

- A replacement for the old cone-beam CT is being installed in the GTx lab. A new Siemens Cios Spin is currently being installed and will be ready for ongoing and new applications in fall 2021.
- A milestone has been reached in our ongoing collaboration with the Sinai Health team lead by Drs. Jay Wunder and Peter Ferguson. A new operating room (MS GTx2) has been built and is currently being equipped to translate GTx surgical navigation technology to Sinai Health ORs for osteosarcoma surgeries. It is anticipated the first clinical trials will occur in 2022.
- Preparation for translation (2022) of previously established machine learning techniques to recognize surgeon hand gestures for intraoperative visualization of 3D imaging in a sterile surgical environment.



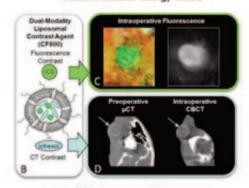
Sternheim et al., Int J Comput Assist Radiol Surg, 2021



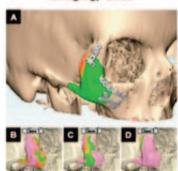
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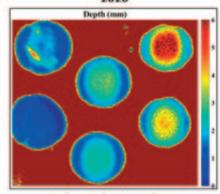
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Modified From Muhanna et al., Nanomedicine, 2021



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Daly et al, SPIE BIOS Feb 2021

Rhinology

Rhinology Research (SMH)

John Lee

2020–2021 marked one of the most productive years in our rhinology research program at St. Michael's Hospital. Despite ongoing clinical research restrictions imposed by the COVID–19 pandemic, we were able to find novel ways to be creative and publish a high volume of manuscripts in the fields of rhinology/skull base surgery. As always, I want to thank the Dunin Foundation for their ongoing support of our research agenda and the Harry Barberian Foundation which has provided several scholarships for our resident trainees. Below are some of the highlights from this past year:

- 1) A total of 17 peer-reviewed manuscripts were published in the following journals this past year:
 - a. Journal of Otolaryngology-Head & Neck Surgery (4)
 - b. Ear, Nose & Throat Journal (3)
 - c. International Forum of Allergy and Rhinology (2)
 - d. Laryngoscope (1)
 - e. Laryngoscope Investigative Otolaryngology (1)
 - f. Journal of Neurological Surgery Part B: Skull Base (2)
 - g. American Journal of Rhinology and Allergy(1)
 - h. Journal of Neuro-Ophthalmology (1)
 - i. Clinical Neurology and Neurosurgery (1)
 - j. British Medical Journal Open (1)

Many of these studies were led by our incredibly dedicated trainees who are truly the force behind our research program: Drs. Daniel Lee (PGY4), Shireen Samargandy (PGY4), Justin Cottrell (PGY4), Amr Hamour (PG3), Jong Wook Lee (PGY-3), Vincent Wu (PGY3), Marc Levin (PGY1). I also want to recognize Elysia Grose, Gianluca Sampieri

and Pouyan Namavarian who were all 4th year medical students working with me during this time. We are fortunate that all three of them have matched into our residency program and I am excited to be able to continue working with them during their training.

2) Scientific meetings this past year have unfortunately remained virtual because of the ongoing pandemic. Despite that, our research program continues to be well represented at many of the local, national and international meetings. At the American Rhinologic Society Spring Meeting at COSM 2021 (virtual), Gianluca Sampieri and Pouyan Namavarian were co-presenters on a systematic review paper examining HPA-axis suppression and intranasal corticosteroid use. At the Canadian Society of Otolaryngology-Head & Neck Surgery Annual Meeting 2020 (virtual), Dr. Shireen Samargandy (PGY3) presented on medical and surgical treatment outcomes in patients with chronic rhinosinusitis and immunodeficiency while Elysia Grose presented on surgical outcomes in patients with aspirin exacerbated respiratory disease. Impressively, at our departmental resident research day (Percy Ireland Academic Day), there were a total of four resident trainee presentations from the SMH rhinology research program. While we have continued to adapt and be creative doing research during this time, I look forward to the upcoming year where we hopefully will be able to return to more inperson clinical research activities.



humanitarian outreach

Humanitarian Outreach

Face the Future Foundation

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

As with so many other activities, our Face the Future humanitarian surgical missions to less developed countries are being curtailed by the COVID-19 pandemic.

Our planned mission to Addis Ababa, Ethiopia in November 2020 has been postponed. Nonetheless, our team has kept in communication with our colleagues and have been supporting them virtually with advice on challenging cases. There is also an educational webinar series being developed to engage the faculty and residents in the maxillofacial surgery program at Addis Ababa University until such time we can mount our next mission.

Our planned missions to Nepal and Rwanda early in 2021 may also need to be postponed, in which case virtual educational series are also being developed.

On a very positive note, Face the Future Foundation has been the recipient of a substantial donation from

Nicole Crimi, a second-year medical student at McMaster University. Nicole created the concept and has written and illustrated a children's book titled "Patty and the Pandemic." (www.pattyandthepandemic.org). The book tells the story of Patty and her friends and how they can empower themselves to practice safe public health measures, while still enjoying each other, during the pandemic. The book has been very well received by the public and by the Government of Ontario, which is promoting the book to school boards. Nicole has had many media appearances and virtual readings for children aged 3 to 8. Dr. Adamson supported her efforts and wrote the Forward for the book. Nicole wished all proceeds from the book to benefit children and has generously designated Face the Future as the recipient of her book's success.



Northern Ontario Outreach Program

Drs. Paolo Campisi, Vincent Lin and Eric Monteiro

Northern Ontario Outreach Program at the Sioux Lookout Meno Yan Win Health Centre led by Drs. Paolo Campisi, Vincent Lin and Eric Monteiro. Dr. Justin Lui (Fellow) accompanied them on this trip.





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Recommendations for Head and Neck Surgical Oncology Practice in a Setting of Acute Severe Resource Constraint During the COVID-19 Pandemic: An International Consensus.

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Suspension Microesophagoscopy for Foreign Body Removal in Children.

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Importance of Margins, Radiotherapy, and Systemic Therapy in Mucosal Melanoma of the Head and Neck.

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Pre- and Post-Radiotherapy Radiologic Nodal Features and Oropharyngeal Cancer Outcomes.

Laryngoscope. 2021 Apr;131(4):E1162-E1171. Epub 2020 Oct 1. PMID: 33002201.

Simon F, Peer S, Michel J, Bruce IA, Cherkes M, Denoyelle F, Fagan JJ, Harish M, Hong P, James A, Jia H, Krishnan PV, Maunsell R, Modi VK, Nguyen Y, Parikh SR, Patel N, Pullens B, Russo G, Rutter MJ, Sargi Z, Shaye D, Sowerby LJ, Yung M, Zdanski CJ, Teissier N, Fakhry N.

IVORY Guidelines (Instructional Videos in Otorhinolaryngology by YO-IFOS): A Consensus on Surgical Videos in Ear, Nose, and Throat.

Laryngoscope. 2021 Mar;131(3):E732-E737. Epub 2020 Aug 17. PMID: 33270236.

Thyroid

Sawka AM, Ghai S, Yoannidis T, Rotstein L, Gullane PJ, Gilbert RW, Pasternak JD, Brown DH, Eskander A, Almeida JR, Irish JC, Higgins K, Enepekides DJ, Monteiro E, Banerjee A, Shah M, Gooden E, Zahedi A, Korman M, Ezzat S, Jones JM, Rac VE, Tomlinson G, Stanimirovic A, Gafni A, Baxter NN, 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.

Trends in Hearing

Deep NL, Purcell PL, Gordon KA, Papsin BC, Roland JT Jr, Waltzman SB.

Cochlear Implantation in Infants: Evidence of Safety.

Trends Hear. 2021 Jan-Dec; 25:23312165211014695. PMID: 34028328.

Purcell PL, Deep NL, Waltzman SB, Roland JT Jr, Cushing SL, Papsin BC, Gordon KA.

Cochlear Implantation in Infants: Why and How.

Trends Hear. 2021 Jan-Dec; 25:23312165211031751. PMID: 34281434.

Ultrasound in Medicine & Biology

Saha S, Rattansingh A, Viswanathan K, Saha A, Martino R, Yadollahi A.

Ultrasonographic Measurement of Pharyngeal-airway Dimension and its Relationship with Obesity and Sleep-Disordered Breathing.

Ultrasound Med Biol. 2020 Nov;46(11):2998-3007. Epub 2020 Aug 9. PMID: 32782086.

World Neurosurgery

Bernat AL, Troude P, Priola SM, Elsawy A, Farrash F, Mete O, Ezzat S, Asa SL, de Almeida J, Vescan A, Monteiro E, Almeida JP, Zadeh GM, Gentili F.

Endoscopic Endonasal Pituitary Surgery for Nonfunctioning Pituitary Adenomas: Long-Term Outcomes and Management of Recurrent Tumors.

World Neurosurg. 2021 Feb;146:e341-e350. Epub 2020 Oct 22. PMID: 33203535.

Non-Peer-Reviewed Publications

Carrier G, Rodriguez V, Martino R.

Dysphagia Assessment and Treatment During the COVID-19 Pandemic: Lessons Learned From the Transition to Tele-practice. Speech-Language & Audiology Canada (SAC) Communiqué.

Falls, C.

Looking to the Future of Vestibular Practice in Canada.

Canadian Audiologist (Striking the Right Balance). 2020, 7, 6. Retrieved from: https://canadianaudiologist.ca/issue/volume-7-issue-6-2020/feature-2/

Falls, C.

The Future of Fall Detection.

ENT & Audiology Reviews (Tech Reviews). 2021, 29, 6, 113.

Falls, C.

Tinnitus Apps (Revisited).

ENT & Audiology Reviews (Tech Reviews). 2021, 30, 1. Retrieved from: https://www.entandaudiologynews.com/reviews/tech-reviews/post/tinnitus-apps-revisited

Gevorgyan A.

My top 10 Cybersecurity Tips.

The Medical Post. April 2021, p.58-59. https://issuu.com/ensembleig/docs/mp-0421



presentations

Visiting Professorships and Invited Lectures

INTERNATIONAL MEETINGS

ARGENTINA

PAPSIN, B

2020 Oct

Invited Faculty. A New Implant for Improving Hearing Performance for Single Sided Deafness & Mixed or Conductive Hearing Loss. Cochlear Corporation Workshop and Webinar on OSIA Bone conduction Implants. Buenos Aires, Argentina.

CHILE

CHEN, J

2020 Aug

Invited Speaker. Ontario Cochlear Implant Program-Program building and advocacy. Panellist- Panel Discussion: Healthcare Advocacy & Funding. Chilean Society: Otology Webinar.

ITALY

CAMPISI, P

2021 May Invited Speaker. Pediatric Head and Neck Tumours Causing Airway Compromise and the Role of Fetal and

Perinatal Intervention. 107th Congress of the Italian Society of Otorhinolaryngology — Head and Neck Surgery.

Milan, Italy (virtual).

2021 Mar Invited Speaker. Pediatric Airway Surgery, Airway Papillomatosis. Fondazione Internazionale Menarini and

Bambino Gesu Hospital. Rome, Italy (virtual).

2021 Jan Invited Speaker. Think Tank in Otolaryngology. My Child has Lymphadenopathy. When Should I be concerned?

Universita Campus Biomedico di Roma. Rome, Italy (virtual).

SAUDI ARABIA

CAMPISI, P

2021 Mar Invited Speaker. Head & Neck Masses and Airway Problems in Children. Third Annual King Abdulaziz

University Research Day. Jeddah, Kingdom of Saudi Arabia (virtual).

PAPSIN, B

2020 Nov Invited Faculty. A New Implant for Improving Hearing Performance for Single Sided Deafness & Mixed or

Conductive Hearing Loss. Cochlear Corporation Workshop and Webinar on OSIA Bone conduction Implants.

Riyadh, Saudi Arabia.

UNITED KINGDOM

CAMPISI, P

2021 Jan Keynote Address. Recurrent Respiratory Papillomatosis in the 21st Century. British Academic Conference of

Otorhinolaryngology – Head and Neck Surgery (BACO 2020) Distinguished Professor. Birmingham, United

Kingdom.

2021 Jan Invited Speaker. Pediatric Update: The Drooling Child. Surgical Options. British Academic Conference of

Otorhinolaryngology – Head and Neck Surgery (BACO 2020) Distinguished Professor. Birmingham, United

Kingdom.

PAPSIN, B

2020 Aug Invited Faculty. The Missing Cohort: Can we Track and Trace Deafness too? Global CI Collaborative: Futures

Forum: Webinar Series (Webinar 3 of 5 - Assuring Early Cl Intervention Post-Covid-19), Nottingham UK.

UNITED STATES

CAMPISI. P

2020 Sept Course Co-Instructor. Recurrent Respiratory Papillomatosis Part I: Understanding the Changing Landscape

after Introduction of HPV Vaccination. American Academy of Otolaryngology-HNS Annual Mtg and OTO Expo.

Boston, MA, United States. Presenter(s): P. Campisi, C. Derkay (virtual).

2020 Sept Course Co-Instructor. Recurrent Respiratory Papillomatosis Part II: Innovations in Management and Evolution

of a New Algorithm for Treatment. American Academy of Otolaryngology-HNS Annual Mtg and OTO Expo.

Boston, MA, United States. Presenter(s): P. Campisi, C. Derkay (virtual).

CHEPEHA, D

2021 Jan Presenter. Neck Dissection Impairment Index (NDII). University of Michigan- Department of Otolaryngology,

Head and Neck Surgery. Michigan (virtual).

2021 Jan Presenter. Sentinel Node for Oral Cavity Carcinoma: An Understudied Intervention. University of Alabama

Grand Rounds. Alabama (virtual).

CUSHING, S

2021 Jun Keynote Speaker. Restoration of 3-dimensional Perception in Children After Labyrinthine Implantation:

Auditory and Vestibular Effects. Burton Soboroff MD Lecturer: University of Illinois College of Medicine,

Department of Otolaryngology Alumni Day and Resident Graduation Symposium.

ESKANDER, A

2021 Apr Invited Speaker: Eskander A. Multidisciplinary Care Post COVID: Did We Evolve or Simply Pivot. Co-speakers:

Quon H, Sacco A, Evangelista L, Malloy K, Moore M. Combined Otolaryngology Spring Meetings, Atlanta, GA

2020 Sept Invited Speaker: Eskander A. HPV Status Updates in Head and Neck Cancer Co-Speakers: Monteiro E, de

Almeida J, Nichols A. American Academy of Otolaryngology – Head and Neck Surgery Annual Meeting,

Boston, MA.

Meeting.

PAPSIN, B

2021 Feb

Guest Speaker. Exploration of (Auditory) Space: What we Have Learned from Humans with Single Sided Deafness. Chicago Laryngological & Otological Society. Chicago, IL.

VIRTUAL

ADAMSON, P	
2021 Jun	20 Questions. The Rhinoplasty Podcast. "American Legends." Society of Rhinoplasty Surgeons of South Africa (SORSSA).
2020 Sept	No Tricks-Just Tried and True Nasal Tip Techniques-My 40 Year Experience. Colombian Society of Facial Plastic and Reconstructive Surgery (virtual).
2020 Oct	All Roads Lead to Board Certification. Facial Reconstructive and Cosmetic Surgery India Trust (virtual).
2020 Dec	Aesthetic Otoplasty. Department of Otolaryngology-Head and Neck Surgery, University of California Irvine, Grand Rounds (virtual).
2020 Dec	Alar Base Reduction. Facial Reconstructive and Cosmetic Surgery India Trust (virtual).
2021 Mar	Nasal Evaluation and Surgical Goals in Rhinoplasty. Kirtipur Cleft and Burn Hospital Face the Future Teaching Series, Kathmandu, Nepal (virtual).
CAMPISI, P 2021 Jun	Invited Speaker. Alternative Tests for the Identification of Obstructive Sleep Apnea in Children: A Systematic Review. MacLean JE, Adeleye A, Van Dam A, Abusido T, Adamko DJ, Amin R, Campisi P, Constantin E, Duncan JA, Dyck G, Jones J, Kevat A, Lee J, Shi J, Zelman M. American Thoracic Society meeting 2021.
CHAN, Y 2021 Apr	Panellist. Dupilumab CRSwNP Global Advisory Board. Sanofi Genzyme (virtual).
2021 Mar	Invited Speaker. Tracheostomy in the ICU Patient: An Otolaryngologist's Perspective. Cook Medical International Sales Team Retreat (virtual).
2020 Nov	Moderator and Panellist. Primary Frontal Sinus Surgery: To Do or Not to Do? American Rhinologic Society Summer Sinus Symposium (virtual).
2020 Aug	Panellist. Aspirin-Exacerbated Respiratory Disease Podcast. AAO-HNS Focused Lifelong Education Xperience (FLEX) Podcast Recording.
2020 Jul	Invited Speaker. Where is the CSF Leak? Virtual Rhinology – Skull Base International Interface Meeting (virtual).
CUSHING, S 2021 Apr	Invited Speaker. Vestibular Disorders in Children (and treatment). Vestibular Implant and Related Technologies

2021 Apr	Invited Panel Chair/Moderator. Challenges with Cochlear Implants: Approach and Selection. International Otology Neurotology Symposia. CSurgeries. Virtual. Panellist(s): Cushing SL, Wick C, Naples JG.
2021 Apr	Invited Panellist. Endoscopic Management of Cholesteatoma. International Otology Neurotology Symposia. CSurgeries. Virtual. Panellist(s): Cushing SL, Kutz W, Saxby A, Choo D.
2021 Apr	Invited Panellist. Pediatric Potpourri: Challenging Cases to Stump the Stars. ANS, 56th Annual Spring Meeting. Virtual. Presenter(s): O'Reilly RC, Moody Antonio SA, Cushing SL, Huang TC, Dornhoffer JL.
2021 Apr	Invited Panellist. Mini-Seminar: Single-Sided Deafness: Evolving Paradigms for Management. APSO Annual Spring Meeting. Virtual. Presenter(s): Alfonso K, Anne S, Cohen M, Arenberg JG, Cushing SL.
2021 Mar	Invited Speaker. Bone Conduction Hearing Aids: Shifting Burden to Benefit. The 7th MUSC Pediatric Audiology Conference, Implantable Pediatric Hearing Devices.
2021 Feb	Invited Speaker. 1. Cochlear Implants & Children with Vestibular Impairments. 2. Restoring Connection with Cochlear Implants: What Are We Missing? Alabama Speech and Language Society.
2021 Feb	Invited Speaker. Restoration of 3-dimensional Perception in Children after Labyrinthine Implantation: Auditory and Vestibular Effects. ARO Presidential Symposia.
2021 Jan	Invited Speaker. Early Diagnosis and Management of Childhood Deafness: A Barrier then and a Barrier Now. IAPO.
2021 Jan	Invited Speaker. Restoring Connection with Cochlear Implants: What Are we Missing? Virtual Grand Rounds. Hospital of the University of Pennsylvania. Otolaryngology Head & Neck Surgery.
2020 Dec	Invited Panellist. Single Sided Deafness and Cochlear Implantation: ENT, SLP, Audi Perspectives. Society for Ear Nose and Throat Advances in Children Virtual Annual Meeting. Presenter(s): Vilchez LD, Preciado D, Jocewicz R, Haggerty A, Cushing SL.
2020 Oct	Invited Speaker. Restoring Connection with Cochlear Implants: What Are We Missing? Audiology Online. American Audiologic Society.
2020 Oct	Invited Speaker. Hearing and Balance: Impact and Outcomes of Dual Sensory Impairments in the Pediatric Population. CAA.
2020 Sep	Invited Speaker. Evaluation, Diagnosis and Management of Vestibular and Balance Dysfunction in Children. International Online Vestibular Diploma.

DABDOUB, A

2020 Invited Speaker. Precision Diagnostics. Precision Medicine. MedEl Cochlear Implant Company annual meeting (virtual).

DE ALMEIDA, J

2021 Apr Invited Speaker. SELECT Trial: SPECT CT Guided Treatment of the Contralateral Neck in Patients with Lateralized OPC: A Phase 3 RCT. CCTG Annual Spring Meeting.

NB.

2021 Apr	Invited Speaker. SELECT Trial: SPECT CT Guided Treatment of the Contralateral Neck in Patients with Lateralized OPC: A Phase 3 RCT. EORTC Annual Spring Meeting.
2021 Mar	Moderator. Importance of Margins, Radiotherapy, and Systemic Therapy in Mucosal Melanoma of the Head and Neck. AHNS International Skull Base Tumor Board. Panellists: Dan Fliss, Ricardo Carrau, Piero Nicolai, Eugene Yu, Marc Cohen.
2021 Feb	Presenter. Update on Developing a Head and Neck Cancer Utility Instrument, Head and Neck Cancer International Group, HNCIG Board Meeting.
2020 Dec	Invited Speaker, Evolution of Management of Oropharyngeal Cancer Through Clinical Trials, Southern Illinois University Grand Rounds.
2020 Nov	Speaker. SELECT Trial, Previously Untreated Locally Advanced Task Force, National Cancer Institute.
2020 Oct	Speaker. SELECT Trial, EORTC Head and Neck Meeting.
2020 Sep	Invited Panellist. Skull Base Cases. AHNS Tumor Board (virtual).
2020 Sep	Invited Speaker. Management of Unknown Primary and HPV Disease Outside of the Oropharynx. AAOHNS Meeting (virtual).
2020 Jul	Invited Speaker. Robotic Reconstruction of the Oropharynx: Concepts and Techniques). COMEd (Continued Online Medical Education) Series on Minimally Invasive Head and Neck Surgery – Module 2 (Robotic Surgery) (virtual).
2020 Jul	Invited Speaker. Development of a Head and Neck Specific Preference Based Measure (utility). Head and Neck International Group (virtual).
ENEPEKIDES, D	
2021 Jul	Invited Speaker. Post-Oncologic Reconstruction of the Parotid and Facial Nerve. Management of Salivary Gland Malignancy. 10th International Conference on Head and Neck Cancer (virtual).
2021 Apr	Invited Panellist. Head and Neck Fellowships: Have We Evolved? American Head and Neck Society Section, Combined Otolaryngology Spring Meetings (virtual).
ESKANDER, A	
2020 Nov	Invited Speaker. Surgeon Led Clinical Trials. Co-Speakers: de Almeida J, Sadeghi N, Nichols A, MacNeil D, Le T, Goldstein D, Chepeha D, Higgins K. Canadian Society of Otolaryngology — Head & Neck Surgery Annual Meeting, Fredericton, NB.
2020 Oct	Invited Speaker. Quality Based Procedures in Thyroid and Head and Neck Oncology. Co-Speakers: Monteiro E, Irish J, Enepekides D. Canadian Society of Otolaryngology — Head & Neck Surgery Annual Meeting, Fredericton, NB.
2020 Sept	Invited Speaker. Artificial Intelligence for the Otolaryngologist: Looking Past the Hype. Co-Speakers: Crowson M, de Almeida J. Canadian Society of Otolaryngology – Head & Neck Surgery Annual Meeting, Fredericton,

(virtual).

FREEMAN, J 2021 Mar	Moderator. Surgical Management of Thyroid Cancer. World Congress on Thyroid Cancer 4 (virtual).
ZUZ I IVIAI	woderator. Surgical Management of Thyroid Cancer, World Congress on Thyroid Cancer 4 (virtual).
2020 Nov	Invited Speaker. Surgery of the Thyroid and Parathyroid Glands. Virtual Course, Harvard University.
2020 Oct	Invited Speaker. Clinico-pathological Correlation of Thyroid Nodule Ultrasound and Cytology Using the TIRADS and Bethesda Classifications. Academia of Head & Neck Oncology at Karnataka, COMEd Series, Head and Neck – Thyroid (virtual).
2020 Oct	Invited Speaker. Approach to Locoregional Recurrent WDTC – Utility of Thyroglobulin, Molecular and Cellular Biology Markers in Thyroid Cancers. Academia of Head & Neck Oncology at Karnataka, COMEd Series, Head and Neck – Thyroid (virtual).
2020 Sept	Invited Speaker. Surgical Management of Thyroid Nodular Disease — Personal Evaluation Throughout 4 Decades of Practice. Virtual Journal Club, Thyroid, Head and Neck Cancer Foundation.
GANTOUS, A 2021 May	Invited Faculty. Surgical Management of the Nasal Valve. 3rd Bogota Hands-on Rhinoplasty and Facial Plastic Surgery Course (virtual).
2021 May	Invited Faculty. Technical Approach to Upper and Lower Blepharoplasty. 3rd Bogota Hands-on Rhinoplasty and Facial Plastic Surgery Course (virtual).
2021 Mar	Invited Faculty. Ethnic Rhinoplasty: Is It All the Same? 1st Ibero-American Day of Rhinoplasty – Sociedad Española de Otorrinolaringología y Cirugía de Cabeza y Cuello (virtual).
2021 Mar	International Faculty. Managing the alar-Columellar Relationship. 27th Rhino Egypt — 12th Pan-Arab Rhinology Society Meeting (virtual).
2021 Jan	Invited Faculty. Harvesting of Cartilage Grafts. Sociedad Española de Cirugía Plástica Facial Webinar Series.
2020 Dec	Invited Faculty. Tips for Revision Rhinoplasty. 17th International Congress of the ENT Iranian Society (virtual).
2020 Nov	Invited Faculty. Reconstruction of the Severe Nasal Collapse. 73rd Anniversary Congress of F.A.S.O.
2020 Nov	Faculty and Team Canada Leader. Management of the Severe Nasal Collapse. World Rhinoplasty Day 2020 (virtual).
2020 Sept	Invited Faculty. Management of the Catastrophic Saddle Deformity. EAFPS Annual Meeting- 1st Virtual Congress.
2020 Sept	Invited Faculty. Harvesting Rib Grafts: Reducing Pain. EAFPS Annual Meeting- 1st Virtual Congress.
GORDON, K 2021 Jan	Invited Speaker. Cochlear Implantation in Children with Single Sided Deafness: Evidence of Plasticity and Benefits of Bilateral Hearing. Department of Audiology, US Department of Defense

2020 Oct	Invited Speaker. Importance of Binaural Hearing in Children: Evidence from Children Using Cochlear Implants for Unilateral and Bilateral Deafness. Annual Meeting of the South African Cochlear Implant Group (virtual).
IRISH, J 2021 Aug	Keynote Speaker. 1. The Era of Nanotechnology: How Will Head and Neck Surgery Change in the Future? 2. Thyroid Nodules and Cancer: Current Concepts. 3. The Tsunami After the Earthquake: The Effects of COVID-19 on Cancer Services in Canada. 4. Using Performance Data to Improve Cancer Care: The Ontario Cancer Care Experience. The Australian and New Zealand Head and Neck Cancer Society Conference (virtual).
2021 Apr	Keynote Speaker. The Tsunami after the Earthquake: The Effect of COVID-19 on Cancer Services. COSM 2021-AHNS Annual Meeting (virtual).
2021 Feb	Keynote Speaker/Panellist. 1. The Tsunami After the Earthquake: The Effect of COVID-19 on Cancer Services. 2. Tumour Boards in the Era of COVID-19. Israeli Society of Head and Neck Surgery and Oncology (virtual).
2020 Aug	Panellist/Speaker. Thyroid Cancer Quality Care: Moving from "Expert Opinion" to Implementation: Review of the Canadian Experience. American Academy of Otolaryngology-Head and Neck Surgery Instructional Course. Boston, MA (virtual).
2020 Jul	Keynote Speaker. The Ramp-up of Telemedicine in the Wake of COVID-19: A Needs-based Innovation. Global Head and Neck Cancer Awareness Day (Webinar).
JAMES, A	Invited Charley Tatally Endaggania For Curgary in Children ÖNU Daggran Örahra Curadan (virtual)
2021 May	Invited Speaker. Totally Endoscopic Ear Surgery in Children. ÖNH-Dagarna, Örebro, Sweden (virtual).
2021 May	Keynote Speaker. Cholesteatoma: Improving Interventions and Outcome. ENT EES Webinar, University of Verona, Italy (virtual).
2021 May	Invited Speaker. Endoscopic Ear Surgery for Paediatric Cholesteatoma. ENT Scotland Spring Meeting, UK (virtual).
2021 May	Invited Speaker. Endoscopic Ear Surgery for Paediatric Cholesteatoma. Joint Spring Meeting of Midlands Institute of Otorhinolaryngology and South-Western Laryngological Association, UK (virtual).
2021 Apr	Invited Speaker. Otoendoscopic Surgery. Joint Yo-IFOS and University of Capetown Webinar.
2021 Apr	Panellist. Endoscopic Ear Surgery: Getting Started. Sharing Skills and Care Across Borders. C-Surgeries International Otology & Neurotology Symposium (virtual).
2021 Mar	Invited Speaker. Endoscopic Ear Surgery: New Normal for Pediatric Cholesteatoma. 9th Endoscopic Ear Surgery Seminar. Yamagata, Japan (virtual).
2021 Mar	Moderator. Management of Pediatric Ear Disease in the COVID-19 Era. 9th Endoscopic Ear Surgery Seminar. Yamagata, Japan (virtual). James AL, Cohen M, lino Y.
2021 Feb	Panellist. Cholesteatoma in Children. ESPO Virtual Conference.

INTERNATIONAL MEETINGS (continued)

2020 Dec Panellist. Global Perspectives on Contemporary Otology. Society for Ear Nose Throat Advances in Children (virtual). 2020 Nov Panellist, Meet the Experts: Open Discussion Between Faculty and Attendees - Present Your Own Cases or Challenges With EES. Otology & Neurotology in the COVID-19 Era: International Virtual Bootcamp Course on Endoscopic and Exoscopic Ear and Lateral Skull Base Surgery. Boston, MA. 2020 Nov Panellist. Pediatric Endoscopic Ear Surgery: Challenging Cases, Managing Complications. Otology & Neurotology in the COVID-19 Era: International Virtual Bootcamp Course on Endoscopic and Exoscopic Ear and Lateral Skull Base Surgery. Boston MA. LIN, RJ 2021 May Invited Speaker. In-office Laryngological Procedures. Think Tank in Otolaryngology. Rome, Italy (virtual). LIU, F-F 2021 Apr Invited Speaker. The Role of Metabolism in Modulating Radiation Fibrosis. Glycosylation and Extracellular Matrix in Neurologic and Metabolic Diseases. American Society for Biochemistry and Molecular Biology, United States (virtual). 2021 Mar Invited Speaker. Dysregulated Metabolic and Immune Pathways Underlying Radiation Fibrosis and Lymphedema. American Association for Cancer Research (AACR) Virtual Special Conference, United States (virtual). MARTINO, R 2021 Feb Invited Speaker. Critical Analysis and Contributions of Screening in the Identification of Dysphagia. Dysphagia Brazilian Summit (virtual). 2021 Jan Keynote Speaker. Pre-treatment Swallowing Exercises. Virtual British Academic Conference in Otolaryngology (BACO) International Meeting. 2021 Jan Invited Speaker. Interventions for Dysphagia in the Non-Surgical Head & Neck Patient. Virtual British Academic Conference in Otolaryngology (BACO) International Meeting. 2021 Jan Invited Speaker. Medical Complications and Screening Tools for Dysphagia in Older Adults. Virtual British Academic Conference in Otolaryngology (BACO) International Meeting. 2021 Jan Invited Speaker. Dysphagia Assessment and Therapy in the COVID-19. Virtual British Academic Conference in Otolaryngology (BACO) International Meeting. MONTEIRO, E 2020 Sep Workshop. HPV Status: Updates in Head and Neck Cancer. Monteiro E, Eskander A, de Almeida J, Nichols A.

PAPSIN, B

2021 May Invited Faculty. A New Implant for Improving Hearing Performance for Single Sided Deafness & Mixed or Conductive Hearing Loss. Cochlear Corporation Workshop and Webinar on OSIA Bone conduction Implants.

2020 American Academy of Otolaryngology – Head and Neck Surgery Virtual Annual Meeting.

Sao Paulo, Brazil.

Otology Virtual Meeting 2020.

11411 = 11114/111	TOTAL MEETITAO (COMMICOA)
2021 Apr	Invited Panellist. Future of Otolaryngology: Opportunities and Challenges: Big Tents Keep More of Us Sheltered from the Elements. Combined Otolaryngology Spring Meeting (COSM) Triological Society Virtual Meeting.
2021 Jan	Invited Faculty. Exploration of (Auditory) Space: What We Have Learned from Humans with Single Sided Deafness. Intra-American Association of Pediatric Otolaryngology (IAPO) Virtual Meeting, Mexico City, Mexico.
2020 Dec	Invited Faculty. CI Audiologic Care During and After COVID? University College London, Advances in Auditory Implants Online Masterclass. London, England.
2020 Nov	Invited Faculty. Exploration of Auditory Space: What We Have Learned from Humans with Single Sided Deafness. Dubai Otology, Neurotology and Skull Base Surgery Virtual Conference. Dubai, UAE.
2020 Oct	Invited Faculty. Exploration of Auditory Space: What We Have Learned from Humans with Single Sided Deafness. University of Pretoria Virtual Courses in Otorhinolaryngology. Pretoria, South Africa.
PROPST, E	
2020 Mar	Invited Speaker. The Multidisciplinary Approach to Treating Children with Complex Sleep Apnea. Society for Ear Nose and Throat Advances in Children (SENTAC). Panellist/presenter(s): Javan Nation, Andre Wineland, David Zopf, Evan Propst.
2020 Dec	Invited Speaker. The Difficult Aerodigestive Tract: A Case-based Discussion of Multidisciplinary Care. Society for Ear Nose and Throat Advances in Children (SENTAC) and Aerodigestive Society. Moderator and presenter(s): Evan Propst, Reshma Amin, Kara Larson, Margaret Marcon, Vicky Papaioannou, Taher Valika, Luis Vilchez-Madrigal, Nikolaus Wolter.
2020 Oct	Invited Speaker. Airway Simulation: Comparing Animal and 3D Models. C-Surgeries, International Pediatric Airway Symposium (IPAS). Dr. Deepak Mehta, Dr. Gresham Richter. Other Panellists: Kaalan Johnson, David Zopf, Eric Gantwerker.
2020 Oct	Invited Speaker. Suspension Microesophagoscopy for Foreign Body Removal in Children & Fetoscopic Repair of Laryngeal Atresia. C-Surgeries, International Pediatric Airway Symposium (IPAS). Dr. Deepak Mehta, Dr. Gresham Richter.
RINGASH, J	
2020 May	Discussant. Dollars and Sense: Reducing Physical and Financial Toxicity. Head and Neck Cancer Oral Abstract Session. ASCO 2020 (virtual). USA.
2020 Feb	Invited Lecturer. Are Current PROs Adequate for Head and Neck Cancer Patients? Multidisciplinary Head and Neck Cancers Symposium (ASCO/ASTRO/AHNS/SITC). Scottsdale, AZ.
RUTKA, J	
2021 Apr	Invited Speaker. Dizziness Post Head Injury. VAI Global Virtual Summit 2: Update on Vestibular Science. Serenas Live.
2020 Nov	Invited Speaker. 1. Management of Facial Nerve Schwannomas, 2. Management of Cholesteatoma. Dubai

2021

Doctors Association, Hong Kong.

2020 Jul	Invited Speaker. Recurrent Vestibulopathy. VAI Global Virtual Summit: An Update on the Vestibular System. Serenas Live.
WITTERICK, I 2021 Apr	Invited Speaker. What I Need from the Radiology Report. Toronto Head and Neck Imaging Symposium. Virtual international conference.
2021 Mar	Panel Member. Surgical Management of Thyroid Cancer. World Congress on Thyroid Cancer 4. Virtual international conference.
2021 Feb	Invited Speaker and Discussant. Surgeon's Log 2021 – An Intercontinental, Multi-disciplinary, Case-based Webinar Series, Episode 4 "Sick in the Time of Corona". Global Brain Surgery Initiative in association with the North American Skull Base Society (virtual).
2021 Jan	Invited Speaker. 1. Tips and Tricks for a Successful Laryngectomy, 2. Controversies in the Management of Skull Base Tumours. British Academic Conference in Otolaryngology (BACO) International Virtual Conference, ENT UK.
2020 Nov	1. Invited Speaker. Carotid Body Tumours, 2. Panellist. Nasal Mass. University of California San Francisco Virtual Head and Neck Cancer 2020.
WOLTER, N 2020 Dec	Invited Speaker. The Difficult Aerodigestive Tract: A Case-Based Discussion of Multidisciplinary Care. SENTAC/AERO 2020 Virtual Annual Meeting. Moderator: Propst E. Presenter(s): Nikolaus E Wolter, Amin R, Larson K, Marcon M, Papaioannou V, Valika T, Vilchez-Madrigal L.
WONG, A 2021	Invited Speaker. Light-induced Lacrimation and Pupillary Responses in Episodic Migraine. The Migraine Symposium. Association of Migraine Disorders.
2021	Visiting Professor. The Art and Science of Compassion. Center for Medical Humanities, Compassionate Care and Bioethics, Faculty of Medicine, Stony Brook University, New York, NY.
2021	Keynote Speaker. Building Inner Resources to Flourish in Medicine. Women in Ophthalmology Summer Symposium. Amelia Island, FL.
2021	Invited Speaker. A Practical Approach to Nystagmus. Hong Kong Neuro-Ophthalmology Interest Group. Hong Kong.
2021	Visiting Professor. Developing Inner Resources and System Thinking to Flourish in Medicine. Ophthalmology Grand Rounds, Stanford University, CA.
2021	Invited Speaker. The Critical Role of High-fidelity Visual Input in the Development of Audiovisual Integration as Revealed in Amblyopia. European Pediatric Ophthalmological Society Conference.

Keynote Speaker. Building Inner Resources and System Thinking to Flourish in Medicine. Hong Kong Women

2021	Keynote Speaker. The Practice and Science of Compassion. Centre of Buddhist Studies, University of Hong Kong.
2020	Visiting Professor. Developing Inner Resources and System Thinking to Flourish in Medicine. Vanderbilt Eye Institute, Vanderbilt University Medical Center, Tennessee.
2020	Keynote Speaker. Altered Visual Processing and Audiovisual Integration in Amblyopia: Implications for Clinicians. Federal University of Sao Paulo and Brazilian Center for Strabismus

NATIONAL MEETINGS

VIRTUAL MEETINGS

ANDERSON, J 2020 Oct	Co-presenter. The Precarious Airway & Anticipate the Unexpected. CSO-HNS Virtual Meeting – Laryngology Workshop. Drs. K. Kost, J. Anderson, D. Bosch, A. Darnbrough, T. Brown, R.J. Lin, A. Hu, S. Brisebois.
2020 Oct	Co-presenter. Evidence-Based Management of Chronic Refractory Cough. CSO-HNS Virtual Meeting - General Otolaryngology Workshop. Drs. S. Brisebois, J. Young, J. Anderson, A. Darnbrough.
DDANDT 14	
BRANDT, M 2021 Jan	Invited Speaker. Facial Trauma for the Otolaryngologist – Head & Neck Surgeon. Annual Otolaryngology – Head & Neck Surgery Review Course. Calgary, AB (virtual).
2021 Jan	Invited Speaker. Rhinoplasty: The Basics for the Royal College Examination. Annual Otolaryngology — Head & Neck Surgery Review Course. Calgary, AB (virtual).
2021 Jan	Invited Speaker. Aesthetic Facial Plastic Surgery: The Basics for the Royal College exam. Annual Otolaryngology — Head & Neck Surgery Review Course. Calgary, AB (virtual).
2021 Jan	Invited Speaker. Preparing for the Royal College Oral Examination in Facial Plastic & Reconstructive Surgery. Annual Otolaryngology — Head & Neck Surgery Review Course. Calgary, AB (virtual).
2020 Oct	Invited Speaker. Local Flaps in Facial Reconstruction. Congrès virtuel de l'Association ORL du Québec. Montreal, QC (virtual).
2020 Oct	Moderator/Panel Member. Facial Reconstruction: A Specialist Panel on the Contemporary Reconstruction of the Face. Annual Meeting of the Canadian Society of Otolaryngology — Head & Neck Surgery (virtual).
OAMBICL B	
CAMPISI, P 2020 Oct	Workshop. Upper Aerodigestive Tract Endoscopy. Canadian Society of Otolaryngology — Head & Neck Surgery Annual Meeting. Campisi P, Chan Y. (virtual).
2020 Jul	Invited Speaker. Pediatric Head and Neck Malignancies. Pediatric Otolaryngology – Head & Neck Surgery Inter-University Lecture Series (virtual).

CHAN, Y 2021 May	Invited Speaker. Diversity and Discrimination in Otolaryngology. University of British Columbia Department of Otolaryngology — Head & Neck Surgery Grand Rounds (virtual).
2021 Apr	Invited Speaker. Pearls for Successful Sinus Surgery for the Practicing Otolaryngologist. Canadian Rhinology Lecture Series Part 1 (virtual).
2021 Mar	Invited Speaker. Rhinology & Anterior Skull Base Surgery. LearnENT Ambassador Program (virtual).
2021 Mar	Panellist. Women in Type 2 Meeting. Sanofi Genzyme (virtual).
2021 Feb	Panellist. Dupixent ENT National Advisory Board Meeting 2021. Sanofi Genzyme (virtual).
2021 Feb	Panellist. Dupixent AAAI Ambassador Program Meeting 2021. Sanofi Genzyme (virtual).
2020 Dec	Invited Speaker. Strategies for Maintaining Your Medical/Surgical Practice During the COVID-19 Pandemic. Royal College of Physicians and Surgeons of Canada "Practicing During COVID-19" Professional Practice Webinar Series.
2020 Nov	Workshop Supervisor and Panellist. Transition to Practice. Canadian Society of Otolaryngology-Head & Neck Surgery 74th Meeting (virtual).
2020 Nov	Workshop Supervisor. Fellowships 2020 Panel. Canadian Society of Otolaryngology-Head & Neck Surgery 74th Meeting (virtual).
2020 Oct	Workshop Supervisor. The Good, The Bad, The Ugly: A Cross-Canada Resident Panel for Prospective Applications. Canadian Society of Otolaryngology-Head & Neck Surgery 74th Annual Meeting (virtual).
2020 Oct	Workshop Supervisor. Dispelling Myths and Discovering Pearls: A Resident Panel for Prospective Applicants. Canadian Society of Otolaryngology-Head & Neck Surgery 74th Annual Meeting (virtual).
CHEPEHA, D 2020 Nov	Invited Speaker. Clinical Trials and Studies. Canadian Society of Otolaryngology- Head & Neck Surgery (virtual).
2020 Oct	Invited Speaker. Your Journal of OHNS — Submit, Review and Get Involved. Canadian Society of Otolaryngology-Head & Neck Surgery (virtual).
2020 Sept	Presenter. Editorial Awards Opening. Canadian Society of Otolaryngology-Head & Neck Surgery (virtual).
DE ALMEIDA, J 2020 Nov	Invited Speaker. Oral and Oropharyngeal Carcinoma. Ontario Society of Oral Maxillofacial Surgeons.
2020 Nov	Workshop Chair. Surgical Trials in Head and Neck Surgery. Canadian Society of Otolaryngology.
2020 Nov	Moderator. Head and Neck Papers. Canadian Society of Otolaryngology-Head & Neck Surgery.

2020 Oct	Invited Panellist, Thyroid Cancer Workshop. Canadian Society of Otolaryngology-Head & Neck Surgery (virtual)
ENEPEKIDES, D 2020 Oct	Invited Speaker. Quality Based Procedures in Thyroid and Head and Neck Oncology. 74th Annual Meeting of the Canadian Society of Otolaryngology-Head & Neck Surgery (virtual).
FREEMAN, J 2020 Nov	Invited Speaker. Pre-op Ultrasound Evaluation of Nodal Disease. 74th Annual Meeting of the Canadian Society of Otolaryngology-Head & Neck Surgery (virtual).
2020 Nov	Invited Speaker. Outpatient Versus Inpatient Parotidectomy: A Systemic Review and Meta-analysis. Thyroid Cancer Update. 74th Annual Meeting of the Canadian Society of Otolaryngology-Head & Neck Surgery (virtual).
2020 Oct	Invited Speaker. Thyroid Cancer Update. Chair. 74th Annual Meeting of the Canadian Society of Otolaryngology-Head & Neck Surgery (virtual).
2020 Oct	Invited Speaker. Parathyroid Case Management Panel. Head Neck Workshop, Thyroid Cancer Update. 74th Annual Meeting of the Canadian Society of Otolaryngology-Head & Neck Surgery (virtual).
2020 Oct	Invited Speaker. Management of Recurrence. Thyroid Cancer Update. 74th Annual Meeting of the Canadian Society of Otolaryngology-Head & Neck Surgery (virtual).
2020 Oct	Invited Speaker. Thyroid Cancer Update, Moderator. 74th Annual Meeting of the Canadian Society of Otolaryngology-Head & Neck Surgery (virtual).
2020 Oct	Invited Speaker. Re-operative Central Neck Dissection. Thyroid Cancer Update. 74th Annual Meeting of the Canadian Society of Otolaryngology-Head & Neck Surgery (virtual).
2020 Oct	Invited Speaker. Mini-Sternotomy. Thyroid Cancer Update. 74th Annual Meeting of the Canadian Society of Otolaryngology-Head & Neck Surgery (virtual).
2020 Oct	Invited Speaker. Outpatient versus Inpatient Superficial Parotidectomy: Evaluating Clinic and Pathological Characteristics. Thyroid Cancer Update. 74th Annual Meeting of the Canadian Society of Otolaryngology-Head & Neck Surgery (virtual).
GORDON, K 2021 Apr	Invited Speaker. Efforts to Improve Balance in Children Using Cochlear Implants. Vestibular Implant and Related Technologies Meeting (virtual).
IRISH, J 2020 Nov	Speaker. Using Performance Data to Improve Cancer Care: The Cancer Care Ontario Experience. BC Cancer Surgery Annual Provincial Meeting. Vancouver, BC (virtual).
2020 Oct	Panellist/Speaker. Head and Neck Workshop: Quality Based Procedures in Thyroid and Head and Neck Oncology. Canadian Society of Otolaryngology-Head & Neck Surgery Annual Meeting (virtual).

2020 Oct	Invited Speaker. Modelling COVID-19's Surgical Backlog in Ontario. CanCOVID Speaker Series (virtual).
JAMES, A 2021 Apr	Invited Speaker. Auditory Neuropathy Spectrum Disorder in Children: Causes and Management. Speech- Language & Audiology Canada Webinar Lecture Series.
2020 Oct	Invited Speaker. Microscope vs Endoscope for Otologic Surgery. Canadian Society of Otolaryngology-Head & Neck Surgery's 2020 Annual Meeting. James AL, Chen J (virtual).
LIN, RJ	
2021 Apr	Invited Speaker. Have you Talked to Your Larynx Today? Vocal Health for the Singer. Power of Voice, World Voice Day Event.
2020 Oct	Panel Member. Complications in Laryngology: Prevention and Management (Workshop). Annual Meeting of Canadian Society of Otolaryngology-Head & Neck Surgery Meeting (virtual).
MARTINO, R	
2021 Mar	The Role of Big Data and Artificial Intelligence in Dysphagia Research. Dysphagia Research Society (DRS) Annual Meeting (virtual).
2021 Mar	An Introduction to Clinical Trials: Building Blocks. Dysphagia Research Society Annual Meeting (virtual).
2020 Dec	Dysphagia Interventions for People with Head and Neck Cancer. Speech-Language & Audiology Canada Webinar.
MONTEIRO, E	
2020 Nov	Workshop. A Primer on How to Measure Quality in your Practice or Organization. Co-presenters: Singh P, Nussbaum B. Canadian Society of Otolaryngology-Head & Neck Surgery 74th Annual Meeting (virtual).
2020 Oct	Workshop. Quality Based Procedures in Thyroid and Head and Neck Oncology. Co-presenters: Irish J, Enepekides D. Canadian Society of Otolaryngology-Head & Neck Surgery 74th Annual Meeting (virtual).
2020 Oct	Invited Speaker. Value of Molecular Marker Testing. Thyroid Cancer Update. Canadian Society of Otolaryngology-Head & Neck Surgery 74th Annual Meeting (virtual).
2020 Oct	Invited Panellist. Panel on Clinical Presentation. Thyroid Cancer Update. Canadian Society of Otolaryngology-Head & Neck Surgery 74th Annual Meeting (virtual).
RUTKA, J 2021 Apr	Invited Speaker. Dizziness Post Head Injury. Canadian Concussion Centre (CCC) Webinar Series Session 5. Zoom Conference.
SIMONE, M	
2021 May	Invited Speaker. Introduction to Cochlear Implants: Application to Adults. Interprofessional Education Seminar, Canadian Hearing Services, Toronto, ON.

SINGH, P

2021 Sep Invited Panellist. A Primer on Oropharyngeal Carcinoma Management — From the Community to the Tertiary

Care Hospital. Canadian Society of Otolaryngology – Head & Neck Surgery – 75th Annual Meeting (virtual).

WITTERICK, I

2021 Jan Keynote Speaker. Treatment of Chronic Rhinosinusitis and Nasal Polyps. Better Breathing Conference 2021

(virtual).

2020 Nov Moderator. Closing Ceremony. 74th Annual Meeting of the CSO-HNS (virtual).

2020 Nov Invited Lecture and Panel Member. Chronic Rhinosinusitis with Nasal Polyps: The Misery, the Mystery, and the

Mastery. 74th Annual Meeting of the CSO-HNS. Presenter(s): Witterick IJ with Desrosier M (moderator), Kilty

S, Thamboo A. (virtual).

2020 Oct Moderator. Panel discussion with case presentations – Post-operative Management. Thyroid Cancer Update.

74th Annual Meeting of the CSO-HNS.. Presenter(s): Witterick IJ (moderator), McIver B, Hart R, Prisman E,

Wirth L, MacNeil D, Tuttle M. (virtual).

2020 Sep Presidential Address. 74th Annual Meeting of the CSO-HNS (virtual).

2020 Feb Panel Member. Common Clinical Challenges in Rhinology Panel. Rhinology Update 2020, Department of

Otolaryngology-Head & Neck Surgery, University of Toronto.

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.

WONG, A

John Pratt-Johnson Lecture. Vision Beyond Vision: Lessons Learned from Amblyopia. Canadian

Ophthalmological Society and The Canadian Orthoptic Society Annual Meeting.

2021 Invited Speaker. A Practical Approach to Nystagmus. Department of Ophthalmology, McGill University,

Quebec.

PROVINCIAL/LOCAL MEETINGS

ANDERSON, J

2021 Feb Invited Speaker. Tracheotomy in COVID-19 Critically III Patients. Department of Otolaryngology-Head & Neck

Surgery. University of Toronto Grand Rounds (virtual). Co-Presenters: Dr. Taryn Davids, Dr. Peter Goldberg, Dr.

Karen Kost, Dr. Doron Sommer (virtual).

BRADLEY, G

2021 Jan Invited Speaker. Oral Cancer and Precursor Lesions. OHNS Grand Rounds. University of Toronto. Presenters:

Grace Bradley, Antoine Eskander, Marco Magalhaes, Chris Noel (virtual).

BRANDT, M 2021 Feb	Moderator. Case-Based Panel Discussion: Skin Cancer. OTOUpdate 2021. Department of Otolaryngology-Head & Neck Surgery, University of Toronto (virtual).
CAMPISI, P 2021 Jul	Invited Speaker. PREP Camp Phase 1 Lecture Series. Surgical Airway. Mt. Sinai Hospital. Toronto, ON.
2021 May	Invited Speaker. Guest Lecture, SLP 1525 Graduate Course. Pediatric Voice Disorders. University of Toronto.
2021 Feb	Panel. Common Congenital Neck Masses: Workup and Management. Otolaryngology Update 2021. Department of Otolaryngology – Head & Neck Surgery, University of Toronto. Campisi P (moderator), Chadha N, Jones J, Vaccani JP (virtual).
2020 Oct	Panel. Virtual Care – Tips for Virtual Supervision of Learners in OHNS. Grand Rounds, Department of Otolaryngology – Head and Neck Surgery, University of Toronto. Lazor J, Saunder R, Campisi P, Vescan A, Takahashi SG, Arnstead N, Lee D (virtual).
2020 Sep	Panel. Virtual Care – Transformational Change in Practice. Short Term or Here to Stay? Grand Rounds, Department of Otolaryngology – Head and Neck Surgery, University of Toronto. Halperin IJ, Vescan A, Campisi P, Takahashi SG, Lazor J (virtual).
2020 Sep	Invited Speaker. Paediatric Resident Lecture Series (PeRLS). Sialorrhea. Department of Paediatrics. Hospital for Sick Children (virtual).
2020 Jul	Invited Speaker. PREP Camp Phase 1 Lecture Series. Surgical Airway. Mt. Sinai Hospital.
CHAN, Y 2021 Apr	Invited Speaker. Otolaryngology Red Flags. Trillium Health Partners Family Resident Teaching (virtual).
2021 Apr	Invited Speaker. Otitis Media. Trillium Health Partners Family Resident Teaching (virtual).
2021 Mar	Invited Speaker. Professionalism, Partnership & Equity: Transforming the Pathway to Academic Excellence. University of Toronto Department of Otolaryngology — Head & Neck Surgery Grand Rounds (virtual).
2021 Feb	Invited Speaker. Odontogenic Sinusitis. DEN 315 Oral Medicine and Oral Pathology Lecture. University of Toronto, Faculty of Dentistry (virtual).
2021 Feb	Invited Speaker. An Approach to CT Sinuses for Residents. Department of Otolaryngology – Head & Neck Surgery, PGY-1 Resident Teaching Session (virtual).
2020 Nov	Invited Faculty. Head and Neck Physical Examination. Clinical Skills 1 Course for Undergraduate Medical Students. University of Toronto, Faculty of Medicine. (virtual).
2020 Aug	Invited Speaker. An Approach to the Neck Mass. Oral Medicine and Oral Pathology Resident. University of Toronto, Faculty of Dentistry (virtual).

PROVINCIA	L/LUCAL MEETINGS (continued)
CUSHING, S 2020 Nov 4	Invited Speaker. Cochlear OSIA. Grand Rounds. University of Ottawa. Presenter(s): Cushing SL, Papsin BC, Papaioannou V.
2020 Sep	Invited Speaker. Balance and Hearing: What Cochlear Implants Have Taught Us About the Developing Vestibular System. Grand Rounds, Department of Otolaryngology-Head & Neck Surgery, University of Western Ontario.
2020 Sep	Invited Speaker. Pediatric Otology Cases and Questions. Resident Education Session. Department of Otolaryngology-Head & Neck Surgery, University of Western Ontario.
DE ALMEIDA, J 2021 Feb	Invited Speaker. Surgical Trials in Head and Neck Cancer, Cancer Clinical Research Unit Education Rounds, Princess Margaret Cancer Centre.
2020 Dec	Invited Speaker. Evolution of Management of Oropharyngeal Cancer Through Clinical Trials. Resident Rounds. University Health Network,
ESKANDER, A 2021 Apr	Invited Speaker. Academic Staff Positions: Considerations when Applying and Interviewing as a New Graduate. Clinician Investigator Program Seminar.
2021 Apr	1. Panellist – Access to Care, Disparities in Care, Adherence to Guidelines, and Quality Metrics, 2. Invited Speaker. Cancer Gone: The Research and Innovation that Thinks it Can. The Parliamentary Health Research Caucus – Research Canada.
GORDON, K 2021 May	Invited Speaker. Challenges to Spatial Hearing in Children with Hearing Loss. Breakfast Rounds. Department of Communication Disorders, The Hospital for Sick Children (virtual).
2021 Apr	Invited Speaker, Audiology in Practise $-2021+$. Audiology Rounds, Department of Communication Disorders, The Hospital for Sick Children (virtual).
2021 Mar	Invited Speaker. SickKids Research Connections, COVID-19 Series. Research Institute, The Hospital for Sick Children (virtual).
GOULDING, G 2021 Apr	Invited Speaker. SickKids Cochlear Implant Program. Toronto Infant Hearing Program Collaborative Practice Work Group.
IRISH, J	

2021 Apr Invited Speaker. Centralized Waitlists in the Adult World. SickKids Perioperative Services Retreat 2021 (virtual).

Invited Speaker. COVID-19: Clearing the Backlog in the Ontario: The Challenge...and Opportunity. Ontario 2020 Nov Association of General Surgeons, Toronto, ON (virtual).

2020 Nov	Speaker/Panellist. Pandemic Recovery: How Will We Recover? Ontario Surgical Quality Improvement Network Annual Meeting (virtual).
LEE, J 2021 Jun	Invited Speaker. An Interactive Case Based Discussion on the Use of Biologics to Treat CRSwN. Sanofi Genzyme Canada (virtual).
2021 May	Invited Speaker. Optimizing Care for the United Airway. Sanofi Genzyme Canada (virtual).
2021 Apr	Course Co-Director. University of Toronto Resident Sinus Surgery Course. Department of Otolaryngology-Head & Neck Surgery, University of Toronto.
2021 Apr	Invited Speaker. Endoscopic Anatomy of the Lateral Nasal Wall. University of Toronto Resident Sinus Surgery Course. Department of Otolaryngology-Head & Neck Surgery, University of Toronto.
2021 Feb	Invited Speaker. Chronic Rhinosinusitis Overview. Postgraduate Rhinology Core Teaching. Department of Otolaryngology-Head & Neck Surgery, University of Toronto.
2021 Feb	Invited Speaker. Endoscopic Sinus Surgery: An Evidence Based Approach. Postgraduate Rhinology Core Teaching. Department of Otolaryngology-Head & Neck Surgery, University of Toronto.
2021 Feb	Invited Speaker. Management of Sinonasal Inverted Papilloma. Postgraduate Rhinology Core Teaching. Department of Otolaryngology-Head & Neck Surgery, University of Toronto.
2020 Nov	Invited Speaker. Chronic Rhinosinusitis: 2020 Revisited. Division of Allergy and Clinical Immunology Teaching Rounds. University of Toronto.
LIN, RJ	
2021 Jun	Invited Speaker. Laryngeal Electromyography and Management of Unilateral Vocal Fold Paralysis. PMR & Neurology, Department of Medicine, University of Toronto.
2021 Jun	Invited Faculty. Laryngeal Trauma. Otolaryngologic Emergencies: Management Tips and Pearls Symposium.
2021 Jun	Invited Speaker. Laryngeal Hypersensitivity: The (can't) Breathers, the Mute, and the Coughers. Clinical Immunology & Allergy Grand Rounds, Department of Medicine, University of Toronto.
2021 May	Invited Faculty. Laryngotracheal Stenoses in Adults. University of British Columbia (virtual).
2021 May	Invited Speaker for OHNS Podcast. What is Laryngology and What is it Like to be a Laryngologist?
2021 Feb	Invited Faculty. Differential Diagnoses of Hoarseness when Laryngoscopy is Normal. OtoUpdate 2021. Department of Otolaryngology-Head and Neck Surgery, University of Toronto (virtual).
LIU, F-F 2021 Jun	Invited Speaker. Strategic Roadmap to 2026 Revolutionizing Radiation Care Through Digital Health. Princess Margaret Foundation Townhall.

PROVINCIAL/LOCAL MEETINGS (c	continued)
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2021 May	Invited Speaker. Asian Initiative in Mental Health (AIM) Resilience Perspectives Webinars – Part I, Anti-Asian Racism. University Health Network.
2021 Mar	Invited Panellist. Part 3 – Leadership in STEM: Paving the Way for this Generation and the Next. How The Princess Margaret Is Transforming the Patient Experience, Princess Margaret Cancer Foundation.
2020 Dec	Invited Speaker. Characterizing and Targeting Metabolic Drivers of Lymphedema. Princess Margaret Research Institute Seminar.
2020 Nov	Invited Speaker. Introduction to Princess Margaret Cancer Centre Radiation Medicine Program. The Canada China Trade Innovation Alliance (CCTIA).
MARTINO, R 2021 Jan	Invited Speaker. The Benefits of Early Detection in the Context of Dysphagia Screening Related to Stroke: A Canadian Success Story. Royal Victoria Hospital/Central East Stroke Network, Barrie, ON.
MONTEIRO, E 2021 Feb	Invited Speaker. The Maxillary Sinus and Dental Implantation. Faculty of Dentistry – Periodontology Program. University of Toronto.
2020 Dec	Invited Speaker. Evaluating Your QI Impact. Run Charts. VA Quality Scholars. Centre for Quality Improvement and Patient Safety. University of Toronto.
2020 Dec	Invited Speaker. Evaluating Your QI Impact. Run Charts. Surgical Foundations PGY1 Teaching. University of Toronto.
2020 Dec	Invited Speaker. Evaluating Your QI Impact. Control Charts. VA Quality Scholars. Centre for Quality Improvement and Patient Safety. University of Toronto.
2020 Nov	Invited Speaker. The Maxillary Sinus and Dental Implantation. Department of Dentistry – Prosthodontics. University of Toronto.
2020 Aug	Invited Speaker. Surgical Procedures of the Oral Cavity and Oropharynx. Oral Cavity and Oropharynx Workshop. Virtual Symposium. Toronto, ON.
2020 Aug	Invited Speaker. Tumours of the Oral Cavity and Oropharynx. Oral Cavity and Oropharynx Workshop. Virtual Symposium. Toronto, ON.
PROPST, E 2021 Jun	Invited Speaker. Button Battery Foreign Body. Otolaryngologic Emergencies 2021. Department of Otolaryngology-Head & Neck Surgery, University of Toronto.
SINGH, P 2021 Jun	Invited Speaker. Management of Deep Neck Space Infections. Otolaryngologic Emergencies Course.

Department of Otolaryngology – Head & Neck Surgery. University of Toronto (virtual).

WONG, A 2021	Invited Speaker. Building Inner Resources to Thrive During the Pandemic. McMaster University (for psychology major students).
2021	Invited Speaker. Cultivating Compassion and System Thinking to Transform Medicine. Department of Pediatrics Grand Rounds. The Hospital for Sick Children.
2021	Invited Speaker. The Art and Science of Compassion. Child and Family-Centred Care Week Special Rounds. The Hospital for Sick Children.
2021	Invited Speaker. Building Inner Resources and System Thinking to Flourish in Medicine. Ground Rounds. Department of Otolaryngology-Head & Neck Surgery, University of Toronto.
2021	Invited Speaker. Developing Inner Resources and System Thinking to Flourish in Healthcare. Department of Ophthalmology and Vision Sciences. The Hospital for Sick Children.
2021	Invited Speaker. Building Inner Resources and System Thinking to Flourish in Healthcare. Mindfulness & Compassion Rounds. The Hospital for Sick Children.

Papers Presented at **Conferences/Society Meetings**

INTERNATIONAL MEETINGS

UNITED STATES

DE ALMEIDA, J

2020 Oct

Pilar A, Yu E, Su J, Bartlett E, O'Sullivan B, Waldron JN, Spreafico A, De Almeida J, Bayley AJ, Bratman SV, Cho J, Giuliani M, Hope AJ, Hosni A, Kim J, Ringash J, Perez-Ordonez B, Tong L, Xu W, Huang SH. Validating and Refining the 8th Edition TNM N-Classification for HPV Negative

Oropharyngeal Cancer. Digital Poster Viewing Q & A (Poster #3945). 2020 ASTRO Annual Meeting. Miami,

Florida, USA.

2020 Oct

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. Poster Presentation, Development of a Risk Group Classification to Predict Locoregional Failure and to Quantify the Effect of Post-Operative Radiotherapy among Patients with Major Salivary Gland Carcinoma. 2020 American Society for Radiation Oncology (ASTRO) Annual Scientific Meeting, Miami, FL.

ESKANDER, A

2020 Oct

Malik NH, Kim M.S, Chen H, Poon I, Husain Z, Eskander A, Boldt RG, Louie AV, Karam I. Stereotactic Radiotherapy for de novo Head & Neck Cancers: A Systematic Review and Meta-analysis. ASTRO's 62nd Annual Meeting, Miami Beach, FL.

WOLTER, N

2021 Apr

Wolter JK, Osborn AJ, Valencia-Sama I, Propst EJ, Irwin MS, Wolter NE, Sirolimus and SHP2 Inhibitors Synergistically Reduce Lymphangiogenesis in Lymphatic Malformations of the Head and Neck in vitro. ASPO 2021 Annual Meeting.

2021 Apr

Lee JJW, Philteos J, Levin M, Namayarian A, Propst EJ, Wolter NE. A Systematic Review of Clinical Prediction Models to Support the Diagnosis of Pediatric Foreign Body Aspiration. ASPO 2021 Annual Meeting.

2021 Apr

Prévost AS, Wolter ne, Sawras M, James AL, Papaioannou V, Papsin BC, Gordon KA, Cushing SL. Propensity for Children with PCD to Develop Otitis Media Related Hearing Loss is Not Apparent on Newborn Hearing Screening, ASPO 2021 Annual Meeting.

VIRTUAL

ADAMSON, P

2020 Sept

Basic Struts and Divisions in Nasal Tip Structuring, American Academy of Facial Plastic and Reconstructive Surgery (AAFPRS) Annual Meeting (virtual).

2020 Nov

Mastering the Nasal Tip-Essential Techniques. Society of Rhinoplasty Surgeons of South Africa (SORSSA), World Rhinoplasty Day (virtual).

2020 Dec	Mastering the Nasal Tip-Learning the Trade. Iranian Society of ENT 17th Annual Meeting (virtual).
CUSHING, S 2021 Apr	Prevost AS, Wolter NE, Dell SD, Wee W, Sawras M, Papaioannou V, Papsin BC, Gordon KA, Cushing SL. Propensity for Children with PCD to Develop Otitis Media Related Hearing Loss is Not Apparent on Newborn Hearing Screening. ASPO Annual Spring Meeting (virtual).
2021 Feb	Benjamin RS, Cushing SL, Blakeman AW, Campos JL, Papsin BC, Gordon KA. Characterizing Responses of Distinct Body Segments Used to Maintain Balance After Floor Perturbations in Typically-developing Children. Vestibular Oriented Research Conference (virtual).
2021 Feb	Benjamin RS, Cushing SL, Blakeman AW, Campos JL, Papsin BC, Gordon KA. Examining the Impact of Balance, With and Without a Head-referencing Device, on Cognitive Load in Typically-developing Children. Vestibular Oriented Research Conference (virtual).
2021 Feb	Gordon KA, McSweeny C, Cushing SL, Papsin BC. Abnormal Spatial Perception in Children with Deafness in One or Both Ears. Conference of the Association for Research in Otolaryngology (ARO).
2020 Dec	Honigman T, Baptista A, Bitnun AS, Papaioannou V, Papsin BC, Gordon. KA, Cushing SL. Hearing Outcomes in Infants Identified with Cytomegalovirus at Birth Who Receive Oral Valgancyclovir. Society for Ear Nose and Throat Advances in Children Virtual Annual Meeting.
2020 Oct	Gordon KA, Daien MF, Negandhi J, Blakeman A, Papsin BC, Cushing SL. The Quieting of Children Lives During COVID-19 Lockdowns: Evidence from Cochlear Implant Users. CI CRASH/MASH on-line presentation.
2020 Oct	Alemu R, Blakeman A, Negandhi J, Cushing S, Papsin B, Gordon KA. Localization of Moving Sound: Effects of Monaural Ear Plugging and Single-Sided Deafness. CI CRASH/MASH on-line presentation.
LIN, RJ 2020 Oct	Outcomes of Voice Feminization Training: A Comparison of Group and Individual Therapy Models. Fall Voice 2020 Meeting (virtual).
2020 Oct	Hormonal Replacement Therapy is Associated with a Higher Speaking Fundamental Frequency in Postmenopausal Women with Normal BMI – A Systemic Review and Meta-analysis. Fall Voice Meeting (virtual).
MARTINO, R 2021 Jan	Martino, R, Fitch, M, Macdonald, C, McCulloch, Hutcheson, K. Establishing a 'trigger' to Signal Dysphagia in Patients with Head and Neck Cancer Receiving Radiotherapy as a Primary Treatment: A Qualitative Study. American Head and Neck Society and British Academic Conference in Otolaryngology Annual Meeting (virtual).
2021 Jan	Martino, R, Fitch, M, Macdonald, C, McCulloch, Hutcheson, K. EAT: Development, Content Validation and Acceptance of a Structured Therapy Model to Facilitate Continued Oral Intake Through Head and Neck Radiotherapy. British Academic Conference in Otolaryngology Meeting (virtual).

PAPSIN, B 2021 Feb	Benjamin RS, Cushing SL, Blakeman AW, Campos JL, Papsin BC, Gordon KA. Examining the Impact of Balance, With and Without a Head-referencing Device, on Cognitive Load in Typically-developing Children. Vestibular Oriented Research Conference (virtual).
2021 Feb	Gordon KA, McSweeny C, Cushing SL, Papsin BC. Abnormal Spatial Perception in Children with Deafness in One or Both Ears. Conference of the Association for Research in Otolaryngology (virtual).
2020 Dec	Honingman T, Baptista A, Bitnun A, Papaioannou V, Papsin BC, Gordon KA, Cushing SL. Hearing Outcomes in Infants Identified with Cytomegalovirus at Birth who Receiving Oral Valgancyclovir. SENTAC and the Aerodigestive Society Combined 2020 Meeting (virtual) — won first prize for best presentation.
2020 Oct	Gordon KA, Daien MF, Negandhi J, Ganek H, Blakeman A, Papsin BC, Cushing SL. The Quieting of Children Lives During COVID-19 Lockdowns: Evidence from Cochlear Implant Users. CI CRASH/MASH (virtual).
2020 Oct	Alemu R, Blakeman A, Negandhi J, Cushing S, Papsin B, Gordon KA. Localization of Moving Sound: Effects of Monaural Ear Plugging and Single Sided Deafness. CI CRASH/MASH (virtual).
PROPST, E 2021 Feb	Xiao L, Baker A, Voutsas G, Massicotte C, Wolter NE, Propst EJ, Narang I. Positional Therapy for Treatment of Obstructive Sleep Apnea in Children. International Pediatric Sleep Association (IPSA) 2021 Annual Meeting. Co Author.
2020 Dec	Wolter JK, Osborn A, Propst EJ, Wolter NE. Novel Targets in the PI3K and RAS Pathways for the Treatment of Lymphatic Malformations of the Head and Neck. SENTAC 2020 Annual Meeting. Co Author.
2020 Dec	End C, Propst EJ, McKinnon NK, Narang I, Amin R, Chiang J, Al-Saleh S, Wolter NE. Risks and Benefits of Adenotonsillectomy in Children with Cerebral Palsy: A Systematic Review. SENTAC 2020 Annual Meeting. Co Author.
WOLTER, N 2021 May	Verma R, Mocanu C, Shi J, Miller M, Chiang J, Wolter NE, St-Laurent A, Amin R. Decannulation Following Tracheostomy in Children: A Systematic Review. American Thoracic Society International Conference 2021.
2020 Dec	Wolter JK, Osborn AJ, Propst EJ, Wolter NE. Novel Targets in the PI3K and RAS Pathways for the Treatment of Lymphatic Malformations of the Head and Neck. SENTAC/AERO 2020 Virtual Annual Meeting.
2020 Dec	End C, Propst EJ, McKinnon NK, Narang I, Amin R, Chiang J, Al-Saleh S, Wolter NE. Risks and Benefits of Adenotonsillectomy in Children with Cerebral Palsy: A Systematic Review. SENTAC/AERO 2020 Virtual Annual Meeting.

NATIONAL MEETINGS

VIRTUAL

CAMPISI, P

2020 Nov Arnstead N, Monteiro E, Campisi P. Surgical Safety Culture in Canadian Otolaryngology Residents. Poster

Presentation, Canadian Society of Otolaryngology – Head & Neck Surgery Annual Meeting.

2020 Oct 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 Acute Otitis Media in Children. Podium Presentation, Canadian Society of

Otolaryngology-Head & Neck Surgery Annual Meeting, Poliquin Resident Research Competition. Fredericton,

NB.

DE ALMEIDA, J

2020 Sep 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. Poster Presentation. Assessing Predictors of Locoregional Failure Following Surgical Resection of Non-Metastatic Salivary Gland Carcinoma and the Role of Post-Operative Radiotherapy. 2020 Canadian

Association of Radiation Oncology Annual Scientific Meeting. Toronto, ON.

GEVORGYAN, A

2021 Feb Relativity – is it FAIR? The 19th Annual Otolaryngology Update and OMA Section on OHNS Annual Meeting

(virtual).

LIN, RJ

2020 Oct Blue Light Laser Results in Less Vocal Fold Scarring Compared to KTP Laser in Normal Rat Vocal Folds.

Canadian Society of Otolaryngology-Head & Neck Surgery 2020 Meeting (virtual).

2020 Oct Pain Following In-office KTP Laser Ablation of Laryngeal Recurrent Respiratory Papillomastosis. Canadian

Society of Otolaryngology-Head & Neck Surgery 2020 Meeting (virtual).

NGAN, B

2021 Mar Bannoura S, Putra J, Chen H, Ngan B, Somers G and Chami R. Pediatric PLAG1-Rearranged

Fibroblastic/Fibromyxoid Tumours: A Novel Entity or Morphologic Spectrum of Lipoblastoma. Society for Pediatric Pathology Spring Annual Meeting 2021 (virtual). *Winner of the Gordon F. Vawter Pathologist-in* —

training Award from the Society for Pediatric Pathology.

PROVINCIAL/LOCAL MEETINGS

ESKANDER, A

2021 Feb Du Y, Higgins K, Enepekides D, Chiodo A, Hubbard B, El Masri W. Mode of Detection for Thyroid Cancers.

University of Toronto Medical Student Research Day. Toronto, ON.

The data provided within this annual report does not include information pertaining to faculty members: Julija Adamonis, Ashlin Alexander, Sumeet Anand, Jamil Asaria, Jason Atias, Sarfaraz Banglawala, D. Glenn Beard, Greg, Belchetz, Matthew Brace, Deron Brown, Robert Burke, Lora Carinci, Roman Chaban, Nitin Chauhan, Dustin Dalgorf, Taryn Davids, Andrew Dimitrijevic, Susan Drucker, William El Masri, David Finkelstein, Amadeep Grewal, David Hacker, Robert Harrison, Basil Hassouneh, Robert Hekkenberg, Robert Josephson, Thileep Kandasamy, Anil Katyal, William Kaul, Jack Kolenda, Mark Korman, Brenda Kou, Gavin le Nobel, Annesse Lee, Randy Leung, Bosco Lui, Sharon Morong, Robert Mounsey, Jerry Naiberg, Raymond Ng, Alexander Osborn, Modupe Oyewumi, Vicky Papaioannou, Richard Rival, Lorne Segall, Manish Shah, David Shipp, Kari Smilsky, Oakley Smith, Philip Solomon, Adam Toth, Sandra Vojvodich, Jeffrey Werger, Curtis Wetmore, Ken Williams, Jill Witte, Adrienne Wong.





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