Table of Contents

Overview .................................................................2
Vision, Mission and Values ..............................................3
Organizational Structure ...............................................4
Chair’s Report .............................................................5

Faculty
Members .................................................................12
Honours & Awards .......................................................14
Leadership Activities ...................................................16
Research Grants & Contracts .........................................32

Residents & Fellows ....................................................44
Departmental Awards Program .......................................48
Percy Ireland Academic Day .........................................54

Departmental Committee Reports
Executive .................................................................60
Undergraduate Medical Education ................................61
Residency Program ......................................................63
Continuing Professional Development .............................66
Research .................................................................71
Department Appointments .............................................72
Department Promotions ...............................................73
Budget Advisory ........................................................74
Community Academic Faculty ........................................75
Advancement ............................................................76
Quality and Safety .......................................................77

Departmental Division Reports
Division of Audiology ..................................................80
Division of Facial Plastic & Reconstructive Surgery ..............81
Division of Head & Neck Oncology and Reconstructive Surgery ........................................................................83
Division of Rhinology ...................................................88

Hospital Reports
Hospital for Sick Children ............................................92
Michael Garron Hospital ..............................................94
North York General Hospital .......................................96
Sinai Health ...............................................................97
Sunnybrook Health Sciences Centre ...............................99
Trillium Health Partners .............................................101

Unity Health Toronto - St. Joseph’s Health Centre ..........103
Unity Health Toronto - St. Michael’s Hospital .................105
University Health Network ...........................................109

Research Team Reports
Neuro-otology and Auditory Science
Auditory Science Laboratory .........................................112
Neurootology and Vestibular Research ............................112
Cochlear Implant, Neurotology & Otology Research ..........114
Auditory Development & Regeneration ..........................115
Paediatric Cochlear Implant Research ............................116

Head & Neck Oncology
Head & Neck Oncology Research (SHSC) .......................118
Head & Neck Surgical Research (UHN) .........................120

Head and Neck Surgery
Guided Therapeutics (GTx) Research .............................121

Rhinology
Rhinology Research (SMH) ..........................................124

Voice and Upper Airway
Voice and Upper Airway Laboratory ............................125

Humanitarian Outreach
Face the FutureTM Foundation ......................................128
Northern Ontario Outreach Program ............................129

Publications
Books .................................................................132
Book Chapters ........................................................132
Editorials, Media News Articles, Proceedings of Conferences ................................................................134
Peer-Reviewed Publications .........................................134
Non-Peer Reviewed Publications ..................................159

Presentations
Visiting Professorships & Invited Lectures .....................162
Papers Presented at Conferences/Society Meetings .......179
Department of Otolaryngology–Head & Neck Surgery

**Professor and Chair**  
Dr. Ian J. Witterick

**Vice-Chair Education & Director of Postgraduate Education**  
Dr. Paolo Campisi

**Assistant Program Director**  
Dr. Eric Monteiro

**Director of Undergraduate Medical Education**  
Dr. Allan Vescan

**Assistant Director, Pre-Clerkship**  
Dr. Brad Hubbard

**Assistant Director, Post Clerkship**  
Dr. John Lee

**Director of Continuing Professional Development & Liaison Community Academic Faculty**  
Dr. Yvonne Chan

**Vice-Chair Research**  
Dr. Alain Dabdoub

**Director, Sleep Medicine**  
Dr. Raymond Ng

### Otolaryngologists-in-Chief

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<tr>
<th>Hospital/Location</th>
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<tr>
<td>Hospital for Sick Children</td>
<td>Dr. Blake Papsin</td>
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<tr>
<td>Michael Garron Hospital</td>
<td>Dr. Bradley Hubbard (interim)</td>
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<td>North York General Hospital</td>
<td>Dr. Everton Gooden</td>
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<td>Sinai Health</td>
<td>Dr. Ian J. Witterick</td>
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<td>Sunnybrook Health Sciences Centre</td>
<td>Dr. Danny Enepekides</td>
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<td>Trillium Health Partners</td>
<td>Dr. Janet Chung (interim)</td>
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<tr>
<td>Unity Health Toronto - St. Joseph’s Health Centre</td>
<td>Dr. Andres Gantous</td>
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<tr>
<td>Unity Health Toronto - St. Michael’s Hospital</td>
<td>Dr. Yvonne Chan</td>
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<tr>
<td>University Health Network</td>
<td>Dr. Ralph Gilbert</td>
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### Division Heads

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<tr>
<td>Audiology</td>
<td>Ms. Vicky Papaioannou</td>
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<tr>
<td>Facial Plastic and Reconstructive Surgery</td>
<td>Dr. Andres Gantous</td>
</tr>
<tr>
<td>Head and Neck Oncology and Reconstructive Surgery</td>
<td>Dr. Jonathan Irish</td>
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<tr>
<td>Rhinology</td>
<td>Dr. John Lee</td>
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### Committee Chair Holders

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<th>Committee</th>
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<tr>
<td>Executive</td>
<td>Dr. Ian J. Witterick</td>
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<tr>
<td>Undergraduate</td>
<td>Dr. Allan Vescan</td>
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<tr>
<td>Residency Program</td>
<td>Dr. Paolo Campisi</td>
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<tr>
<td>Continuing Professional Development</td>
<td>Dr. Yvonne Chan</td>
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<tr>
<td>Research</td>
<td>Dr. Alain Dabdoub</td>
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<td>Department Appointments</td>
<td>Dr. Kevin Higgins</td>
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<td>Department Promotions</td>
<td>Dr. Karen Gordon</td>
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<td>Budget Advisory</td>
<td>Dr. Ian J. Witterick</td>
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<tr>
<td>Community Academic Faculty</td>
<td>Dr. Janet Chung</td>
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<tr>
<td>Advancement</td>
<td>Dr. Patrick J. Gullane</td>
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<tr>
<td>Quality and Safety</td>
<td>Dr. Danny Enepekides</td>
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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

Accountability - by fairness and transparency in all of our activities
Chair’s Report

Ten years as chair of this department has flown by. This is my last annual report as chair and I am most thankful to all members of the department who have made this a most enjoyable experience. Following an international search and exceptional candidates, Dr. Danny Enepekides has been selected as my successor effective July 1, 2022. He is a visionary leader with remarkable compassion and empathy. I know he will do an exceptional job and take the department to new heights!

We had an exciting announcement this year with the establishment of the George and Helen Vari Chair in Otolaryngology-Head & Neck Surgery. This is a $3M endowed chair through the University of Toronto that will remain in perpetuity and is tied to the chair of the department to foster education and research in the department. Our sincere thanks to Helen Vari and the late George Vari for their vision and philanthropy as well as Dr. Pat Gullane who was instrumental in securing this tremendous gift for our department.

We underwent an external review of the last 4+ years by Dr. Maie St. John (University of California Los Angeles) and Dr. Kevin Fung (Western University) on September 30-October 1, 2021. I am indebted to all in our department who gave freely of their time and there were many laudatory comments and helpful suggestions in the final report.

As of 2021-2022, we have 18 full professors, 16 Associate Professors, 24 Assistant Professors and 66 Lecturers, 30 residents and 24 fellows in the department, making us one of the largest departments in North America. We have 9 endowed chairs and more than 850 alumni around the world.

I am continually impressed by the productivity of our faculty, residents and fellows. Since the last external review of our department in 2017 including a pandemic, our department published 646 peer-reviewed publications, we had 21,366 citations, faculty gave 1408 presentations, we delivered 25 CPD courses, had 62 visiting professors and received more than $6.5M in philanthropic donations. We promoted 5 faculty to full professor, 8 to associate professor and 10 to assistant professor. We hired 5 new assistant professors and 17 lecturers. We received more than $69M in research grants in 2019-2020 alone. The median h-index for full-time faculty with 20 years of research experience was 42 putting these individuals in the “great” category according to Hirsch (inventor of the h-index). We have more Mosher Research Award winners (six) in the department than any other department in North America. Furthermore, since 2017, we have had seven faculty serve as Presidents of national or international academic societies.

Our department was instrumental in the success of the 75th Annual Meeting of the Canadian Society of Otolaryngology-Head & Neck Surgery (CSO-HNS) held virtually from September 17-19, 2021. Dr. Vincent Lin (Scientific Program Chair) and Dr. Yvonne Chan (CPD Director) did a spectacular job in organizing the scientific content for the meeting. The theme of the meeting was Equity, Diversity & Inclusion in Otolaryngology. I completed 2+ years as President and my Guest of Honour was Dr. Karen Kost (McGill University) and Lifetime Achievement Award Recipient Dean Dominique Dorion (Sherbrooke University), a former resident and fellow in our program. By all accounts, the meeting was a great success. Dr. Paolo
Campisi is now Treasurer, Dr. Vincent Lin Secretary-Elect and Dr. Yvonne Chan continues as the CPD Director for the CSO-HNS. In addition, three of our residents won Poliquin Resident Research Competition prizes and two of our recent graduates received the two COHNS Fund Fellowship Grants (Drs. Neil Arnstead and Peter Dixon) for 2021-2022, and Dr. Jennifer Siu received a COHNS Fund Fellowship Grant for 2022-2023.

I am especially indebted to our alumnus and former faculty member, Dr. Kan Yan Chow and his wife Vera Chow, for their continued generosity in endowing two new research awards in our department under my name.

I was touched by the beautiful ties with our departmental crest on it that the residents had commissioned for Dr. Campisi and I – thank you! In addition, I was so happy to see so many colleagues, friends and family at the Royal Ontario Museum on June 29, 2022 for my chair end of term celebration. I really appreciated all of the warm wishes and the beautiful watch, the highlight of my academic year!

Faculty
A warm welcome to Drs. Neil Bailie (UHN), Joel Davies (SH) and Christopher Yao (UHN) as full-time faculty members, Drs. Josie Xu and Christopher Hong as clinical adjunct faculty and to Jessica Banh, Dario Coletta, Laurel Palmer, Johane Rakotoarimanana, Maria Simone and Erica Wong as status-only faculty in the department.

A huge thanks to Dr. Al Chiodo for all his efforts on behalf of our department and specialty. Dr. Chiodo has relocated to North Carolina and Dr. Bradley Hubbard has taken over as the interim Otolaryngologist-in-Chief at Michael Garron Hospital. A search for a new chief is being conducted.

Congratulations to Dr. John de Almeida who was selected for the NRG HN core committee. This reflects the great work that he has been doing nationally and internationally in leading and participating in head and neck phase II and III randomized clinical trials.

Dr. Janet Chung was selected by a search committee as the new Community Academic Faculty Liaison for our department. Thank you to Dr. Yvonne Chan for her many years of excellent service in this role.
Dr. Jonathan Irish was appointed as the Vice President - Clinical, Cancer Programs for Ontario Health and Cancer Care Ontario. This is a huge role leading cancer care and services across Ontario. We are enormously proud of Dr. Irish.

Dr. Molly Zirkle completed her term as the Director of the FitzGerald Academy in October 2021. Thank you for all your time and efforts in this role! She takes on a new role as Director of Career Advising in the Office of Learner Affairs in the Temerty Faculty of Medicine from February 2022 to March 2023. Congratulations to Dr. Patrick Gullane on receiving an honorary degree in Science (DSc) from Western University on June 17, 2022 in addition to giving an inspired address to the graduating class.
Dr. Alain Dabdoub was successful in achieving promotion to full professor in our department as of July 1, 2022 – so well deserved!
Dr. Jerry Chapnik retired after more than 50 years in practice at Mt. Sinai Hospital/Sinai Health, Toronto! He is an amazing clinician and surgeon as well as superb teacher, colleague and friend to so many in the department. He will truly be missed but we wish him well in the next chapter in his life.

In Memorium
Not included in the 2020-2021 annual report was the passing of Dr. David Goldfarb on June 25, 2021, at the age of 61. He served as Chief of Otolaryngology at Doctors Hospital (1994 to 1998) before joining North York General Hospital in 1999 and served as Chief of Otolaryngology for 10 years. In recognition of his standing in our department, he was the recipient of 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. David’s passions outside of medicine included a love of singing, acting and theatre production. He will be remembered for his kindness, sense of humour and passion for life and his family.

Dr. Jacob (Jack) Friedberg passed away on December 11, 2021. He was also a Distinguished Alumnus Award recipient and was known as an outstanding teacher, mentor and leader in our department including his term as Otolaryngologist-in-Chief as SickKids. His common sense and practical approaches to problem solving and knowledge translation were unparalleled. He helped so many pass their Royal College exams. Many will have fond memories of his stories, his passion for the outdoors and his love for his family.

Dr. Fred Gentili was a long-standing member of the Division of Neurosurgery and cross-appointed to our department who died on January 15, 2022. Dr. Gentili was an amazing surgeon, mentor, innovator, teacher, colleague and friend to so many in our department. He was a pioneer in open and endoscopic anterior skull base surgery and translated his knowledge nationally and internationally. His knowledge, skill and passion will be missed.

Education
I want to give a huge thank you to Dr. Paolo Campisi, Vice-Chair Education and Director of Postgraduate Education, who has tirelessly worked to make all our education programs so strong. He is an exceptional educator, leader and mentor who has been instrumental in the success of our department.

Some highlights in education this year include the undergraduate education task force which was convened and is ongoing to revise our online course curricula co-chaired by Drs. Allan Vescan and Paolo Campisi. Three virtual CaRMS information sessions were led by Dr. Campisi and residents in our department culminating in the virtual CaRMS interviews held on March 11, 2022. We were very pleased to match and welcome Emily Cheng (University of Toronto), Nicole Crimi (McMaster University), Hugh Kim (Western University) and Jacob Wihlidal (Western University). A welcome barbecue was held at the Campisi residence for the 2020-2021 new residents on August 26, 2021 and the annual resident retreat took place on June 3, 2022 at Grange Park, the Toronto Beach Club and ending at Woodbine beach. A huge shout out to Dr. Jennifer Siu as Chief Resident for 2021-2022. Dr. Amr Hamour was elected by his peers to take over for the 2022-2023 academic year – thank you both.

We had a wonderful graduation ceremony for our resident and fellow graduates with family, friends and many members of our department at Hart House on June 16, 2022.
A very successful Otolaryngology Update 2022 was held on February 5, 2022 and organized by Dr. Yvonne Chan. The 30th Annual Percy Ireland Research Day and Dinner was held on May 5-6, 2022. The Guest of Honour was Dr. Robert V. Harrison and the Percy Ireland Orator was Dr. Patrick Gullane. We had a large number of virtual visiting professors for Grand Rounds and other educational events as detailed in this annual report.

We had an interesting faculty development session on November 11, 2021, organized by Drs. Paolo Campisi and Najma Ahmed in conjunction with the Department of Surgery. The topics were varied and interesting including the effects of ergonomics on a surgeons’ health, the tenacity and willpower to row across an ocean and the search earth-like planets.

**Research**

This research productivity in our department continues to excel. This annual report details the publication of 5 books, 23 textbook chapters, 214 peer-reviewed publications in 114 journals and a large number of national and international presentations (in person and virtual). Thank you to Dr. Alain Dabdoub, Vice-Chair Research, all members of the Research Committee and member of the department who do this wonderful work.

The department was able to support two $25,000 research awards again this year. There were excellent submissions but the awards went to: 1) Dr. Trung Le (Sunnybrook) for his project titled “Treatment of Vestibular Schwannoma in Neurofibromatosis 2 Syndrome Using Bevacizumab and Focused Ultrasound” and 2) Ms. Melissa Hazen (SickKids) for her project titled “Developmental Effects of Concurrent Vestibular and Auditory Dysfunction in Childhood”.

**Awards**

There are many awards detailed in this report but I would like to highlight several.

- Dr. Christopher Noel (PGY3) was the recipient of a *Joseph M. West Family Memorial Fund Award* and Dr. Justine Philineos (PGY2) was the recipient of a *William S. Fenwick Research Fellowship Award* from the Postgraduate Awards Committee in the Temerty Faculty of Medicine. In addition, Dr. Noel successfully defended his PhD thesis on April 6, 2022 in the Institute of Health Policy, Management and Evaluation.
- At the Canadian Society of Otolaryngology-Head & Neck Surgery’s Poliquin Resident Research Competition, three of our residents received research prizes. Dr. Jennifer Siu for her work on “Development of a Neural Network Model to Predict Long-term Mortality in Patients Eligible for Tracheostomy in the ICU” and Drs. Arm Hamour and Jong (John) Lee for their combined work on “Development of a Murine Model for Chronic Rhinosinusitis”.
- The Institute of Medical Science awarded a select number of faculty members with *Faculty Recognition Awards* at their Scientific Day event on May 17, 2022. Three of our faculty received awards: 1) Dr. Jonathan Irish (Strong Mentorship); 2) Dr. Andrew Dimitrijevic (Strong Citizenship) and 3) Dr. Trung Le (Strong Citizenship).
- Congratulations to Drs. Trung Le, John de Almeida and Antoine (Tony) Eskander who were inducted into the Triological Society at their annual meeting on April 29, 2022 in Dallas, Tx. In addition, Dr. Eskander received the *Maureen Hannley Award* for in the outstanding alternative science category and Dr. Le received the Honorable mention Award for Basic Science.
• Dr. Sharon Cushing gave the inaugural Dohlman Lecture on Friday May 15, 2020 titled “Hearing and Balance: What Cochlear Implants Have Taught Us About the Developing Vestibular System”. We were unable to present her with the Dohlman medal until June 16, 2022. The Dohlman Award was established in 1974 to promote interest and activity in vestibular physiology, through the presentation of a gold medal to the researcher who has made the most outstanding contribution to basic vestibular research and solutions to challenging problems.

Administration

We have an exceptional administrative team led by our Business Officer, Audrea Martin. Our Education Coordinator, Andrea Donovan manages undergraduate and postgraduate programs with great efficiency and Sonia Valente, Executive Assistant to the Chair helps to keep all of our important meetings and programs running smoothly. We welcomed Aviva Lev-Aviv as the Administrative and Events Assistant while Safia Amin is on maternity leave until April 2022.

Summary

I continue to be so proud of our faculty, alumni, residents and fellows who continue to go from strength to strength in education, research, administration and leadership. Thank you to everyone who has shown such generosity of their time and energy to help me over the last 10 years. It has been my pleasure and honour to serve this great department and I know Dr. Enepekides will be an exceptional chair.

Respectfully submitted,

Ian Witterick MD
Faculty
## Faculty Members

### 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. Enepekides, MD, MPH, FRCSC
- V. Forte, MD, FRCSC
- J.L. Freeman, MD, FRCSC, FACS
- R.W. Gilbert, MD, FRCSC
- D. Goldstein, MD, MSc, FRCSC
- K. Gordon, PhD, CCC-A, Reg. CASLPO
- P.J. Gullane, CM, OOnt, MB, FRCSC, FACS, Hon-FRACS, Hon-FRCS, Hon-FRCSI, Hon-DSc
- R.V. Harrison, PhD, DSc
- J.C. Irish, MD, MSc, FRCSC, FACS
- A. James, MB, FRCSC, FRCS
- V. Lin, MD, FRCSC
- 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. Chioldo, MD, FRCSC
- K. Conrad, MD, FRCSC, FRCS
- S. Cushing, MD, MSc, FRCSC
- A. Daboub, PhD
- J. de Almeida, MD, MSc, FRCSC
- A. Dimitrijevic, PhD
- A.M. Gantous, MD, FRCSC
- K. Higgins, MD, MSc, FRCSC
- J. Lee, MD, MSc, FRCSC
- E.A. Monteiro, BSc, MD, MSc, FRCSC
- V. Papaioannou, MDSc
- E.J. Propst, MD, MSc, FRCSC
- M. Zirkle, MD, MEd, FRCSC

### Assistant Professors:
- S. Anand, MD, MSc, BArtsSc (Hon), FRCSC
- N. Bailie, PhD, MB, BChir, BA, BSc, FRCSI, FRCS (ORL-HNS)
- M.G. Brandt, BSc, MD, FRCSC
- J. Davies, MD, MSc, FRCSC
- A. Eskander, MD, ScM, FRCSC
- R. Fox, 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
- R. Mounsey, MD, FRCSC, FACS
- R. H.W. Ng, BSc, MD, PhD, FRCSC
- M. Shah, MD, MPhil, FRCSC
- J. Shahin, MD, FRCSC
- 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, MCSc
- A. Alexander, MD, BSc, FRCSC
- J. Asaria, MD, BSc, FRCSC
- J. Atlas, MD, BSc, FRCSC
- J. Banh, HBSc, MSc
- S. Banglawala, MD, BSc, MPH, 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. Coletta, MSc, BSc(Hon)
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
C. Hong, MD, FRCSC
B. Hubbard, MD, BASc, FRCSC
T. Kandaasamy, 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
L. Palmer, M. Sc. Audiology
X. Punthakee, MD, BSc, FRCSC
J. Rakotoarimanana, BSc, MSc
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
M. Simone, BSc(Hon), MSc
K. Smilsky, MCIsC
I. Syrett, MCIsC
V. Toran, MD, BSc, FRCSC
A. Toth, MD, FRCSC
S. Vojvodich, MD, FRCSC
C. Wetmore, MSc, Audiology
J. Witte, MA
A. Wong, MD, BSc, FRCSC
E. Wong, MSc, AuD
J. Xu, MD, FRCSC
C. Yao, MD, 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.-F. Liu, MD, FRCP, Radiation Oncology
R. Martino, MSc, MA, PhD, Speech Language Pathology
B. O’Sullivan, MB Bch BAo, FRCP, Radiation Oncology
J. Ringash, MD, MSc, FRCP, Radiation Oncology
L.E. Rotstein, MD, FRCSC, Surgery
A.M.-F. Wong, MD, PhD, FRCP, 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, FRCP, Laboratory Medicine & Pathobiology
B. Perez-Ordoñez, MD, FRCP, Laboratory Medicine & Pathobiology
S. Symons, BASc, MPH, MD, FRCP, Medical Imaging
J. Waldron, MD, MSc, FRCP, Radiation Oncology

Assistant Professors:

J. Allegro, MSc, Speech Language Pathology
S. Huang, MRT(T), MSc, MD
S. Laughlin, BSc, MD, FRCP, RCPSO, ACR, Medical Imaging

Lecturers:

D. Parker, MSc, Speech Language Pathology

Administrative Staff:

Andrea Donovan, Postgraduate/Undergraduate Administrator
Aviva Lev-Aviv, Events Coordinator (contract)
Audrea Martin, Business Officer
Sonia Valente, Chair’s Assistant/Department Executive Assistant
<table>
<thead>
<tr>
<th>Name</th>
<th>Year</th>
<th>Award Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADAMSON, P</td>
<td>2022</td>
<td>Dr. Peter A. Adamson Endowment Fund for Surgical Training established by the Facial Reconstructive and Cosmetic Surgery India Trust to honour my contributions to the development of the specialty and surgical education in India. Funds provided to resident and fellow surgeons to support their attendance at academic meetings and courses.</td>
</tr>
<tr>
<td>CAMPISI, P</td>
<td>2021</td>
<td>Royal College of Physicians and Surgeons of Canada, Competence by Design Innovator recognition. In recognition of exemplary leadership in the implementation of Competence by Design in your home program.</td>
</tr>
<tr>
<td>CHAN, Y</td>
<td>2022</td>
<td>2021 University of Toronto Department of Otolaryngology – Head &amp; Neck Surgery Distinguished Alumnus Award. For exceptional commitment to the practice and teaching of Otolaryngology – Head &amp; Neck Surgery and whose professional and ethical standards have been of the highest order.</td>
</tr>
<tr>
<td>DAVIES, J</td>
<td>2022</td>
<td>Chapnik, Freeman and Friedberg Clinical Scientist Program Award.</td>
</tr>
<tr>
<td>DIMITRIJEVIC, A</td>
<td>2021</td>
<td>Institute of Medical Sciences Faculty Service Award.</td>
</tr>
<tr>
<td>ENEPEKIDES, D</td>
<td>2022</td>
<td>Recipient, Resident Advocate Award.</td>
</tr>
</tbody>
</table>
| ESKANDER, A        | 2022 | Triological Society Fellow Induction.  
2022 | Maureen Hannley Award.  
2021 | The Honour Award.                                                                                                                                                                                                  |
<p>| FREEMAN, J         | 2022 | Honoured by Mount Sinai Hospital. Created Endowed Distinguished Chair The Jeremy Freeman Family Chair in Surgical Oncology.                                                                                         |
| GOODEN, E          | 2021 | Excellence in Community Based Clinical Teaching Award. Temerty Faculty of Medicine, University of Toronto.                                                                                                         |</p>
<table>
<thead>
<tr>
<th>Name</th>
<th>Year</th>
<th>Award/Recognition</th>
</tr>
</thead>
<tbody>
<tr>
<td>GULLANE, P</td>
<td>2022</td>
<td>Honourary Doctor of Science, D.Sc. Western University.</td>
</tr>
<tr>
<td>HUANG, S</td>
<td>2022</td>
<td>2022 Novartis Oncology Young Canadian Investigator Award. Top ranked Proffered Paper in the Annual NOYCIA Meeting, American Society of Clinical Oncology.</td>
</tr>
<tr>
<td>HAZEN, M</td>
<td>2022</td>
<td>Margaret &amp; Howard Gamble Research Grant, Ontario Student Opportunities Trust Fund, ($11,250).</td>
</tr>
<tr>
<td></td>
<td>2022</td>
<td>Raymond Ng PhD Graduate Award, Department of Otolaryngology – Head &amp; Neck Surgery, Temerty Faculty of Medicine, University of Toronto ($13,000).</td>
</tr>
<tr>
<td></td>
<td>2022</td>
<td>Audiology Leadership Scholarship, Speech-Language &amp; Audiology Canada (SAC), Canada. ($1,000)</td>
</tr>
<tr>
<td></td>
<td>2021</td>
<td>Certificate of Recognition for Clinical Education, The Hospital for Sick Children (Distinction).</td>
</tr>
<tr>
<td></td>
<td>2021</td>
<td>Research Award, Department of Otolaryngology – Head &amp; Neck Surgery, Temerty Faculty of Medicine, University of Toronto ($25,000).</td>
</tr>
<tr>
<td></td>
<td>2021</td>
<td>Staff Continuing Professional Development Fund (SCPDF) Recipient, The Hospital for Sick Children, Department of Communication Disorders, September ($266).</td>
</tr>
<tr>
<td></td>
<td>2021</td>
<td>Certificate of Recognition, The Hospital for Sick Children, Utilization Management Committee.</td>
</tr>
<tr>
<td></td>
<td>2021</td>
<td>Staff Continuing Professional Development Fund (SCPDF) Recipient, The Hospital for Sick Children, Department of Communication Disorders, December ($266).</td>
</tr>
<tr>
<td>IRISH, J</td>
<td>2022</td>
<td>Institute of Medical Science Faculty Recognition Award for Strong Mentorship.</td>
</tr>
<tr>
<td>MONTEIRO, E</td>
<td>2021</td>
<td>Resident Advocate Award.</td>
</tr>
<tr>
<td></td>
<td>2022</td>
<td>Alma Smitheringale Excellence in Undergraduate Teaching Award.</td>
</tr>
</tbody>
</table>
## Leadership Activities

| **ADAMSON, P** | 2021-present | Senior Advisor. International Federation of Facial Plastic Surgery Societies. |
| | 2019-present | Senior Advisor. Facial Reconstructive Cosmetic Surgery India Trust. |
| | 1996-present | President and Founder. Face the Future Foundation. |

### American Academy of Facial Plastic and Reconstructive Surgery

- **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

- **1988-present**: Director, Officer.
- **1999-present**: Senior Examiner. Responsibilities include new examiner training and orientation for examiners and candidates in Washington, DC.
- **2019-2021**: Member, Maintenance of Certification Working Group to assess new annual online Maintenance of Certification Program, FaceForward.
- **2021-present**: Global Ambassador and Officer Executive Committee.

### 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

- **2021-present**: Immediate Past-President.
- **2021-present**: Global Ambassador and Member of the Executive Committee.
- **2012-present**: Officer. Member Executive Committee.

| **BANH, J** | 2013-present | Member. Canadian Audiology Association. |

| **BRACE, M** | 2021-present | Examiner, American Board of Facial Plastic and Reconstructive Surgery. |


### Editorial Boards

- **2016-present**: Oral Diseases.
<table>
<thead>
<tr>
<th><strong>CAMPISI, P</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>American Society of Pediatric Otolaryngology</strong></td>
<td></td>
</tr>
<tr>
<td>2021-present</td>
<td>Member. Membership Committee.</td>
</tr>
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<td></td>
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<tr>
<td><strong>International Federation of ORL Specialties</strong></td>
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<td></td>
<td></td>
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<tr>
<td><strong>Canadian Society of Otolaryngology-Head &amp; Neck Surgery</strong></td>
<td></td>
</tr>
<tr>
<td>2021-present</td>
<td>Treasurer.</td>
</tr>
<tr>
<td>2018-2022</td>
<td>Historian.</td>
</tr>
<tr>
<td>2012-2022</td>
<td>Chair. Pediatric Otolaryngology Study Group.</td>
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<tr>
<td>2016-2022</td>
<td>Chair. Program Directors Committee.</td>
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<tr>
<td><strong>Royal College of Physicians and Surgeons of Canada</strong></td>
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<tr>
<td>2012-present</td>
<td>Member. Otolaryngology-Head &amp; Neck Surgery Specialty Committee.</td>
</tr>
<tr>
<td>2012-present</td>
<td>Member &amp; Examiner. Otolaryngology-Head &amp; Neck Surgery Examination Board.</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Think Tank in Otolaryngology: ENT Innovations and Pearls</strong></td>
<td></td>
</tr>
<tr>
<td>2020-present</td>
<td>Co-Course Director. P. Campisi, M. Casale, P. Baptista.</td>
</tr>
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<td></td>
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<tr>
<td><strong>University of Toronto</strong></td>
<td></td>
</tr>
<tr>
<td>2020-2022</td>
<td>Member. Faculty Council Executive Committee.</td>
</tr>
<tr>
<td>2020-2022</td>
<td>Departmental Representative. Faculty Council.</td>
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<tr>
<td>2018-2021</td>
<td>Member. Simulation Education Advisory Committee.</td>
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<tr>
<td>2017-2022</td>
<td>Member. PGME Internal Review Committee.</td>
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<td>2017-2022</td>
<td>Member. Vice Chairs Education Committee.</td>
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<td>2012-2022</td>
<td>Member. Postgraduate Medical Education Advisory Committee.</td>
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<td>2012-2022</td>
<td>Member. Foundations of Surgery Committee.</td>
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<td></td>
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<tr>
<td><strong>Manuscript Reviewer</strong></td>
<td></td>
</tr>
<tr>
<td>2010-present</td>
<td>Journal of Pediatric Hematology/Oncology.</td>
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<tr>
<td>2009-present</td>
<td>The Pediatric Infectious Disease Journal.</td>
</tr>
<tr>
<td>2006-present</td>
<td>JAMA Otolaryngology Head &amp; Neck Surgery.</td>
</tr>
<tr>
<td>2005-present</td>
<td>The Laryngoscope.</td>
</tr>
<tr>
<td>2004-present</td>
<td>Paediatrics and Child Health.</td>
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</table>

<table>
<thead>
<tr>
<th><strong>CHAN, Y</strong></th>
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</tr>
</thead>
<tbody>
<tr>
<td>2022</td>
<td>Mentor. Royal College of Physicians and Surgeons of Canada Regional Advisory Committee new members.</td>
</tr>
<tr>
<td>2021-present</td>
<td>Associate Editor. Ear, Nose &amp; Throat Journal.</td>
</tr>
<tr>
<td>2021-present</td>
<td>Faculty Editor for Otolaryngology Chapter, The Toronto Notes 2022 and 2023.</td>
</tr>
<tr>
<td>2019-present</td>
<td>Member. Diversity Advisory Council, Temerty Faculty of Medicine, University of Toronto.</td>
</tr>
</tbody>
</table>
2017-present Member. Royal College of Physicians and Surgeons of Canada Regional Advisory Committee 3.

American Academy of Otolaryngology Head and Neck Surgery
2021-present Member. Annual Meeting Program Committee.
2019-present Leadership and Mentorship Representative. CSO Women in Otolaryngology Section.
2018-present Member. CSO Women in Otolaryngology Section.
2018-present Chair. CSO Continuing Professional Development Committee Chair.
2015-present Member. Rhinology and Allergy Education Committee.

Manuscript Reviewer
2020-present The Laryngoscope.
2014-present International Forum of Rhinology & Allergy.

Unity Health - St. Michael’s Hospital
2022-present Evaluator. Unity Health EPR Procurement - Ambulatory.
2021-present Member. Perioperative Quality & Safety Committee.
2021-present Member. Surgical Safety Checklist Subcommittee.
2021-present Member. Medical Advisory Committee.
2021-present Member. Council of Medical Leaders.
2021-present Member. Ambulatory Surgery Centre Development Committee.
2021-present Member. Electronic Patient Record Procurement Committee.
2021-present Member. Perioperative Cabinet Committee.
2021-present Member. SMH Association, St. Michael’s Hospital.
2021 Member. Corporate Medical Advisory Committee.

CHEN, J

CUSHING, S
2022 Program Committee Member. SENTAC Meeting. 2022. Philadelphia.
2022-present Executive Board Member. International Society of Auricular Reconstruction.
2017-present Member. Barany Society.
2014-present Board Member. Interamerican Association of Pediatric Otorhinolaryngology.
2003-present Member. Association for Research in Otolaryngology.
2003-present Member. Canadian Medical Association.
2003-present Member. Ontario Medical Association.

Associate or Section Editing
2016-present Frontiers in Otorhinolaryngology-Head and Neck Surgery.
Editorial Boards
2010-present Otology & Neurotology.

Manuscript Reviewer
2021-present BMC-Pediatrics.
2020-present Behavioral Sciences.
2018-present Archives of Otolaryngology and Rhinology.
2018-present International Journal of Neurological Disorders.
2018-present JAMA Otolaryngology-Head & Neck Surgery.
2017-present Clinical Genetics.
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 Otolaryngology-Head and Neck Surgery.
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.

DABDOUB, A
2022-present Associate Editor, Journal of the Association for Research in Otolaryngology.
2021-present External Advisory Committee Member for the Translational Hearing Center, an NIGMS Institutional Development Award Center of Biomedical Research Excellence, Creighton University, USA.
2021-present User Advisory Board Member for Gene Expression Analysis Resource, University of Maryland, School of Medicine, USA.
2019-present Vice-Chair, Research, Department of Otolaryngology-Head & Neck Surgery, Temerty Faculty of Medicine, University of Toronto.
2011-present Member. Hearing Restoration Project Consortium, Hearing Health Foundation.
### DAVIES, J

<table>
<thead>
<tr>
<th>Year</th>
<th>Role</th>
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<tbody>
<tr>
<td>2021-present</td>
<td>Member. Elective Booking Policy Group. Mount Sinai Hospital.</td>
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### DE ALMEIDA, J

<table>
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<tr>
<th>Year</th>
<th>Role</th>
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<tbody>
<tr>
<td>2022-present</td>
<td>Member and Skull Base Section Representative, Curriculum Development and Maintenance Service, American Head and Neck Society.</td>
</tr>
<tr>
<td>2022-present</td>
<td>Member. Head and Neck Cancer Core Committee, NRG Oncology</td>
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<tr>
<td>2021-present</td>
<td>Member. Steering Committee Head and Neck Cancer International Group — AI Initiative (Artificial Intelligence in Head and Neck Cancer).</td>
</tr>
<tr>
<td>2021-present</td>
<td>Committee Member. Clinical Practice Guidelines Committee, American Head and Neck Society.</td>
</tr>
<tr>
<td>2020-present</td>
<td>Member. Value and Quality Committee, American Head and Neck Society.</td>
</tr>
<tr>
<td>2020-present</td>
<td>Member. American Head and Neck Society Skull Base Section Committee.</td>
</tr>
<tr>
<td>2020-present</td>
<td>Member. Surgical Sub-committee. Head and Neck Cancer International Group.</td>
</tr>
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### Manuscript Reviewer

<table>
<thead>
<tr>
<th>Year</th>
<th>Journal/Conference</th>
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<tbody>
<tr>
<td>2022-present</td>
<td>Journal of Clinical Oncology.</td>
</tr>
<tr>
<td>2018-present</td>
<td>Journal of Surgical Oncology.</td>
</tr>
<tr>
<td>2018-present</td>
<td>Journal of the National Cancer Institute.</td>
</tr>
<tr>
<td>2016-present</td>
<td>International Journal of Cancer.</td>
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<tr>
<td>2014-present</td>
<td>Cancer.</td>
</tr>
<tr>
<td>2012-present</td>
<td>Head &amp; Neck.</td>
</tr>
<tr>
<td>2009-present</td>
<td>The Laryngoscope.</td>
</tr>
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</table>

### ENEPEKIDES, D

<table>
<thead>
<tr>
<th>Year</th>
<th>Role</th>
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</thead>
<tbody>
<tr>
<td>2021-present</td>
<td>Chair. American Head and Neck Society Salivary Gland Section.</td>
</tr>
<tr>
<td>2018-2020</td>
<td>Skin Cancer Care Pathway Development Team Member.</td>
</tr>
<tr>
<td>2018-present</td>
<td>Chief. Department of Otolaryngology-Head &amp; Neck Surgery, Sunnybrook Health Sciences Centre.</td>
</tr>
<tr>
<td>2014-present</td>
<td>Regional Lead (Toronto Central North), Surgical Oncology. Cancer Care Ontario/Ontario Health.</td>
</tr>
<tr>
<td>2014-present</td>
<td>Chief. Division of Surgical Oncology, Odette Cancer Centre, Sunnybrook Health Sciences Centre.</td>
</tr>
<tr>
<td>2011-present</td>
<td>Member. Advanced Training Council Committee, American Head and Neck Society.</td>
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### Manuscript Reviewer

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<th>Year</th>
<th>Journal/Conference</th>
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<tr>
<td>2013-present</td>
<td>JAMA Otolaryngology-Head &amp; Neck Surgery.</td>
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<tr>
<td>2002-present</td>
<td>Head &amp; Neck.</td>
</tr>
<tr>
<td>2002-present</td>
<td>Otolaryngology-Head and Neck Surgery.</td>
</tr>
<tr>
<td>2002-present</td>
<td>The Laryngoscope.</td>
</tr>
</tbody>
</table>
ESKANDER, A

2022-2025 Member. Ontario Head and Neck Cancers Advisory Committee, Ontario Health, Cancer Care Ontario.
2022-2023 Member. 2023 Program Committee, American Head and Neck Society.
2022-present Board of Directors. Head and Neck Cancer Alliance.
2022-present Member. Thyroid Surgery Quality Based Procedures Committee, Ontario Health, Cancer Care Ontario.
2022-present Member. Odette Cancer Centre Program Education Council, Sunnybrook Odette Cancer Centre.
2022-present Disease Site Lead. Head and Neck Site Group, Sunnybrook Odette Cancer Centre.
2022-present Member. Research & Innovation Committee, Michael Garron Hospital.
2021-present AHNS Lead. US National HPV Vaccination Roundtable as part of the American Cancer Society, American Cancer Society.
2021-present Member. Salivary Section Research Committee, American Head and Neck Society.
2020-present Member, Head and Neck Cancer Surgery Quality Based Procedures Committee, Ontario Health, Cancer Care Ontario.
2018-present Member. Odette Cancer Centre Palliative Care Advisory Committee.
2018-present Member. Thyroid Oncology Collaborative Working Group: Education, University of Toronto.
2018-present Member. Thyroid Oncology Collaborative Working Group: Clinical Research/Trials, University of Toronto.
2017-present Member. Laser Safety Committee, Toronto East Health Network - Michael Garron Hospital.
2017-present Chair. Endocrine Oncology Tumour Board, Michael Garron Hospital.
2017-present Member. Endocrine Section Research Committee, American Head and Neck Society.

Editorial Boards
2022-present Associate Editor. JAMA Otolaryngology – Head & Neck Surgery.
2018-present Associate Editor. Oral Oncology.

Grant Reviewer
2022 Reviewer, MSI Grant Review.
2018-present American Academy of Otolaryngology, Head and Neck Sub-Committee Centralized Otolaryngology Research Efforts Grant Committee Reviewer.
2018-present CMAJ.
2018-present Current Oncology.
2017-present Head & Neck-Endocrine Section.
<table>
<thead>
<tr>
<th>Name</th>
<th>Years</th>
<th>Roles/Activities</th>
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<tbody>
<tr>
<td>FALLS, C</td>
<td>2016-present</td>
<td>British Journal of Cancer.</td>
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<tr>
<td></td>
<td>2016-present</td>
<td>Journal of Otolaryngology-Head &amp; Neck Surgery (Head and Neck Oncology).</td>
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<tr>
<td></td>
<td>2016-present</td>
<td>Oral Oncology.</td>
</tr>
</tbody>
</table>

**FALLS, C**

- 2021-present: Director. Canadian Academy of Audiology Board of Directors.
- 2021-present: Executive Member. National Vestibular Special Interest Group.

**GANTOUS, A**

- 2019-present: Head. Division of Facial Plastic and Reconstructive Surgery. Department of Otolaryngology-Head & Neck Surgery. Temerty Faculty of Medicine, University of Toronto.

**GEVORGYAN, A**

- 2022-present: Member. Representing Department of Surgery, Lakeridge Health Corporation. Surgical eReferral Steering Committee, Central East Hospital Cluster.
- 2020-present: Specialty Champion. Power User and Super User, Epic HIS regional implementation, Central East Hospital Cluster / Lakeridge Health site.
- 2021-present: Delegate. Section on Otolaryngology – Head and Neck Surgery, Priority and Leadership Group, Ontario Medical Association.
- 2019-present: Secretary-Treasurer and Vice Chair. Section on Otolaryngology-Head & Neck Surgery, Ontario Medical Association.
- 2018-present: Member. Editorial Board. Rhinology Online.
- 2020-present: Reviewer. Rhinology Online.
- 2015-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.

**GOODEN, E**

- 2022: Member. Medical Staff Association Executive Search Committee, North York General Hospital.
- 2021-present: Chair. Governance and Nominations Committee, NYGH Foundation Board.
<table>
<thead>
<tr>
<th>Year</th>
<th>Position</th>
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<tbody>
<tr>
<td>2018-22</td>
<td>Chair, Development Committee, North York General Hospital Foundation Board.</td>
</tr>
<tr>
<td>2018-present</td>
<td>Director. Face the Future Foundation.</td>
</tr>
<tr>
<td>2011-present</td>
<td>Director. North York General Hospital Foundation Board.</td>
</tr>
<tr>
<td>2009-present</td>
<td>Member. Surgical Program Governance Committee. North York General Hospital</td>
</tr>
<tr>
<td>2009-present</td>
<td>Chief. Department of Otolaryngology-Head &amp; Neck Surgery, North York General Hospital</td>
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**GORDON, K**

<table>
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<tr>
<th>Year</th>
<th>Position</th>
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<tbody>
<tr>
<td>2022-present</td>
<td>Associate Editor. Trends in Hearing.</td>
</tr>
<tr>
<td>2022</td>
<td>Advisory Board Member. House Children’s Hearing Center, CA USA.</td>
</tr>
<tr>
<td>2022</td>
<td>Member. Nominations Committee, Society for Ear, Nose and Throat Advances in Children.</td>
</tr>
<tr>
<td>2022</td>
<td>Member. Research Committee. Society for Ear, Nose and Throat Advances in Children.</td>
</tr>
<tr>
<td>2016-present</td>
<td>Cochlear Americas Chair in Auditory Development. Hospital for Sick Children.</td>
</tr>
</tbody>
</table>

**GULLANE, P**

**North American Skull Base Society**

<table>
<thead>
<tr>
<th>Year</th>
<th>Position</th>
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<tbody>
<tr>
<td>1989-present</td>
<td>Founding Member.</td>
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**Ontario Cancer Institute**

<table>
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<tr>
<th>Year</th>
<th>Position</th>
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<tbody>
<tr>
<td>2000-present</td>
<td>Senior Scientist. Cancer Informatics Division (Sub Committee of Research Council).</td>
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</table>

**Member, Editorial Board**

<table>
<thead>
<tr>
<th>Year</th>
<th>Journal Name</th>
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<tbody>
<tr>
<td>2000-present</td>
<td>The Laryngoscope.</td>
</tr>
<tr>
<td>2000-present</td>
<td>Head &amp; Neck.</td>
</tr>
<tr>
<td>1993-present</td>
<td>American Journal of Otolaryngology.</td>
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</table>

**Manuscript Reviewer**

<table>
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<tr>
<th>Year</th>
<th>Journal Name</th>
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</table>

**Editorial Review Board**

<table>
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<tr>
<th>Year</th>
<th>Journal Name</th>
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<tbody>
<tr>
<td>1991-present</td>
<td>Les Annales d’Otolaryngologie et de Chirurgie Cervico-Faciale.</td>
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**HAZEN, M**

<table>
<thead>
<tr>
<th>Year</th>
<th>Position</th>
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<tbody>
<tr>
<td>2020-present</td>
<td>Career Host. Career Exploration &amp; Education, University of Toronto.</td>
</tr>
<tr>
<td>2019-present</td>
<td>Member. Audiology. Circle of Cleft Professional.</td>
</tr>
</tbody>
</table>
HIGGINS, K

2022  Expert Reviewer. AHNS 2022 11th International Conference Program Committee, American Head and Neck Society.

2022  Head and Neck Working Group Committee Member; International Federation of Otolaryngology Societies.

2021-present Fellowship Lead and Executive Committee; Canadian Association of Head and Neck Surgeons.

2021-present Member. Cancer Care Ontario, Ontario Health Skin Cancers Advisory Committee.

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

2020-present Member. Cancer Care Ontario, Head and Neck Pandemic Response Group.


2019-present Executive Member. Fellowship Steering Committee, Advanced Triologic Training Council Fellowship Program, Division of Head and Neck Surgery, Department of Otolaryngology-Head and Neck Surgery.


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


2017-present Member. Sunnybrook’s Sustainability Program Office, Sunnybrook Health Sciences Centre.

2017-present Member. Dean’s Faculty Council, Temerty Faculty of Medicine, University of Toronto, MD Program.

2016-present Member. Council of Academic Hospital of Ontario Physician Quality Improvement Initiative, Department of Otolaryngology-Head & Neck Surgery, 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.


2012-present Member. Undergraduate Committee, Department of Otolaryngology/Head and Neck Surgery, Sunnybrook Hospital.

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

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

2008-present Member. Division of Facial Plastic and Reconstructive Surgery, Department of Otolaryngology-Head & Neck Surgery.

2006-present Member. Melanoma Site Group, Odette Cancer Centre, Sunnybrook Health Sciences Centre.

2003-present Member. Fellowship Selection Committee. Division of Head and Neck Surgery, Department of Otolaryngology-Head & Neck Surgery.

Manuscript Reviewer


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.

**HUBBARD, B**

2021-present  Member. Credentials Committee, Michael Garron Hospital.
2021-present  Member. Medical Advisory Committee, Michael Garron Hospital.

**IRISH, J**

2021-present  Member, Advanced Training Council, American Head and Neck Society.
2017-present  Member. Executive Committee. Asia-Pacific Society of Thyroid Surgery.

2017-present  Head. Division of Head and Neck Oncology and Reconstructive Surgery, Department of Otolaryngology-Head & Neck Surgery, University of Toronto.
2011-present  Director of Clinical Faculty. Core Lead - Guided Therapeutics, TECHNA, Institute, University Health Network.

**American Academy of Otolaryngology-Head and Neck Surgery**

2020-2022  Member. Head and Neck Surgery and Oncology Committee.

**Canadian Cancer Society**

2021-present  Member, Board of Directors (National Board).

**Cancer Care Ontario-Ontario Health**

2021-present  Vice President. Clinical, Cancer Programs, Ontario Health-Cancer Care Ontario.
2020-2021  Interim Provincial Clinical Head. Cancer Care Program and Quality Initiatives.
2020-present  Co-Chair. Clinical Council.
2020-present  Member. Provincial Leadership Council.

**Ministry of Health and Long-Term Care**

2009-present  Chair. Surgery and Diagnostic Imaging Council, Access to Care.

**Ontario Health**

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.

**Ontario Institute of Cancer Research**
2020-present Member. Board of Directors.

**Associate Editor**
2010-present Head & Neck.

**Manuscript Reviewer**
2008-present Cancer.
2003-present The Laryngoscope.
2002-present Head & Neck.

**JAMES, A**
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. CSO Otology papers.
2019 Committee Member. Cochlear Implant RFP. Sunnybrook Health Sciences Centre.

**LE BLANC, E**
2021-present Section Co-editor. ENT & Audiology News, Tech Review.
2021-present Member. Finance & Risk Committee, DeafBlind Ontario Services.
2017-present Board Member. Deafblind Ontario Services.
2014-present Member. Client Services Committee, DeafBlind Ontario Services.

**LEE, J**
2014-present Faculty Member. Editorial Board. F1000 Prime: Section on Rhinology and Paranasal Sinus Disease.
2014-present Member. Advisory Board. F1000 Research.

**Manuscript Reviewer**
2019-present Investigative Otolaryngology.
2011-present The Laryngoscope.
Lin, V

2019-present Expert Assessor, WSIB, Otology/Neurotology Opinions for Cases Escalated to Tribunal Level.
2018-present Chair. Otolaryngology Section, Ontario Medical Association.
2017-present Examiner. Otology/Neurotology section, Royal College of Physicians and Surgeons of Canada.
2011-present Clinical and Research Advisor. Audiology, ENT and Speech Working Group, Department of Otolaryngology-Head & Neck Surgery, Temerty Faculty of Medicine, Patient and Public Education. Ontario Health Study.

Canadian Society of Otolaryngology-Head & Neck Surgery
2022-present Secretary. Executive Committee.
2018-2022 Scientific Program Chair. Executive Committee.
2018-present Founding Member, Canadian Collaborative Research Initiative Core Group.
2016-present Council Member. Vestibular Working Group.
2013-present Postgraduate Director. Sunnybrook Health Sciences Centre, Department of Otolaryngology-Head & Neck Surgery, Temerty Faculty of Medicine, Postgraduate MD.

University of Toronto
2017-present Member. AFP Innovation Grant Review Committee. Sunnybrook Health Sciences Centre, Temerty Faculty of Medicine, Department of Otolaryngology-Head & Neck Surgery.
2013-present Postgraduate Director. Sunnybrook Health Sciences Centre, Department of Otolaryngology-Head & Neck Surgery, Temerty Faculty of Medicine, Postgraduate MD.
2011-present Research Advisor. Postgraduate Committee, Research Coordinator, Department of Otolaryngology-Head & Neck Surgery, Temerty Faculty of Medicine, Postgraduate MD. Resident Research Supervisor/Coordinator.
2008-present Contributo. Otolaryngology-Head & Neck Surgery Annual Resident In-Service Examination, Department of Otolaryngology-Head & Neck Surgery, Temerty 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.
2015-present Frontiers in Neuroscience.
2014-present Journal of Medical and Biomedical Engineering.
2012-present Hearing Research.
2012-present Otolaryngology-Head and Neck Surgery.
<table>
<thead>
<tr>
<th>Year</th>
<th>Role/Position</th>
</tr>
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<tbody>
<tr>
<td>2010-present</td>
<td>Otology &amp; Neurotology.</td>
</tr>
<tr>
<td>2009-present</td>
<td>The Laryngoscope.</td>
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<td>2009-present</td>
<td>American Journal of Case Reports.</td>
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</table>

**LIN, RJ**

<table>
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<tr>
<th>Year</th>
<th>Role/Position</th>
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<tbody>
<tr>
<td>2020-present</td>
<td>Associate Editor. Journal of Otolaryngology-Head &amp; Neck Surgery.</td>
</tr>
</tbody>
</table>

**MARTINO, R**

<table>
<thead>
<tr>
<th>Year</th>
<th>Role/Position</th>
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</thead>
<tbody>
<tr>
<td>2022-present</td>
<td>Member. Planning Committee, World Dysphagia Symposium.</td>
</tr>
<tr>
<td>2022-present</td>
<td>Invited Faculty. World Dysphagia Symposium.</td>
</tr>
<tr>
<td>2022-present</td>
<td>External Grant Reviewer. Project Grants/KTR, Canadian Institutes of Health Research.</td>
</tr>
<tr>
<td>2022</td>
<td>Tenure/Promotion Reviewer. Department of Speech and Language Studies, Trinity College, University of Dublin, Dublin, Ireland.</td>
</tr>
<tr>
<td>2021-present</td>
<td>External Advisor. Gleiberman Head and Neck Cancer Center Advisory Council.</td>
</tr>
<tr>
<td>2021-present</td>
<td>Scientific Faculty. World Dysphagia Summit, Global Oncology Leadership Development Program (GOLD).</td>
</tr>
<tr>
<td>2020-present</td>
<td>Member. International Inter-Professional Committee, Dysphagia Research Society.</td>
</tr>
<tr>
<td>2020-present</td>
<td>Associate Member. American Head and Neck Society.</td>
</tr>
<tr>
<td>2018-present</td>
<td>Member. College, Canadian Institutes of Health Research.</td>
</tr>
<tr>
<td>2013-present</td>
<td>Associate Editor. Dysphagia Journal.</td>
</tr>
<tr>
<td>2012-present</td>
<td>Associate Member. Canadian Centre for Applied Research in Cancer Control.</td>
</tr>
<tr>
<td>2007-present</td>
<td>Member. Collaborative Program in Neuroscience, University of Toronto.</td>
</tr>
<tr>
<td>2007-present</td>
<td>Member. Canadian Cancer Trials Group (previously National Cancer Institute of Canada) – Head and Neck Site.</td>
</tr>
<tr>
<td>2004-present</td>
<td>Member. Dysphagia Research Society.</td>
</tr>
</tbody>
</table>

**NAZARALI, K**

<table>
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<tr>
<th>Year</th>
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</thead>
<tbody>
<tr>
<td>2012-present</td>
<td>Member. Pharmaceuticals and Therapeutics Committee. Trillium Health Partners.</td>
</tr>
<tr>
<td>2012-present</td>
<td>Director. Continuing Education. West End Otolaryngology-Head and Neck Surgery Group.</td>
</tr>
</tbody>
</table>

**PAPAIOANNOU, V**

<table>
<thead>
<tr>
<th>Year</th>
<th>Role/Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>2021-present</td>
<td>Treasurer Elect. Society for Ear Nose and Throat Advances in Children.</td>
</tr>
<tr>
<td>2022-present</td>
<td>Member. Rehab Care Alliance Toronto Central Workforce Task Group.</td>
</tr>
<tr>
<td>2017-present</td>
<td>Lead. Division of Audiology, Department of Otolaryngology-HNS, Temerty Faculty of Medicine.</td>
</tr>
</tbody>
</table>

**PAPSIN, B**

<table>
<thead>
<tr>
<th>Year</th>
<th>Role/Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010-present</td>
<td>Member. How I do it Committee. The Triologic Society.</td>
</tr>
</tbody>
</table>
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. 
2006-present  Archives of Otolaryngology-Head and Neck Surgery. 
2004-present  BMC Ear, Nose and Throat Disorders. 
2003-present  The Laryngoscope. 

Manuscript Reviewer

PROPST, E

Hospital for Sick Children
2017-present  Member. Hospital Wide Morbidity and Mortality Committee. 
2016-present  Supervisor. Safe Tracheotomy Care Parent Information Booklet. 
2015-present  Medical Advisor. Critical Airway Response Team. 
2013-present  Member. Multidisciplinary Tracheoesophageal Fistula Clinic. 
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. 

American Society of Pediatric Otolaryngology
2020-present  Member. Ad Hoc COVID-19 Committee. 
2017-present  Member. Fellowship Committee, Postgraduate MD. 

The Aerodigestive Society
2018-2021  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
2019-2022 Member. Executive Committee.

Manuscript Reviewer
2017-present Sleep and Breathing.
2016-present Dentistry Journal.
2016-present Pediatric Pulmonology.
2015-present Hospital Pediatrics.
2015-present Pediatrics.
2014-present The Laryngoscope.
2012-present Sensors.

VESCAN, A

WITTERICK, I
American Head & Neck Society
2021-present Chair. Skull Base Surgery Section.

Canadian Society of Otolaryngology-Head & Neck Surgery
2021-2022 Immediate Past President.
2019-2021 President.
2016-present Member. Canadian Society of Otolaryngology-Head & Neck Surgery Council.
2012-2022 Member. Canadian Otolaryngology Academic Chairs Committee.
2002-present Member. Head & Neck Oncology Group.
2002-present Member. Rhinology Group.

Global Online Fellowship in Head & Neck Surgery and Oncology
2018-present Member. Board of Directors.
2021 Virtual Oral Examiner.

North American Skull Base Society
2019-present Member. Board of Advisors.

Royal College of Physicians and Surgeons of Canada
2016-present Member. International (residency) Program Review Accreditation Committee.

Sinai Health
2012-present Chief. Department of Otolaryngology-Head & Neck Surgery.
2012-present Member. Medical Advisory Council.

Temerty Faculty of Medicine, University of Toronto
2022 Member. Search Committee, Wharton Chair in Head & Neck Surgery.
2020-2022  Member. Advisory Group to the Director of the Institute of Medical Science.
2016-2022  University Clinical Department Chair representative. Toronto Academic Health Sciences Network Medical Affairs Committee.
2012-2022  Member. Clinical Chairs Committee.
2012-2022  Member. All Chairs Committee.
2008-2022  Member. Steering Committee, Surgical Skills Centre.

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

**Associate Editor**
2010-present  American Journal of Rhinology & Allergy.

**Member Editorial Board**
2015-present  International Forum of Allergy & Rhinology.
2010-present  American Journal of Rhinology & Allergy.
2010-present  Journal of Neurological Surgery, Part B: Skull Base.
2009-present  Ear, Nose & Throat Journal.

**WOLTER, N**
2022-present  Lead. Ontario Button Battery Task Research Collaborative, Ontario Canada
2021-present  Committee Member. The Society for Ear Nose and Throat Advancement in Children Outreach/Research Committee.
2021-present  Co-Lead. Hospital for Sick Children – Button Battery Task Force.
2019-present  Program Committee Member. Difficult Airway Committee. Perioperative Services Advisory Committee. Hospital for Sick Children.
2019-present  Program Committee Member. Surgical Site Infection 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  The Laryngoscope.
2016-present  International Journal of Pediatric Otorhinolaryngology.

**XU, J**
2021-2022  Member, Electronic Media Committee, International Surgical Sleep Society.
2021-2022  Member, Media and Public Relations Committee, American Academy of Otolaryngology-Head and Neck Surgery.
## Research Grants and Contracts

| **BRADLEY, G** | 2017-2022 | Principal Investigator. Oral Squamous Cell Carcinoma Associated with Precursor Lesions An Analysis of Ontario Cancer Data. This project is a collaboration among U of Toronto (lead institution), Cancer Care Ontario, Western University, Sunnybrook Health Sciences Centre, Mt. Sinai Hospital. Internal funding from Faculty of Dentistry. |
| **BRADLEY, G** | 2019-2022 | Principal Investigator. Review of intra-oral salivary gland tumours in the Toronto Oral Pathology Service database: Concordance of Biopsy Diagnosis with Surgical Pathology Diagnosis. Co-investigators: Drs. M. Magalhaes, B. Perez Ordonez, C. MacMillan, I. Kak. This is the basis of a MSc research project for a resident in Oral Pathology and Oral Medicine. Internal funding from Faculty of Dentistry. |

| **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 $5.7M. |
| **CAMPISI, P** | 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. |

| **CHAN, Y** | 2022 | Co-investigator. Domestic Responsibilities in Canadian Otolaryngologists: Survey. AMOSO Opportunities Fund, Western University. |
| **CHAN, Y** | 2022 | Co-investigator. Domestic Responsibilities in Canadian Otolaryngologists: Survey. Otolaryngology – Catalyst Grant, Department of Otolaryngology – Head & Neck Surgery, Western University. |

| **CHEN, J** | 2022 | Clinical research projects will include a user experience/non-inferiority testing, prototype testing-3D immersive virtual goggles, diagnostic and ablative ultrasound probe, cranial nerve tractography. Toward funding a new robotic exoscope surgical viewing platform (Synaptive Modus V) Sunnybrook SD1 Personalized Precision Medicine Grant. $850,000 CAD. |

| **CUSHING, S** | 2022-2027 | Collaborator. Operating Grant. A subcortical circuit for coordinating express reaches. CIHR. PI: Corneil B. $857,435 CAD. |

**DABDOUB, A**

2022-27 Principal Investigator. Multiomic Approaches to Identify Regenerative Pathways for the Treatment of Inner Ear Disorders. Canadian Institutes of Health Research – CIHR. $880,000 CAD.

2021-23 Principal Investigator. Sensory Hair Cell and Supporting Cell Homeostatic States. Hearing Health Foundation. $410,000 USD.

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 - NSERC. $165,000 USD.

2020-22 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.

**DE ALMEIDA, J**


2021-present Co-Investigator. OICR Clinical Translation Pathway Funding Opportunity – Pre-CATA. Total funding is $250,000 for three years $750,000 CAD.


Therapeutics Evaluation Program. Co-Investigators: Ali Hosni, Wei Tu, Wendy Parulekar. Clinical Trial Grant. $2,958,000 CAD.

2021-2028

2019-present

2018-present

ENEPEKIDES, D

2019-2025

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. 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

ESKANDER, A

2022-2024
Co-Investigator. Cancer Care for Patients Diagnosed with Cancer Through the Emergency Department. Canadian Association of Emergency Physicians Grant. Principal Investigator: Grewal, Keerat. Co-Investigators: Jackie Bender, Bjug Borgundvaag, Sheldon Cheskes, Kerstin de Wit,
Antoine Eskander, Brooke Filsinger, Jonathan Irish, Monica Krzyzanowska, Shelley L McLeod, Rohit Mohindra, Howard Ovens, David Savage, Rinku Sutradhar, Venkatesh Thiruganasmambamourthy, Rachel Walsh. $10,000 CAD.

2022-2027 Principal Investigator. Decreasing Emergency Department Visits Among Cancer Patients Ontario Ministry of Colleges and Universities Early Researchers Award Round 16. $190,000 CAD.


2022-2024 Co-Investigator. Defining Value for Patient-Centred Cancer Care Delivery. Sunnybrook AFP Innovation Fund Operating Grant. Principal Investigator: Coburn, Natalie. Co-Investigators: Dhruvin Hirpara, Nicole Look-Hong, Antoine Eskander, Matthew Cheung, Nicole Mittmann, Rinku Sutradhar, Alyson Mahar, Julie Deleemans. $64,625.00 CAD.


2021-2022 Principal Investigator. Gaps in Management of System-Wide Depression Screening in Patients with HNC. AAO-HNSF Health Services Research Grant. Principal Investigator: Eskander, Antoine. Co-Investigators: Christopher Noel, Jonathan Irish, Simone Vigod, Julie Hallet, Rinku Sutradhar, David Forner. $10,000 USD.


2020-2024 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. 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.


<table>
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<tr>
<th>Name</th>
<th>Years</th>
<th>Title</th>
<th>Funding Sources</th>
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<tbody>
<tr>
<td><strong>GORDON, K</strong></td>
<td>2020-2024</td>
<td>Primary Investigator. Novel Treatment to Promote Spatial Hearing in Children who are Deaf. Co-Investigators: Papsin, B.C., Cushing, S.L.; Collaborators: Scollie, S., Papaioannou, V., CIHR Project Grant, Fall 2019 competition.</td>
<td>$559,980 CAD.</td>
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<tr>
<td></td>
<td>2022-2023</td>
<td>Co-Principal Investigator. Developmental Effects of Concurrent Vestibular and Auditory Dysfunction in Childhood. Research funding Department of Otolaryngology-Head &amp; Neck Surgery, University of Toronto, Co-PIs Melissa Hazen, Sharon Cushing.</td>
<td>$25,000 CAD.</td>
</tr>
<tr>
<td><strong>HIGGINS, K</strong></td>
<td>2021</td>
<td>Co-Principal Investigator. Microvascular Training Model. Temerty Foundation Grant.</td>
<td>$75,000 CAD.</td>
</tr>
<tr>
<td></td>
<td>2020-2022</td>
<td>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. FRCDC, Marco Magalhaes, DDS, PhD; Beatrice Lau, DDS, MSc. Dept. of Dentistry, Sunnybrook Health Sciences Centre, Faculty of Dentistry, University of Toronto.</td>
<td>$100,000 CAD.</td>
</tr>
<tr>
<td></td>
<td>2019-present</td>
<td>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.</td>
<td>$75,000 CAD.</td>
</tr>
<tr>
<td></td>
<td>2018-present</td>
<td>Co-Investigator. Improving Integrative Care and Patient Experience by Diffusing and Disseminating Study Results of &quot;Assessing the Impact of Cancer Care Ontario's Psychosocial Oncology &amp; Palliative Care Pathway in Head and Neck Cancer Patients&quot;. Sunnybrook Health Sciences Centre Education Research and Scholarship Grant. Principal Investigator: Ellis J. Collaborator(s): Higgins KM.</td>
<td>$8,500 CAD.</td>
</tr>
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</table>
IRISH, J


2021-2022 Co-Investigator. Pre-CTA/protocol Design for the First-in-Human Porphysome Clinical Trial. Princess Margaret Research Stimulus Grant. PI: G Zhang. $75,000.00 CAD.

<table>
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<tr>
<th>Year</th>
<th>Project Description</th>
<th>Funding Details</th>
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<tbody>
<tr>
<td>2020-2022</td>
<td>Co-Investigator. Symptom Burden as a Predictor of Emergency Room Visits and Unplanned Hospitalizations in Patients with Head and Neck Cancer. AFP Innovation Fund. PI: A Eskander.</td>
<td>$100,000 CAD.</td>
</tr>
<tr>
<td>2019-2021</td>
<td>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.</td>
<td>$200,000 CAD.</td>
</tr>
<tr>
<td>LE, T</td>
<td>Co-Principal Investigator. Neurodegenerative Mechanisms by TrkC.T1 and p75 Receptors: Target Validation and Rationale for Therapeutic Intervention. CIHR Project grant.</td>
<td>$1,361,700 CAD.</td>
</tr>
<tr>
<td></td>
<td>Principal Investigator. Protective Effects of Sodium Thiosulfate and Mannitol Against Cisplatininduced Hearing Loss: A Phase II Randomized Controlled Trial. Sunnybrook AFP-IPOC grant.</td>
<td>$100,000 CAD.</td>
</tr>
<tr>
<td></td>
<td>Principal Investigator. Magnetic Targeting Delivery of Neurotrophic Gene Therapy for the Treatment of Hearing Loss. Triological Society Career Development Award.</td>
<td>$40,000 USD.</td>
</tr>
<tr>
<td>LEE, J</td>
<td>Principal Investigator. Levels of Nasal Nitric Oxide and Inducible Nitric Oxide Synthase Expression in Chronic Rhinosinusitis with Nasal Polyposis. Harry Barberian Grant. Collaborator(s): Wu V.</td>
<td>$10,000 CAD.</td>
</tr>
<tr>
<td></td>
<td>Principal Investigator. Nasal Nitric Oxide as a Biologic Marker for Long-term Mucosal Health in Patients with Chronic Rhinosinusitis Undergoing Endoscopic Sinus Surgery. Harry Barberian Grant. Collaborator(s): Wu V, Lee D.</td>
<td>$5,295 CAD.</td>
</tr>
<tr>
<td>LIN, V</td>
<td>Consultant. Role of Health Literacy and Alzheimer’s Disease and Related Dementia in Older Adults with Hearing Loss. NIH. PI: McKee, Michael</td>
<td>$606,904 USD.</td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td>$1,750,000 CAD.</td>
</tr>
<tr>
<td>MARTINO, R</td>
<td>Co-Investigator (Swallowing Outcomes). SPECT-guided Elective Contralateral Neck Treatment (SELECT) in Oropharynx Cancer: A Phase III RCT. Canadian Institutes of Health Research. Grant PI: J de Almeida, A Hosni, W Parulekar. Co-investigators: J Ringash.</td>
<td>$1,750,000 CAD.</td>
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</table>
2020-2023 Principal Investigator. Validation of an On-line Independent Training for TOR-BSST© Dysphagia Screeners. Heart and Stroke Foundation of Canada Bridge Grant. Co-investigator: L. Casaubon. $40,000 CAD.


2018-2023 Principal Investigator. Canada Research Chair (Tier II) in Swallowing Disorders. Canada Research Chairs. $500,000 CAD.


PROPST, E


VESCAN, A

2019-present Co-Primary Investigator. Novel Applications of Cannabidiol in Rhinosinusitis a Murine Model. Raymond Ng Innovation Fund, Department of OHNS, University of Toronto. Drs. Amr Hamour, Jong Lee, Eric Monteiro, John Lee. $ $200,000 CAD.
### WITTERICK, I

2020-2021  

### 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  

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.
Residents & Fellows
Residents & Fellows

**PGY 1**
Mandolin Bartling
Tian (Tanya) Chen
Elysia Grose
Ahmad Mirza
Amirpouyan Namavarian
Gianluca Sampieri

**PGY 2**
Alexander Gabinet-Equihua
Garret Horton
Marc Levin
Justine Philetos
Ahmed Saleem
Lily Wang

**PGY 3**
Fahad Aldhahri
Adam Kwinter
Chantal Li
Christopher Noel
Dongho (Brian) Shin
Edward Sykes
Grace Yi

**PGY 4**
Amr Hamour
Jong Wook (John) Lee
Vincent Wu
Weining Yang
Hedyeh Ziai

**PGY 5**
Justin Cottrell
Terence Fu
Daniel Joonil Lee
Shireen Samargandy
Jennifer Siu
Neil Verma
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<td>Head and Neck Surgical Oncology</td>
<td>Abdulrahman Alenazi</td>
<td>Saudi Arabia</td>
<td>University Health Network: Drs. Dale Brown, Douglas Chepeha, John de Almeida, Jonathan Irish, Ralph Gilbert, David Goldstein, Patrick Gullane</td>
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<td></td>
<td>Timothy Eviston</td>
<td>Australia</td>
<td>Sandy Health: Dr. Jeremy Freeman</td>
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<td>Shayanne Lajud Guerrero</td>
<td>Dominican Republic</td>
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<td></td>
<td>Mohammed Mamdani</td>
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<td>Mirko Manojovic Kolarski</td>
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<td>Susannah Orzell</td>
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<td>Sharon Tzelnick</td>
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<td>Leonardo Franz</td>
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<td>Facial Plastic &amp; Reconstructive Surgery</td>
<td>Yelda Jozaghi</td>
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<td>Dr. Andres Gantous</td>
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<td>Dianne Valenzuela</td>
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<td>Dr. Oakley Smith</td>
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<td>Zachary Farhood</td>
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<td>Dr. Jamil Asaria</td>
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<td>Eran Gilkson</td>
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<td>Paediatric Otolaryngology</td>
<td>Tal Honigman</td>
<td>Israel</td>
<td>Hospital for Sick Children: Drs. Paolo Campisi, Sharon Cushing, Adrian James, Blake Papsin, Evan Propst, Nik Wolter</td>
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<td>Anne-Sophie Prevost</td>
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<td>Rhinology, Skull Base and Head &amp; Neck Oncology</td>
<td>Neil Arnstead</td>
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<td>Sinai Health: Drs. Ian Witterick, Allan Vescan, Eric Monteiro</td>
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<td>Otology Skull Base Surgery</td>
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<td>Sasan Dabiri</td>
<td>Iran</td>
<td>University Health Network: Drs. John Rutka, Neil Bailie</td>
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<td>Fatemeh Hassan Nia</td>
<td>Iran</td>
<td>Markham Stouffville Hospital: Drs. Jerry Halik, Ambrose Lee</td>
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<td>Gabriela Vergara</td>
<td>Chile</td>
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<td>Laryngology</td>
<td>Zainab Bakhsh</td>
<td>Saudi Arabia</td>
<td>St. Michael’s Hospital: Dr. Jennifer Anderson</td>
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<td>María Isabel Besserer Ochoa</td>
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Departmental Awards
Departmental Awards Program

These awards were presented at Percy Ireland Academic Day or the Percy Ireland Dinner.

Resident Awards

Dr. Vincent Wu (PGY4) received the Freda Noyek Otolaryngology Merit Award - In recognition of special commitment to patient care and/or academic achievement.

Dr. Dongho (Brian) Shin (PGY3) received The Shiley E.O. Pelausa Awards - For demonstration of excellent clinical work by a PGY3.

Dr. Justine Philteos (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. Joel Davies received the Chapnik, Freeman and Friedberg Clinical Scientist Program Award - In recognition of a resident/fellow (who are postgraduate MD trainees) or junior faculty in the Department of Otolaryngology-Head & Neck Surgery enrolled in a Master of Science or Master in Education, Master of Health Science, or PhD degree at the University of Toronto, to pursue advanced research training.
Dr. Christopher Noel (PGY3) received the Wharton Head & Neck Research Award - In recognition of the best paper in head and neck oncology presented at the Percy Ireland Academic Day.

Fellow Awards

Dr. Hedyeh Ziai 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.

Dr. Corliss Best (Ottawa) received the Wilfred Goodman Award in Facial Plastic and Reconstructive Surgery - Awarded to a resident or fellow who is undertaking their education and research in the field of facial plastic and reconstructive surgery.

Teaching Awards

Dr. Eric Monteiro received The Alma Smitheringale Excellence in Undergraduate Teaching Award - Awarded to a faculty member, resident or fellow for outstanding undergraduate teaching or curriculum development.
Dr. Justin Cottrell received the **Resident Teacher of the Year Award** - 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. Mirko Manojlovic Kolarski 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. Trung Le 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. Danny Enepekides received the **Resident Advocate Award** - In recognition of an individual faculty member who particularly demonstrates commitment to advocacy in the residency program.

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

Dr. Adam Kwinter received the Nimeck Otolaryngology Award – Awarded to residents in the Department of Otolaryngology-Head & Neck Surgery, with preference given to those who have an interest in hearing loss and/or skull base tumours.

Ms. Bahar Golbon 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. Melissa Hazen 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
Annual Percy Ireland Dinner
Thursday May 5, 2022

The Yorkville Royal Sonesta Hotel Toronto
30th Annual Percy Ireland Academic Day

Friday May 6, 2022

The Department of Otolaryngology–Head & Neck Surgery held its 30th Annual Percy Ireland Academic Day at the University of Toronto’s Myhal Centre, Auditorium on May 6, 2022.

Dr. Patrick Gullane, CM, OOnt, MB, FRCSC, FACS, Hon FRACS, Hon FRCS, Hon FRCSI (Professor, Department of Otolaryngology-Head & Neck Surgery, Temerty Faculty of Medicine, University of Toronto) delivered The Percy Ireland Oration on May 5, 2022 titled: “My Journey: Lessons Learned—Imagine the Future”.

Dr. Robert V. Harrison was our Guest of Honour (Professor, Department of Otolaryngology-Head & Neck Surgery, Temerty Faculty of Medicine, University of Toronto)

BEST PAPER IN EACH OF FIVE CATEGORIES

Recognition is given to one presenter in each category:

Category 1 - Work undertaken by post-residency research fellows/graduate degree students/post-doctoral fellows:
Awarded to Dr. Jackie Ogier for her project: “ASK1 is a Novel Molecular Target for Preventing Aminoglycoside Induced Hair Cell Death”. Mentor: Dr. Alain Dabdoub
Category 2 - Work undertaken by PGY2 residents during clinical rotation: Awarded to Dr. Justine Philteos for her project: “Impact of Advanced Hemodynamic Monitoring on Intraoperative Hypotension Following Head and Neck Free Flap Reconstructive Surgery: A Matched Before–After Study”. Mentor: Dr. David Goldstein
And
Dr. Lily Wang for her project: “Automation and Optimization of Radiological Interpretation of Chronic Rhinosinusitis on Paranasal Sinus Computed Tomography (‘Deep Sinus CT’)”. Mentor: Dr. John Lee

Category 3 - Work undertaken by PGY3 residents during clinical rotation: Awarded to Dr. Dongho (Brian) Shin for his project: “OtoVIS - Examining the Utility of a Photorealistic Virtual Ear in Otologic Education”. Mentor: Dr. Justin Lui

Category 4 - Work undertaken by PGY4 residents during clinical rotation: Awarded to Dr. Vincent Wu for his project: “Levels of Nasal Nitric Oxide and Inducible Nitric Oxide Synthase Expression in Chronic Rhinosinusitis with Nasal Polyposis”. Mentor: Dr. John Lee

Category 5 – Work undertaken by post-residency research & clinical fellows during clinical rotation: Awarded to Dr. M. Demir Bajin for his project: “The Ototoxicity of Cefazidime, Vancomycin, and Clotrimazole in the Rat Middle and Inner Ear”. Mentor: Dr. Trung Le
Dr. Ian Witterick Research Award (Best Overall Presented Paper): Awarded to Dr. Christopher Noel for his project: “Predicting Emergency Department Use and Unplanned Hospitalization in Patients with Head and Neck Cancer: Development and Validation of a Machine Learning Algorithm”. Mentors: Drs. Natalie Coburn, Tony Eskander, Rinku Sutradhar

Dr. Ian Witterick Research Award (Other): Awarded to Dr. Jackie Ogier for her project: “ASK1 is a Novel Molecular Target for Preventing Aminoglycoside Induced Hair Cell Death”. Mentor: Dr. Alain Dabdoub
Dr. I. Witterick (Chair)


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 Committee

Dr. Allan Vescan (Chair)

Members: Jason Atlas, Dale Brown, Paolo Campisi, Sharon Cushing, Vinay Fernandes, Aman Grewal, Kevin Higgins, Brad Hubbard, John Lee, Bosco Lui, Raewyn Seaberg, Manish Shah, Jack Shahin; Clerkship Student Representative: Justin Shapiro

Our Undergraduate Medical Education (UME) Portfolio has experienced an ever-fluctuating environment following 1-2 years of the pandemic. The Pre-clerkship Foundations years are again being delivered with an in person curriculum in the classroom and normal resumption of physical exam skills in person with small groups. Over 1000 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 continued changing environment of delivery of medical school content, the post pandemic fatigue and gaps in learning our learners experienced over the past 2 years placed significant stress on our learners and faculty throughout the 2021-22 academic year. With a renewed focus on wellness of learners and faculty we will strive to recharge and revitalize our teaching of undergraduate medical students.

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

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

We have been very fortunate to receive funding from the university to purchase approximately 60 mobile OtoSim/OphthoSim units to help deliver the clerkship seminar content remotely with virtual OtoSim sessions. This program began in August and September of 2020 and we are indebted to the contributions of Dr. Vito Forte and Dr. Paolo Campisi as they built the foundation for simulation seminars in our clerkship portfolio. The challenge will lie in sustaining this initial support from the university as ongoing simulation education involves significant human and capital investment.

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. After 2 years of the pandemic all our community sites 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 date to be determined. Stay tuned for updates.

The UME Committee struck a task force together in early 2022 to update and modernize the learning
guide for clerks as they move through their one-week rotation with us. Thank you to all members of the task force that gave their time and knowledge to this important document. We aim to have it ready for the start of the 2023 academic year.

I would like to sincerely thank all our faculty for their amazing contributions to UME over this past year and look forward to your continued support. Special thanks to all 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. This will be my final report as Director of Undergraduate Medical Education. It has been a rewarding responsibility to serve our department in this role through a tumultuous time in UME. I look forward to continuing to help further our education mission in UME and help with the transition to a new Director of UME.

I would like to also congratulate Dr. Eric Monteiro for receiving the Alma Smitheringale Undergraduate Teaching Award this past year. Seeing our 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.
The 2021-2022 academic year represented another iteration 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 in continuing to adapt through various strategies such as 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 continued to lead 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.

With the ease of COVID-19 pandemic restrictions in the later part of the year the department was able to host Percy Ireland Day, the departmental graduation ceremony, and the resident retreat in person for the first time since the start of the pandemic. The Royal College examinations proceeded as scheduled but the written and applied components were both administered virtually.

The 2021-2022 academic year represented the fifth 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. Paolo Campisi (Chair)

Dr. Campisi (former Program Director) continued 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, Dr. Eric Monteiro, Assistant Program Director, continues to serve as the Chair of the Competence Committee and continues to champion new initiatives to improve the quantity and quality of resident evaluations, resident feedback and promotion decisions.

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 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)
R. Jun Lin (St. Michael’s Hospital/Unity Health Toronto)
John de Almeida (University Health Network)
Elysia Grose (PGY1 representative)  
Marc Levin (PGY2 representative)  
Dongho (Brian) Shin (PGY3 representative)  
Hedyeh Ziai (PGY4 representative)  
Jennifer Siu (PGY5 representative & Chief Resident)  
Mirko Manojlovic Kolarski & Dianne Valenzuela (Fellow representatives)  
A very special thank you to Andrea Donovan, Education Coordinator. 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 30 residents and 25 clinical and research fellows enrolled in postgraduate training programs within our department. Dr. Jennifer Siu served as the administrative chief resident and represented the interests of the residents diligently. Dr. Siu completed her term on February 28, 2022, and Dr. Amr Hamour was subsequently elected as incoming chief resident. Thank you to Jennifer and Amr for their excellent work on behalf of the residents.


Resident Selection
The CaRMS selection process was held on Friday, March 11, 2022, using best practice guidelines. The process included file reviews, traditional interviews, and multiple-mini-interviews (MMI). Interviews were once again conducted virtually. The traditional interviews were conducted by Drs. Paolo Campisi, Ian Witterick, Jennifer Siu and Chantal Li. The MMIs were co-administered by faculty-resident teams: Drs. Eric Monteiro, Janet Chung, Marc Levin, Weining Yang; Drs. Yvonne Chan, John de Almeida, Brian Shin and Drs. Vincent Lin, Everton Gooden, Hedyeh Ziai. 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. Emily Yiqin Cheng, Nicole Crimi, Hugh Kim and Jacob Wihlidal.

Residency Curriculum
The residency core curriculum continues to be provided over a 3-year cycle to residents in the PGY2-PGY4 years. In the 2021-2022 academic year, the core topics covered were laryngology and pediatric otolaryngology. Drs. R. Jun Lin and Paolo Campisi 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 PGY4 residents participated in weekly Fellowship Study lectures provided by faculty in preparation for the Royal College Examinations. Residents in the PGY2-PGY4 years wrote the annual National In-Training Examination in February 2022. 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. R. Jun Lin, Nik Wolter, and the faculty mentors for organizing and providing mentorship for the Journal Club meetings.

Fellowship Programs
The Department of Otolaryngology-Head & Neck Surgery at the University of Toronto continues to
be a beacon for fellowship training nationally and internationally. There were 25 fellows enrolled in clinical and research training programs in our department for the 2021-2022 academic year.

Research
The PGY2 residents continue to participate in a 4-month research block under the supervision of various faculty members. During the 2021-2022 academic year, the research curriculum was updated by Dr. Alain Dabdoub. Residents participated in a weekly curriculum to reinforce research concepts such as research design, ethics, presentations, and statistical analysis.

Dr. Christopher Noel successfully completed his PhD within the Clinician Investigator Program under the supervision of Drs. Tony Eskander and Natalie Coburn.

Dr. Justin Cottrell continued his Master’s degree at the Massachusetts Institute of Technology.

Unfortunately, the Annual Harry Barberian Memorial Dinner was cancelled due to the COVID-19 pandemic.

Research and Teaching Awards
• Dr. Justin Cottrell was recognized by his peers as the Resident Teacher of the Year.
• Dr. Mirko Manojlovic Kolarski was recognized by the residents as the Fellow Teacher of the Year.
• Dr. Trung Le was recognized by the residents as the Faculty Teacher of the Year.
• Dr. Danny Enepekides was recognized with the Resident Advocacy Award.

Congratulations to Drs. Justine Philteos and Chris Noel for receiving the 2021 Postgraduate Research Award.

Transition
As of July 1, 2022 Dr. Eric Monteiro took over as interim postgraduate director from Dr. Paolo Campisi. Dr. Yvonne Chan took over as Vice-Chair in Education also from Dr. Campisi. I would like to thank Dr. Campisi for all of his time and effort over the past many years developing and nurturing our program into a world renown training program for otolaryngology residents and subspecialty fellows. It was Dr. Campisi’s leadership that transitioned our program as one of the first programs within the University of Toronto to Competence by Design (CBD) based medical education. We are very proud of the legacy he has created, and our program is extremely grateful.
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 – 8:30am during the academic year. In the past 2 years, our in-person 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, and we have started to have a few in person meetings.

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 Bulhooes Lecture, the David Tomlinson Lecture, the Elia Lecture, the Grimm Lecture, the Guillelme/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.

Through unrestricted educational grants from industry support, we deliver our courses at a reduced fee in order to reach a broad audience. Many of our CPD courses are held on an annual or bi-annual 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-Head & Neck Surgery (CSO) 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 across Canada and the US given its virtual format in February 2022.

In addition, our department faculty is actively engaged in the organization of national and international courses taking place virtually over the last year. The CSO annual meeting was held in September 2021 virtually again with the CSO Scientific Program Chair Dr. Vincent Lin and the CPD Chair Dr. Yvonne Chan leading the programs under CSO President Dr. Ian Witterick’s guidance. Along with the virtual CSO, a hybrid sinus course and upper aerodigestive tract courses were held on the same weekend led by Dr. Yvonne Chan and Dr. Paolo Campisi.

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, Safia Amin, our Events Coordinator, and Aviva Lev-Aviv who covered for Safia during her parental leave for their continued support of our CPD portfolio.

Courses Organized

<table>
<thead>
<tr>
<th>DATE(S)</th>
<th>COURSE TITLE (ORGANIZERS)</th>
<th>GUEST FACULTY/INVITED SPEAKERS</th>
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<tbody>
<tr>
<td>February 5, 2022</td>
<td>Otolaryngology Update 2022 (Drs. Paolo Campisi &amp; Yvonne Chan)</td>
<td>Dr. Ali Esmail, University of Manitoba</td>
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<tr>
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<td>Dr. Amanda Fanous, McGill University</td>
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<td>Dr. Jason Lee</td>
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<td>Royal College of Physicians and Surgeons of Canada Specialist, Fellow of the American</td>
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<td>Academy of Allergy Asthma Immunology (AAAAI), Fellow of the American College of Allergy</td>
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<td>Asthma and Immunology</td>
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<td>Dr. Sami Moubayed, University of Montreal</td>
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<td>Dr. Julia Noel, Stanford University</td>
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Invited Professors/Invited Guests

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<tr>
<th>DATE</th>
<th>TITLE OF PRESENTATION</th>
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<tbody>
<tr>
<td>June 24, 2022</td>
<td>From Microscopes to Telescopes – Lenses on Postgraduate Medical Education</td>
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</tbody>
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Glen Bandiera, BASc, MD, MEd, FRCPC
Professor of Emergency Medicine,
Temerty Faculty of Medicine and St. Michael’s Hospital
Executive Director, Specialty Education,
Royal College of Physicians and Surgeons of Canada
<table>
<thead>
<tr>
<th>Date</th>
<th>Presenter</th>
<th>Title of Presentation</th>
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<tbody>
<tr>
<td>April 8, 2022</td>
<td>Leen Maes</td>
<td>Impact of a Vestibular Dysfunction on the Development of Children: The Importance of Early Detection</td>
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<tr>
<td>April 1, 2022</td>
<td>Alexander Hillel, MD</td>
<td>Laryngotraheal Stenosis: Advances in Understanding and Management</td>
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<tr>
<td>February 11, 2022</td>
<td>David A. Sherris, MD</td>
<td>Nasal Reconstruction: Large and Small</td>
</tr>
<tr>
<td>January 21, 2022</td>
<td>Amanda Veri, PhD</td>
<td>Mastering the Art of Communication: Tips for Engaging &amp; Accessible Research Presentations</td>
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<td>January 14, 2022</td>
<td>Daniel Hashimoto, MD, MS</td>
<td>Clinical Considerations for Computer Vision in Surgery</td>
</tr>
<tr>
<td>December 10, 2021</td>
<td>Sean Christie, MD, FRCSC</td>
<td>Greener Healthcare: Should Carbon Neutral Surgery be Our Goal?</td>
</tr>
<tr>
<td>November 19, 2021</td>
<td>M. Elise Graham, MD, FRCSC</td>
<td>Tethered Oral Tissue – Trends and Truths</td>
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<tr>
<td>November 5, 2021</td>
<td>Amanda Hu, MD, FRCSC</td>
<td>Spasmodic Dysphonia</td>
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<td>October 22, 2021</td>
<td>Shirley Y. Su, MBBS, FRACS</td>
<td>Induction Chemotherapy in the Management of Sinonasal Tumors</td>
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<td>Skull Base Tumor Program</td>
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<td>Department of Head and Neck Surgery and Neurosurgery</td>
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<td>The University of Texas MD Anderson Cancer Center</td>
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<td>October 15, 2021</td>
<td>Leigh Sowerby, MD, MHM, FRCSC</td>
<td>Management of Rhinitis and the Nuances of Nasal Corticosteroids</td>
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<td>Associate Professor, Rhinology and Anterior Skull Base Surgery</td>
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We are pursuing a diverse and inclusive world-class research enterprise dedicated to discovery, research, education, and leadership to strengthen our research and impact in the field of otolaryngology – head & neck surgery.

Our research continues to thrive as measured by the quality and impact of our publications, presentations by our trainees and faculty in national and international conferences, and collaborations across our hospitals and the world. Our funding levels have significantly increased fueling our innovation and discovery in basic, translations, and clinical research on the world stage. The department continues to put every effort to support trainees and faculty in their research endeavours.

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

**UHN:** Mike Daly, Doug Chepeha, David Goldstein

**SickKids:** Karen Gordon, Robert Harrison, Evan Propst, Nik Wolter

**St. Mikes:** Jun Lin, John Lee

**Mt. Sinai:** Eric Monteiro

**Sunnybrook:** Andrew Dimitrijevic, Antoine Eskander, Trung Le, Vincent Lin

**Resident rep:** Christopher Noel

**Ex-officio:** Ian Witterick, Paolo Campisi

Our star continues to rise and shine brighter thanks to our residents, clinical fellows, graduate students, postdoctoral fellows and all the researchers and support staff in our department. With additional funding, we are expecting an increase in depth and breadth in our research enterprise.

**Dr. Alain Dabdoub (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, part-time 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 2021-2022 academic year were: Kevin Higgins (Chair), Paolo Campisi (HSC and Vice Chair Education), Y. Chan (Chief, SMH), 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)

During the 2021-2022 academic year both the January 12, 2022 and May 11, 2022 meetings were cancelled.

Approval and Recommendation of New Clinical Adjunct Faculty Appointments

Dr. Christopher Hong, staff at Humber River Hospital requested a faculty appointment. He was approved for a clinical adjunct faculty appointment at the rank of lecturer.

Dr. Josie Xu, NYGH staff specializing in sleep medicine was approved for a new clinical adjunct faculty appointments at the rank of lecturer.

On November 17, 2021 the committee members who are all familiar with both these individuals, unanimously approved the request for clinical adjunct faculty appointments with our department.
Department Promotions Committee

Dr. Karen Gordon (Chair)

Members: Paolo Campisi, Joseph Chen, Alain Dabdoub, Danny Enepekides, Ralph Gilbert, Blake Papsin, Ian Witterick [ex-officio].

I began my first term of Chair of the OHNS Promotion committee this year. My goals in this role are to encourage academic progress for faculty in our department and put forward strong candidates for promotion. The following activities over my first year as chair had these goals in mind.

1. Revision of template for Creative Professional Activities (CPA) dossier. I created a new template based on the Decanal Committee review chart for CPA. I sent to Mary Jane Esplen, Chair of the Decanal Committee, for feedback. She was very positive about its usefulness.

2. Individual discussions with several faculty about potential and path to promotion.

3. Faculty development session March 29, 2022 on the topic of promotions and the process involved. Attendance was excellent and included faculty at all appointment levels.

4. Alain Dabdoub was put forward for promotion to Full Professor and the application was approved by the Decanal Committee.

5. Departmental Promotions Committee (DPC) Terms of Reference was created.
Dr. I. Witterick (Chair)

Members: Paolo Campisi, Yvonne Chan, Alain Dabdoub, Danny Enepekides, Ralph Gilbert, Karen Gordon, 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.
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 pre-clerkship 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, Dr. Andres Gantous, Oakley Smith and Dr. Phil Solomon.

A subcommittee of community academic faculty members was created to help members of different geographical regions stay better connected. This subcommittee met biannually this past year and includes members Drs. Peter Adamson, Dupe Oyewumi, Taryn Davids, Manish Shah, Mark Korman, Lukas Kus, Vinay Fernandes, Brad Hubbard, Ambrose Lee, Sumeet Anand and Artur Gevorgyan.

Our community academic faculty is involved in continuing professional development of practicing otolaryngologists. We were involved in the planning and sponsorship of the successful 20th Annual Otolaryngology Update in February 2022 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. A community academic faculty journal club reviewing literature in the field of rhinology was held in June 2022 and was well attended.

The Distinguished Alumnus Award this year was awarded to Dr. Yvonne Chan.

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 members, Drs. Christopher Hong and Josie Xu.
Member: Joseph Chen, Ian Witterick.

Despite the COVID-19-pandemic restrictions and challenges, we have continued to build on enhancing relationships with many generous donors and friends. This was a great year for advancement in the Department of Otolaryngology-Head & Neck Surgery, with a focused approach to donor pipeline development, alumni engagement and promoting the impact of the department in communications.

The donor brochure with a link to our department’s website has helped donors and alumni navigate the system and make for a friendlier conduit for donations.

A total of $2,159,450.00 was pledged to the department, including a transformative gift from the George and Helen Vari Foundation to endow a named chair for the department. This gift was celebrated in a dedicated news story, which was sent to all departmental alumni and amplified across the Temerty Faculty of Medicine channels. This includes Twitter (30,300 followers), Instagram (11,000 followers) and Facebook (7,700 followers) and was a great opportunity to showcase the work and global impact of the department to a broad audience.

Dr. KY Chow and his wife Mrs. Vera Chow made a very generous donation of $105,000 to establish the “Ian Witterick Research Award in perpetuity in otolaryngology-head & neck surgery, awarded at the annual Percy Ireland Research Day—ideally to support and present the winner’s work at a national or international meeting.

In addition to fundraising, the department also partnered with the Office of Advancement on several events, including the department’s annual graduation event, the 30th Annual Percy Ireland Dinner and Academic Day, as well as a celebration in honour of Dr. Ian Witterick’s exceptional term as department chair.

Finally, we are indebted to the leadership of so many people in the department and beyond which included our chair’s untiring efforts, support, guidance and wisdom.

In conclusion, as this is my final year as advancement officer, I want to express my sincere appreciation to the members of the University Advancement Office for their superior leadership, support and stewardship in the interests of our department’s fundraising mission.

The Quality and Safety committee continued its important work despite the pandemic. I am very appreciative of all the members and their contributions. Although COVID-19 hampered our activities, the team managed to continue supporting our PGY1 residents and their work on quality and safety. This year our residents initiated a project to provide education to our colleagues in emergency medicine on the management of epistaxis.

This year many of our faculty were involved in outstanding work to understand the pandemic’s impact on access to care and education. This work resulted in several outstanding publications and maintained a focus on the unintended effects of COVID-19 mitigation strategies.

This year the committee chose to focus on healthcare sustainability. This aligned with the focus of the upcoming Canadian Society of Otolaryngology-Head & Neck Surgery Annual Meeting. Work with next year’s cohort of residents will evaluate opportunities to decrease waste during several common otolaryngology procedures.

As work continues, the committee will focus on assisting each of our divisions to move forward subspecialty specific quality and safety initiatives, assist our PGY1 residents with their quality foundations project, develop curriculum for our postgraduate program, and develop content for departmental grand rounds.

I am extremely proud of the work this important committee carries out and look forward to its continued success.

Dr. Danny Enepekides (Chair)
Departmental Division Reports
Ms. Vicky Papaioannou (Head)

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. The Krista Riko lecture occurred virtually again this year. Leen Maes, Associate Professor in the Department of Rehabilitation Sciences at Ghent University in Belgium discussed the impact of vestibular dysfunction on a child’s development as well as the importance of early detection.

Division membership grew this year with the addition of several audiologists from Sunnybrook Health Sciences and University Health Network.

The Audiology Division members for the 2021-22 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
Jessica Banh
Johane Rakotoarimanana
Maria Simone
Kari Smilsky
Ian Syrett
Erica Wong

University Health Network
Dario Coletta
Carolyn Falls
Emma Leblanc
Laurel Palmer
Curtis Wetmore
I am pleased to present the annual report on the activities of the Division of Facial Plastic and Reconstructive Surgery for the 2021-2022 academic year. Even though the worst of the pandemic seems to be behind us, it was still a challenging year for all due to limited OR time and hospital resources yet, and ever longer waiting lists. 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. David A. F. Ellis (both retired from clinical practice, Dr Adamson is still very much involved in teaching), 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 recently retired chairman and Dr. Campisi, our past program director is invaluable. The transition to the new leadership team of Dr. Enepekides and Dr. Lin has been seamless.

**POSTGRADUATE MEDICAL EDUCATION TEACHING Workshops**

The Soft Tissue Dissection course was held on November 2021. The course was co-directed by Drs. Brandt and Alexander. This was, as always, very popular with the residents.

The Rhinoplasty Dissection course took place in April 2022 and was a success.

**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. Dr. Gantous’ fellowship has been submitted for accreditation by the International Board of Facial Plastic and Reconstructive Surgery and is expected to be approved promptly.

**PGY4-5 rotations**

With the cooperation of the members of our division we were able to host the one-month 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. It has been heartening to move away from Zoom meetings to regular in-person meetings once again.

Association Activities
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. Adamson continues as past president of the AAFPRS. Dr. Gantous is the Canadian Region Credential Committee representative, AAFPRS. Dr. Gantous was nominated as President-Elect of the AAFPRS, voting will occur during the fall meeting of the AAFPRS in October 2022. 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 serves as Secretary, International Board of Facial Plastic and Reconstructive Surgery Societies (IFFPSS). 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.
By any measure, the three head and neck centres under the University of Toronto umbrella have an academic productivity, lead in research initiatives, and provide a fellowship education program that 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 seven full-time head and neck surgical oncologists. Dr. Christopher Yao joined the University Health Network faculty in January 2022 from Fox Chase Cancer Center and having done his fellowship training at the MD Anderson Cancer Center joining Drs. Dale Brown, John de Almeida, Ralph Gilbert, David Goldstein, Patrick Gullane, Kevin Higgins, Eric Monteiro, Al Vescan, Ian Witterick.

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

Dr. Joel Davies has joined the faculty at the Mount Sinai Hospital/Sinai Health System having done his fellowship at the Medical University of South Carolina and has joined an already strong faculty with Drs. Witterick, Vescan and Monteiro. Dr. Jeremy Freeman has retired from operating but leaves a strong legacy in endocrine oncological surgery including outpatient ultrasound and ultrasound-directed interventions. Dr. Freeman continues to practice in the ambulatory care setting.

The Sunnybrook/Odette Site offers tertiary/quaternary head and neck oncology services including endocrine and microvascular surgery. Drs. Enepekides, Higgins and Eskander provide head and neck services at the Sunnybrook site and have strong networking programs with the Michael Garron Hospital and Women’s College Hospital. The Nanji family gift of $3 million dollars to revitalize the ambulatory clinic areas of both the Sunnybrook HSC and Odette Cancer Centre head and neck sites has allowed dramatic expansion of ambulatory ultrasound for diagnostic and therapeutic procedures.

Dr. Jonathan Irish (Head)


Research

The division is organized into the following research programs: 1) Outcomes Research (lead-David Goldstein) 2) Clinical Trials (lead-John de Almeida) 3) Health Services Research (lead-Tony Eskander) 4) Quality and Safety (lead-Eric Monteiro) and 5)
Guided Therapeutics (lead-Jonathan Irish). 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 five years. The three main projects that have initially been targeted for divisional research collaboration are:

1. Predictors of functional outcome-Lead: K Higgins
2. Optimization of early recovery after surgery (ERAS)-Leads: J de Almeida, D Goldstein
3. Assessment and standardization of margins after oral cancer resection-Lead: K Higgins

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 “Cognitive Impairment and Delirium in Older Patients Undergoing Major Head and Neck Surgery” and Sunnybrook-led work is “Surgical Tray Optimization as a Simple Means of Reducing Perioperative Costs: A Quality Improvement Initiative.”

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 and continues to generate a significant number of publications such as “A Quantitative Analysis Examining Patients’ Choice of Active Surveillance or Surgery for Managing Low-Risk Papillary Thyroid Cancer”.

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.

As the lead of the clinical trials program of the division Dr. John de Almeida has definitely led by example. Dr. John de Almeida’s leadership in clinical trials and outcomes research has been recognized by his appointment to the NRG Oncology Head and Neck Core Committee responsible for oversight of cooperative group trials design. 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. 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. Dr. de Almeida also received funding support from NCI US/CETP ($2,994 M USD) and from the EORTC ($169K) for SELECT Trial funding. 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. 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. Monteiro is course director in the certificate course in quality improvement and patient safety at the Centre for Quality Improvement and Patient Safety at the University of Toronto and is core faculty for the EQUIP certificate course.

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. Dr. Enepekides delivered the Annual Herbert S. Birkett Memorial Lecture at McGill University validating leadership in quality improvement.

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 (IPMHE). Dr. Eskander is Course Co-Director and Tutorial Leader in the Health Services Research (HAD 5306) and Lecturer for Introduction to Clinical Epidemiology (HAD5301) & Advanced Methods in Health Services Research (HAD5763) in the IHPME at the University of Toronto.

This year has been an exemplary year for grant acquisition by Dr. Eskander as Principal Investigator and have included “Patient Reported Symptom Burden as a Predictor of Emergency Department Use and Unplanned Hospitalization: A Multi-Methods Approach to Improving Head and Neck Cancer Care in Ontario” from the Canadian Cancer Society (CCS) Challenge Grant. ($439,095 CAD) and “An Evaluation of Patterns of Care, Survival and Healthcare Costs in Patients with Head and Neck Cancer” which was a Terry Fox New Investigator Award and CIHR Operating Grant for $442,614 CAD.

Drs. Christopher Yao and Joel Davies are the newest members of the head and neck oncology group. Dr. Yao is enrolled in the Master of Applied Science Candidate in the Department of Mechanical and Industrial Engineering at the University of Toronto and is looking specifically at applying artificial intelligence to data analytics for guidance in clinical decision-making. Dr. Yao aims to incorporate machine learning algorithms to improve prediction of patient outcomes and optimize surgical and oncologic outcomes. Secondly, Dr. Yao plans to integrate a higher order of interpretation of video and radiographic digital information to enhance our clinical and surgical decision making. Dr. Joel Davies is currently enrolled in a Masters in Health Services Research with an emphasis in Artificial Intelligence through the Institute for Health Policy Management and Evaluation at the University of Toronto. He will be using data through the Institute for Clinical Evaluative Sciences to complete an artificial intelligence based project focused on predicting clinical outcomes using machine learning. He is also continuing to complete projects evaluating virtual surgical planning in head and neck reconstruction. The additions of both of these young faculty will continue to invigorate our clinical, research and education programs.

Finally, the Guided Therapeutics (GTx) Research Program, part of UHN’s TECHNA Institute, continues to lead and support research, run translational clinical trials and development 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 a 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 with Dr. Irish as the PI or Co-PI on all of these newly acquired grants:

- First-in-Human Porphysome Nanotechnology for Precision Tumour Ablation and Surgical Guidance, OICR Clinical Acceleration Team Awards. Ontario Institute for Cancer Research. $1,130,803 CAD
- First-in-Human Porphysome Nanotechnology for Precision Tumour Ablation and Surgical Guidance. The Agnico Eagle Beyond Chemotherapy Grand Challenge. $500,000 CAD.
- Nanoparticle Enabled Photodynamic Therapy and Fluorescence Guided Surgery for Treatment of Oral Cavity Cancer. Canadian Cancer Society Challenge Grant. $401,700 (CAD)

Education

The division directs the American Head and Neck Society Advanced Training Fellowship. Dr. Jeremy Freeman has stepped down as the fellowship director after decades of leadership establishing the University of Toronto as a go-to centre for international oncological training. Dr. Freeman should be congratulated for his exemplary leadership and commitment. Dr. Jonathan Irish will serve as the interim fellowship director with Dr. Kevin Higgins serving as co-director as the program goes through the Advanced Training Council review process and as the program applies for Canadian Association of Head and Neck Surgery accreditation with the intent that there will be a permanent fellowship director when these processes are complete. Drs. Irish and Higgins are 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 and oversee the fellowship rotations and assessments. The education program is overseen by Drs. Higgins and Irish in collaboration with the Chief Fellow.

This highly sought-after fellowship program with six clinical rotations and one research position draws applicants from around the world. There will be a reduction to four clinical rotations in the 2024 academic year. 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 nine fellowship rounds which cover topics dictated by the AHNS Curriculum with 3-4 special topic lectures given by external experts in the field. 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.

A special mention to Dr. Kevin Higgins for acquiring $75,000 Temerty Foundation Grant funding to establish a Microvascular Training Model which will further augment fellowship. Dr. John de Almeida coordinates the head and neck section of the residency curriculum program and essentially all of the faculty participate in the lecture series.

Leadership

The faculty has provided strong hospital, university, provincial, national and international leadership in otolaryngology and head and neck surgical oncology. Since 2018, Dr. David Goldstein has been the site lead for the Endocrine Site Group at the
Princess Margaret. Dr. David Goldstein was appointed as the Wharton Chair in Head and Neck. This is an incredible milestone in Dr. Goldstein’s career and a well-deserved recognition of a track record of dedicated head and neck outcomes and clinical trial research. At the provincial level, Dr. Irish has stepped down as the Provincial Head for Surgical Oncology at Cancer Care Ontario-Ontario Health and was appointed Vice-President Clinical for Cancer Care Ontario-Ontario Health and in that capacity is responsible for all of cancer services in the province.

Dr. Ian Witterick is the Chief of Otolaryngology-Head & Neck Surgery at the Sinai Health System incorporating the Mount Sinai Hospital and completed his term as professor and chair of the university department and should be congratulated for his outstanding leadership over his 10-year term.

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. Dr. Enepekides was appointed as The George and Helen Vari Chair in Otolaryngology-Head & Neck Surgery Department of Otolaryngology-Head & Neck Surgery taking over for Dr. Witterick.

Dr. Kevin Higgins is the Departmental Appointments Committee Chair for the Department of Otolaryngology-Head & Neck Surgery and a member of the Council of Academic Hospital of Ontario Physician Quality Improvement Initiative.

Drs. Tony Eskander and John de Almeida were inducted as Fellows into the Triological Society and Dr. Eskander was awarded the Maureen Hannley Award for excellence in health services research from the Triological Society for his thesis.

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 at 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.

Dr. Ian Witterick is Past-President of the Canadian Society of Otolaryngology-Head and Neck Surgery (CSO-HNS). In AHNS leadership, Dr. Ian Witterick is Section Chair for Skull Base and Dr. Danny Enepekides is Section Chair for Salivary Gland. Dr. Irish sits on the National Board of the Canadian Cancer Society and the Board of the Ontario Institute for Cancer Research. 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 and Neck Surgery. Dr. David Goldstein is Treasurer of CAHNSO. In addition, Dr. Tony Eskander has organized and now chairs 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.
This past year marked the 5th year anniversary of our Division of Rhinology. I have been fortunate to lead this amazing group of collegial academic and community-based rhinologists throughout the greater Toronto area. To mark the occasion, I had the privilege of generating a 5-year report and presenting to a departmental review committee on December 9th, 2021, on all the educational, leadership and research highlights from our faculty members during my tenure as the inaugural division head. The review went extraordinarily well, and I am honoured to have been renewed another 5-year term leading this group of talented individuals.

While the time has flown by, it has not been an easy period for our division given the significant clinical and research restrictions that were placed by the COVID-19 pandemic. Through it all, our members have remained steadfast in their commitment to the academic mission of our department, and I am excited to share with you some of the highlights from this past year.

**Education Activities**

The major educational event for this past year was again our highly anticipated Resident Sinus Surgery course which was held on March 26th, 2022. Adapting again to the social distancing restrictions in the surgical skills lab, we held a morning and afternoon program for two separate cohorts of residents. This ensured that each trainee had their own dissection station and were given one-on-one instruction from one of our rhinology faculty. A special thank you to Drs. Banglawala, Chan, Dalgorf, Gevorgyan, Lee, Monteiro, Vescan, Wolter and Witterick for sacrificing their own personal time to teach our trainees. The resident evaluations from this course were exceptional and again highlights how valuable this teaching experience is for our residents.

As head of the division, I was also asked to give departmental grand rounds this past year on April 29, 2022. During this lecture, I was able to specifically highlight the many impactful contributions our faculty members have had during these past 5 years. Our academic productivity has continued to grow year after year. From serving on national/international committees or journal editorial boards, giving scientific/invited presentations, or publishing highly referenced manuscripts in our field, there was much to be celebrated in our division.

**Academic Activities**

This year marked the return of many in-person/hybrid scientific meetings and our members continued to make significant contributions. At the 2021 Canadian Society of Otolaryngology-Head & Neck Surgery Annual Meeting (virtual), 2 scientific oral presentations were given by trainees and supervised by 3 of our faculty members (Drs. Lee, Chan,Yip). At the American Rhinology Society Annual Fall Meeting in Los Angeles, CA, Drs. Jong Wook Lee and Amr Hamour (PGY4 residents) were...
chosen to give a scientific oral presentation on their chronic rhinosinusitis mouse model (supervised by Drs. Lee, Monteiro, Vescan). For our departmental resident research day on May 6th, 2022 (Percy Ireland Day), a total of 3 projects representing our division was presented, with two of the projects winning awards in their respective categories. In addition, Dr. Chan was a faculty on several panels at the American Academy of Otolaryngology-Head and Neck Surgery Annual Meeting (virtual) and gave a number of talks at the Sin City Sinus Course. Finally, several manuscripts were published this past academic year on topics ranging from barriers for patients to access complex upper airway care, the impact of CRS on overall quality of life in patients with cystic fibrosis and the risks of hypothalamic-pituitary-adrenal axis suppression with the use of intranasal corticosteroids.

Our local multi-institutional study on the impact of sinus surgery on olfaction was unfortunately halted because of COVID-19 restrictions. Fortunately, we have begun to start recruitment again at St. Michael’s Hospital and are hoping to activate additional sites this upcoming academic year.

Finally, it is with great pride that we report the departure of one of our division members Dr. Jonathan Yip who has been recruited to the University of Calgary as an academic rhinologist. Jonathan was a graduate of our training program and even in his few years as staff here in Toronto, he has always been generous with his time teaching and mentoring our residents. I have no doubt that he will excel in his new position and continue to make meaningful contributions to our field.
As we emerge from the pandemic and enter endemicity with COVID-19 the Department of Otolaryngology-HNS at SickKids has been required to make several significant adjustments in order to continue to deliver care, educate our trainees, and conduct research. Our clinical volumes both for consultations and surgical volumes have shifted continuously and we have had to remain flexible to allow for on the fly adjustments to our practices. This has been a considerable source of stress on all members of our team and at the outset of this report I want to praise and thank our entire hospital department for their dedication and resiliency.

The pandemic has had a large effect on pediatric care especially since schools have gradually re-opened and the social restrictions diminished. We now contend with the fact that a proportion of our work force, scheduled patients and caregivers will be unable to proceed with scheduled care at any given time. We have embraced virtual care wherever possible and have sought to focus all in-person visits so that we can accomplish multiple assessments on a single visit (i.e., audiology, speech pathology, research, otolaryngology). We have almost restored our clinical volumes with this embrace of virtual care in conjunction with our enhanced in-person approach. Unfortunately, our surgical volumes are not as easily maintained or restored as we face the same severe human resource deficits as all other Ontario hospitals. Our waitlists for surgical care in children have risen and are amongst the highest rates of increase within our hospital’s surgical group. The hospital has augmented access to resource with weekend operative lists but have not yet established this as a sustained approach which can effectively reduce or reverse our waitlist trends. Again, the reliance on a fixed number of nurses and ancillary healthcare providers prohibits our expanding operative resource significantly.

Our campus redevelopment, named Project Horizon, is progressing well. The Patient Support Centre is almost completed, and many services are moving personnel into this facility soon. The interim state will see most physicians and administrative staff re-locate to this building as two wings of the existing hospital are demolished. Otolaryngology-HNS and Communication Disorders will remain in our current location as will our in-patient ward. We feel very fortunate not to have to re-locate at this point yet will undoubtedly be affected by disruption as the whole organization re-imagines our campus for use over the next half century.

Our research team is also adapting to the post-pandemic normal. Efforts are being made to conduct research when patients are in our building for clinical care and novel virtual and out-reach projects have been developed. Dr. Karen Gordon has
overcome logistical obstacles to recruit students and maintain productivity in the laboratory. Our research team has been active in presenting at both in-person and virtual meetings. Melissa Hazen, one of our current PhD candidates, continues on the clinician/scientist track with a focus on vestibular science.

Our administrative team has also 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 timely care. Central to our success have 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 meetings and professional societies. We have trained 18 residents, 2 fellows over the past year and successfully matched fellows for our upcoming year virtually.

Two new and exciting opportunities have arisen after great effort from our team in conjunction with the executive of our hospital. We have been approved to move forward with recruitment of a nurse practitioner whose work will focus on caring for children with aerodigestive disease and especially those with tracheotomy. Even more exciting is the prospect that the Ministry of Health will formally approve the now provisionally approved addition of a new full-time consultant paediatric otolaryngologist for 2023!

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.
Division of Audiology
Michael Garron Hospital

Dr. Bradley Hubbard (Interim Otolaryngologist-in-Chief)

Hospital/Patient Programs
This year has been very eventful for our hospital and department.

Dr. Chiodo has taken a one-year sabbatical in North Carolina, and we have two locum surgeons Drs. Yelda Jozaghi and Josie Xu who are helping to manage patients in his absence. Dr. Xu has a fellowship in sleep medicine, and Dr. Jozaghi has a fellowship in head & neck oncology.

Our department continues to provide both inpatient and outpatient surgical services spanning the subspecialties of pediatric, otologic, sinonasal, facial plastic, and head and neck endocrine surgery. Despite the challenges of the recent pandemic and ongoing human resource issues at the hospital we have been successful in maintaining nearly 5000 hospital clinic encounters together with approximately 400 visits to the Thyroid Diagnostic Clinic. We were able to perform over 1000 surgical procedures including over 200 thyroid cases.

I’m also pleased to report that we were successful in obtaining a new operative microscope which will greatly benefit our otologic cases and our laryngeal cancer procedures. This new microscope also has video recording capabilities and a large monitor which will benefit our learners and research significantly.

As supply chain issues and OR reductions improve, we look forward to increasing both our surgical volumes and outpatient visits. We are eagerly awaiting our move to the new Ken and Marilyn Thomson Patient Care Centre for our outpatient clinics. This new state-of-the-art facility will be the new home for our outpatient Otolaryngology clinics and will have additional clinic space and minor-procedure resources. Our inpatient surgical beds will also move into the new building as well. We are currently anticipating occupancy in January 2023.

EDUCATION

Undergraduate Medical Education
Our department continues to have a key role in undergraduate medical education within the university department. In my role as assistant undergraduate director, we provide lectures and assist in curriculum development at the Temerty Faculty of Medicine. Our department also continues to host clerks for their clinical rotations throughout the year, and the transition to residency course.

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).
Postgraduate Medical Education

We remain consistently one of the top-rated rotations by residents, with excellent rotation effectiveness scores. Residents continue to have high surgical volumes as primary surgeons in pediatric, sinus, otologic, endocrine and facial plastic procedures. We also have a number of family medicine residents who rotate through our department clinics each year.

FELLOWSHIP AND CONTINUING MEDICAL EDUCATION

Our department continues to remain actively involved in continuing medical education with our hospital’s Department of Family Medicine’s continuing professional development activities, including the resident lecture series. Dr. Oakley Smith continues as a fellowship supervisor for the American Academy of Facial Plastic and Reconstructive Surgery.

RESEARCH INITIATIVES

Our department continues to be involved with research projects both at our hospital and with the university. Recently we have undertaken studies regarding PTH optimization post thyroidectomy, surgical tray optimization, and outpatient thyroidectomy, led by Dr. Eskander. We have also joined a multi-centre research project with the Hospital for Sick Children being led by Dr. Nik Wolter to examine the effect of parental mood on post-operative analgesia used on children post tonsillectomy.
North York General Hospital

Dr. Everton Gooden
(Otolaryngologist-in-Chief)

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

Newsweek Ranks NYGH as one of the top 5 hospitals overall in Canada and the #1 community hospital in Canada.

We are in the early stages of a multi-year capital redevelopment project to expand and modernize the hospital. Plans are underway to build a state-of-the-art long-term care facility in addition to building a new patient care tower.

Drs. Everton Gooden, Manish Shah, Thileep Kandasamy, Jason Xu and Josie Xu comprise the medical staff in our ambulatory clinic and at NYGH.

Dr. Josie Xu is our newest member bringing much needed expertise in sleep-related surgery. Six full-time audiologists under the direction of Dr. Gina Oh provide adult and pediatric audiology services.

Leadership

Dr. Gooden continues as a director of the Foundation Board of Governors and Chairs the Governance and Inclusion Committee for the Board.

Dr. Manish Shah is a member of the Medical Staff Executive and serves as Secretary Treasurer. Dr. Shah also serves as our education coordinator and is a member of the Department of Otolaryngology Quality and Safety Committee.

Education

Our division continues to support electives students in the final year of the family medicine resident program in addition to supporting regular otolaryngology residents rotations. We also participate in undergraduate medical education and our teaching scores continue to rank amongst the best in the university.

FACULTY
Thileep Kandasamy, Manish Shah, Jason Xu.
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). The LTRI is a leading biomedical research centre, ranking amongst the top biomedical research institutes in the world.

SH is undergoing a transformative renovation over a multi-year period. The 7th floor was 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.

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 welcomed Dr. Joel Davies as a new full-time clinical faculty member this year joining Drs. Jerry Chapnik, Jeremy Freeman, Eric Monteiro, Allan Vescan and Ian Witterick. Dr. Davies trained as a resident in our program and then did fellowship training in South Carolina learning additional skills in microvascular reconstruction and transoral robotic surgery. Dr. Chapnik retired at the end of this academic year. Part-time faculty include Drs. Robert Burke, Yvonne Chan, Taryn Davids, Vinay Fernandes, Pia Pace-Asciak, Michael Roskies and Xerxes Punthakee. There is an active basic science research 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 thyroid clinics and tumour boards 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 started again in dentistry, diagnostic imaging, ophthalmology and radiation oncology. There were 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 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 Past-President of the CSO-HNS and Dr. Chan is Chair of CPD/CE. Dr. Witterick is 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 Cancer (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.
Dr. Danny Enepekides
(Otolaryngologist-in-Chief)

The 2021-22 academic year has been a very active year for Sunnybrook Health Sciences Centre. The Centre remains Canada’s largest trauma centre and the Odette Cancer Centre continues to be our region’s second largest cancer centre. In late 2020, the centre released its 2021-25 strategic plan. This ambitious patient centred plan has 4 strategic directions; personalized and precise treatments, integrated and sustainable models of care, quality and creating a better care experience, and high performing teams. The department of Otolaryngology-Head and Neck Surgery at Sunnybrook has positioned itself very well to lead in all these areas.

This has been a challenging year. The pandemic may have eased but it has led to a health human resource crisis that has impacted all our institutions. Consequently, the intended post-pandemic ramp up has not happened and resources to look after our complex patient population remain inadequate. Despite such pressures, the department has continued to enjoy great success.

The Sunnybrook Health Sciences Centre Cochlear Implant Program is the largest adult implant program in Canada and recognized as an international leading centre of excellence. Year over year this program has seen increased funded volumes and represents a very significant value add to the institution. Currently, Sunnybrook is funded to place 250 implants per year. The pandemic certainly impacted volumes as these surgeries were not prioritized over trauma and cancer surgery. However, the program has completed almost 200 cochlear implants in 2021-22 with even greater capacity should resources permit.

The departments lateral skull base surgery program saw a dramatic increase in case volume as post-pandemic surgical activities expanded. The program completed approximately 50 acoustic neuroma surgeries in 2021-22.

In 2021-22 the head and neck surgical team performed 263 major head and neck cancer surgeries, with approximately 130 free flap reconstructions. During the pandemic the team worked hard to maintain cancer services performing 237 and 217 major procedures in 2020-21 and 2019-20 respectively. Such volumes have made the Head and Neck Oncology program at Sunnybrook one of the premiere training programs in the country. Since 2008 the department of Otolaryngology-Head and Neck Surgery at Sunnybrook Health Sciences has trained 27 fellows who have gone on to successful careers around the world.

The department of Otolaryngology-Head and Neck Surgery is home to a dynamic, innovative,
productive, and collaborative research program. Over the past 5 years the program has generated over $18,000,000 in peer-reviewed external funding ($5,400,000 from principal or co-principal investigator led research). Areas of investigative focus are married to the department’s areas of clinical excellence and include inner ear regenerative science, neurophysiologic plasticity of hearing, inner ear drug delivery, clinical trials in head and neck oncology, high-intensity focused ultrasound, and health services research. In 2021, Dr. Alain Dabdoub was awarded $880,000 from CIHR for his work on multiomic approaches to identify regenerative pathways for the treatment of inner ear disorders. Dr. Trung Le received $185,000 from the Hearing Health Foundation for his research on sensory hair cell and supporting cell homeostatic states. Dr. Tony Eskander also received a combined total of approximately $500,000 in support of his health service research program. In 2022, both Drs. Le and Eskander were admitted to the Triologic Society.

The department has received multiple awards for excellence in education. It is home to the prestigious university department’s Faculty Teacher of the Year Award four years running (Drs. Eskander, Enepekides, Chen, and Le). For two consecutive years its faculty have been awarded the William Dixon Sunnybrook Surgical Education Award (Drs. Enepekides and Higgins). This is given to the Sunnybrook surgeon, from any of the disciplines, who has made the biggest impact on their residents and fellows development and evolution as surgeons.

In 2021 Dr. Vincent Lin continued to support the departmental mission to support outreach to Sioux Lookout. Additionally, Drs. Enepekides and Higgins continued to work with the Canadian Ukrainian Foundation towards establishing mission trips to eastern Poland to look after Ukrainian war victims. Their first mission trip has been organized for November 2022.

Finally, the Nanji Head and Neck Centre is approaching completion with the final $700,000 to be spent in 2022. This transformative gift in support of Otolaryngology-Head and Neck Surgery at Sunnybrook will enhance patient experience for years to come.

The department owes tremendous thanks to our partners in Audiology for their ongoing support. Most importantly, the team thanks our wonderful nurses, residents, and fellows who have provided incredible care during a challenging time.
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 1.71 million patient visits in the last year. This year Trillium Health Partners received the largest donation in Canadian history. A $105 million dollar donation from Peter Gilgan and The Peter Gilgan Foundation will be used to build the new Peter Gilgan Mississauga Hospital and the Queensway Health Centre.

Our Faculty

The passing of Dr. Lorne Segall in July 2022 has hit our division hard. We send our sincerest condolences to his family and to those who knew him. The Division of Otolaryngology – Head & Neck Surgery at Trillium Health Partners comprises of 8 members (Drs. Joseph Chen, Janet Chung, Aman Grewal, Andrew Ma, Jeff Mendelsohn, Karim Nazarali, 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. We have hired Drs. Amr Hamour, Vincent Wu and Weining Yang and excitedly anticipate their transitions to practice in July 2023.

Education

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

At the post-graduate education level, PGY4 trainees continue to rotate through THP as part of their community otolaryngology experience. Our rotation has been consistently highly ranked by the residents over the years because of the unique opportunity this rotation brings. They learn the practicalities of running a practice as well as acquire new clinical skills. This rotation showcases excellent one-on-one operative experiences 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

Dr. Janet Chung continues to serve as the
postgraduate education lead and Dr. Aman Grewal continues in his role as the undergraduate education lead. Dr. Chung is the liaison for the Community Academic Faculty at the university department.
St. Joseph’s Health Centre has continued its role serving the west end of Toronto and providing care to a 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 with the University of Toronto. As part of Unity Health there are changes under way that may affect its role in the community and this has caused some concern among the medical staff.

The division of OHNS is currently comprised of six physicians with diverse clinical interests and sub-specialties 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, Dustin Dalgorf and Dr. Pia Pace-Asciak who has joined the group this year. Dr. Fox and Dr. Kolenda have decided to curtail their clinical practices so we are in the process of advertising for one position and hoping to identify this new hire by the end of February 2023.

Several members of the faculty have administrative positions within the University of Toronto. Dr. Witterick just finished his second term as 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 plastic surgery fellow that worked 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 Medical Education (CME) 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 on 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 is a Catholic Health care organization that comprises of St. Michael’s Hospital, St. Joseph’s Health Centre, and Providence Healthcare. Unity Health Toronto now comprises 1,423 patient beds with 357,000 admissions annually. The combined annual ambulatory activity included more than 1,625,000 and 172,000 emergency room visits. The network employs 11,271 staff and 1,503 physicians are on faculty. There are 1,195 researcher staff at UH. In addition, it is a major education hub with more than 5,773 medical and other health professional learners training at the various sites.

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**

The current full-time faculty are Drs. Jennifer Anderson, Yvonne Chan, John Lee, R. Jun Lin, and Molly Zirkle. The current part-time faculty are Drs. Al Chiodo, Taryn Davids, Anil Katyal, John Rutka, Tulika Shinghal, and Jonathan Yip as a clinical associate.

**Education**

One of our department’s main pillar of excellence is medical education. Our training site rotation effectiveness scores have consistently been excellent. Our faculty members have been recognized as excellent educators.

Dr. Zirkle completed her second term as the FitzGerald Academy Director in October 2021 and she has transitioned to be the Interim Director of the Undergraduate Career Advising System at the Office of Learner Affairs at the University of Toronto.

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 undergraduate medical education. In addition to his educational roles, Dr. Lee also serves as the Head of the Division of Rhinology for our department. Dr. Lee also co-directs the Annual U of T Resident Sinus Surgery Course.

Dr. Jun Lin has transitioned into the role of St. Michael’s Hospital site representation on the post graduate
medical education committee at the University of Toronto Department of Otolaryngology – Head & Neck Surgery.

In the continuing medical education arena, Dr. Chan is the Director of Continuing Professional Development (CPD) and serves as the Equity Diversity Inclusion Lead 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. Family practice residents often join Dr. Zirkle and Dr. Chan for electives as well as Allergy/Immunology fellows join Dr. Lee for experience in rhinology. 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 26,048 patient encounters in the last year.

The multidisciplinary voice clinic has two full-time (Drs. Anderson and Lin) and two part-time (Drs. Davids and Shinghal) laryngologists. Three highly skilled speech pathologists, Marta DeLuca, Janine Fitzpatrick, and Taylor Strande, are invaluable team members who attend the voice clinic regularly. The KTP and TruBlu lasers 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 and Dr. Chan both subspecialize in Rhinology and Anterior Skull base Surgery. Dr. Lee also subspecializes in the outpatient epistaxis treatment for the Hereditary Hemorrhagic Telangiectasia (HHT) clinic using the KTP and TruBlu lasers. In order to reduce wait times and alleviate patient symptoms, Dr. Lee and Dr. Chan perform endoscopic nasal polypectomy in clinic.

In addition to her comprehensive Otolaryngology practice, Dr. Zirkle has a special interest in the reconstruction of the nose performing functional open and closed septrhinoplasties, providing an excellent learning opportunity for our residents.

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).

The part-time faculty are invaluable to the St. Michael’s Hospital Department of Otolaryngology in that they serve the general otolaryngology needs of our patient population.

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. Both Dr. Lee and Dr. Lin are active on the Research Committee at our U of T Department.

Dr. Lin secured a number of research grants during the 2021-2022 year. She was awarded the SMHA Innovation funds ($15,800), the Academic Medical Organization of Southwestern Ontario (AMOSO) Innovation funds ($93,860), and the Departmental Research Award from U of T Dept OHNS ($25,000).

At the 75th Annual Canadian Society of Otolaryngology – Head & Neck Surgery meeting, SMH Dept of OHNS had excellent representation. Dr. Chan was the CPD committee chair. Dr. Lin was one of the Poliquin Resident Competition judge and a Laryngology paper session moderator. Dr. Chan co-directed the CSO Telesimulation Endoscopic Sinus Surgery course and the Aerodigestive Endoscopy Course. Dr. Lee and Dr. Yip were both faculty at the Sinus Surgery course. All of our full time faculty (Anderson, Chan, Lee, Lin, and Zirkle) participated in 5 workshops 6 oral podium presentations in addition to 1 poster presentation. Dr. Lee co-supervised one of the Top 3 research papers at the Poliquin Resident Competition.

SMH OHNS also had an excellent representation at our U of T Department Annual Percy Ireland Research Day. Out of the 15 resident presentations, Dr. Lee supervised 3 of them which is the most number of projects by 1 supervisor. Dr. Chan and Dr. Lin each supervised 1 paper presentation. Dr. Lee supervised the best paper in 2 resident research categories.

**Leadership**

Our faculty continue to provide leadership at multiple levels at St. Michael’s Hospital, the University of Toronto, and beyond. Dr. Anderson 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 2021 CSOHNS annual meeting. She is the past 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 undergraduate medical education. In addition to his educational roles, Dr. Lee also serves as the Head of the Division of Rhinology for our department.

Dr. Lin served as the St. Michael’s Hospital post graduate medical education site lead on the Dept of OHNS PGME committee at U of T.

Dr. Zirkle is now the interim Director of the Undergraduate Career Advising System at the Office of Learner Affairs at the University of Toronto. Dr. Zirkle is also 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.

Our part-time faculty 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 in terms of our clinical expertise, research innovation, education, and leadership by the various faculty members. We hope to further solidify our national reputation as a Centre of Excellence in the education, research, and care of the upper airway.
The Department of Otolaryngology-Head & Neck 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.

Dr. Chris Yao joined the department in January 2022 having been recruited from the Fox-Chase Cancer Center after a two-year fellowship at MD Anderson Cancer Center. Chris is well known to the Toronto faculty having completed his residency training in Toronto. Dr. Yao’s academic focus will be in the use of deep learning in head and neck oncology. His clinical practice focuses on advanced head and neck and skin malignancy including reconstructive microsurgery and robotics.

Dr. Neil Bailie joined the department in the fall of 2021 with a focus in neuro-otology, disease of the middle ear and lateral skull base surgery. His academic focus will be in the management of vestibular disorders, continuing his collaboration with Dr. Rutka and our multidisciplinary vestibular clinic. Dr. Bailie was recruited from Belfast Northern Ireland where he was a senior consultant. He previously had completed a fellowship here at University Health Network and the University of Toronto. His surgical expertise includes; lateral skull base, middle ear surgery including stapedotomy and endoscopic middle ear surgery.

Drs. de Almeida, Goldstein and Yao lead our robotics program with an established expertise in trans-oral robotic surgery. Dr. de Almeida also collaborates with Drs. Witterick and Vescan in our institutional endoscopic skull base program.

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

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

Dr. Irish continues to lead the Guided Therapeutics (GTx) Group at TECHNA and continues to work with peer-reviewed grant support from the Terry Fox Foundation on non-invasive 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 virtual surgical planning. Dr. Irish continues to lead the university Division of Head and Neck Surgical Oncology and Microvascular Surgery and is 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 has been one of the surgical champions for the implementation of our new EMR (EPIC) and in that capacity has facilitated our conversion to EPIC within 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 head and neck oncology. Dr. Goldstein continues to lead our surgical trials program funded with a million-dollar donation from the Robertson Foundation.

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. Numerous members of the department have delivered keynote presentations at international meetings.

The department’s undergraduate, postgraduate and fellowship programs continue to provide excellent training. The department is an active participant in the university department’s divisional fellowship offering 5 clinical and 1 research fellowship position this year. These positions are highly sought after because of the strength of the clinical program at UHN. Drs. Rutka and Bailie continue to offer an outstanding fellowship in otology and neuro-otology.

The department continues to be indebted to our many donors as well as the Princess Margaret Foundation and the Toronto General/Toronto Western Foundation whose contributions allow us to continue the legacy of leadership in otolaryngology-head and neck 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 our new website. Surgical videos are also available on the Toronto video atlas web site, a unique UHN initiative for surgical education.
Research Team Reports
Auditory Science Lab

Robert V. Harrison

This is the final report for the Auditory Science Laboratory at the Hospital for Sick Children. As of January 2022, the physical laboratory operation ceased, however Bob Harrison continues other various academic activities with an Emeritus Scientist status.

The laboratory has been part of our University Department of Otolaryngology-HNS since 1984. Over that period our team has enjoyed continuous funding from CIHR, as well as many supplementary grants from other agencies. We have generated over 200 peer-reviewed research papers, as well as hundreds of conference lectures and posters.

Over 38 years this facility has been very active in basic lab research projects as well as applied 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 facility is now closed, there are no new trainees and existing projects are being finalized. One ongoing study, presently supported by the Barberian Scholarship fund, is a collaborative effort with the University of Utah (Dr. Albert Park) on hearing loss associated with cytomegalovirus infection. This year has seen an important publication arising from this work:


Other publications of collaborative work over the past year include:


I would like to take this opportunity to thank to all the past laboratory team members (research collaborators, technicians, post-doctoral fellows, graduate trainees and summer students) that have contributed to, and hopefully gained from being in the Auditory Science Laboratory. 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 “discovery science” generated by the lab will continue to inform our clinical understanding of hearing disorders.

Neurotology and Vestibular Research

Phillip Gerrestsen, Neil Bailie, John Rutka

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.

There have been several changes to our program over the past year. Dr. Neil Bailie joined us in September 2021 as our second neurotologist. We are somewhat saddened however to announce that Dr. Paul Ranalli (neuroophthalmologist) has decided to retire from UHN and our Multidisciplinary Neurotology Clinic (MNC). Paul has been a valued consultant for this subspecialty clinic since its inception in the late 1980’s from a collaboration brought together by Dr. Patrick Gullane and the late Dr. James Sharp. Subsequent to Paul’s retirement, we have been helped considerably by Dr. Felix Tyndel (one of the original founding members of the MNC). We would like to thank Felix for his ongoing help in providing the continued neurological assessments for our patients.

As far as the future is concerned, we are pleased to announce that Dr. Robert Ure (neurologist/neuropsychologist) will be joining us in early 2023 to provide continued neurological care to our patients. Robert will provide a greater focus in treating those with further mental health dimensions to their presentation. To this end we are also extremely thankful to the Peter and Melanie Munk Foundation who provided a benefaction of $250,000 to fund salary support for our vestibular nurse, Ms. Wanda Dillon. Wanda has now assumed a full-time position with our clinic.

Our current research projects involve:
1. The Burden of Dizziness in the Province of Ontario from OMA/MOH LTC data.
2. A Substantive Review of our Prospective Workplace Safety and Insurance Board (WSIB) Neurotology Data base of over 4,500 Head Injured Workers.
4. Creation of a Teaching Portfolio from the UHN Neuroradiology and Neurotology Rounds.
5. Evaluation of the Continuous Ambulatory Vestibular Assessment (CAVA) Tracker in the monitoring of patients especially with vestibular migraine and recurrent vestibulopathy (RV).
6. Creation of a Vestibular Implant Program.

Neurotology/Vestibular Publications for the academic year 2021–2 included:


Finally, we were honoured to learn that our paper “Receiving Long-Term Disability or Pursuing a Legal Claim May Prevent Recovery from Chronic Dizziness. Laryngoscope 2021” was considered as one of the most important publications by The Laryngoscope in the world literature for 2021.

Cochlear Implant, Neurotology & Otology Research

Joe Chen, Andrew Dimitrijevic, Vincent Lin, Trung Le

It has been a tumultuous year for the Sunnybrook Cochlear Implant Research lab mainly with regards to the lingering effects of the COVID-19 pandemic. Our clinical and surgical case volumes are slowly returning to normal although the effects of the nursing shortage is certainly creating ongoing challenges.

However, our cochlear implant research endeavours continue. This spring brough the return to live conferences as our group travelled to Washington DC for the American Cochlear Implant Alliance annual meeting.

The cochlear implant research team consists of Dr. Andrew Dimitrijevic who runs the cochlear implant electrophysiology lab. Drs. Joseph Chen, Vincent Lin and Trung Le run many of the clinical cochlear implant research projects and clinical trials. From the audiology standpoint, Kari Smilsky is the clinical lead and Amy Ng as well as the rest of the cochlear implant audiology team are also heavily invested in our ongoing research endeavours.

The group continues to quite productive with a total of 16 publications in the academic year. Granting and philanthropic generosity continues to be the pillars of our fundings for our research labs and projects.

The range of projects continues to encompass all facets of cochlear implant and hearing restoration research. Our projects range from:

• Listening effort and spatial listening in CI users with Single-Sided Deafness (SSD)

• Mechanisms of tinnitus suppression with a CI in SSD

• Neural correlates of auditory working memory is related to speech perception in noise in CI users

• Development of a brain-computer-interface based on auditory selective attention

• Neural responses to semantic expectancy in natural speech

• Development of a selective spatial listening task that relates to Quality of Life in CI users

• Online tests of working memory relates to speech perception and Quality of Life in CI users

• Neural stimulation using high-density transcranial direct current stimulation.

• Robotic Mastoid Drilling

• Magnetic Targetting
Auditory Development & Regeneration
Alain Dabdoub

Our research program centers on discovering and elucidating the molecular signaling pathways and transcription factors responsible for the neurodevelopment and regeneration of the cochlea – the hearing organ. Our goal is to connect the developmental biology of the inner ear to diseases and ultimately to regenerative medicine for the amelioration of hearing loss.

We carry out a dynamic interdisciplinary and highly collaborative research program centering on four main foci drawing upon our diverse training and expertise. These are:

1. Discovering the molecular underpinnings of hair cell development and regeneration.

2. Regenerating auditory neurons through direct cellular reprogramming.

3. Developing new approaches of non-invasive delivery of therapeutics to the inner ear.

4. Identifying and quantifying inner ear biomarkers that report on the pathologies and treatment efficacies of the inner ear.

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. Our work is published in impactful journals and presented at several podium at international and national conferences as well as international invited talks.

Our lab is supported by multi-year grants from the Canadian Institute of Health Research (CIHR) 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
Sensory hair cells in the cochlea convert sound into an electrochemical signal for processing in the brain. Many life-saving drugs are toxic to hair cells, and hair cells are unable to regenerate. Therefore, permanent hearing loss is a common side-effect of ototoxic drug treatments. In this image, a cochlear explant is being used to quantify hair cell death when testing a therapeutic approach for preventing drug-induced hearing loss. Live hair cells are red (Myosin-VIIA) and dying cells including hair cells are green (TUNEL).


Paediatric Cochlear Implant Research Lab
Karen Gordon, Blake Papsin, Adrian James, Sharon Cushing

This year remained marked by the realities of the COVID-19 pandemic. Nonetheless, 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 early identification and stimulation through prostheses including cochlear implants, hearing aids, and bone conducting devices? 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 several studies currently underway.

Our team includes Jaina Negandhi, our Research Project Co-ordinator and Al Blakeman, our Research Project Co-ordinator.

As is typical, we have had changes in our graduate student team. Robel Alemu has continued in his PhD degree program at IMS this year. He is assessing spatial hearing in children with and without hearing loss. Angela Fung continued her MSc degree program at IMS. She is investigating methods to assess access to binaural hearing in children with hearing loss. Robel and Angela both presented initial findings at the virtual 45th mid-winter meeting of the Association for Research in Otolaryngology in February 2022. Angela received a student award for this abstract. They also made great gains this summer, recruiting and testing over 30 children who participated in their studies. Robel also significantly contributed to data collection and analyses in a paper in review at Otology and Neurotology.

Rebecca Benjamin successfully defended her MSc thesis, completing her graduate program in IMS in January 2022. Despite COVID-19 related restrictions, she was able to collect important data on postural stability in individuals with cochleo-
vestibular impairments. Rebecca presented her work at the virtual 45th mid-winter meeting of the Association for Research in Otolaryngology in February 2022 and has 2 papers in review (1 at Ear and Hearing, 2 at Scientific Reports).

Lulia San joined our team as an MSc graduate student at the Institute of Medical Sciences in September 2022 so we will look forward to reporting on her progress in next year’s report.

Last 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. This summer, we welcomed Emily back as well as Jonathan Pike who is an undergraduate student at Western University. We also have a team of medical students (Emily Wener from University of Ottawa; Lindsay Booth from the University of British Colombia, Veeral Desai from Queen’s University, and Haily Bensky from McMaster University) who have been working on a follow-up study to our paper in 2021 showing reduced access to spoken communication by children with CIs associated with pandemic related school closures.

We continue to have important collaborations both locally (Adrian James, Evan Propst, Susan Blaser, Jenny Campos, Andrew Dimitrijevic, Elizabeth Pang, Birgit Ertl-Wagner), nationally (Steve Lomber) and internationally (Ruth Litovsky). We have an active collaboration with Steve Lomber, McGill University, to assess potential mismatches in stimulation levels in children using bilateral cochlear implants. Carina Sabourin, a PhD student from McGill University, is collecting and analyzing these data.

The past year has been very productive. 19 publications came out or are in the press. Between this summer and last, we collectively presented over 20 abstracts at international meetings and gave over 30 invited talks at virtual international meetings.

We were also excited to launch our Hear Here Podcast! Please check it out and subscribe.

Some additional highlights from the past year include:

- 6 student/trainee awards including the Margaret & Howard GAMBLE Research Grant, Temerty Faculty of Medicine, University of Toronto and Raymond Ng Graduate Research Award, Dept. Otolaryngology-Head & Neck Surgery, University of Toronto to Melissa Hazen
- Travel Award, Association for Research in Otolaryngology, 45th Annual Mid-winter meeting to Angela Fung
- Excellent Presentation Award, Collaborative Program in Neuroscience (CPIN) 2021 Research Day Awards, University of Toronto to Rebecca Benjamin
The Sunnybrook Health Sciences Centre Head and Neck Oncology Division had a productive year with several clinical trials and research projects currently underway.

Our Odette Cancer Centre head and neck disease site lead has transitioned from Dr. Kevin Higgins, who did a fantastic job over the last decade, to Dr. Antoine Eskander. In September 2022, the disease site had a retreat at the Toronto Lawn Tennis Club to discuss both clinical and research affairs of the site. This included dentistry, oral surgery, clinical nutrition, speech and language pathology, research coordinators, nursing, medical oncology, surgical oncology, and radiation oncology. The site continues to grow clinically and academically centered around a vibrant and collaborative multidisciplinary clinic. The research portfolio of the group, particularly as it relates to clinical trials, has grown substantially particularly in the realm of industry driven trials.

A few clinical trials have achieved successful recruitment and closure this year in HPV-associated oropharyngeal SCC; most notably ORATOR II, 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 with Dr. Eskander on the surgical quality committee for the trial and with Dr. Martin Smoragiewicz as the medical oncology lead. Our site was also the first outside of the sponsoring centre to pilot the injection as part of a pilot project. Most notably, Dr. Ian Poon, is leading a CCTG approved clinical trial (HN.13) looking at the role of SBRT in unresectable head and neck cancers; a technique he has developed and published on extensively. While this is approved at CCTG, funding is being sought to support this important trial.

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 and open trials are assessing the role of novel immunomodulatory agents in combination with immunotherapy and chemotherapy in primary and recurrent/metastatic HNSCC. One particular study of interest will be examining the role of induction/neoadjuvant immunotherapy prior to surgical resection of curable locoregionally advanced head and neck cancers. Dr. Eskander is the local principal investigator of a large national CIHR-funded active prehabilitation randomized trial is also open for frail patients undergoing head and neck surgery, hepatobiliary surgery, colorectal surgery and gyn-oncology surgery.

The division has completed and published 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. The team including dentistry, oral and maxillofacial surgery, anesthesia and head and neck surgical oncology are embarking on a large project to study all their osteoradionecrosis patients in a multidisciplinary fashion to complement our recently developed and implemented survivorship rounds.

Dr. Andrew Bayley is 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. Some of these projects, led
by Dr. Bayley are multi-institutional studies through the American Head and Neck Society (AHNS).

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. 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.

Dr. Higgins, in conjunction with Dr. Kathy Roth from Western University, is co-leading a national study through the Collaborative Research Initiative of the Canadian Society of Otolaryngology – Head & Neck Surgery, to prospectively study patient and system factors associated with the presentation of advanced cutaneous malignancies. This work is closely tied to provincial and national initiatives designed to combat the advanced presentation of cutaneous malignancies.

Dr. Antoine Eskander holds an American Association of Otolaryngology – Head and Neck Surgery (AAO-HNS) Health Services Research Grant, a New Investigator Award from the Terry Fox Research Institute and Canadian Institute of Health Research (CIHR), CIHR funding for his COVID Cancer work, and two grants from the Canadian Cancer Society. In total Dr. Eskander has received nearly $3,000,000 in peer-reviewed grant support as principal investigator or co-principal investigator. Dr. Eskander is an active leading scientist at ICES in the Cancer Program. 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, who recently very successfully completed his PhD thesis. Dr. Eskander is also co-mentoring students from the Department of General Surgery and their division of Surgical Oncology. He has an incoming vascular surgery resident MSc trainee as well as an incoming otolaryngology post-graduate PhD trainee.

Many collaborative studies are being completed at Sunnybrook as part of the Canadian Society of Otolaryngology – Head & Neck Surgery (CSOHNS) 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, margins in oral cavity cancer patients, wait-times association with outcomes in oral cavity cancer patients, and a study assessing the impact of targeted therapy on anaplastic cancer outcomes. Many of these studies are near completion and some have been accepted for publication. Dr. Higgins and Dr. Eskander are actively engaged through the Collaborative Research Initiative in all of these studies.

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. 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 have published work on 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 2021-2022 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 Otalaryngology-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 numerous peer-reviewed publications and 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 oncology 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. Multicentre and co-operative groups are in the process of being opened at UHN.

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. The Guided Therapeutics Program work and accomplishments are covered in a separate report.

We continue to build our data infrastructure, and in particular a comprehensive head and neck surgery database that incorporates data collection into current clinical workflows and is supported by the Shen Family Charitable Foundation. 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 a 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 is heading up the data science and artificial intelligence research and is currently completing a masters of applied science in mechanical and industrial engineering at the University of Toronto.

Lastly, training and education in research continues to be a priority at UHN. Our researchers have continued to supervise and train undergraduate students, medical students, residents and fellows in research in otolaryngology-head & neck surgery.
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:
Drs. Nidal Muhanna MD PhD, Donovan Eu MD and Catriona Douglas MD PhD

GTx Toronto-Brescia & Padua International Scholar Program:
Marco Ferrari MD, Stefano Taboni MD, Tomasso Gualtieri MD

GTx Fellows:
Drs. Axel Sahovaler, Sharon Tzelnick and Esmat Najjar

GTx Visiting Resident (Italy-Toronto Collaboration):
Drs. Leonardo Franz and Alessandra Ruaro

The GTx Research Program, part of UHN’s TECHNA Institute and Princess Margaret Cancer Center, 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 Rooms (GTx-OR at the Toronto General Hospital, GTx-OR2 at Mount Sinai Hospital) and the GTx-Lab (at the Princess Margaret Cancer Research Tower). During the past year, the GTx Program focused on translational research and development of a broad range of new and continuing research projects:

• The new GTx-OR at Mount Sinai is now completed and operational. As part of OR reconstruction at Mount Sinai, Drs. Jay Wunder and Peter Ferguson, working with members of the GTx program, designed and developed an osteosarcoma-focused OR with GTx-developed navigation technology incorporated in the design for routine clinical use. This work has been supported by The Strobele Family Guided Therapeutics (GTx) Research Fund;

• As part of a collaborative research team funded by a Terry Fox New Frontiers Program Project Grant ($6,600,000 CAD-PI: Zhang, Co-PI J Irish, B Wilson) for “Porphysome Nanoparticle-Enabled Image-Guided Cancer Interventions”, our nanoparticle development and translational research has continued. This primarily includes the GTx Program’s 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. During 2021/22, a primary focus was on completing preclinical safety and efficacy studies for oral cavity and head and neck applications. GMP nanoparticle production scale up, and safety and efficacy data obtained as part of this collaboration is anticipated to lead to Health Canada IND approval and first in human clinical trials in 2023/24;

• Building upon past nanoparticle efficacy research in the GTx-Lab, we have extended the research focus to include porphysome PDT as a mono and adjuvant therapy for oral cavity carcinomas.
We developed a safe, quick and highly efficacious procedure that leads to long-term disease-free survival of preclinical animals with highly aggressive oral cavity tumour models. The research has been summarized and submitted in two separate publications that will be published soon (Sahovaler et al, 2022 and Tzelnick et al, 2023);

• As part of a larger nanoparticle clinical trials group, multiple grant applications were successful and awarded funding to complete GMP porphysome nanoparticle production and to begin first in human clinical trials. This includes funding of $500,000 to Dr. Irish as a Co-PI from the PMCF Agnico Eagle Beyond Chemotherapy Grand Challenge for the project “First-in-Human Porphysome Nanotechnology for Precision Tumor Ablation and Surgical Guidance”. In addition, the GTx Lab continues its strong collaboration with Dr Gang Zheng and Dr Irish is the Co-Investigator/Overall Clinical Lead in “First-in-Human Porphysome Nanotechnology for Precision Tumour Ablation and Surgical Guidance” supported by an Ontario Institute for Cancer Research Clinical Acceleration Team Award for $1,130,803 CAD.

• Thanks to a generous donation by the Austin family, a new GTx International Fellow program has officially been established that will allow for the continued training of international clinical research fellows. Each year the P. Austin Family Foundation GTx International fellowship will sponsor up to two fellows to pursue a clinical or research fellowship at Princess Margaret Cancer Center/UHN. One fellow each year will be integrated with the GTx program to bridge the gap between laboratory and clinical research.

• As reported last year, the GTx group has started a new collaboration with the Dr. Michelle Oblak at University of Guelph/Ontario Veterinary College to examine safety and efficacy of porphysome PDT in spontaneously occurring veterinary tumours (oral cavity and thyroid) in cats and dogs. Dr. Irish and collaborators were the recipient of a 3-year Canadian Cancer Society Challenge Grant (“Nanoparticle enabled photodynamic therapy and fluorescence guided surgery for treatment of oral cavity cancer”) that commenced in January of this year (2022). This research will continue our translational development and study of the efficacy and feasibility of using porphysome nanoparticles for PDT treatment and fluorescence image-guided surgery for spontaneous veterinary H&N cancers. The first “patient animals” have been treated and the research on safety and efficacy is ongoing:

• The new Siemens Cios Spin cone-beam CT has completed the first year as our main research imaging system in GTx-Lab. Routine use of the new cone-beam CT continues, with use primarily by the H&N and thoracic research groups collaborating with GTx (Inage T., et al. J Thorac Dis, 2022).

• Developing a 3D fluorescence imaging system for head and neck surgical guidance (OHNS Raymond Ng & Wendy Chui Innovation Fund); in 2022 developed and validated a novel deep learning algorithm to quantify depth of invasion in simulated oral cavity tumours (Daly et. al, OPTICA, 2022).

• Dr. Mandolin Bartling started her PGY2 research block in GTx-Lab working on the project “Clinical Oral Cancer Tumour Models for AI-Enabled 3D Fluorescence Imaging”. This involved the creation of 3D printed lab models based on contours of oral cancer tumours on CT/MR to
evaluate the performance of our 3D fluorescence system.

- Supervision of co-op students from McMaster, Waterloo, Toronto and Toronto Metropolitan Universities working on 3D fluorescence from undergraduate / graduate programs in biomedical engineering and medical physics, including: Stefanie Markevich, Scott Holtshousen, Arjun Jagota, Josie La Macchia, and Natalie Won.

- Developing and translating image-guidance and 3D intraoperative imaging technologies for craniofacial models; in 2021 a pre-clinical cadaver study demonstrating surgical navigation reduced the rate of margin involvement, particularly by improving delineation of bone-uncovered areas was competed (Ferrari M, et. al., *Eur J Surg Oncol*, 2022).

- Continuation of multiple collaborative projects with the University of Brescia and University of Padua (Italy) and Dr Piero Nicolai focused on 3-dimensionally printed stem cell scaffolding for bone reconstruction and other head and neck reconstruction projects (Irish/Gilbert/GTx). This included publication or submission of two manuscripts (including Sartore L et al, *Int J Mol Sci*. 2022 and Ferrari M et al. submitted 2022 – Figure 1) detailing characterization and initial in vitro and in vivo research results with these materials. Dr Ferrari also went on to publish a multi-centre study entitled “The MUSES*: prognostic study on 1360 sinonasal cancer patients undergoing endoscopic surgery-based treatment” in the European Journal of Cancer.

- Fellowships: 1) Axel Sahovaler successfully completed 1 year as GTx research fellow and has joined the staff at University College London as a consultant 2) Leonardo Franz, the 4th GTx-Italy research fellow, successfully completed his fellowship in January 2022 and has returned to the University of Padua. Alessandra Ruaro has joined the GTx team from the University of Brescia.

- Evaluating custom augmented reality (AR) and virtual reality (VR) technologies for surgical training and guidance; in 2021/22, this resulted in publication of a study demonstrating a projector-based AR method improved margin delineation, and preoperative planning was accurately translated to the simulations (Chan HHL et al., *Oral Oncol.*, 2022).
The 2021–2022 academic year represented a time of transition in research activities at St. Michael’s Hospital. With more activities and meetings returning to in-person, we have been fortunate to continue to produce and present several research papers from our rhinology research program. Again, I am indebted to the ongoing generous support from The Dunin Foundation, which has allowed us to continue to pursue many of our research projects.

Scientific Publications:

We had a total of 5 peer-reviewed publications this past year. This included manuscripts published in prestigious journals such as The Journal of Cystic Fibrosis, The Journal of Neuro-ophthalmology, the International Forum of Allergy and Rhinology and the European Archives of Otolaryngology-Head & Neck Surgery. A couple of these papers deserve a special acknowledgement.


This study was one of the first to highlight the negative impact of CRS on overall health related quality of life in one of the largest series of cystic fibrosis patients. A huge congratulations to Dr. Daniel Lee for leading this study and a sincere thanks to the Cystic Fibrosis program at St. Michael’s Hospital for their ongoing collaboration to bring the best possible care to our patients.


This was one of first systematic reviews and meta-analyses to investigate the risk of hypothalamic-pituitary-adrenal axis suppression with the use of intranasal corticosteroids (INCS). By critically examining the published literature, we were able to summarize the specific risks associated with older and newer generation INCS as well as the risks associated with prolonged usage of the medication. A sincere thanks to our residents Gianluca Sampieri, Pouyan Namavarian, John Jong Wook Lee and Amr Hamour for their efforts in putting this tremendous paper together.

I am also proud to report that this past year, we published the first ever Sinus Surgery CT Anatomical Checklist application available for both iOS and Android. Designed for trainees or those who perform sinus surgery, the app highlights a number of key anatomical structures which should be reviewed on a CT scan prior to surgery. Representative CT images with labels are included as well as a list of relevant literature for review.


Scientific Meetings and Presentations

This year marked the first time in almost 2 years that many of our rhinology research projects were presented in-person at international, national and local scientific meetings. Below are some notable highlights:

1. Drs. John (Jong Wook) Lee and Amr Hamour presented their work on a chronic rhinosinusitis
mouse model at the American Rhinology Society Annual Meeting in Los Angeles, CA in October 2021.

2. Drs. Elysia Grose and Shireen Samargandy presented their work on AERD and Immunodeficiency Associated CRS respectively at the Canadian Society of Otolaryngology-Head & Neck Surgery Annual Meeting (virtual) in October 2021.

3. Drs. Lily Wang, Marc Levin and Vincent Wu presented their work at the Percy Ireland Academic Resident Research Day (May 2022). This was another large showing from our rhinology research program at SMH. A huge congratulations to Dr. Wang for co-winning the top research award for a PGY-2 trainee on her project entitled “Automation and Optimization of Radiological Interpretation of Chronic Rhinosinusitis on Paranasal Sinus Computed Tomography (‘Deep Sinus CT’)”. Dr. Wu also won the top research award for a PGY-4 resident with his project entitled “Levels of Nasal Nitric Oxide and Inducible Nitric Oxide Synthase Expression in Chronic Rhinosinusitis with Nasal Polyposis”.

In summary, I am proud of all our accomplishments this past academic year and look forward to even greater things in 2022-2023. None of this success would ever be possible without the enthusiasm, dedication and commitment from the many residents and medical students who continue to support our program.

VOICE AND UPPER AIRWAY

Voice and Upper Airway Laboratory

Jennifer Anderson & R. Jun Lin

Despite alterations to academic and clinical practices subsequent to the pandemic, the voice research team at St. Michael's Hospital has continued to develop further collaboration with regional and international colleagues in voice and laryngology research.

The voice research team including trainees, speech language pathologists and laryngologists as well as a research coordinator. Unfortunately, we were unable to hire into that position which was vacant for most of 2021 until recently. We welcome Silkan Bain, our new research coordinator, who will anticipate will be a key team member assisting in our research productivity.

There have been some additional team members to our laryngology centre in 2021 with two new full-time speech pathologists: Janine Fitzpatrick and Taylor Strande join Marta De Luca (also a mezzo soprano) as full-time therapists in our department. Both are talented speech pathologists working with outpatient laryngology and swallowing patients as well as research participation. Gwen Merrick, a long-standing valued team member, has departed to a very successful combined psychotherapy and speech pathology private practice.

Members of our department and/or trainees involved with research projects have presented at various national and international meetings. This includes the International Association of Phonosurgery (Kyoto, Japan), Fall Voice (San Francisco, USA), Oto Update (Toronto, Ontario) and COSM (United States) as well as the CSO (virtual).

Active Research Grants

Co-investigators: Anderson J, Lin, RJ
St. Michael's Hospital Alternate Funding Plan: Innovation Grant.
Comparison of Blue light and KTP laser treatment for RRP in adult ambulatory population. $12,000 (Nov 2019).
Status: mid-phase in patient recruitment (Delayed directly due to COVID resource restrictions).

Dr. Jun Lin: Principal Investigator
Surgical Protective Barriers for AGMP in the Head & Neck Region for SARS-CoV2 and Similar Respiratory Pathogens, SMH Alternate Funding Plan, $25,000 (June 2020).
Dr. Jun Lin: Principal Investigator, Dr. Jennifer Anderson: Co-Investigator
Status: Patient recruitment nearing completion.

Additional Ongoing Projects


2. Developing an objective structured assessment of technical skills (OSATS) in microlaryngoscopy (Dr. Jun Lin).


Formation of VoiceCollab.ai, a multidisciplinary multi-institutional academic-industry partnership, aiming to collaborate in acoustic, video and demographic data collection for the advent of robust and inclusive AI in voice science.

4. Retrograde Cricopharyngeal Dysfunction:
   a. Effects on Mood and Social Isolation (Dr. Isabel Besserer, Dr. J. Anderson) Trainee Project (Fall Voice 2021).
   b. High Resolution Manometry Findings in RCPD (Dr. Zainab Baksh, Dr. L. Louis (UHN), Dr. J. Anderson) IAP 2022 presented.
   c. Effects of In Office Botox Injection on symptoms of RCPD (Trainee Project) Dr. Zainab Baksh and Dr. J. Anderson.
Status: Prospective patient recruitment intake completed (> 70 patients).

5. Waste Audit: Comparison of In Office and Operating Room Laser surgery for laryngeal pathology (Dr. J. Anderson).
Face the Future Foundation

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

Face the Future Foundation, like so many people and organizations in the past year, faced many challenges while realizing many opportunities.

Due to either the ongoing effects of the COVID-19 pandemic or geopolitical and military unrest, planned missions to Addis Ababa, Ethiopia, Kigali, Rwanda and Kathmandu, Nepal had to be deferred. The Foundation has also suspended all missions to Russia and publicly stated its intention to support Ukraine. Dr. Adamson and Dr. Rick Jaggi, Associate Professor of OHNS at the University of Saskatchewan completed a pilot mission to Erbil, Iraq in October 2021. Unfortunately, future missions have been cancelled due to unrest in the area.

The Board of Directors was pleased to announce the addition of two new members, both Mission Directors. Dr. Anthony Brissett is a Clinical Professor of Otolaryngology and Vice-Chair of his department at the Institute of Academic Medicine at Houston Methodist Hospital and Weill Cornell Medical College. He has participated in missions for 15 years and will head up one of the Foundation’s new missions to Africa. Dr. Jeremy Warner, a plastic surgeon and former fellow of Dr. Adamson’s, is a Clinical Assistant Professor of Surgery at the University of Chicago Pritzker School of Medicine. He is Mission Director for Nepal.

Face The Future reviewed and confirmed its vision, mission and values. It also responded to the pressing need for individuals and organizations to advocate for equity, diversity and inclusion, especially as its work in developing countries mandates a constant application of these principles and practices. Our board discussions were led by individual board members and covered their wide variety of experiences. These discussions were especially guided by our board members, Dr. Everton Gooden and Dr. Anthony Brissett, along with the assistance of Professor Amoaba Gooden, Vice-President of the Division of Diversity, Equity and Inclusion at Kent State University.

The annual fundraising event, Chrysalis 2022, was held on June 1 at The Carlu. It was highlighted by Dr. Jeremy Warner’s presentation of the Foundation’s work at the Kirtipur Cleft and Burn Hospital in Kathmandu, Nepal. More than 240 friends of Face the Future were present, including many members of the Department of OHNS. Over $130,000 was raised to support both established and proposed new missions.
Dates have been set and planning is well underway to resume Face the Future missions to Kathmandu in January 2023. This mission will focus on the acute care of burn patients, nasal and facial reconstruction, microtia, upper extremity reconstructive surgery and facial nerve reanimation. The 20 member missions to Kigali, Rwanda are being replaced in 2023 by several smaller missions of about six team members, each of which will focus on specific areas of need. The first will be led by Dr. Andres Gantous in February and will highlight nasal reconstruction. Subsequent teams will provide hands-on microvascular surgical experience for three new young consultants and three new residents. Dr. Marco Caminiti, assistant professor and Graduate Program Director for Oral and Maxillofacial Surgery at the University of Toronto, will lead a team to the Black Lion Hospital in Addis Ababa in April to manage complex congenital, traumatic and post-ablative facial conditions.

Relationship development and planning has also begun for potential missions to Ivano-Frankivsk, Ukraine and Maputo, Mozambique. It is expected these missions will take place in the first half of 2023.

The last two years, unfortunately, have significantly increased the surgical burden in the global healthcare village. This has provided us great challenges, but also now creates fresh opportunities. Face the Future looks forward to recommencing its established missions and developing new missions to treat patients in great need and educate healthcare providers in developing countries in the coming year.

Northern Ontario Outreach Program
Drs. Paolo Campisi, Vincent Lin and Eric Monteiro

We continue our semi-annual trips to Sioux Lookout Ontario. Drs. Campisi, Monteiro and Lin made two trips this year in March 2022 and September to the Meno-Ya-Win Health Centre. In the March 2022 trip, Dr. Chantal Li joined them for the week and in the September 2022 trip, Drs. Grace Yi and Gianluca Sampieri joined the faculty.

Typically, we arrive on Sunday evening after a long drive from either Thunder Bay or Winnipeg. We start early Monday and usually by Friday afternoon we will have seen about 250 patients and performed about 10-15 cases. Surgical cases include endoscopic tympanoplasty, FESS, minor lumps and bumps, rhinoplasty, septoplasty, tonsillectomy and myringotomy and tube placement. We are fortunate to have full access to audiology as many of our patients are flown in for their visits with us.

The range of pathology seen in Sioux Lookout demonstrates the association between social determinants of health and poor outcomes. It also highlights that even in a first world nation like Canada, are pockets of extreme poverty and lack of reliable access to many basic amenities like suitable housing, fresh water and health care.

We will continue our future trips and the hospital is building a new outpatient clinic that will allow more patients to be efficiently assessed and treated so we look forward to building upon our longstanding relationship between the department and Sioux Lookout.
Publications
BOOKS


Pediatric Head and Neck Textbook – Pathology, Surgery and Imaging
Springer Science. Editors: Campisi P, Ngan B, Forte V, Taylor G. Published 2021

Pediatric Head and Neck Textbook: Pathology, Surgery and Imaging. (31 Chapters); Editors: P. Campisi, V. Forte, B. Ngan, G. Taylor. Publisher: Springer Nature Switzerland AG, Gewerbestrasse 11, 6330 Cham.

BOOK CHAPTERS


Au M, Kim J, Irish JC. Health System Approaches to COVID-19 Patients and the Impact on Head and Neck Cancer Care IN: Head and Neck Cancer Care in a Pandemic: Prioritizing Safe Care,” PMPH USA.


Cheng E, End C, Chan Y (Faculty editor), Eskander A, Irish J. Otolaryngology. IN: Toronto Notes 2022: University of Toronto Faculty of Medicine; 2022.


EDITORIALS, MEDIA NEWS ARTICLES, PROCEEDINGS OF CONFERENCES

2021 Jul Podcast “American Legends in Rhinoplasty”. Society of Rhinoplasty Surgeons of South Africa (SORSSA). Interview by Dr. Cameron McIntosh, Port Elizabeth, South Africa.

PEER-REVIEWED PUBLICATIONS

ACG Case Reports Journal

ACTA Otorrinolaringologica Española (English Edition)

ACTA Otorhinolaryngologica Italiana

Advanced Science

American Journal of Otolaryngology

American Journal of Respiratory and Critical Care Medicine
American Journal of Surgical Pathology

Mathew EP, Todorovic E, Truong T, Dickson BC, Enepekides D, Poon I, Weinreb I.

Metatypical Adenoid Cystic Carcinoma: A Variant Showing Prominent Squamous Differentiation with a Predilection for the Sinonasal Tract and Skull Base.


Anesthesia

COVIDSurg Collaborative; GlobalSurg Collaborative.

SARS-CoV-2 Infection and Venous Thromboembolism After Surgery: An International Prospective Cohort Study.


COVIDSurg Collaborative; GlobalSurg Collaborative.


Annals of Otolaryngology, Rhinology and Laryngology

Grose EM, Cheng EY, Levin M, Philetos J, Lee JW, Monteiro EA.


Wu V, Lo N, Lin RJ, Zirkle M, Anderson J, Lee JM.

Admission of Patients with Obstructive Sleep Apnea Undergoing Ambulatory Surgery in Otolaryngology-Head and Neck Surgery.


Wu V, Samargandy S, Philetos J, Pasternak JD, de Almeida JR, Monteiro E.


Annals of Surgical Oncology


Stage Migration and Survival Trends in Laryngeal Cancer.


Siu J, Griffiths R, Noel CW, Austin PC, Pasternak J, Urbach D, Monteiro E, Goldstein DP, Irish JC, Sawk AM, Eskander A.

Surgical Case Volume has an Impact on Outcomes for Patients with Lateral Neck Disease in Thyroid Cancer.


Archives of Pathology and Clinical Research


A Novel Case of an Infantile Fibrosarcoma-like Tumor with KIA 1549-BRAF Translocation and an Oncogenic NF2p.Q459 SNV with Potential Clinical Significance.

Archives of Pathology and clinical Research., August 2021; 5:016-019.
Arquivos de Neuro-Psiquiatria
Dysphagia is a strong predictor of death and functional dependence at three months post-stroke.
Arq Neuropsiquiatr. 2022 May;80(5):462-468. PMID: 35195229.

Asian Cardiovascular and Thoracic Annals
Haranal M, Laks J, Cushing SL, Mazwi M, Jeewa A, Honjo O.
Relieving Bronchial Compression Due to Cardiomegaly: The Role of Aortopexy When Left Ventricular Assist Device Support Just Is Not Enough.

Audiology and Neurotology

BMC Cancer
The PRO-ACTIVE Trial Protocol: A Randomized Study Comparing the Effectiveness of PROphylACTic Swallow InterVEntion for Patients Receiving Radiotherapy for Head and Neck Cancer.

Cell-free DNA and Circulating Tumor Cell Kinetics in a Pre-clinical Head and Neck Cancer Model Undergoing Radiation Therapy.

BMC Health Services Research
Parimbelli E, Soldati F, Duchoud L, Armas GL, de Almeida J, Broglie M, Quaglini S, Simon C.
BMC Health Serv Res. 2021 Oct 29;21(1):1173. PMID: 34711226.

BMJ Open

British Journal of Anaesthesia
McIsaac DI, Gill M, Boland L, Hutton B, Branje K, Shaw J, Grudzinski AL, Barone N, Gillis C; Prehabilitation Knowledge Network.
Prehabilitation in Adult Patients Undergoing Surgery: An Umbrella Review of Systematic Reviews.  

Shaw JF, Mulpuru S, Kendzerska T, Moloo H, Martel G, Eskander A, Lalu MM, McIsaac DI. 
Association Between Frailty and Patient Outcomes After Cancer Surgery: A Population-based Cohort Study. 

Canadian Medical Association Journal

Parmar A, Eskander A, Sander B, Naimark D, Irish JC, Chan KKW. 

Canadian Urological Association Journal

Mukkala AN, Song JB, Lee M, Boasie A, Irish J, Finelli A, Wei AC. 
A Systematic Review and Meta-analysis of Unplanned Hospital Visits and Re-admissions Following Radical Prostatectomy for Prostate Cancer. 

Cancer

Eskander A, Marqueen KE, Edwards HA, Joshua AM, Petrella TM, de Almeida JR, Goldstein DP, Ferket BS. 
To Ban or Not to Ban Tanning Bed Use for Minors: A Cost-Effectiveness Analysis From Multiple US Perspectives for Invasive Melanoma. 


Clinical Presentation and Outcome of Human Papillomavirus-positive Nasopharyngeal Carcinoma in a North American Cohort. 

Longitudinal Health Utility and Symptom-Toxicity Trajectories in Patients with Head and Neck Cancers. 

Cancers (Basel)

Bahig H, Huang SH, O'Sullivan B. 
Oligometastatic Head and Neck Cancer: Challenges and Perspectives. 


Cancer Medicine


Cancer Reports


Cancer Research
Diverse Oncogenic Fusions and Distinct Gene Expression Patterns Define the Genomic Landscape of Pediatric Papillary Thyroid Carcinoma.

Case Reports in Ophthalmology
Cioana M, Ranalli PJ, Micieli JA.
Transient Visual Obscurations as the Presenting Symptom of Papilledema from COVID-19-Related Cerebral Venous Sinus Thrombosis.

Children – Basel
Wagner MW, Cushing SL, Tshuma M, Gordon KA, Ertl-Wagner BB, Vidarsson L.
Volumetric Analysis of Hearing-Related Structures of Brain in Children with GJB2-Related Congenital Deafness.

Clinical Cancer Research
Tumor-Naïve Multimodal Profiling of Circulating Tumor DNA in Head and Neck Squamous Cell Carcinoma.

Clinical Neurology and Neurosurgery
Zagzoog N, Zadeh G, Lin V, Yang VXD.
Perspective Review on Applications of Optics in Skull Base Surgery.

Clinical Oncology

Current Oncology
Assessing the Impact of the COVID-19 Pandemic on Emergency Department Use for Patients Undergoing Cancer-Directed Surgeries.
Current Otorhinolaryngology Reports

Pilar A, O’Sullivan B. & Huang SH.
Risk Stratification of HPV-Associated Oropharyngeal Squamous Cell Carcinoma: Are All Tumors Created Equally?

Diseases of the Colon & Rectum

Cheung DC, Muaddi H, de Almeida J, Finelli A, Karanicolas P.
Cost-Effectiveness Analysis of Negative Pressure Wound Therapy to Prevent Surgical Site Infection after Elective Colorectal Surgery.

Dysphagia

Perry BJ, Stipancic KL, Martino R, Plowman EK, Green JR.
Biomechanical Biomarkers of Tongue Impairment During Swallowing in Persons Diagnosed with Amyotrophic Lateral Sclerosis.

Ear and Hearing

Vestibular Perceptual Thresholds in Older Adults with and Without Age-related Hearing Loss.

The Relationship Between Disorders of Bone Metabolism and Benign Paroxysmal Positional Vertigo: A Systematic Review.
Ear Hear. 2021 Nov-Dec 01;42(6):1462-1471. PMID: 34010250.

Ear, Nose and Throat Journal

Shin D, Ma A, Chan Y.
A Retrospective Review of 589 Percutaneous Tracheostomies in a Canadian Community Teaching Hospital.

Endocrinology and Metabolism

Pace-Asciak P, Russell JO, Tufano RP.

European Archives of Oto-Rhino-Laryngology

Campisi ES, Reyna ME, Brydges M, Dubeau A, Moraes TJ, Campisi P, Subbarao P.
Adenotonsillecetomy, Bronchoscopy and Bronchoalveolar Lavage in the Management of Preschool Children with Severe Asthma: Pilot Study.

European Journal of Neuroscience

European Journal of Surgical Oncology

European Journal of Trauma and Emergency Surgery

Facial Plastic Surgery


Facial Plastic Surgery and Aesthetic Medicine
Frontiers in Cell and Developmental Biology
Thulasiram MR, Ogier JM, Dabdoub A.
Hearing Function, Degeneration, and Disease: Spotlight on the Stria Vascularis.

Frontiers in Endocrinology
Philteos J, Baran E, Noel E, Pasternak JD, Higgins KM, Freeman JL, Chiodo A, Eskander A.
Feasibility and Safety of Outpatient Thyroidectomy: A Narrative Scoping Review.

A Protocol for a Pan-Canadian Prospective Observational Study on Active Surveillance or Surgery for Very Low Risk Papillary Thyroid Cancer.

Frontiers in Human Neuroscience
Xiu B, Paul BT, Chen JM, Le TN, Lin VY, Dimitrijevic A.
Neural Responses to Naturalistic Audiovisual Speech are Related to Listening Demand in Cochlear Implant Users.

Frontiers in Oncology
Chiang CL, Guo Q, Ng WT, Lin S, Ma TSW, Xu Z, Xiao Y, Li J, Lu T, Choi HCW, Chen W, Chau ESC, Luk PHY, Huang SH, O’Sullivan B, Pan J, Lee AWM.
Front Oncol. 2021 Sep 2;11:703995. PMID: 34540670.

Davies JC, Husain Z, Day TA, Graboyes EM, Eskander A.
Perioperative Mortality Risk in Patients Undergoing Transoral Robotic Surgery for T1-T2 Oropharyngeal Squamous Cell Carcinoma: A National Cancer Database Study.

Augmented Reality and Intraoperative Navigation in Sinonasal Malignancies: A Preclinical Study.

Frontiers in Psychology
Every Story Is Different: Experiences With Body Changes Related to Cancer.
Front Psychol. 2022 May 23;13:831811. PMID: 35677121.

Frontiers in Surgery
Pace-Asciak P, Russell JO, Tufano RP.
Improving Voice Outcomes after Thyroid Surgery and Ultrasound-Guided Ablation Procedures.

Head and Neck
Barbon CEA, Yao CMKL, Alvarez CP, Goepfert RP, Fuller CD, Lai SY, Gross ND, Hutcheson KA.
Dysphagia profiles after primary transoral robotic surgery or radiation for oropharyngeal cancer: A registry analysis.

Radiologic-pathologic Correlation of Major versus Minor Extranodal Extension in Oral Cavity Cancer.


Stereotactic radiotherapy as planned boost after definitive radiotherapy for head and neck cancers: Systematic review.

Head and Neck Pathology
A Poorly Differentiated Non-keratinizing Sinonasal Squamous Cell Carcinoma with a Novel ETV6-TNFRSF8 Fusion Gene.

Health and Quality of Life Outcomes
Parimbelli E, Simon C, Soldati F, Duchoud L, Armas GL, de Almeida JR, Quaglini S.
Quality of Life and Health-related Utility After Trans-oral Surgery for Head and Neck Cancers.

**Hearing Research**

Jiwani S, Doesburg SM, Papsin BC, Gordon KA.
Effects of Long-Term Unilateral Cochlear Implant Use on Large-Scale Network Synchronization in Adolescents.

Tsai P, Wisener N, Papsin BC, Cushing SL, Gordon KA.
Toward a Method of Achieving Balanced Stimulation of Bilateral Auditory Nerves: Evidence from Children Receiving Matched and Unmatched Bilateral Cochlear Implants Simultaneously.

Hearing Loss Caused by CMV Infection is Correlated with Reduced Endocochlear Potentials Caused by Strial Damage in Murine Models.

**HNO**

James AL.
Totally Endoscopic Tympanic Membrane Repair.

**Hospital Pediatrics**

Association Between Corticosteroids and Outcomes in Children Hospitalized with Orbital Cellulitis.

**Human Mutation**

Further Delineation of Auriculocondylar Syndrome Based on 14 Novel Cases and Reassessment of 25 Published Cases.

**Insights into Imaging**

Ghai S, O’Brien C, Goldstein DP, Sawka AM; Canadian Thyroid Cancer Active Surveillance Study Group.
Ultrasound in Active Surveillance for Low-risk Papillary Thyroid Cancer: Imaging Considerations in Case Selection and Disease Surveillance.

**International Forum of Allergy and Rhinology**

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Development of a Self-directed Sinonasal Surgical Anatomy Video Curriculum: Phase 1 Validation.

Sampieri G, Namavarian A, Lee JJW, Hamour AF, Lee JM.
Hypothalamic-Pituitary-Adrenal Axis Suppression and Intranasal Corticosteroid Use: A Systematic Review and Meta-
Analysis.

International Journal of Cancer

Overgaard J.
Treatment Outcomes and Survival Following Deﬁnitive (Chemo)Radiotherapy in HPV-positive Oropharynx Cancer: Large-
scale Comparison of DAHANCA vs PMH Cohorts.

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Irish JC, Re F, Nicolai P, Russo D.
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Int J Mol Sci. 2022 Apr 20;23(9):4533. PMID: 35562923.

International Journal of Radiation Oncology Biology Physics

Ringash J.
Have We Tipped the Balance in HPV-Associated Oropharyngeal Cancer?: The Patient-Experience Side of the De-
Escalation Balance Scale.

JAMA Network Open

Fu G, Chazen RS, MacMillan C, Witterick IJ.
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Nodule Fine-Needle Aspiration Biopsy Specimens.

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Zuk V, Haas B, Mason S, Coburn NG, Hallet J;
Enhanced Supportive Psycho-oncology Canadian Care (ESPOC) Group. Incidence of and Factors Associated with Nonfatal
Self-injury After a Cancer Diagnosis in Ontario, Canada.
JAMA Netw Open. 2021 Sep 1;4(9):e2126822. PMID: 34559226.

JAMA Oncology

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**JAMA Otolaryngology-Head and Neck Surgery**


*Journal of Clinical Oncology*


*Journal of Endodontics*


*Journal of Immunology*


*Journal of International Advanced Otology*


Journal of Medical Systems
Surgical Tray Optimization: A Quality Improvement Initiative that Reduces Operating Room Costs.

Journal of Molecular Medicine
ASK1 is a Novel Molecular Target for Preventing Aminoglycoside-induced Hair Cell Death.

Journal of Neuro-Ophthalmology
Vosoughi AR, Streutker CJ, Yang SP, Lee JM, Micieli JA.
Pupil-Sparing Third Nerve Palsy and Papilledema Due to Granulomatosis with Polyangiitis.

Journal of Neurosurgery
Vergara Olmos G, Dabiri S, Rutka J.

Journal of Neurosurgical Surgery, Part B: Skull Base
Evaluating an Image-Guided Operating Room with Cone Beam CT for Skull Base Surgery.

Regional Recurrences and Hyams Grade in Esthesioneuroblastoma.

Journal of Oral and Maxillofacial Surgery
Sahovaler A, Ferrari M, Chan H, Ziai H, Gilbert R, Irish J.
Journal of Otolaryngology-Head & Neck Surgery

Cherukupalli A, Yong M, Chan Y, Desrosiers M, Thamboo A.

Dahm V, Lui JT, Liepins R, Chen JM, Le TN, Arnolder C, Lin VYW.


Hamour AF, Chen T, Cottrell J, Campisi P, Witterick IJ, Chan Y.


Journal of Parkinson’s Disease

Journal of Patient Experience
Using the Delphi Method to Elucidate Patient and Caregiver Experiences of Cancer Care.

Journal of Pediatrics
Factors Associated with Surgery and Imaging Characteristics in Severe Orbital Infections.

Journal of Pediatric Surgery
Sgro JM, Campisi ES, Selvam S, Greer MC, Alexander S, Ngan B, Campisi P.

Journal of Personalized Medicine
Association between Genetic Variants and Cisplatin-Induced Nephrotoxicity: A Genome-Wide Approach and Validation Study.

Journal of Speech, Language, Hearing and Hearing Research
Merrick G, Figol A, Anderson J, Lin RJ.
Outcomes of Gender Affirming Voice Training: A Comparison of Hybrid and Individual Training Modules.

Journal of Telemedicine and Telecare
Fu R, Sutradhar R, Li Q, Eskander A.
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Journal of the National Cancer Institute
de Almeida JR, Bratman SV, Hansen AR.
Screening for Nasopharyngeal Cancer in High-Risk Populations: A Small Price to Pay for Early Disease Identification?
Journal of the National Comprehensive Cancer Network

Incident Cancer Detection During the COVID-19 Pandemic.

Journal of Vestibular Research

Hassannia F, Misale P, Sulway S, Olmos GV, Dabiri S, Ranalli P, Rutka JA.
Effectiveness of vestibular rehabilitation therapy in patients with idiopathic Cerebellar Ataxia with Bilateral Vestibulopathy (iCABV).

Laryngoscope Investigative Otolaryngology

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Advance Care Planning in Adults with Oral Cancer: Multi-institutional Cross-sectional Study.
PMID: 34667844.

Molecular Therapy


Oral Oncology

Projected cutting guides using an augmented reality system to improve surgical margins in maxillectomies: A preclinical study.

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Refining TNM-8 M1 Categories with Anatomic Subgroups for Previously Untreated De Novo Metastatic Nasopharyngeal Carcinoma.

Inter-rater Concordance and Operating Definitions of Radiologic Nodal Feature Assessment in Human Papillomavirus-positive Oropharyngeal Carcinoma.
Placement Technique Impacts Gastrostomy Tube-related Complications Amongst Head and Neck Cancer Patients.

Outcome and Treatment Toxicity in East-Indian versus White-Canadian Patients with Oral Cavity Cancer Following Postoperative (Chemo-)radiotherapy Delivered Under Similar Multidisciplinary Care: A Propensity-Matched Cohort Study.

Kiong KL, Bell D, Yao CM, Ferrarotto R, Lewis CM.
Multifocal Regression and Pathologic Response Predicts Recurrence after Neoadjuvant Chemotherapy in Head and Neck Squamous Cell Carcinoma.

The Edmonton Symptom Assessment System: A Narrative Review of a Standardized Symptom Assessment Tool in Head and Neck Oncology.

Otolaryngologic Clinics of North America
Hazem M, Cushing SL.

Otolaryngology–Head and Neck Surgery
Cheng EY, Kim JH, Grose EM, Philteos J, Levin M, de Almeida J, Goldstein D.
Clinicopathological Predictors of Survival for Parotid Mucoepidermoid Carcinoma: A Systematic Review.

Goldstein DP, Blasco M, de Almeida J, Su J, Xu W, Cohen M, Sklar M, Alibhai S.
Cognitive Impairment and Delirium in Older Patients Undergoing Major Head and Neck Surgery.

Kim JH, Grose E, Philteos J, Forner D, Noel CW, Wu V, Eskander A.
Readability of the American, Canadian, and British Otolaryngology–Head and Neck Surgery Societies’ Patient Materials.

Outcomes in Pediatric Thyroidectomy: Results from a Multinational, Multi-institutional Database.

Construct Validity of the EuroQol-5 Dimension and the Health Utilities Index in Head and Neck Cancer.
Otolaryngology Manifestations of Primary Ciliary Dyskinesia: A Multicenter Study.

**Otology & Neurotology**

A Novel Instrument for Endoscopic Ear Surgery with a Steerable Flexible Tip: A Pediatric Anatomical Validation Study.

Quality Indicators for the Diagnosis and Management of Menière’s Disease.

Quality Indicators for the Diagnosis and Management of Sudden Sensorineural Hearing Loss.
Otol Neurotol. 2021 Sep 1;42(8):e991-e1000. PMID: 34049327.

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The Feasibility of Eustachian Tube Dilation with a Standard Endovascular Balloon: A Comparative Cadaver Study.

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Lee JWY, Hassannia F, Rutka JA.
Contralesional High-Acceleration Vestibulo-Ocular Reflex Function in Vestibular Schwannoma.
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Lui JT, Lee JJW, Ma Y, Dixon PR, Crowson MG, Dahm V, Shipp DB, Chen JM, Lin VY.
Glasgow Benefit Inventory in Cochlear Implantation: A Reliable Though Ancillary Quality of Life Metric.

Ranguis SC, Leonard CG, James AL.
Prospective Comparison of Pediatric Endoscopic Lateral Graft and Interlay Tympanoplasty.
Sharma SD, James AL.
The Influence of Ciprofloxacin-Dexamethasone Ear Drops on Perforation Closure Rates After Endoscopic Tympanoplasty.

Zawawi F, Papsin BC, Dell S, Cushing SL.
Vestibular and Balance Impairment Is Common in Children with Primary Ciliary Dyskinesia.

**Paediatrics & Child Health**

Asim A, Jeong D, Honigman T, Smith J, Campisi P.
An Unusual Case of Stridor in the Newborn.

Hammour AF, Ostrow O, James AL, Wolter NE.
Practical Tips for Paediatricians: Esophageal button Battery Impaction in Children.

**Pediatric and Developmental Pathology**

Prevost AS, Bannoura S, Ngan BY, Siu JM, Ziai H, Campisi P.
Pseudodiverticulum of the Cervical Esophagus with Remnant of Branchial Tissues in a Newborn: A Case Report.

**Pediatric Pulmonology**


**Plastic and Reconstructive Surgery – Global Open**

Sharafi M, Adamson PA.

**Plastic Surgery**

Levin M, Ziai H, Roskies M.
Modalities of Post-Rhinoplasty Edema and Ecchymosis Measurement: A Systematic Review.

**PLoS One**

Paul BT, Chen J, Le T, Lin V, Dimitrijevic A.
Cortical Alpha Oscillations in Cochlear Implant Users Reflect Subjective Listening Effort During Speech-In-Noise Perception.
Prenatal Diagnosis


Radiotherapy and Oncology

Radiographic-anatomy, Natural History and Extension Pathways of Parotid and Submandibular Gland Cancers.  

Prognostic Importance of Radiologic Extranodal Extension in Nasopharyngeal Carcinoma Treated in a Canadian Cohort.  

Identifying Optimal Clinical Trial Candidates for Locoregionally Advanced Nasopharyngeal Carcinoma: Analysis of 9468 Real-world Cases and Validation by two Phase 3 Multicentre, Randomised Controlled Trial.  

Stereotactic Body Radiotherapy for Head and Neck Skin Cancer.  

Scientific Reports

Gabriel GA, Harris LR, Gnanasegaram JJ, Cushing SL, Gordon KA, Haycock BC, Campos JL.  
Age-related changes to vestibular heave and pitch perception and associations with postural control.  

Misale P, Hassannia F, Dabiri S, Brandstaetter T, Rutka J.  
Post-traumatic Peripheral Vestibular Disorders (Excluding Positional Vertigo) in Workers Following Head Injury.  

Expert Surgeons and Deep Learning Models Can Predict the Outcome of Surgical Hemorrhage from 1 min of Video.  

Paul BT, Bajin MD, Uzelac M, Chen J, Le T, Lin V, Dimitrijevic A.  
Evidence of Visual Crossmodal Reorganization Positively Relates to Speech Outcomes in Cochlear Implant Users.  
Seminars in Hearing
Gordon KA, Papsin BC, Papaioannou V, Cushing SL.
The Importance of Access to Bilateral Hearing through Cochlear Implants in Children.

Sleep Medicine
Positional Device Therapy for the Treatment of Positional Obstructive Sleep Apnea in Children: A Pilot Study.

Systematic Reviews
Manduchi B, Che Z, Fitch MI, Ringash J, Howell D, Martino R.

The Journal for ImmunoTherapy of Cancer

The Lancet Oncology
Elective Upper-neck Versus Whole-neck Irradiation of the Uninvolved Neck in Patients with Nasopharyngeal Carcinoma: An Open-label, Non-inferiority, Multicentre, Randomised Phase 3 Trial.

The Laryngoscope
Prospective, Multi-Center Study of the Anatomic Distribution of Recurrent Respiratory Papillomatosis.

Hearing Instability in Children with Congenital Cytomegalovirus: Evidence and Neural Consequences.


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

Receiving Long-Term Disability or Pursuing a Legal Claim May Prevent Recovery from Chronic Dizziness.

RNA Sequencing and Pathways Analyses of Middle Ear Epithelia from Patients with Otitis Media.

Staibano P, Forner D, Noel CW, Zhang H, Gupta M, Monteiro E, Sawka AM, Pasternak JD, Goldstein DP, de Almeida JR.
Ultrasonography and Fine-Needle Aspiration in Indeterminate Thyroid Nodules: A Systematic Review of Diagnostic Test Accuracy.

Thomas CM, Sklar MC, Su J, Xu W, de Almeida JR, Alibhai SMH, Goldstein DP.
Longitudinal Assessment of Frailty and Quality of Life in Patients Undergoing Head and Neck Surgery.

Ziai H, Dixon P, Berman G, Campisi P, Wasserman JD.
Incidental Parathyroidectomy Among Pediatric Patients Undergoing Thyroid Surgery.

The Oncologist

Huang SH, Koyfman S, O'Sullivan B.
Unfinished Business in Classifying HPV-Positive Oropharyngeal Carcinoma: Identifying the Bad Apples in a Good Staging Barrel.
Oncologist. 2022 Feb 3;27(1):4-6. PMID: 35305091.

Thyroid

A Quantitative Analysis Examining Patients’ Choice of Active Surveillance or Surgery for Managing Low-Risk Papillary Thyroid Cancer.

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.


Virchows Archiv: European Journal of Pathology

World Journal of Surgery

World Journal of Otorhinolaryngology-Head and Neck Surgery

World Neurosurgery

Non-Peer-Reviewed Publications
Presentations
## INTERNATIONAL MEETINGS

### AFRICA

**HUANG, S**  
**2022 Mar**  
Invited Speaker. IMRT for Head and Neck Cancer: IMRT delivery. Ethiopia Radiotherapy Teaching Course (Virtual).

### AUSTRALIA

**HIGGINS, K**  
**2022 Jun**  
Invited Lecturer. Australian Society of Otolaryngology Head and Neck Surgery 72nd Annual Scientific Meeting.

### BRAZIL

**CUSHING, S**  
**2022 Jun**  

**2022 Jun**  

### CHINA

**HUANG, S**  
**2022 Feb**  

**2022 Feb**  

**2022 Feb**  

**2022 Feb**  

**2022 Feb**  
INTERNATIONAL MEETINGS (continued)


COLOMBIA

GANTOUS, A


2021 Jul  Invited International Faculty. The Spare Roof Technique. Congreso de Otorrinolaringologia ACORL 60 años. Cartagena, Colombia.

2021 Jul  Invited International Faculty. Incisionless Otoplasty. Congreso de Otorrinolaringologia ACORL 60 años. Cartagena, Colombia.

EGYPT

JAMES, A


INTERNATIONAL MEETINGS (continued)

FRANCE

GANTOUS, A


DE ALMEIDA, J


PAPSIN, B
2021 Nov  Invited Faculty. Complicated Cochlear Reimplantation. European Society of Pediatric Otorhinolaryngology, Marseille, France.

INDIA

GORDON, K

2021 Nov  Invited Keynote Speaker. Outcome Measures of Cochlear Implants, All India Institute of Speech and Hearing Audiology Convention (Virtual).

IRELAND

HIGGINS, K
### ITALY

**ADAMSON, P**

2022 Mar  

**LIN, V**

2021 Sept  

**PAPSIN, B**

2021 Oct  
Invited Faculty 1) Understanding the Impact of cCMV on Hearing in 3 D’s and 2) Hearing, Balance and Asymmetric Labyrinthine Deficits in cCMV. 2nd Congenital CMV Conference, Rome Italy.

### SAUDI ARABIA

**PAPSIN, B**

2021 Jul  

### SPAIN

**CUSHING, S**

2022 May  
Moderator(s): Widdershoven J, Panellist(s): Maes L, Cushing SL, Wiener-Vacher S, Widdershoven J.

### SWITZERLAND

**GANTOUS, A**

2022 Mar  
Faculty. Preservation Rhinoplasty, Is it Worth the Change? The European Ski Meeting. Klosters, Switzerland.

2022 Mar  
Faculty. Otoplasty, My Preferred Technique. The European Ski Meeting. Klosters, Switzerland.
# INTERNATIONAL MEETINGS (continued)

## UNITED ARAB EMIRATES

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<th>Speaker</th>
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## UNITED KINGDOM

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<th>Speaker</th>
<th>Event Description</th>
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<tbody>
<tr>
<td>DE ALMEIDA, J</td>
<td>Invited Speaker. FIND Trial: Management of the Unknown Primary. ENT UK Head and Neck Unknown Primary Conference. Leeds/London, United Kingdom.</td>
</tr>
<tr>
<td></td>
<td>Invited Speaker. Health Utilities: Integrating Quality of Life into Medical Decision Making for Head and Neck Cancer. Quality of Life in Head and Neck Cancer: 12th International Conference. Liverpool, United Kingdom.</td>
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## UNITED STATES

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<th>Speaker</th>
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<tbody>
<tr>
<td>CHEN, J</td>
<td>Guest Professor Lecture. The Ontario Cochlear Implant Program-Lessons Learned Within a Public Healthcare System. Harvard Medical School, Massachusetts General Hospital (MEEI).</td>
</tr>
<tr>
<td>DABDOUB, A</td>
<td>Novel Therapeutic and Delivery Strategies for Primary Auditory Neuron Degeneration. Kresge Hearing Research Institute, University of Michigan. Ann Arbor MI.</td>
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</table>
INTernational meetings (continued)


De Almeida, J


2022 Dec Invited Speaker. FIND Trial: Finding and Identifying Primary Oropharyngeal Cancers in Patients with Neck Disease, a Phase 2 Trial. Multidisciplinary Head and Neck Symposium. Lurie Cancer Center, Northwestern School of Medicine. Chicago IL.


2022 Jul Presenter. SPARE Trial: Sparing Pharyngeal Radiation with Transoral Lingual Tonsillectomy vs. Selective Pharyngeal RT: A Phase II randomized trial. NRG Summer Meeting 2022: Head and Neck Surgical Sub-committee meeting. Chicago, IL.


Dimitrijevic, A
2022 Feb Online Assessment of Working Memory and Speech Perception: Relations to Quality of Life in Cochlear Implant Users. Association for Research in Otolaryngology. San Jose, CA.

Enepekides, D

Eskander, A
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<th>Date</th>
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<tbody>
<tr>
<td>GANTOUS, A</td>
<td>Faculty and Course Co-Chair. Dorsal Augmentation Panel. Advances in Rhinoplasty – Facial Rejuvenation, Master the Techniques. Miami, FL.</td>
<td>Florida</td>
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<tr>
<td>2022 May</td>
<td>Faculty and Course Co-Chair. Dorsal Grafts, Which and When. Advances in Rhinoplasty – Facial Rejuvenation, Master the Techniques. Miami, FL.</td>
<td>Florida</td>
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<tr>
<td>2022 Apr</td>
<td>Invited Speaker, Effects of COVID-19 Lockdowns on Real World Listening Environments in Children Using Cochlear Implants: Evidence from Datalogging Systems, 45th Mid-Winter Meeting of the Association for Research in Otolaryngology, San Jose CA.</td>
<td>California</td>
</tr>
<tr>
<td>IRISH, J</td>
<td>Moderator. Development of Survivorship Programs. ASCO Multidisciplinary Head and Neck Cancers Symposium. Phoenix, AZ.</td>
<td>Arizona</td>
</tr>
<tr>
<td>LIN, RJ</td>
<td>Moderator. Basic Science in Laryngology. Annual Meeting of American Laryngological Association at COSM, Dallas, TX.</td>
<td>Texas</td>
</tr>
<tr>
<td>URUGUAY</td>
<td>GORDON, K Invited Keynote Speaker. 1) Effects of Age of Cochlear Implantation in Children with Short Durations of Single Sided Deafness; 2) Developmental Plasticity in Children with Hearing Loss in one or Both Ears. GICCA 2022 meeting, Punta del Este, Uruguay.</td>
<td>Uruguay</td>
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## International Meetings (continued)

### Virtual

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<th>Name</th>
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<tr>
<td>ADAMSON, P</td>
<td>2022</td>
<td>Invited Speaker. The Bangalore FRCSIT Facial Plastic Surgery Course.</td>
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<td>Life Lessons Learned as a Facial Plastic Surgeon, IFFPSS International Fellowship Programs (Virtual).</td>
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<td>2021</td>
<td>Invited Speaker. Pediatric Head and Neck Tumours Causing Airway Compromise and the Role of Fetal and Perinatal Intervention. Bambino Gesu Hospital, ENT &amp; Friends. Rome, Italy (Virtual).</td>
</tr>
<tr>
<td>CHAN, Y</td>
<td>2021</td>
<td>Invited Speaker. Biologics in the Upper Airways Update. EAACI International Conference 2021 (Virtual).</td>
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<td>2022</td>
<td>Invited Speaker. Decibel Therapeutics GJB2 Symposium. Genotype/Phenotype (Virtual).</td>
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<td>2022</td>
<td>Invited Speaker. Pediatric Considerations in Osia Surgery. OSIA Surgical Symposia (Virtual).</td>
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INTERNATIONAL MEETINGS (continued)


2022 Jan  Keynote Speaker. What Cochlear Implants Have Taught Us About the Developing Vestibular System. Israeli Speech, Hearing & Language Association (Virtual).


DE ALMEIDA, J


2022 Feb  Presenter. SPECT-CT guided treatment of the contralateral neck in lateralized oropharynx cancer. NRG surgical sub-committee meeting, Virtual.

INTERNATIONAL MEETINGS (continued)

ENEPEKIDES, D

ESKANDER, A


GANTOUS, A
2021 Nov International Faculty. Technical Approach to Upper and Lower Blepharoplasty. XXXI Mexican Congress of Rhinology and Facial Plastic Surgery (Virtual).


IRISH, J


JAMES, A


PAPSIN, B
### INTERNATIONAL MEETINGS (continued)

**WITTERICK, I**

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<th>Year</th>
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<tr>
<td>2022 Apr</td>
<td>Co-Moderator. MTC and RET. World Congress on Thyroid Cancer 2022 (Virtual).</td>
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<tr>
<td>2021 Sept</td>
<td>Invited Speaker and Discussant. Leadership: What is in it for me? 14th International Montreal Pediatric Otolaryngology Congress (Virtual).</td>
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### NATIONAL MEETINGS

**MANITOBA**

**LE, T**

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<th>Year</th>
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<tr>
<td>2021</td>
<td>Invited Speaker. Therapeutic Delivery to the Inner Ear. Department of Otolaryngology Head &amp; Neck Surgery Grand Round, University of Manitoba, Winnipeg, MB.</td>
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**QUEBEC**

**PROPST, E**

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<tr>
<td>2021 Sept</td>
<td>Invited Speaker. Length of the Cricoid and Trachea in Children: Predicting Intubation Depth to Prevent Subglottic Stenosis. 14th International Montreal Pediatric Otolaryngology Congress: Festschrift in honour of Dr. Melvin Schloss.</td>
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**VIRTUAL**

**CAMPISI, P**

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<tr>
<td>2021 Sept</td>
<td>Invited Speaker. Fetal Intervention: The Next Frontier in Pediatric Otolaryngology. 14th International Montreal Pediatric Otolaryngology Congress (Festschrift in Honour of Dr. Melvin D. Schloss). Montreal, QC (Virtual).</td>
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</tbody>
</table>
**CHAN, Y**  


**CUSHING, S**  


**DE ALMEIDA, J**  

**ESKANDER, A**  

**GOODEN, E**  
2022 Sept  Panellist. Equity Diversity and Inclusion in Otolaryngology. Canadian Society Otolaryngology Meeting (Virtual).

**GORDON, K**  

**GOULDING, G**  
2022 Mar  Invited Speaker. Pediatric Cochlear Implantation at The Hospital for Sick Children. York University, Teacher of the Deaf & Hard of Hearing Program. Toronto, ON.

**HASSOUNEH, B**  

**LEE, J**  
2022 Oct  Invited Speaker. Dupixent ENT National Advisory Board Meeting 2021, Sanofi Regeneron, Canada (Virtual).

**MARTINO, R**  
### NATIONAL MEETINGS (continued)

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**SMILSKY, K**

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**WITTERICK, I**

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<tr>
<td>2021 Sept</td>
<td>Presidential Address. 75th Annual Meeting of the CSO-HNS (Virtual).</td>
</tr>
</tbody>
</table>

### PROVINCIAL/LOCAL MEETINGS

**CHAN, Y**

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>2022 Mar</td>
<td>Invited Speaker. An Otolaryngology Primer for Dentists. York Region Practical Dental Study Club (Virtual).</td>
</tr>
<tr>
<td>2022 Mar</td>
<td>Invited Speaker. Otolaryngology – How are We Improving the Lives of the Patients We Serve? University of Toronto Department of Otolaryngology – Head &amp; Neck Surgery Grand Rounds (Virtual).</td>
</tr>
</tbody>
</table>
PROVINCIAL/LOCAL MEETINGS (continued)

2022 Feb  Invited Speaker. A Patient’s Thyroid Surgery Journey with an Otolaryngologist. St. Michael’s Hospital Family Medicine Grand Rounds (Virtual).

2021 Dec  Invited Speaker. Common Otolaryngology Procedures & Surgical Post op Care. Fall SMH Nursing Education Week. St. Michael’s Hospital.


2021 Sept Invited Speaker. A Patient’s Thyroid/Parathyroid Surgery Journey with the Otolaryngologist. St. Michaels’ Hospital Division of Endocrinology Rounds (Virtual).

CUSHING, S


2022 Apr  Invited Speaker. Hearing Loss and Implantable Devices. Fellowship Study Course, Department of Otolaryngology, Head & Neck Surgery. University of Toronto (Virtual).

2022 Feb  Invited Speaker. “I have a child with hearing loss, what is the workup?”. University of Toronto OtoUpdate 2022 (Virtual).


DABDOUB, A

2021  Biomarker Diagnostics and Hearing Protection. MedEL. Toronto, ON.

DAVIES, J

2021 Nov  Invited Speaker. From the South to the North: Lessons Learned from Fellowship Training and a Discussion Regarding Transoral Robotic Surgery Perioperative Mortality. Department of Otolaryngology-Head & Neck Surgery Grand Rounds.

ENEPEKIDES, D

2021 Nov  Invited Professor. Quality in Surgical Oncology … by the numbers. 79th Annual Herbert S. Birkett Memorial Lecture, Dept. Otolaryngology-Head and Neck Surgery, McGill University, Montreal QC.

ESKANDER, A

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>Details</th>
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<tbody>
<tr>
<td>2022 May</td>
<td>Invited Discussant. Julian F. Daza et al., Duminda N. Wijeysundera. Improved Re-Estimation of Perioperative Cardiac Risk using the Surgical Apgar Score: A Retrospective Cohort Study. 48th Annual Gallie Day. Department of Surgery, University of Toronto. Toronto, ON.</td>
<td></td>
</tr>
<tr>
<td>LE, T</td>
<td>Panellist. Salivary Case Presentations and Management Discussion. Grand Rounds, Department of Otolaryngology-Head &amp; Neck Surgery, University of Toronto.</td>
<td></td>
</tr>
<tr>
<td>2021</td>
<td>Invited Speaker. Treatment of cisplatin ototoxicity. Hematology Grand Round, University of Toronto, Toronto, ON.</td>
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<tr>
<td>2022 Jun</td>
<td>Invited Speaker. An Interactive Case Based Discussion on the Use of Biologics to Treat CRSwNP. Windsor Otolaryngology Group, Sanofi Regeneron, Ontario (Virtual).</td>
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<tr>
<td>2022 May</td>
<td>Invited Speaker. An Interactive Case Based Discussion on the Use of Biologics to Treat CRSwNP.</td>
<td>North York General Hospital Otolaryngology Group, Sanofi Regeneron, Toronto, ON.</td>
</tr>
<tr>
<td>2022 Apr</td>
<td>Invited Speaker. The Division of Rhinology: What Have We Been Up to These Past 5 Years?</td>
<td>University of Toronto Otolaryngology-Head &amp; Neck Surgery Grand Rounds, Toronto, ON (Virtual).</td>
</tr>
<tr>
<td>2021 Dec</td>
<td>Invited Speaker. An Interactive Case Based Discussion on the Use of Biologics to Treat CRSwNP.</td>
<td>Guelph/Cambridge Otolaryngology Group, Sanofi Regeneron, Ontario (Virtual).</td>
</tr>
<tr>
<td>2021 Sept</td>
<td>Invited Speaker. An Interactive Case Based Discussion on the Use of Biologics to Treat CRSwNP.</td>
<td>Brampton Respirology Journal Club. Sanofi Regeneron, Brampton, ON (Virtual).</td>
</tr>
<tr>
<td>LIN, RJ</td>
<td>2022 May</td>
<td>Invited Speaker. Common Laryngological Conditions. Department of General Internal Medicine, Unity Health Toronto St. Michael’s Hospital, Toronto, ON.</td>
</tr>
<tr>
<td>2022 Apr</td>
<td>Invited Faculty. Will the Real Laryngitis Please Stand Up?</td>
<td>Department of Family and Community Medicine, University of Toronto, Toronto, ON.</td>
</tr>
<tr>
<td>MARTINO, R</td>
<td>2021 Nov</td>
<td>Dysphagia Interventions for Patients with Head and Neck Cancer. ENT Fellows, University of Toronto, Toronto, ON.</td>
</tr>
<tr>
<td>2021 Nov</td>
<td>Invited Lecturer. HPV Head &amp; Neck Cancers: We Need a Control Strategy Now.</td>
<td>Consortium for Infectious Disease Control (Virtual).</td>
</tr>
</tbody>
</table>
XU, J

2021 Dec  Invited Faculty: Challenges in Surgical Management of Adult Obstructive Sleep Apnea. University of Toronto Department of Otolaryngology-Head and Neck Surgery Grand Rounds. Toronto, ON.


# Papers Presented at Conferences/Society Meetings

## INTERNATIONAL MEETINGS

### SPAIN

<table>
<thead>
<tr>
<th>Author</th>
<th>Date</th>
<th>Title</th>
<th>Meeting Details</th>
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</thead>
<tbody>
<tr>
<td>CUSHING, S</td>
<td>2022 May</td>
<td>Concepts and Physiological Aspects of Stimulating the Vestibular System.</td>
<td>XXXI Barany Society Meeting, Madrid Spain.</td>
</tr>
</tbody>
</table>

### UNITED STATES

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<tr>
<th>Author</th>
<th>Date</th>
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<th>Meeting Details</th>
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<tbody>
<tr>
<td></td>
<td>2022 Feb</td>
<td>Neural Correlates of Auditory Streaming in CI Users Are Related to Everyday Listening Experiences. Association for Research in Otolaryngology.</td>
<td>San Jose, CA.</td>
</tr>
<tr>
<td></td>
<td>2022 Feb</td>
<td>Neural Correlates of Auditory Working Memory in CI Users. Association for Research in Otolaryngology.</td>
<td>San Jose, CA.</td>
</tr>
</tbody>
</table>

2022 Jun

2022 Apr
Eskander A. Surgeon Thyroidectomy Case Volume Impacts Disease Free Survival in the Management of Well Differentiated Thyroid Carcinoma. Triological Society – Combined Sections Meeting, Dallas, TX.

2022 Mar

2022 Mar

2022 Mar

GORDON, K
2022 May

HAZEN, M
2021 Jul

LEE, J
2021 Oct 2
Lee JJW, Hamour AF, Monteiro E, Lee JM, Vescan A. Chronic Rhinosinusitis Mouse Model. American Rhinologic Society Annual Meeting, Los Angeles, CA.

LIN, V
2022 May

2022 May
Lee M, Lin, V. Use of Geographically Weighted Poisson Regression to Examine Spatial Varying Influences on Adult Cochlear Implantation Within a Universal Healthcare System. CI2022 DC Emerging Issues in Cochlear Implantation. Washington DC.
INTERNATIONAL MEETINGS (continued)

2022 May  Bajin D, Lin, V. Cross-Modal Plasticity is Positively Correlated to Speech in Noise Performance in Cochlear Implant Users. CI2022 DC Emerging Issues in Cochlear Implantation. Washington DC.

MARTINO, R


PROBST, E


2022 Jul  Li C, Propst EJ, Wolter NE. Morbidity and Mortality Following Tonsillectomy for Obstructive Sleep Apnea in Children with Cerebral Palsy. American Society for Pediatric Otolaryngology Annual Summer Meeting. Denver, CO.


SMILSKY, K

WITTERICK, I

WOLTER, N


VIRTUAL

ESKANDER, A


GORDON, K
2022 Feb Alemu RZ, Blakeman AW, Negandhi J, Cushing SL, Papsin BC, Gordon KA. The Effects of Age on Outcomes of Cochlear Implant Use in Children and Adolescents with Short Durations of Single-Sided Deafness. 45th Mid-Winter Meeting of the Association for Research in Otolaryngology, poster presentation (Virtual).

2022 Feb Benjamin RS, Cushing SL, Blakeman AW, Campos JL, Papsin, BC, Gordon KA. Examining Balance, Cognitive Load and an Auditory Balance Device in Children and Young Adults with Cochleovestibular Loss. 45th Mid-Winter Meeting of the Association for Research in Otolaryngology, poster presentation (Virtual).


MARTINO, R


# NATIONAL MEETINGS

## VANCOUVER

<table>
<thead>
<tr>
<th>Author</th>
<th>Date</th>
<th>Title</th>
<th>Conference</th>
<th>Location</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>Higgins, KM, Chandarana, S, Johnson-Obaseki, S, Nichols, A, Prisman, E, Truong, T, Peres-Ordonez, B. Surgical Margins: Guidelines and Consensus Conference, Where are We and Where are We Going?</td>
<td>The Canadian Society of Otolaryngology–HNS 76th Annual Meeting.</td>
<td>Vancouver, BC.</td>
</tr>
</tbody>
</table>


NATIONAL MEETINGS (continued)

2021 Sept  Cherukupalli A., Yong M, Chan Y, Thamboo A. Barriers to Care for Complex Airway Disease and Multidisciplinary Solutions to Optimizing Therapy in Canada. Canadian Society of Otolaryngology 75th Annual Meeting (Virtual).

ESKANDER, A


NATIONAL MEETINGS (continued)


LEE, J  


PROPS, E  

WOLTER, N  


XU, J  

PROVINCIAL/LOCAL MEETINGS

CHAN, Y  

DIMITRIJEVIC, A  
<table>
<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>ESKANDER, A</td>
<td>2022 Feb</td>
<td>Du Y, Smoragiewicz M, Eskander A. Nivolumab for Recurrent or Metastatic Head and Neck Squamous Cell Carcinoma. University of Toronto Medical Student Research Day. Toronto, ON (Virtual).</td>
<td>University of Toronto Medical Student Research Day. Toronto, ON (Virtual).</td>
<td></td>
</tr>
<tr>
<td>MARTINO, R</td>
<td>2022 Jun</td>
<td>Hutcheson, KA, Martino R. Using TIDieR to Standardize and Monitor Swallowing Therapy Fidelity in the Multi-site PRO-ACTIVE Clinical Trial for Dysphagia in Head and Neck Cancer. Multinational Association of Supportive Care in Cancer. Toronto, ON.</td>
<td>Multinational Association of Supportive Care in Cancer. Toronto, ON.</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Manduchi, B, Fitch, M, Ringash, J, Howell, D, Martino, R. Facilitators and Barriers to Implementation of Swallowing Therapies for Head and Neck Cancer Patients: Preliminary Results from a Qualitative Study. Multinational Association of Supportive Care in Cancer. Toronto, ON.</td>
<td>Multinational Association of Supportive Care in Cancer. Toronto, ON.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2022 May</td>
<td>Martino R, Garcia RJ, Ringash J, Fitch M, de Almeida JR, Longo C. Incurred Costs in Patients with Head and Neck Cancer Treated with Radiotherapy Canadian Centre for Applied Research in Cancer Control, Toronto, ON.</td>
<td>Multinational Association of Supportive Care in Cancer. Toronto, ON.</td>
<td></td>
</tr>
<tr>
<td>WOLTER, N</td>
<td>2022 May</td>
<td>Akinkugbe O, McKinnon NK, Wolter, NE. Vascular Complications in Children Following Button Battery Ingestion: A Systematic Review. POS Research and Clinical Competition, Hospital for Sick Children, University of Toronto, Toronto, ON.</td>
<td>POS Research and Clinical Competition, Hospital for Sick Children, University of Toronto, Toronto, ON.</td>
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