## 2022-23 Academic Year

<table>
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<tr>
<th><strong>#</strong></th>
<th><strong>860</strong></th>
<th><strong>ALUMNI</strong> worldwide</th>
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<tr>
<td><strong>9</strong></td>
<td><strong>ENDOWED CHAIRS</strong></td>
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<tr>
<td><strong>6</strong></td>
<td><strong>MOSHER AWARDS</strong> (since 1964)</td>
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<tr>
<td><strong>17</strong></td>
<td><strong>FULL PROFESSORS</strong></td>
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<tr>
<td><strong>13</strong></td>
<td><strong>ASSOCIATE PROFESSORS</strong></td>
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<td><strong>28</strong></td>
<td><strong>ASSISTANT PROFESSORS</strong></td>
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<td><strong>66</strong></td>
<td><strong>LECTURERS</strong></td>
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<td><strong>9</strong></td>
<td><strong>FULLY AFFILIATED</strong></td>
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<td><strong>6</strong></td>
<td><strong>ASSOCIATE</strong></td>
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<td><strong>27</strong></td>
<td><strong>RESIDENTS</strong></td>
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<td><strong>27</strong></td>
<td><strong>FELLOWS</strong></td>
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<tr>
<td><strong>16</strong></td>
<td><strong>BOOK CHAPTERS</strong></td>
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<tr>
<td><strong>197</strong></td>
<td><strong>PEER-REVIEWED PUBLICATIONS IN 96 JOURNALS</strong></td>
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<tr>
<td><strong>$27,959,412 CAD</strong></td>
<td><strong>IN GRANTS</strong></td>
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<tr>
<td><strong>43</strong></td>
<td><strong>MEDIAN H-INDEX OF 43 FOR FULL-TIME FACULTY WITH 20 YEARS OF RESEARCH EXPERIENCE</strong></td>
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<tr>
<td><strong>288</strong></td>
<td><strong>PRESENTATIONS BY FACULTY</strong></td>
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<tr>
<td><strong>22</strong></td>
<td><strong>INVITED GUESTS &amp; VISITING PROFESSORS: 22</strong></td>
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Department of Otolaryngology—Head & Neck Surgery

Professor and Chair
Vice-Chair Education
Director of Postgraduate Education
Assistant Program Director
Director of Undergraduate Medical Education
Director of Continuing Professional Development
Liaison, Community Academic Faculty
Vice-Chair Research
Director, Sleep Medicine

Dr. Danny Enepekides
Dr. Yvonne Chan
Dr. Vincent Lin
Dr. Eric Monteiro
Dr. Ambrose Lee
Dr. Yvonne Chan
Dr. Janet Chung
Dr. Alain Dabdoub
Dr. Raymond Ng

Otolaryngologists-in-Chief

Hospital for Sick Children
Michael Garron Hospital
North York General Hospital
Sinai Health
Sunnybrook Health Sciences Centre
Trillium Health Partners
Unity Health Toronto - St. Joseph’s Health Centre
Unity Health Toronto - St. Michael’s Hospital
University Health Network

Dr. Blake Papsin
Dr. Bradley Hubbard (interim)
Dr. Everton Gooden
Dr. Ian J. Witterick
Dr. Danny Enepekides
Dr. Janet Chung (interim)
Dr. Andres Gantous
Dr. Yvonne Chan
Dr. Ralph Gilbert

Division Heads

Audiology
Facial Plastic and Reconstructive Surgery
General Otolaryngology
Head and Neck Oncology and Reconstructive Surgery
Laryngology
Otology-Neurotology
Rhinology

Ms. Vicky Papaioannou
Dr. Andres Gantous
Dr. Janet Chung
Dr. Jonathan Irish
Dr. R. Jun Lin
Dr. Adrian James
Dr. John Lee

Committee Chair Holders

Executive
Undergraduate
Residency Program
Continuing Professional Development
Research
Department Appointments
Department Promotions
Budget Advisory
Community Academic Faculty
Advancement
Quality and Safety

Dr. Danny Enepekides
Dr. Ambrose Lee
Dr. Vincent Lin
Dr. Yvonne Chan
Dr. Alain Dabdoub
Dr. Kevin Higgins
Dr. Karen Gordon
Dr. Danny Enepekides
Dr. Janet Chung
Vacant
Dr. Praby Singh
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.
I am so extremely proud to share with you the 2022-2023 annual report for our great department. This has been a time of transition. After ten transformative years of leadership, our past chair Dr. Ian Witterick completed his second term. Under his stewardship our department flourished and achieved unprecedented success. Together with our immediate past program director, Dr. Paolo Campisi, Dr. Witterick established our training program as one of the best in the world. The department has witnessed extraordinary levels of external peer-reviewed grant funding, produced impactful leaders for many of our specialty’s most important societies, trained over 200 national and international fellows in all areas of the specialty, and established itself as one of the finest residency programs in the world. I am truly humbled and honoured to assume George and Helen Vari Chair of Otolaryngology–Head & Neck Surgery and will do my utmost on your behalf to build upon their remarkable success.

The outstanding achievements highlighted in the pages of this report are made possible by the tremendous efforts of our faculty, fellows, residents, and learners and also by the sacrifice and commitment of our Departmental Executive. In order to give all of our subspecialties a voice and equal representation we established an expanded divisional model for the executive. In doing so, new divisions of otology/neuro-otology, laryngology, and general otolaryngology joined the already established divisions of head and neck oncology and reconstructive surgery, pediatrics, rhinology, facial plastic and reconstructive surgery, and audiology. Additionally, the department established an equity, diversity and inclusion committee and we look forward to its contributions. I am truly grateful and indebted to all those who serve on our dynamic executive.

As of 2022-2023, the department has 17 full professors, 13 associate professors, 28 assistant professors, 66 lecturers, 27 remarkable residents, and 27 fellows. This talented community continues to make our department one of the largest in North America. We have 9 and endowed chairs and more than 860 alumni around the world. Together our extended departmental family is leading innovation and achieving impact globally.

The 2022-2023 academic year has again been a time of remarkable productivity for faculty, residents and fellows. Over the last year our department has published 16 book chapters, 197 peer-reviewed publications in 96 journals, secured almost $28 million in peer-reviewed grant funding and given over 280 invited presentations. We successfully promoted two faculty to full professor and three faculty to associate professor. Additionally, we welcomed two new assistant professors and four lectures to our faculty. The department’s scholarly impact continues to grow: The median H-index for full-time faculty with 20 years of research experience increased to 43, placing these individuals in the “great” category. As always, we should be proud of the fact that our department is home to six Mosher Research Award winners. No other department of Otolaryngology–Head and Neck Surgery in North America has more.

Our department continues to provide leadership to the specialty at all levels. This academic year was no exception. The incredible list of leadership activities carried out by our faculty is included for your review. I would like to highlight several. Dr. Peter Adamson, who leads the Face the Future Foundation, was named a Senior Adviser for the Nepalese Society of Facial Plastic and Reconstructive Surgery. Dr. John de Almeida serves as the education lead for the skull base section of the American Head and Neck Society and was
named a member of the Head and Neck Cancer Core Committee for NRG oncology. Dr. Tony Eskander was named to the Board of Directors of the Head and Neck Cancer Alliance. At the provincial level, Dr. Jonathan Irish serves as the Vice President, Clinical, Cancer Programs for Ontario Health and Cancer Care Ontario and Dr. Joseph Chen continues to serve as the Provincial Coordinator for the Hearing Implant Program of Ontario. Our faculty also contribute significantly to the executive of the Canadian Society of Otolaryngology-Head & Neck Surgery. Dr. Paolo Campisi and Dr. Vincent Lin serve as the Treasurer and Secretary of the executive respectively. Dr. Yvonne Chan continues to serve as the CPD Director. Drs. Kevin Higgins and Tony Eskander are the Ontario regional representatives for the Society. These are just a few of the important leadership positions held by our faculty. I am so proud and thankful to all those who provide leadership and contribute to our department’s global impact.

Following the pandemic, 2022 saw the return of an in-person national meeting for the Canadian Society of Otolaryngology-Head & Neck Surgery. The meeting took place in beautiful Vancouver and was an opportunity for all of us to reconnect with friends and colleagues from across the country following years of separation. I would like to congratulate Dr. Vincent Lin who served as the Scientific Program Chair and Dr. Yvonne Chan as the CPD Director. The meeting was a tremendous success during which we hosted a wonderful alumni event.

I am so proud of the many faculty, residents and fellows who selflessly served to advance our efforts in global outreach. Whether this involved caring for our First Nations in Northern Ontario, aiding war victims in Ukraine, healing burn victims in Nepal, managing endemic goiters in rural Kenya, or providing otologic care in Cambodia, all of these efforts speak to our great department’s commitment to global health and global citizenship. All of these activities were celebrated at this year’s Annual Joseph Wong-Smile China Oration. We were privileged to have Dr. Travis Tollefson from the University of California-Davis join as our guest professor to speak about the power of giving.

Faculty

This year the department was lucky and privileged to recruit Dr. Jennifer Siu as a fulltime faculty member. Jennifer was recruited to join the team at SickKids Hospital following her fellowship in pediatric otolaryngology in Seattle. We wish Jennifer tremendous success as she begins her career. Additionally, the department recruited Dr. Amr Hamour as a clinical part-time faculty member and Drs. Andrew Ma, Vincent Wu, Jason Xu, and Weining Yang as clinical adjunct faculty. We also welcomed Ricky Chow, Thomas Looi, Danna Song, Kaitlin Harvey, and Kassandra Kaminskas as status only faculty. Finally, Dr. Lueder Kahrs, an assistant professor at the Institute of Biomedical Engineering (UT Mississauga), was cross–appointed to our department. I would like to welcome and congratulate all of our new faculty and I look forward to their contributions.

As mentioned, we established new divisions of otology/neuro-otology, laryngology, and general otolaryngology this academic year. I would like to congratulate Drs. Adrian James (Division of Otology/Neuro-otology), R. Jun Lin (Division of Laryngology), and Janet Chung (Division of General Otolaryngology) on their appointments as chiefs of these new divisions. I look forward to their leadership and vision.

After a very competitive search Dr. Tony Eskander was appointed the Otolaryngologist-in-Chief at Michael Garron Hospital. I would like to sincerely thank Dr. Bradley Hubbard for the tremendous job he did as the interim otolaryngologist-in-chief.
Dr. Molly Zirkle was named the Director of the Scarborough Academy of Medicine and Integrated Health Expansion for the Temerty Faculty of Medicine. This accomplishment reflects Dr. Zirkle's commitment to undergraduate medical education and follows her terms as the Director of the FitzGerald Academy and Director of Career Advising in the Office of Learner Affairs in the Temerty Faculty of Medicine. I would also like to congratulate Dr. Ambrose Lee who has been appointed the new Director of Undergraduate Medical Education for our department and takes over from Dr. Allan Vescan. The department owes Dr. Vescan and his two assistant UME directors, Drs. Brad Hubbard and John Lee, much gratitude for their years of service.

Promotion
Academic promotion is the greatest honour the Temerty Faculty of Medicine can bestow upon our faculty. I want to congratulate Drs. Eskander, Le and Wolter for their promotions to the rank of associate professor. The department was very proud to see Drs. Sharon Cushing and Evan Propst promoted to the academic rank of full professor. These promotions recognize the sacrifice, academic excellence, and national/international reputation of our great faculty.

In Memoriam
Sadly, our faculty lost cherished members and friends in 2022-2023. Dr. Lorne Segall sadly passed away on July 17, 2022 at the young age of 49. He graduated from McGill University in 1999 and completed his residency here at the University of Toronto in 2006. He was a cherished faculty member at Trillium Health Partners where he served as chief of otolaryngology between 2016-17. Lorne was an outstanding, compassionate clinician and a superb surgeon. He was always the consummate gentleman and an all around great person, he truly embodied the spirit of teamwork. He will forever be remembered by his patient's colleagues and his friends for his kindness, his intelligence, and his friendly demeanor.

Dr. Derek Birt passed away on May 31, 2023. Dr. Birt was a beloved member of the department. He was recruited from England by Dr. Bryce to start the head and neck program at Sunnybrook. He quickly established himself as an outstanding clinician and a man of principle. He served as our department's program director from 1988-1998 and made many important contributions that helped establish our training program as the best in Canada and one of the best in the world. Most importantly Dr. Birt was a gentleman, a cherished colleague, and a dear friend to many.

Helen Vari, who was a wonderful philanthropist and great supporter of our department, sadly passed away on March 16, 2023. She was a great friend to members of our faculty, including Dr. Patrick Gullane. Her lifelong commitment to philanthropy ultimately benefited our department with the establishment of the George and Helen Vari Chair in Otolaryngology-Head & Neck Surgery. George and Helen were great supporters of higher education. The department is eternally grateful to them for their transformative gift.

Education
This academic year has been a time of transition. I would like to extend my tremendous thanks to Dr. Paolo Campisi for his service to our department as our Vice-Chair Education and Director of Postgraduate Education during the past 10 years. During this time Paolo worked tirelessly to dramatically transform and improve our postgraduate program. His efforts have forever elevated the quality of our educational offerings. I would also like to welcome our new educational executive team. Welcome to Dr. Vincent Lin who took over as our Postgraduate Education Director, Dr. Yvonne Chan who serves as the Vice Chair-Education, and Dr. Ambrose Lee who assumed the undergraduate portfolio. I am confident that this team will build upon the tremendous foundation Dr. Campisi worked so hard to establish.
Our program continues to attract the best and brightest young minds. We were extremely thrilled to welcome five absolute superstar residents to the program this year. Congratulations to Drs. Ryan Daniel, Carlos Kahlil, Melissa Lee, Dorsa Mavedatnia and Jessica Trac. We look forward to their success and development. The department also bid farewell to the class of 2023. Congratulations to Drs. Amr Hamour, John Lee, Vincent Wu, Weining Yang, and Hedyeh Ziai on completion of their residency training and success at the Royal College. I look forward to their future success. We also welcomed a new chief resident. Dr. Chantal Li was elected by her peers to take over as chief resident from Dr. Amr Hamour.

Our new residents and fellows were welcomed to the department at two separate events. A wonderful welcome for residents was held at the Lin residence on July 20, 2023 and another event at the Enepekides residence for fellows and their mentors on July 27, 2023. Both events were extremely well attended and a chance for our teams to socialize and get to know each other. We also had an exceptional graduation event for our class of 2023 at Hart House on June 15, 2023. This was a wonderful opportunity for family, friends and loved ones to gather and celebrate the accomplishment of a graduating residents and fellows.

This academic year also included several fantastic educational events. I would like to thank Dr. Yvonne Chan and the entire organizing committee for another wonderful faculty development day. Our department along with the Departments of Anesthesiology and Surgery hosted a wonderful day of education on November 11, 2022. The theme was “Humanity and Medicine-Physician Burnout or Joy: We discover the rewards of a career in academic medicine”. On February 4, 2023 our annual Otolaryngology Update was held. Once again, I would like to thank Dr. Yvonne Chan and the entire organizing committee for putting together a superb program. The academic year once again culminated with the Percy Ireland Dinner and Academic Day held April 28-29, 2023. Our guest of honor was our very own Dr. Ian Witterick. Our visiting professor was Dr. K. J. Lee.

Finally, the department enjoyed an excellent lineup of speakers at our grand rounds. This included 20 visiting professors and many of our local community and academic faculty. I would like to sincerely thank all those who contributed.

Research
The department continues to produce innovative and impactful research. This academic year was extremely successful. Our faculty, as mentioned, published 16 book chapters 197 peer-reviewed publications, and secured almost $28 million in grant funding. I would like to thank our vice chair-research, Dr. Alain Dabdoub, for his leadership and oversight of our many remarkable programs.

The department allocated two $25,000 research awards to faculty. This year the awards required collaboration between institutions. I was very happy to award Dr. Karen Gordon from Sick Children's Hospital and Dr. Andrew Dimitrijevic from Sunnybrook one of these awards for their work entitled “Attentive Spatial Hearing in Children and Adults”. The other was given to Drs. R. Jun Lin and Brian Coburn for their work titled "Analysis of Microbiology in Idiopathic Subglottic Stenosis”. Additionally we awarded five Barberian research scholarships to Drs. Bartling, Chen, Kim, Ma, and Sampieri.
Awards and Distinctions

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

- Dr. Jeremy Freeman was honoured with the establishment of the *Jeremy Freeman Family Chair in Surgical Oncology* by Mount Sinai Hospital.
- Dr. David Goldstein was named the *Wharton Chair in Head and Neck Surgery* at the Princess Margaret Cancer Centre.
- Dr. Kevin Higgins was selected as the *Faculty Teacher of the Year* for the Department of Otolaryngology–Head & Neck Surgery at the University of Toronto.
- Dr. Molly Zirkle was named the Director of Expansion for the Scarborough Academy of Medicine and Integrated Health.
- Not to be outdone, our fantastic residents were also honored with multiple awards, all of which are listed in this report. Drs. Tanya Chen and Elysia Grose were awarded the *2022 CSCI/CIHR Resident Research Prize* for their research project entitled “National Trends in Gender Diversity Among Trainees and Practicing Physicians in Otolaryngology–Head and Neck Surgery in Canada”. Dr. Justine Philteos was the recipient of the *2023 Wharton Head and Neck Research Award*. Finally, Dr. John Lee received the *Canadian Fellowship Grant* from the Canadian Society of Otolaryngology–Head & Neck Surgery to pursue fellowship training in Australia.

Administration

The department is blessed with a first-class administrative team. Sadly, this year we said goodbye to our Business Officer Audrea Martin. The department is tremendously grateful to her for her years of service and we wish her all the best as she begins the next chapter in her career. We welcomed a new Business Manager Shan Gao who along with our Executive Assistant to the Chair, Sonia Valente, our Undergraduate Education Coordinator, Josie Romantini, our Events Coordinator, Ivy Zhang, and our Postgraduate Coordinator, Andrea Donovan, worked hard to help me take our programs and offerings to new heights.

Summary

As I reflect on my first year as the Chairman of this world leading department of Otolaryngology–Head and Neck Surgery I am truly humbled by the volume and quality of work presented in this report. I am thankful to all of you, the members of our executive, our faculty, residents, fellows, and alumni, for your contributions, dedication and sacrifice. Our success is a collective achievement that we should all take pride in.

Respectfully submitted,

Danny Enepekides MD
# Faculty Members

## Professor and Chair

D. Enepekides, MD, FRCSC, MPH

## Professors Emeriti:

- S.M. Abel, PhD
- P.W. Alberti, MB, PhD, FRCSC, FRCS
- B.D. Birt, MB, FRCSC, FRCS
- K. Conrad, MD, FRCSC, FRCS
- W.S. Crysdale, MD, FRCSC
- M.J. Davidson, MD, MSc, FRCSC
- R.S. Fenton, MB, FRCSC, FACS
- J. Friedberg, MD, FRCSC
- R.V. Harrison, PhD, DSc
- 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
- A. Dabdoub, PhD
- 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-FRCSI, Hon-FRCS, Hon-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
- I. Witterick, MD, MSc, FRCSC

## Associate Professors:

- J. Anderson, MD, MSc, FRCSC
- Y. Chan, MD, MSc, FRCSC, HBSc
- S. Cushing, MD, MSc, FRCSC
- 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, MCISc
- E.J. Propst, MD, MSc, FRCSC
- M. Zirkle, MD, MEd, FRCSC

## Assistant Professors:

- S. Anand, MD, MSc, BAartSc (Hon), FRCSC
- N. Bailie, PhD, MB, BChir, BAO, 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, MCISc
- A. Alexander, MD, BSc, FRCSC
- J. Asaria, MD, BSc, FRCSC
- J. Atlas, MD, BSc, FRCSC
- S. Banglawala, MD, BSc, MPH, FRCSC
- J. Banh, HBSc, MSc
- G. Belchetz, MD, BSc, FRCSC
- M. Brace, MD, BSc, MSc, FRCSC
- D. Brown, MD, FRCSC
- R. Burke, MD, FRCSC
- L. Carinci, MCISc, BSc (Hon)
Cross-Appointed Faculty

Professors:
- S. Blaser, MD, FRCSC, Medical Imaging
- G. Bradley, DDS, MSc, Faculty of Dentistry
- F-F Liu, MD, FRCPC, Radiation Oncology
- R. Martino, MSc, MA, PhD, Speech Language Pathology
- B. O’ Sullivan, MB Bch BAO, FRCPC, Radiation Oncology
- J. Ringash, MD, MSc, FRCP, Radiation Oncology
- L.E. Rotstein, MD, FRCSC, Surgery
- S. Symons, BASc, MPH, MD, FRCP, Medical Imaging
- A. Wong, MD, PhD, FRCSC, FACS, Medical Imaging

Associate Professors:
- E.S. Bartlett, MPH, MD, Medical Imaging
- S. Huang, MRT(T), MSc, MD, Radiation Oncology
- J. Lazor, RPh, BScPhm, MScPhm, EdD, FRSHP, Dept of Family & Community Medicine
- B.Y. Ngan, PhD, MD, FRCPC, Laboratory Medicine & Pathobiology
- B. Perez-Ordoñez, MD, FRCPC, Laboratory Medicine & Pathobiology
- J. Waldron, MD, MSc, FRCP, Radiation Oncology

Assistant Professors:
- J. Allegro, MSc, Speech Language Pathology
- S. Laughlin, BSc, MD, FRCP, RCPSO, ACR, Medical Imaging

Administrative Staff:
Andrea Donovan, Postgraduate/Undergraduate Administrator
Audrea Martin, Business Officer
Sonia Valente, Chair’s Assistant/Department Executive Assistant
Ivy Zhang, Events Coordinator
<table>
<thead>
<tr>
<th>Name</th>
<th>Year</th>
<th>Award Description</th>
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<tbody>
<tr>
<td>BANH, J</td>
<td>2022</td>
<td>Quality Quest. Sunnybrook Health Sciences Centre.</td>
</tr>
<tr>
<td>DAVIES, J</td>
<td>2023</td>
<td>Collaboration in Education Award. OR ENT Team, Sinai Health. Awarded to the team who has made an outstanding contribution to learner education. Inaugural Drucker Reitman Family Discovery Award. First Place in Science of Care Research Competition, Sinai Health. Use of Amnion/Chorion Allograft Onlay for Radial Forearm/Fibular Free Flap Donor Sites: Randomized Control Clinical Trial.</td>
</tr>
<tr>
<td></td>
<td>2023</td>
<td>Wightman-Berris Academy Individual Teaching Excellence Award, Undergraduate. The Individual Teaching Performance Awards recognize teachers whose outstanding skills have been personally identified by their students.</td>
</tr>
<tr>
<td>ESKANDER, A</td>
<td>2023</td>
<td>Residency Advocacy Award, Department of Otolaryngology-Head &amp; Neck Surgery, University of Toronto.</td>
</tr>
<tr>
<td>FOX, R</td>
<td>2023</td>
<td>35-year Recognition of Service Award. St. Joseph’s Hospital.</td>
</tr>
<tr>
<td>FREEMAN, J</td>
<td>2022</td>
<td>Honoured by Mount Sinai Hospital. Created Endowed Distinguished Chair: “The Jeremy Freeman Family Chair in Surgical Oncology”</td>
</tr>
<tr>
<td>GOLDSTEIN, D</td>
<td>2022</td>
<td>Appointed the Wharton Chair in Head and Neck Surgery, Princess Margaret Cancer Centre.</td>
</tr>
<tr>
<td>GULLANE, P</td>
<td>2022</td>
<td>Honorary Doctor of Science, DSc, Western University.</td>
</tr>
<tr>
<td></td>
<td>2023</td>
<td>Honorary Membership in the Irish Head and Neck Society</td>
</tr>
<tr>
<td>HIGGINS, K</td>
<td>2022</td>
<td>Dr. William Dixon Surgical Teaching Award. Sunnybrook Health Sciences Centre. Faculty Teacher of the Year Award. Department of Otolaryngology- Head &amp; Neck Surgery, University of Toronto.</td>
</tr>
<tr>
<td>Name</td>
<td>Year</td>
<td>Award Description</td>
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<tr>
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<tr>
<td></td>
<td>2023</td>
<td>Perioperative Services Summer Studentship Award. Hospital for Sick Children.</td>
</tr>
<tr>
<td>WITTERICK, I</td>
<td>2023</td>
<td>Collaboration in Education Award. A team award to the OHNS operating room team for teaching nursing students. Sinai Health.</td>
</tr>
<tr>
<td>ZIRKLE, M</td>
<td>2023</td>
<td>Friend of the Academy. FritzGerald Academy of Medicine, University of Toronto.</td>
</tr>
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### Leadership Activities

<table>
<thead>
<tr>
<th>ADAMSON, P</th>
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<tr>
<td>2021-present</td>
<td>Senior Advisor. International Federation of Facial Plastic Surgery Societies.</td>
<td></td>
</tr>
<tr>
<td>2019-present</td>
<td>Senior Advisor. Facial Reconstructive Cosmetic Surgery India Trust.</td>
<td></td>
</tr>
<tr>
<td>1996-present</td>
<td>President and Founder. Face the Future Foundation.</td>
<td></td>
</tr>
</tbody>
</table>

**American Academy of Facial Plastic and Reconstructive Surgery**

- 2019-2023: Member. President’s Ad Hoc Committee for Rhinoplasty Strategic Planning.
- 2016-present: Member. Ethics Committee.
- 2016-present: Mentor. AAFPRS Practitioner’s Program.

**American Board of Facial Plastic and Reconstructive Surgery**

- 2021-present: Global Ambassador and Voting Member. Executive Committee.
- 1999-present: Senior Examiner. Responsibilities include new examiner training and orientation for examiners and candidates in Washington, DC.
- 1988-present: Director, President, Executive Officer.

**European Board of 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: Global Ambassador and Voting Member. Executive Committee.
- 2012-present: Executive Officer. Member Executive Committee.

<table>
<thead>
<tr>
<th>ANAND, S</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>2013-present</td>
<td>Co-Chair. Monthly Endocrine/Thyroid Multidisciplinary Cancer Conference, Scarborough Health Network and Humber River Hospitals.</td>
<td></td>
</tr>
<tr>
<td>2013-present</td>
<td>Committee Member. Strategic Planning and Clinical Services Plan, Department of Surgery, Scarborough Health Network.</td>
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<table>
<thead>
<tr>
<th>ASRIA, J</th>
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<tr>
<th>BRACE, M</th>
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<tr>
<td>Name</td>
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<tr>
<td>Editorial Boards</td>
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<tr>
<td></td>
<td>2016-present</td>
<td>Oral Diseases.</td>
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<tr>
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<td>2021-present</td>
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<tr>
<td><strong>CAMPISI, P</strong></td>
<td></td>
<td>Chair. Membership Committee.</td>
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<tr>
<td></td>
<td>2023-present</td>
<td>American Society of Pediatric Otolaryngology</td>
</tr>
<tr>
<td></td>
<td>2021-2023</td>
<td>Member. Membership Committee.</td>
</tr>
<tr>
<td>Canadian Society of Otolaryngology-Head &amp; Neck Surgery</td>
<td></td>
<td>Treasurer.</td>
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<tr>
<td></td>
<td>2021-present</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2018-2022</td>
<td>Historian.</td>
</tr>
<tr>
<td>Royal College of Physicians and Surgeons of Canada</td>
<td></td>
<td>Residency Accreditation Surveyor.</td>
</tr>
<tr>
<td></td>
<td>2019-present</td>
<td></td>
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<tr>
<td></td>
<td>2012-2023</td>
<td>Member &amp; Examiner. Otolaryngology-Head &amp; Neck Surgery Examination Board.</td>
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<tr>
<td></td>
<td>2012-2022</td>
<td>Member. Otolaryngology-Head &amp; Neck Surgery Specialty Committee.</td>
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<tr>
<td>Manuscript Reviewer</td>
<td></td>
<td>Journal of Pediatric Hematology/Oncology.</td>
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<tr>
<td></td>
<td>2010-present</td>
<td></td>
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<tr>
<td></td>
<td>2009-present</td>
<td>The Pediatric Infectious Disease Journal.</td>
</tr>
<tr>
<td></td>
<td>2006-present</td>
<td>JAMA Otolaryngology Head &amp; Neck Surgery.</td>
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<tr>
<td></td>
<td>2005-present</td>
<td>The Laryngoscope.</td>
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<tr>
<td></td>
<td>2004-present</td>
<td>Paediatrics and Child Health.</td>
</tr>
<tr>
<td><strong>CHAN, Y</strong></td>
<td></td>
<td>EDI Committee Lead. Dept of Otolaryngology-Head &amp; Neck Surgery, University of Toronto.</td>
</tr>
<tr>
<td></td>
<td>2023-present</td>
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<td></td>
<td>2023-present</td>
<td>Member. IFOS Executive.</td>
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<tr>
<td></td>
<td>2023</td>
<td>Interviewer. Postgraduate Medical Education Fellowship Faculty Lead Search Committee, Faculty of Medicine, University of Toronto.</td>
</tr>
<tr>
<td></td>
<td>2023</td>
<td>Member. Department of Otolaryngology-Head &amp; Neck Surgery Chief Search Interview Committee, Michael Garron Hospital.</td>
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<tr>
<td></td>
<td>2022-present</td>
<td>Vice-Chair Education. Department of Otolaryngology-Head &amp; Neck Surgery, University of Toronto.</td>
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<tr>
<td></td>
<td>2022-present</td>
<td>Member. Postgraduate Medical Education Board of Examiners, University of Toronto.</td>
</tr>
<tr>
<td></td>
<td>2022-present</td>
<td>Chair. CSO Scientific Program.</td>
</tr>
</tbody>
</table>
2022  Member. Division of Neurosurgery Skull Base Surgeon Search, St. Michael’s Hospital.
2022  Mentor. Royal College of Physicians and Surgeons of Canada Regional Advisory Committee New Members.
2021-present  Member. ISIAN Board of Director representing Canada.
2021-present  Associate Editor. Ear, Nose & Throat Journal.

**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.

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

**Unity Health - St. Michael’s Hospital**
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.

**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.

**Associate or Section Editing**
2021-present  International Journal of Pediatric Otorhinolaryngology.
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 Otolaryngology, Rhinology, & Laryngology.
2012-present PLoS ONE.

DABDOUB, A
2022-present Associate Editor. Journal of the Association for Research in Otolaryngology.
2021-present Member. External Advisory Committee. Translational Hearing Center, a National Institute General Medical Sciences Institutional Development Award Center of Biomedical Research Excellence, Creighton University.
2021-present User Advisory Board Member for Gene Expression Analysis Resource, University of Maryland, School of Medicine.
2019-present Vice-Chair Research. Department of Otolaryngology-Head & Neck Surgery, Temerty Faculty of Medicine, University of Toronto.
<table>
<thead>
<tr>
<th>Year</th>
<th>Role Description</th>
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<tbody>
<tr>
<td>2011-present</td>
<td>Member. Hearing Restoration Project Consortium, Hearing Health Foundation.</td>
</tr>
<tr>
<td>DAVIES, J</td>
<td></td>
</tr>
<tr>
<td>2023-present</td>
<td>Physician Representative. Medical Device Reprocessing Department, Sinai Health.</td>
</tr>
<tr>
<td>2023-present</td>
<td>Member. Equity, Diversity and Inclusion Committee, Department of Otolaryngology-Head &amp; Neck Surgery, University of Toronto.</td>
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<tr>
<td>2022-present</td>
<td>Member. Research Committee, Department of Otolaryngology-Head &amp; Neck Surgery, University of Toronto.</td>
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<tr>
<td>2021-present</td>
<td>Member. Elective Booking Policy Group. Sinai Health.</td>
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<tr>
<td>Reviewer</td>
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<tr>
<td>2023-present</td>
<td>Quantitative Imaging in Medicine and Surgery.</td>
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<tr>
<td>2021-present</td>
<td>Head &amp; Neck.</td>
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<tr>
<td>2019-present</td>
<td>The Laryngoscope.</td>
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<tr>
<td>2012-present</td>
<td>University of Toronto Medical Journal (UTMJ).</td>
</tr>
<tr>
<td>2012-present</td>
<td>Journal of Neuroscience.</td>
</tr>
<tr>
<td>DE ALMEIDA, J</td>
<td></td>
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<tr>
<td>2023-present</td>
<td>Member. Patient Reported Outcomes and Cost-Effectiveness Analysis Committee, NRG Oncology</td>
</tr>
<tr>
<td>2022-2023</td>
<td>Member and Canadian Cancer Trials Group Representative. Clinical Trials Planning Meeting.</td>
</tr>
<tr>
<td></td>
<td>Immunocompromised Patients with Cutaneous Squamous Cell Carcinoma. National Cancer Institute.</td>
</tr>
<tr>
<td>2022-present</td>
<td>Member. Head and Neck Cancer Core Committee, NRG Oncology.</td>
</tr>
<tr>
<td>2022-present</td>
<td>Member. Head and Neck Advisory Committee, Cancer Care Ontario-Ontario Health.</td>
</tr>
<tr>
<td>2021-present</td>
<td>Head and Neck Site Group Lead. HIS Implementation, University Health Network.</td>
</tr>
<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>2021-present</td>
<td>Committee Member. Quality &amp; Safety Committee, Department of Otolaryngology Head and Neck Surgery, University of Toronto.</td>
</tr>
<tr>
<td>2021-present</td>
<td>Head and Neck Site Group Lead. HIS Implementation, University Health Network.</td>
</tr>
<tr>
<td>2021-present</td>
<td>Clinical Informaticist and Superuser. EPIC Health Information System MD Champion, University Health Network.</td>
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<tr>
<td>2020-present</td>
<td>Surgeon Champion. Synapse Health Information System Implementation, University Health Network.</td>
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<tr>
<td>2020-present</td>
<td>Member. Health Information System MD Champion, University Health Network</td>
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<tr>
<td>2020-present</td>
<td>Member. Value and Quality Committee, American Head and Neck Society.</td>
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<td>2020-present</td>
<td>International Lead. American Head and Neck Society Skull Base Section Committee.</td>
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<tr>
<td>Year</td>
<td>Role and Organization</td>
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<tr>
<td>2020-present</td>
<td>Member. Surgical Sub-committee. Head and Neck Cancer International Group.</td>
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<tr>
<td>2019-present</td>
<td>Member. CCTG Disease Site Committee Centre.</td>
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<tr>
<td>2019-present</td>
<td>Surgical Oncology Site Lead. Canadian Cancer Trials Troup, Princess Margaret Cancer Centre.</td>
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<tr>
<td>2018-present</td>
<td>Member. Surgical subcommittee. Canadian Clinical Trials Group.</td>
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<tr>
<td>2018-present</td>
<td>Member. Cost, Quality and Outcomes Committee, University Health Network.</td>
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<tr>
<td>2018-present</td>
<td>Head of Research. Division of Head and Neck Oncology and Reconstructive Surgery, University of Toronto.</td>
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<tr>
<td>2017-present</td>
<td>Member. Collaborative Research Initiative, Canadian Society of Otolaryngology Head and Neck Surgery.</td>
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<tr>
<td>2015-present</td>
<td>Member, Continuing Medical Education Compliance Committee, American Head and Neck Society.</td>
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<td>2015-present</td>
<td>Member, Research Committee, American Head and Neck Society.</td>
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<tr>
<td>2015-present</td>
<td>Member, Value Based Care Committee, North American Skull Base Society.</td>
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<tr>
<td>2015-present</td>
<td>Member. Cancer Care Ontario - Disease Pathway Management for Oropharynx Cancer.</td>
</tr>
<tr>
<td>2013-present</td>
<td>Member. Residency Program Committee (University Health Network Representative), Department of Otolaryngology-Head &amp; Neck Surgery, University of Toronto.</td>
</tr>
<tr>
<td>2013-present</td>
<td>Member. Robotics Committee, University Health Network.</td>
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**DIMITRIJEVIC, A**

<table>
<thead>
<tr>
<th>Year</th>
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<tbody>
<tr>
<td>2017-present</td>
<td>Reviewer. Graduate Life Sciences Education, Institute for Medical Sciences, University of Toronto.</td>
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<tr>
<td>2017-present</td>
<td>Reviewer. Natural Sciences and Engineering Council, Institute for Medical Sciences, University of Toronto.</td>
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**ENEPEKIDES, D**

<table>
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<tbody>
<tr>
<td>2022-present</td>
<td>George and Helen Vari Chair in Otolaryngology-Head &amp; Neck Surgery, University of Toronto.</td>
</tr>
<tr>
<td>2022-present</td>
<td>Member. Executive Committee. International Federation of Head and Neck Oncologic Societies.</td>
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<tr>
<td>2019-present</td>
<td>Chair. Quality and Safety Committee, Canadian Society of Otolaryngology-Head and Neck Surgery</td>
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<tr>
<td>2018-present</td>
<td>Chief. Department of Otolaryngology-Head &amp; Neck Surgery, Sunnybrook Health Sciences Centre.</td>
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**Manuscript Reviewer**

<table>
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<th>Journal Name</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>
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<tr>
<td>2002-present</td>
<td>Otolaryngology-Head and Neck Surgery.</td>
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<tr>
<td>2002-present</td>
<td>The Laryngoscope.</td>
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**ESKANDER, A**

<table>
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<th>Year</th>
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<tbody>
<tr>
<td>2023-2026</td>
<td>Member. Thesis Committee, Triological Society.</td>
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<tr>
<td>2022-present</td>
<td>Board of Directors. Head and Neck Cancer Alliance.</td>
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<td>2022-present</td>
<td>Member. Surgical Quality Assurance Committee - HN11 SELECT Trial, Canadian Cancer Trials Group.</td>
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</table>
2021-present  AHNS Lead. US National HPV Vaccination Roundtable as part of the American Cancer Society, American Cancer Society.
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.

**American Academy of Otolaryngology – Head & Neck Surgery**
2022-present  AHNS Representative, Guidelines Task Force.
2019-2025  Member. Microvascular Committee.

**American Head and Neck Society**
2023-present  Member. Guidelines Advisory Board.
2022-2023  Member. 2023 Program Committee.
2021-present  Vice Chair. Awards and Publication Service.
2021-present  Member. Salivary Section Research Committee, American Head and Neck Society.
2017-present  Member. Endocrine Section Research Committee.

**Canadian Society of Otolaryngology-Head & Neck Surgery**
2020-present  Lead and Chair, Collaborative Research Initiative
2017-present  Co-Chair, Head and Neck Collaborative Research

**Ontario Health (Cancer Care Ontario)**
2023-present  Member, Cervical Lymphadenopathy Pathway Map Working Group
2023-present  Member, Oncology Dentistry Services Working Group
2022-2025  Member, Ontario Head and Neck Cancers Advisory Committee
2022-present  Member, Thyroid Surgery Quality Based Procedures (QBP) Committee
2021-present  Clinical Expert and Reviewer. Health Technology Assessment.
2020-present  Member, Head and Neck Cancer Surgery Quality Based Procedures Committee

**Michael Garron Hospital**
2023-present  Chief of Otolaryngology-HNS, Department of Otolaryngology-Head & Neck Surgery.
2023-present  Member. Medical Advisory Committee.
2023-present  Member. Surgical Council.
2023-present  Member. Credentialing Committee.
2022-present  Member. Research & Innovation Committee.
2017-present  Member. Laser Safety Committee.
2017-present  Chair. Endocrine Oncology Tumor Board.

**Sunnybrook Odette Cancer Centre**
2022-present  Member. Odette Cancer Centre Program Education Council.
2018-present  Member. Odette Cancer Centre Palliative Care Advisory Committee.
2022-present  Disease Site Lead. Head and Neck Site Group.

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

Grant Reviewer
2018-present  American Academy of Otolaryngology, Head and Neck Sub-Committee Centralized Otolaryngology Research Efforts Grant Committee.
2018-present  CMAJ.
2018-present  Current Oncology.
2017-present  Head & Neck-Endocrine Section.
2016-present  British Journal of Cancer.
2016-present  Journal of Otolaryngology-Head & Neck Surgery (Head and Neck Oncology).
2016-present  Oral Oncology.

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

FERNANDES, V
2021-present  Member. Ethics & Professionalism Committee, Scarborough Health Network.
2022-present  NSQIP Lead. Department of Surgery, Scarborough Health Network.

FREEMAN, J

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.
2021-present  Delegate. Section on Otolaryngology – Head and Neck Surgery, Priority and Leadership Group, Ontario Medical Association.
2020-present  Reviewer. Rhinology Online.
2019-present  Secretary-Treasurer and Vice Chair. Section on Otolaryngology-Head & Neck Surgery, Ontario Medical Association.
2018-present  Member. Editorial Board. Rhinology Online.
2015-present  Editorial Board Member. Rhinology.
2012-present  Reviewer. Rhinology.
<table>
<thead>
<tr>
<th>Name</th>
<th>Roles</th>
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</thead>
</table>
| GILBERT, R | 2012-present Chief. Department of Otolaryngology-Head & Neck Surgery, University Health Network.  
|            | 2009-present Member. Board of Trustees, University Health Network.                      |
|            | 2003-present Member. Planning Committee, Annual Wharton/Elia Day, with the Sullivan Lecturer, Department of Otolaryngology-Head & Neck Surgery, Princess Margaret Hospital.  
|            | 2001-present Member. Head and Neck Site Group, National Cancer Institute of Canada.       |
|            | 2001-present Member. Management Council, Department of Surgical Oncology, Princess Margaret Hospital.  
|            | 1991-present Member. Practice Guidelines Initiative, Provincial Head and Neck Cancer Disease Site Group, Cancer Care Ontario. |
|            | 2021-present Member. 2023 International Meeting Program Committee. American Head and Neck Society. |
| GOODEN, E  | 2021-present Chair. Governance and Inclusion Committee, NYGH Foundation Board.           |
|            | 2018-present Director. Face the Future Foundation.                                       |
|            | 2011-present Director. North York General Hospital Foundation Board.                     |
|            | 2009-2023 Member. Surgical Program Governance Committee. North York General Hospital    |
| GORDON, K  | 2023-present Member, Scientific Program Committee, International CI2024 conference.       |
|            | 2022-present Associate Editor, Trends in Hearing.                                        |
|            | 2022 Advisory Board member, House Children’s Hearing Center, CA, USA.                    |
|            | 2022 Member, Nominations Committee, Society for Ear, Nose and Throat Advances in Children. |
|            | 2022 Member, Research Committee, Society for Ear, Nose and Throat Advances in Children.  |
|            | 2021-present Chair. Promotions Committee. Department of Otolaryngology-Head & Neck Surgery, University of Toronto.  
|            | 2020-2023 Member, Program Committee, Association for Research in Otolaryngology.         |
| Institute of Medical Science, University of Toronto | 2020-present Member. Executive Committee, Institute of Medical Sciences.               |
|            | 2020-present Member. Leadership Committee, Institute of Medical Sciences.                |
|            | 2019-present Chair. Appointments Committee.                                             |
| GULLANE, P | Member, Editorial Board                                                                 |
|            | 2020-present International Journal of Head and Neck Science, Taiwan                     |
|            | 2000-2022 Head & Neck.                                                                  |
Manuscript Reviewer

Editorial Review Board
1991-present  Les Annales d’Otolaryngologie et de Chirurgie Cervico-Faciale.

HAZEN, M
2023  Manuscript Reviewer. International Journal of Pediatric Otorhinolaryngology
2022-present  Project Consultant. Vivosonic, Toronto, ON.
2020-present  Career Host. Career Exploration & Education, University of Toronto.
2019-present  Member. Audiology. Circle of Cleft Professional.

HIGGINS, K
2023-present  International Member. North American Society for Interventional Thyroidology.
2023-present  Member. Microvascular Committee, American Academy of Otolaryngology Head and Neck Surgery.
2023  Member. Scientific Review Committee, AHNS 2023 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  Member. Mucosal Section Value & QOC Committee, American Head and Neck Society.
2020-present  Member. Head and Neck Pandemic Response Group, Cancer Care Ontario.
2019-present  Executive Member. Fellowship Steering Committee, Advanced Triologic Training Council Fellowship Program, Division of Head and Neck Surgery, Department of Otolaryngology-Head & Neck Surgery, University of Toronto.
2018-present  Member. Esophageal Cancer Working Group, Cancer Care Ontario.
2017-present  Member. Sunnybrook’s Sustainability Program Office, Sunnybrook Health Sciences Centre.
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, 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.
2012-present  Member. Undergraduate Committee, Department of Otolaryngology-Head & Neck Surgery, 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, University of Toronto.
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, University of Toronto.

**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**

2013-2023  Member. Residency Program Committee, Department of Otolaryngology-Head & Neck Surgery, University of Toronto.
2013-2023  Assistant Director. Undergraduate Medical Education, Department of Otolaryngology-Head & Neck Surgery, University of Toronto.
2021-2023  Member. Executive Committee, Department of Otolaryngology-Head & Neck Surgery, University of Toronto.
2021-2023  Interim Chief, Division of Otolaryngology-Head & Neck Surgery, Michael Garron Hospital.

**IRISH, J**

2021-present  Program Director. Head and Neck Surgical Oncology Fellowship Program, Department of Otolaryngology-Head & Neck Surgery, University of Toronto.
2017-present  Head. Division of Head and Neck Oncology and Reconstructive Surgery, Department of Otolaryngology-Head & Neck Surgery, University of Toronto.

**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.

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

Associate Editor
2010-2022 Head & Neck.

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

JAMES, A
2018-present Secretary. International Otology Outcome Group.

Editorial Boards
2016-present Member. Journal of International Advanced Otology.
2016-present Member. 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, A
2023-present Director. Undergraduate Medical Education. Department of Otolaryngology-Head & Neck Surgery, University of Toronto.
<table>
<thead>
<tr>
<th>YEAR</th>
<th>ROLE/DESIGNATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016-present</td>
<td>Head. Division of Rhinology, Faculty of Medicine, Dept of Otolaryngology-Head &amp; Neck Surgery, University of Toronto.</td>
</tr>
<tr>
<td>2014-present</td>
<td>Faculty Member. Editorial Board. F1000 Prime: Section on Rhinology and Paranasal Sinus Disease.</td>
</tr>
<tr>
<td>2014-present</td>
<td>Member. Advisory Board. F1000 Research.</td>
</tr>
<tr>
<td>2013-present</td>
<td>Member. Research Committee, Dept of Otolaryngology-Head &amp; Neck Surgery, University of Toronto.</td>
</tr>
<tr>
<td>2012-2023</td>
<td>Assistant Director. Undergraduate Medical Education, Dept of Otolaryngology-Head &amp; Neck Surgery, University of Toronto.</td>
</tr>
<tr>
<td>2012-2023</td>
<td>Undergraduate Site Director. Dept of Otolaryngology-Head &amp; Neck Surgery, Fitzgerald Academy, St. Michael’s Hospital.</td>
</tr>
<tr>
<td>2013-2021</td>
<td>Member. Post-graduate Committee, Faculty of Medicine, Dept of Otolaryngology - Head &amp; Neck Surgery, University of Toronto.</td>
</tr>
<tr>
<td>2013-2021</td>
<td>Postgraduate Site Director. Dept of Otolaryngology-Head &amp; Neck Surgery, St. Michael’s Hospital.</td>
</tr>
</tbody>
</table>

**Manuscript Reviewer**

<table>
<thead>
<tr>
<th>YEAR</th>
<th>JOURNAL</th>
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</thead>
<tbody>
<tr>
<td>2019-present</td>
<td>Investigative Otolaryngology.</td>
</tr>
<tr>
<td>2011-present</td>
<td>The Laryngoscope.</td>
</tr>
<tr>
<td>2010-present</td>
<td>International Forum of Allergy &amp; Rhinology.</td>
</tr>
<tr>
<td>2009-present</td>
<td>American Journal of Rhinology &amp; Allergy.</td>
</tr>
</tbody>
</table>

**LIN, V**

<table>
<thead>
<tr>
<th>YEAR</th>
<th>ROLE/DESIGNATION</th>
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</thead>
<tbody>
<tr>
<td>2019-present</td>
<td>Expert Assessor. WSIB, Otology/Neurotology Opinions for Cases Escalated to Tribunal Level. Worker’s Safety Insurance Board Tribunal</td>
</tr>
<tr>
<td>2018-present</td>
<td>Chair. Otolaryngology Section, Ontario Medical Association.</td>
</tr>
<tr>
<td>2017-present</td>
<td>Examiner. Otology/Neurotology section, Royal College of Physicians and Surgeons of Canada.</td>
</tr>
<tr>
<td>2011-present</td>
<td>Clinical and Research Advisor. Audiology, ENT and Speech Working Group, Department of Otolaryngology-Head &amp; Neck Surgery, Temerty Faculty of Medicine, Patient and Public Education. Ontario Health Study.</td>
</tr>
</tbody>
</table>

**Canadian Society of Otolaryngology-Head & Neck Surgery**

<table>
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<tr>
<th>YEAR</th>
<th>ROLE/DESIGNATION</th>
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<tbody>
<tr>
<td>2022-present</td>
<td>Secretary. Executive Committee.</td>
</tr>
<tr>
<td>2018-2022</td>
<td>Scientific Program Chair. Executive Committee.</td>
</tr>
<tr>
<td>2018-present</td>
<td>Founding Member, Canadian Collaborative Research Initiative Core Group.</td>
</tr>
<tr>
<td>2016-present</td>
<td>Council Member. Vestibular Working Group.</td>
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<tr>
<td>2009-present</td>
<td>Council Member. Otolaryngology Working Group.</td>
</tr>
</tbody>
</table>
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.
2008-present  Contributor. 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.
2016-present  Frontiers in Neuroscience.
2014-present  Journal of Medical and Biomedical Engineering.
2012-present  Hearing Research.
2012-present  Otolaryngology-Head and Neck Surgery.
2010-present  Otology & Neurotology.
2009-present  The Laryngoscope.
2009-present  American Journal of Case Reports.

LIN, RJ
2021-present  Member of Resident Program Committee
2021-present  PGME Site Lead, Department of OHNS, Unity Health Toronto - SMH
2023-present  Lead, Division of Laryngology, Department of OHNS
2021-present  Associate Editor. Journal of Otolaryngology-Head & Neck Surgery.

MARTINO, R
2023-present  Member. Head and Neck PRO Working Group, National Research Group.
2022-present  Member. Multinational Association of Supportive Care in Cancer.
2022-present  Member. Advisory Board, AHNS Guidelines, American Head and Neck Society.
2022-present  Member, Planning Committee, World Dysphagia Symposium.
2021-present  Member. Advisory Council, Gleiberman Head and Neck Cancer Center, University of Southern California at San Diego.
2021-2022  Scientific Faculty, World Dysphagia Summit.
2021-2022  Mentor. Global Oncology Leadership Development Program.
2021-2022  Scientific Mentor, Global Stroke Network.
2020-present  Member. International Inter-Professional Committee, Dysphagia Research Society.
<table>
<thead>
<tr>
<th>Year</th>
<th>Position and Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>2020-present</td>
<td>Associate Member, American Head and Neck Society.</td>
</tr>
<tr>
<td>2019-present</td>
<td>Member, National Canadian Institute.</td>
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<tr>
<td>2018-present</td>
<td>Member, College, Canadian Institutes of Health Research.</td>
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<tr>
<td>2012-present</td>
<td>Associate Member, Canadian Centre for Applied Research in Cancer Control.</td>
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<tr>
<td>2009-present</td>
<td>Member, Canadian Cancer Trials Group.</td>
</tr>
<tr>
<td>2007-present</td>
<td>Member, Collaborative Program in Neuroscience, University of Toronto.</td>
</tr>
<tr>
<td>2004-present</td>
<td>Member, Dysphagia Research Society.</td>
</tr>
<tr>
<td>NAZARALI, K</td>
<td>2012-present Member, Pharmaceuticals and Therapeutics Committee, Trillium Health Partners.</td>
</tr>
<tr>
<td></td>
<td>2012-present Director, Continuing Education, West End Otolaryngology-Head and Neck Surgery Group.</td>
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<tr>
<td></td>
<td>1996-present Member, Medical Advisory Services, Aga Khan Health Board Ontario.</td>
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<tr>
<td>PROPST, E</td>
<td>2023 Member, Tracheostomy Clinical Practice Guidelines Expert Panel, ATS.</td>
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<td></td>
<td>2020-2024 Member, SIMEC Simulation Education Committee, AAO-HNS.</td>
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<tr>
<td></td>
<td>2018-present Member, Thyroid Oncology Collaborative Working Group, Patient Care/Quality Improvement Committee &amp; Education Committee, Toronto ON.</td>
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<td></td>
<td>2018-2022 Member, Strategic Committee, The Aerodigestive Society.</td>
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<td></td>
<td>2016-present Member, Periodic Fever Aphthous Stomatitis Pharyngitis, Cervical Adenitis Clinical Pathway Development Committee, Faculty of Medicine, Postgraduate MD, United States, Childhood Arthritis and Rheumatology Research.</td>
</tr>
<tr>
<td>Hospital for Sick Children</td>
<td>2019-present Member, Quality &amp; Safety: Perioperative Services Strategic Planning Working Group.</td>
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<tr>
<td></td>
<td>2018-present Finance Lead, Pediatric Otolaryngology.</td>
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<tr>
<td></td>
<td>2017-present Member, Hospital Wide Morbidity and Mortality Committee.</td>
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<td></td>
<td>2016-present Supervisor, Safe Tracheotomy Care Parent Information Booklet.</td>
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<tr>
<td></td>
<td>2015-present Medical Advisor, Critical Airway Response Team.</td>
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<tr>
<td></td>
<td>2014-present Member, Pierre Robin Sequence Working Group.</td>
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<tr>
<td></td>
<td>2014-present Supervisor, Decreasing Tracheotomy Stay Initiative.</td>
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<tr>
<td></td>
<td>2013-present Member, Multidisciplinary Tracheoesophageal Fistula Clinic.</td>
</tr>
</tbody>
</table>

**Manuscript Reviewer**

<table>
<thead>
<tr>
<th>Year</th>
<th>Journal</th>
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<tbody>
<tr>
<td>2017-present</td>
<td>Sleep and Breathing.</td>
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<tr>
<td>2016-present</td>
<td>Dentistry Journal.</td>
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<tr>
<td>2016-present</td>
<td>Pediatric Pulmonology.</td>
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<tr>
<td>2015-present</td>
<td>Hospital Pediatrics.</td>
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<tr>
<td>2015-present</td>
<td>Pediatrics.</td>
</tr>
<tr>
<td>2014-present</td>
<td>The Laryngoscope.</td>
</tr>
<tr>
<td>2012-present</td>
<td>Sensors.</td>
</tr>
</tbody>
</table>
SHAH, M
2023-present Chief. Department of Otolaryngology-Head & Neck Surgery, North York General Hospital.

SHINGHAL, T
2023-present Member. Equity, Diversity and Inclusion Committee. Department of Otolaryngology-HNS, Temerty Faculty of Medicine.

SINGH, P
2022-present Chair, Quality and Safety Committee, Department of Otolaryngology-HNS, University of Toronto.
2020-2023 Member. OtoUpdate Planning Committee, Department of Otolaryngology-HNS, University of Toronto.
2020-2023 Associate Editor — Journal of Otolaryngology — Head and Neck Surgery.
2020-present Medical Director. Quality, Scarborough Health Network.

VESCAN, A

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

Canadian Society of Otolaryngology-Head & Neck Surgery
2022-present Past President/Executive Committee.
2021-2022 Immediate Past President.

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

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

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

World Congress on Thyroid Cancer
2022-2023 Member. Steering Committee, World Congress on Thyroid Cancer, June 14-17, 2023, London, UK.
### Associate Editor

2010-present

American Journal of Rhinology & Allergy.

### Member Editorial Board

<table>
<thead>
<tr>
<th>Year</th>
<th>Position</th>
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</thead>
<tbody>
<tr>
<td>2010-present</td>
<td>American Journal of Rhinology &amp; Allergy.</td>
</tr>
<tr>
<td>2010-present</td>
<td>Journal of Neurological Surgery, Part B: Skull Base.</td>
</tr>
<tr>
<td>2009-present</td>
<td>Ear, Nose &amp; Throat Journal.</td>
</tr>
</tbody>
</table>

### WOLTER, N

<table>
<thead>
<tr>
<th>Year</th>
<th>Position</th>
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</thead>
<tbody>
<tr>
<td>2021-present</td>
<td>Committee Member. Outreach/Research Committee. The Society for Ear Nose and Throat Advancement in Children.</td>
</tr>
<tr>
<td>2021-present</td>
<td>Co-Lead. Journal Club, Department of Otolaryngology-Head &amp; Neck Surgery, University of Toronto.</td>
</tr>
<tr>
<td>2020-present</td>
<td>Residency Site Education Director. Department of Otolaryngology-Head &amp; Neck Surgery, Hospital for Sick Children.</td>
</tr>
<tr>
<td>2019-present</td>
<td>Program Committee Member. Difficult Airway Committee. Perioperative Services Advisory Committee. Hospital for Sick Children.</td>
</tr>
<tr>
<td>2019-present</td>
<td>Program Committee Member. Surgical Site Infection Action Committee Perioperative Services. Hospital for Sick Children.</td>
</tr>
</tbody>
</table>

### Peer Reviewer

<table>
<thead>
<tr>
<th>Year</th>
<th>Journal Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017-present</td>
<td>The Laryngoscope.</td>
</tr>
<tr>
<td>2016-present</td>
<td>International Journal of Pediatric Otorhinolaryngology.</td>
</tr>
</tbody>
</table>

### YAO, C

2022-present

Member. University Health Network Head and Neck Cancer Survivorship Committee.

### ZIRKLE, M

2023-present

Director of Expansion. Scarborough Academy of Medicine and Integrated Health Expansion.
**CAMPISI, P**

2023  
Co-Investigator. Effects of Dexamethasone on Post-operative Opioid Requirement and Perioperative Respiratory Adverse Events in Pediatric Tonsillectomy: A Systematic Review with Meta-analyses. W. Ng, K. Aoyama, J. Hayes, P. Campisi, Hospital for Sick Children Perioperative Services Summer Studentship Award. $3,000 CAD.

**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.

**DABDOUB, A**

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

2021-24  
Principal Investigator. Sensory Hair Cell and Supporting Cell Homeostatic States. Hearing Health Foundation (USA). $600,000 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. $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.

**DAVIES, J**

2023  
Supervisor. The Impact of Patient-specific Surgical Cutting Guides on Pathological Margin Status: A Prospective Study on Virtual Surgical Planning in Head and Neck Cancer. Harry Barberian Scholarship Fund, Department of Otolaryngology-Head & Neck Surgery. University of Toronto. $5,000 CAD.

2023  
Use of Smartphone Infrared Thermography to Identify Free Flap Perforators and Assist in Free Flap Planning. Harry Barberian Scholarship Fund, Department of Otolaryngology-Head & Neck Surgery. University of Toronto. $5,000 CAD.

2023  
Supervisor. Utilizing Open-Source Software to Develop Low-Cost Patient Matched Oral-Maxillofacial Surgical Guides to Facilitate Patient Care and Improve Surgical Outcomes. Science of Care Research Award, Sinai Health. $10,000 CAD.

2023  
Supervisor. Use of Amnion/Chorion Allograft Onlay for Radial Forearm/Fibular Free Flap Donor Sites: Randomized Control Clinical Trial. Science of Care Research Award, Sinai Health. $10,000 CAD.
2023  Co-Investigator. Studying the Aerosolization Effect of Ultrasonic Cleaning Devices Post Cycle Completion in Hospital Settings to Clean Medical Devices and the Risk to the Staff Using These Devices to Better Inform the Types Personal Protective Equipment Requirements that Should be Used in Decontamination Zones of a Reprocessing Suite. Science of Care Research Award, Sinai Health. $10,000 CAD.

DE ALMEIDA, J

2023-present  Principal Investigator. SELECT Trial SPECT guided treatment of the contralateral neck in lateralized oropharynx cancer. PHRC Grant, Paris, France. 1,094,000 Euro


2022-2023  Co-Investigator. Accelerating Clinical Translation of Non-invasive Imaging and Molecular Biomarkers (ACT_NIMBly) Towards Adaptive Clinical Trials in Head and Neck Oncology. Princess Margaret Cancer Centre Catalyst Grant. Principal Investigator: Scott Bratman. Co-Investigators Benjamin Haibe-Kains, Andrea McNiven, Tony Tadic, John de Almeida, Kathy Han, Andrew Hope, Ali Hosni Abdalaty, Shao Hui Huang, John Kim, Ian King, Enrique Sans Garcia, Lillian Siu, Anna Spreafico, John Waldron, Wei Xu, Eugene Yu, Eric Zhao. $100,000 CAD.


DIMITRIJEVIC, A

2022-2027
Primary Investigator. Objective Measures of Real-World Cochlear Implant Outcome Using Psychoacoustics and Electrophysiology. Canadian Institutes of Health Research, Alain Claude. $619,650 CAD.

ENEPEKIDES, D

2019-2025
Co-Investigator. Business Lead Networks of Centres of Excellence (BL-NCE): Refined Manufacturing Acceleration Process 2.0 (ReMAP 2.0) "Open Architecture Surgical Innovation Suite - OASIS: Creating an Informational and Imaging Integrated Operating Room for the Next Generation of Surgery". $500,000 (total project value, $1,500,000). Principal Investigator: Victor Yang, MD, PhD.

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 Gottlib Conn, Zain Husain, Kelvin Chan, Julie Hallet, Alyson Mahar, Christopher Noel, Nicole Mittman Rinku Sutradhar, Houda Bahig. $442,614 CAD.

2020-2022
Principal Investigator. Symptom Burden as a Predictor of Emergency Room Visits and Unplanned Hospitalizations in Patients with Head and Neck Cancer Innovation Fund Sunnybrook Alternate Funding Plan Grant. Principal Investigators: Drs. Danny Enepekides and Antoine Eskander Co-Investigators: Drs. Natalie Coburn, Jonathan Irish, Zain Husain, John Kim, Julie Hallet, Nicole Mittman, Rinku Sutradhar, Lesley Gottlib Conn, Frances Wright, Christopher Noel. $100,000 CAD.

ESKANDER, A

2023-2026
Co-Applicant. Understanding Cancer Care Following a New or Suspected Cancer Diagnosis Through the Emergency Department. CIHR Project Grant. Principal Investigator: Grewal, Keerat. Co-Applicants: Jackie Bender, Bjug Borgundvaag, Sheldon Cheskes, Antoine Eskander, Jonathan Irish, Monica Krzyzanowska, Shelley L, McLeod, Rohit Mohindra, David Savage, Rinku Sutradhar, Venkatesh Thiruganasambandamoorthy, Rachel Walsh, Kerstin de Wit. $206,550 CAD.

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 Thiruganasambandamoorthy, 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


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 Gottlib Conn, Zain Husain, Kelvin Chan, Julie Hallet, Alyson Mahar, Christopher Noel, Nicole Mittman Rinku Sutradhar, Houda Bahig. $442,614 CAD.

2021-2023

2019-2022

GORDON, K
2023-2024
Co-Principal Investigator. Objective Measures of Auditory Spatial Attention in Cochlear Implant Users Using Audio-visual Movies. Department of Otolaryngology-Head & Neck Surgery, University of Toronto: Co-Pl: Andrew Dimitrijevic, $25,000 CAD.

2022-2027

2020-2024
Primary Investigator. Novel Treatment to Promote Spatial Hearing in Children Who are Deaf. CIHR Project Grant, Fall 2019 competition. Co-investigators: Papsin BC, Cushing SL, Collaborators: Scollie S, Papaioannou V. $559,980 CAD.

HIGGINS, K
2022
Collaborator. Combined Hyperbaric Oxygen Therapy and PENTOCLO for Osseoradionecrosis of the Mandible. Sunnybrook AFP grant. $100,000 CAD.

2019-present
Co-Investigator. Protective Effects of Sodium Thiosulfate and Mannitol Against Cisplatin-induced Hearing Loss: A Phase II Randomized Controlled Trial. New frontiers in Research Fund – Exploration Collaborator(s): Lin V, Chen J, Enepekides D, Karam I, Poon I, Hussain Z, Eskander A, Higgins KM. $125,000 CAD.

2018-present
Co-Investigator. Improving Integrative Care and Patient Experience by Diffusing and Disseminating Study Results of "Assessing the Impact of Cancer Care Ontario's Psychosocial Oncology &
Palliative Care Pathway in Head and Neck Cancer Patients”. Sunnybrook Health Sciences Centre Education Research and Scholarship Grant. Principal Investigator: Ellis J. Collaborator(s): Higgins KM. $8,500 CAD.

2015-present
Co-Investigator. The Application of MR-guided HIFU for Regionally Recurrent Unresectable Head and Neck Carcinoma. FUS Foundation. Principal Investigator: Lee J. Collaborator(s): Enepekides D, Higgins KM. $75,000 CAD.

2014-present

IRISH, J

2023-2025
Co-investigator. Understanding cancer care following a new or suspected cancer diagnosis through the emergency department. PI: Keerat Grew. CIHR Project Grant. $206,550 CAD.

2022-2024

2022-2024
Co-Investigator. Cancer Care for Patients Diagnosed with Cancer Through the Emergency Department. Canadian Association of Emergency Physicians. Grewal K. (PI) $10,000 CAD.

2022-2025

2022-2024
Knowledge User. The Long and Short of Disruptions in Surgical Services Due to COVID-19 Response: The Impact and Path Forward. CIHR Operating Grant: Addressing the Wider Impacts of COVID-19. PI: Sauro KM. $252,000 CAD.

2022-2024

2022-2024

2022-2024


LE, T

2021-2023 Principal Investigator. Protective Effects of Sodium Thiosulfate and Mannitol Against Cisplatininduced Hearing Loss: A Phase II Randomized Controlled Trial. Sunnybrook AFP-IPOC grant. $100,000 CAD.

2021-2023 Principal Investigator. Treatment of vestibular schwannoma in Neurofibromatosis 2 syndrome using Bevacizumab and Focused Ultrasound. Department of Otolaryngology-Head & Neck Surgery, University of Toronto. $25,000 CAD.

LIN, RJ

2023 Apr Principal Investigator. Microbiome Profile in iSGS. Department of Otolaryngology-Head & Neck Surgery, University of Toronto, Co-PI: Bryan Coburn, $25,000 CAD.

MARTINO, R


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.


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


Collaborator. Developing an AI-based Smartphone Application to Assess the Risk of Sleep Apnea and Distinguish its Types Using Speech and Video Analyses. Ted Rogers Centre for Heart Research Education Fund. Supervisor: Behrad, Taghibeyglou; KITE-Toronto Rehabilitation Institute and Institute of Biomedical Engineering University of Toronto. Collaborator: Chi-Ming Choi; Department of Medicine, University of Toronto.

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Year(s)</th>
<th>Project Title</th>
<th>Collaborators/Institutes</th>
<th>Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>SINGH, P</td>
<td>Co-Applicant</td>
<td>2023</td>
<td>REACH Scarborough. Canadian Institute of Health Research. Cafe Scientifique.</td>
<td>Principal Investigator: Carvalhal, Adriana. Collaborators: Griffiths, Shauna. Mohammed, Zahid.</td>
<td>$6,000.00 CAD.</td>
</tr>
<tr>
<td>VESCAN, A</td>
<td>Co-Primary Investigator</td>
<td>2019-present</td>
<td>Novel Applications of Cannabidiol in Rhinosinusitis a Murine Model.</td>
<td>Raymond Ng Innovation Fund, Department of OHNS, University of Toronto. Drs. Amr Hamour, Jong Lee, Eric Monteiro, John Lee.</td>
<td>$200,000 CAD.</td>
</tr>
<tr>
<td>WITTERICK, I</td>
<td>Co-Principal Investigator</td>
<td>2022-2024</td>
<td>Using high-dimensional spatial profiling to elucidate heterogeneity of tertiary lymphoid organs and their function in Head &amp; Neck Cancer.</td>
<td>Sinai Health’s Office of Technology Transfer &amp; Industrial and the Sinai Health Foundation Sandbox Fund Competition. Co-PIs Witterick IJ, Schramek D, Collaborators: Fu, D, Zhang, L.</td>
<td>$50,000 CAD.</td>
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<tr>
<td>WONG, E</td>
<td>Project Team Lead</td>
<td>2023</td>
<td>Improving the Waiting Room Experience for Patients with Hearing Loss.</td>
<td>Sunnybrook Health Sciences Centre, Practice-Based Research and Innovation.</td>
<td>$5,000 CAD.</td>
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<tr>
<td>YAO, C</td>
<td>Co-investigator</td>
<td>2023</td>
<td>Developing Treatments for Foregut Failure: Laying the Groundwork for Esophageal Transplantation.</td>
<td>Elliot Wakeam, Tom Waddell, Jonathan Yeung, Kazuhiro Ysaufuku, UHN Translational Research Seed Grant.</td>
<td>$40,000 CAD.</td>
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<tr>
<td></td>
<td>Principal Investigator</td>
<td>2023</td>
<td>Optimizing Angles and Minimizing Bite Forces for Long-term Stability in Mandibulectomies – A Sawbones Pilot Study.</td>
<td>Hugh Kim, Department of Otolaryngology-Head &amp; Neck Surgery, University of Toronto, Harry Barberian Scholarship Fund.</td>
<td>$5,000 CAD.</td>
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<tr>
<td></td>
<td>Co-investigator</td>
<td>2023</td>
<td>Use of Smartphone Infrared Thermography to Identify Medial Sural Artery Free Flap Perforators and Assist in Free Flap Planning.</td>
<td>Gianluca Sampieri, Joel Davies, Kevin Higgins. Department of Otolaryngology-Head &amp; Neck Surgery, University of Toronto, Harry Barberian Scholarship Fund.</td>
<td>$5,000 CAD.</td>
</tr>
</tbody>
</table>
Residents & Fellows
Residents & Fellows

PGY 1
Emily Yi Qin Cheng
Nicole Crimi
Hugh Kim
Ahmad Mirza
Jacob Wihildal

PGY 2
Mandolin Bartling
Tian (Tanya) Chen
Elysia Grose
Amirpouyan (Pouyan)
Namavarian
Gianluca Sampieri

PGY 3
Garret Horton
Marc Levin
Justine Philteos
Ahmed Saleem
Lily Wang

PGY 4
Fahad Aldhahri
Adam Kwinter
Chantal Li
Christopher Noel
Dongho (Brian) Shin
Edward Sykes
Grace Yi

PGY 5
Amr Hamour
Jong Wook (John) Lee
Vincent Wu
Weining Yang
Hedyeh Ziai
<table>
<thead>
<tr>
<th>Fellowship</th>
<th>Fellow</th>
<th>Country of Training</th>
<th>Mentor(s)</th>
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<tbody>
<tr>
<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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<tr>
<td></td>
<td>Michael Hajek</td>
<td>United States</td>
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<td></td>
<td>Shayanne Lajud Guerrero</td>
<td>Dominican Republic</td>
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<td>Mohammed Mamdani</td>
<td>United States</td>
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<td>Esmat Najjar</td>
<td>Israel</td>
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<td>Sharon Tzelnick</td>
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<td>Joaquin Ignacio Ulloa Suarez</td>
<td>Chile</td>
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<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>Joaquin Ignacio Ulloa Suarez</td>
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<tr>
<td>University Health Network Otolaryngology</td>
<td>Tiziana Mondello</td>
<td>Italy</td>
<td>University Health Network: Drs. Ralph Gilbert, Jonathan Irish</td>
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<tr>
<td>Research Fellowship</td>
<td>Alessandra Ruaro</td>
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<td></td>
<td>Mohammad Alomani</td>
<td>Kuwait</td>
<td>Dr. Andres Gantous</td>
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<td></td>
<td>Aseel Osama Doubi</td>
<td>Saudi Arabia</td>
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<tr>
<td>Facial Plastic &amp; Reconstructive Surgery</td>
<td>Mohammed Abdulkader Jomah</td>
<td>Saudi Arabia</td>
<td>Dr. Oakley Smith</td>
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<tr>
<td>Facial Plastic &amp; Reconstructive Surgery</td>
<td>Rohan Joshi</td>
<td>United States</td>
<td>Dr. Jamil Asaria</td>
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<tr>
<td>Paediatric Otolaryngology</td>
<td>Khaloud Al Bahri</td>
<td>Oman</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></td>
<td>Abeer Alali</td>
<td>Kuwait</td>
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<td>Jianli Samantha Goh</td>
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<td>Tal Honigman</td>
<td>Israel</td>
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<td>Rhinology, Skull Base and Head &amp; Neck Oncology</td>
<td>Maru Gete</td>
<td>Israel</td>
<td>Sinai Health: Drs. Ian Witterick, Allan Vescan, Eric Monteiro</td>
</tr>
<tr>
<td>Otology Skull Base Surgery</td>
<td>Demir Bajin</td>
<td>Turkey</td>
<td>Sunnybrook HSC: Drs. Joseph Chen, Vincent Lin</td>
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<td>Omer Yaacov Ungar</td>
<td>Israel</td>
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<td>Medical &amp; Surgical Otology/Neurotology</td>
<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>
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<td>Tiarra Magos</td>
<td>United Kingdom</td>
<td>Markham Stouffville Hospital: Drs. Jerry Halik, Ambrose Lee</td>
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<td>Robert William John Mcleod</td>
<td>Wales</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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<tr>
<td></td>
<td>Huixin Hu</td>
<td>Singapore</td>
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</table>
Departmental Awards
Departmental Awards Program

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

Resident Awards

*Chapnik, Freeman and Friedberg Clinical Scientist Program Award* was presented to **Dr. Janet Chung** - 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. Ian Witterick Excellence in Mentorship and Innovation Award* presented to **Dr. Jong Wook Lee (PGY5)** - in recognition of excellence in one or more of the following areas: research, education, mentorship and/or innovation.

*Dr. Ian Witterick Research Award in Otolaryngology-Head & Neck Surgery* presented to **Dr. Justine Philteos and Matsya Thulasiram** - in recognition of the best overall research paper awarded at Percy Ireland Academic Day and a second award to another category winner at Percy Ireland Academic Day as chosen by the adjudication committee.

*Freda Noyek Otolaryngology Merit Award* presented to **Dr. Justine Philteos (PGY3)** - In recognition of special commitment to patient care and/or academic achievement.
Judy Chauvin Otolaryngology Resident presented to Dr. Tanya Chen (PGY2) - In recognition of an enthusiastic interest in the initiation of a serious otolaryngology-related research project.

Nimeck Otolaryngology Award presented to Dr. Jong Wook Lee (PGY5) - in recognition of a resident in the department who have an interest in hearing loss and/or skull base tumours.

Wharton Head & Neck Research Award presented to Dr. Justine Phiteos (PGY3) - In recognition of the best paper in head and neck oncology presented at the Percy Ireland Academic Day.

Follow Awards

Kris Conrad Merit Award in Facial Plastic Surgery presented to Dr. Mohammad Jomah - For demonstrating achievements in the field of research, and perseverance in attaining the highest level of expertise in the performance of facial plastic surgery.
Teaching Awards

The Alma Smitheringale Excellence in Undergraduate Teaching Award presented to Dr. Aman Grewal - Awarded to a faculty member, resident or fellow for outstanding undergraduate teaching or curriculum development.

Resident Teacher of the Year Award presented to Dr. Amr Hamour - 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.

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

Department of Otolaryngology-Head & Neck Surgery Excellence in Teaching Award presented to Dr. Kevin Higgins - 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.
Resident Advocate Awards presented to Drs. Antoine Eskander & Eric Monteiro - In recognition of an individual faculty member who particularly demonstrates commitment to advocacy in the residency program.

Distinguished Alumnus Award presented to Dr. Vincent Lin - 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

Harry Barberian Scholarships presented to

Dr. Mandolin Bartling for her project entitled: “AI-Powered Fluorescence Imaging for Surgical Guidance: Oral Cancer Post-Excision Margin Evaluation”. Mentors: Dr. Jon Irish/Mike Daly

Dr. Tanya Chen for her project entitled “The Impact of Patient-specific Surgical Cutting Grades on Pathological Margin Status: A Prospective Study on Virtual Surgical Planning in Head and Neck Cancer”. Mentor: Dr. Joel Davies

Dr. Hugh Kim for his project entitled: “Optimizing Angles and Minimizing Bite Forces for Long Term Stability for Mandibulectomies: A Sawbones Pilot Project”. Mentor: Dr. Christopher Yao

Dr. Daniel Mul for his project entitled: “Smart Materials for Button Battery Impaction Protection”. Mentor: Dr. Nikolaus Wolter

Dr. Gianluca Sampieri for his project entitled: “Use of Smartphone Infrared Thermography to Identify Medial Sural Artery Free Flap Perforators and Assist in Free Flap Planning”. Mentor: Dr. Joel Davies
**Dr. Raymond H. W. Ng Graduate Award** presented to **Mr. Boaz Ehiogu** - 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. Raymond H. W. Ng PhD Awards** presented to **Priyanka Prince and Robel Alemu** - 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.

**Wilfred Goodman Award in Facial Plastic and Reconstructive Surgery** presented to **Dr. Jin Soo Song (PGY5, University of Alberta)** - Awarded to a resident or fellow who is undertaking their education and research in the field of facial plastic and reconstructive surgery.
Percy Ireland
Academic Day
Annual Percy Ireland Dinner
Friday April 28, 2023

University of Toronto’s Hart House, Music Room
31st Annual Percy Ireland Academic Day

Saturday April 29, 2023
The Department of Otolaryngology-Head & Neck Surgery held its 31st Annual Percy Ireland Academic Day at the Chestnut Conference Centre on Saturday April 29, 2023.

Dr. KJ. Lee (Associate Clinical Professor, Yale University) delivered The Percy Ireland Oration on Friday April 28, 2023 titled: We Are in a Stupendous Specialty and Career-Sharing Positive Thoughts

Dr. Ian J. Witterick 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 graduate degree students: Awarded to Matsya Thulasiram for her project: “Investigating the Proliferative Capacity of the Young and Adult Stria Vascularis Using in Vitro Whole-Tissue Organotypic Explants”. Mentor: Dr. Alain Dabdoub

Category 2 - Work undertaken by PGY2 residents during clinical rotation: Awarded to Dr. Mandolin Bartling for her project: “Deep Learning-Enabled Fluorescence Imaging for Surgical Guidance: Tumour Depth Modelling with Patient Imaging”. Mentor: Dr. Jonathan Irish, Michael Daly

Category 3 - Work undertaken by PGY3 residents during clinical rotation: Awarded to Dr. Justine Philteos for her project: “Telemedicine Enabled Biofeedback Electropalatography Rehabilitation (TEBER): A Pilot Study for Patients Treated with Surgery for Oral Cavity Carcinoma”. Mentors: Drs. John de Almeida, Dale Brown, Douglas Chepeha, Ralph Gilbert, David Goldstein, Patrick Gullane, Jonathan Irish, Eric Monteiro, Christopher Yao

Category 4 - Work undertaken by PGY4 residents during clinical rotation: Awarded to Dr. Christopher Noel for his project: “Association of Household Income at Diagnosis with Financial Toxicity, Health Utility, and Survival in Patients with HNC”. Mentor: Dr. John de Almeida

Category 5 – Work undertaken by post-residency research/clinical fellows and postdoctoral fellows during clinical rotation: Awarded to Dr. Vivek Sharma for his project: “Neurophysiological Evidence for Aberrant Auditory Processing for Language in Autism Spectrum Disorder”. Mentor: Dr. Karen Gordon
Executive Committee

Dr. Danny Enepekides (Chair)


The departmental executive committee is the senior advisory body to the chair. The committee includes hospital chiefs, the directors of undergraduate and postgraduate medical education, continuing professional development, education, and research vice chairs, chairs of committees (UME, RPC, CPD, Appointments, Advancement, Community Academic Faculty, Research, Promotions, Quality & Safety, and Equity, Diversity & Inclusion), and the heads of our divisions. This year the department expanded the divisional model and established new divisions of otology/neurotology, laryngology, and general otolaryngology. I would like to congratulate our new Chiefs Drs. Adrian James (Division of Otology/Neurotology), R. Jun Lin (Division of Laryngology), and Janet Chung (Division of General Otolaryngology). The executive committee receives reports from all standing committees monthly and distributes the minutes of meetings to all 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 exceptional members of this committee.
Dr. Ambrose Lee (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

Dr. Lee assumed the role of UME director on April 1, 2023.

Tasks
- Plan for the Core Lectures for Med IIs
- Redesign the ME exam for Med IIIIs with the Director of Assessment
- Ensure that the Department is well represented in the examiner pool for the OSCE in February 2024
- Work with the MD Clerkship to refine the curriculum

Highlights
- Survived COVID.
- No major complaints from Head of Otolaryngology at MacKenzie Health

Goals for the coming year
- Ensure that the new ME exam questions are well validated and ready for administration
The department celebrated the graduation of our PGY residents and fellows on a fabulous event on June 15, 2023 at the Hart House. It was well attended, and we congratulated our graduating trainees and celebrated with family and friends. We also welcomed our new incoming PGY1s in July 2023, Drs. Ryan Daniel (UofT), Carlos Khalil (UofT), Melissa Lee (UBC), Dorsa Mavedatnia (UofOttawa) and Jessica Trac (UofT). The department hosted welcome events for both the residents and fellows at the homes of Drs. Lin and Enepekides.

Our residents and fellows continue to bring great pride to our department by their contributions to both national and international societies. Dr. Tanya Chen won a prize at the 2023 Poliquin Resident Research competition held in Toronto. Multiple residents also volunteered their time to join faculty on their humanitarian trips. Drs. Amr Hamour, Tanya Chen, Elysia Grose and Brian Shin joined Drs. Eric Monteiro and Lin on their semi-annual trips to Sioux Lookout Ontario. Drs. Garret Horton, Ed Sykes and Grace Yi joined Drs. Everton Gooden, Higgins and Lin on their mission trip to Migori, Kenya in September 2023.

We continue to also try and improve resident wellness by having mentorship events with our faculty who generously donate their time towards this endeavor. We also have had some resident fun events such as Bubble Tea night and the Halloween Hunger games that was just recently held and we’re happy to report no major injuries were sustained.

We also want to thank our faculty members for their dedication to teaching and the well-being of all of our trainees. It is a privilege to be able to be a part of their development into full fledged future colleagues.

We also want to recognize our amazing departmental admin, Andrea Donovan and her maternity leave replacement, Olivia Beasley who makes our jobs so much enjoyable!

Our department is extremely proud of our residents and fellows who continue to inspire and teach us by their hard work and dedication to our specialty and patients. We look forward to another enriching and fulfilling academic year.

**Highlights**

- Mentorship program
- Humanitarian outreach
- Wellness events
- Support for National Study Course
- Academic half day
- Exam study course
- Journal club
- Conferences
The CPD content is delivered through weekly Grand Rounds, visiting professors, named lectureships, interactive as well as hands-on skills courses both in person and virtually. Course contents are developed through annual needs assessment and consultation with our residents, fellows, as well as community and academic physicians.

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

Our 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. 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 Ivy Chang, our Events Coordinator for her 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>
</tr>
</thead>
<tbody>
<tr>
<td>February 4, 2023</td>
<td><strong>Otolaryngology Update 2023</strong>&lt;br&gt;(Drs. Yvonne Chan, Janet Chung, Danny Enepekides, R. Jun Lin, Vincent Lin, Dongho Shin, Praby Singh, Nikolaus Wolter)</td>
<td>Dr. David M. Cognetti, Thomas Jefferson University&lt;br&gt;Dr. Rebecca Colman&lt;br&gt;Sinai Health System&lt;br&gt;Marta Deluca&lt;br&gt;Unity Health Toronto&lt;br&gt;Dr. Priya Krishna&lt;br&gt;Loma Linda University Health System&lt;br&gt;Dr. Daniel J. Lee&lt;br&gt;University of Pennsylvania&lt;br&gt;Dr. Andrew Thamboo&lt;br&gt;St. Paul's Sinus Centre&lt;br&gt;Dr. Patrick Scheffler&lt;br&gt;Phoenix Children’s Hospital</td>
</tr>
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### Invited Professors/Invited Guests

**June 23, 2023**  
Brian W. Rotenberg, MD, MPH, FRCSC, CCPE  
Professor and Residency Program Director  
Dept of Otolaryngology - Head & Neck Surgery  
Schulich School of Medicine and Dentistry  
Western University  
Chair, Medical Advisory Committee, St. Joseph’s Health Care  
co-Editor, Journal of Otolaryngology - Head and Neck Surgery  

**TITLE OF PRESENTATION**  
Endoscopic Surgery of the Eustachian Tube: A Handshake between Rhinology and Otology
May 26, 2023
JOSEPH K.H. WONG/SMILE CHINA LECTURE
Travis T. Tollefson, MD, MPH, FACS
Professor and Director, Facial Plastic & Reconstructive Surgery
Co-Director, UC Davis Cleft and Craniofacial Team
Director, Fellowship in Facial Plastic Surgery and Reconstructive Surgery
Department of Otolaryngology-Head & Neck Surgery, University of California, Davis Health

Surgeons Volunteering: Reshaping the Conversation of Giving

May 19, 2023
KRISTA RIKO LECTURE
Jeffrey R. Holt, PhD
Professor of Otolaryngology & Neurology
Director of Research, Otolaryngology
F.M. Kirby Neurobiology Center
Boston Children’s Hospital
Harvard Medical School
Harvard-MIT Health Sciences & Technology Faculty

Function, Dysfunction and Restoration of Sensory Transduction Channels in the Inner Ear

May 12, 2023
Sat Parmar, BChD, BMBS, BMedSci, FDSRCS, FRCS, FRCS (OMFS)
Consultant Oral and Maxillofacial / Head and Neck / Reconstructive Surgeon
University Hospital Birmingham
United Kingdom

3 Dimensional Bony Reconstruction and the DCIA

May 5, 2023
Michael Gupta, MD, MSc, FRCSC
Associate Professor
Department of Otolaryngology-Head & Neck Surgery
McMaster University

Cannabis in Head and Neck Cancer
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<th>Date</th>
<th>Event Description</th>
<th>Speakers</th>
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<tr>
<td>March 31, 2023</td>
<td>Surgical Coaching: Peer to Peer Coaching for Practicing Staff</td>
<td>Jane Lea, MD, FRCSC (Clinical Professor), St. Paul's Hospital, BC</td>
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<td>Rotary Hearing &amp; Balance Centre, BC Rotary Hearing &amp; Balance Centre,</td>
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<td>UBC Otology &amp; Neurotology</td>
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<td>March 24, 2023</td>
<td>Choosing Between Balloons and Bear Spray</td>
<td>Tori Murden McClure, M.Div, J.D, M.F.A. (President, Spalding University)</td>
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<td>Louisville, Kentucky</td>
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<td>March 3, 2023</td>
<td>Case-Based Discussion: Cultural Complications</td>
<td>Yvonne Chan, MD, FRCSC, MSc, HBSc, Sunit Das, MD, PhD</td>
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<td>(Associate Professor, Neurosurgery, University of Toronto)</td>
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<td>&amp; Radha P. Kohly, MD, PhD, FRCSC (Assistant Professor, Eye, Diversity,</td>
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<td>Inclusion and Global Health)</td>
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<td>&amp; Laura Snell, MD, MS, FRCSC (Assistant Professor, Surgery, University</td>
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<td>Co-Director, Equity, Diversity, and Inclusion, Dept of Surgery, University</td>
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<td>of Toronto, Plastic and Reconstructive Surgeon, Sunnybrook Health</td>
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**March 31, 2023**
Jane Lea, MD, FRCSC
Clinical Professor, Division of Otolaryngology-Head & Neck Surgery
University of British Columbia
Director, BC Rotary Hearing & Balance Centre,
St. Paul’s Hospital, Providence Health Care
Fellowship Director, UBC Otology & Neurotology

**March 24, 2023**
Tori Murden McClure, M.Div, J.D, M.F.A.
President
Spalding University
Louisville, Kentucky

**March 3, 2023**
Moderator: Yvonne Chan, MD, FRCSC, MSc, HBSc
Sunit Das, MD, PhD
Associate Professor, Division of Neurosurgery, University of Toronto
&

Radha P. Kohly, MD, PhD, FRCSC
Assistant Professor, Dept of Ophthalmology and Vision Sciences,
University of Toronto
Sunnybrook Health Sciences Centre
Vice Chair of Faculty Development, Equity, Diversity & Inclusion and Global Health
&

Laura Snell, MD, MS, FRCSC
Assistant Professor, Department of Surgery, University of Toronto
Co-Director, Equity, Diversity, and Inclusion, Dept of Surgery, University of Toronto
Plastic and Reconstructive Surgeon
Sunnybrook Health Sciences Centre
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<th>Date</th>
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<tr>
<td>February 24, 2023</td>
<td>What's Beyond Competencies? Teaching for Humanism in Medical Education</td>
<td>Arno K. Kumagai, MD&lt;br&gt;Professor and Vice Chair for Education&lt;br&gt;Department of Medicine&lt;br&gt;FM Hill Chair in Humanism Education&lt;br&gt;Women's College Hospital&lt;br&gt;University of Toronto</td>
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<td>February 10, 2023</td>
<td>Breaking Barriers with Sound: The Past and Future of Focused Ultrasound in Neurosurgery</td>
<td>Nir Lipsman, MD, PhD, FRCSC&lt;br&gt;Neurosurgeon, Sunnybrook Health Sciences Centre&lt;br&gt;Associate Professor, Department of Surgery, University of Toronto&lt;br&gt;Scientist, Sunnybrook Research Institute&lt;br&gt;Member, Institute of Medical Science&lt;br&gt;Director, Harquail Centre for Neuromodulation&lt;br&gt;Director, Neurosurgery Residency Program</td>
<td>Sunnybrook Health Sciences Centre&lt;br&gt;University of Toronto&lt;br&gt;Sunnybrook Research Institute&lt;br&gt;Institute of Medical Science&lt;br&gt;Harquail Centre for Neuromodulation&lt;br&gt;Neurosurgery Residency Program</td>
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<td>February 3, 2023</td>
<td>Multidisciplinary Approach to Pediatric Feeding Disorders: Current Controversies and Future Directions</td>
<td>Patrick Scheffler, MD, CM, FRCSC&lt;br&gt;Staff Physician&lt;br&gt;Department of Otolaryngology&lt;br&gt;Phoenix Children’s Hospital</td>
<td>Phoenix Children’s Hospital&lt;br&gt;Department of Otolaryngology</td>
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<tr>
<td>January 13, 2023</td>
<td>Reena Pattani, MDCM, MPH, FRCPC</td>
<td>Staff Physician, Division of General Internal Medicine, Department of Medicine, St. Michael's Hospital, Assistant Professor, Department of Medicine, University of Toronto, Director of Learner Experience, Temerty Faculty of Medicine, University of Toronto</td>
<td>Learner Mistreatment in Medicine</td>
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<td>January 6, 2023</td>
<td>Matthew Crowson, MD, MPA, MASc, FRCSC</td>
<td>Attending Surgeon, Neurotology &amp; Otology, Massachusetts Eye &amp; Ear, Massachusetts General Hospital, Assistant Professor, Investigator, Department of Otolaryngology-Head &amp; Neck Surgery, Harvard Medical School</td>
<td>Computer Vision for Irritable Toddlers: Improving Diagnostic Accuracy for Ear Infections</td>
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<td>November 25, 2022</td>
<td>Fei-Fei Liu, MD, FRCPC, FASTRO</td>
<td>Chief, Radiation Medicine Program, Princess Margaret Cancer Centre, Head, Department of Radiation Oncology, Princess Margaret Cancer Centre, Scientific Director, Canadian Institute for Health Research (CIHR) Institute of Cancer Research, Senior Scientist, Princess Margaret Cancer Research Institute</td>
<td>What Have I Learned in my First 90-Days in this New Job at CIHR?</td>
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### November 18, 2022
**Moderator:** Yvonne Chan, MD, FRCSC, MSc, HBSc  
Martin Desrosiers, MD, FRCSC  
Clinical Professor  
Otolaryngology-Head & Neck Surgery  
Université de Montréal  
&  
**Arif Janjua, MD, FRCSC**  
Clinical Associate Professor  
Rhinology, Endoscopic Sinus & Skull Base Surgery  
Division of Otolaryngology - Head & Neck Surgery  
University of British Columbia  

Upper Airway AIRTIME: East Meets West, An Interactive Exchange on CRSwNP Topics

### November 4, 2022
**Boban M. Erovic MD, PD, MBA**  
Chief Surgeon  
Institute of Head and Neck Cancer, Evangelical Hospital  
Associate Professor, Department of Otolaryngology, Head and Neck Surgery  
Medical University of Vienna  

Serratus Anterior Free Flap

### October 14, 2022
**Laura Snell, MD, MS, FRCSC**  
Assistant Professor, Dept of Surgery, University of Toronto  
Co-Director, Equity, Diversity, and Inclusion, Dept of Surgery, University of Toronto  
Plastic and Reconstructive Surgeon, Sunnybrook Health Sciences Centre  

The Integration of the Principles of Equity, Diversity, and Inclusion (EDI) into Surgical Practice and Training: Where Do We Start?

### October 7, 2022
**Ramandip Grewal, PhD**  
Scientist at Public Health Ontario  
PhD in Public Health and Epidemiology  
Dalla Lana School of Public Health, University of Toronto  

HPV Vaccination in Canada: Focus on Ontario
Dr. Alain Dabdoub (Chair)

Members: John de Almeida, Michael Daly, Joel Davies, Andrew Dimitrijevic, Antoine Eskander, Karen Gordon, John Lee, R. Jun Lin, Nikolaus Wolter, Tanya Chen (resident)

Our discovery, clinical, and translation research is ‘leading innovation and achieving impact’ across otolaryngology – head & neck surgery. We rely on our diverse trainees, including residents, clinical fellows, graduate students, postdoctoral fellows and research staff, to conduct and advance research on issues relevant to human disease. Our success is evident throughout this report in number and quality of our publications, national and international scientific presentations, collaborations across the city and the world, and an ever-increasing level of success in funding.
Department
Appointments
Committee

Dr. Kevin Higgins (Chair)

Members: Yvonne Chan, Janet Chung, Alain Dabdoub, Danny Enepekides (ex-officio), Ralph Gilbert, Vicky Papaioannou, Blake Papsin, Ian Witterick

Committee activities for the past academic year:

• Approved to cross-appoint Dr. Scott Bratman to OHNS
• Reviewed the full-time hiring requirements and guidelines
• Reviewed the HSC job posting for a full-time academic pediatric otolaryngologist
• Reviewed the dossiers of Kaitlyn Harvey and Mostafa Eldaebes; both were approved for appointment at the rank of lecturer
• Conducted mid-term probationary reviews at 18 months for Drs. Neil Bailie and Joel Davies
• Reviewed the dossier of Dana Song and her appointment at the rank of lecturer was approved
• Dr. Higgins presented an overview of Dr. Siu’s Memorandum of Agreement
• Dr. Chung provided an update on the recruitment process for Amr Hamour (Assistant Professor), Vincent Wu (Lecturer), and Weining Yang (Lecturer) for endocrine surgery, general practice otolaryngology and enhanced community academic partnerships overall.
• Initiated discussion to hire an otologist for the 2024 summer fiscal year with candidate evaluations occurring between December and January.
• Stakeholder collaborations were discussed relative to the new Division of Otology engagement with the possibility of cross-appointment with Western Toronto General Otology–Neuro-otology position.
The 2022–23 cycle was a busy one for the Departmental Promotions Committee. Five candidates were selected to apply for senior promotion and all applicants were promoted by the University of Toronto. The five candidates were all surgeons who were going forward to Associate Professor (n=3) or Full Professor (n=2) based on excellence in Creative Professional Activities (CPA) and competence in Education and Teaching. Strong applications were submitted to the University Decanal Promotions Committee using a new CPA dossier template and detailed pre-submission review by the departmental committee.

An information night was held on March 29, 2022 to provide faculty with an update and information on the processes for junior and senior promotion. It was held virtually (via zoom) and well attended.

Looking ahead to the next cycle, two surgeons have prepared their promotion dossiers and supporting letters are being requested.

**Highlights**

**Accomplishments and strengths:**
- Successful application process for senior promotion
- No requests from the Decanal Committee for Chair presentation of any candidate

**Challenges:**
- Compressed timeline to get applications in by January 2023 to the Decanal Committee
- Difficulties getting external letters for almost all candidates and significant challenges in some cases.

**Goals for the coming year**
- Expanded schedule for Departmental Promotions Committee
- Earlier initiation of request for dossiers and other application documents from candidates
- Earlier deadline for submission of dossiers and other application documents from candidates
- Earlier requests for external and other letters
- Encouragement for faculty to consider career trajectories and leadership in context with junior and senior promotion. Specific focus could be on new faculty and audiology
- Consider recruitment of new members to the departmental committee for upcoming cycles as several present members are nearing retirement.
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 fundraising dinners, CPD revenues and we have been frugal with our budget expenditures. I want to thank all members of the Budget Advisory Committee for their help and advice.
Community
Academic Faculty

Dr. Janet Chung (Lead)

The Community Academic Faculty continues to play an active and significant role in all levels of education and research within the department. At the undergraduate level, clinical teachers at all the academies are actively involved in the Clinical Skills 1 and 2 as well as clerkship teaching. Medical students are also being supervised by our community faculty during clinical observerships, both 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. PGY4/5 residents have a one-month rotation in Facial Plastic Surgery. In addition to residency training, world renowned fellowships in Facial Plastic Surgery are offered by Drs. Jamil Asaria, Oakley Smith, Dr. Andres Gantous, and Dr. Phil Solomon.

Our Community Academic Faculty is involved in Continuing Professional Development of practicing otolaryngologists. We were involved in the planning and sponsorship of the successful 21st Annual Otolaryngology Update in February 2023 held in person, the first since the COVID-19 pandemic. It was extremely well attended and highly rated by otolaryngologists across Ontario. A Community Academic faculty WhatsApp group along with many industry-sponsored dinners have brought our committee together and has created a channel for information sharing.

The Distinguished Alumnus Award this year was awarded to Dr. Vincent Lin.

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.

Highlights
- CAF WhatsApp group formation
- Multiple industry sponsored Journal Clubs

Goals for the coming year
- Participate in Grand Rounds
- Continue contribution to medical education (UME, PGME)
- Support Scarborough Academy UME expansion
The Quality and Safety Committee (QSC) had a successful 2022-2023 Academic year, including a new organization and structure of the committee.

The focus of the committee is now to help support divisions of OTO-HNS as they continue to improve patient outcomes and experience, while helping the PGY-1 on their quality journey in the Surgical Foundations course from the Department of Surgery.

We had a successful academic year with excellent rounds provided by Dr. Jane Lea from the University of British Columbia on surgical coaching. This was followed up by our PGY-1’s winning the best quality improvement project for their work on decreasing waste in the pediatric clinic at the Hospital for Sick Children.

The terms of reference for the committee have been updated and we look forward to supporting our divisions as they work on continuous improvement.

**Highlights**

- Rounds on Surgical Coaching – Dr. Jane Lea
- Best QI Project – PGY-1 QI Curriculum – Surgical Foundation Course
- Best QI Mentor – Dr. Vinay Fernandes

**Goals for the coming year**

- Develop QI plans for each division for the 2023-2024 Academic year
- Support PGY-1s with QI Project in Surgical Foundations
- QI Focused rounds in March 2023

Our department's EDI committee was officially established in April 2023.

Yvonne Chan, Adam Kwinter, and I are excited about the diverse faculty, residents, and medical students who have chosen to join our committee.

We are excited to focus on implementing our goals (see below) to help strengthen and diversify our department, provide more support for our minority members, and encourage a more healthy work/life balance for the entire department.

Highlights
• Confirmed our committee members made up of academic staff, community staff, OTOHNS residents, and medical students
• Had our first committee in May 2023
• Created a list of goals/priorities for the 2023-2024 academic year
• Created subgroups to help accomplish our priorities based on committee member interests

Goals for the coming year
• Increase access and mentorship opportunities for diverse students from pre-medical school stage (ie. high school)
• Provide faculty with more practical guidelines and teaching tools for training diverse learners
• Continue to use and improve EDI best practice guidelines during search and promotion committees
• Improve the current faculty – resident relationship + continue to prioritize resident wellness
• Establish the current diversity strengths within our department + establish a method to track progress over time
The Audiology Division is composed 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. PGY1 Residents were welcomed with an introduction to the audiogram done by audiologist and division member Maria Simone at Dr. Lin’s home as part of their orientation to the Department. The core lecture series for the otolaryngology residents took place in late September and into early October. PGY2 Teaching was done by audiologists from the University Health Network, while PGY3s were with audiologists from SickKids and PGY4s with the Sunnybrook audiologists.

Kids2Hear, a primary preventative health initiative whereby medical students from the University of Toronto provide hearing and otoscopy screening returned this year after 3 years with no screenings due to the pandemic! Although contractual issues prevented medical students from carrying out screenings in schools, the students improvised and carried out screenings in clinics in a variety of locations in the spring and were accompanied by audiologists and fellows from the Hospital for Sick Children.

The Krista Riko lecture occurred in person this year and Krista herself attended once again. Jeff Holt, Professor in the Department of Otolaryngology–Head and Neck Surgery at Harvard Medical School discussed the molecular components of the sensory transduction apparatus in auditory and vestibular hair cells and genetic deficits that lead to hearing and balance dysfunction. He also reviewed current gene therapy strategies being developed for restoration of hearing and balance. Long-time division member Julija Adamonis from Sunnybrook retired this year and will be sorely missed by the entire division and the department.

**Highlights**
- Audiologists working on University appointments
- Promotion process may make it more difficult in future for non-MD appointments and promotions

**Goals for the coming year**
- Assist Division members with promotion
- School-based hearing screenings through Kids2Hear
I am pleased to present the annual report on the activities of the Division of Facial Plastic and Reconstructive Surgery for the 2022-2023 academic year.

Our division is comprised of the following individuals: Dr. Peter A. Adamson (retired from clinical practice, Dr. Adamson is still very much involved in teaching), Dr. Ralph Gilbert, Dr. Danny Enepekides, Dr. David Goldstein are full professors. Dr. Kryzstof Conrad (retired), Dr. Andres Gantous, 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. Enepekides, our chairman and Dr. Lin, our program director has been invaluable.

POSTGRADUATE MEDICAL EDUCATION TEACHING

Workshops
The Soft Tissue Dissection course was held on November 2022. The course was co-directed by Drs. Brandt and Alexander. This is always very popular the residents and offers invaluable teaching opportunities.

The Injectables course was directed and hosted by Dr. Asaria in February 2023, with Drs. Alexander and Gantous in attendance. It was a fun and instructive evening.

The Rhinoplasty Dissection course took place in April 2023 and was a success. This was directed by Dr. Gantous, and we had Drs. Smith, Rival and Solomon present and helping with the teaching and demonstrations.

Fellowships
Currently the division recognizes four fellowship programs in FPRS. Drs. Asaria and Smith both have an AAFPRS fellow. Drs. Solomon and Rival, and Dr. Gantous have one University of Toronto accredited clinical fellow. Drs. Rival and Solomon have been approved for a second fellow for 2023. Dr. Gantous’ fellowship is currently being accredited by the International Board of Facial Plastic and Reconstructive Surgery.
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 otolaryngology-head and neck surgery programs.

Out of Specialty PGME teaching

Dr. Gantous 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. Dr. Brace was an invited speaker at several national meetings this past year. Dr. Asaria gave nine presentations as Invited/Faculty at national and international meetings. Dr. Gantous gave 18 presentations as Teacher of Honour, Invited Faculty at several national and international meetings. Dr. Adamson was a Guest of Honour and made an Honorary Fellow of the Spanish Society of Facial Plastic Surgery this past November 2022.

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. 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. Dr. Asaria is a member of the Nominating Committee of the AAFPRS. Dr. Gantous is finishing his term as the Canadian/International Delegate for the Credentials Committee of the AAFPRS. Dr. Adamson is Global Ambassador for the AAFPRS.

Many members of the division are peer reviewers for several 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 and FPSAM.
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.

HUMANITARIAN WORK
Engagement in humanitarian work has remained a strong focus of our division and something that we are extremely proud of. Dr. Adamson led a pilot mission to Maputo, Mozambique in December 2022. He was then the Chef de Mission for missions to Nepal (January 2023), Rwanda (February 2023), Ukraine (March 2023) and Ethiopia (May 2023). Dr. Gantous was the Mission Director for an all-Canadian team to Kigali, Rwanda in February 2023.

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.
Dr. Jonathan Irish (Head)

The three head and neck centres under the University of Toronto umbrella are academically productive, are leaders 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.

This year was no exception as University of Toronto faculty were well represented as panellists, moderators, invited speakers or as plenary speakers at the 11th International Conference on Head and Neck Cancer (Montreal), the 7th World Congress of the International Federation of Head and Neck Oncologic Societies (Rome, Italy), the World Congress on Thyroid Cancer (London, UK) and the 6th Annual Meeting of the Confederation of Otorhinolaryngology – Head & Neck Surgery (Milan, Italy).

Research

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

- Predictors of functional outcome (lead: Kevin Higgins)
- Optimization of early recovery after surgery (leads: John de Almeida & David Goldstein)
- Assessment and standardization of margins after oral cancer resection (lead: Kevin Higgins)

Education

In addition to leadership in international conferences already mentioned, the Division faculty have had significant local impact. Dr. Joel Davies has redeveloped the core curriculum in the anatomy course for otolaryngology residents; Dr. Danny Enepekides received the 2022 Resident Advocate Award.

The division directs the American Head and Neck Society Advanced Training Fellowship and this year has undergone re-accreditation with the Advanced Training Council review and by the Canadian Association of Head and Neck Surgery. The fellows who graduated from our fellowship program this year are Abdulrahman Alenazi, Michael Hajek, Shayanne Lajud Guerrero, Mohammed Mamdani, and Sharon Tzelnick – all of whom will have a significant impact on head and neck cancer care. We wish them the very best!
Leadership Highlights

Many of our division faculty have significant leadership roles locally, provincially, nationally and internationally which are outlined in other sections of the departmental Annual Report and in this section we will report new positions only. Tony Eskander was appointed Chief of Otolaryngology, Department of Otolaryngology – Head & Neck Surgery at the Michael Garron Hospital. David Goldstein was a member of the Program Planning Committee of the 11th International Conference on Head and Neck Cancer held in Montreal this year. Jon Irish was appointed Chair of the Ontario Health (OH) Clinical Council for the which he oversees OH’s Clinical and Quality Programs in the province. Jon was also appointed as Senior Scientist in the Princess Margaret Cancer Research Institute, recognizing his decades of surgeon-scientist leadership with the Guided Therapeutics Program. Finally, Danny Enepekides and Kevin Higgins continue to be surgical team members for the Canada Ukraine Surgical Aid Program travelling to Poland twice a year as part of their surgical mission.

Goals for the coming year:

- Continue to strengthen oversight of the fellowship training program with transition of leadership and strengthening of the Fellowship Steering Committee including representing research
2022-23 marked another productive and busy year for the Division of Rhinology. For the first time since the pandemic, our fall division meeting was held in-person over dinner on November 17, 2022. It was great to see everyone together again and renew our commitment to the academic and educational goals of our department. This past year, there were many academic and leadership achievements from our gifted faculty. I am happy to share some of the highlights below.

**Education Activities**

Once again, the major educational event for this past year was our highly anticipated Resident Sinus Surgery course which was held on Saturday April 15, 2023. Over the past couple of years, we had altered our sinus course schedule to accommodate social distancing restrictions related to the pandemic. Using the feedback from our trainees, we came to realize that they preferred the individual one-one-one teaching at each sinus dissection station. Thus, our course now runs both a morning and afternoon program for two separate groups of residents so that all trainees have an opportunity to refine their endoscopic sinus surgery skills. I am deeply indebted to our rhinology faculty who sacrificed their personal time to help with the teaching. A special thank you to Drs. Banglawala, Chan, Dalgorf, Fox, Gevorgyan, Lee, Monteiro, Vescan, and Wolter for your continued commitment to resident education. The evaluations from this course were exceptional and again highlights how valuable this teaching experience is for our residents.

Separate from our departmental resident sinus surgery course, Dr. Vescan also helped organize the Stryker Mobile Lab in Sinus and Skull Base Surgery held in conjunction with the Division of Neurosurgery. Trainees in both specialties had the opportunity to practice their skills in this unique and technically advanced mobile dissection lab.

**Academic Activities**

This was another busy and successful academic year for many of our division members. At the Canadian Society of Otolaryngology-Head & Neck Surgery Annual Meeting that was in October 2022 in Vancouver, BC, Dr. Chan co-supervised one trainee oral presentation while Dr. Lee supervised 4 trainee oral presentations during the rhinology section. At the American Rhinology Society Spring Meeting at COSM that was held in Boston, MA in May 2023, Dr. Chan co-supervised one trainee oral presentation and Dr. Lee supervised two trainee oral presentations and one poster presentation. For our departmental resident research day (i.e. Percy Ireland Day) that was held on April 29, 2023, there were two scientific presentations that were supervised by two of our division members (Drs. Chan, Lee).
From a leadership and teaching perspective, Dr. Chan has once again been busy delivering numerous lectures at various courses both nationally and internationally. She was an invited speaker and moderator at the Canadian Society of Otolaryngology–Head & Neck Surgery Annual Meeting, the International Federation of ORL Societies (IFOS) meeting, the Annual Meeting of the Middle East Academy of Otolaryngology, as well as the International Society of Inflammation and Allergy of the Nose (ISIAN). Similarly, Dr. Witterick was busy delivering several rhinology and skull base lectures as an invited speaker at the North American Skull Base Society Annual Meeting, the International Federation of Head and Neck Oncologic Societies Meeting, and the Annual Meeting of the Confederation of Otorhinolaryngology–Head & Neck Surgery Meeting. Meanwhile, Dr. Lee was an invited faculty and speaker at the Penn International Rhinology and Skull Base Surgery Course as well as being the Visiting Professor at the University of Manitoba Department of Otolaryngology–Head & Neck Surgery Resident Research Day. With his expertise in pediatric rhinology, Dr. Wolter was also an invited speaker at the International Federation of ORL Societies (IFOS) meeting.

Finally, from an academic output perspective, this past year marked an incredibly productive period for many of our division members. In total, our faculty were either co-authors or senior authors on a total of 23 rhinology manuscript publications (Chan 3, Lee 9, Monteiro 2, Witterick 3, Wolter 3, Vescan 3). Clearly, our faculty from both our fully academic and community-based sites continues to deliver an exceptional level of commitment to the academic mission of our department.
Having emerged from the pandemic, life is slowly returning to normal at our hospital. Of course, we still have an unmanageable waiting list of children for whom care cannot be carried out except at The Hospital for Sick Children. Internally, the hospital executive has strategized along with the government, to find a way to get these children through the operating rooms either here or at some of our partnering institutions. At the time of this correspondence, we are still not being allocated resource at the same level as pre-pandemic. We expect to reach, and possibly even exceed, this level of resource allocation in the next few months with the addition of weekend lists and full operation of all operating theatres at our institution.

This unpredictable environment has taken a considerable toll on both our surgical and administrative teams, and we have worked very hard to maintain morale and efficiency during these times. I believe we've been very successful at both things. We have moved towards incorporation of virtual care into our regular schedules and have accommodated many members of our administrative team as they work from home and continue to do so quite effectively. As I did last year, I want to praise and thank our entire hospital department for their dedication and resiliency.

Our campus redevelopment, named Project Horizon, is progressing well. The Patient Support Centre is completed, and many services are planning to move personnel into this facility imminently. 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. Dr. Karen Gordon has overcome logistical obstacles to recruit students and maintain productivity in the laboratory. In addition she continues to support the research projects of our fellows and resident staff. Our research team has been active in presenting at both in-person and virtual meetings. Melissa Hazen, one of our current PhD candidates, continues the clinician/scientist track with a focus on vestibular science.

Enough cannot be said about our administrative support and this area will be our greatest challenge in the future. After decades of work at the hospital and several years as the departmental administrator of Otolaryngology-HNS, Vicky Papaioannou, is moving on to another career opportunity within the Peel District School Board. Her departure requires that we consider and make several adjustments in the way we administer our department. We are delighted that Valerie Simard, currently one of our audiology team
members, has accepted the position and will replace Vicky. She will inherit a portfolio which has been augmented with one new clinical administrative position and is currently functioning at one of the highest rates of efficiency in our institution’s surgical portfolio.

The consultant staff have continued to execute their academic and clinical activities admirably using remote and in-person presentations to contribute to academic meetings and professional societies. As you will have heard by now, Drs. Sharon Cushing and Evan Propst were promoted to full professor and Nikolaus Wolter was promoted to associate professor. Dr. Adrian James was named the Division Head Otology/Neurotology. We have trained 18 residents and 3 fellows over the past year and successfully matched fellows for our upcoming year virtually. Our graduating fellows have gone on to begin their academic careers in Pediatric Otolaryngology-HNS in Kuwait, Oman and Israel demonstrating how at our core, caring for children unites us all.

We are very excited to welcome Dr. Jennifer Siu who has returned from her fellowship in Seattle and joined our faculty as a full-time consultant. Her expertise in aero-digestive disease and her track record of carrying out innovative research makes us all very excited to have her join our faculty as a clinician and teacher. We are very confident that our trainees, University, along with the children of Ontario, will benefit greatly from her recruitment.

Two new and transformational changes have occurred within our department this past year. First, our request to hire a nurse practitioner was granted and we successfully recruited Megan Tepsich who joined our team in September 2022. She has focused on centralizing and optimizing care of the patients with tracheotomy who had been previously managed in an idiosyncratic way by a variety of services and consultants. The care model she now directs, is focused and efficient and has contributed to improved care, training and research within our department. Second, with the help of a donor, we have designed a role called a “hearing and healthcare coordinator” and recruited Olga Vayner to fill it. This role is designed to help families, entitled to benefits related to hearing and healthcare assistance, obtain them. Although it sounds simple, navigating the reams of paperwork, linguistic and cultural barriers to get the assistance one is entitled too is not. She has made a tremendous difference to a number of families already.

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

We have moved into our new space in the Ken and Marilyn Thomson Patient Care Centre for our outpatient clinics. This new state-of-the-art facility has provided us additional clinic space and minor-procedure resources.

EDUCATION
Undergraduate Medical Education
Our department continues to have a key role in undergraduate medical education within the university department. Our department also continues to host clerks for their clinical rotations throughout the year, and the transition to residency course.

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.
North York General Hospital

Dr. Everton Gooden
(Otolaryngologist-in-Chief)

North York General Hospital (NYGH) is one of Canada's leading community academic hospitals, offering their culturally diverse community a wide range of acute care, ambulatory and long-term care services across seven sites.

The hospital is about to embark on the most transformative capital project in its history with construction to begin shortly on a new Long Term Care Tower which will be one of the largest Long Term Care Centers in the province when completed. In addition, there are plans to construct a new Acute Care Tower with a target date for completion in 2030.

The Board of Governors is in the process of selecting a new President and CEO following the retirement announcement of our current President and CEO, Karyn Popovitch.

Faculty
Our division welcomed Dr. Josie Xu who was recently appointed on staff bringing our full-time physician staff complement to five physicians (Drs. Everton Gooden, Manish Shah, Thileep Kandasamy and Jason Xu). Dr. Josie Xu brings expertise in the surgical management of sleep disorders following a one-year fellowship at the University of Southern California.

Dr. Manish Shah was appointed our new Division Head of Otolaryngology-Head and Neck Surgery following completion of Dr. Gooden’s term in May 2023. Dr. Shah has taken on progressive leadership roles in the hospital and is also a member of the Medical Staff Association Executive serving as Treasurer of the Medical Staff Association.

Dr. Jason Xu will take on the role of Education Coordinator for our division. We continue to participate regularly in the Undergraduate and postgraduate teaching and the rotation remains very popular amongst medical students and residents.

A warm thank you to my colleagues for their support and dedication in helping to make our division into a center of excellence.
Sinai Health

Dr. Ian Witterick
(Otolaryngologist-in-Chief)

Sinai Health (SH) currently has five full-time faculty (Drs. Davies, Freeman, Monteiro, Vescan and Witterick) and nine part-time faculty (Drs. Chan, Dalgorf, Davids, Elmasri, Fernandes, Lee, Pace-Asciak, Punthakee and Roskies). Welcome to our new clinic manager, Ms. Soojin Lee and thank you to our outgoing manager, Ms. Anita Chin, who is taking over as manager of endoscopy at SH.

We continue to enjoy the new state-of-the-art operating rooms and equipment. The rhinology and head and neck oncology programs continue to grow and flourish and Dr. Davies is regularly performing transoral robotic oropharyngeal cancer resections. The Kimel Schatzky Intensive Care Unit (ICU) opened in May 2023 with thirty-six beds, doubling the previous ICU bed capacity. We continue to see approximately 18,000 outpatients per year despite our two clinic areas being impacted by hospital renovations (slated to be completed in the spring of 2024).

We remain a popular training site for residents, fellows and medical students interested in OHNS.

We have multidisciplinary Mouth Clinics with Dentistry/Oral Pathology twice a month and Dr. Taryn Davids continues to do monthly Voice Clinics. Drs. Davies and Monteiro participate in weekly multidisciplinary head & neck oncology clinics with radiation oncology at PMH and our faculty regularly perform anterior skull base surgery with the neurosurgeons at TWH. We have a close working relationship with Endocrine Oncology and have regular Endocrine Oncology Multidisciplinary Tumour Boards.

An exciting addition starting in the 2023–24 academic year, are multidisciplinary clinics with Speech Language Pathology 2-3 days per week preparing head and neck oncology patients for surgery and helping in their rehabilitation after surgery. Dr. Roskies has also started a program to help SH patients with facial defects post-ablative surgery to regain form and function through his facial plastic and reconstructive expertise.

We have been actively involved in various leadership roles at SH, the University department as well as nationally and internationally. A recent highlight was the World Congress on Thyroid Cancer, the largest thyroid cancer meeting in the world, held in London England in June 2023 with Drs. Freeman and Witterick as members of the Steering Committee.

There are a large number of clinical, translational and basic science research projects in progress or planned. We opened a new Nasal Function/Airflow lab this year with state-of-the-art rhinomanometry, olfaction...
testing and endoscopy equipment and hired a research coordinator. There are many active head and neck oncology projects related to 3D modeling, novel wound care methods, quality initiatives and thyroid molecular testing.

Sinai Health has established a number of chairs in celebration of Mount Sinai Hospital's 100th anniversary honoring the doctors and scientists whose achievements have elevated Sinai Health's reputation for world class care. The Dr. Jeremy Freeman Chair in Surgical Oncology has been established and reads "as a surgeon, scientist and educator, he pioneered innovative surgical techniques and trained hundreds of residents and fellows in their use … Over a span of close to 40 years, Dr. Jeremy Freeman has treated more than 7,000 patients with head and neck cancers and consulted on thousands more of the globe’s most complex cases". Congratulations to Dr. Freeman!

**Highlights**

**Awards/Honours**

Group Award - *Collaboration in Education Award*, OR. OHNS Team, Mount Sinai Hospital. Awarded to the team who has made an outstanding contribution to learner education.

Dr. Yvonne Chan – *Distinguished Educator Award* – Physician, Unity Health, *University of Toronto MD Teaching Award of Excellence, the Honor Award* and the *Committee of Excellence Award* from the American Academy of Otolaryngology – Head & Neck Surgery and the 3rd Place Poster Award from the American Rhinologic Society for “Surgical Completeness in AERD Patients”

Dr. Joel Davies - *Wightman-Berris Academy Individual Teaching Excellence Award, Undergraduate* which recognizes teachers whose outstanding skills have been personally identified by their students and the *Inaugural Drucker Reitman Family Discovery Award*, First Place in Science of Care Research Competition, Sinai Health for the project “Use of Amnion/Chorion allograft onlay for radial forearm/fibular free flap donor sites: Randomized control clinical trial”

Dr. Vinay Fernandes – *Surgical Foundations Quality Improvement Curriculum Best Mentor Award*

Dr. Jeremy Freeman – *Creation of the Dr. Jeremy Freeman, Chair in Surgical Oncology*

https://secure.supportsinai.ca/site/SPageNavigator/profile_freeman.html

Dr. Eric Monteiro – *Resident Advocate Award, MD Program Teaching Excellence Award*

Dr. Ian Witterick – *Guest of Honour, Percy Ireland Academic Day*
Quality Initiatives (QI)

Dr. Eric Monteiro – Completed term as the Course Director for the Certificate Course in Quality Improvement at CQuIPS and will be consulting for them in the next academic year. He is also providing QI consulting expertise for other hospitals in Ontario.

Dr. Vinay Fernandes - Continuing to work on QI with the University department and the Scarborough Health Network. He is also helping to lead the Health Equity Certificate Program that serves the Scarborough community. He is looking forward to expanding QI projects and mentorship in the coming academic year.

Education

Dr. Maru Gete from Israel completed the fellowship in rhinology, skull base, and head and neck oncology on June 30, 2023 and will be staying on for one more year of fellowship training with Drs. Monteiro and Vescan.

Dr. Alexander Dickie will join us as the rhinology, skull base and head and neck oncology fellow on July 1, 2023. Alex is originally from Newfoundland and did his residency training at Western University.

We continue to have a lot of interest from medical students for shadowing and elective opportunities as well as requests from around the world for observerships.

Research

We have a large number of research projects ongoing in head and neck oncology, QI, and rhinology related areas.

We have re-established the Nasal Function/Airflow lab with state of the art equipment and hired a research coordinator. Several randomized clinical trials are in the REB phase.

The well established molecular oncology lab is focusing on developing molecular testing for indeterminate thyroid nodules with a multi-specialty team.

Dr. Davies has initiated a number of funded research projects including two Harry Barberian Scholarship Fund projects, 1. *The impact of patient-specific surgical cutting guides on pathological margin status: A Prospective study on virtual surgical planning in Head and Neck Cancer.* Trainee Name: Dr. Tanya Chen ($5,000 CAD) and 2. *Use of smartphone infrared thermography to identify free flap perforators and assist in free flap planning.* Trainee Name: Dr. Gianluca Sampieri ($5,000 CAD).

Dr. Davies is also actively working on projects related to 3D printing prior to major head & neck oncologic surgery and was awarded the Science of Care Research Award from Sinai Health for his project *Utilizing Open-Source Software to Develop Low-Cost Patient Matched Oral-Maxillofacial Surgical Guides to Facilitate Patient Care and Improve Surgical Outcomes* ($10,000 CAD).

Dr. Davies was awarded a second Science of Care Research Award from Sinai Health for his project *Use of Amnion/Chorion allograft onlay for radial forearm/fibular free flap donor sites: Randomized control clinical trial* ($10,000 CAD).
Dr. Chan was a co-investigator on a 2022 AMOSO Opportunities Fund grant from Western University for her project on *Domestic Responsibilities in Canadian Otolaryngologists*: Survey and as a co-investigator on a 2022 Otolaryngology – Catalyst grant from the Department of Otolaryngology – Head & Neck Surgery at Western University.

Collectively in the 2022-2023 academic year, there were a large number of peer-reviewed publications, podium presentations, poster presentations and invited lectures documented elsewhere in this annual report.

**Humanitarian Efforts**
Dr. Eric Monteiro in conjunction with Dr. Vincent Lin and one or more of our residents are travelling to Sioux Lookout two times per year to perform outreach clinics and surgery.

**Leadership Roles at Sinai Health and the University Department**

**Dr. Yvonne Chan**
University Department: Vice-Chair Education, Director Continuing Professional Development, Academic Lead Equity, Diversity and Inclusion Committee, Member Undergraduate Committee, Member Executive Committee, Member Budget Advisory Committee, Member Promotions Committee, Member Quality and Safety Committee.

**Dr. Joel Davies**
University Department: Member Equity, Diversity and Inclusion Committee, Member Research Committee.

**Dr. Ambrose Lee**
University Department: Director Undergraduate Medical Education, Member Executive Committee.

**Dr. Eric Monteiro**
Sinai Health: Co-Chair Perioperative QI Committee, Member overall QI committee reporting to the hospital board.

University Department: Assistant Program Director/Competency Director, Member Residency Program Committee, Member Executive Committee.

**Dr. Xerxes Punthakee**
University Department: Member Equity, Diversity and Inclusion Committee.

**Dr. Ian Witterick**
Sinai Health: Member Medical Advisory Committee.

University Department: Member Appointments Committee, Member Promotions Committee, Member Budget Advisory Committee.
Leadership Roles – National/International

Canadian Society of Otolaryngology – Head & Neck Surgery – Scientific Program Chair Dr. Chan

World Congress on Thyroid Cancer Steering Committee – Drs. Freeman and Witterick

North American Skull Base Society – Board of Advisors – Dr. Witterick

American Head and Neck Society – Chair Skull Base Section – Dr. Witterick

International Federation of Head and Neck Oncologic Societies – Officer – Dr. Witterick

Ironman

Dr. Eric Monteiro completed the Lake Placid Ironman competition and qualified for the World Championship in Nice, France on September 10, 2023.

Goals for the coming year

1. Recruitment of a full-time otologist in the summer/fall 2024

2. Initiation of a radiofrequency ablation program for thyroid disease

3. Establishment of collaborative head and neck oncology clinics with speech-language pathology 2-3 days per week to manage the ever growing complex head and neck oncology patient population at Sinai Health

4. Dr. Davies will continue to grow the transoral robotics program
5. Contributing to a head and neck oncology database in collaboration with UHN

6. Initiation of several rhinology related randomized clinical trials

7. Initiation of head & neck oncology research projects currently under REB review

8. Development of “Molecular Testing of Indeterminate Thyroid Nodules to Inform Surgical Management” through the Raymond Ng and Wendy Chui Foundation for Innovation in OHNS.

9. Dr. Monteiro is looking forward to starting the New and Evolving Academic Leaders (NEAL) program through the Centre for Faculty Development

10. Dr. Davies will complete the coursework components of his MSc in artificial intelligence

11. Dr. Pace-Asciak is developing a 3D printed rhinoplasty model for education

12. Dr. Davies will continue to develop 3D models for head & neck oncology cases and establish a steering committee for "Advanced technologies" in collaboration with Biomedical Engineering
The Department of Otolaryngology-Head & Neck Surgery at Sunnybrook Health Sciences Centre enjoyed another tremendously successful year. 2022 saw the completion of the Nanji Head and Neck Centre. The last round of investments made established the centre as a state-of-the-art outpatient unit offering the most up-to-date technologies for patients with endocrine, otologic, and head and neck pathology. The centre includes a fully equipped laryngology suite, expanded ultrasound capabilities, radio frequency ablation, digital endoscopy units, fully equipped otologic suites, and a multi-purpose procedure room. These facilities will allow our world class clinical programs to provide the best possible care to our patients.

Post-pandemic human resource pressures have certainly impacted resources at Sunnybrook but our clinical programs have continued to provide outstanding care. 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. Currently, Sunnybrook is funded to place 250 implants per year and is on track to realize these volumes for the first time since the onset of the pandemic. In 2022-23, the head and neck surgical team performed 250 major surgeries with approximately 125 microsurgical reconstructions. 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 & Neck Surgery at Sunnybrook Health Sciences Centre has trained 30 fellows who have gone on to successful careers around the world.

The research enterprise at Sunnybrook Health Sciences Centre continues to thrive. Our research programs in otology-neurotology and head and neck oncology successfully obtained over $1,500,000 in additional external peer-reviewed funding. Both Drs. Alain Dabdoub and Andrew Dimitrijevic received CIHR funding in support of their innovative work. Dr. Eskander’s health services research program had another wonderfully successful year. Over the past 5 years our research programs have generated over $18,000,000 in peer-reviewed external funding ($5,400,000 from principal or co-principal investigator led research). As a result of their tremendous contributions and productivity, both Drs. Eskander and Le were promoted to the academic rank of Associate Professor at the University of Toronto.

The department has received multiple awards for excellence in education. Dr. Kevin Higgins was awarded the university department’s Faculty Teacher of the Year Award. Remarkably, Sunnybrook has been home to this prestigious award five years running (Drs. Eskander, Enepekides, Chen, Le, Higgins). For two consecutive years (2020 and 2021) its faculty have been awarded the William Dixon Sunnybrook Surgical Education Award.
(Drs. Enepekides and Higgins). This year Dr. Antoine Eskander won the university department’s *Resident Advocate Award*. This commitment to resident and fellow education has maintained Sunnybrook as one of the department’s most highly regarded rotations.

As always, the department owes tremendous thanks to our partners in Audiology for their ongoing support and, most importantly, to our wonderful nurses, residents, and fellows who continue to provide incredible care during these challenging times.

**Highlights**

1. Drs. Eskander and Le promoted to Associate Professor

2. Dr. Kevin Higgins received the *Faculty Teacher of the Year Award*. This award has been held by Sunnybrook faculty five years running

3. Drs. Dabdoub and Dimitrijevic received CIHR funding in support of their tremendous research projects
Over the past academic year (2022-2023), Trillium Health Partners' Division of Otolaryngology-Head and Neck Surgery has seen substantial progress. This growth and development have been driven by a number of remarkable events and notable achievements by the dedicated team. The year started on a cautious note, as the division's OR resources was operating at 80% but fully resumed to 100% capacity in April 2023. This has helped our division's ability to continue to provide comprehensive general otolaryngology care with a strong focus on pediatrics, endocrine surgery and otology, benefitting the Peel Region community.

In 2023, there was a notable display of philanthropy towards Trillium Health Partners by the Orlando Corporation's landmark donation of $75 million. These funds have been earmarked to support the construction of a new hospital facility, as well as to underpin the ambitious aims of the Institute for Better Health. This transformative gift promises to revolutionize the healthcare landscape and dramatically enhance the breadth and quality of services provided.

In addition, the Division of Otolaryngology-Head and Neck Surgery has been the recipient of significant accolades over the past year. Drs. Aman Grewal and Janet Chung were each awarded the MD Program Teaching Award for Excellence. Dr. Aman Grewal was the recipient of the Alma Smitheringale Undergraduate Teaching Award and Dr. Janet Chung was the recipient of the 2022-23 Chapnik, Freeman and Friedberg Clinical Scientist Program Award. These awards underscore the division's commitment to fostering a dynamic and enriching educational environment for Mississauga Academy of Medicine undergraduate students and postgraduate residents.

In conclusion, the 2022-2023 year has been one of rejuvenation, generous philanthropy, and celebrated educational achievements for Trillium Health Partners and the Division of Otolaryngology-Head and Neck Surgery.

**Highlights**

- New Associate staff members: Drs. Amr Hamour, Vincent Wu and Weining Yang, starting their position in July-August of 2023
- Dr. Aman Grewal was the recipient of the *Alma Smitheringale Undergraduate Teaching Award*
- Dr. Janet Chung received the *2022-23 Chapnik, Freeman and Friedberg Clinical Scientist Program Award*
- Drs. Aman Grewal and Janet Chung were recipients of the *MD Program Teaching Award for Excellence*
- Achieved excellent teaching scores at both the undergraduate and postgraduate levels
Goals for the coming year

- Dr. Jeffrey Mendelsohn will be retiring in October 2023
- On board our three new Associate staff members
- Start the coblation trial for adenotonsillectomy in the pediatric population
- Continue to practice the high standard of undergraduate and postgraduate education
St. Joseph’s Health Centre serves the west end of Toronto and has a large catchment area for tertiary care particularly within the department of surgery. It provides care to a multicultural community that has constantly diversified over the decades. It has a reputation for excellence as community hospital as well as an academic teaching hospital affiliated to the University of Toronto. SJHC is part of Unity Health and there is a push under way to make the hospital more academic.

The Division of Otolaryngology-Head & Neck Surgery at St. Joe’s is currently comprised of seven 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 members of the division are Drs. Dustin Dalgorf, Rick Fox, Andres Gantous, Jack Kolenda, Pia Pace-Asciak, Ian Witterick, and Dr. Priya Kersawani who was successful in being offered a position during our most recent search.

Several members of the faculty have administrative positions within the University of Toronto. Dr. Witterick continues to be active within the department as otolaryngologist-in-chief at Sinai Health. Dr. Gantous is Head of the Division of Facial Plastic and Reconstructive Surgery of the Department of Otolaryngology-Head & Neck Surgery. Dr. Pace-Asciak has taken a keen interest in teaching, and we are certain that Dr. Kersawani will follow suit.

St. Joseph’s Health Centre continues 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 work with them throughout the academic year. We host multiple international visitors throughout the year that come to observe advanced sinus surgery, facial plastic and reconstructive procedures. The staff are directly involved in teaching Sinus Surgery, Temporal Bone, Soft Tissue Surgery, Injectables, 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.

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

The Division of Otolaryngology-Head & Neck Surgery at St. Joseph’s Health Centre will 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 Department of Otolaryngology-Head & Neck Surgery (OHNS) at St. Michael’s Hospital resides within the Renal & Metabolism Program. With 5 full-time staff (Jennifer Anderson, Yvonne Chan, John Lee, Jun Lin, Molly Zirkle) and 6 part-time staff (Al Chiodo, Taryn Davids, Theresa Holler, Anil Katyal, John Rutka, Tulika Shinghal), 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. Between July 2022 to June 2023, we had approximately 31,007 ambulatory visits in our extremely efficient comprehensive otolaryngology clinic.

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 have allowed 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, botox and steroid injections).

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. Dr. Zirkle continues to build her functional septorhinoplasty practice and attract referrals from otolaryngologists across the community.

Our department accomplishments are summarized and highlighted below.

### Highlights

#### Awards/Honours

- Dr. Yvonne Chan: *Distinguished Educator Award – Physician*, Unity Health, *University of Toronto MD Teaching Award of Excellence*, the *Honor Award* and the *Committee of Excellence Award* from the American
Academy of Otolaryngology–Head and Neck Surgery and the 3rd Place Poster Award from the American Rhinologic Society for “Surgical Completeness in AERD Patients”

- Dr. John Lee: *Invited Visiting Professor*, Department of Otolaryngology–Head & Neck Surgery, David Brodsky Resident Research Day, University of Manitoba, the 3rd Place Poster Award from the American Rhinologic Society for “Surgical Completeness in AERD Patients”

**Education**

- Our educational footprint spans both undergraduate and postgraduate medical education
- Dr. Isabel Besserer completed her Laryngology Fellowship with Dr. Jennifer Anderson in Dec 2022 and Dr. Huixin Hu began her Laryngology Fellowship with Dr. Jennifer Anderson in Jan 2023
- PGY 1, 3, and 5 core rotation otolaryngology residents rotate at SMH in usually 3-month block
- Our site continues to host anesthesia and ophthalmology residents in a 1-month block
- Elective family medicine residents rotate with Drs. Chan and Zirkle in a 1-month block
- Elective allergy & immunology residents rotate with Dr. John Lee
- We have 54 students at the Fitzgerald Academy based at Unity Health each year and all rotate through our ambulatory clinic during their core clerkship rotation
- 3rd and 4th year interested medical students continue to enjoy otolaryngology elective rotations with our faculty

**Research**

- We have a number of research projects ongoing in laryngology and rhinology related areas
- Dr. Anderson established the Nicole Muzzo Research Chair in Voice Disorders in 2016
- Dr. Chan was a co-investigator on a 2022 AMOSO Opportunities Fund grant from Western University for her project on *Domestic Responsibilities in Canadian Otolaryngologists*: Survey and as a co-investigator on a 2022 Otolaryngology – Catalyst grant from the Department of Otolaryngology–Head & Neck Surgery at Western University
- Dr. Chan was also awarded the Canadian Society of Otolaryngology–Head & Neck Surgery Dr. Elena M. O’Connell Memorial Fund for the project “Gender pay gap and Referral Patterns in Otolaryngology in Ontario”
- Dr. Lee leads the rhinology research portfolio at SMH and continues to supervise a significant number of medical students and residents leading to a number of podium and poster presentations at local, national, and international meetings
- Dr. Lin is the Principal Investigator, Microbiome profile in iSGS, Department Research Award, Bryan Coburn, $25,000

**Leadership Roles at Unity Health, the University Department, and University of Toronto Temerty Faculty of Medicine**

- **Dr. Jennifer Anderson**
  - University Department: Member Quality and Safety Committee
- **Dr. Yvonne Chan**
  - University Department: Vice-Chair Education, Director Continuing Professional Development, Academic Lead Equity, Diversity and Inclusion Committee, Member Undergraduate Committee, Member Executive Committee, Member Budget Advisory Committee, Member Promotions
Committee, Member Quality and Safety Committee, Member Department Appointment Committee
• Unity Health: Member Medical Advisory Committee, Member Medical Leaders Council, Member St. Michael’s Hospital Association, Member Perioperative Quality & Safety Committee, Member Surgical Safety Checklist Subcommittee, Member Perioperative Cabinet
• Temerty Faculty of Medicine: Member Vice Chair Education Committee, Member Postgraduate Medical Education Board of Examiner, Member Continuing Professional Development Committee

Dr. John Lee
• University Department: Head, Division of Rhinology, Assistant Director of Undergraduate Medical Education, Member Research Committee
• Unity Health: Site Director Undergraduate Medical Education

Dr. R. Jun Lin
• University Department: Head, Division of Laryngology, Member Residency Program Committee, Faculty Co-Lead Journal Club
• Unity Health: Site Director Postgraduate Medical Education

Dr. Molly Zirkle
• University of Toronto: Director of Career Advising, Director of Expansion Scarborough Academy of Medicine and Integrated Health

Leadership Roles – National/International
• Canadian Society of Otolaryngology-Head & Neck Surgery: Scientific Program Chair Dr. Chan
• Royal College of Physicians and Surgeons of Canada: Member Regional Advisory Committee 3 for Ontario Dr. Chan
• International Society of Allergy and Inflammation of the Nose (ISIAN): Member Board of Director Dr. Chan
• International Federation of ORL Societies (IFOS): Member Executive Council Dr. Chan
• American Academy of Otolaryngology – Head & Neck Surgery: Member Program Planning Committee Dr. Chan
• American Rhinologic Society: Member International Committee Dr. Lee
• F1000 Research: Member Advisory Board Dr. Lee
• F1000 Prime: Section on Rhinology and Paranasal Sinus Disease: Faculty Member Dr. Lee

Humanitarian Efforts
• Dr. Jennifer Anderson travels to Elliot Lake, Ontario to provide comprehensive otolaryngology care to the underserviced area

Goals for the coming year
• Our clinic expansion and retrofitting of existing clinic space is slated to finish in early 2024
• A new research coordinator has just started with our department and we hope to expand our laryngology and rhinology research portfolio with multiple new REB submissions underway
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.

This year saw the unfortunate departure of Dr. Neil Bailie who had joined the department in 2021 as an otologist/neurotologist. Dr. Bailie had become a critical member of our department, but for personal and family reasons elected to return the United Kingdom. The department will be recruiting another Otologist and Skull Base Surgeon for the Department.

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. The department will be recruiting new head and neck staff in the next 6 months to help manage our clinical volumes.

Dr. Irish continues to lead the Guided Therapeutics Group 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 Padua and has developed 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 implemented a 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. 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. Including the IFHNOS Head and Neck Oncology meeting, the European Laryngological Society, the American Head and Neck Society and many others.

The department’s undergraduate, postgraduate and fellowship programs continue to provide excellent training. The department is an active participant in the University department’s divisional fellowship offering 4 clinical and 1 research fellowship position this year. These positions are highly sought after due to the strength of the clinical program at UHN. Dr. Rutka continues to offer an outstanding fellowship in Otology and Neuro-Otology.

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

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

We would like to invite all our alumni and trainees and faculty to follow the UHN department on our Facebook and X feeds and our new website. Surgical videos are also available at the Toronto Video Atlas Website, a unique UHN initiative for surgical education.
Research Team Reports
COVID-19 is now firmly in the rearview mirror and 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 brought the return to live conferences as our group travelled to Dallas for the American Cochlear Implant Alliance annual meeting. Some of our group also travelled to Korea in November for the Asia Pacific Cochlear Implant 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 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. Congratulations to Andrew for receiving his CIHR grant!

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 cochlear implant (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
- Cognitive Assessment as a Predictor of Short and Long Cochlear Implant Outcomes
- Improving the Hearing Status Discrimination of the Health Utilities Index, Mark 3

Our group is hoping for a healthy and productive upcoming academic year.
Auditory Development & Regeneration, Sunnybrook Health Sciences Centre

Alain Dabdoub

My research centers on molecular signaling pathways and transcription factors responsible for the neurodevelopment and regeneration of the inner ear focusing on hearing and balance. Specifically, I concentrate on three themes reflecting my growing interest in translating and commercializing the scientific discoveries of my lab into regenerative medicine for the diagnosis and treatment of inner ear disorders:

- **Precision Diagnostics**: Identifying and quantifying inner ear biomarkers that report on the pathologies and treatment efficacies of the inner ear.

- **Regenerative Medicine**: Discovering the molecular underpinnings of sensory hair cell and auditory neuron development and regeneration.

- **Therapeutic Delivery**: Developing new approaches of non-invasive delivery of therapeutics to the inner ear.

My research program attracts outstanding graduate students and postdoctoral fellows whom I continue to develop in my lab and my research success would not be possible without them. We greatly benefit from unwavering support from the Sunnybrook Otolaryngology Department.

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 by the Koerner Foundation.

Follow us on Twitter: @LabDabdoub
Paediatric Cochlear Implant Research Lab, Hospital for Sick Children

Karen Gordon, Blake Papsin, Adrian James, Sharon Cushing

The Cochlear Implant Laboratory at the Hospital for Sick Children continues to investigate auditory and vestibular development and plasticity. We ask: 1) What aspects of auditory and vestibular development are arrested in children with hearing loss; 2) What changes in the auditory and vestibular system occur as a result of genetic, viral, and other associated etiologies; 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 a number of studies currently underway.

Our team includes Jaina Negandhi, our Research Project Co-ordinator and we welcomed Rachel Lim, as our Research Project Co-ordinator in September 2023 as Al Blakeman has been on leave. We also have a wonderful team of graduate students (3 PhD, 2 MSc), a post-doctoral fellow, medical students (4), and undergraduate students (4).

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 and has shown that these skills are emerging more clearly in children using bilateral cochlear implants than children with a cochlear implant in one ear and acoustic hearing through normal hearing or a hearing aid in the other ear (bimodal hearing). This work includes a large group of children with single sided deafness who have received cochlear implants. Our recent paper in Otology NeuroOtolology provides outcome data in the largest cohort of such children to date.

Angela Fung has continued her MSc degree program at IMS and her final defense is scheduled for June 28, 2023. This work investigated methods to assess access to binaural hearing cues in children with hearing loss and helps us to understand the spatial hearing outcomes measured by Robel. Important findings were that children with bilateral cochlear implants are sensitive to interaural level differences (ILDs) and that this sensitivity can be measured at the brainstem and cortex through electrophysiology. Interestingly, asymmetric current levels programmed into children’s bilateral cochlear implants can distort these ILDs and reduce children’s access to these fundamental cues needed for spatial hearing.

Further work on spatial hearing is being done by Lulia Snan who joined our team as an MSc graduate student at the Institute of Medical Sciences in September 2022. Over the past year, Lulia has made great progress setting up her study protocol which examines brain function when children are actively listening for ILD changes. We are assessing whether some children make use of a preferred ear through unique cortical networks and whether this “aural preference” changes how they detect speech in noise. We are using a novel paradigm in which spatial cues are provided by moving speech, reflecting a more “real world” scenario.

Melissa Hazen has also continued her PhD exploring vestibular testing and balance deficits in children in three studies. Her first study has shown that balance problems are most common in children with concurrent auditory and vestibular loss but that children with hearing loss and no vestibular findings have the same risk of balance deficits as children with normal hearing and vestibular deficits. The second part of the work aims to define the developmental consequences of concurrent hearing and vestibular deficits and this work has led to the third study in which we are assessing how these children might learn to compensate for their balance
problems. Learning tasks in 3 spatial domains (spatial hearing, visuo-spatial navigation, and a balance board) are to be assessed over a 5-day period. We have partnered with a Toronto daycamp which provides an opportunity for the study participants to be engaged in a social and active environment while taking part.

We have also welcomed Hanne Bartels, a physician from Belgium, to our team. Hanne has embarked on a PhD study which aims to determine whether children using bimodal hearing (cochlear implant in one ear and acoustic hearing in the other) have used this very atypical bilateral input to develop unique cortical specialization and hearing. We will also determine whether normal ear dominance in the brain is altered by having better acoustic hearing in the left vs right ear. This will answer an important question about benefits of cochlear implantation in children with significant residual hearing in one ear including children with single sided deafness.

Dr. Vivek Sharma joined in January 2023 as a post-doctoral research fellow to work on a collaborative project with Dr. Darren Kadis and Dr. Elizabeth Pang which examines cortical processing of speech in children with Autism Spectrum disorder. Early findings suggest deficits that begin in early stages of auditory coding and involve both the auditory and cognitive areas of the brain.

Several other students have been involved in the lab over the past year. 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) worked 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. Emily Wener has also been working on a study examining genetic etiology of hearing loss in a large cohort of children followed in our department at SickKids. Ayden Cauchi is an undergraduate engineering student from the University of Waterloo who has been completing his co-operative placement with us. He has been updating our ER-TRACs beamformer which allows us to measure cortical activity from EEG measures and has been working on an automated method to perform and code speech perception testing. Undergraduate students, Maria Khan, Rachel Bedder, and Sofia Oliazola helped us launch our Hear Here Podcast! Please check it out and subscribe. Present summer students are Cole Sandler and Samsoor Akberzai.

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 analysing these data.

We were also very pleased that our collaborative project with Dr. Ruth Litovsky at the University of Wisconsin–Madison was awarded grant funding from the US National Institutes of Health through the National Institute of National Institute on Deafness and other Communication Disorders.

Along with increased grant funding, productivity over the past year included 6 peer reviewed papers published and 2 in press. One lay article was published and 2 book chapters were submitted in a textbook that is expected to come out this next year. Between this summer and last, we collectively presented over 20 abstracts at international meetings and gave over 30 invited talks at virtual international meetings.

Please check out our Hear Here Podcast and subscribe.
Some additional highlights from the past year include:

- 14 student/trainee awards including the Raymond Ng Graduate Research Award, Dept. Otolaryngology-Head & Neck Surgery, University of Toronto to Robel Alemu.

- 6 Travel Awards for submitted abstracts to international conferences

- Best Abstract Award, 16th European symposium on pediatric cochlear implantation. May 31st - June 3, Rotterdam, the Netherlands to Karen Gordon
The Sunnybrook Health Sciences Centre Head and Neck Oncology Division had another productive year. The research portfolio of this group has continued to expand, with multiple clinical trials currently ongoing, along with several prospective and retrospective research studies. Our group currently has over $3,000,000 in active research funding and 103 publications (2022-2023). Dr. Antoine Eskander has continued to act as the Odette Cancer Centre head and neck disease site lead over the past year and is also the lead of the Canadian Society of Otolaryngology-Head & Neck Surgery Collaborative Research Initiative (CRI).

**Highlights**

- We successfully recruited and completed accrual for multiple clinical trials for HNC within the past year, most notably Keynote-689, RADIO, and TrilynX-Debio 1143, all of which focused on LA HNSCC and were locally led by Dr. Martin Smoragiewicz

- These trials evaluated Pembrolizumab (Pembro) as neoadjuvant therapy and in combination with standard of care as adjuvant therapy; assessed Cisplatin dosing interval for ototoxicity; and studied the efficacy of Xevinapant (Debio 1143) versus placebo when added to CRT, respectively

- We also recently ended accrual for the SPECT-CT feasibility trial which was a pilot project to study the feasibility of injection of 99m-Technetium Sulfur Colloid in patients with lateralized oropharyngeal cancer and have since opened HN.11 which is using lymphocintigraphy to identify contralateral nodal drainage in lateralized oropharyngeal cancers. We were the first site to open internationally after the sponsoring centre. Dr. Eskander is also on the surgical quality committee for this trial

- Dr. Eskander also continues to act as the Sunnybrook PI for the PREPARE Trial, a national CIHR-funded trial that assesses a prehabilitation program for older adults with frailty undergoing a major head and neck, hepatobiliary, colorectal, or gyno-oncology surgery

- Many of our other active, upcoming, and potential trials are focused on examining novel immunomodulatory agents combined with immunotherapy and/or chemotherapy in primary recurrent/metastatic HNSCC

- We recently received Terry Fox funding as part of a national multicenter study examining tissue from recurrent tumors for targetable agents which is led by Dr. Pinaki Bose (U of Calgary). This study will allow the Odette Cancer Centre to develop its head and neck tumor bank

- In addition to our clinical trials, our site also has numerous open prospective studies with prospective data collection underway

- Dr. Kevin Higgins continues to lead Sunnybrook in many of these studies, including a tissue perfusion study assessing intraoperative indocyanine green (ICG) imaging reduce the fistula rate in patients undergoing salvage laryngectomy, a thermal imaging assessment of pharyngeal mucosal perfusion and outcome relative to pharyngocutaneous fistula study which uses novel-app based technology to map
perforators for free flap reconstruction, and an intraoperative ultrasound project investigating the efficacy of using intraoperative ultrasound mapping on reducing rates of positive surgical margins and improving post-operative prognosis.

- Dr. Higgins recently presented on the integration of FLIR thermal cameras during head and neck surgery and on the findings from his intraoperative ultrasound project at the AHNS 2023 International Conference. He has also recently developed a series of reports on the use of artificial intelligence in head and neck surgery, head and neck clinic wait times, options of access focused on mandibular swing and lingual release, and T4 Cancer Staging and Management Guidelines. He was also a panelist at IFHNOS 2023 on the discussion of management and treatment of T4b cancers; and was involved in the CAHNSO Ultrasound Course which covered radiofrequency ablation of thyroid nodules, thyroid ultrasound, and ultrasound basics.

- Dr. Higgins is also co-leading a multicenter, national prospective study investigating factors associated with advanced cutaneous malignancies.

- This study involves developing a national registry of patients with advanced cutaneous malignancies, and is being conducted through the Canadian Society of Otolaryngology-Head & Neck Surgery (CSOHNS) Collaborative Research Initiative, with Dr. Kathy Roth from Western University as Co-PI.

- Sunnybrook is currently leading enrollment for this study with 67 patients.

- Several other studies are currently being conducted at Sunnybrook as part of the CSOHNS Collaborative Research Initiative, including studies examining the association between tumour volume and local control in T3 larynx cancer, risk factors and oncologic outcomes of oral cavity cancer in young patients, the role of adjuvant radiotherapy for salivary gland cancer, margins in oral cavity cancer, wait times in oral cavity cancer, survival and treatment trends in anaplastic thyroid cancer, and factors associated with tracheal invasion by papillary thyroid cancer and post-operative outcomes.

- There are also some AHNS projects being conducted through the CSOHNS Collaborative Research Initiative, including studies examining the treatment outcomes in follicular carcinoma, and the mode of detection of primary hyperparathyroidism.

- These studies are at various different stages, with some currently in development and others nearing completion.

- Dr. Eskander continues to lead this CSOHNS Collaborative Research Initiative.

- Dr. Eskander has also continued to lead a series of CIHR-funded COVID-19 studies that have examined the impact of the pandemic on cancer care.

- Findings from these studies have not only been published in high-impact peer-reviewed journals, but are the basis for an upcoming prospective Delphi study that aims to enhance the Canadian cancer care system in the post-pandemic era by advancing existing guidelines at the provincial and national level and generating evidence-based strategies to rebuild the cancer care system.

- This study will involve key stakeholders from the Canadian cancer care system, as well as patients and families themselves.
• There is also an upcoming mixed-methods study examining integrated community health services centres in Ontario and beyond. This is as a response to the aftermath of the COVID-19 pandemic. This project will also be conducted in close collaboration with a team of seasoned health system decision-makers, hospital executives, physicians, scientists, and other key stakeholders. We are currently working on securing funding to support this project

• We have also collaborated with the Department of Dentistry (Dr. Nick Blanas) to develop an osteoradionecrosis database to better understand both the factors associated with the development of ORN and treatment-related outcomes

• There is also another large retrospective database currently in development, CORE-HN, which is a quality improvement initiative involving HNC patients from Odette Cancer Centre, with Drs. Andrew Bayley and Eskander as Co-PIs

• This database will act as a clinical decision making tool that will be used to inform future decisions related to patient treatment by providing information related to how patients with specific types of tumours have been previously treated and their subsequent outcomes

• Dr. Bayley also continues to lead several QI initiatives at Odette Cancer Centre including one that is aimed at improving time to radiotherapy in the adjuvant setting while Dr. Eskander is leading several initiatives including: staging documentation and accuracy, and after-hours symptom screening and intervention

• Dr. Eskander is also leading another QI initiative, funded by the Canadian Cancer Society, that is focused on enhancing the ESAS process at our centre and improving our ability to identify patients with at-risk ESAS scores so that they can receive tailored psychosocial assessment, management, and follow-up

• This ESAS-QI initiative was developed as a result of our previous work on symptom screening and monitoring for HNC patients, findings that have now been published

• The division’s other retrospective projects include those related to artificial intelligence and machine learning

• There are currently two related projects, the first of which assesses a natural language processing algorithm to capture staging data for patients with oropharynx cancer directly from the chart

• This study is being completed in collaboration with Pentavere and is in the final stages

• The second multisite study is aimed at validating a machine learning algorithm for the prediction of thyroid malignancy based on whole-slide cytopathology images

• Our group currently has a research fellow, Dr. Noemie Villemure Poliquin, who is completing a PhD at the IHPME/UofT examining treatment delays in head and neck cancer, and a surgeon scientist program trainee, Dr. Kennedy Ayoo (from the Division of Vascular Surgery) who is completing an MSc at the IHPME/UofT examining the long term impact of neck radiotherapy on carotid disease

• We also have 2 full-time research coordinators, 1 full-time Post-Doc, 2 full-time data abstractors, and 4 medical students (CREMS, GDip, SPARK) as part of the team
Goals for the coming year

- To continue growing the division’s research portfolio by increasing involvement in clinical trials, as well as prospective and retrospective projects
- To continue publishing our research findings in high-impact peer-reviewed journals
- To develop a HNC biobank at the Odette Cancer Centre
- To continue engaging in collaborative studies with outside departments to improve outcomes for HNC patients and enhance quality of care
- Given the success of the first disease site retreat, to make this an annual event with the next retreat being held in 2024

Head & Neck Oncology Research, University Health Network

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

The research program in Head & Neck Oncology and Microvascular Reconstructive Surgery at the University Health Network has had another productive year with numerous peer-reviewed publications by its faculty, as well as securing grant funding. The major focus of the research program is clinical outcomes research. This program continues to grow with the addition of the clinical trials program supported by a generous donation from the Norman and Marian Robertson Charitable Foundation. Through this program we are supporting the development of national and international trials. Major national and international trials include: The Select Trial, led by Drs. John de Almeida and Ali Hosni, which explores the feasibility of combining surgical techniques and refined radiotherapy to reduce debilitating radiation treatment side effects. In addition to prior CIHR funding, this past year the study has also received grants from international organizations such as the Flemish Granting Organization and a Programme Hospitalier de Recherche Clinique, PHRC grant from France. The FIND trial a local trial led by Dr. de Almeida, which is a phase 2 trial investigating use of the transoral robotic surgery along with radiotherapy (RT) volume de-intensification in p16-positive unknown primary squamous cell carcinoma (SCC) of the neck, has been completed and sent for publication. The Pan-Canadian Study in Active Surveillance in low-risk thyroid cancer, led by Drs. David Goldstein and Anna Sawka, continues to accrue patients across the country. UHN has also been participating in local and international trials such as the HN006 which is a randomized Phase II/III Trial of Sentinel Lymph Node Biopsy Versus Elective Neck Dissection for early-stage oral cavity cancer.

The head and neck cancer surgery data science and machine learning research program at UHN, supported through the Shen Family Foundation, continues to develop. The goals of the program are to create an all-encompassing clinical and research database for head and neck oncologic patients seen at the University Health Network; leverage technology to improve clinical workflow while populating clinical database with real-time surgical data, outcomes and treatment effects and to develop clinical decision support tools for head and neck oncologic patient care using data science and machine learning. Chris Yao is leading the data science and machine learning research program while completing his master’s degree in industrial engineering with a focus in data analytics.

Other outcomes research being done at UHN includes prospective and retrospective observational studies in mucosal, salivary gland, endocrine and skull base neoplasms. In addition, there is a major focus on evaluation of outcomes with microsurgical reconstruction and functional outcomes including quality of life assessment.
Integral to the success of the program has been the involvement of medical students, residents and fellows in these research projects mentored by the faculty.

The head and neck surgical research program and its researchers are also part of the clinical and translational research program within the Princess Margaret Cancer Centre Head and Neck Disease Site Discovery Program. Some notable research programs within the discovery program include:

The PROMOTE-HN trial, a new clinical trial that involves altering the microbiome in patients with advanced head and neck cancer who are receiving immunotherapy. This is a pan-Canadian trial led by Dr. Anna Spreafico and the team at the Princess Margaret.

The Meridian study, led by Lillian Siu and Scott Bratman, is one of the world’s first studies evaluating and treating patients with minimum residual disease (MRD) as measured by circulating tumour DNA levels in blood. Patients with advanced head and neck cancer with evidence of MRD based on liquid biopsy after definitive treatment will be further managed with immunotherapy.

Dr. Laurie Ailles and her team are working to establish patient-derived xenograft (PDX) models and use them to potentially predict effective treatment methods. Tissue from oral cavity cancers are being collected in order to create PDX models that will be used i) to evaluate outcomes of rapid engraftment in a prospective study; ii) to identify a biomarker that indicates rapid engraftment and iii) to predict treatment pathways using computational technology.

Head & Neck Oncology Research, Sinai Health

Joel Davies, Eric Monteiro, Allan Vescan, Ian Witterick

This was a productive research year with a variety of successes and challenges. We had applied for seed funding through a variety of avenues including Science of Care, AAOHNS CORE grant and Harry Barberian. We did secure funding through the Science of Care competition (“Utilizing Open-Source Software to Develop Low-Cost Patient Matched Oral-Maxillofacial Surgical Guides to Facilitate Patient Care and Improve Surgical Outcomes” & “Use of Amnion/Chorion Allograft Onlay for radial Forearm/Fibular Free Flap Donor Sites”) and the Harry Barberian Scholarship Fund (“The Impact of Patient-specific surgical Cutting Guides on Pathological Margin Status” & “Use of Smartphone Infrared Thermography to Identify Free Flap Perforators and Assist in free Flap Planning”). These projects are all nearing completion of review through our local REB committee, and we are excited to initiate these studies. One study, “Use of Amnion/Chorion Allograft Onlay for Radial Forearm/Fibular Free Flap Donor Sites” was awarded the top research prize for the Science of Care competition. With regards to peer reviewed publications, we have been fortunate to have published six publications in which Dr. Joel Davies has been either first author, co-author or senior author. We have collaborated across multiple institutions across Canada locally (SHSC, UHN/PMCC), nationally (via the Collaborative Research Initiative) and internationally (ie. MD Anderson, Memorial Sloan Kettering, Massachusetts Eye and Ear Infirmary). We hope to continue to develop and strengthen these collaborations in the coming years.

Highlights

• Inaugural Drucker Reitman Family Discovery Award, First Place in Science of Care Research Competition, Sinai Health. Use of Amnion/Chorion Allograft Onlay for Radial Forearm/Fibular Free Flap Donor Sites: Randomized control Clinical Trial. $2,000 CAD
• Harry Barberian Scholarship Fund, Department of Otolaryngology-Head & Neck Surgery. The Impact of Patient-specific Surgical Cutting Guides on Pathological Margin Status: A Prospective Study on Virtual Surgical Planning in Head and Neck Cancer. Trainee Name: Dr. Tanya Chen $5,000 CAD

• Harry Barberian Scholarship Fund, Department of Otolaryngology-Head & Neck Surgery. Use of Smartphone Infrared Thermography to Identify Free Flap Perforators and Assist in Free Flap Planning. Trainee Name: Dr. Gianluca Sampieri $5,000 CAD

• Science of Care Research Award, Sinai Health. Utilizing Open-Source Software to Develop Low-cost Patient Matched Oral-maxillofacial Surgical Guides to Facilitate Patient Care and Improve Surgical Outcomes. $10,000 CAD

• Science of Care Research Award, Sinai Health. Use of Amnion/Chorion Allograft Onlay for Radial Forearm/Fibular Free Flap Donor Sites: Randomized Controlled Clinical Trial. $10,000 CAD

**Publications:**


Goals for the coming year

- Completion of coursework component of MSc in Artificial Intelligence (JDavies)
- Application for further internal/external grant funding
- Initiation of research projects currently under REB review
  - Use of smartphone infrared thermography to identify free flap perforators and assist in free flap planning
  - Utility of three-dimensional printed cutting guides for complex jaw reconstruction: a novel surgical innovation for head and neck reconstruction
  - Towards a better paradigm for head and neck cancer treatment applying artificial intelligence: an international cohort study of electronic health records
  - Use of Amnion/Chorion allograft onlay for radial forearm/fibular free flap donor sites: A randomized controlled clinical trial.
  - An interactive augmented reality software for facial reconstructive surgeries.

Guided Therapeutics (GTx) Research Program, University Health Network

Dr. Jonathan Irish (GTx Program Leader, Senior Scientist-Princess Margaret Research Institute)

GTx Program Staff:
Jason Townson, PhD (Program Manager/Staff Scientist), Michael Daly, PhD (Staff Scientist/Engineer), Harley Chan, PhD (Staff Engineer), Robert Weersink, PhD (Physicist), Daniel Lin (Staff Engineer), Jimmy Qiu (Staff Engineer)

GTx International Scholar Scientist:
Drs. Nidal Muhanna MD PhD, Donovan Eu MD, Catriona Douglas MD PhD, Axel Sahovaler MD

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

GTx Fellows:
Drs. Alon Pener-Tessler, Esmat Najjar and Sharon Tzelnick

GTx Visiting Resident (Italy-Toronto Collaboration):
Drs. Alessandra Ruaro and Tiziana Mondello
GTx Engineering / Physics Students:
Natalie Won, Josephine La Macchia, Anjola Adewale, Jerry Wan

The GTx Research Program, part of UHN’s Princess Margaret Cancer Centre as of 2023, 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-OR.2 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:

- Pre-clinical and translation research focused on oral cavity cancer treatment using nanoparticle-enabled fluorescence imaging and photodynamic therapy. This research is part of a collaborative research team funded by a Terry Fox New Frontiers Program Project Grant ($6,600,000 CAD-PI: G Zhang, Co-PI J Irish, B Wilson) for “Porphysome Nanoparticle-Enabled Image-Guided Cancer Interventions”. In the last year this included completion of studies outlining efficacy of nanoparticle-enabled photodynamic therapy (PDT) as a monotherapy or adjuvant therapy for oral cavity cancers, findings summarized in Sahovaler et al (2023) and Tzelnick et al (2024). New research examining the effect of PDT on oropharyngeal cancer, as well as persistent disease following radiation therapy was also started, with highlights presented by fellow Dr. Esmat Najjar at the 2023 AHNS 11th International Conference on Head and Neck Cancer in Montreal.

- The GTx group has continued collaboration with the Dr. Michelle Oblak at the University of Guelph/Ontario Veterinary College to examine the 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). During 2022/23, the first imaging safety studies were successfully completed in cats, with the group now focusing on monotherapy and adjuvant PDT treatment of cats and dogs with oral cavity cancers.

- With funding from a Raymond Ng & Wendy Chui Innovation Award (U of T OHNS), the team continued development of an “AI-enabled 3D Fluorescence Imaging System for Head and Neck Surgery”. This past year, key progress included development of a novel mathematical model for tumour shape used to train a deep convolutional neural network, assembly of an improved hardware device to support translational studies, and system evaluation in animal models using porphysome fluorescent nanoparticles.

- Dr. Mandolin Bartling continued research from her PGY2 research block on the project “Clinical Oral Cancer Tumour Models for AI-Enabled 3D Fluorescence Imaging”. This past year provided validation of the AI algorithms in simulations based on real patient cases, and initial results in lab models based on 3D printing. Dr. Bartling presented the preliminary results of this study in April at Percy Ireland Day and in July as a podium presentation at the 2023 AHNS 11th International Conference on Head and Neck Cancer in Montreal. Mandolin’s work is now being supported through a Harry Barberian Scholarship Award and a Dr. Ian Witterick Research Award (U of T OHNS), to build on these initial findings through additional model testing.
Training the next generation of biomedical engineers and medical physicists through co-op placements in GTx-LAB. This past year, four students (Natalie Won, Josephine La Macchia, Anjola Adewale, and Jerry Wan) made valuable contributions to the 3D fluorescence project including software programming, hardware prototyping and lab experiments. This resulted in multiple presentations at external conferences including the OPTICA Biophotonics Congress, Imaging Network Ontario Symposium, and Toronto Biomedical Engineering Conference.

The international collaboration with the Universities of Padua and Brescia, part of the GTx International Scholars Program, continued this past year with fellows Drs. Alessandra Ruaro and Tiziana Mondello training and working on various research projects at UHN. This collaboration continues to focus on methods of reconstruction, including use of stem cells and scaffolds for mandible defects. Alessandra presented a research update as an invited speaker at the 2023 AHNS 11th International Conference on Head and Neck Cancer in Montreal. Additionally, PIs from Toronto, Brescia and Padua met together in person this year to present research and discuss research plans moving forward at international meetings in Milan and Montreal.

The GTx-OR2 at Mount Sinai this year has been successfully utilized by Drs. Jay Wunder and Peter Ferguson in the surgical treatment of osteosarcoma cases, supported by the GTx-developed navigation technology operated by members of the GTx Program. Furthermore, the surgical and technical teams have worked together to further refine the navigation workflow and developed new tools to help improve consistency. Exploratory work is also being done on the value of 3D printed models of patient anatomy to assist with pre-operative and intra-operative planning of complex surgical cases. This work has been supported by the Strobele Family Guided Therapeutics (GTx) Research Fund.

The GTx-Lab provided multiple tours of the research facilities, including hosting PMC Foundation tours, UHN STEM Pathways educational outreach and clinical and research visitor tours.

Fellowships: 1) Sharon Tzelnick and Esmat Najjar successfully completed 1 year as GTx research fellows and 2) Alessandra Ruaro, the 5th GTx-Italy research fellow, successfully completed her fellowship in December 2022 and has returned to the University of Padua. Tiziana Mondello has joined the GTx team from Brescia as of May 2023.
Rhinology Research, St. Michael’s Hospital
John Lee, Yvonne Chan

2022-2023 marked an incredibly productive year for rhinology research activities at St. Michael’s Hospital, Unity Health Toronto. Between scientific oral presentations at national and international meetings (9 total) as well as published manuscripts (9 total), SMH continues to demonstrate both consistency and meaningful productivity in the realm of academic rhinology. These achievements would not be possible without the incredible work of our trainees who are the foundation of what we do. Additionally, I would like to extend my personal thanks to the Dunin Foundation for their continued support of my rhinology research activities.

Highlights Scientific Presentations:

International


National


Local


Publications:


Goals for the coming year

• Continue to leverage the large clinical volume of rhinology care that is delivered at SMH to answer important research questions in our field

• Continue to foster the collaborative multidisciplinary research that occurs with the divisions of neurosurgery, allergy & immunology, respirology as well as our translational research partners at the Li Ka Shing Knowledge Institute

• Improve multi-institutional research in rhinology across the entire department at the University of Toronto
The Paediatric Airway and Head & Neck Research Laboratory at the Hospital for Sick Children has been involved in a variety of projects involving the pediatric airway, head and neck, ranging from basic science to educational research. We have continued our work investigating pediatric disorders of the head and neck ranging from airway and esophageal foreign bodies to tonsillectomy and open airway surgery. Our work in esophageal button battery impactions has expanded from literature reports to basic science work developing new methods to dispose of and coat button batteries to prevent harm. Drs. Jake Wihlidal and Elysia Grose have been looking at household agents that could be used to coat button batteries and limit burns. After multiple iterations, they have narrowed down the number of agents using a hot dog model and this will be moving to a porcine esophageal model soon. Through a collaboration with the department of Engineering, our graduate student Daniel Mul has developed a novel hydrogel that is currently being tested in an ex-vivo porcine model. In a review of 680 esophageal foreign bodies performed by Tanya Chen, we identified that dangerous foreign bodies such as button batteries are particularly problematic in populations of children of lower socioeconomic status. We have also started an outreach program and are currently working with the Toronto District School Board to develop teaching opportunities aimed at prevention. Following our very successful public knowledge survey regarding button batteries, we have started two similar studies looking at public knowledge regarding the age of introduction of solid foods in infants (led by Alex Treble) as well as how to manage other dangerous foreign bodies (led by Dr. Nicole Crimi). The results of these will be presented at upcoming meetings such as the American Society of Pediatric Otolaryngology and the Canadian Society of Otolaryngology-Head & Neck Surgery.

Painful procedures early in life are known to have long term repercussions in children. We have recently completed a multicenter, prospective trial examining the impact of parental mental health on postoperative pain control in our most vulnerable patients undergoing tonsillectomy and adenoidectomy. This work involved collaboration with multiple community sites providing opportunities for our community partners to take part in research pursuits. We are currently in the analysis phase and hope to present our findings at the upcoming CSOHNS meeting. We are also starting to study pain in infants undergoing flexible nasolaryngoscopy. We have just completed a prospective, randomized blinded pilot study on the use of sucrose to mitigate pain in infants undergoing flexible nasolaryngoscopy. Our results will be presented at this year’s ASPO. This study will now become a randomized, placebo controlled trial using objective measures, such as skin conductance, to better quantify infant pain.

Our ongoing work in endoscopic and open airway surgery has led to a review of COVID-Croup compared with croup prior to COVID-19, which was led by Dr. Elysia Grose, with incredible contributions from Drd. Brian Shin, Anne-Sophie Prevost, Vincent Wu, Tal Honigman, Sheila Yu, and Jonah Gorodensky. This work was presented at ASPO and will soon be submitted for publication. We have also developed a novel technique for endoscopic suture closure of H-type tracheoesophageal fistulae, which was recently presented at the 11th Annual Meeting of the Aerodigestive Society, and has been submitted for publication in The Laryngoscope. We have also re-examined the classic Meyer–Cotton subglottic stenosis grading system to account for the different manufacturers of endotracheal tubes, which can significantly alter airway sizing in children. Our publication has garnered quite a bit of attention and is scheduled to be incorporated into an international
airway app developed at an outside institution.

**Highlights**

- Jennifer Siu was hired as a new part of the airway/head and neck team
- Dr. Propst was promoted to full professor at the University of Toronto
- Tanya Chen won the Canadian Society of Otolaryngology-Head & Neck Surgery Poliquin Resident Research Award
- Earlier this year we developed an esophageal foreign body removal simulation session for residents rotating through our site

**Goals for the coming year**

- Dr. Siu will continue to integrate into the team and develop her interests in aerodigestive surgery as well as artificial intelligence
- Restart Toronto Airway Course

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**Voice and Upper Airway Laboratory, St. Michael’s Hospital**

**Jennifer Anderson & R. Jun Lin**

The Voice team at St. Michael’s Hospital now includes three speech language pathologists who are participating in teaching and research: Marta De Luca, Janine Fitzpatrick and Taylor Strande. Two full time laryngologists are Dr. Jun Lin and Dr. Jennifer Anderson with two part time laryngologists Dr. Taryn Davids and Dr. Tulika Shinghal.

Education has been multidisciplinary with graduate students from speech language pathology and vocal pedagogy students from the Faculty of Music participating in several student placements, lab visits and lectures. A collaborative research project between the speech pathology and laryngology was published on Voice Feminization listed below. A new project, led by Taylor Strande as principal investigator, is under REB review on “The Impact of Voice Disorders on Sexual Wellbeing”.

Dr. Lin and Dr. Anderson were active nationally and internationally presenting original research or as invited panellists at various conferences including the CSO-HNS, Fall Voice (San Francisco), COSM (Boston), ELS (Milan, It), and the International Association of Phonosurgery (Kyoto, Japan).

Ongoing work includes a randomized control study on in-office laser treatment of respiratory papilloma, national study on transcriptomic changes in subglottic stenosis (Dr. Lin, Co-PI) and prospective study on high resolution manometry in RCPD patients.

The laryngology fellow from Singapore is Dr Huixin Hu is involved in two projects; one on Environmental Sustainability in Laryngology procedures and the second is a retrospective study on subglottic stenosis clinical management with Drs. Anderson and Davids.

The laryngology team had a total of 7 publications in the year 2022-2023 with some highlighted below.
Highlights

• 2023 Apr Principal Investigator, Dr. Lin: Microbiome Profile in iSGS, Department Research Award, Bryan Coburn, $25,000


• Ramazani F, Wright E, Randall D, Lin RJ, Jeffrey C. Developing an Objective Structured Assessment of Technical Skills (OSATS) for Microlaryngoscopy. Laryngoscope 2023 Feb 23. PMID: 36815598 DOI: 10.1002/lary.30610


Goals for the coming year

• Completion of “Retrograde Cricopharyngeus Dysfunction: prospective study on outcome post Botox injection and HRES” (N> 100)

• Adjuvant ILSI for Subglottic stenosis, effect on clinical treatment (N= 82)

• Completion of ‘Comparison of transcriptomic changes in idiopathic subglottic stenosis and normal respiratory mucosa using High Throughput RNA sequencing’ (Dr. Nichols -UWO and Dr. Lin co PI, Dr. Anderson Co-Investigator)

Dr. Anderson with three former fellows in ELS Milan. Dr. Baksh (Saudi Arabia,) Dr. Besserer (Mexico) and Dr. Premsuda Sombuntham (Thailand)
Sinai Health

Joel Davies, Eric Monteiro, Ian Witterick

Our primary focus this past year was on improving turnaround time (TAT) on pathology reports to facilitate timely initiation of postoperative radiation. This project was initially started as a broader study through the American Head and Neck Society Value and Quality of Care Service. We created a real-time pathology database that is updated weekly with time sensitive head and neck oncology cases that is accessible to our entire pathology team (including pathology assistants). With this database, we can provide the pathology team with the information they need to prioritize cases appropriately. There was a significant improvement in TAT with this quality initiative (pre-intervention TAT: 35 days vs postintervention TAT: 26 days). This did translate into an improvement in time to radiation (Pre-intervention: 62 days vs Post-intervention: 46 days).

The preliminary results of this presentation were presented at our local Percy Ireland Academic Day (Dr. Chantal Li) and our final results have been submitted as an abstract for the upcoming combined AHNS/COSM meeting. A manuscript has also been initiated and we hope to have it submitted in the coming year.

A second project which was a collaboration between the Medical Device Reprocessing Department (MDRD) and the Sinai Health Otolaryngology-Head & Neck Surgery group, involved decreasing the risk of aerosolization in medical device reprocessing. New techniques (ultrasonic cleaning) were developed for reprocessing surgical instrumentation (ie. Da Vinci robotic and endoscopic instrumentation). Preliminary results demonstrate minimal aerosol generation and decreased particle production.

Highlights

- American Head and Neck Society Value and Quality of Care Service initiative (improving time to initiation of postoperative radiation)
- Awarded a Science of Care research grant for “Worker risk from ultrasonicator aerosolization in medical device reprocessing”

Goals for the coming year

- Presentation of results of “Improving Time to Post-operative Radiation Therapy in Head and Neck Oncology: An Institutional Perspective” at AHNS/COSM meeting
- Submission of manuscript “Improving Time to Post-operative Radiation Therapy in Head and Neck Oncology: An Institutional Perspective”
- Complete study on use of ultrasonic cleaning in MDRD
Humanitarian Outreach
Face the Future™ Foundation

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

Overview

Face the Future Foundation was founded in 1996 with a vision to reduce the surgical burden of patients in developing or war-torn countries through life-saving transformative facial reconstructive surgery and education. This is achieved through the development of highly selected teams of expert surgeons, nurses, anesthesiologists and other healthcare providers to meet the needs as determined by the host country.

Surgical missions of 8 to 10 days focus on complex surgeries and education through symposia, rounds, hands-on training, and virtual teaching to build capacity and enhance sustainability in global health care.

In academic 2022–2023, there were five missions in total, these representing 51 missions in 27 years.

In January 2023, plastic surgeon and former fellow of Dr. Adamson, Dr. Jeremy Warner of Chicago, acted as Mission Director for our second 10-member team to the Kirtipur Cleft and Burn Hospital in Kathmandu, Nepal. Over 80 patients were consulted upon and treated for head and neck congenital, traumatic, post- ablative, and facial nerve reconstructive procedures. Upper extremity deformities and injuries in childhood and adults were assessed and surgically reconstructed, and physiotherapy programs instituted. A major focus was on the Intensive Care Unit of the 65-bed burn unit to manage acute care and improve morbidity and mortality. Teaching rounds were held daily, and hands-on training was provided in the operating room.

L to R: Dr. Peter Adamson, President and Founder Face the Future Foundation and Chef de Mission, Dr. Buddha Basnyat, Honorary Consul of Canada, Kathmandu, Nepal; Dr. Jeremy Warner, Mission Director.

L to R: Dr. Jeremy Warner, Chicago, Illinois and Dr. Neil Salyapongse, Madison, Wisconsin, performing microsurgical facial nerve reanimation at the Kirtipur Hospital, Kathmandu.
Dr. Andres Gantous, Head of our Division of FPRS, was our Mission Director for a new mission to the Rwanda Military Hospital (a public hospital) in Kigali. This Toronto team of six provided detailed instruction in rib graft nasal reconstruction for 11 cleft lip and nose patients. Local junior surgeons acted as primary surgeons, guided by Dr. Gantous and his team. Academic presentations supplemented the practical training.
In March 2023, Face the Future mounted its most challenging mission ever, sending a 13-member team to Ivano-Frankivsk, Ukraine to treat soldiers and civilians with severe head and neck war injuries. The team was led by Professor Anthony Brisset of Houston and consisted of two facial plastic surgeons, and a head and neck, oculoplastic and plastic surgeon - this eclectic expertise was needed to manage the pan-facial, skull and neck injuries being treated. 112 procedures were completed in 31 patients, with several to be returning for further reconstruction. Many patients required bone, cartilage or patient-specific implants for structural skeletal support. This was followed by procedures including local and regional flaps, periorbital, perioral and nasal reconstruction for absent tissue, scar revision, and facial nerve reanimation. 200 surgeons and nurses attended our International Symposium on War Injuries and 590 surgeons viewed surgeries live-streamed from the operating room.

The mission was selected by CNN International for a documentary, this resulting in major media exposure in Ukraine, Canada, and internationally.

Our final mission included a five-member Toronto team of OMFS surgeons, led by Dr. Marco Caminiti, to the Tikur Anbessa (Black Lion) Hospital in Addis Ababa, Ethiopia. Their work and teaching focused on congenital, traumatic and post-ablative management of oral and maxillofacial conditions, most of them severe and complex. The Foundation enjoys a productive working relationship with the Toronto Addis Ababa Academic Collaboration (TAAAC) for this mission.
Highlights
- 4 major missions to Nepal, Rwanda, Ukraine, and Ethiopia, representing 51 missions since 1996
- Nepal Mission well established, with spectrum of cases and teaching expanding
- Well-established surgical foundation in Kigali now allowing more annual missions focusing on very specific procedures and advanced local training
- Ukraine mission demanding but very successful and rewarding. The need is great and presents a generational challenge for surgical treatment and education
- Ethiopia mission firmly established with good relationship with TAAAC
- Chrysalis fundraising event a success in reaching new supporters

Goals 2023-24
- Increase number of missions to seven, two each to Nepal, Ukraine, and Rwanda, and one to Ethiopia (6 of 7 already confirmed)
- Continue to explore potential new mission sites in Accra, Ghana, La Paz, Bolivia, and Maputo, Mozambique
- Continue to transform individual mission goals, personnel and structure to meet the evolving needs of our host countries
- Continue to delegate responsibilities and authority from Dr. Adamson as Chef de Mission and Mission Director roles to new Mission Directors to ensure long-term stability and viability for Face the Future Foundation

- Seek additional sources of funding to meet increasing financial needs to support more, and more complex, missions

**Ear Camps**

*Ambrose Lee, MD MSc, CCFP(EM), FCFP, FRCSC*

**Cambodia**

Dr. Ambrose Lee spent two days at the Chey Chumneas Hospital and two days at the Preah Andong Hospital in Phnom Penh.

Of the surgeries conducted, 13 were tympanoplasties, 2 hemithyroidectomy, 2 modified radical mastoidectomy as well as an examination of the ear under anesthesia (core, bilateral), a biopsy of lesion of external ear, and a myringotomy and grommet (and bilateral).

**Zanzibar**

Dr. Ambrose Lee completed an ear camp at the Mnazi Mmoha Hospital in Zanzibar, Tanzania from December 5-8, 2022.

Numbers were a bit lower because students are still studying for exams and therefore not willing to come out to have surgeries.

Despite this, Dr. Lee did some challenging cases:
- Massive retrosternal goiter without having to split the sternum. Not easy for a community otologist

- 20 cm thyroic colloid cyst

- Cholesteatoma eroding through the mastoid cortex in a 9-year-old. No facial palsy afterwards
Sioux Lookout

Vincent Lin, MD, FRCSC & Eric Monteiro, MD, MSc, FRCSC

This fall Drs. Lin and Monteiro continued their semi-annual trips to Sioux Lookout to continue providing care to the most northern reserves in Ontario. Drs. Li and Sampieri (residents) joined them and together they assessed over 250 patients and performed approximately 12 cases including septorhinoplasty, endoscopic tympanoplasty, functional endoscopic sinus surgery and tonsillectomy. At the end of the busy week, we even hiked up Sioux Mountain for a breathtaking view of the region.
Canadian Ukraine Surgical Aid Program

Danny Enepekides, MD, FRCSC, MPH & Kevin Higgins, MD, FRCSC

Drs. Danny Enepekides and Kevin Higgins joined the Canadian Ukraine Surgical Aid Program on a mission to Czeldaz, Poland, from November 24 to December 4, 2022. A 42 member team including plastic surgeons, orthopedic surgeons, anesthesiologists, intensivists, hospitalists, ward nurses, PACU nurses, ICU nurses, and logistical staff provided critical care to military and civilian casualties of the conflict in Ukraine. The head and neck team performed very needed complex microvascular and craniofacial reconstructions. The mission was a resounding success. The team is scheduled to return in March 2023.
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Transconjunctival Lower Eyelid Blepharoplasty with Volume Augmentation for Correction of the Lower Eyelid and Cheek Junction.

Gill P, Levin M, Farhood Z, Asaria J.
Surgical Training Simulators for Rhinoplasty: A Systematic Review.
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Levin M, Brace M, Sommer DD, Roskies M.
Operating Room Noise and Team Communication during Facial Plastic and Reconstructive Surgery: A Multicenter Study.

Facial Plastic Surgery & Aesthetic Medicine
Gantous A, Fernández-Pellón García RF.
Nasal Reconstruction in Granulomatosis with Polyangiitis: A Two Decade Review.

Fetal Diagnosis and Therapy
Flores Mendoza H, Campisi P, Deshpande P, Abbasi N, Van Mieghem T, Keunen J, Ryan G.
Fetal Endoscopic Tracheal Intubation: Modification of the Fetal Endoscopic Tracheal Intubation Procedure to Establish an Airway in a Fetus with a Congenital Cervical Teratoma.
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Photodynamic Nasal SARS-CoV-2 decolonization Shortens Infectivity and Influences Specific T-Cell Responses.
Front Cell Infect Microbiol. 2023 Jan 25;13:1110467. PMID: 36761900
Frontiers in Neurology
Face and Content Validation of the Amyotrophic Lateral Sclerosis-Bulbar Dysfunction Index (ALS-BDI).
Front Neurol. 2023 Jan 5;13:1078612. eCollection 2022. PMID: 36686519

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.
Front Hum Neurosci. 2022 Nov 7;16:1043499. eCollection 2022. PMID: 36419642

Frontiers in Oncology
Prognostic Value of PET/CT and MR-based Baseline Radiomics Among Patients with Non-metastatic Nasopharyngeal Carcinoma.
Front Oncol. 2022 Oct 24;12:952763. PMID: 36353565

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Front Oncol. 2023 Jan 27;13:1032581. PMID: 36776310

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Berania I, Tzelnick S, de Almeida JR, McKinnon G, Goldstein DP.
Practice Patterns for Positive Sentinel Lymph Node in Head and Neck Melanoma.
Head Neck. 2022 Dec 13. PMID: 36513594

Radiologic-Pathologic Correlation of Major Versus Minor Extranodal Extension in Oral Cavity Cancer.

Feng AL, Spector ME, Chinn SB, Holcomb AJ, Davies JC, Richmon JD, Lin DT, Varvares MA.
Cross-legged Modification for Medial Sural Artery Perforator Flap Harvest.
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Association of Post-treatment Longitudinal Symptom Severity Clusters with Subsequent Survival in Oropharyngeal Cancer.
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Augmenting Inter-rater Concordance of Radiologic Extranodal Extension in HPV-positive Oropharyngeal Carcinoma: A Multicenter Study.
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Parathyroid Hormone-Driven Algorithms After Thyroid Surgery: Not one-size-fits-all.
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Noman A, Mukherjee S, Le TN.
Manipulating the Blood Labyrinth Barrier with Mannitol to Prevent Cisplatin-Induced Hearing Loss.
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Variation in the Management of Hospitalized Children with Orbital Cellulitis Over 10 Years.
Hosp Pediatr. 2023 May 1;13(5):375-391. PMID: 37122049

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Anderson CA, Cushing SL, Papsin BC, Gordon KA.
Cortical Imbalance Following Delayed Restoration of Bilateral Hearing in Deaf Adolescents.
Hum Brain Mapp. 2022 Aug 15;43(12):3662-3679. Epub 2022 Apr 15. PMID: 35429083

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Radiographic Predictors of Occult Intracranial Involvement in Olfactory Neuroblastoma Patients.
Int Forum Allergy Rhinol. 2023 Feb 25. PMID: 36841933

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The Benefits and Risks of Non-Steroidal Anti-Inflammatory Drugs for Postoperative Analgesia in Sinonasal Surgery: A Systematic Review and Meta-Analysis.
Int Forum Allergy Rhinol. 2023 Feb 10. PMID: 36762711

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Readability and Quality Analysis of Patient Education Materials in Aspirin-Exacerbated Respiratory Disease.
Int Forum Allergy Rhinol. 2023 Jun 26. PMID: 37365855

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A Risk Prediction Model for Head and Neck Cancers Incorporating Lifestyle Factors, HPV Serology and Genetic Markers.
Int J Cancer. 2023 May 15;152(10):2069-2080. Epub 2023 Feb 1. PMID: 36694401

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Hedonic Perception of Odors in children Aged 5-8 Years is Similar Across 18 Countries: Preliminary Data.

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Salivary Gland Anlage Tumor: Evaluation and Management of a Rare Pediatric Condition.

International Journal of Radiation Oncology – Biophysics – Physics
Stereotactic Body Radiotherapy for Metastases to the Head and Neck.

International Orthopaedics
Quality Indicators in Primary Elective Total Hip and Knee Arthroplasty.
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Timeliness and Modality of Treatment for New Cancer Diagnoses During the COVID-19 Pandemic in Canada.
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Lee DJ, Sykes J, Griffin K, Noel CW, Hyung B, Chokar K, Yao CM, Tullis E, Lee JM.
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Individualized Risk Assessment of Distant Metastases in Oral Cavity Carcinoma: A Validated Predictive-Score Model.
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**Journal of the National Comprehensive Cancer Network**


**Journal of Medical Case Reports**


**Journal of Otolaryngology-Head & Neck Surgery**


Cannabis Use Amongst Tinnitus Patients: Consumption Patterns and Attitudes.

Samargandy S, Philteos J, Manojlovic Kolarski M, Xu J, Monteiro E, Vescan A.
Battle of the Axes: Simulation-based Assessment of Fine Needle Aspiration Biopsies for Thyroid Nodules.

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Shin D, Lebovic G, Lin RJ.
In-hospital Mortality for Aspiration Pneumonia in a Tertiary Teaching Hospital: A Retrospective Cohort Review from 2008 to 2018.

Canadian Multidisciplinary Expert Consensus on the Use of Biologics in Upper Airways: a Delphi Study.

Gender Representation in Leadership & Research: A 13-year Review of the Annual Canadian Society of Otolaryngology Meetings.

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**Journal of Paediatrics and Child Health**

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Button Battery Taping Prevents Oesophageal Injury.
Journal of Pediatric Surgery


Journal of Prosthetic Dentistry

Journal of Vestibular Research

Langenbeck’s Archives of Surgery

Laryngoscope Investigative Otolaryngology


Microsurgery
Microvascular Research
Combination mTOR and SHP2 Inhibitor Treatment of Lymphatic Malformation Endothelial Cells.
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Neurotrophin Signaling is a Central Mechanism of Salivary Dysfunction After Irradiation That Disrupts Myoepithelial Cells.

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Associations Between Human Papillomavirus Status, Weight Change, and Survival of Oropharyngeal Cancer Patients.
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Lai C, Lui JT, Chen JM, Lin VY, Agrawal SK, Blevins NH, Ladak HM, Pirouzmand F.
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The Collateral Impact of the COVID-19 Pandemic on HPV-positive Oropharyngeal Cancer Diagnosis.
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Otology & Neurotology


Otolaryngology–Head and Neck Surgery


**OTO Open**


**Paediatrics & Child Health**


**Pediatrics**


**Practical Radiation Oncology**

Radiology


MRI Radiogenomics of Pediatric Medulloblastoma: A Multicenter Study.

Radiographics


Cochlear Implantation: Systematic Approach to Preoperative Radiologic Evaluation.
Radiographics. 2023 Apr;43(4): e220102.PMID: 36893052

Radiotherapy and Oncology


Evaluation of Risk-tailored Individualized Selection of Radiation Therapy Target Volume for Head and Neck Carcinoma of Unknown Primary.
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Scientific Reports

Benjamin RS, Cushing SL, Blakeman AW, Campos JL, Papsin BC, Gordon KA.

Evaluating the Use of a Balance Prosthesis During Balance Perturbations in Children and Young Adults with Cochleovestibular Dysfunction.

Lui JT, Dahm V, Chen JM, Lin VY, Irish JC, Le TN, Chan HHL.

Using Augmented Reality to Guide Bone Conduction Device Implantation.

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.

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Heated Humidified High Flow Nasal Cannula Therapy in Children with Obstructive Sleep Apnea: A Randomized Cross-Over Trial.
Sleep Med. 2023 Apr 21; 107:81-88. PMID: 37148831
Techniques in Vascular and Interventional Radiology
Pace-Asciak P, Russell JO, Tufano RP.
The Treatment of Thyroid Cancer with Radiofrequency Ablation.

The American Journal of Surgical Pathology

The Canadian Oncology Nursing Journal
Understanding Compassionate Care from the Patient Perspective: Highlighting the Experience of Head and Neck Cancer Care.
Can Oncol Nurs J. 2023 Jan 1;33(1):74-86. PMID: 36789223

The Journal of International Advanced Otology
Kwinter A, Chayaopas N, Ma A, James AL.
Use of a Caprine Model for Simulation and Training of Endoscopic Ear surgery.

Lai C, Bajin D, Chen JM, Dickson BC, Keith J, Pirouzmand F.
Malignant Cerebellopontine Angle Peripheral Nerve Sheath Tumor with Divergent Mesenchymal (Cartilaginous) Differentiation Presenting with Catastrophic Hemorrhage: Case Report and Review.

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

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Wright FC, Milkovich J, Hunter A, Darling G, Irish J.
Refining the thoracic Surgical Oncology Regionalization Standards for esophageal Surgery in Ontario, Canada: Moving from Good to Better.
J Thorac Cardiovasc Surg. 2023 Mar 10:S0022-5223(23)00191-5. PMID: 37005118
The Lancet Diabetes & Endocrinology


The Lancet Oncology


Lancet Oncol. 2023 Feb 13: S1470-2045(23)00013-X. PMID: 36796393

The Laryngoscope


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

Eskander A, Noel CW, Griffiths R, Pasternak JD, Higgins K, Urbach D, Goldstein DP, Irish JC, Fu R.
Surgeon Thyroidectomy Case Volume Impacts Disease-free Survival in the Management of Thyroid Cancer.
Laryngoscope. 2022 Jul 7. PMID: 35796293

Influence of Grading on Management and Outcome in Mucoepidermoid Carcinoma of the Parotid-A Multi-institutional Analysis.
Laryngoscope. 2023 Jan;133(1):124-132. Epub 2022 Apr 27. PMID: 35475580

Magnetic Targeting of Gadolinium Contrast to Enhance MRI of the Inner Ear in Endolymphatic Hydrops.
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Laryngoscope. 2022 Jul 16. PMID: 35841387

In Response to Documentation in Pediatric Microlaryngoscopy/Bronchoscopy.
Laryngoscope. 2022 Dec 2. PMID: 36458665

Gaps in Depression Symptom Management for Patients with Head and Neck Cancer.
Laryngoscope. 2023 Feb 7. PMID: 36748910

Propst EJ, Wolter NE.
Myer-Cotton Grade of Subglottic Stenosis Depends on Style of Endotracheal Tube Used.
Laryngoscope. 2023 Jan 23. PMID: 36688266

Ramazani F, Wright ED, Randall DR, Lin JR, Jeffery CC.
Developing an Objective Structured Assessment of Technical Skills (OSATS) for Microlaryngoscopy.
Laryngoscope. 2023 Feb 23. PMID: 36815598

Quantifying Neck Fibrosis: Establishing the Domain Structure of the Neck Fibrosis Scale. Laryngoscope. 2022 Dec 7. PMID: 36479707

Schiff E, Propst EJ, Balakrishnan K, Johnson K, Lounsbury DW, Brenner MJ, Tawfik MM; Pediatric Tracheostomy Emergency Readiness Workgroup; Yang CJ.
Pediatric Tracheostomy Emergency Readiness Assessment Tool: International Consensus Recommendations.
Laryngoscope. 2023 Apr 28. PMID: 37114735

Predicting Maximal Costal Cartilage Graft Size for Laryngotracheal Reconstruction.
Ziai H, Campisi P, Wasserman JD.  
In Response to Incidental Parathyroidectomy Among Pediatric Patients Undergoing Thyroid Surgery.  
Laryngoscope. 2022 Oct 25. PMID: 36281891

**The Pediatric Infectious Disease Journal**

Invasive Pneumococcal Disease in High-risk Children: A 10-Year Retrospective Study.  
Pediatr Infect Dis J. 2023 Jan 1;42(1):74-81. Epub 2022 Nov 18. PMID: 36450100

**Translational Cancer Research**

Fu G, Witterick IJ.  
Transl Cancer Res. 2022 Aug;11(8):2483-2486. PMID: 36093553

**World Neurosurgery**

Pilot Study of Optical Topographic Imaging Based Neuronavigation for Mastoidectomy.  
World Neurosurg. 2022 Aug 8:S1878-8750(22)01052-X. PMID: 35953033
## INTERNATIONAL MEETINGS

### ARGENTINA

<table>
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<tr>
<th>Name</th>
<th>Role</th>
<th>Date</th>
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<tbody>
<tr>
<td>PAPSIN, B</td>
<td>Invited Faculty</td>
<td>2023 Jun</td>
<td>Perimodiolar Electrode Superiority: Why are we Still Debating This? VIth Course of the Pan American Association of Otolaryngology, Buenos Aires, Argentina.</td>
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<tr>
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<td>2023 Jun</td>
<td>Osia® Bone Conduction Aids: Implants in Younger Children. VIth Course of the Pan American Association of Otolaryngology, Buenos Aires, Argentina.</td>
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<tr>
<td></td>
<td>Keynote Speaker</td>
<td>2023 Jun</td>
<td>Hearing Loss and It’s Restoration; Cochlear Implantation as Viewed Through the Lens of Kuhn’s Scientific Revolutions. Technosalud Scientific Day, Buenos Aires, Argentina.</td>
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### AUSTRALIA

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<th>Name</th>
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<tbody>
<tr>
<td>BRADLEY, G</td>
<td>Invited Speaker</td>
<td>2023 Sept</td>
<td>Gingival Swellings. 2023 FDI &amp; Australian Dental Association Congress, Sydney, Australia.</td>
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<tr>
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<td>2023 Sep</td>
<td>Pediatric Jaw Lesions. 2023 FDI &amp; Australian Dental Association Congress, Sydney, Australia.</td>
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### BRASIL

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<tr>
<td>GANTOUS, A</td>
<td>Invited Faculty</td>
<td>2023 Apr</td>
<td>Dorsal Grafts: Which and When. The Science &amp; Art of Facial Makeover, Brasilia, Brazil.</td>
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<td>2023 Apr</td>
<td>What I Do When My Facelift Doesn’t Deliver the Desired Result. The Science &amp; Art of Facial Makeover, Brasilia, Brazil.</td>
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# INTERNATIONAL MEETINGS (continued)

## BULGARIA

**CHAN, Y**
- **2023 Jun**  
  Panellist. Complications in Sinus and Skull Base Surgery. 29th Congress of European Rhinologic Society, 40th Congress of the International Society of Inflammation and Allergy of the Nose (ISIAN) and 22nd Congress of the International Rhinologic Society (IRS) meeting. Sofia, Bulgaria.

## CAYMAN ISLANDS

### ASARIA, J
- **2023 Jan**  
  Session Moderator Practice Management. 7th Biennial Facial Plastic Surgery Update. Grand Cayman, Cayman Islands.

- **2023 Jan**  

- **2023 Jan**  

- **2023 Jan**  
  Panel Moderator. Practical Considerations in Rhinoplasty Practice. 7th Biennial Facial Plastic Surgery Update. Grand Cayman, Cayman Islands.

## CANADA (International Meetings in Canada)

### QUEBEC

### ESKANDER, A
- **2023 Jul**  
  Invited Presenter. Instructional Course 16: The Scapula Flap – Midface Defect Reconstruction. AHNS International Meeting. Montreal, QC.

- **2023 Jul**  
  Invited Panelist. Multidisciplinary Session: Advanced and/or Aggressive Thyroid Cancer - “New Hopes for Patients with Historically Limited Options”. AHNS International Meeting. Montreal, QC.

### HIGGINS, K
- **2023 Jul**  

## CHILE

### CHEN, J
- **2022 Nov**  
  International Guest Speaker. 1) Acoustic neuroma-lessons learned 2) Stapedotomy-tips / pitfalls 3) Approaches in middle ear reconstruction-OCR 4) Active Bone Conduction implants-indications and limitations. 78th Otolaryngology Congress, Vina del Mar, Chile.
# INTERNATIONAL MEETINGS (continued)

**DABDOUB, A**

2022 Invited Speaker. Primary Auditory Neuron Regeneration: Novel Delivery and Therapeutic Strategies. CORLAS, Santiago, Chile.

**ENEPEKIDES, D**


**LIN, V**

2023 Mar Guest Instructor. 1st Temporal Bone Course, Department of Otolaryngology – Head & Neck Surgery, University of Santiago. Santiago, Chile.

2023 Mar Invited Speaker. Cochlear Implantation: Future Molecular Treatments. XII Jornadas Internacionales de Otolgia y Audiologia. Santiago, Chile.

2023 Mar Invited Speaker. Updates on Bone Conduction Implants. XII Jornadas Internacionales de Otolgia y Audiologia. Santiago, Chile.

2023 Mar Invited Speaker. Middle Cranial Fossa Approach: Tips and Pearls. XII Jornadas Internacionales de Otolgia y Audiologia. Santiago, Chile.

2023 Mar Invited Speaker. Stapedotomy: Lessons Learned. XII Jornadas Internacionales de Otolgia y Audiologia. Santiago, Chile.

**INDIA**

**GORDON, K**

2022 Nov Invited Speaker. 1) Neurodevelopmental urgency for bilateral hearing, 2) Cochlear Implantation in Children with Residual Hearing, Cochlear Implant Group of India National Conference, New Delhi, India.

**ITALY**

**ANDERSON, J**

2023 Jun Invited Speaker. Abnormal HRES Pre and Post Botox Treatment for RCPD. European Laryngology Society meeting. Milan, Italy.

**CAMPISI, P**

2023 Jun Invited Speaker. Head and Neck Neoplasms in the Pediatric Age. 7th World Congress of the International Federation of Head & Neck Oncologic Societies. Rome, Italy.

# INTERNATIONAL MEETINGS

## ENEPEKIDES, D
2023 Jun  

## HIGGINS, K
2023 Jun  

## IRISH, J
2022 Oct  

## MARTINO, R
2022 Nov  

## WITTERICK, I
2023 Jun  

2022 Oct  

## JAPAN

## ANDERSON, J
2022 Oct  

2022 Oct  
HRES Abnormalities in RCPD. International Association of Phonosurgery. Kyoto, Japan.

## ESKANDER, A
2023 Jul  

## JAMES, A
2022 Dec  
### INTERNATIONAL MEETINGS (continued)

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<th>Date</th>
<th>Role</th>
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<tr>
<td>2022 Dec</td>
<td>Invited Speaker</td>
<td>Pediatric Cholesteatoma Surgery</td>
<td>Jichi Medical University, Utsonomiya, Japan.</td>
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<tr>
<td>2022 Dec</td>
<td>Invited Speaker</td>
<td>CT and/or MRI for pediatric cholesteatoma?</td>
<td>4th World Congress in Endoscopic Ear Surgery, Kyoto, Japan.</td>
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<tr>
<td>2022 Dec</td>
<td>Panellist</td>
<td>Technologies for Bone Removal in Congenital Ossicular Fixation</td>
<td>4th World Congress in Endoscopic Ear Surgery, Kyoto, Japan.</td>
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<tr>
<td>2022 Dec</td>
<td>Moderator &amp; Panellist</td>
<td>Endoscopic Ear Surgery in Infants and Very Young Children</td>
<td>4th World Congress in Endoscopic Ear Surgery, Kyoto, Japan.</td>
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<tr>
<td>2022 Dec</td>
<td>Moderator &amp; Panellist</td>
<td>Staging Cholesteatoma: Can it Guide Treatment or Predict Outcome?</td>
<td>4th World Congress in Endoscopic Ear Surgery, Kyoto, Japan.</td>
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### JORDAN

**YAO, C**

### MEXICO

**IRISH, J**

### NAPAL

**ADAMSON, P**
- **2023 Jan** Invited Speaker. Nasal Analysis and Surgical Planning for Rhinoplasty. Kirtipur Cleft and Burn Center, Face the Future Teaching Series, Kathmandu, Nepal.
### INTERNATIONAL MEETINGS (continued)

#### NETHERLAND

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<tr>
<td><strong>CHAN, Y</strong></td>
<td>2023 Jun</td>
<td>Panellist. Lessons from Different Disease Areas. GSK Nexus International, Amsterdam, Netherlands.</td>
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| **GORDON, K** | 2023 May   | Invited Speaker. Sustainability of Cochlear Implant Care: The Role of Virtual Visits from a Canadian Pediatric Cochlear Implant Centre, European Society of Pediatric Cochlear Implantation, Rotterdam, the Netherlands. |
|              | 2023 May   | Invited Speaker. Unilateral Deprivation in Children is Not a “Minimal” Hearing Loss: Evidence from Measures of Brain Plasticity, University of Gronigen, Gronigen, the Netherlands. |

#### OMAN

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## INTERNATIONAL MEETINGS (continued)

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### RWANDA

**ADAMSON, P**


### SAUDI ARABIA

**WOLTER, N**


### SERBIA

**LEE, A**


### SOUTH KOREA

**CAMPISI, P**

- **2023 Mar** Invited Speaker. Fetal intervention: The next frontier in pediatric airway intervention. 7th Asia-Pacific Pediatric Airway Conference. Incheon, South Korea.

### SPAIN

**GANTOUS, A**

- **2022 Nov** Invited International Faculty. Rhinoplasty: Personal Technique, II Congreso Nacional de la Sociedad Española de Cirugía Plástica Facial, Cordoba, Spain.
INTERNATIONAL MEETINGS (continued)


TAIWAN

KOENELDA, J
2023 May  Invited Speaker. How to Build your Confidence and have Happy Patients – The Safest Facial Regions to Inject as New Injectors. Aesthetics & Anti-aging Medicine World Congress Asia. Taipei, Taiwan.

2023 May  Invited Speaker. Best Treatment Path for Nose Patients, Surgical or Injectable? Simple and Safe HA Injection Techniques for Nose with Cannula. Aesthetics & Anti-aging Medicine World Congress Asia. Taipei, Taiwan.

UKRAINE

ADAMSON, P
2023 Mar  Symposium Chairman. 1) Essential Concepts in Facial Scar Revision, 2) Refinement Techniques in Nasal Tip Reconstruction, 3) Face the Future Foundation Surgical Missions. Face the Future Foundation Teaching Series, as part of the First International Symposium on Reconstruction of Head and Neck War Injuries, Ivano-Frankivsk Regional Hospital, Ivano-Frankivsk, Ukraine (Non-accredited CME course for Ukrainian surgeons organized for one day course of 8 hours which included six North American and two Ukrainian surgeons)

UNITED KINGDOM

ASARIA, J


CHAN, Y
2023 Jun  Moderator. Meet the Professor with Dr. Ashok Shaha. 6th World Congress on Thyroid Cancer. London, United Kingdom.

2022 Nov  Invited Speaker. Tips and Tricks for Successful Revision Sinus Surgery. 1st UK/EU Frontal Sinus Masterclass, Slough, United Kingdom.
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<tr>
<th>Name</th>
<th>Event</th>
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<tbody>
<tr>
<td>FREEMAN, J</td>
<td>Moderator. 1) Meet the Professors: Jeremy Freeman &amp; Daniel Rocke, 2) Ultrasound for Diagnosis and Treatment of Thyroid Disease, 3) Video Session, 4) Video Session - World Congress on Thyroid Cancer. World Congress on Thyroid Cancer, London, UK.</td>
<td>2023 Jun</td>
</tr>
<tr>
<td>GORDON, K</td>
<td>Invited Speaker. Outcomes of Cochlear Implantation in Children with Short Durations of Single Sided Deafness, Conference of the European Society of Pediatric Otolaryngology, Liverpool, UK.</td>
<td>2023 May</td>
</tr>
<tr>
<td>JAMES, A</td>
<td>Invited Speaker. Endoscopic Mastoid Surgery. 16th Congress of European Society of Pediatric Otolaryngology. Liverpool, UK.</td>
<td>2023 May</td>
</tr>
<tr>
<td>PROPST, E</td>
<td>Invited Speaker. 3D Printed Model as a Training Tool. European Society of Pediatric Otorhinolaryngology. Liverpool, England.</td>
<td>2023 May</td>
</tr>
</tbody>
</table>
WITTERICK, I

UNITED ARAB EMIRATES

CHAN, Y

2023 May Panellist. Optimizing the Surgical Field in Endoscopic Sinus Surgery. 18th Annual Meeting of the Middle East Academy of Otolaryngology – Head & Neck Surgery, Dubai, United Arab Emirates.


2023 May Panellist. How to Manage the Case of Recalcitrant Chronic Rhinosinusitis. 18th Annual Meeting of the Middle East Academy of Otolaryngology – Head & Neck Surgery, Dubai, United Arab Emirates.


DE ALMEIDA, J
2023 Jan Moderator. Unknown Primary Head and Neck Cancers. IFOS Meeting. Dubai, United Arab Emirates.

2023 Jan Invited Speaker. Transoral Robotic Lingual Tonsillectomy to Manage Unknown Primary Head and Neck Cancers. IFOS Meeting. Dubai, United Arab Emirates.


2023 Jan Invited Speaker. Quality of Life of Endoscopic vs. Open Approaches for Cranial Base Tumors. IFOS Meeting. Dubai, United Arab Emirates.

INTERNATIONAL MEETINGS (continued)


RUTKA, J
2023 Jan  Invited Speaker. Systemic and Topical Ototoxicity. International Federation of Otolaryngologic Societies (IFOS) Dubai ENT World Congress. Dubai, UAE.

2023 Jan  Invited Speaker. Semicircular Canal Based Surgery. International Federation of Otolaryngologic Societies (IFOS) Dubai ENT World Congress. Dubai, UAE.


WOLTER, N
2023 Jan  Invited Speaker. Chronic Rhinosinusitis in Children with Cystic Fibrosis. International Federation of ORL Societies ENT World Congress 2023, Dubai, UAE.

2023 Jan  Moderator. Subglottic Stenosis in Children. International Federation of ORL Societies (IFOS) ENT World Congress 2023, Dubai, UAE.

2023 Jan  Invited Speaker. Tonsillectomy in Vulnerable Patients. International Federation of ORL Societies (IFOS) ENT World Congress 2023, Dubai, UAE.

2023 Jan  Invited Speaker. Diagnostic Work-Up of Thyroid Lesions in Children. International Federation of ORL Societies (IFOS) ENT World Congress 2023, Dubai, UAE.

2023 Jan  Moderator. Fetal and Congenital Neck Masses Round Table. International Federation of ORL Societies (IFOS) ENT World Congress 2023, Dubai, UAE.

UNITED STATES

ANDERSON, J
2023 May  Delayed Hypersensitivity to Silastic after Medialisation Thyroplasty. COSM, Boston, MA.

CAMPISI, P
2023 Apr  Invited Speaker. Recurrent respiratory papillomatosis: Evidence of the beneficial effects of HPV vaccination on reducing the incidence and prevalence in high and low resource countries. 35th International Papillomavirus Conference. Washington, DC.

CHAN, Y
INTERNATIONAL MEETINGS (continued)


DABDOUB, A

2023  Invited Speaker. Using Ultrasound to Deliver Therapeutics to the Inner Ear. Hearing Science Seminar. Case Western Reserve University. Cleveland, OH.

2022  Invited Speaker. The Blood-labyrinth Barrier and Using Focused Ultrasound to Modulate it. Department of Otorhinolaryngology, University of Maryland, School of Medicine, College Park, MD.


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.
INTERNATIONAL MEETINGS (continued)

2022 Dec  Invited Speaker. Management of the contralateral neck in oropharyngeal cancer. Multidisciplinary Head and Neck Symposium. Lurie Cancer Center, Northwestern School of Medicine. Chicago IL.

ENEPEKIDES, D


ESKANDER, A

GANTOUS, A


2022 Sept  Invited Faculty. Surgical Scar Revision. 10th Biannual Facial Plastic Reconstruction Course. Department of Otolaryngology-HNS, Rutgers Medical School, Newark, NJ.

GORDON, K
2023 Jun  Invited Speaker. Cochlear Symposium, Early Cochlear Implantation in Children: When is early? American Cochlear Implant Alliance conference, Dallas, TX.


2023 Feb  Invited Speaker. Unilateral Deprivation in Children is Not a “Minimal” Hearing Loss: Evidence from Measures of Brain Plasticity, Symposium: Brain Plasticity in Deafness, Conference of the Association for Research in Otolaryngology, Orlando, FL.

IRISH, J  


LE, T  
2023 Jun  Invited Speaker. The Role of Gene Expression Profiles in Cochlear Implant Performance Outcomes. CI 2023, Dallas, TX

2023 Jan  Invited Speaker. Magnetic Targeting of Gadolinium Contrast to Enhance Magnetic Resonance Imaging of the Inner Ear in an Endolymphatic Hydrops Mouse Model. Triological Combined Section Meeting, Coronado, CA.

LEE, J  


LIN, RJ  
2023 Mar  Invited Faculty: Lifelong Learning in Laryngology: What Have I Done Differently After Fellowship? Three Rivers Otolaryngology Update. Department of OHNS, University of Pittsburgh Medical Center. Pittsburgh, PA.


LIN, V  

2023 May  Invited Speaker. Differences in Neural Correlates of Auditory Working Memory Between Cochlear Implant Users and Normal Hearing Controls. CI2023 Cochlear Implants in Children and Adults. Dallas, TX.

2023 May  Invited Speaker. Spatial Listening in CI Users with Single-Sided Deafness: Brain and Behavioural Measures of Listening Effort. CI2023 Cochlear Implants in Children and Adults. Dallas, TX.
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<tr>
<th>Date</th>
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<th>Location</th>
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<tbody>
<tr>
<td>2023 May</td>
<td>Invited Speaker. Spatial Attention Ability is Positively Correlated to Quality of Life in Cochlear Implant Users. CI2023 Cochlear Implants in Children and Adults.</td>
<td>Dallas, TX.</td>
</tr>
<tr>
<td>2022 Nov</td>
<td>Invited Speaker. Master Class: Advancing Swallowing Rehabilitation in the HNC: From the Research Lab to the Clinic. American Speech-Language and Hearing Association, New Orleans, LA.</td>
<td></td>
</tr>
<tr>
<td>2023 Feb</td>
<td>Moderator. Lateral Skull Base Surgery/Meningiomas. 32nd Annual Meeting of the North American Skull Base Society. Tampa, FL.</td>
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<tr>
<td>2023 Jun</td>
<td>Invited Speaker. Voice Disorders in Children. Department of Otolaryngology, University of Sao Paulo Medical School. Sao Paulo, Brazil (Virtual).</td>
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</tbody>
</table>
## INTERNATIONAL MEETINGS (continued)

**2023 May**
- Invited Speaker. Tracheostomy in Children. Department of Otolaryngology, University of Sao Paulo Medical School. Sao Paulo, Brazil (Virtual).

**DAVIES, J**
- **2023 Jan**

**ESKANDER, A**
- **2022 Oct**

**2022 Jul**

**FREEMAN, J**
- **2022 Oct**
  - Faculty. 1) Balkan & Black Sea (BBS) at the WCTC: Thyroid Cancer Working Group, 2) WCTC 2022 Summation and Closing Remarks. World Congress on Thyroid Cancer Tumour Board. (Virtual)

**GORDON, K**
- **2023 Feb**
  - Invited Speaker. The Importance of Early Intervention in Children with Hearing Loss. Consequences for Neural and Functional Development, All India Institute of Speech and Hearing Conference (Virtual).

**GOULDING, G**
- **2023 Mar**
  - Invited Speaker. Pediatric Cochlear Implantation at The Hospital for Sick Children. York University, Teacher of the Deaf & Hard of Hearing Program, Toronto, ON.

**2022 Oct**
- Invited Speaker. SickKids CI Program. IHP Tri-Region, Toronto, ON (Virtual).

**JAMES, A**
- **2023 Apr**

- **2023 Feb**
  - Panellist. Improving Outcomes in Pediatric Cholesteatoma. British Academic Conference in Otolaryngology, Birmingham, UK (Virtual).

- **2023 Jan**

- **2022 Nov**
INTERNATIONAL MEETINGS (continued)

MARTINO, R

PAPSIN, B

WITTERICK, I

NATIONAL MEETINGS

BRITISH COLUMBIA

CHAN, Y
2022 Oct  Invited Speaker. Starting a Practice in Otolaryngology. Canadian Society of Otolaryngology 76th Meeting, Vancouver, BC.

DIMITRIJEVIC, A
2022 Oct  Invited Speaker: Neural Correlates of Speech Auditory Streaming in CI Users are Related to Everyday Listening Experiences. Society for Psychophysiology Research, Vancouver, BC.

ENEPEKIDES, D

ESKANDER, A
<table>
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<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>LIN, RJ</td>
<td>2023 Mar Invited Faculty: Laryngotracheal stenosis in adults. Resident Academic Half-Day, University of British Columbia, Vancouver, BC.</td>
<td></td>
</tr>
<tr>
<td>2023 Mar</td>
<td>Invited Faculty: Pursuing the Holy Grail: How Close Have We Come to Fining a Cure in Laryngotracheal Stenosis? Division of OHNS Grand Rounds, University of British Columbia, Vancouver, Canada.</td>
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</table>
## NATIONAL MEETINGS (continued)

### MANITOBA

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<tr>
<th>Name</th>
<th>Event Description</th>
<th>Location</th>
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<tr>
<td></td>
<td>2023 May Visiting Professor and Invited Speaker. Endoscopic Sinus Surgery: An Evidence Based Approach,</td>
<td>Department of Otolaryngology-Head &amp; Neck Surgery Grand Rounds, University of Manitoba, Winnipeg, MB.</td>
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### NATIONAL MEETINGS IN ONTARIO

### ONTARIO

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<th>Name</th>
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### QUEBEC

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<tr>
<th>Name</th>
<th>Event Description</th>
<th>Location</th>
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<tbody>
<tr>
<td>JAMES, A</td>
<td>Invited Speaker &amp; Panel Discussion. Endoscopic Ear Surgery: Making Progress. 26th McNally Memorial Lecture.</td>
<td>McGill University, Montreal, ON.</td>
</tr>
</tbody>
</table>
## NATIONAL MEETINGS (continued)

### SASKATCHEWAN

**CHAN, Y**  
2022 Dec  
Invited Speaker. An Update in the Management of Chronic Rhinosinusitis. Wall Street ENT Group Meeting. Saskatoon, SK.

### VIRTUAL

**BRANDT, M**  
2023 May  

2023 May  

2023 May  

2023 May  

**CHAN, Y**  
2023 Feb  

## PROVINCIAL/LOCAL MEETINGS

**ASARIA, J**  
2023 Mar  

2022 Sep  

2023 Oct  
Moderator. Otolaryngology and Respirology and Perspectives on Dupixent. Toronto, ON.

**BRADLEY, G**  
2022 Oct  
Invited Speaker. Update on Oral Cancer and Precursor Lesions. Toronto Central Dental Society, Toronto, ON.
## PROVINCIAL/LOCAL MEETINGS (continued)

<table>
<thead>
<tr>
<th>Name</th>
<th>Date</th>
<th>Role and Details</th>
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</thead>
<tbody>
<tr>
<td>CAMPISI, P</td>
<td>2023 Apr</td>
<td>Invited Speaker. The Otoscopic Examination. Nurse Practitioner Program, University of Toronto, Toronto, ON.</td>
</tr>
<tr>
<td></td>
<td>2022 Nov</td>
<td>Invited Speaker. Pediatric Laryngology and Voice Disorders. Graduate Voice Pedagogy Course, Faculty of Music, University of Toronto, Toronto, ON.</td>
</tr>
<tr>
<td></td>
<td>2023 Mar</td>
<td>Invited Speaker. An Update in the Management of Chronic Rhinosinusitis: An Otolaryngologist’s Perspective. Division of Allergy &amp; Immunology, McMaster University. Virtual.</td>
</tr>
<tr>
<td></td>
<td>2023 Jan</td>
<td>Invited Speaker. Surgical Management of Rhinitis. Division of Clinical Immunology and Allergy Rounds, St. Michael’s Hospital. Toronto, Ontario.</td>
</tr>
<tr>
<td></td>
<td>2022 Sep</td>
<td>Invited Speaker. OHIP Billing 101. Western University Residency Teaching Session. Virtual.</td>
</tr>
</tbody>
</table>
CUSHING, S  
2022 Nov  Invited Speaker. Sleep Endoscopy – A Key Tool for Sleep Medicine Collaboration. Pediatric Sleep Day, Toronto, ON.

ESKANDER, A  
2023 May  Invited Speaker. HPV and Head & Neck Cancer. Primary Care Oncology Day. Mississauga Halton Central West Regional Cancer Program. Brampton, ON.

2023 Apr  Invited Speaker. The Impact of the COVID-19 pandemic on our Cancer System. Evaluative Clinical Sciences Rounds. Sunnybrook Research Institute & ICES. Toronto, ON.

2023 Jan  Invited Speaker. Epistaxis and Sensorineural Hearing Loss. CEPD Rounds. Sunnybrook Health Sciences Centre. Toronto, ON.


GORDON, K  
2023 Oct  Invited Speaker. From Hearing to Doing: How Children Use Their Hearing Devices to Convert Audibility into Meaningful Interactions with the World Around Them, Conference of the Canadian Academy of Audiology, Ottawa, ON.

2023 Mar  Invited Speaker. Optimizing Development in Children with Hearing Loss, Grand Rounds, Department of Otolaryngology-Head & Neck Surgery, University of Toronto, (Virtual).

JAMES, A  

LEE, J  
2023 Jun  Invited Speaker. Chronic Rhinosinusitis and Cystic Fibrosis: What’s New in 2023? Division of Respirology and Cystic Fibrosis Program, St. Michael’s Hospital, University of Toronto. Toronto, ON.

2023 Apr  Course Co-Director. University of Toronto Resident Sinus Surgery Course. Department of Otolaryngology-Head & Neck Surgery, University of Toronto.

2023 Apr  Invited Speaker, Endoscopic Anatomy of the Lateral Nasal Wall, University of Toronto Resident Sinus Surgery Course.

2023 May  Invited Speaker. A Review of Chronic Rhinosinusitis with Nasal Polyps: Surgery, Biologics and Everything in Between. Division of Allergy and Clinical Immunology Teach Rounds, University of Toronto.

2023 Feb  Invited Speaker. Understanding Real-World Effectiveness of Biologics in Chronic Rhinosinusitis with Nasal Polyps. 21st Annual Otolaryngology Update Meeting, University of Toronto.
**PROVINCIAL/LOCAL MEETINGS (continued)**

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<tr>
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<tbody>
<tr>
<td>LIN, RJ</td>
<td>2023 Apr</td>
<td>Invited Faculty: Laryngeal Hypersensitivity: The (can’t) Breathers, the Mute, and the Coughers. Clinical Immunology &amp; Allergy Grand Rounds, Department of Medicine. University of Toronto, Toronto, ON.</td>
<td></td>
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<tr>
<td></td>
<td>2023 Mar</td>
<td>Invited Faculty: Vocal Health for Singers. Vocal Pedagogy Program Vocal Outreach, Department of Music, University of Toronto, Toronto, ON.</td>
<td></td>
</tr>
<tr>
<td>PROPST, E</td>
<td>2023 Apr</td>
<td>Invited Speaker. Obstructive Sleep Apnea in Children. Canadian Sleep Society Conference. Ottawa, ON.</td>
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<td></td>
<td>2023 Mar</td>
<td>Invited Speaker. High Complexity, Excellent Outcomes Series Inaugural Lecture. Perioperative Services Grand Rounds, Hospital for Sick Children. Toronto, ON.</td>
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<tr>
<td></td>
<td>2023 Mar</td>
<td>Invited Speaker. Incorporation, Taxes, and other Tips. Otolaryngology PGY5 Resident Transition to Practice. Toronto, ON.</td>
<td></td>
</tr>
<tr>
<td>SIMONE, M</td>
<td>2022 Jul</td>
<td>Invited Speaker, Introduction to Adult Cochlear Implant Candidacy Management. Toronto General Hospital Audiology Rounds. Toronto ON.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2022 Apr</td>
<td>Invited Speaker, Adult Cochlear Implant Case Management and Counselling. Canadian Hearing Services Interprofessional Education Seminar, Toronto ON.</td>
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### INTERNATIONAL MEETINGS

#### BELGIUM

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<th>Author(s)</th>
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#### JAPAN

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#### NETHERLANDS

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<th>Author(s)</th>
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#### SPAIN

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<th>Author(s)</th>
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<th>Title</th>
<th>Conference/Location</th>
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</table>
INTERNATIONAL MEETINGS (continued)

UNITED STATES

ADAMSON, P
2022 Oct

BANH, J
2023 Jun

CAMPISI, P
2023 Apr

CHAN, Y
2023 May

2023 Feb

2022 Sep

2022 Sep

DE ALMEIDA, J
2023 Feb

GORDON, K
2023 Jun
Cushing SL, Goh S, Papaioannou V, Papsin BC, Gordon KA. Early Application of Surgical Bone Conduction Aids: Suitability of Osia® Implants in Children as Young as 5 Years of Age. American Cochlear Implant Alliance Conference, Dallas, TX.
INTERNATIONAL MEETINGS (continued)


LIN, RJ  

MARTINO, R  

<table>
<thead>
<tr>
<th>Date</th>
<th>Title</th>
<th>Authors</th>
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</thead>
<tbody>
<tr>
<td>2022 Nov</td>
<td>Applying a Framework for Dysphagia Intervention to Support Translation of Research to Practice.</td>
<td>Garcia R, Che V, Rodriguez V, Greco E, Martino R.</td>
</tr>
<tr>
<td>2022 July</td>
<td>Morbidity and Mortality Following Tonsillectomy for Obstructive Sleep Apnea in Children with Cerebral Palsy.</td>
<td>Li C, Propst EJ, Wolter NE.</td>
</tr>
</tbody>
</table>
INTERNATIONAL MEETINGS (continued)

WOLTER, N


YAO, C

VIRTUAL

DAVIES, J
INTERNATIONAL MEETINGS (continued)

GORDON, K
2022 Nov

NATIONAL MEETINGS

BRITISH COLUMBIA

CAMPISI, P
2022 Oct

WOLTER, N
2022 Oct

NATIONAL MEETINGS IN ONTARIO

CHAN, Y
2022 Oct

2002 Oct

2022 Oct

2022 Oct

2022 Oct
NATIONAL MEETINGS (continued)

DAVIES, J
2022 Oct

2022 Oct

LIN, RJ
2022 Oct

2022 Oct

2022 Oct

YAO, C
2022 Oct

PROVINCIAL/LOCAL MEETINGS

GORDON, K
2022 Oct

2022 Oct
Alemu RZ, Blakeman A, Cushing SL, Papsin BC, Gordon KA. Spatial Hearing is Impaired in Children with Bilateral Cochlear Implants. Canadian Audiology Association Conference, Niagara Falls, ON.

2022 Oct
### PROVINCIAL/LOCAL MEETINGS (continued)

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<thead>
<tr>
<th>Speaker</th>
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