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# Department of Otolaryngology–Head & Neck Surgery

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

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

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

- **Assistant Director, Pre-Clerkship**  
  Dr. Brad Hubbard
- **Assistant Director, Post Clerkship**  
  Dr. John Lee

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

**Vice-Chair Research**  
Dr. Robert V. Harrison

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## Committee Chair Holders

- **Executive**  
  Dr. Ian J. Witterick
- **Undergraduate**  
  Dr. Allan Vescan
- **Residency Program**  
  Dr. Paolo Campisi
- **Continuing Professional Development**  
  Dr. Yvonne Chan
- **Research**  
  Dr. Robert V. Harrison
- **Audiology**  
  Ms. Vicky Papaioannou
- **Department Appointments**  
  Dr. Jonathan C. Irish
- **Department Promotions**  
  Dr. Robert V. Harrison
- **Budget Advisory**  
  Dr. Ian J. Witterick
- **Community Academic Faculty**  
  Dr. Yvonne Chan
- **Advancement**  
  Dr. Patrick J. Gullane
- **Quality and Safety**  
  Dr. Danny Enepekides
Vision
International leadership in improving health through innovation and excellence in otolaryngology-head & neck surgical practice, research and education.

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

Values
Excellence • Collaboration • Integrity • Respect
Compassion • Accountability • Caring • Leadership • Innovation
Organizational Structure

DEAN
Faculty of Medicine

CHAIR
Otolaryngology-HNS

DIVISIONS
- Head & Neck Oncology and Reconstructive Surgery
- Facial Plastic & Reconstructive Surgery
- Rhinology

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

HOSPITAL CHIEFS
- Hospital for Sick Children
- Michael Garron Hospital
- North York General Hospital
- Sinai Health System
- St. Joseph’s Health Centre
- St. Michael’s Hospital
- Sunnybrook Health Sciences Centre
- Trillium Health Partners
- University Health Network
The Department of Otolaryngology-Head & Neck Surgery at the University of Toronto has a long and established history of education and research excellence. We provide national and international leadership to our specialty. We have faculty in leadership roles in our university, in our health care system, in our national specialty society, at the RCPSC and numerous international societies related to our specialty.

We currently have two Order of Canada recipients and three Order of Ontario recipients in our department. Our department has more Mosher Award winners (Triological Society Research Award) than any other department. Dr. Jonathan Irish is the provincial lead for surgical oncology for Ontario and he recently stepped down as Head of Surgical Oncology at Princess Margaret Cancer Centre. Dr. Dan Enepekides is Head of Surgical Oncology at the Odette Cancer Centre. Dr. Joseph Chen is the Provincial Coordinator for the Ontario Cochlear Implant Program.

As an example of international profile, four of our faculty are current presidents of international societies; Ralph Gilbert (International Academy of Oral Oncology), Jon Irish (American Head and Neck Society); David Pothier (International Working Group on Endoscopic Ear Surgery) and Ian Witterick (North American Skull Base Society). Dr. Blake Papsin will soon take over as President of the American Society of Pediatric Otolaryngology – the first Canadian president.

The department is made up of 140 faculty, 30 of which are full-time, 61 clinical adjunct, 4 part-time, 18 status-only and 27 cross-appointees. Approximately 74% of our faculty are male and 26% are female. In the 2016-17 academic year we had 27 residents-in-training and 21 fellows in the department.

Since 2012 we have recruited five full-time academic faculty members, four at the level of Assistant Professor and one Full Professor. During the same period we have added 28 clinical adjunct faculty appointments, two at the rank of Assistant Professor and 26 at the rank of Lecturer. We also recruited four status-only faculty (Lecturer – two, Assistant Professor – two) and one part-time faculty members at the rank of Assistant Professor. During this period we had 12 faculty departures.

Over a four-year period (2012-2016), there have been 8 promotions to Assistant Professor, 8 promotions to Associate Professor and 2 promotions to Full Professor.

External Review

In February 2017 our department underwent an external review including our education and research programs. We are most appreciative of the two external reviewers, Dr. Marion Couch from Indiana University and Dr. Paul Kerr from the University of Manitoba, for taking the time to review our department. I want to thank our Dean, Vice-Deans, Cognate Chairs, faculty, residents, fellows, medical students and administrative staff for their valuable time and energy to participate in this review.

The Executive Summary indicated “The University of Toronto, Department of Otolaryngology-Head and Neck Surgery (OHNS) is a world-class program that has been well led by Dr. Witterick in his first term as Department Chair.” The strengths cited included “a highly productive and loyal faculty, administration, and support staff, a rich clinical environment for education and research and an excellent educational infrastructure”.

Newest Order of Ontario recipients Drs. Peter Adamson (right) with Pat Gullane.
The external reviewers noted that “the Department enjoys an outstanding reputation of a world class team of superb surgeons, investigators, and educators. After two days of interviewing stakeholders, University colleagues, faculty members, residents, and administrative staff, the external reviewers found no major weaknesses. In fact, they found a department with strong and engaged leadership”. They also made the comment “This is an internationally renowned Department, particularly in the areas of Head and Neck Oncology, Pediatrics, Otology, and education. When you consider all aspects of an academic department’s performance, this Department is comfortably in the company of the top programs, worldwide. The research portfolio is robust, and the quality of the scholarly work is evident in their impact factor ratings. There is a remarkable group of senior leaders who have been tremendous ambassadors for the University of Toronto in national leadership roles as Presidents of major professional medical societies”.

I am pleased to report that I have been offered a second 5-year term as Chair of this wonderful department and have accepted.

**Education**

Our education leaders are excellent and do so much work to make our department excel; these are Dr. Paolo Campisi as Director of Postgraduate Medical Education (PGME) and Vice-Chair Education, Dr. Allan Vescan as Director of Undergraduate Medical Education (UME) and Dr. Yvonne Chan as Director of Continuing Professional Development (CPD). Dr. Molly Zirkle continues as the Director of the FitzGerald Academy.

**Undergraduate**

Our teaching effectiveness scores remain high and the contributions of our community academic faculty have been tremendous in helping with 3rd year clerkship rotations. The medical school was awarded eight year full accreditation and is embarking on a revitalization of the first three years. We will continue to have a significant contribution to the teaching of medical students. Interest in our specialty and department remains high judging from the number of applications for PGY1 residency positions through CaRMS and the high calibre of medical students matching to our program.

In UME, we look forward to working with a new UME curriculum for years 1 and 2 and continuing to participate in the Longitudinal Integrated Clerkship in year 3. Over the past five years we have seen some major new initiatives in UME from our department including the restructuring of the clerkship experience for medical students. This change was led by our department through collaboration with our community academic faculty who we are particularly grateful to for providing this experience. We were able to successfully spread half of the clinical clerks that rotate through our service for one week rotations out to community academic hospitals. This has led to a number of improvements in the rotation including 1. Improved student:faculty ratio in both community and academic sites; 2. Better hands-on experience in the operating room as first assistant; 3. Improved exposure to core general clinical scenarios. These changes have led to improved student and faculty satisfaction as seen through course evaluations and surveys.

**Postgraduate**

Residents and fellows are provided world class teaching experiences in academic and community medicine. All subspecialties of otolaryngology-head & neck surgery are covered and represented in the residency curriculum. Secondary and tertiary/quaternary cases are provided in significant numbers. Our specialty will be launching the Royal College’s Competency by Design program across all Canadian programs on July 1, 2017 and Dr. Campisi has us well positioned to take on this exciting new challenge in residency education.

Our postgraduate education training program is the largest training program for this specialty in Canada and one of the largest in North America. In 2016-17 there were 27 residents (five PGY1, five PGY2, five PGY3,
seven PGY4, and five PGY5) in the residency training program with 26 Canadian medical graduates (CMG’s), one international medical graduate (IMG), and one CMG currently enrolled in the clinician investigator program working towards a PhD degree.

The University of Toronto continues to be a beacon for fellowship training nationally and internationally. There were 22 fellows enrolled in clinical and research training programs for the 2016–2017 academic year. Over the past five years the number of fellows has fluctuated between 19–22 fellows. The department provides fellowship training in facial plastic & reconstructive surgery, head & neck surgical oncology, rhinology and skull base surgery, medical & surgical otology/neurotology, laryngology, and paediatric otolaryngology.

We have a very strong residency program as evidenced by teaching and rotation effectiveness scores, external reviews by the RCPSC and pass rate on the RCPSC fellowship examination. Our residents are very well thought of when looking for fellowship positions and get some of the most sought after fellowships. Our fellowship program is very strong and we get requests for training from all over the world, many from other academic institutions desiring their residents to be trained in our department so they can return to their home department.

In PGME, our specialty is poised to start Competency by Design in July 2017 and we are looking forward to this new challenge. We have already developed and tested competency tools for PGY1s and we are well on the way in developing these tools for PGY2s. We will be working closely with the Royal College and other otolaryngology–head & neck surgery departments across Canada to implement this exciting new change in residency education.

Congratulations to all of our PGY5 residents who were successful in passing their Royal College exams this year (Drs. Michael Au, Gian-Marc Busato, Gavin le Nobel, Gordon Tsang and Jennifer Wang). My very best wishes to our departing residents and fellows who have done so much to help make our department a success – a graduation ceremony was held on June 15, 2017 for the graduates and their families; we welcome them as new alumni.

Welcome to our incoming PGY1s – Drs. Justin Cottrell (Western University), Terence Fu (Toronto), Daniel Joonil Lee (Toronto), Shireen Samargandy (King Abdulaziz University) and Neil Verma (McGill University).

Continuing Professional Development

Our department has established a reputation of delivering world class continuing education programs under the University of Toronto brand for community and academic otolaryngologists, otolaryngology trainees as well as other allied health professionals. We are indebted to our entire faculty who volunteer their time and energy to organize the many successful courses and visiting professor lectures that are attended by otolaryngologists around the world.
The CPD content is delivered through weekly Grand Rounds, visiting professors, named lectureships, interactive as well as hands-on skills courses. Course content is developed through annual needs assessment and consultation with community and academic physicians.

Our faculty is actively engaged in the organization of international courses taking place in Toronto and abroad. Over the last five years, these include the 8th International Conference on Head & Neck Cancer chaired by Dr. Jonathan Irish in 2012 at the Toronto Metro Convention Centre. In July 2013, the 2nd World Congress on Thyroid Cancer took place in Toronto under the leadership of Drs. Jeremy Freeman and Ian Witterick who were part of the steering committee for this conference. Drs. Patrick Gullane and Ralph Gilbert were the international leads in the planning of the 2013 course, Controversies in the Management of Head & Neck & Thyroid Cancer, held in the United Kingdom. In October 2014, Drs. Karen Gordon and Blake Papsin hosted the 8th International Symposium on Objective Measures in Auditory Implants where there were 23 invited speakers from all over the world. Drs. Patrick Gullane and Ralph Gilbert help co-ordinate the annual course Current Concepts in Head & Neck Surgery, a joint event between the University of Toronto, MD Anderson Cancer Center, and Memorial Sloan Kettering Cancer Center held in Toronto in November 2015. In May 2016, Drs. Julian Nedzelski, Joseph Chen, Vincent Lin, and Alain Dabdoub hosted a most successful 14th International Conference on Cochlear Implants here in Toronto. Dr. Allan Vescan was the conference co-chair for the 2016 annual meeting of the North American Skull Base Society. Dr. Jonathan Irish was the Conference Chair for the 9th International Conference on Head and Neck Cancer in Seattle, Washington from July 16-20, 2016. Drs. Jeremy Freeman and Ian Witterick are members of the steering committee for the 3rd World Congress on Thyroid Cancer held in Boston in July 2017.

On November 21, 2016 the department in collaboration with the Department of Ophthalmology & Vision Sciences held a “Retirement Planning – Your Encore Career” seminar to help physicians identify important professional and personal considerations in planning the transition to life after medicine.

Research

There are few research areas traditionally associated with our specialty that are not the subject of research projects in our department. We have major foci in head and neck oncology and audiology/otology; in both of these areas there are basic, translational and clinical investigations. Other research areas include upper airway, laryngology, rhinology, facial plastic and reconstructive surgery, guided therapeutics and transoral robotic surgery. Dr. Robert Harrison does an impressive job as Vice-Chair Research and held a successful research evening on February 22, 2017 in the SickKids Research and Learning Tower.

In research, our department compares favourably with other top otolaryngology-hns programs in North America. Many of our peer-reviewed publications are published in high impact journals for our specialty and bibliometric indices of our faculty (e.g. h-index) are very good.

There has been an increased number of peer-reviewed publications and book chapters compared with the previous five year period. In addition, residents have been involved in 110 peer-reviewed publications since 2012. Our research productivity compares favourably with other top otolaryngology-hns departments.

For our recent external review, a bibliometric ranking of North American departments of otolaryngology–head & neck surgery provided by the Office of the Vice Dean, Research and Innovation, Faculty of Medicine was conducted. Our department was ranked 5th by publication count with the next closest Canadian university ranked number 18. Within the top five, our citation impact factor was higher than Harvard, Stanford and the University of Pittsburgh. In the 2016–17 academic year, our faculty published 111 articles in 69 journals, 16 book chapters, two books/volumes and gave more than 200 invited lectures/visiting professorships in 30 countries.
Dr. Jonathan Irish is a co-principal investigator on a 5-year $6.7M Terry Fox New Frontiers Program Project Grant in Porphysome Nanoparticle-Enable Image-Guided Cancer Interventions in addition to several other smaller grants. As a further indication of research health, at least 10 of our faculty are presently investigators or collaborators on major CIHR or NIH grants. In addition, we have excellent support through private donations, endowed or term chairs and industry support. Our department has sponsored multiple faculty to attend grant writing courses and we have had grand rounds on this topic. This year a “grant writing club” for early to mid-career faculty was trialed.

In May 2013, we initiated The Harry Barberian Research Fund supported by the Annual Harry Barberian Memorial Dinner. This event is held through the generosity of the Barberian Family and the purpose is to provide funds to support the research activities of residents, graduate students and junior faculty in our department. To date, more than $400,000 has been raised and funds distributed in amounts ranging from $2,000-$10,000 through a peer-reviewed mechanism adjudicating research applications.

Dr. Xiao Zhao (PGY4) is completing his PhD through IMS in regenerative medicine under the tutelage of Dr. Fei-Fei Liu. Xiao has received substantial support from the Canadian Institutes of Health Research (CIHR) and the very prestigious CIHR Vanier Canada Graduate Scholarship. Dr. Peter Dixon (PGY3) is starting a Master’s in July 2017 through the Institute of Health Policy, Management and Evaluation and the Surgeon-Scientist Program at the University of Toronto related to the quality-of-life and health/economic burdens of profound hearing loss. Peter has been awarded funding from the Ministry of Health – Clinician Investigator Program for the 2017-18 academic year.

Our department held another very successful Academic Day on Friday April 28, 2017 at the University of Toronto’s Hart House. Visiting Professor Dr. Dan M. Fliss, Chairman of the Department of Otolaryngology Head and Neck and Maxillofacial Surgery and the Interdisciplinary Center for Head and Neck Surgical Oncology at Tel-Aviv Sourasky Medical Center, affiliated to the Sackler Faculty of Medicine Tel-Aviv University) delivered the Percy Ireland Oration and Grimm Lecture titled “Skull Base Surgery, Lessons Learned”. Our Guest of Honour was Dr. Vito Forte.

Changes in the Department

In September 2016 we celebrated the amazing career of Dr. Julian Nedzelski who retired on June 30, 2017. We welcomed two new faculty at Sunnybrook. The first is Dr. Trung Le MD, PhD, a new otologist/neurotologist with interest in basic science/translational research related to cochlear implantation. The second is Dr. Andrew Dimitrijevic PhD, a research scientist with particular expertise in electrophysiology. They join the already fantastic otology and hearing research program at Sunnybrook which has grown under the leadership of Dr. Joe Chen.

Three international searches were conducted for new faculty at Sunnybrook Health Sciences Centre (SHSC), St. Michael’s Hospital (SMH) and the Hospital for Sick Children (HSC). I am pleased to announce the appointment of Dr. Tony Eskander at SHSC, Dr. Jun Lin at SMH and Dr. Nik Wolter at HSC who will all join our faculty early in the next academic year. A search remains under way for a PhD scientist to start a voice/larynx research program at SMH.

Dr. Joe Chen has completed his 10-year term as Otolaryngologist-in-Chief at Sunnybrook and a search committee has selected Dr. Dan Enepekides as his successor. We will be having a celebration for Joe in September 2017 as he has had a remarkable term as chief including the growth of an already world class clinical and research powerhouse in otology/neurotology.
A fond farewell to Dr. K.Y. Chow who will be retiring from clinical practice in Canada and returning to his native Hong Kong in September 2017 to be closer to family. K.Y. has been an amazing educator and supporter of our department for more than 40 years. On June 20, 2017 a retirement celebration was held for Dr. K.Y. Chow, hosted by the UHN Department of Otolaryngology-Head & Neck Surgery.

Dr. Alma Smitheringale is retiring from practice after a remarkable career at SickKids and North York General Hospital. Alma will be the Guest of Honour at the 2018 Percy Ireland Academic Day and Dinner.

A tribute symposium in honour of the career and legacy of Dr. Brian O’Sullivan (cross-appointed), “a leader in Oncology” was held on April 7, 2017 at the University Club. Dr. Paul Walfish (cross-appointed) retired from active practice on June 30, 2017. We thank both of these great clinicians and researchers for their years of collegiality and support of our department.

Divisions

We have a Division of Facial Plastic and Reconstructive Surgery which is very active led by Dr. Peter Adamson. Our Division of Head and Neck Oncology has been renamed to the Division of Head & Neck Oncology and Reconstructive Surgery. Dr. Ralph Gilbert has completed his 10-year term and Dr. Jon Irish will take over as of July 1, 2017.

A new Division of Rhinology led by Dr. John Lee was formed this year. In addition, the Executive Committee voted unanimously in favour of changing the Audiology Committee to the Division of Audiology effective July 1, 2017.

Passings

Professor Aongus Curran, former fellow, passed away on August 13, 2016. He was Professor of Oto-Rhino-Laryngology at the University College Dublin and completed a head and neck fellowship in Toronto in 1998. Aongus was a very valued member of the UCD School of Medicine.

One of our former faculty members, Dr. John Frederickson passed away on April 5, 2017. He pursued a long and distinguished career in academic otolaryngology - head & neck surgery, beginning at the University of Chicago, where he interned, the University of Freiburg, Germany, where he was a research fellow, and then on to Stanford University and his first teaching position. Returning to Canada, Dr. Frederickson was Head of Clinical Sciences at the University of Toronto for 15 years. Capping his career, he served from 1982 to 2002 as
Lindburgh Professor and Head of the Department of Otolaryngology-Head and Neck Surgery at Washington University.

**Promotions**

Congratulations to Drs. Sharon Cushing and Evan Propst on their promotions to Associate Professor and Dr. Adrian James on his Promotion to Full Professor, all effective July 1, 2017.

A reception for the promotions effective July 1, 2016 was held on October 13, 2016 in honour of our promoted faculty. This event was held at the University of Toronto’s Hart House for Dr. Karen Gordon (promoted to Full Professor) and Dr. David Goldstein (promoted to Associate Professor).

**Awards and Honours**

Highlights of some of the awards and honours in the 2016-17 academic year include:

- Dr. Peter Adamson was awarded the *Order of Ontario*. The award recognizes Dr. Adamson for being “an internationally recognized facial plastic and reconstructive surgeon whose techniques are taught worldwide and who regularly leads teams of plastic surgeons on medical missions through his Face the Future Foundation.”
- Dr. Sharon Cushing received the 2016 *Dean’s Rising Star Award*, Faculty of Medicine, University of Toronto. You can view a video about her accomplishments at [https://youtu.be/BDZmuM-iudc](https://youtu.be/BDZmuM-iudc).
- Dr. Dan Enepekides was awarded the *Annual Leo N. Stevens Excellence in Leadership Award* from SHSC.
- Dr. Paolo Campisi received a remarkable three major awards in 2016-17; these were the 2017 Canadian Association of Medical Education (CAME/ACÉM) Certificate of Merit Award, the Gabriel F. Tucker Award for 2017 and the 2017 Award for Excellence in Postgraduate Medical Education in the category of Development and Innovation.
- Dr. Yvonne Chan received the Sustained Excellence in Community-based Clinical Teaching (Community Hospital) Award.
- Dr. Everton Gooden was the recipient of the 2017 Harry Jerome Trailblazer Award recognizing and honouring excellence in African Canadian achievement.
- Dr. Vincent Lin had his thesis accepted by the Triological Society Council and was inducted into the Triological Society at their annual ceremony held on April 28, 2017 in San Diego.
- Dr. Christopher Yao (PGY4) won 2nd Place in the 2017 Poliquin Resident Competition for his research titled “Toronto Transit System Users may be at Risk for Early Onset Noise Induced Hearing Loss” at the 66th Annual Meeting of the Canadian Society of Otolaryngology–HNS (CSO-HNS) in Saskatoon.
- Dr. David Ellis received the Lifetime Achievement Award from the CSO-HNS.

**Alumni Relations**

We have significantly expanded our alumni functions and are reaching out on a regular basis through electronic communications including newsletters and annual reports to keep our alumni, faculty, residents and fellows up to date on the numerous great activities going on in the department. The Alumni & Friends Dinner was created in 2013 to coincide with our annual Otolaryngology Update. A tradition of honouring the resident class 25 years earlier has been successful.
The following alumni events/receptions were held in 2016-17:

1. July 18, 2016 at the Annual Meeting of the AHNS in Seattle, Washington
2. September 20, 2016 at the Annual Meeting of the AAO-HNS in San Diego, California
3. February 3, 2017 Annual Alumni Dinner at Hart House honouring the Class of 1991 (Drs. Warren Giberson, David Goldfarb, Jonathan Irish, David Tees and Peter White)
4. April 28, 2017 Percy Ireland Dinner, Park Hyatt, Toronto
5. June 12, 2017, Alumni Reception in Saskatoon at the Annual Meeting of the Canadian Society of Otolaryngology- Head & Neck Surgery

**Advancement**

Our department has made a concerted effort at alumni engagement evidenced through the increased number of alumni events and participation by alumni. We have been very successful with philanthropy with more than $15 million dollars raised/pledged in the last 5 years.

We have been successful in fund raising over the last 5 years with the assistance of the Faculty of Medicine’s Office of Advancement. An advancement brochure highlighting the department and our needs for potential donors has been created in hard copy and is available on our website.

In 2013 and 2014, we held fundraising dinners raising $200,000 to purchase OtoSim™ units for the Faculty of Medicine, mainly to teach otoscopy skills to medical students. We have held five fundraising dinners in May each year (2013-17) at Barberian’s Restaurant with the help of the SHS Foundation and the Barberian family in honour of the late Mr. Harry Barberian. The proceeds go to fund research in the department through a competitive peer-reviewed process. To date we have raised over $400,000 from these dinners.

One of our faculty who provided humanitarian missions abroad passed away at an early age and the foundation that he worked with (the Smile China Foundation) made a $240,000 endowment to support an annual lecture (the Dr. Joseph K.H. Wong Smile China Lecture) and funds to support humanitarian travel awards.

In 2012, we started to request faculty to consider leaving funds to the department in their wills. To date, we have bequests totalling more than $400,000.

One of our community academic faculty, Dr. Raymond Ng, donated $100,000 which was matched by the Dean and Provost (total $200,000) to establish two annual graduate awards; one for a Master’s level student and one for a PhD level graduate student in our department. Several other faculty and alumni have committed funds totalling in excess of $60,000 for education. Each year we ask our alumni and faculty to make a donation to our Alumni Fund which helps fund education in the postgraduate education program.

The annual Wilf Goodman Award in Facial Plastic and Reconstructive Surgery was established with a $50,000 endowment from the Canadian Academy of Facial Plastic and Reconstructive Surgery and our department. The Arnold M. Noyek O.C. Awards were established through a $50,000 donation in honour of Dr. Arnold M. Noyek to fund two students’ telehealth projects annually; one for a student in the Faculty of Medicine and the second for a student in the Dalla Lana School of Public Health.

Grateful patients have helped our department in many ways. These include Mr. Mark Daniels donating $70,000 to purchase new microscopes and drills for the Surgical Skills Centre. Mr. Paul and Mrs. Rose Allison donated $100,000 to support inner ear hair cell research in Dr. Alain Dabdoub’s lab at SHSC. The Koerner Fund provided an additional $2M for otologic research at SHSC. The Ralph Gilbert Award was established through a $50,000 award from Mr. Mark and Mrs. May Allison to support MD students in need of financial assistance in the FOM at the University of Toronto.

Many more faculty have received donations at their hospitals which are not included here. I would like to highlight...
that our faculty have been very successful in philanthropic support through the establishment of joint hospital/university chairs. Since 2012, three new chairs have been established in the department which are The Gullane/O’Neil Family Chair (UHN), the Nicole Muzzo Voice Chair (SMH) and The Jordan and Lisa Gnat Family and Bastable-Potts Chair in Otolaryngology-Head & Neck Surgery (HSC).

Humanitarian Efforts

A significant number of faculty participate and lead humanitarian missions around the world or provide service to Northern Ontario as detailed in this report. Residents are involved in these efforts. Through an endowed $240K donation from the Smile China Foundation, the annual Joseph K.H. Wong/Smile China Lecture was established in 2015 including funds to support humanitarian missions. This year we heard from seven of our own faculty/fellows who have been on humanitarian missions (Dr. Peter Adamson – Face the Future™ Missions; Dr. Yvonne Chan – Resource Exchange International, Ho Chi Minh City, Vietnam; Dr. George Kurien – AIC Kijabe, Kenya; Dr. Ambrose Lee – Zanzibar, Tanzania; Dr. Vincent Lin – Kijabe, Kenya; Dr. John Rutka – Underserviced Areas Program, Sioux Lookout, Ontario and Dr. Arnold Noyek – Canadian International Scientific Exchange Program).

Summary

Our department is the largest department of otolaryngology-hns in Canada. We have a diverse faculty spanning all subspecialties across multiple hospitals. Toronto is a large city with only one medical school and a sizable catchment area giving rise to a significant volume and case mix of patients with otolaryngologic disorders. This in turn allows our department to have a large number of hospital training sites and faculty with general and subspecialty interests and expertise.

Our faculty is the cornerstone of our department. They are collegial, professional and many have risen to important leadership positions locally, nationally and internationally. This translates into a vibrant landscape of clinical excellence and research inquiry. The environment is one of wanting to be on the cutting edge of otolaryngology-head & neck surgery. We feel a responsibility to teach the “next generation” so our legacy will go on. This affords a great number of education and research opportunities in the department and a great many cross collaborations with other departments locally, nationally and internationally.

I am indebted to our wonderful faculty, residents, fellows and administrative staff for making our department so strong.

Respectfully submitted,

Ian Witterick MD
Alumni and Friends Events

July 18, 2016 – Loulay Kitchen and Bar
Alumni Reception @ Annual Meeting of the AHNS in Seattle, Washington
September 20, 2016 – Hilton San Diego Bayfront Indigo Room
Alumni Reception @ Annual Meeting of the AAO-HNS in San Diego, California
February 3, 2017 – Hart House (Music Room)  
Annual Alumni & Friends Dinner  
Honouring the class of 1991

Dr. Ian Witterick with the Class of 1991
L to R: Drs. David Tees, David Goldfarb, Jonathan Irish, Peter White and Warren Giberson
June 12, 2017 – 6Twelve Lounge
Alumni Reception @ Annual Meeting of the CSO-HNS in Saskatoon, Saskatchewan
### Faculty Members

*Newest appointments denoted with an asterisk (*)

#### Professor and Chair

I.J. Witterick, MD, MSc, FRCSC

#### Professores Emeriti:

S.M. Abel, PhD  
P.W. Alimetti, MB, PhD, FRCSC, FRCS  
B.D. Birt, MB, FRCSC, FRCS  
T.D.R. Briant, MD, FRCSC  
W.S. Crystadle, MD, FRCSC  
J. Friedberg, MD, FRCSC  
W.M. Hawke, MD, FRCSC  
M.L. Hyde, PhD  
J.S. McGrail, MB, MSc, FRCSC  
J.M. Nedzelski, OOnt, MD, FRCSC

#### Professors:

P.A. Adamson, OOnt, MD, FRCSC, FACS  
D.H. Brown, MB, FRCSC  
P. Campisi, MD, MSc, FRCSC  
J.M. Chen, MD, FRCSC  
D. Chepeha, MD, MScPH, FACS, FRCSC  
D.A.F. Ellis, MD, FRCSC, FACS  
V. Forte, MD, FRCSC  
J.L. Freeman, MD, FRCSC, FACS  
R.W. Gilbert, MD, FRCSC  
K. Gordon, PhD, CCC-A, Reg, CASLPO  
P.J. Gullane, CM, OOnt, MB, FRCSC, FACS, Hon-FRACS, Hon-FRCS, Hon-FRCI  
J. Haight, BM, PhD, FRCSC  
R.V. Harrison, PhD, DSc  
J.C. Irish, MD, MSc, FRCSC, FACS  
A.M. Noyek, OC, MD, FRCSC, FACS  
B.C. Papsin, MD, MSc, FRCSC  
R. Railhan, PhD, FNAMS  
J.A. Rutka, MD, FRCSC

#### Associate Professors:

J. Anderson, MD, MSc, FRCSC  
J.S. Chapnik, MD, FRCSC  
A. Chiodo, MD, FRCSC  
K. Conrad, MD, FRCSC, FRCS  
A. Daboub, PhD  
M.J. Davidson, MD, MSc, FRCSC  
D. Enepeikides, MD, MPH, FRCSC  
R.S. Fenton, MB, FRCSC, FACS  
A.M. Gantous, MD, FRCSC  
D. Goldstein, MD, MSc, FRCSC  
K. Higgins, MD, MSc, FRCSC  
A. James, MB, FRCSC, FRCS  
V. Lin, MD, FRCSC  
A.J. Smitheringale, MB, MEd, FRCSC  
M.J. Davidson, MD, MSc, FRCSC  
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V. Lin, MD, FRCSC  
A.J. Smitheringale, MB, MEd, FRCSC

#### Professor and Chair

I.J. Witterick, MD, MSc, FRCSC

#### Professores Emeriti:

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K. Gordon, PhD, CCC-A, Reg, CASLPO  
P.J. Gullane, CM, OOnt, MB, FRCSC, FACS, Hon-FRACS, Hon-FRCS, Hon-FRCI  
J. Haight, BM, PhD, FRCSC  
R.V. Harrison, PhD, DSc  
J.C. Irish, MD, MSc, FRCSC, FACS  
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B.C. Papsin, MD, MSc, FRCSC  
R. Railhan, PhD, FNAMS  
J.A. Rutka, MD, FRCSC

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J. Anderson, MD, MSc, FRCSC  
J.S. Chapnik, MD, FRCSC  
A. Chiodo, MD, FRCSC  
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A. Daboub, PhD  
M.J. Davidson, MD, MSc, FRCSC  
D. Enepeikides, MD, MPH, FRCSC  
R.S. Fenton, MB, FRCSC, FACS  
A.M. Gantous, MD, FRCSC  
D. Goldstein, MD, MSc, FRCSC  
K. Higgins, MD, MSc, FRCSC  
A. James, MB, FRCSC, FRCS  
V. Lin, MD, FRCSC  
A.J. Smitheringale, MB, MEd, FRCSC

#### Assistant Professors:

S. Anand, MD, MSc, BArtsSc (Hon), FRCSC  
M.G. Brandt, BSc, MD, FRCSC  
Y. Chan, MD, MSc, FRCSC, FRCS  
K.Y. Chow, MB, FRCSC, FACS  
S. Cushing, MD, MSc, FRCSC  
J. de Almeida, MD, MSc, FRCSC  
A. Dimitrijievic*, PhD  
R. Fox, MD, FRCSC  
D. Goldfarb, MD, FRCSC  
E. Gooden, MD, FRCSC  
J. Halik, MD, FRCSC  
T. Holler, MD, MSc, FRCSC  
R.L. Josephson, MD, PhD, FRCSC  
J. Kolenda, MD, FRCSC  
T. Le*, MD, PhD, FRCSC  
J. Lee, MD, MSc, FRCSC  
E. A. Monteiro, BSc, MD, MSc, FRCSC  
R. Mounsey, MD, FRCSC, FACS  
R. H.W. Ng, BSc, MD, PhD, FRCSC  
V. Papaioannou, MCISc  
D. Pothier, MBChB, MSc, FRCSC (ORL-HNS)  
E.J. Propst, MD, MSc, FRCSC  
M. Shah, MD, MPhil, FRCSC  
D.B. Shipp, MA  
P. Singh*, MD, MSc, FRCSC  
O. Smith, MD, FRCSC  
A. Vescan, MD, MSc, FRCSC  
J. Werger, MD, FRCSC  
M. Zirkle, MD, MEd, FRCSC

#### Lecturers:

J. Adamonis, MCIsC  
H. Ainlay*, BSc, MSc  
A. Alexander, MD, BSc, FRCSC  
J. Asaria, MD, BSc, FRCSC
Cross-Appointed Faculty

Professor Emeriti

H. Kunov, PhD, Biomedical Engineering

Professors:

S. Blaser, MD, FRCSC, Medical Imaging
G. Bradley, DDS, MSc, Faculty of Dentistry
B.J. Cummings, MB, FRCP, Radiation Oncology
F. Gentili, MD, FRCSC, FACS, Surgery
S. Kamel-Reid, MA, PhD, Laboratory Medicine & Pathobiology
F-F. Liu, MD, FRCP, Radiation Oncology
B. O’Sullivan, MB, FRCP, Radiation Oncology
J. Ringash, MD, BSc, MSc, FRCP, Radiation Oncology
L.E. Rotstein, MD, FRCSC, Surgery
P.G. Walfish, MD, FRCP, Medicine
A.M-F. Wong, MD, PhD, FRCSC, FAAO, Ophthalmology & Vision Sciences
N. Zamel, MD, FRCP, Medicine

Associate Professors:

E. Kassel, DDS, MD, FRCP, Medical Imaging
J. Lazor, RPh, BScPhm, MScPhm, EdD, FRSHP, Dept of Family & Community Medicine
R. Martino, MSc, MA, PhD, Speech Language Pathology
B. Perez-Ordoñez, MD, FRCP, Laboratory Medicine & Pathobiology
S. Symons, BASc, MPH, MD, FRCP C, Medical Imaging
J. Waldron, MD, FRCP, Radiation Oncology
E. Yu, MD, FRCP, Medical Imaging
G. Zadeh, MD, PhD, FRCSC, Surgery

Assistant Professors:

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

Lecturers:

D. Parker, MSc, Speech Language Pathology
P. Ranalli, MD, FRCP, Medicine

Administrative Staff:

Michael Figueiredo, Postgraduate/Undergraduate Administrator
Audrea Martin, Business Officer
Sonia Valente, Chair’s Assistant/Department Executive Assistant
<table>
<thead>
<tr>
<th>Name</th>
<th>Year</th>
<th>Award/Recognition</th>
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<tbody>
<tr>
<td>BARTLETT, E</td>
<td>2016</td>
<td>Residency Program Teaching Honor Roll - Outstanding Teaching Award, Dept of Medical Imaging, Faculty of Medicine, University of Toronto. (Postgraduate MD, Core Program).</td>
</tr>
<tr>
<td></td>
<td>2016</td>
<td>Fellowship Program Teaching Honor Roll - Outstanding Teaching Award, Dept of Medical Imaging, Faculty of Medicine, University of Toronto. (Postgraduate MD, Clinical Fellow). Neuroradiology Fellowship Program.</td>
</tr>
<tr>
<td>BRADLEY, G</td>
<td>2017</td>
<td>Award of Distinction, Faculty of Dentistry, University of Toronto.</td>
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<tr>
<td>CAMPISI, P</td>
<td>2017</td>
<td>Gabriel F. Tucker Award, American Laryngological Association.</td>
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<td></td>
<td>2017</td>
<td>CAME Certificate of Merit. Canadian Association of Medical Education.</td>
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<tr>
<td></td>
<td>2017</td>
<td>Excellence in Postgraduate Medical Education Award. Faculty of Medicine, University of Toronto.</td>
</tr>
<tr>
<td>CHAN, Y</td>
<td>2017</td>
<td>2017 Award for Excellence in Community-Based Teaching (Community Hospital).</td>
</tr>
<tr>
<td></td>
<td>2017</td>
<td>Joseph K. H. Wong/Smile China Project Award in Global Health &amp; Outreach, University of Toronto, Faculty of Medicine.</td>
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<tr>
<td></td>
<td>2016</td>
<td>Committee Excellence Award Recipient, American Academy of Otolaryngology – Head &amp; Neck Surgery (Distinction).</td>
</tr>
<tr>
<td>CHEPEHA, D</td>
<td>2016</td>
<td>Honorary Membership, Israeli Society of Head and Neck Surgery and Oncology.</td>
</tr>
<tr>
<td>CUSHING, S</td>
<td>2016</td>
<td>Dean’s Alumni Rising Star Award, Faculty of Medicine, University of Toronto.</td>
</tr>
<tr>
<td>ELLIS, D</td>
<td>2017</td>
<td>Lifetime Achievement Award, Canadian Society of Otolaryngology-Head &amp; Neck Surgery.</td>
</tr>
<tr>
<td>ENEPEKIDES, D</td>
<td>2016</td>
<td>Leo N. Steven Excellence in Leadership Award, Sunnybrook Health Sciences Centre.</td>
</tr>
<tr>
<td>GANTOUS, A</td>
<td>2016</td>
<td>Nominated for Best Teacher Postgraduate Education, Department of Medical Education, St. Joseph’s Health Centre.</td>
</tr>
<tr>
<td>GILBERT, R</td>
<td>2017</td>
<td>Distinguished Alumnus Award. Department of Otolaryngology - Head &amp; Neck Surgery, Faculty of Medicine, University of Toronto.</td>
</tr>
<tr>
<td>Name</td>
<td>Year</td>
<td>Achievement</td>
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<tr>
<td></td>
<td>2016</td>
<td>Cochlear Americas Chair in Auditory Development.</td>
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<tr>
<td>Irish, J</td>
<td>2017</td>
<td>Presidential Citation. American Head and Neck Society (Distinction).</td>
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<tr>
<td></td>
<td></td>
<td>(Research Award, Specialty: Co-author/Collaborator). Association between prolonged seizures and</td>
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<td></td>
<td></td>
<td>malignant middle cerebral artery infarction in children with acute ischemic stroke.</td>
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<tr>
<td>Lin, V</td>
<td>2017</td>
<td>Active Fellow in American Laryngological, Rhinological and Otological Society. Triological</td>
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<tr>
<td></td>
<td></td>
<td>Society, San Diego, California. (Triological Thesis: Development of Cognitive Screening Test</td>
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<td>for the Severely Hearing Impaired: Hearing-Impaired MoCA).</td>
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<td></td>
<td>2017</td>
<td>Joseph K. H. Wong/Smile China Project Award in Global Health &amp; Outreach, Department of</td>
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<td></td>
<td></td>
<td>Otolaryngology-Head &amp; Neck Surgery, University of Toronto.</td>
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<tr>
<td>Liu, FF</td>
<td>2016</td>
<td>Ted Phillips Distinguished Speaker, University of California San Francisco.</td>
</tr>
<tr>
<td>Monteiro, E</td>
<td>2017</td>
<td>Faculty Teacher of the Year Award. Department of Otolaryngology-Head &amp; Neck Surgery. University</td>
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<tr>
<td></td>
<td></td>
<td>of Toronto.</td>
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<td></td>
<td>2017</td>
<td>Wightman-Berris Academy Individual Postgraduate Teaching Award. Faculty of Medicine. University</td>
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<tr>
<td></td>
<td></td>
<td>of Toronto.</td>
</tr>
<tr>
<td></td>
<td>2017</td>
<td>Resident Advocate Award. Department of Otolaryngology-Head &amp; Neck Surgery. University of Toronto</td>
</tr>
<tr>
<td>Papaioannou, V</td>
<td>2017</td>
<td>Volunteer Appreciation Certificate, Awards Committee, Speech-Language and Audiology Canada,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ottawa, Ontario (Distinction).</td>
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<td></td>
<td>2017</td>
<td>SickKids Certificate of Recognition for Clinical Education, Hospital for Sick Children, Toronto,</td>
</tr>
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<td></td>
<td></td>
<td>Ontario, (Distinction).</td>
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<tr>
<td>Vescan, A</td>
<td>2017</td>
<td>Alma Smitheringale Excellence in Undergraduate Teaching Award. Department of Otolaryngology-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Head &amp; Neck Surgery, University of Toronto.</td>
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<tr>
<td></td>
<td>2016</td>
<td>Department of Surgery, Division of Otolaryngology - HNS Teacher of the Year Award</td>
</tr>
</tbody>
</table>
Leadership Activities

ADAMSON, P

2014-present  Member, International Advisory Board. JAMA Facial Plastic Surgery.
1994-present  President and Founder, Face the Future™ Foundation.

Manuscript Reviewer

1997-present  The Laryngoscope, American Laryngological, Rhinological and Otological Society.

American Academy of Facial Plastic and Reconstructive Surgery

2016-present  Mentor for AAFPRS Practitioner’s Program.
2012-present  Senior Advisor, Editorial Board JAMA Facial Plastic Surgery.
2007-present  Member, Ethics Committee.
2002-present  Member, Howard W. Smith M.D. Legacy Society.
1987-present  Director, Fellowship Program.
1986-present  Facial Plastic Surgery Resident Liaison (Liaison of AAFPRS with University of Toronto).

American Board of Facial Plastic and Reconstructive Surgery

2016-present  Trustee, The ABFPRS Diplomate Society.
2007-present  Member, FPS Archives Advisory Council.
2006-present  Member, Audit Committee.
2006-present  Member, Bylaws and Publications Committee.
2003-present  Senior Advisor, Board of Directors.
1996-present  Trustee, Robert L. Simons Leadership Society.
1989-present  Board Examiner (2 day annual examinations).
1989-present  Contributor of oral examination protocols.

International Board for Certification in Facial Plastic and Reconstructive Surgery

2013-present  Presided over and examined at annual examinations of the European Board for Certification in Facial Plastic and Reconstructive Surgery (EBCFPRS) and IBCFPRS in London, England. 2 days each examination.
2012-present  President.

ANDERSON, J

St. Michael’s Hospital

2009-present  Chair, Multidisciplinary Cancer
2009-present  Member, Mobility Management Committee, Canada.
2005-present  Member, Medical Advisory Committee.
2003-present  Executive Member, Alternate Funding Plan Management Executive Committee.
1994-present  Member, Perioperative Services Advisory Group.
2009-present  Internal Grant Reviewer. St. Michael’s Hospital Innovation Alternate Funding Plan Grants.
Manuscript Reviewer

2017 Clinical Otolaryngology.
2017 The Laryngoscope.
2016 Health Services Insights (Journal).

ASARIA, J

2016-present Canadian Region Director Elect, Board of Directors, American Academy of Facial Plastic and Reconstructive Surgery.
2016-present Committee Member, Fellowship Review Committee, American Academy of Facial Plastic and Reconstructive Surgery.
2010-present Committee Member, Postgraduate Curriculum Committee, American Academy of Facial Plastic and Reconstructive Surgery.

BARTLETT, E

2013-present Member, PGME Advisory Committee. PGME Committee.
2013-present Member, Quotas and Allocations Subcommittee. PGME Committee.
2013-present Member, Resource Stewardship Subcommittee. PGME Committee.

Program Director, Diagnostic Radiology Residency Program, Medical Imaging

2013-present Chair, Residency Program Committee.
2013-present Chair, Evaluations/Promotions/Admissions Committee.
2013-present Member, Royal College Specialty Committee.

Department of Medical Imaging, University of Toronto

2013-present Member, Executive Committee. (Residency Program Director).
2013-present Member, Educational Committee.

BRADLEY, G

2016-present Editorial Board, Oral Diseases.

University of Toronto

2017 Tenure Committee.
2016-2018 Associate Dean, Undergraduate Education, Faculty of Dentistry.
2016-present Strategic Plan Implementation Committee, Faculty of Dentistry.
2015-2017 Committee to revise Faculty Guidelines on the Assessment of Teaching Effectiveness.
2014-present Appointment and Promotion Committee, Faculty of Dentistry.
2014-2017 Strategic Plan Implementation Committee.
2013-present Subcommittee for Online Course and Instructor Evaluation, Faculty of Dentistry.
2012-present Director, Oral Pathology & Oral Medicine graduate program, Faculty of Dentistry.
2012-present Director, Oral Pathology Diagnostic Laboratory, Faculty of Dentistry.
2012-present Selection Committee for admission into the graduate program in Periodontology (Graduate Department representative).
<table>
<thead>
<tr>
<th>Name</th>
<th>Positions and Committees</th>
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</thead>
<tbody>
<tr>
<td>BRANDT, MG</td>
<td>2017-present Ontario Regional Delegate, Ontario Medical Association.</td>
</tr>
<tr>
<td></td>
<td>2016-present Ontario Regional Representative, Canadian Academy of Facial Plastic &amp; Reconstructive Surgery.</td>
</tr>
<tr>
<td></td>
<td>2014-present Co-director; Resident Soft-Tissue Dissection Course, Division of Facial Plastic &amp; Reconstructive Surgery.</td>
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<td></td>
<td>Manuscript Reviewer</td>
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<tr>
<td></td>
<td>2012-present Anatomical Sciences Education.</td>
</tr>
<tr>
<td></td>
<td>2011-present International Forum of Allergy &amp; Rhinology.</td>
</tr>
<tr>
<td></td>
<td>2010-present American Journal of Rhinology &amp; Allergy.</td>
</tr>
<tr>
<td></td>
<td>2008-present The Laryngoscope.</td>
</tr>
<tr>
<td>BROWN, DH</td>
<td>Editorial Boards</td>
</tr>
<tr>
<td></td>
<td>2007-present The Laryngoscope.</td>
</tr>
<tr>
<td>CAMPISI, P</td>
<td>Canadian Society of Otolaryngology - Head and Neck Surgery</td>
</tr>
<tr>
<td></td>
<td>2015-present Chair, Bylaws.</td>
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<td></td>
<td>2013-present Member, Fellowship Committee</td>
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<tr>
<td></td>
<td>2012-present Chair, Pediatric Otolaryngology Study Group</td>
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<td></td>
<td>Royal College of Physicians and Surgeons of Canada</td>
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<tr>
<td></td>
<td>2012-present Member, Otolaryngology – Head and Neck Surgery Specialty Committee</td>
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<td></td>
<td>2012-present Member, Otolaryngology – Head and Neck Surgery Examination Committee</td>
</tr>
<tr>
<td></td>
<td>University of Toronto</td>
</tr>
<tr>
<td></td>
<td>2012-present Member, Foundations of Surgery Committee</td>
</tr>
<tr>
<td></td>
<td>2012-present Otolaryngology Representative, Postgraduate Medical Education Advisory Committee</td>
</tr>
<tr>
<td></td>
<td>Manuscript Reviewer</td>
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<tr>
<td></td>
<td>2010-present Journal of Pediatric Hematology and Oncology.</td>
</tr>
<tr>
<td></td>
<td>2009-present Pediatric Infectious Disease Journal.</td>
</tr>
<tr>
<td></td>
<td>2006-present JAMA Otolaryngology Head &amp; Neck Surgery.</td>
</tr>
<tr>
<td></td>
<td>2005-present The Laryngoscope.</td>
</tr>
<tr>
<td></td>
<td>2004-present Paediatrics and Child Health.</td>
</tr>
</tbody>
</table>
CHAN, Y

University of Toronto
2013-present CPD Taskforce Leader, Strategic Planning Committee, Faculty of Medicine, Continuing Education, University of Toronto.
2012-present Member, CPD Directors and Leader Committee, Faculty of Medicine, Continuing Education, University of Toronto.
2012-present Member, Continuing Professional Development Committee, Faculty of Medicine, Continuing Education, University of Toronto.
2011-present Coordinator, Mississauga Academy of Medicine, Faculty of Medicine, Dept of Otolaryngology - Head & Neck Surgery, Undergraduate MD.

Canadian Society of Otolaryngology- Head & Neck Surgery
2009-present Member, Rhinology Working Group.

American Academy of Otolaryngology Head and Neck Surgery
2015-present Member, Rhinology and Allergy Education Committee.
2015-present Member, Rhinology and Paranasal Sinus Committee.
2006 Member, Annual Meeting Welcome Committee.

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

Manuscript Reviewer
2014-present International Forum of Rhinology and Allergy.

CHANG, M
2015-2017 Member, Cancer Care Ontario, Thyroid Cancer Pathway Map Working Group.
2016-2017 Member, Centenary Site Medical Education Committee.
2014-present Chair, Rouge Valley Health System (RVHS), Thyroid Oncology Multidisciplinary Cancer Conference Rounds.
2013-present Member, Credentials Committee. Rouge Valley Health System.
2010-present Otolaryngology representative, Surgical Program Executive Committee.
2010-present Rouge Valley Health System: Lead for Thyroid Cancer. Cancer Care Ontario Program.
2010-present Peer Assessor, College of Physicians and Surgeons of Ontario.

CHEN, J
2012-present Provincial Coordinator, Ontario Cochlear Implant Program, Patient and Public Education.
Ministry of Health & Toronto Central LIHN.
2003-present Advisor/Medical Consultant, Canadian Acoustic Neuroma Society.
1993-present Member, Ontario Cochlear Implantation Program.

Sunnybrook Health Sciences Centre
2007-present Member, Medical Advisory Committee.
2007-present Member, Senior Medical Council.
2007-present  Member, OR Management Committee.
1994-present  Member, SHUTC Board of Directors.
1992-present  Member, Skull Base Tumor Board.

Manuscript Reviewer
2010-present  Otology-Neurotology.
2009-present  The Laryngoscope.

CHEPEHA, D
2017  Member, Head and Neck Reconstruction Committee, American Head and Neck Society.
2015-present  Member, Microvascular Committee, American Academy of Otolaryngology-Head and Neck Surgery.

NRG Oncology
2016-present  Member, NRG Oncology Head and Neck Cancer (HNC) General Committee.
2016-present  Member, NRG Head & Neck Surgical Subcommittee.

Canadian Society of Otolaryngology - Head & Neck Surgery
2016-present  Member, Canadian Association of Head and Neck Surgical Oncology.
2016-present  Member, Canadian Society of Otolaryngology Scientific Program Committee.

University Health Network
2016-present  Team AIR (Automate, Integrate & Revamp).
2016-present  PM Ambulatory Operations and Quality Committee.
2015-present  Interprofessional Model of Care Committee.
2015-present  Joe Finley Head and Neck Translational Program Committee.
2015-present  Tissue Committee, Faculty of Medicine, Head & Neck Translational Program.
2015-present  H&N Survivorship Research Committee.

Manuscript Reviewer
2007-present  Microsurgery.
2004-present  Annals of Surgical Oncology.
2001-present  JAMA Otolaryngology-Head and Neck Surgery.
2001-present  Head and Neck Journal.
2001-present  The Laryngoscope.
2001-present  Otolaryngology-Head and Neck Surgery.

CHIODO, A
2012-present  Reviewer/Interviewer, Admissions, Faculty of Medicine, University of Toronto.

Michael Garron Hospital/TEHN
2015-present  Member, Credentials Committee.
2012-present  Member, Education Committee and Education Lead, Department of Otolaryngology-Head & Neck Surgery.
2014-present  Member, Medical Advisory Committees.
2014-present  Member, Surgical Council.
2014-present  Member, Quality Based Program on Adenotonsillectomy Committee.
2013-present  Chair, TEGH Thyroid Program Committee.
1998-present  Member, Medical Staff Association.
CUSHING, S

2016-present Member, Associate or Section Editing. Frontiers in Otorhinolaryngology - Head and Neck Surgery.
2010-present Member, Editorial Board. Otology Neurotology.

Manuscript Reviewer

2016-present Neural Plasticity.
2015-present Audiology and Neurotology.
2015-present Otolaryngology - Head and Neck Surgery.
2015-present Croatian Review of Rehabilitation Research.
2015-present European Archives of Oto-Rhino-Laryngology.
2013-present The Laryngoscope.
2013-present Cochlear Implants International.
2013-present Ear and Hearing.
2012-present PLOS ONE.

DABDOUB, A

2016-2017 Member. Faculty Mentorship Organizing Committee, Department of Laboratory Medicine and Pathobiology, University of Toronto.
2011-present Hearing Restoration Project Consortium Member, Hearing Health Foundation.
2017 Faculty, Biology of the Inner Ear Course, Marine Biological Labs, Woods Hole, Massachusetts, USA.

Manuscript Reviewer

Present Aging Cell.
Present BBA – Molecular Cell Research.
Present BMC Developmental Biology.
Present Development.
Present Developmental Dynamics.
Present Frontiers in Cellular Neuroscience.
Present Gene Expression Patterns.
Present Genesis.
Present Growth Factors.
Present Hearing Research.
Present International Journal of Cancer.
Present International Journal of Developmental Neuroscience.
Present Journal for Oto-Rhino-Laryngology.
Present Journal of Comparative Neurology.
Present Journal of Experimental Biology.
Present Journal of Neurochemistry.
Present Journal of Neuroscience.
Present Neuroscience.
Present Neuroscience Letters.
Present PLoS Genetics.
Present Proteomics.
Present Seminars in Cell and Developmental Biology.
Present Scientific Reports.
<table>
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<tr>
<th>DE ALMEIDA, J</th>
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<tr>
<td>2017-present</td>
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</table>

American Head & Neck Society

| 2015-present | Continuing Medical Education Compliance Committee. |
| 2015-present | Research Committee. |

Manuscript Reviewer

| 2016-present | International Journal of Cancer. |
| 2016-present | Journal of Neurological Surgery Part B - Skull Base. |
| 2014-present | Cancer. |
| 2012-present | Head & Neck. |
| 2009-present | The Laryngoscope. |

<table>
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<th>ENEPEKIDES, D</th>
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<tbody>
<tr>
<td>2016</td>
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</table>

American Head and Neck Society

| 2012-present | Advanced Training Council - subcommittee on Robotic Surgery. |
| 2011-present | Member, Advanced Training Council Committee. |

Cancer Care Ontario

| 2016-present | Skin Cancer Disease Site Group Member. |
| 2013-present | Regional Surgical Oncology Lead, Toronto Central North. |
| 2012-present | Head and Neck Disease Site Group Member. |

Sunnybrook Health Sciences Centre

| 2012-present | Member, Operating Room Management Committee. |

Manuscript Reviewer

| 2002-present | Head & Neck. |
| 2002-present | Otolaryngology-Head and Neck Surgery. |
| 2002-present | JAMA Otolaryngology Head and Neck Surgery. |
| 2002-present | The Laryngoscope. |

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<td>GANTOUS, A</td>
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<td>GILBERT, R</td>
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<td>Cancer Care Ontario</td>
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<td>National Cancer Institute of Canada (NCIC)</td>
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<td>Princess Margaret Cancer Centre</td>
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<td>University Health Network</td>
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<td>GOLDSTEIN, D</td>
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<td>American Academy of Otolaryngology- Head and Neck Surgery</td>
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<td>American Head &amp; Neck Society</td>
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</table>
American Cancer Society

Melanoma Network of Canada
2011-present  Member. Board of Directors.

Princess Margaret Cancer Centre
2016-present  Thyroid Cancer Disease Site Lead- Endocrine Disease Site.
2016-present  Head & Neck Surgery Representative, Melanoma Disease Site Group.
2009-present  Member, Head & Neck Cancer Tissue Committee.
1998-present  Member, Cancer Registry and Staging Committee.

Manuscript Reviewer
2015-present  Clinical Otolaryngology.
2014-present  Cancer.
2012-present  Journal of Clinical Oncology.
2012-present  Journal of Skin Cancer.
2012-present  Journal of Surgical Oncology.
2009-present  European Journal of Cancer.
2008-present  JAMA Otolaryngology-Head & Neck Surgery.
2007-present  Head & Neck.
2006-present  Otolaryngology-Head and Neck Surgery.

GORDON, K
2017-present  Member, Discipline Committee of Council, College of Speech Language Pathologists and Audiologists of Ontario.
2017  Member, Program Committee, Society for Ear, Nose and Throat Advances in Children.
2014-2017  Member, Decanal Promotions Committee, Faculty of Medicine, University of Toronto.
2014-present  Member, Appointment Committee, Institute of Medical Sciences, University of Toronto.

GULLANE, P
2007-present  Associate Editor. Head & Neck.

Editorial Boards
2000-present  Member. The Laryngoscope.
1991-present  Member. Les Annales d’Otolaryngologie et de Chirurgie Cervico-Faciale (France).
### Manuscript Reviewer

<table>
<thead>
<tr>
<th>Year</th>
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<tr>
<td>1991-present</td>
<td>Skull Base.</td>
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<td>1991-present</td>
<td>Les Annales d’Otolaryngologie et de Chirurgie Cervico-acciale (France).</td>
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</table>

### HARRISON, RV

- **2016-2017**: Member. CIHR Grants committee, fellowship competition.

### HASSOUNE, B

#### Manuscript Reviewer

<table>
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<th>Year</th>
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<tr>
<td>2015-present</td>
<td>JAMA Facial Plastic Surgery.</td>
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### HIGGINS, K

- **2016-2017**: Member. Oropharyngeal Cancer Pathway Map Working Group, Cancer Care Ontario.
- **2016**: Member. CPOE Advisory Committee. Sunnybrook Health Sciences Centre.
- **2016**: Approved Type 1 Investigator In Otolaryngology. Canadian Cancer Trials Group, Queen’s University, Cancer Research Institute.
- **2015-2018**: Member. AHNS Head & Neck Reconstruction Committee.
- **2010-present**: Program in Evidenced-Based Care. Cancer Care Ontario Program in Evidence-Based Care.

#### Manuscript Reviewer

<table>
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<th>Year</th>
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<tbody>
<tr>
<td>2012-present</td>
<td>Craniomaxillofacial Trauma and Reconstruction.</td>
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<td>2012-present</td>
<td>Thyroid.</td>
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<tr>
<td>2011-present</td>
<td>Clinical Otolaryngology.</td>
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<tr>
<td>2010-present</td>
<td>Otolaryngology-Head and Neck Surgery.</td>
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<td>2010-present</td>
<td>Head &amp; Neck.</td>
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<td>2006-present</td>
<td>The Laryngoscope.</td>
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### HOLLE, T

<table>
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<th>Year</th>
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<tr>
<td>2013-present</td>
<td>MSc Health Sciences Education Curriculum Committee. McMaster University.</td>
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### IRISH, J

- **2012-2016**: Conference Chair. 9th International Conference on Head and Neck Cancer. Seattle, Washington.
- **2010-present**: Associate Editor. Head & Neck.
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<th>Year</th>
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<td>2010-present</td>
<td>Member. Editorial Board. Head &amp; Neck.</td>
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### Cancer Care Ontario

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<th>Year</th>
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<tbody>
<tr>
<td>2012-present</td>
<td>Clinical Sponsor. Sarcoma Services Steering Committee.</td>
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<tr>
<td>2009-present</td>
<td>Chair. Models of Care Task Force-AFP-SRF Task Force.</td>
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<tr>
<td>2009-present</td>
<td>Member. Diagnostic Assessment Program Leadership Team.</td>
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<td>2008-present</td>
<td>Member. Clinical Council.</td>
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<td>2008-present</td>
<td>Member. Clinical Programs Operation Committee.</td>
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<tr>
<td>2008-present</td>
<td>Provincial Head. Surgical Oncology Program, Ontario.</td>
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<td>2008-present</td>
<td>Chair. Cancer Surgery Coordinating Committee.</td>
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<td>2004-present</td>
<td>Lead. Access to Care and Strategic Funding Initiatives, Surgical Oncology Program.</td>
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### Ministry of Health and Long Term Care

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<tr>
<td>2009-present</td>
<td>Chair. Surgery and Diagnostic Imaging Council, Access to Care.</td>
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### American Head & Neck Society

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<tr>
<td>2017-2018</td>
<td>President.</td>
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<td>2016-2017</td>
<td>President-Elect.</td>
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<td>2015-2016</td>
<td>Vice President.</td>
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<td>2011-present</td>
<td>Member. Council.</td>
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### Manuscript Reviewer

<table>
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<tr>
<th>Year</th>
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<tbody>
<tr>
<td>2008-present</td>
<td>Cancer.</td>
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<tr>
<td>2003-present</td>
<td>The Laryngoscope.</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>Journal of Surgical Oncology.</td>
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<tr>
<td>1999-present</td>
<td>JAMA Otolaryngology-Head &amp; Neck Surgery.</td>
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### JAMES, A

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<tr>
<td>2013-present</td>
<td>National In Training Examination Committee, Faculty of Medicine, Department of Otolaryngology - Head &amp; Neck Surgery, Postgraduate MD, University of Toronto.</td>
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### Hospital for Sick Children

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<tr>
<td>2014-present</td>
<td>Member. Medical Staff Association Committee, Toronto.</td>
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<td>2013-present</td>
<td>Department of ORL-HNS Resource portfolio.</td>
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### Editorial Boards

<table>
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<tr>
<th>Year</th>
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<tbody>
<tr>
<td>2016-present</td>
<td>Member. Journal of International Advanced Otology.</td>
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<tr>
<td>2016-present</td>
<td>Member. Otology &amp; Neurotology.</td>
<td></td>
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<td>2011-present</td>
<td>Member. Cochlear Implants International.</td>
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<tr>
<td>2008-present</td>
<td>Member. The Cochrane Library (Ear, Nose &amp; Throat Disorders Group).</td>
<td></td>
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</tbody>
</table>
**Manuscript Reviewer**

- **2015-present**: Acta Otolaryngologica.
- **2014-present**: The Laryngoscope.
- **2011-present**: Cochlear Implants International.
- **2011-present**: Otolaryngology-Head and Neck Surgery.
- **2011-present**: Otology & Neurotology.
- **2009-present**: Clinical Otolaryngology.
- **2008-present**: International Journal of Pediatric Otorhinolaryngology.

**LAUGHLIN, S**

- **2016-present**: Medical Staff Association - Secretary Treasurer, Toronto, Ontario.
- **2016-present**: Medical Advisory Committee - MSA Secretary Treasurer, Toronto, Ontario.
- **2016-present**: Quality Management Council - MSA Secretary Treasurer, Toronto, Ontario.
- **2011-present**: Royal College of Physicians and Surgeons of Canada Neuroradiology Examination Board Member, Ottawa, Ontario.
- **2011-present**: Royal College of Physicians and Surgeons of Canada Pediatric Radiology Examination Board Member, Ottawa, Ontario.
- **2007-present**: Royal College of Physicians and Surgeons of Canada Diagnostic Radiology Examination Board Member, Ottawa, Ontario.
- **2017-present**: Examiner. Royal College of Physicians and Surgeons of Canada.

**LEE, T**

- **2017-present**: Committee member for Selection Committee. Hurvitz Brain Sciences Summer Student Research Program. Sunnybrook Research Institute.

**LEE, A**

- **2016**: Integrate Objective Structural Clinical Examiner. University of Toronto.

**LEE, J**

- **2017-present**: Scientific Awards Committee, American Rhinologic Society.
- **2014-present**: Faculty Member. F1000 Prime: Section on Rhinology and Paranasal Sinus Disease.
- **2014-present**: Member of Advisory Board. F1000 Research.
- **2011-present**: Member of Editorial Board. American Journal of Rhinology & Allergy.
- **2010-present**: Rhinology Working Group, Canadian Society of Otolaryngology-Head & Neck Surgery.
- **2010-2016**: Information Technology Committee, American Rhinologic Society.

**Manuscript Reviewer**

- **2011-present**: The Laryngoscope.
- **2010-present**: International Forum of Allergy and Rhinology.
- **2009-present**: American Journal of Rhinology and Allergy.

**LIN, V**

- **2017-present**: Clinical and Research Advisor. Audiology, ENT and Speech Working Group, Ontario Health Study. Faculty of Medicine, Dept of Otolaryngology - Head & Neck Surgery, Patient and Public Education.

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

- **2015-present**: National Lead, Choosing Wisely Canada.
2015-present Ontario Representative, Executive Committee.
2011-present Member, CSO-HNS Poliquin Resident Research Competition.
2009-present Otology Working Group.
2016-present Vestibular Working Group.

External Grant Reviewer

2010-present Medical Research Council.
2008-present Canadian Institute of Health Sciences (CIHR).

Manuscript Reviewer

2016-present Frontiers in Neuroscience.
2014-present Journal of Medical and Biomedical Engineering.
2012-present Otolaryngology-Head and Neck Surgery.
2011-present Otolaryngology, F1000. United Kingdom.
2009-present The American Journal of Case Reports.

LIU, FF

2017-2020 Member, University of Toronto, Governing Council and Academic Board, Faculty of Medicine.
2017 Grant Reviewer, Canadian Institutes of Health Research, Fellowship Award Review.
2016-2017 Member, American Head and Neck Society, 9th International Conference on Head & Neck Cancer.
2015-2017 Vice Chair, University Health Network, Medical Advisory Board.
2015-2016 Grant Reviewer, Canadian Cancer Society Research Institute, Innovation Grants Review Panel.
2015-2016 Grant Reviewer, Canadian Cancer Society Research Institute, Innovation to Impact Grants Review Panel.
2015-present Co-Chair, University Health Network, Delegated Order Sets, Medical Acts Committee.
2014-present Grant Reviewer, Research Grants Council of Hong Kong.
2012-present Grant Reviewer, Israel Cancer Research Fund Review Panel.
2012-present Member, University of Pennsylvania, Advisory Board; Research Training Program.
2012-present Member, Chinese University of Hong Kong - NPC, Advisory Board.

MONTEIRO, E

2017 VTE and OR accreditation committee representative, Sinai Health System Accreditation Committee – Sinai Health System.
2017-present Core Member, Centre for Quality Improvement and Patient Safety, University Of Toronto.
2016-present Committee member, UHN Young Leaders Advisory Committee.
2015-present Advisor regarding implementation of Quality and Patient Safety into the course. Undergraduate medical education – Health Science Research Course. University of Toronto.
2015-2017 Committee member, Cancer Care Ontario. Thyroidectomy Quality Based Procedure (QBP) working group.

PAPAIOANNOU, V

2010-present  Member. Awards Committee, Speech-Language and Audiology Canada, Ottawa, Ontario.
2003-present  Member. Advisory Committee, Communicative Disorders Assistant Program, Georgian College, Barrie, Ontario.
2001-present  Member. Audiology Working Group, City of Toronto Infant Hearing Program, Toronto, Ontario.
2017-present  Member. Conference Program Committee, Society for Ear Nose and Throat Advances in Children, Toronto, Ontario.
2016-present  Board Member. Society for Ear Nose and Throat Advances in Children.
2012-present  Director of Audiology. Department of Otolaryngology – Head & Neck Surgery, University of Toronto.

**College of Audiologists and Speech Language Pathologists of Ontario**

2016-present  Vice-President (Audiology).
2016-present  Member. Executive Committee.
2016-present  Chair. Audiology Practice Advisory Committee.
2016-present  Member. Finance Committee.
2014-present  Member. Inquiries, Complaints and Reports Committee.

**PAPSSIN, B**

2011-present  Board of Examiners. Undergraduate Medical Program, Chairman, University of Toronto.
2010-present  Member. How I do it (HIDI) Committee. The Triologic Society.
2004-present  Member, Section on Otolaryngology-Head and Neck Surgery. The American Academy of Pediatrics.
2000-present  Credentials Committee. Hospital for Sick Children, Toronto.

**Manuscript Reviewer**

2010-present  The Journal of International Advanced Otology (IAO).
2010-present  Reviewer, Journal of International Advanced Otology.
2006-present  Reviewer, JAMA Otolaryngology - Head and Neck Surgery.
2004-present  Reviewer, BMC Ear, Nose and Throat Disorders.
2003-present  The Laryngoscope.
2000-present  University of Toronto Medical Journal.

**American Society of Pediatric Otolaryngology**

2016-present  Development Committee. Chair.
2017  President-Elect.

**POTHIER, D**

2019  Co-Chair. World Congress on Endoscopic Ear Surgery, Boston.
2017-2018  Member. Equilibrium Committee, AAO-HNS.
2011-present  Member, Faculty of 1000 Research, editorial Advisory Group.
2010-present  Member, Committee for Global Health, Canadian Society of Otolaryngology - Head & neck Surgery.
2009-present  Council Member, Otorhinolaryngological Research Society (UK).
2009-present  Associate editor – Communications, Clinical Otolaryngology.
2008-present  Continuing Medical Education - section editor, Clinical Otolaryngology.
2008-present  Associate editor, Clinical Otolaryngology (editor in Chief: T Jones).
2008-present Columnist, Tech Reviews, ENT news.
2006-present Columnist, Internet Reviews, enT news.
2017-present Committee Member, Disequilibrium Committee, AAOHNS.

**Editorial Boards**

<table>
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<th>Year</th>
<th>Role</th>
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<tbody>
<tr>
<td>2013-present</td>
<td>Member, Advancements in Cellular and Molecular Otolaryngology.</td>
</tr>
<tr>
<td>2013-present</td>
<td>Member, Journal of Surgery.</td>
</tr>
<tr>
<td>2012-present</td>
<td>Member, Conference Papers in Medicine.</td>
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<tr>
<td>2008-present</td>
<td>Member, ENT news.</td>
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<td>2007-present</td>
<td>Member, Wiley, Clinical Otolaryngology.</td>
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</tbody>
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**Manuscript Reviewer**

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<tr>
<td>2013-present</td>
<td>Brain.</td>
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<td>2013-present</td>
<td>European Archives of Oto-Rhino-laryngology and Head &amp; Neck.</td>
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<tr>
<td>2013-present</td>
<td>Medical Science Monitor.</td>
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<td>2010-present</td>
<td>African Health Sciences.</td>
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<td>2009-present</td>
<td>Canadian Medical Association Journal.</td>
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<td>2005-present</td>
<td>Biomed Central — Health Informatics.</td>
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<td>2007-present</td>
<td>The Laryngoscope.</td>
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**PROPST, E**

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<th>Year</th>
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<tbody>
<tr>
<td>2017-present</td>
<td>Member. International Surgical Sleep Society Surgical Trials Workshop Group, United States.</td>
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<tr>
<td>2016-present</td>
<td>Member. Airway Reconstruction Outcomes Consensus Group, United States.</td>
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<tr>
<td>2016-present</td>
<td>Member. Program Committee, Society for Ear Nose and Throat Advances in Children (SENTAC). United States.</td>
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<tr>
<td>2016-present</td>
<td>Member. Guideline Development, Medical Screening and Monitoring, Vector Medical/Air Canada Jazz.</td>
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<td>2016</td>
<td>Coordinator. 3rd International Paediatric Open Airway Surgery Course, Toronto.</td>
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<tr>
<td>2016</td>
<td>Coordinator. 7th International Paediatric Endoscopic Course, Toronto.</td>
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**American Society of Pediatric Otolaryngology**

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<tr>
<td>2017-present</td>
<td>Member. Fellowship Committee.</td>
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<td>2016-present</td>
<td>Member. Information Technology Committee.</td>
</tr>
<tr>
<td>2015-2017</td>
<td>Member. Fellowship Evaluation Subcommittee (of Fellowship Committee).</td>
</tr>
</tbody>
</table>

**Hospital for Sick Children**

<table>
<thead>
<tr>
<th>Year</th>
<th>Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017-present</td>
<td>Member. Hospital Wide Morbidity and Mortality Committee.</td>
</tr>
<tr>
<td>2016-present</td>
<td>Supervisor. Safe tracheotomy care parent information booklet.</td>
</tr>
<tr>
<td>2015-present</td>
<td>Medical Advisor. Critical Airway Response Team.</td>
</tr>
<tr>
<td>2013-present</td>
<td>Member. Multidisciplinary Tracheoesophageal Fistula (TEF) Clinic.</td>
</tr>
<tr>
<td>2013-present</td>
<td>Medical Advisor. Parent Education Group, Hospital Improvement Taskforce. Ambulatory Design Committee.</td>
</tr>
<tr>
<td>2013-present</td>
<td>Reviewer. Summer Studentship Grants.</td>
</tr>
</tbody>
</table>
2013-present  Director. Residency Education Site Director.
2013-present  Director. Undergraduate Education Site Director.
2012-present  Director. Paediatric Otolaryngology Fellowship.
2012-present  Director. Flexible Endoscopic Evaluation of Swallowing (FEES) Clinic.
2011-present  Co-Director. Disorders Relating to the Airway and Mouth in Sleep (DREAMS) Clinic.
2010-present  Member. Stem Cell Working Group.

**Grant Reviewer**

2013-present  Hospital for Sick Children. Perioperative Services Innovation Grant.
2013-present  Hospital for Sick Children. Summer student research awards.

**Manuscript Reviewer**

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

**RINGASH, J**

2017-2019  Member. Portable Swallowing Therapy Unit: Using Innovative Technology to Provide Accessible Care for Head and Neck Cancer Patients with Chronic Swallowing Difficulties (PI: Dr. Jana Rieger). Alberta Canada Foundation Advisory Committee.
2015-present  Editor. International Journal of Radiation Oncology, Biology and Physics, Head and Neck Section.
2013-2016  End 3 Development Committee - Quality of Life. Canadian Cancer Society Research Institute (CCSRI).

**National Cancer Institute**

2009-present  Chair. Head and Neck PULA Sub-committee on QOL/Outcomes.

**National Cancer Institute of Canada/Clinical Trials Group**

2015-2018  Strategic Executive Advisory Council (SEAC).
2006-present  Co-Chair. QOL Committee.
2005-present  Member. Quality of Life Committee.
2005-present  Member. Gastrointestinal Site Group Executive Committee.

**Cancer Care Ontario**

2017-present  Gastrointestinal Cancer Advisory Committee.
2014-present  Co-Chair. Radiation Oncology, Gastrointestinal Disease Site Group, Programme in Evidence-Based Care.
2014-2016  Survivorship Advisory Committee.
2011-present  Co-Investigator. ON-PROS: Provincial Initiative to Incorporate Patient Reported Outcomes in Routine Clinical Care.
Princess Margaret Hospital
2012-present Head and Neck Cancer Translational Research Executive Committee.
2011-present Medical Lead, Head and Neck Cancer Survivorship Programme.

University Health Network
2011-present Member. Biobank Disease Management Committee, Gastroesophageal Cancer.

University of Toronto
2006-present Member. Clinical Epidemiology Institute (CME event) Committee, Faculty of Medicine, Institute of Health Policy. Management & Evaluation. Continuing Education.
2003-present Member. Clinical Epidemiology Program Executive Committee, Faculty of Medicine, Institute of Health Policy, Management & Evaluation. Graduate Education.
2002-present Member. Clinical Epidemiology Graduate Program Admissions Committee, Faculty of Medicine, Institute of Health Policy. Management & Evaluation, Graduate Education.

Manuscript Reviewer
1999-present American Journal of Cancer.
1999-present Cancer.
1999-present Clinical Oncology.
1999-present European Journal of Cancer.
1999-present Evidence Based Medicine.
1999-present Head & Neck.
1999-present Medical Care.
1999-present Medical Decision Making.
1999-present Quality of Life Research.
1999-present Radiotherapy and Oncology.
1999-present Values in Health.

RUTKA, J
2003-present Chief Otoneurologist Consultant to the Workplace Safety and Appeals Tribunal.
1992-present Editorial Board Member Canadian Journal of Diagnosis.

SHIPP, D
2015-2016 Member. Scientific Organizing Committee, 14th International Conference on Cochlear Implants and Other Implantable Technologies, Toronto.

SOLOMON, P
2016-present Division Chief. Otolaryngology-Head & Neck Surgery, Department of Surgery. Mackenzie Health Hospital.
2014-present Ontario Medical Association (OMA) Section - Vice-Chair. Otolaryngology-Head & Neck Surgery Section.
1999-present Member. Community Academic Faculty, Department of Otolaryngology-Head & Neck Surgery, Faculty of Medicine, University of Toronto.
### Vescan, A

<table>
<thead>
<tr>
<th>Year</th>
<th>Position</th>
<th>Committee/Association</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013-present</td>
<td>Member. Membership Credentialing Committee, North American Skull Base Society.</td>
<td></td>
</tr>
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</table>

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

<table>
<thead>
<tr>
<th>Year</th>
<th>Position</th>
<th>Committee/Association</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-present</td>
<td>Member. Rhinology Working Group.</td>
<td></td>
</tr>
<tr>
<td>2011-present</td>
<td>Member. UME Committee.</td>
<td></td>
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</tbody>
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#### Manuscript Reviewer

<table>
<thead>
<tr>
<th>Year</th>
<th>Position</th>
<th>Journal/Committee</th>
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</thead>
<tbody>
<tr>
<td>2012-present</td>
<td>Head &amp; Neck.</td>
<td>Head &amp; Neck</td>
</tr>
<tr>
<td>2009-present</td>
<td>Allergy and Rhinology.</td>
<td>Allergy and Rhinology</td>
</tr>
<tr>
<td>2008-present</td>
<td>The Laryngoscope.</td>
<td>The Laryngoscope</td>
</tr>
<tr>
<td>2007-present</td>
<td>Skull Base.</td>
<td>Skull Base</td>
</tr>
</tbody>
</table>

### Witterick, I

#### Editorial Boards

<table>
<thead>
<tr>
<th>Year</th>
<th>Position</th>
<th>Committee/Association</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010-present</td>
<td>Associate Editor. American Journal of Rhinology &amp; Allergy</td>
<td>American Journal of Rhinology &amp; Allergy</td>
</tr>
<tr>
<td>2015-present</td>
<td>Member. International Forum of Allergy &amp; Rhinology</td>
<td>International Forum of Allergy &amp; Rhinology</td>
</tr>
<tr>
<td>2010-present</td>
<td>Member. Skull Base.</td>
<td>Skull Base</td>
</tr>
<tr>
<td>2009-present</td>
<td>Member. Ear, Nose, and Throat Journal</td>
<td>Ear, Nose, and Throat Journal</td>
</tr>
</tbody>
</table>

#### North American Skull Base Society

<table>
<thead>
<tr>
<th>Year</th>
<th>Position</th>
<th>Committee/Association</th>
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</thead>
<tbody>
<tr>
<td>2017-present</td>
<td>President.</td>
<td>President.</td>
</tr>
<tr>
<td>2013-present</td>
<td>Member. Surgical Education Committee.</td>
<td>Surgical Education Committee</td>
</tr>
<tr>
<td>2013-present</td>
<td>Member. Executive Committee.</td>
<td>Executive Committee</td>
</tr>
<tr>
<td>2011-present</td>
<td>Member. Board of Directors.</td>
<td>Board of Directors</td>
</tr>
</tbody>
</table>

#### World Congress on Thyroid Cancer

<table>
<thead>
<tr>
<th>Year</th>
<th>Position</th>
<th>Committee/Association</th>
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</thead>
<tbody>
<tr>
<td>2014-2017</td>
<td>Member. Steering Committee, Third World Congress on Thyroid Cancer, July 27-30, 2017, Toronto.</td>
<td>Steering Committee</td>
</tr>
</tbody>
</table>

#### Canadian Society of Otolaryngology-Head & Neck Surgery.

<table>
<thead>
<tr>
<th>Year</th>
<th>Position</th>
<th>Committee/Association</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017-present</td>
<td>2nd Vice-President.</td>
<td>2nd Vice-President</td>
</tr>
<tr>
<td>2016-2017</td>
<td>2nd Vice-President Elect.</td>
<td>2nd Vice-President Elect</td>
</tr>
<tr>
<td>2015-present</td>
<td>Chair. Canadian Otolaryngology Academic Chairs (COACH) Committee.</td>
<td>Chair.</td>
</tr>
<tr>
<td>2012-present</td>
<td>Member. Canadian Otolaryngology Academic Chairs (COACH) Committee.</td>
<td>Committee.</td>
</tr>
<tr>
<td>2002-present</td>
<td>Member. Head &amp; Neck Oncology Group.</td>
<td>Member.</td>
</tr>
<tr>
<td>2002-present</td>
<td>Member. Rhinology Group.</td>
<td>Rhinology Group</td>
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</tbody>
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#### Royal College of Physicians and Surgeons of Canada

<table>
<thead>
<tr>
<th>Year</th>
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<th>Committee/Association</th>
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<tbody>
<tr>
<td>2016-present</td>
<td>Member. International (residency) Program Review Accreditation Committee.</td>
<td>Program Review Accreditation Committee.</td>
</tr>
<tr>
<td>2016-present</td>
<td>Member. Resources Standards Development Working Group.</td>
<td>Resources Standards Development Working Group</td>
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</table>

#### Faculty of Medicine, University of Toronto

<table>
<thead>
<tr>
<th>Year</th>
<th>Position</th>
<th>Committee/Association</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016-present</td>
<td>Deputy Speaker. Faculty Council.</td>
<td>Faculty Council.</td>
</tr>
<tr>
<td>2016-present</td>
<td>University Clinical Department Chair representative, Academic Health Sciences Network Medical Affairs Committee (TAHSNmc).</td>
<td>University Clinical Department Chair representative, Academic Health Sciences Network Medical Affairs Committee (TAHSNmc).</td>
</tr>
</tbody>
</table>
2016-present Executive. Clinical Relations Committee.
2012-present Member. Clinical Relations Committee.
2012-present Member. Executive Committee, Institute of Medical Science.
2012-present Member. Clinical Chairs Committee.
2012-present Member. All Chairs Committee.
2011-present Member. Faculty Council Executive Committee.
2008-present Member. Steering Committee, Surgical Skills Centre.

### Mount Sinai Hospital

2017 Member. Search Committee, Ophthalmologist-in-Chief.
2012-present Member. Medical Advisory Council.
2012-present Member. Otolaryngologist-in-Chief.

### Manuscript Reviewer

2011-present International Forum of Allergy & Rhinology.
2010-present American Journal of Rhinology & Allergy.
2010-present Skull Base.
2008-present Head & Neck.
2003-present The Laryngoscope.

### ZAMEL, N

2000-present Director of Pulmonary Function. Sinai Health System, Toronto.

### ZIRKLE, M

2017-present Member. Admissions-non academic elements.
2016-present Member. Executive Council, Centre for Faculty Development.
2015-2016 Member. Taskforce on Compensation for Undergraduate Teaching, Department of
2014-present Member. Integrated Physician Scientist Training Program working group.
2011-present Chair. FitzGerald Awards Committee.
2011-present Chair, FitzGerald Site Co-ordinators Committee.
2010-present Director. FitzGerald Academy, Undergraduate Medical Education, St Michael’s Hospital.
2010-present Member. Undergraduate Medical Education, Executive Committee.
2010-present Chair, Undergraduate Medical Education, Academy Director Committee.
2010-present Member. Undergraduate Medical Education, Clerkship Committee.
2010-2016 Member. Undergraduate Medical Education, Curriculum Committee.
2010-2016 Member. Undergraduate Medical Education, PreClerkship Committee. Surgery.

### St. Michael's Hospital

2015-present Member. Collaborative Learning Working Group.
2015-present Member. Faculty Development Day Planning Group.
2010-present Co-Chair. Student Experience Committee.
2010-present Committee Member. Education Council.
2010-present Committee Member. Interprofessional Education.

### Manuscript Reviewer

2011-present Medical Education.
2007-present The Laryngoscope.
2006-present Otolaryngology-Head and Neck Surgery.
# Research Grants and Contracts

<table>
<thead>
<tr>
<th>ANDERSON, J</th>
<th>2015-present</th>
<th>Co-Principal Investigator. Development of a Novel Microlaryngeal Simulator. St. Michael’s Hospital Grant ($10,900.00) and Harry Barberian Scholarship (with trainee Dr. Kayvan Nateghifard), Co-PI: Dr. Theresa Holler.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAMPISI, P</td>
<td>2016-2017</td>
<td>Co-Investigator. Medical Simulation and Independent Learning – Piloting OtoSim™ 3.0. Harry Barberian Scholarship. P. Campisi and V. Forte. $5,000 CAD.</td>
</tr>
<tr>
<td>CHEPEHA, D</td>
<td>2016-present</td>
<td>Principal Investigator. Rehabilitation of Head and Neck Cancer Patients with Biofeedback Training to Improve Speaking and Eating in Public. AHSC AFP Innovation Fund. University Health Network. $190,870.00 CAD.</td>
</tr>
<tr>
<td></td>
<td>2016-2017</td>
<td>Principal Investigator. Are Markers of Epithelial Mesenchymal Transition Related to Pattern of Invasion in Patients with Oral Cavity Squamous Cell Carcinoma. Harry Barberian Scholarship (Jozaghi). Otolaryngology – Head &amp; Neck Surgery, University of Toronto. $9,800.00 CAD.</td>
</tr>
<tr>
<td>DABDOUB, A</td>
<td>2017-2018</td>
<td>Co-Principal Investigator. Establishing the human utricle from surgical patients as a translational in vitro model for hair cell regeneration. Hearing Health Foundation (USA). 1 yr grant. $75,000.</td>
</tr>
<tr>
<td>Year</td>
<td>Investigator</td>
<td>Project Description</td>
</tr>
<tr>
<td>----------</td>
<td>--------------</td>
<td>----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>2016-2017</td>
<td>Co- Principal Investigator</td>
<td>Growing supporting cells in culture: Towards high-throughput screens. Hearing Health Foundation (USA). 1 yr grant. $165,000.</td>
</tr>
<tr>
<td></td>
<td>DE ALMEIDA, J</td>
<td>Principal Investigator. Circulating tumour DNA trends following post-operative wound infection after oral cavity resection and neck dissection for oral cavity SCC. Harry Barberian Scholarship. Collaborators: Ma, Andrew, Irish, Jonathan, Lam, David Goldstein, David. $5,000 CAD.</td>
</tr>
<tr>
<td>2015-2018</td>
<td>GOLDSSTEIN, D</td>
<td>Co-Principal Investigator. A novel active surveillance approach to primary management of low-risk papillary thyroid cancer. CCSRI Innovation Grant. PI: Sawka, Anna and Goldstein, David. $92,560 CAD.</td>
</tr>
<tr>
<td>2015-2017</td>
<td>GOLDSSTEIN, D</td>
<td>Co-Principal Investigator. A Novel Active Surveillance Approach to the Primary Management of Low Risk Papillary Thyroid Cancer. AHSC AFP Innovation Fund. PI: David Goldstein and Anna Sawka. Collaborators: Dr. John de Almeida, Dr. Ian Witterick, Dr. Shereen Ezzat, Dr. Lorne Rotstein, Dr. Jonathan Irish, Dr. Ralph Gilbert, Dr. Patrick Guilane, Dr. Douglas Chepeha, Dr. Dale Brown, Dr. Karen Devon, Dr. Jeremy Freeman, Dr. Al Vescan and Dr. Eric Monteiro. $193,145.88 CAD.</td>
</tr>
<tr>
<td>2016-2018</td>
<td>HIGGINS, K</td>
<td>Assessing the feasibility, acceptability, and Impact of Implementing Cancer Care Ontario’s Psychosocial Oncology &amp; Palliative Care Pathway in the care of patients with Head and Neck Cancer. AHSC AFP Innovation Fund. PI: Janet Ellis. Collaborator: Kevin M. Higgins. $99,000.</td>
</tr>
<tr>
<td>2014-2018</td>
<td>HIGGINS, K</td>
<td>Co-Principal Investigator. Tissue engineering of auricular cartilage implants for external ear reconstruction. CIHR. PI: Dr. S. Waldman. Collaborators: Dr. Cushing, Dr. M. Kunz, Prof. S. Pang and Dr. A. Winterborn. $460,000 CAD.</td>
</tr>
<tr>
<td>2012-2018</td>
<td>HIGGINS, K</td>
<td>Principal Site Investigator. Efficacy of optically guided surgery in the management of early stage oral cancer (COOLS trial). Terry Fox Research Institute (TFRI)/Canadian Cancer Society Research Institute. $25,000.</td>
</tr>
</tbody>
</table>
**HOLLER, T**

2015-present  Co-Investigator. Development of a Novel Microlaryngoscopy Simulator for Teaching and Assessment. SMHA Innovation Funds AFP Grant. $15,000.

2015-present  Co-Primary Investigator. Development of a Novel Microlaryngoscopy Simulator for Teaching and Assessment. Harry Barberian Scholarship. $5,000 CAD.

**IRISH, J**


2016–2017  Co-Principal Investigator. Integrated Image-Guidance Platform for High-Precision Cancer Surgery. CIHR Program Grant. PI: Jinzi Zheng, Co-PIs: Christine Allen, David Jaffray, Jonathan Irish. $100,000 CAD.


2015-present  Porphysome project. Princess Margaret Cancer Foundation. Innovation Accelerator Fund. PI: Zheng, Gang. $250,000 CAD.


2015-2016  Co-Investigator. Impact of distinct HPV subtypes on survival in oropharyngeal cancer. Princess Margaret Cancer Foundation. 2015 Invest in Research Program. PI: Bratman, Scott. Collaborators: Fei-Fei Liu, Jeff Bruce, Wei Shi, Wei Xu, Ilan Weinreb, Brian O’Sullivan, John Waldron, Shao-Hui Huang, Trevor Pugh. $100,000 CAD.


**JAMES, A**

2017  Principal Investigator. Developing novel instrumentation to facilitate transcanal endoscopic ear surgery. Harry Barberian Scholarship. Collaborator: Swarup, A. $7,143 CAD.

2017  Principal Investigator. Development of surgical instruments to facilitate endoscopic ear surgery. Perioperative Services, Hospital for Sick Children. Innovation Grant. Collaborator: Swarup, A. $8,162 CAD.

2016  Principal Investigator. Development of surgical instruments for endoscopic ear surgery. Director’s Innovation Award, Institute of Biomaterials and Biomedical Engineering, University of Toronto. Collaborator(s): Andrysek J, Swarup A. $15,000 CAD.
**LE, T**

2017-present  
Principal Investigator. Start-up Fund. Sunnybrook Hearing Regenerative Program. Total Funding. $300,000 CAD.

**LEE, J**

2017-present  
Co-Investigator. Olfactory outcomes following endoscopic sinus surgery for chronic rhinosinusitis with nasal polyps. Harry Barberian Scholarship. Collaborators: Division of Rhinology Members. $5,000 CAD.

2017-present  

2016-2018  
Co-Investigator. Endoscopic Polypectomy performed In Clinic for chronic rhinosinusitis with polyps: The EPIC multicentre randomized controlled trial. Funding Source: Canadian Institutes of Health Research (CIHR) Project Grant. Collaborators: Janjua, Arif; MacDonald, Kristian; Meen, Eric, Micomonaco, Damian; Rotenberg, Brian; Rudnik, Luke; Sowerby, Leigh; Tewfik, Marc; Thavorn, Kednapa. Principal Investigator: Kilty, Shaun (Nominated); Fergusson, Dean. $240,818 CAD.

2016-present  

**LAUGHLIN, S**

2012-2017  

2012-2017  

2013-2017  

**LIN, V**

2016-2018  
Principal Investigator. Impact of the Sunnybrook Home Guided Hearing Rehabilitation Tool on Speech Recognition Following Cochlear Implantation. Ontario Ministry of Health. Academic Health Sciences Centre - AFP Innovation Funding. $96,000 CAD.

2016-2017  
Co-Investigator. Safety of Intratympanic Fludrocortisone Injections in a Mouse Model. Department of Otolaryngology - Head & Neck Surgery. Harry Barberian Scholarship. PI: Kurien, George. $9,000 CAD.

2016-2017  

2015-2018 Principal Investigator. Development of the Vestibular Evoked Myogenic Potential Response in the Guinea Pig. Med-EL Austria. $48,000 CAD.

2015-2018 Principal Investigator. Extended use of Pre-Operative Steroid Administration in the Guinea Pig Model. Med-EL Austria. $367,900 CAD.

LIU, FF


MONTEIRO, E


2016 Co-Investigator. Assessment of emergency referrals to Otolaryngology-Head & Neck Surgery at tertiary centres in the GTA. Harry Barberian Scholarship. Chen S, Chan Y. $2,000 CAD.


PAPAIOANNOU, V
**PROPST, E**

2016  Principal Investigator. Olympus Corporation of the Americas Grant MED-ENT-144. Olympus Corporation of the Americas. $3,000 CAD.

2014-present  Principal Investigator. Tracheal transplantation in a porcine model (tracheal stenosis - tissue engineering). Department of Otolaryngology - Head & Neck Surgery. Harry Barberian Scholarship. $5,000 CAD.


**RINGASH, J**

2016-2020  Collaborator. Cancer Clinical Trials Pooling of Quality Life Data (CATAPULT) initiative. EORTC Quality of Life Group Grant. PIs: Bottomley, Andrew and Fletcher, Hennig. 300,000 Euro.


VESCAN, A

2017  Co-Investigator. USGFNA Simulation Project. Harry Barberian Scholarship. $7,000 CAD.


ZAMEL, N


ZIRKLE, M

2017-2018  Co-Principal Investigator. Investigating Organizational Drivers of Resident Fatigue Research Project AFP Grant. $21,972.
Residents & Fellows

Residents & Fellows
Residents & Fellows

PGY 1
Neil Arnstead
Christopher Hong
Florence Mok
Christopher Noel
Jennifer Siu

PGY 2
Joel Davies
Frédérick Laliberté
Mirko Manojlovic
Kolarski
Sunita Rai
Josie Xu

PGY 3
Yael Bensoussan
Peter Dixon
Weibo Hao
Yelda Jozaghi
Patrick Scheffler

PGY 4
Michael Awad
Stephen Chen
Andrew Ma
Jason Xu
Christopher Yao
Jonathan Yip
Xiao Zhao

PGY 5
Michael Au
Gian-Marco Busato
Gavin le Nobel
Gordon Tsang
Jennifer Wang

Department of Otolaryngology - Head & Neck Surgery, Residents 2016-2017
[Left to Right] Front Row: Christopher Noel-PGY1, Jennifer Wang-PGY5, Sunita Rai-PGY2, Yael Bensoussan-PGY3, Visiting Professor Dr. Dan Fliss, Dr. Ian Witterick, Josie Xu-PGY2, Florence Mok-PGY1, Jennifer Siu-PGY1, Mirko Manojlovic Kolarski-PGY2

Middle Row: Xiao Zhao-PGY4, Frédérick Laliberté -PGY2, Neil Arnstead-PGY1, Gordon Tsang-PGY5, Michael Au-PGY5, Christopher Yao-PGY4, Andrew Ma-PGY4, Patrick Scheffler-PGY3, Christopher Hong-PGY1, Stephen Chen-PGY4, Weibo Hao-PGY3

Back Row: Jason Xu-PGY4, Gian-Marco Busato-PGY5, Michael Awad-PGY4, Gavin le Nobel-PGY5, Joel Davies-PGY2, Peter Dixon-PGY3

Absent: Yelda Jozaghi-PGY3, Jonathan Yip-PGY4, Dr. Paolo Campisi
<table>
<thead>
<tr>
<th>Fellowship</th>
<th>Fellow</th>
<th>Country of Training</th>
<th>Mentor(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Head and Neck Oncology</td>
<td>Jeffrey Blumberg</td>
<td>USA</td>
<td>University Health Network: Drs. Dale Brown, Douglas Chepeha, John de Almeida, Jonathan Irish, Ralph Gilbert, David Goldstein, Patrick Gullane</td>
</tr>
<tr>
<td></td>
<td>Mohammed Bu Abbas (to Sept 2016)</td>
<td>Kuwait</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wael Hasan</td>
<td>Ireland</td>
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<td></td>
<td>Caitlin McMullen</td>
<td>USA</td>
<td></td>
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<tr>
<td></td>
<td>Matthew Mifsud</td>
<td>USA</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Nidal Muhanna (to Sept 2016)</td>
<td>Israel</td>
<td></td>
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<td></td>
<td>Lenka Stankova</td>
<td>USA</td>
<td></td>
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<tr>
<td></td>
<td>Peter Vosler</td>
<td>USA</td>
<td></td>
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<tr>
<td></td>
<td>Han Zhang</td>
<td>Canada</td>
<td></td>
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<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Facial Plastic &amp; Reconstructive Surgery</td>
<td>Monica Kieu</td>
<td>USA</td>
<td>Drs. David Ellis and Jamil Asaria Dr. Peter Adamson</td>
</tr>
<tr>
<td></td>
<td>David Sarcu</td>
<td>USA</td>
<td></td>
</tr>
<tr>
<td>Pediatric Otolaryngology</td>
<td>William Parkes</td>
<td>USA</td>
<td>Hospital for Sick Children: Drs. Paolo Campisi, Sharon Cushing, Adrian James, Blake Papsin, Evan Propst</td>
</tr>
<tr>
<td>Rhinology, Skull Base and Head &amp; Neck Oncology</td>
<td>Ben McArdle</td>
<td>Australia</td>
<td>Sinai Health System: Drs. Ian Witterick, Allan Vescan, Eric Monteiro</td>
</tr>
<tr>
<td>Otology Skull Base Surgery</td>
<td>George Kurien</td>
<td>Canada</td>
<td>Sunnybrook HSC: Drs. Joseph Chen, Vincent Lin</td>
</tr>
<tr>
<td></td>
<td>David Low</td>
<td>Canada</td>
<td></td>
</tr>
<tr>
<td>Medical &amp; Surgical Otology/Neurotology</td>
<td>Simon Carr</td>
<td>UK - England</td>
<td>University Health Network: Drs. John Rutka, David Pothier</td>
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<td></td>
<td>Fatemeh Hassan Nia</td>
<td>Canada</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Ophir Ilan (to August 2016)</td>
<td>Israel</td>
<td>Markham Stouffville Hospital: Dr. Jerry Halik</td>
</tr>
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<td></td>
<td>Thomas Mawby</td>
<td>UK - England</td>
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<td></td>
<td>Meirav Sokolov</td>
<td>Israel</td>
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<tr>
<td>Laryngology</td>
<td>Richard Townsley</td>
<td>Scotland</td>
<td>St. Michael’s Hospital: Dr. Jennifer Anderson</td>
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</tbody>
</table>
DEPARTMENTAL AWARD PROGRAM
Departmental Awards Program

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

Dr. Peter Dixon received the Chapnik, Freeman and Friedberg Clinician Scientist Program Award – Awarded to a third or fourth year resident/fellow or junior faculty in the Department of Otolaryngology-Head & Neck Surgery enrolled in a Master of Science or Master in Education or PhD degree program at the University of Toronto to pursue advanced research training.

Dr. Dixon (right) with Dr. Jeremy Freeman

Dr. Peter Dixon received the Freda Noyek Otolaryngology Merit Award - In recognition of special commitment to patient care and academic achievement.

Dr. Dixon (left) with Dr. Ian Witterick

Dr. Christopher Hong received the Judy Chauvin Otolaryngology Resident Award – In recognition of an enthusiastic interest in the initiation of a serious otolaryngology-related research project.

Dr. Hong (centre) with Dr. R.V. Harrison (left) and Dr. Carl Chauvin (Judy’s son)

Dr. David Sarcu received the Kris Conrad Merit Award in Facial Plastic Surgery - For achievements in the field of research, and perseverance in attaining the highest level of expertise in the performance of Facial Plastic Surgery.

Dr. Sarcu (left) with Dr. Kris Conrad (centre) and Dr. Ian Witterick
Dr. Eric Monteiro received the Resident Advocacy Award – In recognition of dedication to improving the residency program through support and mentorship.

Dr. Yelda Jozaghi received The Shiley E.O. Pelausa Award - For demonstration of excellent clinical work by a PGY3.

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

Dr. Michael Au received the Resident Teacher of the Year Award - Awarded to a PGY5 resident who is judged to have been an outstanding teacher to other residents and medical students during their residency.
Dr. Han Zhang received the Fellow Teacher of the Year Award - Awarded to a fellow who is judged to have been an outstanding teacher to residents and medical students during their fellowship.

Dr. Zhang (right) with Chief Resident Dr. Michael Au

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

Dr. Vescan (left) with Dr. Alma Smitheringale

Dr. Ralph Gilbert received the Distinguished Alumnus Award - Awarded to an alumnus in recognition of having demonstrated an exceptional commitment and dedication to the practice and teaching of Otolaryngology-Head & Neck Surgery and whose professional ethical standards have been of the highest order.

Dr. Gilbert (left) with Dr. Yvonne Chan

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

Dr. Xiao Zhao received the Dr. Raymond H. W. Ng PhD Award - Awarded to a graduate student enrolled in a full-time PhD program in the Faculty of Medicine.

Dr. Dixon (centre left) and Dr. Zhao (centre right) with Drs. Gullane and Harrison

Dr. David Sarcu received the Wilfred Goodman Award in Facial Plastic and Reconstructive Surgery – Awarded based on academic merit to a resident or fellow who is undertaking their education and research in the field of facial plastic and reconstructive surgery, with an emphasis on the cosmetic aspect of such surgery.

Dr. Sarcu (right) with Dr. Witterick
2016-17 Harry Barberian Scholarship Awards

Andrew Dimitrijevic (Faculty)
Brain Responses to Naturalistic Stimuli When Testing Adults with Cochlear Implants.

Christopher Hong (PGY1) & Joel Davies (PGY2)
Development of Diagnostic miRNA Signatures to Improve Surgical Selection on Thyroid Nodules with Indeterminate Fine Needle Aspiration Cytology.

Trung Le (Faculty)

John Lee (Faculty)
Olfactory Outcomes following Endoscopic Sinus Surgery (ESS) for Chronic Rhinosinusitis with Nasal Polyposis (CRSwNP).

Andrew Ma (PGY4)
Percutaneous Tracheotomy in Tertiary Community Hospital.

Jaina Negandhi (Grad Student)
The Origins of Spontaneous Otoacoustic Emissions.

Arushri Swarup (Grad Student)
Developing Novel Instrumentation to Facilitate Transcanal Endoscopic Ear Surgery.

Jason Xu (PGY4)
Use of a Thyroid Ultrasound Simulator for Teaching UGFNAB of Thyroid Nodules.

Xiao Zhao (PGY4)
Elucidating the Role of CD36 as a Master Regulator of Extracellular Matrix Regulation: Implications for Fibrosis Therapy.
26th Annual Percy Ireland Academic Day

FRIDAY APRIL 28, 2017
University of Toronto's Hart House, East Common Room

The Department of Otolaryngology-Head & Neck Surgery held its 26th Annual Percy Ireland Academic Day on April 28, 2017 at the University of Toronto's Hart House.

Visiting Professor Dr. Dan M. Fliss (Chairman of the Department of Otolaryngology Head and Neck and Maxillofacial Surgery and the Interdisciplinary Center for Head and Neck Surgical Oncology at Tel-Aviv Sourasky Medical Center, affiliated to the Sackler Faculty of Medicine Tel-Aviv University) delivered The Percy Ireland Oration and Grimm Lecture titled: “Skull Base Surgery, Lessons Learned”.

Dr. Vito Forte was our Guest of Honour

BEST PAPER IN EACH OF FIVE CATEGORIES

Recognition is given to one presenter in each category

Category 1 - Work undertaken by post-residency research fellows/graduate degree students:
Awarded to Dr. Xiao Zhao for his project: “Targeting Metabolic Dysregulation for the Treatment of Radiation Fibrosis”

Dr. Zhao (left) with Dr. R.V. Harrison

Category 2 - Work undertaken by PGY2 residents during clinical rotation:
Awarded to Dr. Frédérick Laliberté for his project: “Post-operative Narcotic Use in Otolaryngology Patients”

Dr. Laliberté (left) with Dr. Eric Monteiro
Category 3 - Work undertaken by PGY3 residents during clinical rotation:
Awarded to Dr. Yael Bensoussan for her project:
“Optimizing Patient Surgical Experience: A web-based tool to improve recall of information and patient satisfaction for thyroid surgery”

Dr. Bensoussan (left) with Chief Resident Dr. Michael Au

Category 4 - Work undertaken by PGY4 residents during clinical rotation:
Awarded to Dr. Jonathan Yip for his project:
“Quality Indicators in Acute and Chronic Rhinosinusitis”

Category 5 - Work undertaken by post-residency clinical fellows:
Awarded to Dr. Meirav Sokolov for her project:
“The Influence of Ototoxic Treatment in Oncologic Pediatric Patients on Vestibular Function”

Dr. Sokolov (right) with Dr. Doug Chepeha

Best Overall Presented Paper:
Awarded to Dr. Peter Dixon for his project:
“The Utility of the Word ‘Cancer’ in Patient Preferences for Low Risk Differentiated Thyroid Cancer”

Dr. Dixon (right) with Dr. Ian Witterick
Annual Percy Ireland Dinner

Thursday April 27, 2017 – Park Hyatt Hotel Toronto
DEPARTMENTAL COMMITTEES AND MEMBERSHIP
Departmental Committees and Memberships

Executive
Chair: Ian Witterick
Members: Peter Adamson, Jennifer Anderson, Paolo Campisi, Yvonne Chan, Joseph Chen, Al Chiodo, Jeremy Freeman, Ralph Gilbert, Patrick Gullane, Robert V. Harrison, Jonathan Irish, Vicky Papaioannou, Blake Papsin, Lorne Segall, Allan Vescan

2016 Executive Committee Reception held on December 6, 2016 at the McLean House, Estates of Sunnybrook

Residency Program Committee (RPC)
Chair: Paolo Campisi
Members: Brad Hubbard (MGH), John Lee (SMH), John de Almeida (UHN), Vincent Lin (SHSC & Research Committee representative), Eric Monteiro (MSH), Adam Toth (MAM), Florence Mok (PGY1), Sunita Rai (PGY2), Weibo Hao (PGY3), Jonatha Yip (PGY4), Michael Au (PGY5), Caitlin McMullen (Fellow Rep)

Continuing Professional Development (CPD)
Chair: Yvonne Chan
Members: Paolo Campisi, Allan Vescan, Ian Witterick

Research
Chair: Robert V. Harrison
Members: Doug Chepeha, Alain Dabdoub, David Goldstein, Karen Gordon, John Lee, Vincent Lin, David Pothier, Evan Propst, Al Vescan; [ex-officio] Paolo Campisi & Ian Witterick

Audiology
Chair: Vicky Papaioannou
Hospital for Sick Children: Susan Druker, Karen Gordon, Gina Goulding, Laurie MacDonald, Lora Carinci
Sunnybrook Health Science Centre: Julija Adamonis, David Shipp, Kari Smilsky, Ken Williams
Sinai Health System: Dana Parker, Nadia Sandor, Eloise Thurier, Erica Wong, Jill Witte, University Health Network: Carolyn Falls

Undergraduate Medical Education (UME)
Chair: Allan Vescan
Members: Jason Atlas, Dale Brown, Deron Brown, Paolo Campisi, Yvonne Chan, Brad Hubbard, John Lee, Bosco Lui, Raewyn Seaberg, Manish Shah, Jack Shahin
Student Representatives: Eitan Aziza

Department Appointments Committee (DAC)
Chair: Jonathan Irish
Members: Peter Adamson, Jennifer Anderson, Joseph Chen, Jeremy Freeman, Ralph Gilbert, Robert V. Harrison, Vicky Papaioannou, Blake Papsin, Ian Witterick
Department Promotions
Chair: Robert V. Harrison
Members: Peter Adamson, Joseph Chen, Jeremy Freeman, Ralph Gilbert, Jonathan Irish, Blake Papsin, Ian Witterick

Budget Advisory
Chair: Ian Witterick
Members: Jennifer Anderson, Joseph Chen, Ralph Gilbert, Robert V. Harrison, Blake Papsin

Community Academic
Chair: Yvonne Chan

Advancement
Chair: Patrick Gullane
Members: Ian Witterick, Heather Yearwood

Quality and Safety
Chair: Danny Enepekides
Members: Jennifer Anderson, Doug Chepeha, Jonathan Irish, Adrian James, Eric Monteiro, David Pothier, Manish Shah, Praby Singh, Ian Witterick
Departmental Committees Reports
Dr. I. Witterick (Chair)

The departmental Executive Committee is the senior advisory body to the Chair. The committee includes the hospital chiefs, the directors of undergraduate medical education, postgraduate medical education, continuing professional development, research and the chairs of committees in our department (Audiology, Advancement, Departmental Appointments Committee, Promotions and Quality & Safety). The head of our three divisions (1. Facial Plastic and Reconstructive Surgery; 2. Head and Neck Oncology and Reconstructive Surgery and 3. Rhinology) as well as the representative for the Community Academic Faculty also sit on the Executive Committee.

The Executive Committee receives reports from all standing committees on a monthly basis and distributes minutes of the 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 function well with excellent input and advice on the running and future directions of our department. I am indebted to the high calibre of collegiality and assistance the members of this committee provide.
Undergraduate Medical Education

Dr. Allan Vescan (Chair)

Our Undergraduate Medical Education (UME) Portfolio remains vibrant and strong with involvement in nine undergraduate courses over the four years of the UME program. Over 1000 medical students are exposed to our specialty in various educational opportunities throughout their four years of medical school.

Pre-Clerkship Courses

Dr. Brad Hubbard represented our department during the preclerkship curriculum as assistant UME director and led the department in the delivery of the ASCM1, MMMD, PBL and Longitudinal Elective courses.

The courses we are involved with are changing with the evolving pre-clerkship Foundations Curriculum for years 1 and 2. The Arts and Science of Clinical Medicine (ASCM) 1 & 2 is now called Integrated Clinical Experience or ICE and involves one day of teaching in Year 1 with 13 of our faculty members spread out amongst the four Teaching Academies. ASCM 2, now called Clinical Skills 2 (CS 2), is a component of the ICE course and involves 44 ½ days teaching commitments over the course of three weeks in December and January. The main change involves the timing of the teaching during CS-2, previously in the ASCM-2 course the teaching assignments were spread out over the academic year. Mechanism, Manifestations and Management of Disease (MMMD), a second year course, in which we have provided six lectures in addition to a seminar, is changing to a course called TOPIC (Toronto Patient Centered Integrated Curriculum). This will involve a revised week based around a virtual online clinic, with three lectures, workshops, eLearning materials, anatomy labs as well as student led and faculty led case-based learning (CBL).

Post-Clerkship Courses

Dr. John Lee continues to lead our department as the assistant director of UME overseeing the TTR (Transition to Residency Program), Fusion course and Portfolio course.

The clerkship course remains largely unchanged with our hybrid model, where half of the approximately 260 medical students will rotate through our community academic sites and half will be in our more traditional academic teaching units. This has led to an improved learning environment for our students. The Longitudinal Integrated Clerkship rotation (LInC) continues to expand with 34 students slated for this experience in the 2017/18 academic year. The 34 students will be spread out amongst the four academies as follows - Wightman Berris – 12, FitzGerald – 8, MAM – 9, Peters-Boyd – 5. The LInC students are performing at par with traditional block clerkship students, however, the preceptor and student
experience has improved based on the longitudinal teaching relationships.

The remaining courses: Longitudinal Elective (LE), Transition to Residency (TTR), Fusion, Portfolio and Health Sciences Research (HSR) courses remain largely unchanged.

I would like to sincerely thank all of our faculty for their amazing contributions to UME over this past year and look forward to your continued support. Special thanks to all of our Site Co-ordinators and Drs. John Lee and Brad Hubbard for all their extra work and effort in the delivery of UME for our department. UME is a complex portfolio with instruction, requests and changes coming from different leadership groups at the academy/hospital and university levels. It was an honour to receive the Alma Smitheringale Undergraduate Teaching Award this past year, I appreciate everyone’s patience and commitment to our UME mandate.
Dr. Paolo Campisi (Chair)

The 2016–2017 academic year has been a year of innovation and planning for the introduction of competency-based education to the residency program. The University of Toronto has been at the forefront of this national initiative with our department being the first to develop a multi-teaching site curriculum, an on-line smartphone program that allows for the completion of assessments in real time, a procedure logging system that is in line with the ACGME and that will be rolled out to all residency programs in Canada, and a Competency Committee with terms of reference and reporting structure. These developments place our department at the forefront of post-graduate education innovation. This would not have been possible without the tremendous support of the PGME office and the Education Innovation group headed by Dr. Susan Glover-Takahashi and its members, Ms. Lisa St. Amant and Dr. Marla Nayer.

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

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

John de Almeida (University Health Network)
Brad Hubbard (Michael Garron Hospital)
John Lee (St. Michael’s Hospital)

Vincent Lin (Sunnybrook Health Sciences Centre & Research Committee representative)
Eric Monteiro (Sinai Health System & Patient Safety & Quality Committee representative)
Adam Toth (Mississauga Academy of Medicine)
Florence Mok (PGY1 representative)
Sunita Rai (PGY2 representative)
Weibo Hao (PGY3 representative)
Jonathan Yip (PGY4 representative)
Michael Au (PGY5 representative & chief resident)
Caitlin McMullen (Fellow representative)

Residents

There were 27 residents and 22 clinical and research fellows enrolled in postgraduate training programs within our department. Dr. Michael Au served as the administrative chief resident and represented the interests of the residents diligently. Dr. Au completed his term on April 30, 2017 and Dr. Jonathan Yip was subsequently elected as incoming chief resident. Thank you Michael and Jonathan for your excellent work on behalf of the residents. All five graduating residents successfully passed the Royal College Examinations in Otolaryngology–Head & Neck Surgery held in Ottawa on April 7, 2017. Congratulations to Drs. Michael Au, Gian-Marco Busato, Gavin le Nobel, Gordon Tsang and Jennifer Wang. Michael secured a staff position at Peterborough Regional Health Centre. Gian-Marco, Gavin and Gordon will be starting their fellowship training with the University of Toronto. Gian-Marco has secured a fellowship in head & neck surgical oncology, Gavin in pediatrics and Gordon in otology and neurotology. Jennifer will be travelling to the MD Anderson Cancer Centre in Texas for her fellowship training in head & neck surgical oncology.
Resident Selection

The CaRMS selection process was held on January 27, 2017 using best practices guidelines. The process included file reviews, traditional interviews, multiple-mini interviews (MMI), and a surgical skills station. The Selection Committee continues to have significant resident representation. The traditional interviews were conducted by Drs. Ian Witterick, Paolo Campisi, Michael Au, Andrew Ma, Jennifer Wang and Jonathan Yip. The MMIs were administered by Drs. Yvonne Chan, Albino Chiodo, David Goldstein and Eric Monteiro. The surgical skills station was prepared by Drs. Vito Forte and Paolo Campisi, and administered by Drs. Peter Dixon and Jennifer Siu. Additional event coordination was provided by Yael Bensoussan, Joel Davies, Yelda Jozaghi, Sunita Rai and Josie Xu. A sincere thank you to all the members of the Selection Committee for their dedication to this very important day for the department. The program successfully matched all available positions to Canadian medical graduates. The department was delighted to welcome Drs. Terence Fu and Daniel Lee from the University of Toronto, Justin Cottrell from Western University, and Neil Verma from McGill University. The department also welcomed an international medical graduate, Dr. Shireen Samargandy from King Abdulaziz University.

Residency Curriculum

The Residency Core curriculum continues to be provided over a 3-year cycle to residents in the PGY2-PGY4 years. In the 2016-2017 academic year, the core topics covered were head & neck surgery and facial plastic & reconstructive surgery. Drs. John de Almeida, Peter A. Adamson and Jamil Asaria served as leads for the series of lectures provided. The PGY1 residents attended weekly “Foundations of Surgery” lectures throughout the year and a two-week “Prep Camp” in July prior to joining clinical rotations. The PGY5 residents participated in weekly fellowship study lectures provided by faculty in preparation for the Royal College Examinations. Residents in the PGY 2-PGY5 years wrote the annual National In-Training Examination in December 2016. Once again, our residents performed very well on this examination. The faculty members have continued to provide an incredible number of exceptional clinical courses for the residents and fellows. A special thank you goes out to Dr. Peter Adamson for organizing the Soft Tissue Dissection and Rhinoplasty courses, Drs. Jamil Asaria, Ashlin Alexander and Yvonne Chan for organizing the Plastics Injectables course, Drs. John Lee & Allan Vescan for the Endoscopic Sinus Surgery course, and the many faculty & fellows that have contributed to the series of Temporal Bone Dissection courses provided throughout the academic year.

The PGY4 residents attended the annual American Academy of Otolaryngology-Head and Neck Surgery meeting in San Diego, California in September 2016. This opportunity has been generously funded every year by the faculty at the core teaching sites. Thank you to the faculty at the University Health Network, Sinai Health System, Sunnybrook Health Sciences Centre, St. Michael’s Hospital and the Hospital for Sick Children.

Our department has encouraged and supported residents to participate in global health initiatives offered by our faculty. In the past academic year, three residents joined Dr. John Rutka on medical outreach trips. In October 2016, Dr. Stephen Chen participated in a mission to Dryden, ON and in November 2016, Drs. Christopher Yao and Jason Xu travelled to Sioux Lookout, ON (see photos on page 148). In the coming year, the department will endeavor to provide more opportunities in Northern Ontario, Africa and Asia.

The fourth annual resident retreat was held on June 23, 2017. The theme for the retreat was resident wellness and balance. We invited Dr. Shelly Dev of Sunnybrook Health Sciences Centre to give her talk on “The Dark Side of Medicine Residency”. The lecture was well received and the residents expressed fantastic comments regarding Dr. Dev’s captivating approach.

As mentioned above, the specialty of otolaryngology-head & neck surgery was selected by the Royal College to implement a Competency Based Medical Education curriculum in July 2017. Several faculty development events were provided throughout the year. A curriculum map, assessment tools, individualized schedules, and an on-line assessment
program were piloted during the 2016-2017 academic year.

Lastly, a special thank you to Drs. Adrian James, Yvonne Chan and the faculty mentors for organizing and providing mentorship for the Journal Club meetings. During the 2016-2017 academic year, several new formats and venues were piloted to help engage more participation.

Fellowship Programs
The Department of Otolaryngology-Head & Neck Surgery at the University of Toronto continues to be a beacon for fellowship training nationally and internationally. There were 22 fellows enrolled in clinical and research training programs in our department for the 2016-2017 academic year.

Research
The PGY2 residents continue to participate in a 4-month research block under the supervision of various faculty members. During the 2016-2017 academic year, new initiatives were introduced to help mentor the incoming PGY2 residents in advance of their research block. Residents were required to submit a research proposal and plan that was reviewed by the RPC and Research Committees. These changes were introduced to ensure success locally and at national meetings and to encourage residents to pursue graduate level programs in subsequent years. Dr. Xiao Zhao continued to work towards completing his PhD program in the next academic year.

The 5th Harry Barberian Fundraising Dinner was held on May 2nd, 2017. The proceeds from this annual event are used to fund resident and faculty research in the department. The recipients of Harry Barberian scholarships for 2017 are listed in the “Departmental Awards Program” section of the annual report. A special thank you to Mr. Arron Barberian & Dr. Jeremy Freeman for their ongoing support of this annual event.

The Percy Ireland Annual Academic Day was held on April 28, 2017. The invited professor was Dr. Dan M. Fliss from the Faculty of Medicine Tel-Aviv University, Israel. Dr. Fliss was very impressed with the quality of the resident research. The award recipients of the various categories are listed in the “Percy Ireland Academic Day” section of this report.

Research and Teaching Awards
Dr. Michael Au was recognized by his peers as the resident teacher of the year. Dr. Han Zhang was recognized by the residents as the fellow teacher of the year. Dr. Eric Monteiro was recognized by the residents for the Residency Advocate Award and also as the Faculty Teacher of the Year.

Dr. Christopher Yao won 2nd place in the 2017 Poliquin Resident Research Competition at the 66th Annual Meeting of the Canadian Society of Otolaryngology-Head & Neck Surgery in Saskatoon, Saskatchewan held June 10-13, 2017.

Dr. Yvonne Chan received the Sustained Excellence in Community-based Clinical Teaching (Community Hospital) Award by the Faculty of Medicine, University of Toronto. This award recognizes excellence in teaching at a community hospital for her ongoing work in continuing medical education.

Dr. Paolo Campisi received the CAME Certificate of Merit in April 2017. The award was presented by the Canadian Association of Medical Education to promote, recognize and reward faculty members committed to advancing medical education in Canada. He also received the 2017 Excellence in Postgraduate Medical Education Award in recognition of excellence in development and innovation in postgraduate education at the University of Toronto.

Congratulations to Team FOX: Drs. Peter Dixon, Frédérick Laliberté, Michael Au, Jonathan Yip & led by Dr. Rick Fox. (front)
Otolaryngology Jeopardy was held on December 9, 2016 and the Chief’s Cup (OHNS Trivia Contest) was held on February 15, 2017 at the Foggy Dew Pub.


2016-17 Graduation Ceremony June 15, 2017, Hart House
Dr. Yvonne Chan (Chair)

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

I would like to thank Dr. Ian Witterick for organizing our Grand Rounds which include presentations from visiting professors, guest lecturers, community & academic faculty, fellows, and residents. Our faculty continues to benefit from the capability to watch the Grand Rounds live from any internet connection when they are not able to attend in person.

The following outlines the large number of courses organized under the auspices of our department as well as the many visiting professors to the department.

Courses Organized

<table>
<thead>
<tr>
<th>DATE(S)</th>
<th>COURSE TITLE (ORGANIZERS)</th>
<th>GUEST FACULTY/INVITED SPEAKERS</th>
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<tbody>
<tr>
<td>April 1, 2017</td>
<td>Lumps, Bumps and Looks in Head and Neck (Drs. Yvonne Chan,</td>
<td>Lori Shapiro, Medicine, UofT</td>
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<td>Peter Adamson, Michael Brandt, Howard Bargman)</td>
<td>Monika Winnicki, Medicine, UofT</td>
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<td>Dr. Scott Bratman, Radiation Oncology, UofT</td>
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<td>Mr. Ryan Breedon, Campisi LLP</td>
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<td>Personal Injury Lawyers</td>
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<td>Mr. Joseph Campisi, Campisi LLP</td>
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<td>Personal Injury Lawyers</td>
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<td>Dr. Gigi Osler, Otol-HNS, University of Manitoba</td>
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<td>February 4, 2017</td>
<td>15th Annual Otolaryngology Update (Drs. Yvonne Chan, Paolo</td>
<td>Dr. Brian Rotenberg, Otol-HNS, Western University</td>
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<td>Campisi)</td>
<td>Mr. Mark Winson, Executive VP, Wealth Management, Wise Riddell</td>
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<td>Financial Group</td>
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Courses Organized continued...

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<th>DATE(S)</th>
<th>COURSE TITLE (ORGANIZERS)</th>
<th>GUEST FACULTY/INVITED SPEAKERS</th>
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<tr>
<td>February 3, 2017</td>
<td>Sleep Symposium (Drs. Yvonne Chan, Raymond Ng, Brian Rotenberg)</td>
<td>Dr. Matt Bromwich, Paediatric Otol, University of Ottawa</td>
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<td>Dr. Marco Caminiti, Dentistry, UofT</td>
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<td>Ms. Lori Davis, West Park Healthcare Centre</td>
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<td>Dr. Indra Narang, Pediatrics, UofT</td>
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<td>Dr. Les Priemer, American Board of Dental Sleep Medicine</td>
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<td>Dr. Clodagh Ryan, Medicine, UofT</td>
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<td>Dr. Colin Shapiro, Psychiatry, UofT</td>
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<td>Dr. Julie Strychowsky, Paediatric Otolaryngology, Western University</td>
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<td>January 14, 2017</td>
<td>Symposium on Management of Low Risk Differentiated Thyroid Cancer and Noninvasive Follicular Thyroid Neoplasy with Papillary-like Nuclear Features (Drs. Yvonne Chan, David Goldstein, Anna Sawka)</td>
<td>Dr. Jesse Pasternak, Surgery, UofT</td>
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<td>Dr. Lorne Rotstein, Surgery, UofT</td>
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<td>Dr. Richard Tsang, Radiation Oncology, UofT</td>
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<td>Dr. Afshan Zahedi, Medicine, UofT</td>
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<td>October 20-21, 2016</td>
<td>Paediatric Endoscopic &amp; Open Airway Courses (Dr. Evan Propst)</td>
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<td>October 18-19, 2016</td>
<td>International Endoscopic Ear Surgery Course (Dr. Adrian James)</td>
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Invited Professors/Invited Guests

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<tr>
<th>DATE OF PRESENTATION</th>
<th>TITLES OF PRESENTATIONS</th>
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<tr>
<td>June 22-23, 2017</td>
<td>Yuri Nikiforov&lt;br&gt;Department of Pathology&lt;br&gt;University of Pittsburgh Medical Center&lt;br&gt;Personalized Management of Patients with Thyroid Nodules and Cancer Using Molecular Profiling&lt;br&gt;Nomenclature Change for Thyroid Tumors: NIFTP</td>
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<td>May 18-19, 2017</td>
<td>Eric Genden&lt;br&gt;Otolaryngology, Head and Neck Surgery&lt;br&gt;Mount Sinai Hospital, New York&lt;br&gt;Healing is an Art, Medicine is a Profession, Health-care is a Business: Your Role as a Physician Leader?&lt;br&gt;Long Segmental Tracheal Reconstruction: Dictum, Religion and Science</td>
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<td>Date</td>
<td>Presenter</td>
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<td>May 11-12, 2017</td>
<td>Richard Wong</td>
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<td>Chief, Head &amp; Neck Service, Memorial- Sloan Kettering Cancer Center</td>
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<td>(Annual Binstock Lecture)</td>
</tr>
<tr>
<td>May 5, 2017</td>
<td>Brian Wong</td>
</tr>
<tr>
<td></td>
<td>Department of Medicine, Faculty of Medicine, University of Toronto</td>
</tr>
<tr>
<td>April 28, 2017</td>
<td>Dan M. Fliss</td>
</tr>
<tr>
<td></td>
<td>Department of Otolaryngology, Head and Neck Surgery and Maxillofacial Surgery</td>
</tr>
<tr>
<td></td>
<td>Sackler Faculty of Medicine Tel-Aviv University, Israel</td>
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<tr>
<td></td>
<td>(Percy Ireland Oration &amp; Grim Lecture)</td>
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<tr>
<td>April 21, 2017</td>
<td>Gauthier Desuter</td>
</tr>
<tr>
<td></td>
<td>ENT Head &amp; Neck Surgery Department Universté catholique do Louvain, Brussels, Belgium</td>
</tr>
<tr>
<td>March 31, 2017</td>
<td>Alain Dabdoub</td>
</tr>
<tr>
<td></td>
<td>Department of Otolaryngology-Head &amp; Neck Surgery, Faculty of Medicine, University of Toronto</td>
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<tr>
<td></td>
<td>(Annual Tomlinson Lecture)</td>
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<tr>
<td>March 24, 2017</td>
<td>Christopher Hartnick</td>
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<tr>
<td>Date</td>
<td>Name</td>
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<tr>
<td>March 16-17, 2017</td>
<td>Joseph Dort</td>
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<tr>
<td>March 3, 2017</td>
<td>Brett Miles</td>
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<tr>
<td>February 10, 2017</td>
<td>Jeanette Goguen</td>
</tr>
<tr>
<td>February 17, 2017</td>
<td>Marlene Bagatto</td>
</tr>
<tr>
<td>February 3, 2017</td>
<td>Brian Rotenberg</td>
</tr>
<tr>
<td>October 21, 2006</td>
<td>Robin Cotton</td>
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**Invited Professors/Invited Guests continued...**

<table>
<thead>
<tr>
<th>November 11, 2016</th>
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</thead>
<tbody>
<tr>
<td>Perry Mansfield</td>
</tr>
<tr>
<td>Department of Otolaryngology-Head &amp; Neck Surgery, California</td>
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</table>

**Summary**

We are committed to CPD and faculty development courses for community and academic otolaryngologists, family practitioners and allied health care professionals. We will continue to look for new opportunities to provide leading edge CPD and faculty development for our specialty and others. 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 Ms. Audrey Martin, our Business Officer, for her continued support of our CPD portfolio. We hope to have more administrative support for CPD in the 2017-18 academic year.

Some of the programs planned for the 2017-18 academic year are presented below.

**Upcoming Courses 2017-18**

- **September 23, 2017**  
  What’s New in Office-Based Procedures in Otolaryngology
  
- **October 21, 2017**  
  6th Toronto Voice Conference

- **November 10-11, 2017**  
  Otology Update

- **November 29-30, 2017**  
  Endoscopic Ear Surgery Workshop
  More info at http://www.orlped.com

- **November 29, 2017**  
  Paediatric Endoscopic Airway & Esophageal Surgery Workshop
  More info at http://www.orlped.com

- **November 30, 2017**  
  Cochlear Implant Workshop
  More info at http://www.orlped.com

- **November 30, 2017**  
  Paediatric Open Airway Surgery Workshop
  More info at http://www.orlped.com

- **November 30-December 3, 2017**  
  Society for Ear Nose and Throat Advances in Children (SENTAC)
  More info at http://sentac.org

- **February 2, 2018**  
  Quality Primer for Otolaryngologists

- **February 3, 2018**  
  Annual Otolaryngology Update

- **April 6-7, 2018**  
  Rhinology Update

Visit [www.otolaryngology.utoronto.ca](http://www.otolaryngology.utoronto.ca) for more information.
Lumps, Bumps and Looks in Head and Neck – April 1, 2017

Paediatric Endoscopic & Open Airway Courses – October 20-21, 2016
Within our department we have a very diverse range of research teams that span almost all aspects of Otolaryngology-Head & Neck Surgery. These teams are outlined in the diagram below of our departmental research framework.

Reports of each team can be found in the Department Research Team Reports Section of this report.
The mission of the Faculty of Medicine is to seek excellence in clinical practice, teaching and research. We follow that lead in our department; research is an integral part of our university mandate.

Clinical research is carried out by many of our staff, often in association with other healthcare professionals and/or basic scientists. Our full-time scientists interact extensively with our clinical staff in translational studies, and are also involved in basic aspects of science (“discovery science”) relating to otolaryngology-head and neck surgery.

The departmental Research Committee is structured to represent the research activities at each of our core teaching hospitals, and also to represent both clinical and basic research. The Hospital for Sick Children (SickKids) is represented by Karen Gordon and Evan Propst. Sunnybrook Health Sciences Centre is represented by Alain Dabdoub and Vincent Lin. Al Vescan represents Sinai Health System research. For UHN, David Pothier, Doug Chepeha and David Goldstein are on our committee, and John Lee reports on behalf of St. Michael’s Hospital. The Research Committee also includes ex-officio members: Our chair Ian Witterick and Paolo Campisi, Vice Chair - Education.

To exhibit the range of research that goes on in our department, we organized a research evening at the beginning of the year (February 2017). As always this was a great success, however this one evening cannot do justice (time-wise) to the vast amount of research that we do in our relatively small clinical department. For our size, we really do pull our weight academically.

Throughout the year we have addressed many issues important to our current research activities including the state of federal research support, and the increasing need to look to other sources of funding including industry and philanthropic support. We have also noted that the research publishing world has recently been unhinged because of the transition to online publishing, and the rise of “predatory journals” that will publish literally anything, providing you pay! We have discussed our department’s strategic plan as it relates to research and have discussed how to improve our “academic impact”. In this context we have considered the various metrics used to measure our individual productivity such as H-index and other measures of individual academic performance such as ResearchGate, Google Scholar and Scopus ratings. The reality is that we will all be judged on such factors in the future! We have advised our departmental staff and trainees on the value of considering (when possible) journal impact factor. We have distributed to our department, lists of the impact factors of otolaryngology-head and neck surgery journals.

A major event to discover the research activities of our trainees is the annual academic day (Percy Ireland Day) when the focus of attention is on residents, fellows and graduate students. Our committee has spent some time discussing how trainee research experience can be improved, and we particularly appreciate the leadership from Paolo Campisi, the residency Program Director.

As will be evident from the research lab reports elsewhere in the annual report, the past year has seen the onset, as well as the successful completion, of many research projects. Our department continues to improve research productivity in term grant funding and peer reviewed publications, and as reflected by the demand on our faculty to make presentations at national and international clinical and research meetings.

We continue to grow and fulfill the research mission of the Faculty of Medicine at the University of Toronto. Thank you to the Research Committee members, and well done to all those who have contributed to the academic progress of our department.
Ms. Vicky Papaioannou (Chair)
The Audiology Committee is composed of a group of audiologists dedicated to research, undergraduate and postgraduate education, and continuing medical education within the department. Members of the Audiology Committee under the leadership of Susan Druker provided audiology teaching as part of the otolaryngology curriculum for the undergraduate medical students. The core lecture series for the otolaryngology residents took place in September and “Audiogram of the Month” continued throughout the academic year and included vestibular cases as well as audiological. Kids2Hear, a primary preventative health initiative whereby medical students provide school-based hearing and otoscopy screening for elementary school children enjoyed another successful year. Medical students and many members of our department including audiologists, residents, fellows, and surgeons participated in hearing screening at several different Toronto elementary schools. Marlene Bagatto was our visiting professor for the annual Krista Riko Lecture discussing “Fitting Hearing Aids to Babies: Applying Science & Technology to Support Positive Outcomes”. The valuable contributions of the Audiology Committee members from Mt. Sinai must be acknowledged as the clinic sadly closed in the spring of 2017. The contributions of these audiologists will be sorely missed.

The Audiology Committee members for the 2016–2017 academic year were:

Hospital for Sick Children
Lora Carinci, Susan Druker, Karen Gordon
Gina Goulding, Laurie MacDonald
Vicky Papaioannou (Chair)

Sinai Health System
Dana Parker, Nadia Sandor, Eloise Thurier
Jill Witte, Erica Wong

Sunnybrook Health Science Centre
Julija Adamonis, David Shipp, Kari Smilsky
Ken Williams

University Health Network
Hailey Ainlay, Carolyn Falls, Emma Leblanc
The Department Appointments Committee (DAC) was established in all clinical departments under the directive of the Dean of Medicine, University of Toronto. The DAC has the following mandates:

1. Ensures consistent and appropriate appointment processes to the Department of Otolaryngology-Head & Neck Surgery

2. Conducts two performance reviews (first a midterm review at 18 months followed by the usual full probationary period prior to a continuing annual appointment is three years, but may be extended for up to two additional years) of all Full-time appointments in accordance with the Procedures Manual for Clinical Faculty.

3. Reviews all activity reports of Part-time, Clinical Adjunct and Status Only faculty members and makes recommendations to the Chair of the department on their re-appointment on a yearly basis.

The DAC provides advice to the chair and hospital chiefs regarding all initial part-time and full-time appointments, all adjunct appointments and conducts two performance reviews of all full-time academic appointments, first at 18 months then at the end of the probationary period.

The following faculty serve on the DAC: Jonathan Irish (Chair), Peter Adamson, Jennifer Anderson, Joseph Chen, Jeremy Freeman, Ralph Gilbert, Blake Papsin, Ian Witterick (ex-officio) Robert Harrison, and Vicky Papaioannou. The committee is active and has three planned meetings per year (November, February and May) with other meetings scheduled as necessary.

The Department Appointments Committee has made the following recommendations to the chair of the department this year:

**Approval of Full-Time Faculty Appointments**

Dr. Jun Lin was recommended for a full-time non-tenure stream appointment at the rank of Assistant Professor. This appointment will be at St. Michael’s Hospital as of August 21st, 2017 with clinical expertise in laryngology.

Dr. Tony Eskander was recommended for a full-time non-tenure stream appointment at the rank of Assistant Professor. This appointment will be at Sunnybrook Health Science Centre and will take effect as of August 1, 2017 with clinical expertise in head and neck surgical oncology and reconstruction.

Dr. Nikolaus Wolter was recommended for a full-time non-tenure stream appointment at the rank of Assistant Professor. This appointment will be at Hospital for Sick Children and will take effect as of July 1, 2017 with clinical expertise in paediatric otolaryngology.

**Approval of Faculty Probationary Review**

As a requirement of academic recruitment at the University of Toronto every new recruit must undergo an academic review after a probationary period of 3-5 years after recruitment. Dr. John de Almeida and Dr. David Pothier underwent a full term review on September 22, 2016 and both were unanimously approved to pass their review.

On May 10, 2017 Dr. Douglas Chepeha underwent a full term review and was unanimously approved to pass his review.

The DAC congratulates Drs. de Almeida, Pothier and Chepeha on this achievement.
Approval of New Clinical Adjunct Faculty Appointments all at the level of Lecturer

Dr. Vinay Fernandes was appointed as Clinical Adjunct faculty at the level of Lecturer, effective October 1, 2016.

Dr. Robert Burke was appointed as Clinical Adjunct faculty at the level of Lecturer, effective January 1, 2017.

Approval of New Status Only Appointment at the level of Lecturer

The following were recommended for status only appointments at the level of Lecturer: Emma LeBlanc, Hailey Ainlay and Ian Syrette.

The DAC also recommended re-appointment of 68 Clinical Adjunct and Part-time Faculty. Drs. Alma Smitheringale and KY Chow are retiring and declined re-appointment.

The DAC membership would like to congratulate all new faculty members to the Department of Otolaryngology-Head & Neck Surgery and congratulate Drs. Chow and Smitheringale for outstanding careers and service to the department.
Dr. Robert V. Harrison (Chair)

An important marker of academic achievement is “promotion through the ranks” at the university. It is an indicator of excellence in our clinical and research communities. We expect that staff recruited into our department will work towards and achieve university promotion. In the Faculty of Medicine the standards and criteria for promotion are high. For clinicians in our department, much credit is given for being an excellent role model and showing initiatives to improve clinical care (i.e. creative professional activity; CPA). Contributions to teaching and education are also important, at all levels from undergraduate to continuing education. For all our staff, and particularly our scientists and clinician-scientists, research is essential. High quality peer reviewed publications are expected, and scientists are also expected to be successful in obtaining research funding.

The Department Promotions Committee membership reflects the full range of clinical subspecialties in otolaryngology-head and neck surgery, as well as the special interests of our teaching hospitals. The committee for this year consisted of Peter Adamson, Joe Chen, Jeremy Freeman, Ralph Gilbert, Jonathan Irish and Blake Papsin. The committee is advisory to our Chair, Ian Witterick (an ex-officio member). We spend much effort to make assessments and recommend promotion of candidates. Our committee also assists candidates to prepare documentation, and coordinates external and internal peer assessments. I would like to thank all members of our committee for their careful and diligent work over the past year. Our committee does not award promotion, but decides who is eligible for consideration by the Decanal Committee of the Faculty of Medicine.

Our committee is involved in all university promotion steps from the rank of lecturer to assistant professor, and senior level stages through associate to full professor. In the past year we congratulate Dr. Evan Propst and Dr. Sharon Cushing for promotion to associate professor, and to Dr. Adrian James for reaching the level of full professor. Well deserved (and a triple distinction for the crew at SickKids!).

Even though our department is dispersed at various hospital and institutes, professorial rank is one of the more tangible reminders that we are part of a university family and that we have a common academic mission and more importantly, a shared collegiality.
Dr. I. Witterick (Chair)

The Budget Advisory Committee aids the Chair in appropriately monitoring and structuring the financial affairs of the department, particularly related to academic stipends. We continue to experience financial pressures with annual reductions in our base budget, new faculty stipends and increased operating costs. We strive to support new full-time faculty members at an enhanced level compared with previous new full-time faculty to create an environment that allows them to be academically productive.

Faculty members have been understanding as we continue to have challenges with our budget. We have supported our education and research missions through philanthropy, fund raising dinners, CPD revenues and have been frugal with our budget expenditures. The Dean has agreed to support new furniture and computers for our University office as well as a 0.5 FTE assistant to help with the multitude of CPD activities and other administrative tasks we do in the University office. Thank you Dean Young!

I want to thank all members of the Budget Advisory Committee for their help and advice. A special note of thanks to Ms. Audrea Martin, our Business Officer, for managing our finances in an exemplary fashion.
The membership of this group of faculty has increased significantly in the last seven years as we take on a more expanded role in undergraduate and postgraduate education. This year, I would like to welcome the following new community academic faculty: Drs. Vinay Fernandes and Robert Burke.

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 Arts & Science of Clinical Medicine teaching and clerkship teaching. Medical students are also being supervised by our community faculty during clinical observerships, both pre-clerkship and clerkship. At the post-graduate education level, trainees continue to rotate through the Michael Garron Hospital, North York General Hospital, Trillium Health Partners, and William Osler Health System. PGY 4 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. Adamson, Ellis, Asaria, and Smith.

Our Community Academic Faculty is involved in Continuing Education & Professional Development to practicing otolaryngologists. We were involved in the planning and sponsorship of the successful 15th Annual Otolaryngology Update in February 2017 at the SickKids Peter Gilgan Centre for Research & Learning. Again, it was extremely well attended and highly rated by otolaryngologists across Ontario.

The Distinguished Alumnus Award this year was presented at the Percy Ireland Dinner in April 2017. This award is presented to an alumnus of the University of Toronto's otolaryngology - head & neck surgery residency program whose professional and ethical standards have been of the highest order. This year's award was presented to Dr. Ralph Gilbert.

As the number of community academic faculty increases, 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.
Advancement Initiatives and Successes

Dr. Patrick Gullane (Lead)

This past year we’ve continued with fantastic momentum from last year’s exciting times with further continual generosity from new and existing donors and in addition further strengthened our relationships with prior donors and alumni. The process has again been very positive in helping cultivate new relationships and in addition learn about why faculty, friends and alumni continue to support the academic mission of our Department.

During this year Ms. Heather Yearwood, Senior Development Officer, U ofT Medicine, Department of Otolaryngology-Head & Neck Surgery continued in her quest to further identify donors and reach out to all our alumni and friends. This combined further discovery meetings that both helped to identify major donors and to engage the department’s volunteers in the cultivation and solicitation process. A donor brochure with a link to our department’s website has been created that will make donations easier to facilitate especially for those outside Canada.

Highlights this year included a new gift of $100,000 (from an anonymous donor), a renewed gift of $40,000 from the Mark Daniels and Andrea Weissman-Daniels Charitable Foundation, approximately $100,000 from The Harry Barberian fundraising event and in addition many smaller gifts from our alumni and faculty.

In fiscal 2016-2017, we raised a total of $154,247 for the department’s priorities.

Additionally, we were honored that Mark and May Allison made a generous gift to honour Dr. Ralph Gilbert for his role in caring for and treating their daughter Carley. This is their way to recognize Dr. Gilbert as a surgeon and Professor, and create a lasting legacy of their gratitude. They established The Ralph Gilbert Award in support of MD students in need of financial assistance. This award also benefits from a matching opportunity offered by the University of Toronto called the Boundless Promise Program. New awards established for undergraduate students in financial need are eligible for a 1:1 match from the University of Toronto.

The following is a further list that highlights new donated funds to our department or affiliated hospitals over the last four years. Not all donations have been captured but it will give a sense of the strength of advancement in the department.

- Two new endowed Chairs
  - Gullane/O’Neil Chair ($3M)
  - Jordan and Lisa Gnat Family and Bastable-Potts Chair in Otolaryngology ($3M)
- One new term Chair: Nicole Muzzo Chair in Voice Research ($1.8M)
- Koerner Otology Research Funds at SHSC: > $2M
- Harry Barberian Scholarship Fund: > $400K
- Bequests: > $400K
- Dr. Joseph K. H. Wong Smile China Project Lecture and Award: $240K
- Raymond Ng Awards: $200K
- OtoSim™ Fundraising Dinners: $200K
- Paul and Rose Allison: $100K to support Dr. Alain Dabdoub’s lab at Sunnybrook
- Anonymous: $100K to support otology research at SHSC
• Mark Daniels: $70K (purchase of equipment for the Surgical Skills Centre at MSH/SHS)
• Wilf Goodman Award in FPRS: $50K
• The Arnold M. Noyek O.C. Awards: $50K

The strength of these donations are further demonstrated in this summary of Endowed Chairs within our Department that has provided us the ability to further enhance research productivity and achieve global impact.

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<thead>
<tr>
<th>CHAIR NAME</th>
<th>CHAIR HOLDER</th>
<th>ESTABLISHING GIFTS</th>
<th>TYPE</th>
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<tbody>
<tr>
<td>Mariano Antonio Elia Chair in Head and Neck Cancer Research</td>
<td>Fei-Fei Liu</td>
<td>$2,500,000</td>
<td>Endowed</td>
</tr>
<tr>
<td>Kevin and Sandra Sullivan Chair in Surgical Oncology</td>
<td>Jonathan Irish</td>
<td>$2,000,000</td>
<td>Endowed</td>
</tr>
<tr>
<td>The Wharton Chair in Head &amp; Neck Surgery</td>
<td>Patrick Gullane</td>
<td>$2,000,000</td>
<td>Endowed</td>
</tr>
<tr>
<td>The Gullane Family/O’Neil Family Chair</td>
<td>Ralph Gilbert</td>
<td>$3,000,000</td>
<td>Endowed</td>
</tr>
<tr>
<td>Nicole Muzzo Voice Chair</td>
<td>Jennifer Anderson</td>
<td>$1,793,000</td>
<td>Term</td>
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<td>The Jordan and Lisa Gnat Family and Bastable-Potts Chair in Otol-HNS</td>
<td>Blake Papsin</td>
<td>$3,000,000</td>
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<tr>
<td>Cochlear Americas Chair in Auditory Development</td>
<td>Karen Gordon</td>
<td>$3,000,000</td>
<td>Endowed</td>
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<tr>
<td>Temmy Latner/Dynacare Chair in Head and Neck Oncology</td>
<td>Jeremy Freeman</td>
<td>$2,000,000</td>
<td>Endowed</td>
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How do we continue to support our departments vision of philanthropy?

• Identify Donors grateful for our contributions to their care or that of their family.

• Promote even to a greater degree the Department of Otolaryngology-Head & Neck Surgery’s Annual Percy Ireland Dinner

• Demonstrate through the Annual Dr. Joseph Wong lecture and dinner highlighting the benefits of major gifts and their global impact

• Further promote the Annual Otolaryngology-Head & Neck event

• Utilize Alumni receptions hosted by our Chair at the national CSO-HNS meeting, AAO-HNS Annual meeting and in addition other local and national meetings that promote the mission of our department and the importance of philanthropy.

These events and others have certainly helped enhance the fundraising successes of this past year, where we ended the year with a record-breaking number of new proposals presented to donors – totaling almost $2 million. These are currently with donors and we hope to share good news with further generous donations secured next year.

The funds from these donations and endowments are the financial engine that as previously stated helps to enhance productivity, educational and clinical initiatives that would not have been possible otherwise.

Finally, as in prior years we are indebted to the leadership and stewardship provided by the department which includes our most supportive Chair Dr. Ian Witterick and Ms. Heather Yearwood our Senior Development Officer.
The Quality and Safety Committee enjoyed a productive academic year. Thanks to our membership’s hard work, the committee finalized its first two practice guidelines on antibiotic and veno-thrombotic prophylaxis in general otolaryngology. In addition, a department wide practice survey on these topics was very well received and demonstrated excellent departmental engagement in quality. The results of the survey and the details of both guidelines were presented at departmental grand rounds. Both guidelines will be added to our department’s website this year.

Work has started on two new guidelines on the management of sudden sensorineural hearing loss and standardized morbidity and mortality reporting. Our quality and safety speaker series continued and we were privileged to have Drs. Joseph Dort and Brian Wong share their perspectives on quality and safety with our department. Our patient education portal on the departmental website is being created. It will include two patient education videos on thyroidectomy and tonsillectomy that should become a valuable resource for our patients. Work is underway to expand content.

This year our committee, represented by Dr. Witterick, established a quality and safety-working group at the Canadian Society of Otolaryngology-Head & Neck Surgery meeting in Saskatoon. There was broad representation from across the country and significant engagement that will hopefully lead to productive collaboration. Finally, the committee is planning the first University of Toronto Department of Otolaryngology-Head & Neck Surgery Quality and Safety Symposium that will take place in the next academic year. This meeting will bring otolaryngologists with an interest in quality and safety from across the country together to share ideas, experience, and knowledge.

I would like to thank all of the committee members for their engagement and hard work and I look forward to even greater success next year.
DEPARTMENTAL DIVISIONS AND MEMBERSHIPS
Departmental Divisions and Memberships

**Division of Facial Plastic and Reconstructive Surgery**

**Head: Dr. Peter Adamson**

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

**Division of Head and Neck Oncology and Reconstructive Surgery**

**Head: Dr. Ralph Gilbert**


**Division of Rhinology**

**Head: Dr. John Lee**

Saf Banglawala, Yvonne Chan, Al Chiodo, Dustin Dalgorn, John de Almeida, Ronald Fenton, Rick Fox, Artur Gevorgyan, Jack Kolenda, Randy Leung, Eric Monteiro, Allan Vescan, Jeffrey Werger, Ian Witterick.
Dr. Peter Adamson (Head)

It is my pleasure to report on the activities of the Division of Facial Plastic and Reconstructive Surgery for the academic year 2016-2017. Presently we have 18 members, including Professors Peter Adamson, Douglas Chepeha, David Ellis and Ralph Gilbert, Associate Professors Kristof Conrad, Danny Enepekides, Andres Gantous, David Goldstein and Kevin Higgins; Assistant Professors Michael Brandt, Robert Mounsey and Oakley Smith; and, Lecturers Ashlin Alexander, Jamil Asaria, Nitin Chauhan, Xerxes Punthakee, Richard Rival, and Philip Solomon. It must be noted at the outset that the productivity of our Division is tremendously assisted by the many contributions not only of our faculty members, but also of our departmental administrative staff. Sonia Valente, Andrea Martin and Michael Figueiredo provide their expertise and loyal support throughout the year. We have very much enjoyed the visionary guidance and academic engagement of Professor Ian Witterick, our chairman, and Professor Paolo Campisi, our Director of postgraduate medical education (PGME). We have also received significant encouragement and excellent advice from Dr. Yvonne Chan in the creation of our continuing medical education programs. On behalf of all members of our division, I wish to extend my deepest gratitude to each and all of these individuals.

Division FPRS Continuing Medical Education Courses

Dr. Jamil Asaria instigated and formulated a facial injectables course on November 7, 2016. This hands-on experience was greatly appreciated by our residents and fellows.

On April 1, 2017 our division created a PGME course, “Lumps, Bumps and Looks in the Head and Neck.” This was done in conjunction with the Department of Family and Community Medicine and the Division of Dermatology. Michael Brandt was the main instigator of this program, and chair, assisted by Drs. Yvonne Chan and Peter Adamson on the Planning Committee. Division members who presented included Drs. Brandt, Chepeha, Gantous, Rival, Solomon and Adamson. There were 65 participants at Mount Sinai Hospital for a very engaging and interactive discussion which received excellent reviews.

Our traditional resident courses for soft tissue workshops were held on December 5, 2016 and February 6, 2017. Drs. Brandt, Alexander and Adamson organized the presentations and all faculty noted that there has been a substantial growth in the knowledge and skill set of the residents in the handling of soft tissue due to these workshops.

The division’s traditional Rhinoplasty Dissection Workshop was held May 1, 2017, with Dr. Smith and Dr. Adamson leading the academic presentations and a large number of our division faculty in attendance.

On March 21, 2017 our division was responsible for Journal Club. Four papers were presented in total, two by each of our clinical fellows, Dr. David Sarcu and Dr. Monica Kieu. The focus was on clinical management of rhinoplasty patients, with very active discussions supported by division faculty present.

Postgraduate Teaching and Mentoring

The PGY4 residents continue to have a mandated one month rotation. Mentors included Drs. Ellis,
Asaria, Smith, Rival, Solomon, Conrad, Gantous and Adamson. Dr. Adamson prepared a document, Responsibilities for residents and faculty for division FPRS rotations, which was approved.

The core curriculum in FPRS has been revised by Drs. Asaria, Alexander, Brandt and Adamson. In concert with the new Competency by Design curriculum, there is an increased emphasis being placed on interactivity with the curriculum.

Drs. Adamson and Ellis continued with their American Academy of Facial Plastic and Reconstructive Surgery (AAFPRS) clinical fellowships. Dr. Ellis shared his fellow with Dr. Asaria who, along with Dr. Smith, were accepted as new AAFPRS fellowship directors. Dr. Conrad continued with his University of Toronto fellowship and other members of the Division are being encouraged to apply for fellowships through the rigorous process that has been established. This year’s clinical fellows, Dr. David Sarcu with Dr. Adamson, and Dr. Monica Kieu with Drs. Ellis and Asaria, have moved on to private specialty practices in Chicago and Los Angeles, respectively.

Many members of our division, including Drs. Asaria, Conrad, Smith, Solomon, Rival, Ellis and Adamson continue to accept a significant number of national and international students and observers.

Dr. Adamson presented the usual FPRS preparation lecture for the PGY5 residents on February 6, 2017, while Drs. Asaria, Brandt, Gantous, Kieu, Rival and Adamson also prepared mock oral sessions for our senior residents on March 1, 2017.

Division FPRS Activities

Two divisional meetings were held, November 23, 2016 and May 24, 2017, both at North 44 restaurant. Activities included finalizing Terms of Reference for our division within otolaryngology-head and neck surgery. We also are still seeking to get a part-time or full-time academic faculty position at one of the major teaching hospitals for a reconstructive facial plastic surgeon. On June 22, 2017 Dr. Adamson met with Dr. Witterick and Dean Trevor Young of the Faculty of Medicine regarding ongoing issues which have restricted access of members of our division to Research Ethics Boards for approval of research projects. The issue of access to the University of Toronto’s Department of Biostatistics was also raised. These issues will be further reviewed by the dean’s office, and hopefully resolved, in the coming academic year.

At the May 24, 2017 meeting there was a full discussion regarding potential development within our division. Dr. Adamson will be reviewing options with Dr. Witterick and Heather Yearwood, the department’s development officer, in the coming months.

This year also marked the five-year external review for Dr. Witterick, and a report was prepared for the External Review Committee regarding the activities of our division.

Faculty Member Activities

Drs. Adamson and Ellis continued their clinical fellowships associated with the American Academy of Facial Plastic and Reconstructive Surgery. Fellows also had valuable exposure to Drs. Asaria, Smith, Gantous, Conrad, Solomon and Rival. Dr. Ellis was Head for Cosmetic procedures for peer-review for the CPSO. Dr. Asaria was selected as a guest examiner for the American Board of Facial Plastic and Reconstructive Surgery and is director-elect for the American Academy of Facial Plastic and Reconstructive Surgery and sat on a number of committees. Dr. Solomon serves as OMA section vice-chair and is department chief at Mackenzie Health Hospital. Dr. Gantous is Treasurer for the CAFPRS and our Canadian representative to the AAFPRS and IFFPSS. Dr. Adamson continued as president of the International Board for Certification in Facial Plastic and Reconstructive Surgery and as a board examiner for this Board as well as the ABFPRS. He is also a member of the International Advisory Board for JAMA FPRS and as president of the Face the Future™ Foundation participated in two overseas humanitarian missions.

Numerous members of the faculty published peer-reviewed papers and chapters as well as presented a substantial number of papers at meetings locally,
nationally and internationally. Several faculty members review for our subspecialty journals.

**Humanitarian Activities**

The Joseph Wong Smile China Project lecture was held January 12, 2017 at Hart House. This year featured our own department's humanitarian volunteers who spoke on a variety of missions and projects internationally. Dr. Adamson presented the work of the Face the Future™ Foundation of which he is president and founder.

The 5th Face the Future mission to Kigali, Rwanda was led by Dr. Adamson on February 17-25, 2017. Eleven team members from Baylor University, Johns Hopkins, Harvard and Regensburg, Germany participated. Surgeries included congenital, traumatic and post-ablative facial reconstructions for children and young adults, including free flap surgery. Dr. Adamson led another mission, the 6th major mission, to Ulyanovsk, Russia from May 22, 2017 – June 2, 2017. This team consisted of 7 members and performed facial reconstructive as well as general pediatric reconstructive surgeries.

**Honours and Awards**

Dr. Adamson’s fellow, Dr. David Sarcu, was awarded the Wilfred Goodman Award and the Kristof Conrad Award for his research papers. Dr. Adamson gave the CAFPRS lecture of honour in October 2016 and was invested into the Order of Ontario on June 28, 2017 for his teaching, professional leadership and humanitarian missions. Dr. David Ellis received the Lifetime Achievement Award from the Canadian Society of Otolaryngology-Head & Neck Surgery at their annual meeting in Saskatoon in June 2017.

**Future Directions**

Our division will continue to promote the PGY4 one-month rotations and will look to increase the number of clinical fellowships. It is also expected that the number of national and international students and practicing surgeons wishing to attend as observers will continue to increase, and it will be necessary to facilitate this activity administratively. We will also continue to develop the core curriculum to align it with and to support the CBD changes.

Continuing discussions will be had with members of our division, our department leadership, hospital leaders and the faculty to appoint a facial plastic and reconstructive surgeon to a major part-time or full-time academic position. We will continue to seek resolution of the conundrum of currently not having adequate access to Research Ethics Boards for approval of clinical research. Residents and, indeed, faculty at the University of Toronto’s Department of OHNS will be provided opportunities and encouraged to participate in the humanitarian activities of our division. Finally, we shall continue to explore potential development opportunities that will benefit our division and department.
Division of Head and Neck Oncology and Reconstructive Surgery

Dr. Ralph Gilbert (Head)

The Division of Head and Neck Oncology and Reconstructive Surgery at the University of Toronto continues to have an extremely productive clinical and academic program. The clinical and academic programs are located at three sites. The Princess Margaret/UHN site with surgical services at the Toronto General Hospital; the Princess Margaret/Mt. Sinai site with surgical services at Mt. Sinai Hospital and the Sunnybrook/Odette site.

The division directs an American Head and Neck Society Advanced Training Fellowship under the leadership of Dr. Jeremy Freeman. This highly sought after fellowship program with six clinical rotations and one research position, draws applicants from around the world and develops and trains the future leaders of our sub-specialty.

The PMH/UHN site provides tertiary/quaternary services in Head and Neck Oncology within the largest regional program in Canada. The PMH/UHN site provides a complete spectrum of head and neck services including endocrine, microvascular surgery and minimally invasive approaches including robotics.

The PMH/UHN program has a strong multidisciplinary translational program, with four core labs focused on different aspects of head and neck oncology. This program has been strongly supported by the PMH Foundation with key donations from the Joe Findlay and Wharton endowments.

The PMH/Mt. Sinai site continues to offer tertiary/quaternary head and neck services with an internationally acclaimed program in endocrine oncology. Drs. Witterick, Vescan, de Almeida and Monteiro in collaboration with the UHN neurosurgery group provide a world-class program in MIS skull base surgery at Mt. Sinai and the Toronto Western Hospital. The Mt. Sinai site has an active and extremely productive molecular oncology program in endocrine and oral cancer.

The Sunnybrook/Odette Site offers tertiary/quaternary Head and Neck Oncology Services including Endocrine and Microvascular Surgery. The group at Sunnybrook also has a major presence in the Odette multidisciplinary Skin Malignancy Site Group. Dr. Kevin Higgins is the site chair for Head and Neck at Sunnybrook. The Group continues to collaborate with the UHN group and has an active research program in molecular imaging and outcomes research. Dr. Danny Enepekides is the Head of Surgical Oncology at the Odette Cancer Centre at Sunnybrook, one of the leading departments in the country.

The division had a very productive academic year. Our collaboration with Memorial Sloan Kettering Cancer Center in New York and the MD Anderson Cancer Center in Houston in presenting the annual Current Concepts Meeting continues and involves a broad spectrum of our faculty. The meeting in Houston this year was very successful with broad representation from our surgical group. The meeting next year will be in New York and the following year in Toronto.

The division’s staff continue to be highly sought after speakers with presentations in the past year at a number of high profile Head and Neck meetings including; AHNS, and numerous national and international societies. The group can currently claim Presidents of three international societies: Dr. Ian Witterick is President of the North American Skull Base Society, Dr. Jon Irish is President of the
American Head and Neck Society and Dr. Ralph Gilbert is President of the International Academy of Oral Oncology.

The division’s American Head and Neck Society accredited Head and Neck Fellowship continues to provide outstanding fellowship training in head and neck oncology/ reconstructive microsurgery and endocrine oncology. Currently the fellowship has trainees from the USA, Canada, Australia, and Ireland.

The division continues to thrive providing world-class clinical programs to the region and the province. The division through its academic programs continues to have a national and international presence providing leadership in advanced head and neck training and improving the care and survival for patients afflicted with head and neck malignancies.
Division of Rhinology

Dr. John Lee (Head)

2016–2017 marked the inaugural year of the Division of Rhinology within the Department of Otolaryngology-Head & Neck Surgery. It was established in the fall of 2016 to facilitate the departmental mission and vision in rhinology and endoscopic management of sinonasal neoplasms affecting the anterior skull base and orbit. Specifically, the division has been tasked in supporting the department in rhinologic education, research and clinical services.

Firstly, I am incredibly honoured to serve as the inaugural division head. For many years, the face of rhinology within the department has been our chair, Dr. Ian Witterick. As the number of full-time and affiliated faculty members grew with a special interest in rhinology and anterior skull base surgery, it became apparent that there was a huge potential to harness the expertise and experience of our faculty. Currently, the 15 members of our division are either fellowship trained or have extensive experience in providing specialized rhinologic care at 11 different hospital sites serving patients from all over the Greater Toronto Area and beyond. Even more impressively, many of our members are national and international leaders in rhinology and are frequently invited guests at meetings all over the world. I hope to bring together this incredibly talented and collegial group of individuals to continue to enhance the profile of the Division of Rhinology.

**Education**

This past academic year saw our division run and host the Annual Resident Sinus Surgery course on Saturday, April 29th 2017 at the Surgical Skills Centre of Mount Sinai Hospital. With over 20 resident trainees and 10 faculty members, we had an outstanding turnout and an almost unprecedented trainee to faculty ratio of 2:1. Residents were taught both basic and advanced sinus surgery maneuvers throughout the day-long course. The evaluation scores were outstanding which is a testament to the dedicated teachers we have in our division who generously gave their time to support this important educational event.

On June 20th 2017, rhinology journal club was held at the Asian Legend restaurant. The topic was “Does time to endoscopic sinus surgery impact outcomes in Chronic Rhinosinusitis” and was led by residents Dr. Jonathan Yip (PGY-4), Dr. Michael Awad (PGY-4) and Dr. Yelda Jogazhi (PGY-3). Drs. John Lee, Yvonne Chan, Eric Monteiro, Saf Banglawala and Randy Leung from our division were all in attendance to help support this event which had over 20 attendees and generated a very lively discussion. A great time was had by all the residents and staff.

Additionally, throughout the academic year, resident trainees are regularly exposed to rhinologic teaching at both our academic and community affiliated hospitals. For the upcoming 2017–2018 academic year, members of our division will also be involved in organizing the rhinology core teaching sessions for our residents in conjunction with the post-graduate program director, Dr. Paolo Campisi.

**Research**

One of the main goals in creating the Division of Rhinology was to create the infrastructure for multi-institutional studies given the large volume of rhinologic cases that are performed throughout our affiliated hospitals. Individually, many of our members have been very active in rhinology research with
expertise in clinical epidemiology, health research methodology, education and quality. After having the first division meeting in February 2017, our group collectively put forth a plan to hopefully enable more cross-collaborative studies. To that end, the Division submitted and was awarded a Harry Barberian Research Grant to purchase objective smell testing kits for each hospital site. In conjunction with prospectively collected patient reported outcome measures, members of our division will now have the ability to collect valuable objective data when studying nasal and sinus disease. We look forward to beginning a number of prospective studies for this upcoming academic year.

During the resident sinus course, an educational study evaluating a virtual reality endoscopic simulator was completed. This initiative was led by residents Drs. Mirko Kolarski (PGY-2), Christopher Yao (PGY-4) and Stephen Chen (PGY-4) and their mentors were Drs. Allan Vescan, Eric Monteiro and John Lee. With this study, we hope to identify another avenue for which trainees can acquire endoscopic skills especially in the era of competency based residency education.

Member Activities and Future Directions

Several of our division members continue to serve and play large administrative roles in several national and international rhinologic and skull base committees. Most notably, Dr. Ian Witterick is the president of the North American Skull Base Society for 2017-2018. As we embark on the next academic year, the division looks forward to even greater successes from our collective group as we hope to establish rhinology as a major pillar of academic and clinical strength within our department.
In the past few years the Department of Otolaryngology-Head & Neck Surgery at SickKids has undergone huge changes in an effort to adapt to a shifting environment at the university and hospital while still delivering high quality care to the children and families. Central to our ability to deliver care has been our successful recruitment of Nikolaus Wolter as our 6th full time consultant. Nik will develop his focus on paediatric rhinology and disease of the anterior skull base here at SickKids while also augmenting our head and neck and airway services.

In addition to re-constituting our six FTE consultant staff we have expanded out senior trainee program as well. This has been done with careful consideration of the resident training experience and the initial feedback has been extremely positive. We have transitioned over the past two years to become a two clinical fellow program and have reduced the duration of the program from a mandatory two year clinical/research fellowship to a single clinical year with an optional 2nd year of research available if requested. Our program has become increasingly competitive attracting sizeable numbers of highly trained applicants from all corners of the globe.

We have also focused on training practicing otolaryngologists in advanced paediatrics with the hopes that through them we can develop a paediatric network. Both Theresa Holler and Alex Osborn have trained and worked with us over the past couple of years and we hope that as they take positions in our community they can effectively manage more complex paediatric patients locally. We hope to continue this initiative in the future and in so doing, expand the network offering otolaryngologic care to Ontario’s children.

Our administrative staff have also been significantly transformed as we have become focused more intensely on care delivery metrics and specifically managing wait times for patients who require their care be delivered at SickKids. This transformation in administrative management is almost complete and our patient volumes for both clinics and operating room volumes has been positively affected.

Finally our consultant staff have continued to lead the profession by contributing to educational programs, development of novel surgical techniques, policy development and societal leadership. Our team continues to be extremely productive academically and have contributed to increasing SickKids’ profile locally and internationally. I am very proud of our department and excited to embrace the opportunities the coming year will bring.
Dr. Al Chiodo  
(Otolaryngologist-in-Chief)

HOSPITAL/PATIENT PROGRAMS

Our department divides its surgical services between outpatient and inpatient surgical services spanning the subspecialties of pediatric otolaryngology-head & neck surgery, otologic surgery, sinonasal surgery, facial plastic surgery and head and neck endocrine surgery. Not including the evening and weekend emergency visits, 6220 clinic visits were recorded for our department last year, an increase over last year. In addition, this fiscal year has seen the growth of the Thyroid Diagnostic Assessment Unit with over 700 visits. This unit is a multidisciplinary initiative joining together the specialties of otolaryngology-head & neck surgery and endocrinology. The Thyroid Diagnostic Unit allows us to provide patients with ultrasound needle biopsy services along with multidisciplinary consultations. We are delighted to have added Dr. Antoine Eskander to our staff as Head of the Thyroid Program. His head and neck surgical expertise will allow us to expand our abilities to deal with thyroid and salivary gland malignancies. In our sinus surgery program, Drs. Chiodo, Hubbard and El Masri continue to offer image guided sinus surgery to our community. Dr. Hubbard’s otology clinics along with our vestibular lab, has allowed our department to offer patients in the MGH catchment area with otologic surgery services including mastoidectomy and middle ear surgery. In our facial plastic surgery program, Dr. Smith’s surgical focus on nasal reconstruction is providing expert patient services along with fellow and resident teaching.

Our inpatient volumes were over 600 cases last year. The majority of inpatient volumes consist of pediatric inpatient surgery and head and neck surgery. The bulk of the head and neck surgery arises from our Thyroid Program. Our day surgery volumes have been close to 800 cases last year.

The Michael Garron Hospital is slated for a redevelopment for the spring of 2018. Moreover, the Ralph and Rose Chiodo Family donation of a quarter million dollars toward the new Otolaryngology–Head and Neck Surgery clinic and Multidisciplinary Thyroid clinic will be part of this new hospital redevelopment. We hope to have up to date clinic examination rooms, procedure rooms and a classroom/conference room area.

**Education**

a) Undergraduate Medical Education

Dr. Hubbard has continued to be the Assistant Director of Undergraduate Medical Education within our university department. He continues to direct the MMMD course and ASCM II courses for the university department and continues to be involved with shaping the new undergraduate pre-clerkship curriculum. The hospital department is involved in courses at every level of undergraduate training including the Clerkship, the Longitudinal Integrated Clerkship (LInC) and the Transition to Residency course. We have had 20 clerks along with 4 clerks from the LInC program. The otolaryngology-head & neck surgery clerkship at MGH/TEHN was established 5 years ago as a pilot project and because of its success, this community-based clerkship model was rolled out across the city in other community sites. We have had numerous elective and selective students this year including 3 students from the Royal College of Surgeons Dublin, and one student from the University of Queensland, Australia.

MGH/TEHN has consistently scored very high for rotation and teacher effectiveness for the clerkship.
b. Postgraduate Education

Our department has participated in the residency program since the early 1990s with regular rotations starting in 1999. Dr. Chiodo participated in the CaRMS selection committee this year. Dr. Hubbard represents our department on the university department Residency Program Committee. We have consistently had high rotation effectiveness scores and teacher effectiveness scores year after year. Residents continue to have high surgical volumes as primary surgeons in pediatric, sinus, otologic, endocrine and facial plastic surgeries. The resident continues to maintain a well-attended resident clinic in community otolaryngology-head and neck surgery. Furthermore, we have had about 35 family practice residents rotate through our department clinics on a yearly basis.

c. Fellowship and Continuing Medical Education

Our department has been actively involved in continuing education with our hospital’s Department of Family Medicine’s continuing medical education activities including the resident lecture series. Furthermore, Dr. Smith continues to be the course co-director for the Rhinoplasty and Soft Tissue Course through the University of Toronto, which is also a nationally attended course. Dr. Smith was recently approved as a fellowship supervisor for the American Academy of Facial Plastic and Reconstructive Surgery.

Research Initiatives

Drs. Eskander, Chiodo, Hubbard and El Masri have completed a study on community based institution-specific risk of papillary thyroid carcinoma based on pre-operative fine needle aspiration biopsy and how we compare to the Bethesda system. The results will be presented at the upcoming World Thyroid Congress in Boston. Dr. Chiodo has completed a three-year study comparing community-based versus tertiary-based clerkship teaching for otolaryngology-head and neck surgery. This work was presented at the 6th International Conference for Healthcare and Medical Students in Dublin, Ireland. Furthermore, Dr. Chiodo completed a paper in collaboration with our Department of Family Medicine on increasing awareness and treatment of sudden sensorineural loss among primary care physicians. Finally, Dr. Hubbard is completing a study on the development of an intake tool for dizziness patients in the emergency department. This project attempts to streamline and improve patient access to care by obtaining important information regarding their presenting complaint as they wait in the emergency department.
North York General Hospital

Dr. Everton Gooden
(Otolaryngologist-in-Chief)

North York General Hospital (NYGH) is one of Canada’s leading community academic hospitals.

We offer a wide range of acute care, ambulatory and long-term care services at three sites: the general site (4001 Leslie Street); the Branson Ambulatory Care Centre (555 Finch Avenue West); and Seniors’ Health Centre (2 Buchan Court). Our regional programs serve all of south central Ontario.

The hospital partners with 36 different academic institutions, including the University of Toronto, to prepare future physicians, nurses and other health care professionals to work in interprofessional teams, providing essential care in a community hospital setting.

The National Research Corporation of Canada (NRCC) shared that NYGH was the top performer of all participating Ontario hospitals for physician engagement with a score of 91.1 percent. Our hospital has been designated with exemplary status from Accreditation Canada.

NYGH began to transition services from the Branson Ambulatory Care Centre in anticipation of its lease expiration in 2019. We are in the early stages of a multi-year capital redevelopment project to expand and modernize the hospital and to build a new ambulatory care centre at the Leslie Street site.

Our hospital has continued its leadership role in Health Information Technology and was the first acute care hospital in Canada to receive the Health Information Management Systems Society (HIMSS) Davies Award of Excellence. Only about 50 hospitals around the world are recipients of this award.

Faculty

The Division of Otolaryngology-Head & Neck Surgery at NYGH is staffed by four full-time surgeons (Drs. Gooden, Goldfarb, Shah and Kandasamy) providing clinical care in all areas of Otolaryngology. Dr. Michal Brandt and Dr. Vinay Fernandes continue to provide clinical care in our ambulatory clinic.

Six full-time audiologists under the direction of Dr. Gina Oh support our ambulatory clinic. The clinic continues to participate in the Infant Hearing Program in partnership with the City of Toronto Public Health.

Education

We continue to participate regularly in the undergraduate otolaryngology teaching (ASCM and clerkship teaching) including the Transition to Clerkship Program and the Longitudinal Integrated Clerkship Program. We have continued our partnership with the Hospital for Sick Children by having the PGY3 resident participate in our surgical program one day per week.

Rotations within our division remains popular as we have welcomed many elective residents throughout the year and we continue to receive excellent evaluation scores from our learners.

Leadership

Dr. Gooden completed his term as Chief of Staff on June 3, 2017. He continues to participate as a director of the Foundation Board of Governors and will continue as chair of the Physician Campaign. In
2016-17 the Physician Campaign raised more than 250 thousand dollars contributing to the over 127 million dollars raised to date towards the foundation’s 150 million campaign for North York General Hospital.

Dr. Manish Shah has joined the Medical Staff Association as the Surgical Program Representative and continues to provide leadership as our education co-ordinator.
Mount Sinai Hospital (MSH), Joseph and Wolf Lebovic Complex is part of Sinai Health System (SHS), a 442-bed acute care academic health sciences centre with clinical strengths including women’s and infants’ health, chronic disease management, specialized cancer care, emergency medicine, and geriatrics. In 2015, Mount Sinai amalgamated with Bridgepoint Active Healthcare, and together with Circle of Care and the Lunenfeld Tanenbaum Research Institute, formed Sinai Health System. Sinai Health System was designated this year with Accreditation Canada’s highest designation of Exemplary Status. Rigorous patient care, quality plans and monitoring are cornerstones of Sinai Health System’s ethos. Mount Sinai Hospital is the first hospital in Canada to receive Magnet® status for nursing excellence and patient care issued by the American Nurses Credentialing Center. The hospital has also received multiple awards as an employer for its culture centred programs and is considered to be a top employer in Canada.

The otolaryngology-head & neck surgery clinics are located in two adjacent areas on the 4th floor of MSH. In the next 12-18 months, one clinic area will be temporarily relocated on the 4th floor as construction on the adjacent emergency department driveway starts including installation of new ventilation equipment. The renovations are part of “Renew Sinai”, a greater than $450M multi-year capital redevelopment project, the largest in Mount Sinai’s history, which is transforming the hospital’s facilities and growth of its internationally recognized clinical and research programs.

**The current phase includes:***

- **Redevelopment of the Critical Care Unit Updated Intensive Care Unit (ICU):**
  - New 35,500 square foot purpose-built space with improved access to the Emergency Department
  - 36 beds designed to accommodate different levels of acuity
  - Dedicated family areas in patient rooms

- **Expansion and redesign of the Schwartz/Reisman Emergency Centre:**
  - Complete renovation and expansion to almost twice its current size
  - Increased number of treatment bays from 37 to 52
  - Dedicated X-ray and CT scanner

- **Expansion and redesign of Operating Rooms and Surgical Services:**
  - New 65,000 square feet purpose built space
  - Consolidation of Day Surgery, Operating Rooms, Cystoscopy and Pre-and Post-Anesthetic Care Unit (PPACU)
  - 18 state of the art operating rooms

- **Increased Medical/Surgery Inpatient capacity**

- **Redesign of some of the Ambulatory Care areas:**
  - Patients will receive a variety of services in one multi-functional clinic space, leading to an improved patient experience
  - Education and meeting rooms

- **Redevelopment of a full-service, in-house Medical Devices Reprocessing Department**
Our Faculty

The five full-time clinical faculty are Drs. Jerry Chapnik, Jeremy Freeman, Eric Monteiro, Allan Vescan and Ian Witterick. Part-time faculty include Drs. Robert Burke, Yvonne Chan, Nitin Chauhan, Kris Conrad, Dustin Dalgorf, Taryn Davids, John de Almeida, Vinay Fernandes, Arnold Noyek, Xerxes Punthakee and Manish Shah. Dr. Ranju Ralhan, PhD (Director of Research for our department) runs an active basic science research program in the development of biomarkers for oral cancer and thyroid malignancy.

Drs. Freeman, Monteiro and Witterick continue to work in a multidisciplinary head and neck oncology clinic at Princess Margaret Cancer Centre. The multidisciplinary skull base clinic led by Dr. Allan Vescan is running well; this is a collaborative effort between our department, neurosurgery (Drs. Gelareh Zadeh and Fred Gentili) and endocrinology (Dr. Rowena Rideout). Surgical care is carried out at Toronto Western Hospital.

Drs. Taryn Davids and Manish Shah along with Speech Language Pathologist Mr. Tim Poon regularly conduct multi-disciplinary voice clinics and Drs. Yvonne Chan and Iona Leung (Dentistry) continue to run regular Mouth Clinics for the management of patients with challenging mouth disorders. We continue to have multidisciplinary endocrine collaboration in our ambulatory clinics as well as regular endocrine tumour boards. Our senior endocrine partner, Dr. Paul Walfish retired from clinical practice on June 30, 2017 after a long and highly distinguished career in endocrine oncology. We will miss his wisdom and guidance. Dr. Afshan Zahedi is a key player in the success of our endocrine oncology initiative and we welcome Dr. Karen Gomez-Hernandez, our newest endocrine oncology partner at MSH. Dr. Gomez-Hernandez will work alongside members of our department to provide care for some of the most complex endocrine oncology cases in the province.

We were deeply saddened this year with SHS’s decision to close the Audiology Department because of financial pressures. The Audiology Department had a long history of excellence including pioneering audiometric brainstem responses and infant hearing screening. The audiologists, our friends and colleagues, who provided such outstanding clinical care and education for medical students and residents, will no longer be working with us at SHS. We want to thank each and every one for their years of dedication and service to our department and university. We will miss you!

We continue to see a large volume of general and subspecialty patients (endocrine, sinus, skull base, head & neck oncology, larynx and mouth disorders) with over 18,000 clinic visits in 2016-17. We have large head & neck surgical oncology volumes which brings significant incremental volume funding to the hospital.

Education

Sinai Health System remains a popular rotation with residents and fellows with the highest teaching and rotation effectiveness scores. It is also a very popular elective for University of Toronto and visiting medical students. We continue to have a large number of international residents and observers visiting our department. We also provide off-service rotations for PGY1 residents in other specialties including Anesthesia, Pathology, Ophthalmology and Vision Sciences and Radiation Oncology.

The Longitudinal Integrated Curriculum has expanded at MSH and thank you to Drs. Vescan and Monteiro for providing excellent learning experiences for these clerks. Dr. Freeman mentored Drs. Lenka Stankova and Peter Vosler as Head & Neck Oncology fellows. Drs. Witterick, Vescan and Monteiro mentored Dr. Ben McArdle as the Rhinology, Skull Base and Head & Neck Oncology fellow. Dr. Vosler is continuing his second year of fellowship in Toronto. Dr. Stankova is returning to the United States to start practice and Dr. McArdle is returning to Australia to start his practice. We wish them well.

Drs. Freeman and Witterick are on the steering committee of the 3rd World Congress on Thyroid Cancer scheduled for July 2017 in Boston, MA. Dr. Freeman organized the 15th Annual Morley Binstock University of Toronto-Mount Sinai Hospital Lecture in Head and Neck Oncology and Visiting Professor,
Department of Otolaryngology-Head & Neck Surgery University of Toronto on May 11, 2017. The guest lecturer was Dr. Richard Wong, Chief, Head and Neck Service, Department of Surgery, Memorial Sloan-Kettering Cancer Center whose lecture was titled “Cancer’s got Nerve: Mechanisms of Perineural Invasion”. He gave University departmental Grand Rounds the following day “Advances in Salivary Cancer Management”.

Drs. Monteiro and Vescan continue to work on videos to educate patients on common otolaryngologic surgical procedures which are planned to be posted to the university department’s website so all can benefit. Dr. Monteiro leads our quality and safety initiatives and has been actively teaching at the University of Toronto’s Centre for Quality Improvement and Patient Safety (CQIPS). He is the Associate Course Director for their Certificate Course. He is also involved with the Royal College’s ASPIRE2 program which is a “train the trainer” program where he teaches educators at other universities how to incorporate patient safety and education into residency training.

**Awards**

Congratulations to Dr. Eric Monteiro who received the university department's “Excellence in Teaching Award” as nominated and voted on by all residents, fellows and faculty as well as the “Resident Advocate Award” as voted on by all residents. Dr. Monteiro also received a “Wightman-Berris Academy Individual Postgraduate Teaching Award”.

Dr. Allan Vescan received “The Alma Smitheringale Excellence in Undergraduate Teaching Award” and Dr. Yvonne Chan received the “2017 Award for Excellence in Community-Based Teaching (Community Hospital) from Postgraduate Medical Education at the University of Toronto and a “Joseph K.H. Wong/Smile China Project Award in Global Health & Outreach” from our university department. Dr. Ian Witterick received a “Lifetime Achievement Award” from the Journal of Otolaryngology-Head & Neck Surgery for his work as an Associate Editor for the last 20 years.

**Leadership**

For the University department, Dr. Witterick completed his first five year term as Chair of the university department and has been renewed for a second five-year term. Dr. Vescan is Director of Undergraduate Medical Education, Dr. Yvonne Chan is the Director of Continuing Professional Development and the Community Academic Faculty and Dr. Jeremy Freeman directs the Head & Neck Oncology Fellowship program. Dr. Witterick will assume the Chair of SHS’s Medical Advisory Committee in August 2017 and is currently the President of the North American Skull Base Society. He is also 2nd Vice-President for the Canadian Society of Otolaryngology-Head & Neck Surgery.

**Advancement**

The SHS Foundation and a grateful family led by Mr. Arron Barberian organized the 5th Annual Harry Barberian Memorial Dinner on May 2, 2017. Mr. Peter MacKay was the guest speaker and Mr. Ben Mulroney was the emcee. The funds provide research scholarships to residents, fellows and faculty in the university department through a competitive peer-reviewed grant mechanism as outlined elsewhere in this annual report.

In summary, we had another great year and continue to excel clinically and academically. I am most grateful to our dedicated faculty, learners, nurses, administrative staff and allied health professionals who make our hospital so great and a wonderful place to work. The Sinai Health System leadership is very supportive of our department and our programs.

1 [http://www.mountsinai.on.ca/about_us/renew-sinai](http://www.mountsinai.on.ca/about_us/renew-sinai)
The Division of Otolaryngology-Head & Neck Surgery at St. Joseph’s Health Centre (SJHC) is staffed by six otolaryngologists with special interest and expertise in neuro-otology, rhinology, facial plastic and reconstructive surgery, paediatric otolaryngology, and endocrine surgery.

Faculty members are Drs. Dustin Dalgorf, Rick Fox, Andres Gantous, Robert Josephson, Jack Kolenda and Ian Witterick. All members of the faculty hold appointments with the University of Toronto. Dr. Witterick continues to serve as chairman, Department of Otolaryngology-Head & Neck Surgery, University of Toronto.

Dr. Witterick was appointed president of the North American Skull Base Society. He also continues his work with the CSO. Dr. Gantous has been involved in various facial plastic surgery courses, both nationally and internationally. Dr. Kolenda has continued his work in endoscopic sialendoscopy.

This year marks the amalgamation of St. Joseph's Health Centre, St. Michael's Heath Centre and Providence Healthcare. The future potential of this merger has not yet been realized.

SJHC has maintained its tradition as a leader in the surgical and medical management of sinus and nasal disease. There are frequent visitors to the operating room to observe advanced sinus, rhinological, facial plastic and reconstructive techniques. Staff is involved with teaching university sinus and temporal bone courses, as well as resident preparation for Royal College exams.
St. Michael’s Hospital

Dr. Jennifer Anderson (Otolaryngologist-in-Chief)

St. Michael’s Hospital is in a period of transition with the completion of a new tower at Victoria and Queen to house the intensive care units, the operating rooms, medical imaging and other patient care units. This is on track and anticipated to be completed in 2018.

The new emergency room opened in the spring of 2017 with the move of the major area and trauma units to the new site. Further expansion to be completed by the fall of 2017 including a new entrance and ambulance access. Other patient care areas will move as the space is finished but there is no anticipated move of the Otolaryngology outpatient department. The department will remain in the same footprint on 8CC North however, the in-patient beds, currently on 15CC, will be moving back to 8CC South in the new year.

St. Michael’s Hospital has just completed a merger with St. Josephs Health Centre and Providence Healthcare which was approved by the Toronto Central LHIN and the Ministry of Health in the spring of 2017. This has largely been an administrative merger with no current efforts to integrate clinical departments or delivery of care. Nonetheless, this is a new enterprise with a single governing board and medical advisory committee which have just been formed in June 2017.

The Otolaryngology-HNS Department has maintained a clinical and research focus in upper airway disorders including laryngology and rhinology. Endocrine related surgery is also a priority. In keeping with the laryngology emphasis, the department has recently recruited a new faculty member, Dr. Jun Lin, who completed her residency at the University of British Columbia followed by a fellowship and Masters degree at the University of Pittsburgh. She will be starting the summer of 2017 with an emphasis in voice and swallowing disorders research.

Other department members include a new clinical associate, Dr. Tulika Shinghal and Dr. Theresa Holler is now a courtesy staff member who is currently on maternity leave.
The increasing healthcare pressure on Toronto Academic Health Science Network (TAHSN) hospitals in the past years have resulted in many challenges and opportunities. With increasing demand in cancer care and complex otology-skull base surgery, the department has created important linkages with community partners to divest its less complex (Primary-Secondary) procedures. In some instances, transferring of care to our community surgical colleagues was the most appropriate decision while streamlining the complex patient care pathway to the Sunnybrook HSC or the Odette Cancer Centre. More importantly, the official alignment with the Michael Garren Hospital and the Women’s College Hospital has created additional surgical resources for our members to achieve divestment of ambulatory tertiary care without compromising our referral base. Furthermore, funding enhancement to the Sunnybrook Cochlear Implant Programs totalling $2.4 M was a welcome relief to meet the current demand and wait time pressures.

Dr. Jean Davidson is to step down from her Sunnybrook and Women’s College Hospital commitments in June 2017. We would like to congratulate her on a successful career and her dedication to exemplary care for her patients. Her commitment to undergraduate teaching, the PBL course, and a focused career in surgical oncology, particularly in thyroid endocrine surgery have been very notable in Canada. She has served as a mentor for many female residents in training over the years. We wish her the very best in the next phase of her life.

Other notable events and accomplishments include:

Dr. Vincent Lin
- Sunnybrook AFP grant.

Dr. Danny Enepekides
- Leo Steven Award, Sunnybrook Leadership Award, 2017.
- Completion of the Rotman Advanced Health Leadership Program.
- Poster Chair for the 2018 American Head and Neck Society Annual Meeting.
Dr. Trung Le
- IMS appointment as an Associate Member, 2017.
- Award of Harry Barbarian Scholarship Fund.

Dr. Kevin Higgins
- Multicentre trial roll out: INSPIRE trial and HN 002.
- Centre-wide investigator-led trials 1) examining High intensity focused ultrasound (HIFU) and 2) stereotactic radiotherapy (SBRT) in the management of refractory head and neck tumours.
- Development of an electronic order entry and ERAS program for head and neck surgical patients, with outcome tracking with NSQIP surgical risk calculator and database.
- In partnership and collaboration with the Department of Dentistry, roll out of the extra-oral osseointegrated implant program which will allow 25 implant cases to be performed at SBHSC per annum.

Dr. Joseph Chen
- Completion of a 10-year term as the Otolaryngologist–in-Chief.
- Ontario Health Technology Advisory Committee (OHTAC) review in collaboration with Health Quality Ontario is on the way to establish funding position bilateral CI and CI for single sided deafness among other auditory implant related applications.

Dr. Andrew Dimitrijevic, PhD (Sunnybrook Cochlear Implant Laboratory)
- Andrew has set up his laboratory and currently carrying out experiments using our cochlear implant population. Collaborations have been established with Sickkids, Rotman Research Institute at Baycrest, the F. Thompson Anxiety Program at Sunnybrook, and the Faculty of Music at the University of Toronto. He has had two papers published (Frontiers in Human Neuroscience and Ear & Hearing), he has received a Harry Barberian scholarship and submitted an industry grant that would support a postdoctoral fellow.

Dr. Alain Dabdoub, PhD (Director, Sonja Koerner Inner Ear Regeneration Laboratory):  
- See page 134 of the Research Reports
Dr. Lorne Segall  
(Otolaryngologist-in-Chief)

The Division of Otolaryngology-Head & Neck Surgery at Trillium Health Partners comprises 10 members (Drs. Aman Grewal, Lorne Segall, Sandra Vojdovich, Glen Beard, Jeff Mendelsohn, Adam Toth, Karim Nazarali, Yvonne Chan, Janet Chung and Joe Chen).

We continue to be involved in undergraduate medical education at the University of Toronto. All 2nd year medical students of the University of the Toronto Mississauga Academy of Medicine (MAM) do their ASCM II teaching at Trillium Health Partners. In their third year, all students of the University of the Toronto Mississauga Academy of Medicine (MAM) do their clerkship rotations at the teaching clinic at Credit Valley Hospital. The teaching responsibilities are shared equally between all members of the division. Our division continues to score very well in the student evaluations.

Since June of 2015, residents in the Otolaryngology-Head & Neck Surgery program have rotated every three months at all our sites. I’d like to thank Drs. Aman Grewal, Janet Chung, Yvonne Chan, Adam Toth, Jeff Mendelsohn and Karim Nazarali for agreeing to supervise the residents.

Our division is strong and well respected both internally and externally.
Dr. Ralph Gilbert  
(Otolaryngologist-in-Chief)  

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.

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

Our otology/neurotology program continues its leadership in the management of vestibular disorders and innovations in care of patients with vestibular disorders. The Hearing and Balance Centre along with our Munk Hearing Aid Centre continues to provide strong clinical and academic programs. Dr. Pothier is providing leadership and clinical and academic innovation in minimally invasive ear surgery and is a highly sought after international speaker.

The Head and Neck Group including Drs. Brown, Chepeha, de Almeida, Gilbert, Goldstein, Gullane, and Irish, continues to be extremely productive both academically and clinically. Dr Irish was elected the President of the American Head and Neck Society and will serve as its president until the annual meeting in 2018. In addition, Dr. Irish and the Guided Therapeutics Group in Techna have been extremely successful in peer-reviewed grant support receiving an eight million dollar grant from the Terry Fox Foundation. The work in the GTx laboratory is focused on non-invasive techniques to facilitate treatment of head and neck tumors including thyroid cancer. Dr. Gilbert is the president of the International Academy of Oral Oncology, beginning his term in May 2017. The group has been extremely productive internationally with invited presentations and keynotes at the American Head and Neck Society, and numerous other national and international meetings.

The group has been very active academically with Drs. Chepeha, de Almeida and Goldstein continuing to lead our outcomes and translational research program.

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 four clinical and one research fellowship positions every year. These positions are highly sought after because of the strength of the clinical program at UHN.

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

The department is also indebted to our support staff under the remarkable leadership and skill of our manager Jamie Chong. We all look forward to another productive and enjoyable year.
OtoSim™ Lab
Paolo Campisi, Vito Forte

OtoSim™ has enjoyed another successful year thanks to the ongoing efforts of its team members and collaborators.

Dr. Vito Forte is now full-time CEO of OtoSim Inc. and also leads the ‘Hammers and Nails’ Program at the Hospital for Sick Children. This has resulted in a successful collaborative team involving engineering students from U of T as well as other programs across Canada.

Product development remains a key component of OtoSim Inc. We have introduced advanced self-learning software and remote teaching capabilities.

OtoSim™ Mobile, a novel simulator that can be used with any smart phone has now been developed and was piloted in pre-clerkship medical students at U of T in an education study funded by a Harry Barberian Scholarship. The study was co-supervised by Dr. Paolo Campisi and Dr. Allan Vescan and undertaken by Dr. Josie Xu PGY3, Armin Rahmani, Ragavan Ganeshathasan and Stephen Szeto, 3rd year medical students at U of T. Further studies conducted with residents and physician assistants are planned in the near future.

Development is well underway for OphthoSim. Both smart-phone based mobile simulators will bring another dimension to teaching otoscopy and direct ophthalmoscopy applying effective, efficient and affordable simulation to achieve a global impact.

Paediatric Voice Lab
Paolo Campisi

The Paediatric Voice Laboratory at the Hospital for Sick Children has been primarily involved in voice outcomes and epidemiological research. The laboratory collaborates with Jennifer Allegro and Laurie Russell, speech-language pathologists and Kim Simpson, research nurse. Recent and ongoing projects include:

A multicentre randomized-controlled trial that included Toronto, Boston, Milwaukee and Philadelphia was recently completed that compared two voice therapy approaches. The manuscript has been submitted for publication. More importantly, the collaboration has established a working model for future studies.

At the end of 2017, the laboratory will have 10-year follow up data on the incidence and prevalence of recurrent respiratory papillomatosis locally and nationally. The data will be collated in early 2018 and will represent the most robust population level study that will definitively characterize the impact of HPV vaccination on disease burden.

On the horizon are several new studies that will focus on exercise endoscopy, vocal fold dysfunction and other conversion disorders and voice outcomes after thyroidectomy in children.

Cochlear Implant Research Lab
Karen Gordon, Blake Papsin

The Cochlear Implant Laboratory at the Hospital for Sick Children continues to investigate auditory development and plasticity. We ask: 1) What aspects of auditory and vestibular development are arrested in children with hearing loss; 2) What changes in the auditory and vestibular system occur during the period of deafness; and 3) To what extent can auditory and vestibular plasticity and development be promoted by cochlear implant use? We are also interested in innovations in cochlear implant design and programming which seek to improve the resilience of the device as well as to preserve residual hearing and binaural cues. Our work is supported by research funding from the Canadian Institutes of Health Research along with the Cochlear Americas Chair in Auditory Development and generous
donations. Specific hypotheses which stem from these questions are tested through a number of studies currently underway.

Our team includes Carmen McKnight, our research project manager, and we welcomed Christina Lavallee, our research project co-ordinator, in May 2016. In August 2016, Dr. Vijayalakshmi Easwar completed her fellowship and Joshua Gnanasegaram successfully defended his M.Sc. thesis. In September 2016, we were joined by Dr. Homira Osman who graduated with her PhD and AuD (clinical audiology) from the University of Washington. She is working on delays that children with hearing loss have when responding to speech. Also, we have welcomed Daniel Smieja and Ashley Deonarain who are both in the MHSc program in the Institute of Biomaterials and Biomedical Engineering. Daniel is working on novel ways to process electrophysiological responses to sound and Ashley is exploring effects of hearing aid technology on binaural cues.

Dr. Easwar is a clinical audiologist who, while she was in our laboratory, compared responses to click stimuli in children with normal hearing to children who received bilateral cochlear implants simultaneously at young ages. Main results demonstrated that expected right hemispheric dominance was observed in both normal hearing and implant groups but several abnormalities in cortical processing were also revealed in the children with bilateral implants: 1) reduced contrasts between unilaterally and bilaterally presented stimuli; 2) reduced contralateral aural preference; and 3) reduced change in cortical activity with changes in binaural timing or level cues. These data resulted in two high impact publications (Journal of Neuroscience, Brain and Behaviour) this year and a third is in review in Brain Topography. Dr. Easwar also used the data logging capabilities of recent cochlear implant speech processors to assess children’s listening environments. She found that children are in noisy environments daily and for longer than adults. They are also exposed to music most frequently in their early years. She has also explored the role of listening exposure to speech perception outcomes. One paper has been published (Journal of the American Academy of Audiology) and another is in review (Journal of the American Academy of Audiology).

Joshua Gnanasegaram worked in collaboration with Dr. Sharon Cushing, and with present otolaryngology fellow, Dr. William Parkes, to investigate whether the vestibular system can be evoked by electrical stimulation from a cochlear implant in children. Results were encouraging, revealing evoked responses in a proportion of children with and without residual vestibular function and improved perception of vertical with cochlear implant stimulation. The results were recently published in two papers (The Laryngoscope, Frontiers in Integrative Neuroscience).

Melissa Polonenko, a clinical audiologist, continued to make great gains in her PhD thesis work. She is studying the use of bimodal hearing (acoustic hearing in one ear and electrical hearing through a cochlear implant in the other). She has received an impressive 12 major studentship awards including the Ontario Student Graduate Award and the prestigious SickKids Scientist-Training Program Award. This year she gave an invited keynote presentation at the Conference for Implantable Auditory Prostheses.

We have enjoyed the opportunity to work with a number of summer students over the past 2 summers: Jonah Gorodensky, Mark Sandor, Robel Alemu, and Simrat Gill (binaural hearing in children with hearing loss); Joshua Baitz (innovative recording of vestibular myogenic responses); Hayley Wilson (cortical activity in unilateral deafness) and Leanne Ruderman (vocational and social outcomes of implantation). We continue to have important collaborations both locally (Robert Harrison, Sharon Cushing, Adrian James, Ben Dunkley, James Rutka, Sandra Trehub, Susan Blaser, and Frank Russo), nationally (Sam Doesburg) and internationally, with Robert Cowan. The past year has been very productive: 17 publications came out or are in the press. Between this summer and last, we collectively presented over 11 abstracts at international meetings and gave more than two dozen invited talks internationally.

Some highlights from the past year include: two invited talks at the Conference on Implantable Auditory Prostheses (Gordon, Polonenko); 11 student awards including two fellowship training awards for Homira Osman (Restracom and Centre for Brain and Mental Health), a graduate studentship award for
Daniel Smeija (Restracomp) and three travel awards for Melissa Polonenko. Karen was also elected to co-chair the 2019 Conference on Implantable Auditory Prostheses.

Auditory Science Lab

Robert V. Harrison

The mission of the Auditory Science Laboratory is to increase our knowledge about the complex biological mechanisms that allow us to hear and to understand the exact nature of hearing deficits. This new knowledge may lead to improved strategies for prevention, diagnosis and remediation of hearing disorders. The laboratory has now been a part of the university Department of Otolaryngology-Head & Neck Surgery for 33 years. Funding for our studies continues from CIHR and from supplementary small grants.

We use a wide range of research tools to explore the structure and function of the pathological inner ear, as well as the developmental plasticity of the auditory brain. Our electrophysiological techniques include measurement of single neuron response properties in auditory midbrain and cortex. We also use evoked potential and otoacoustic emission research in human subjects and in animal models.

In our anatomical studies, we make histological evaluations of the inner ear with light and electron microscopy. In recent years we have mastered corrosion cast studies of vascular structures in the inner ear. Our most recent study was on the capillary network of the stria vascularis in an animal model of cytomegalovirus (CMV) infection. This work was part of PhD thesis research by Mattia Carraro; he graduated in the fall of 2016, and has moved on to a post-doctoral fellowship at Stanford University. Our CMV study was in collaboration with Dr. Albert Park and colleagues at the University of Utah. The research was supported, in part, by a Barberian scholarship award, and was published this year in the Journal of the Association for Research in Otolaryngology (JARO).

The scanning electron micrograph above shows the hearing organ (equivalent to a mammalian cochlea) in the lizard. Why are we interested in this animal model? Well, the lizard has some very robust otoacoustic emissions, and we are attempting to see what structural features of the hearing organ (basilar papilla) could account for otoacoustic emission waveforms. This project is a collaboration with Professor Chris Bergevin at York University. The project is just starting and is very exciting.

This past year has also been productive for our project manager Jaina Negandhi. She has been working on projects ranging from recording ABRs in animal models as well as studying auditory midbrain activity patterns with c-fos labeling. She has also made extensive use of immuno-labeling techniques to assess neural activity (excitatory and inhibitory) in central auditory pathways. This project has been supported by a Barberian scholarship grant.

All in all we have had a very productive year, and I give sincere thanks to all those who have collaborated in the Auditory Science Laboratory.

(For more information check out our website: https://lab.research.sickkids.ca/harrison)
Guided Therapeutics (GTx) Research
GTx-Program Clinical Lead:
Dr. Jonathan Irish
GTx-Program Manager:
Celeste Merey, PEng

The GTx Surgery Program, part of UHN’s Techna Institute, supports activities in head and neck, skull base/neurosurgical, thoracic and sarcoma cancer surgery with active research and development, as well as translational clinical trials, in all four clinical areas. The objectives of the GTx Surgery Program are to:

- develop innovative imaging technologies for guiding therapies such as 3-D imaging, molecular imaging, computer-assisted surgery
- integrate robotic surgical therapies into the treatment of cancers
- evaluate the effectiveness of new imaging and ablative technologies when they are applied to both traditional and new treatments

Through the research activities of a multi-disciplinary team, including clinician-scientists, surgical fellows, engineers, physicists, and computer programmers, innovative technology is translated from the bench top (GTx Lab at the Princess Margaret Cancer Research Tower) to bedside (the GTx operating room (OR) at the Toronto General Hospital, site of The Princess Margaret’s Surgical Oncology program).

Within the GTx OR, a new study was completed, involving the expansion of our in-house built 3D image guided navigation system as applied to head and neck cancer ablation surgery. In this study we developed a new technology which allowed 3D navigated mandibular osteotomies to be performed on a mobile mandible, with no need for jaw fixation or the use of invasive registration tracking tools. This mobile mandible technology combines 3D virtual imaging navigation and continuous real time recording, allowing pre-operative planning of surgical cut planes and precise execution of these planned cuts. The device was designed, manufactured and tested iteratively using multiple cadaveric studies. The study was then translated into a clinical trial, performed in the GTX OR. We hope that in the future this will improve post-operative functional and reconstructive outcomes, as well as reduce flap ischemia time and post-operative complications. Trial results are being drafted for publication.

This year our research in partnership with Dr. Jay Wunder and Dr. Peter Ferguson at Sinai Health System prompted further development of our in house platform: GTx Eyes. Upon completion of a clinical trial in sarcoma surgery, we began a new development endeavour to remove the dependency of our software on 3D Cone Beam CT images. Our goal is to refine GTx Technology, such that it can
accommodate clinical studies involving more complex bony procedures within the Sinai Health System operating suites.

Our research teams continue to strive towards initial clinical applications of porphysomes (invented in the UHN lab of Dr. Gang Zheng). These nanoparticles are non-toxic and multifunctional, providing a variety of cancer imaging and treatment functions. We focus on prostate and thyroid cancer for which there is a need for minimally-invasive, safe and effective destruction of tumours as an alternative to either watchful waiting (that risks progression to invasive and metastatic disease) and radical treatments (radiation, surgery) that carry risk of side effects impacting quality of life. In addition, we will use porphysomes and associated novel imaging technologies to detect and stage premalignant lesions (dysplasia) in the esophagus so they can be removed endoscopically without the need for highly invasive surgery.

The GTx Surgery Program At-A-Glance:

*Data as of April 2017*
Head & Neck Translational Program

Fei-Fei Liu

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

Each year, our team publishes over 100 peer-reviewed publications in leading scientific journals. Our program is delighted to recognize the exceptional contributions made by our research trainees. Dr. Xiao Zhao, a MD/PhD candidate supervised by Dr. Fei-Fei Liu was recently awarded the Harry Barberian scholarship, a Canadian Institutes of Health Research (CIHR) Fellowship and the prestigious CIHR Vanier Canada Graduate Scholarship to support his research in radiation injury repair. Prior to that, his efforts have led to our program being awarded a number of highly competitive research grants, including Canadian Cancer Society Research Institute (CCSRI) Innovation Grant, and the Physician Services Incorporate Research Grant. To date, he has accrued close to a quarter of a million dollars of funding for our program.

One of the highlights of our program this year was our receipt of a grant worth over one million dollars from CIHR. Recently, we identified 4 microRNAs whose abundance within primary nasopharyngeal carcinoma (NPC) tissues can predict an individual patient’s risk of developing distant metastasis (DM) after initial treatment. Since DM is a major cause of death in NPC patients, we aim to develop the most informative, integrated tissue signature by incorporating miRNA, transcriptomic and genomic data. In addition, we intend to elucidate the biological mechanisms underlying the biomarkers to deduce their roles in tumour development, metastasis and response to therapy. Apart from being clinically impactful, this work will aid in the identification of novel therapeutic targets and advance our goal of personalized cancer therapy for NPC patients.

Neurotology and Vestibular Research

David Pothier, Philip Gerretsen and John Rutka

We have continued to expand our clinical based research at the University Health Network in neurotology in conjunction with the Hertz Multi-disciplinary Neurotology Program.

Dr. David Pothier continues to be the Research Coordinator who works closely in conjunction with Dr. Philip Gerretsen from the Department of Psychiatry at the University of Toronto primarily in the field of somatoform disorders including catastrophization. Drs. Pothier and Gerretsen are in the process of validating the University of Toronto Catastrophization Score for dizziness which is anticipated to be a major advance in the clinical management of patients with significant functional overlay. Dr. Pothier continues to be a much sought after speaker in the field of endoscopic ear surgery and the development of new instruments for this technique. He continues to study the role for endoscopic tenotomy surgery in the treatment of Meniere’s Disease.

Dr. Rutka continues in his role as the co-director of the UHN Centre for Advanced Hearing and Balance Testing, the Hertz Multi-disciplinary Neurotology Clinic and as the Provincial lead for the Workplace Safety and Insurance Board (WSIB) and the Workplace Safety and Insurance Appeals Tribunal (WSIAT). Dr. Rutka’s research projects have included an analysis of mega data from the WSIB Neurotology Head Injury Data Base and the UHN gentamicin ototoxicity data base.

In 2016-2017 there were two formal research assistants, Dr. Ophir Ilan and Dr. Fatema Hassan-Nia who were responsible for much of the above work.
Head & Neck Surgical Research

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

Research at the University Health Network takes place across the three sites, with the majority of research occurring between the Toronto General Hospital and Princess Margaret Cancer Centre. The two major research programs are the head and neck oncology program and the otology/neurotology program. The surgeon investigators for the head and neck oncology program have affiliations with both the Ontario Cancer Institute and the Toronto General Research Institute. The research program is a multidisciplinary program with local, national and international collaborations. The research program has 4 major themes:

1. Guided therapeutics program whose work is covered in a separate report.

2. Clinical outcomes research in head and neck oncology and reconstructive surgery. Outcomes research includes clinical trials and 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.

3. Basic science and translational research program is a multidisciplinary program that involves radiation and medical oncology, pathology, and basic science labs. Research includes proteomics, genomics, stem cell research, and molecular epidemiology. A large focus of the program is on the identification and assessment of biomarkers in the treatment of head and neck cancer.

4. Health services research with a focus on quality of care and cost-effectiveness.

Notable research achievements this past academic year include the securing of two major grants; a Surgical Oncology Innovation Fund Grant by Dr. de Almeida for his trial on the role of transoral robotic surgery in the unknown primary squamous cancer of the head and neck (FIND trial) and an MOH AFP grant by Dr. Chepeha on an oral biofeedback trial for patients with oral cavity cancer. The active surveillance for low risk thyroid cancer study is continuing to recruit patients with plans for expansion to other academic sites.

There continues to be successful enrollment of patients with head and neck cancer to the multi-disciplinary prospective head and neck translational research program with biobanking of blood and tissue specimens on most new cancer patients seen at the Princess Margaret Cancer Centre. In addition there has been the development of a window of opportunity trial for immune therapy agents headed by Dr. Lillian Siu. The head and neck radiomics research program is growing with new studies in development. This academic year has also seen the introduction of a thyroid cancer clinical and translational research group with representation from surgical oncology, radiation oncology, radiology, pathology and endocrinology. The goal of these meetings is to develop trials and translational studies for thyroid cancer.

research program. In the 2016-2017 academic year, the UHN surgeons had over 40 peer-reviewed publications.
There are a variety of clinical and basic science research projects planned or underway at SHS in rhinology, anterior skull base, endocrine, oral malignancy, education, simulation and quality/safety. The rhinology/anterior skull base projects include the development of quality indicators for chronic rhinosinusitis, validation trials of a sinus/skull base simulator and continuing validation of a skull base quality-of-life instrument. Patient education videos and other quality indicators (e.g. thyroid) have also been foci of our research.

Our head and neck oncology research is concentrated on applying proteomic findings and novel digital imaging technologies to develop biomarker based algorithms that can be used in early detection, screening and risk assessment of oral pre-cancers and cancer. The goal of this research is to develop better cancer diagnostics based on protein expression in oral dysplastic lesions for stratifying risk of cancer development.

Our efforts are focused on unraveling the molecular mechanisms involved in malignant transformation of oral epithelial dysplasia using in vitro and in vivo experimental models. We are developing oral cytosmears for protein biomarker analyses for widespread use and screening. In addition, we are using a protein expression-based risk classifier to predict recurrence-free survival in oral squamous cell carcinoma which we hope will facilitate patient counseling and “personalized” treatment. We also continue to study molecular therapeutics for oral cancer with two novel small molecule inhibitors.

Endocrine oncology research focuses on applying proteomic findings we have identified to develop biomarker based algorithms for improving thyroid cancer diagnostics on fine needle aspiration biopsy (FNAB) samples. To date our results are promising on histopathology specimens in distinguishing benign from malignant thyroid nodules. Further validation in prospective pre-operative FNAB samples is in progress. We are also examining how protein biomarkers, principally Programmed Death-Ligand 1 overexpression, predict for thyroid cancer aggressiveness and whether specific immunotherapy has any role in therapy.

Dr. Monteiro and other faculty in the department mentored three residents who won category prizes for their research at our university department’s annual resident research day held April 28, 2017. Congratulations to Dr. Frédérick Laliberté (PGY2) for his paper on “Post-operative Narcotic Use in Otolaryngology Patients”, Dr. Yael Bensoussan (PGY3) for her paper on “Optimizing Patient Surgical Experience: A Web-based Tool to Improve Recall of Information and Patient Satisfaction for Thyroid Surgery” and Dr. Jonathan Yip (PGY4) for his paper on “Quality Indicators in Acute and Chronic Rhinosinusitis”.

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Voice and Upper Airway Laboratory

Jennifer Anderson

Two projects were completed over an 18-month period and were published successfully in 2016. The first was a combined project with the Faculty of Music on the effects of external vibration in singers which was presented at Fall Voice 2016 (San Diego, October 14, 2016). The manuscript is currently under review for publication. Further investigation is planned on the effects of external vibration in patients with muscle tension dysphonia, also a randomized, controlled study.

Dr. Dulani Mendis, the graduating Laryngology Fellow from 2016 successfully published our institutional review on blunt laryngeal trauma.

One of our trainees, Dr. Yael Bensoussan along with the laryngology fellow, Dr. Richard Townsley, performed a two-year institutional audit on the first 150 cases of outpatient KTP laser procedures performed at St. Michael’s Hospital Voice Centre. The purpose was to review patient safety and tolerance for these procedures. This was presented at the Canadian Society Meeting in Saskatoon in June 2016 with the manuscript in preparation for publication.

Dr. Townsley also presented a study done in collaboration with Medical Imaging on “Dynamic CT Scan in Vocal Fold Paralysis: Usefulness in Thyroplasty” at COSM in San Diego. The manuscript has been submitted for publication.


Grants

2015-2017

External Vibration Therapy: Randomized controlled trial of treatment for Muscle Tensions Dysphonia ($10,900.00 AFP Innovation Grant awarded 2015 continued).

2016 -2017 Education Research

Investigating Organizational Drivers of Resident Fatigue

AFP Innovation Grant $21,972.00

Investigators: Drs. Julie Maggie, Najma Ahmed, S Edwards and Molly Zirkle

This study seeks to identify the organizational influences that drive and mitigate fatigue in residents rotating through three distinct units within a large academic health sciences centre. Using text analysis, interviews, and ethnographic observation, we will conduct an institutional ethnography on resident fatigue in three units located in a large urban academic-teaching hospital. The findings and their dissemination, locally and nationally, will serve as an important step in the evolution towards comprehensive and contextually appropriate fatigue-management strategies.

Current Phase:

Investigating organizational drivers of resident fatigue. This study uses an ethnographic approach to understanding the work life of residents in an academic hospital on three different services (medicine, psychiatry, and surgery) working regular hours and on call. The study has completed the initial field work, which is currently being analyzed for
emerging themes. The second phase of faculty focus groups is in development with an interview guide being created that is informed by the resident ethnography. The study has REB approval to May 2018

Rhinology Research

John Lee

2016-2017 marked an extremely productive year for rhinology research at St. Michael’s Hospital. I am incredibly indebted to the hard work of our resident and medical school trainees who have taken an interest in rhinology and continue to help drive our academic mission. Additionally, I want to thank our research coordinator William To who helps coordinate our many ongoing projects.

Some highlights from this past year:

1. A total of eight manuscripts were published this past year on topics ranging from CSF leak repair, septal cartilage tissue engineering and the psychological morbidity of waiting for sinus surgery. Several of these papers were published in high-impact Otolaryngology journals including the Laryngoscope, the International Forum of Allergy and Rhinology and also Neurosurgical Review.

2. Dr. Jonathan Yip (PGY-4) had two poster presentations at both the Fall and Spring American Rhinologic Society Meetings. He presented his work on reviewing outcomes of the endoscopic modified Lothrop procedure as well as the use of omalizumab for patients with AERD.

3. Dr. Weibo Ho (PGY-3) had a scientific oral presentation at the Canadian Society of Otolaryngology-Head & Neck Surgery Annual Meeting on the effect of wait times on outcomes following endoscopic sinus surgery.

4. Vincent Wu (Queen’s medical student) had a scientific oral presentation on sinonasal quality of life following trans-sphenoidal surgery at the North American Skull Base Society Annual Meeting. Additionally, he had a poster presentation on maxillary sinus inverted papillomas at the CSO-HNS meeting.

The sinus and nasal physiology lab continues to recruit patients in a prospective fashion to investigate the role of nasal nitric oxide as potential biomarker of chronic rhinosinusitis. Additionally, several prospective trials are currently ongoing and we are actively recruiting patients. We hope to present some of this data in the upcoming academic year.
Auditory Development & Regeneration

Alain Dabdoub

We continue to successfully build a comprehensive basic research and translational medicine platform, developing pre-clinical animal models and organ culture systems including tissue donated from surgical patients. Our aim is to advance precision medicine to bring novel molecular insights and technologies to ameliorate hearing and balance disorders.

We are significantly advancing our studies in Wnt and Notch signaling pathways for sensory hair cell development and regeneration. We have also been successful at utilizing cellular reprogramming for endogenous regeneration of auditory neurons using a pre-clinical mouse model of neuropathy. Building on our previous work, we developed and advanced our studies into elucidating the molecular foundations of the blood-labyrinth barrier in the inner ear. This will lead to unlocking mechanisms of non-invasive delivery of therapeutics to the inner ear through the vasculature.

In addition to our peer reviewed publications, we presented our work this year at the International Society for Developmental Biology meeting in Singapore and the Association for Research in Otolaryngology meeting in Baltimore, USA, as well as local meetings.

Our work is funded by the Canadian Foundation for Innovation; Canada First Research Excellence Fund; Medicine by Design; the Hearing Restoration Project – Hearing Health Foundation and by the Koerner Foundation.

Cochlear Implant Program (CIP)

Vincent Lin, Julian Nedzelski, Joseph Chen

2016–17 has been a significant period of growth for the Sunnybrook CIP with the addition of two new recruits: Dr. Andrew Dimitrijevic, PhD who was appointed the research director of the CIP. Andrew relocated to Toronto from the University of Cincinnati with expertise in electrophysiology. His major foci include objective measures through brain responses, particularly in the context of listen effort, visual-auditory interaction, music perception and tinnitus. His lab is supported by the department under the Brain Science Platform. His lab is also supported by research fellows, students and a research assistant. The second recruit is Dr. Trung Le, MD, PhD. Trung hails from the University of Manitoba with MD and PhD degrees with a focus in molecular biology. He completed his residency training in Manatoba followed by a research fellowship at the University of British Columbia. He completed his clinical fellowship at Sunnybrook and came on staff in January 2017. Trung’s clinical focus is otology and cochlear implantation. His research focus adds a new dimension to the Sonja Koerner laboratory in hair cell regeneration. He is focused on developing targeted therapeutics with magnetic push/pull systems in conjunction with nanoparticles and stem cells. This is an extremely exciting area of research to complement the existing expertise in inner ear regeneration. We look to add to the research group with new post-doctoral fellows, graduate students and a research assistant very soon. It is important to acknowledge an additional $2M gift from the Koerner Foundation in support of this unique Canadian initiative.

On the clinical side, Dr. Chen has been instrumental in bringing funding enhancement to Toronto both for the adult and the paediatric programs through the wait time initiative, totaling more than $3.1M. The funding is linked to various performance metrics and practice guidelines. An Ontario Health Technology Advisory Committee (OHTAC) review in collaboration with Health Quality Ontario is on the way to establish a position paper through cost-effectiveness analyses on appropriateness of bilateral CI and CI for single sided deafness among other auditory implant related
applications. Dr. Vincent Lin successfully completed his Triological thesis and was admitted to the Triological Society in May 2017. His thesis on the Deaf MoCA as a cognitive assessment tool is a very important and topical subject with global attention on the pervasive effect of dementia. This tool is being adapted in multiple languages and used by many large centres worldwide. It is to be converted into an App in the coming year for a much wider distribution and impact.

**Neurotology & Otology Research**

**Joseph Chen, Julian Nedzelski, Trung Le, Vincent Lin**

Ageing & Dementia: The first part of our Hearing Impaired Montreal Cognitive Assessment validation study in cognitively intact individuals (both normal hearing and hearing impaired) was completed and was published as part of Dr. Vincent Lin’s Triological Thesis.


We continue to collect data on using the HI-MoCA on a group of patients with mild cognitive impairment which forms the final aspect of our test validation. We are also in the midst of developing an app-based version of the HI-MoCA which will allow more ease in test administration. We have also begun to collaborate with our colleagues in Quebec to start the development of the French HI-MoCA.

Our dementia research and collaboration with the Division of Neurology (Drs. Sandra Black and Mario Masellis) continues. We recently completed a study looking at post-anaesthesia effects on cognition in our elderly cochlear implant recipients. We also continue to monitor our elderly cohort of patients with more cognitive screening and assessments.

Rehab: We were the recipient of a generous AFP grant which allowed us to develop a cochlear implant rehab app which is currently being tested on a cohort of recently implanted patients. Our hypothesis is that structured rehab, even given via app form, can improve patient performance and outcomes.

Pharmacology: Our centre was part of the Otonomy-104 trial. We were the largest recruitment centre for the Canada wide trial for patients with Meniere’s disease. The trial is nearing completion and preliminary data suggest Oto-104 could be a very useful adjunct treatment for patients with severe Meniere’s disease.

We have also begun the process of starting a second trial of a new Intratympanic medication for the treatment of sudden sensorineural hearing loss. This trial is tentatively scheduled to start recruitment in the fall of 2017.

CI-CROS: This product has finished testing and will be commercially available starting this summer from Advanced Bionics. This product development and testing is a perfect example of how industry and our cochlear implant centre can seamlessly work together towards inventing and developing new products to help our patients with hearing loss. A third and final paper has been written and submitted for publication.

**Head & Neck Research**

**Danny Enepekides, Kevin Higgins**

**IRX-2 2015A INSPIRE Trial**

A Randomized Phase 2 Trial of Neoadjuvant and Adjuvant Therapy with the IRX-2 regimen in Patients with Newly Diagnosed Stage III or IVA Squamous Cell Carcinoma of the Oral Cavity

IRX-2 is a primary cell-derived biologic with multiple active cytokine components, produced under pharmaceutical standards from phytohemagglutinin (PHA) and ciprofloxacin stimulated donor mononuclear cells. This phase 2b study in head and neck squamous cell carcinoma (HN SCC) patients further investigates neoadjuvant therapy with IRX-2 regimen in a randomized trial. The objectives are to determine if event-free survival (EFS) of subjects treated with Regimen 1 is longer than for subjects treated with Regimen 2 and to compare the safety and feasibility of each regimen. Opened to accrual on
May 23rd 2017, we are still actively seeking patients at this time. Project is ongoing/active.

**NRG-HN002**

**A Randomized Phase 2 Trial for patients with p16 positive, non-smoking associated, loco-regionally advanced oropharyngeal cancer**

This is a phase II multicentre randomized study. Patients with p16 positive, non-smoking, locoregionally advanced oropharyngeal cancer will be enrolled in the study and randomized to receive either 60cGy/30 fractions in 6 weeks with weekly cisplatin or 60cGy/30 fractions in 5 weeks. Efficacy of the arm will be determined by 2 year progression free survival rate of greater or equal to 85% without unacceptable swallowing toxicity at 1 year. This study has mandatory and optional biospecimen collection and questionnaires. Opened to accrual on March 18th 2016 and closed on Feb 7th 2017, two patients were recruited and they are currently on trimester follow-ups for two years. Project is ongoing/active.

**Web-based Tool for Thyroidectomy**

**A Web-Based Tool to Improve Perioperative Patient Experience for Patients Undergoing Thyroidectomy**

In our era of patient centred care, this study sets forth to develop a user-friendly website to improve perioperative care, patient communication, and increase the overall satisfaction of our patient population. We know that patients, having just received a new diagnosis in a clinic setting, can be overwhelmed by all the information they receive from their physician. This web-based tool will serve as a reliable scientific resource, providing high quality, easy to understand information on diagnosis, the basic steps of the surgery, as well as the pre-operative and post-operative care for patients undergoing a partial or total thyroidectomy. This study serves to assess the impact of this tool on the satisfaction of our patients undergoing thyroidectomy. Patients are randomized into three groups A, B, or C depending if they receive just the standard verbal consent, addition of the web-based tool, or addition of both the web-based tool and a paper pamphlet. This study is REB approved and the first few patients have been recruited. Project is ongoing/active.

**Low risk Papillary Thyroid Cancer**

**A Novel Active Surveillance Approach to the Primary Management of Low Risk Papillary Thyroid Cancer**

Canadian thyroid cancer incidence rates doubled over recent decades with 5700 cases diagnosed in 2013. Most of the increase is attributed to increased detection of small papillary thyroid cancers that have a very low risk of spread or death (VL-PTC). Current treatment of PTC involves thyroidectomy and often life-long thyroid hormone treatment and radioactive iodine. Recent Japanese studies suggest that active surveillance (AS) of VL-PTC, which involves close follow-up and proceeding with thyroidectomy if there are signs of cancer progression, is safe and effective. This is a two-phase study where the goal of phase 1 is to determine the percentage of VL-PTC patients who choose AS over surgery and the reasons for their treatment choice. Phase 2 evaluates decision regret at one year in VL-PTC patients who completed phase 1 and either underwent AS or surgery. This study has been submitted to the REB office and we are waiting for approval. Project is pending REB approval.

**ACS NSQIP Risk Calculator**

**Limited Predictive Value of the National Surgical Quality Improvement Program Risk Calculator for use in Head and Neck Oncology Surgical Patients**

The universal surgical risk calculator, created by the American College of Surgeons National Surgical Quality Improvement Program (ACS NSQIP), was developed as both a surgical aid and informed consent tool, to improve the decision-making process. The risk calculator uses 19 comorbidity and demographic-related patient-specific metrics, including age group, gender, smoking status, functional status and body-mass index, in conjunction with the surgery specific Current Procedure Terminology (CPT) code, to predict a patient’s likelihood of developing 12 postoperative outcomes. Recently this web-based system has been evaluated in several surgical subspecialties including head and neck, gynaecology, gastroenterology, orthopedics and general surgery with varying results. Despite several publications on the risk calculator, there has been little validation in Canadian institutions. We aimed to provide the first comprehensive evaluation of the risk calculator for
head and neck surgery in a Canadian setting by assessing its accuracy in predicting complications secondary to six head and neck procedures. Our results suggest that the risk calculator has strong accuracy in predicting complications for surgeries without free flap reconstruction but provides limited benefit for surgeries with. We concluded that judicial use of the tool is critical to its inclusion in otolaryngology practice. Recently, Dr. Kevin Higgins presented on the results of this study at the Canadian Society of Otolaryngology-Head and Neck Surgery 71st Annual Meeting. The manuscript is currently being written with an expected publication date of mid to late 2017. Project is ongoing/active.

**SPY**

**Intraoperative Evaluation of Head and Neck Reconstruction Using Laser Assisted Fluorescent Dye Angiography, A Case Series**

Laser assisted fluorescent dye angiography (LAFDA) is a novel technique utilizing the excitability of an injected dye (indocyanine green –ICG) to evaluate microvascular tissue in real time. LAFDA technology is proven to be extremely useful for objective evaluation of mastectomy skin flaps, perforator identification and post-anastomosis perfusion of free tissue transfers. In the setting of head and neck, our case study aims to evaluate LAFDA is assessing post-laryngectomy pharyngectomy pharyngeal mucosa and regional/free flap perfusion in head and neck cancer surgery/reconstruction and correlate with rates of postoperative wound complications. We have recruited more than double the number of patients from last year’s report of the initial seven (n=7) patients to a total of now fifteen (n=15) patients. We continue to emphasize the use of LAFDA in select head and neck reconstructions, specifically, in situations where flap perfusion is questionable by standard techniques, surgeon suspicion of compromised perfusion is high, need for complex flap design, and/or in a post-radiation setting. Project is complete.

**ALT**

**Motor and Sensory Donor Site Morbidity Associated with the Anterolateral Thigh Perforator Flap: A Pilot Study**

Anterolateral thigh (ALT) free flap remains one of the most commonly used flaps in head and neck construction. Understanding the functional outcomes associated with donor site morbidity is limited by a lack of robust clinical data. The impact of the lateral femoral cutaneous nerve sacrifice, motor nerve sacrifice, and disruption of vastus lateralis is also unclear. Objective and subjective methods are implemented pre-operatively and post-operatively for patients over six months and one year time intervals for data accrual. Current data suggests minimal donor site morbidity, reduced sensation of the ALT, thigh strength not statistically different, and some impairment for patients undergoing musculocutaneous dissection. Patient recruitment is complete and a final manuscript has been written and submitted to *The Laryngoscope*. We are in the process of waiting for their feedback. Project is complete.

**Hypopharynx**

**The Role of Collagen Markers Upon Outcomes of Hypopharyngeal Cancer. A Retrospective Study.**

Hypopharyngeal cancer is a relatively rare cancer that occurs in the neck. There is an age standardized incidence of 0.63 per 100,000 patients in the U.K. When diagnosed, it carries a considerable burden to patients causing not only symptoms in the way of difficulty eating and speaking but also sometimes breathing. 5-year survival is poor with mortality as low as 30%. Eighty percent of patients present late. We are hoping to develop the largest database of hypopharyngeal cancer in the medical literature to date in collaboration with research teams in the UK and UHN. From this we intend to develop an idea of the natural presentation and history of the condition. Additionally, we propose building a database of tissue from included patients and comparing presence of tissue biomarkers (i.e. creating tissue micro arrays – TMAs to examine cancer associated fibroblasts, CAFs, promoting malignant cancer transformation) with patient survival outcomes, so to develop an idea of whether patient prognoses can be predicted or correlated to tissue markers. Project is ongoing/active.
Fistula

Association of Pharyngocutaneous Fistula on Locoregional Control in Laryngectomy Patients: A Multi-Institutional Collaborative Study.

Over 1,000 cases of laryngeal cancer will be diagnosed in Canada in 2016, with approximately 400 being of advanced stage. Despite significant developments in treatment, survival following laryngectomy in patients with this devastating disease remains poor with an overall 5 year survival of approximately 50% for advanced stage laryngeal glottic cancers. Very few studies have examined the impact of post-operative infection on laryngeal cancer recurrence and survival with those that have been published remain controversial. Pharyngocutaneous fistula, the most common complication of laryngectomy, results in a robust local inflammatory reaction and may serve as a model for examining the effect of inflammation on altering tumour biology. To date, no study has examined the association of pharyngocutaneous fistula with locoregional and distant control. The main objective is to determine if pharyngocutaneous fistula following total laryngectomy is associated with an alteration in locoregional control and distant metastasis. We hypothesize pharyngocutaneous fistula following total laryngectomy is associated with an increased risk of recurrence and distant metastatic failure, independent of cancer stage. This study has been REB approved. We are currently collaborating with the UHN research team to create a Research Electronic Data Capture (REDCap) to facilitate data entry and management. Project is ongoing/active.

Parotid Metastases

Staging Cutaneous Squamous Cell Carcinoma Metastases to the Parotid Gland

The staging of cutaneous squamous cell cancers (cSCC) was revised by AJCC to incorporate known prognostic factors and expand the N category. The aim for this study was to validate this staging system using a North American cohort retrospectively collected from three separate institutions in Canada. This study focused on parotid cSCC metastasis and compared it to major salivary gland staging and the O’Brien P and N staging system, for the purpose of elucidating the most appropriate considerations for staging. Data accrual implies patients with cSCC metastasis to the parotid gland had good survival despite presentation with advanced disease, likely due to adjuvant radiation therapy. cSCC staging in the setting of parotid metastasis is found to be, despite its limitations, the most reliable predictable staging system available. The manuscript was successfully published in The Laryngoscope (https://www.ncbi.nlm.nih.gov/pubmed/28295401) Project is complete.

Other Completed studies

- Heat and Moisture Exchanger Use Reduces In-Hospital Complications Following Total Laryngectomy: A Case-Controlled Study.
- Diagnostic Performance of Perfusion and Diffusion MR Imaging to Detect False Positive Rates of 18F FDG-PET-CT in Patients with Oropharyngeal Squamous Cell Carcinoma after Definitive Treatment.
- Radiologic Differences between Human Papillomavirus (HPV)-related Compared to HPV-Unrelated Oropharyngeal Carcinoma on Diffusion Weighted Imaging.
- Pilot Project to Assess the Feasibility, Acceptability and Impact of Cancer Care Ontario’s Psychosocial Oncology & Palliative Care Pathway embedded into the outpatient care of patients with Head and Neck Cancer in the Odette Cancer Centre.
- A randomized phase II trial for patients with p16 positive, non-smoking associated, locoregionally advanced oropharyngeal cancer.
- A Phase III Randomized Trial of MK–3475 (Pembrolizumab) versus Standard Treatment in Subjects with Recurrent or Metastatic Head and Neck Cancer.
- A randomized phase II trial for patients with p16 positive, non-smoking associated, locoregionally advanced oropharyngeal cancer.
• Efficacy of Optically-Guided Surgery in the Management of Early-Staged Oral Cancer.

• A randomized, double-blind, placebo-controlled, phase III study to evaluate the efficacy and safety of afatinib (BIBW 2992) as adjuvant therapy after chemo-radiotherapy in primary unresected patients with stage III, IVa, or IVb locoregionally advanced head and neck squamous cell carcinoma.

• A randomized, double-blind, multicentre, Phase III study of everolimus (RAD001) plus best supportive care versus placebo plus best supportive care in the treatment of patients with advanced NET of GI or lung origin.
Canada International Scientific Exchange Program (CISEPO)

Arnold Noyek, OC, MD, FRCSC, FACS

CISEPO has garnered over 30 years of global health and health diplomacy experience with MSH-SHS and University of Toronto Faculty of Medicine affiliated innovative projects and programs in medical education. The CME and CPD multidisciplinary programs were at the root of our efforts to build bridges of understanding and coexistence initially in the Middle East, and the regional groundwork has since led to a remarkable globalization in support of Canadian led initiatives.

The CISEPO model of health diplomacy aims to use health as a framework to ensure the development of social and professional ecosystems. This Canadian model, as societal impacts direct its progress, enables us to utilize the common language of transnational health benefits to engage our diverse colleagues and to have global implications for now and in the long term future.

CISEPO’s activities and various other confidence-building measures have created a Canadian role model for peace building, which can be replicated in other professional settings. CISEPO’s peace building starts off with a common language of need and there is nothing more common and basic to humanity than healthcare based on principles of coexistence, equality, mutual respect, transparency with the highest standards of personal behaviour and professional comportment.

Humanitarian outreach for CISEPO is focused on developing strategic and productive partnerships so that we can support and facilitate knowledge transfer through global knowledge and cooperation networks which leads to the strengthening of health systems in developing and developed countries, capacity building and advancing the role of Canada in promoting and fostering these initiatives.

In 2017 we continued our global work in 44 countries including a focus on several key cross border collaborative initiatives in Kenya, Tunisia, Ethiopia, Afghanistan, Uganda, and the Middle East. We heavily rely on telemedicine for global knowledge transfer within our networks, and are using the CISEPO model to develop and support locally driven projects that address specific and multidisciplinary health care needs.

In addition to our international outreach, we design and support reciprocal training programs here in Canada for accredited training and education of international physician fellows. On completion of the training, our CISEPO fellows return home with a higher level of professional development which allows them to address the local health care needs of their own countries and neighboring countries within the CISEPO network that lack their expertise.

CISEPO is privileged to work with experienced partners both abroad and at home such as our esteemed colleague Dr. Peter Adamson and his colleagues, and we are able to come together to demonstrate the vision, commitment and long-term thrust of the Department of Otolaryngology-Head & Neck Surgery in supporting the mission of the University of Toronto and our country broadly.

Additional information is available at www.CISEPO.ca
This year the Face the Future™ Foundation celebrated its 21st year of leading international surgical missions. Two major missions were completed, bringing to 32 the number of major missions as well as several smaller missions over the years. Dr. Adamson has led these missions as chef de mission, as he continues in his role as president and founder of the Foundation. This year, surgeons, anesthesiologists, hospitalists and nurses from Canada, the United States, and Germany participated.

Funding for the missions is based upon an initial endowment from one of Dr. Adamson’s patients. Annual fundraising over the last decade has been achieved through an annual spring dinner and auction as well as with donations from friends of the Foundation and corporate sponsors. Over the past six years the Department of Otolaryngology-Head & Neck Surgery has provided financial support for selected senior residents to participate in these missions as part of the university’s global health outreach program.

The essence of the missions is to establish partnerships not only with local surgeons, but also with local hospitals, ministries of health and other community leaders. The local community is asked to advise the Foundation what types of expertise are required to assist them, and the Foundation works to meet their needs. Goals include not only providing consultative and surgical services, but also teaching surgeons, nurses and paramedical staff so that local capacity can be built and sustainability can be achieved. The Foundation and its participating team members commit to creating a long-term relationship to meet the identified needs. Most of our team members have participated in between 5 to 10 missions over several years. In this way collegiality, trust and friendships are built such that progress is enhanced.

The Foundation had its fifth major mission to the Rwanda Military Hospital (notwithstanding the name, a large public hospital) in Kigali in February 2017. The team consisted of 11 members, with Dr. Adamson as chef de mission and Dr. Kofi Boahene of Johns Hopkins University as team leader. The team members came from Baylor University, Johns Hopkins University, Harvard University and Regensburg University. They included six facial plastic surgeons, three anesthesiologists, a hospitalist and an operating room nurse.

More than 50 patients were seen on the first day of the mission for screening, with 42 procedures being completed on 22 patients. These included complex cases with extremely advanced tumours and severe facial trauma. In total, there were six fibular free flaps, two antero-lateral thigh free flaps, three bone grafts, three skin grafts and three tracheotomies performed in association with these procedures. The diseases treated included mandibular ameloblastomas, squamous cell carcinoma, fibrous dysplasia, facial burns, bony and soft tissue trauma, parotid neoplasms, and congenital ocular conditions. Numerous Rwandan surgeons, anesthesiologists and residents were involved in the procedures. There were two formal CPD sessions, one with 62 local participants and the other with 33. A Memorandum of Understanding was signed by Dr. Adamson with the Ministry of Health to confirm the parameters for a continuing productive future relationship.

In June 2017, the Foundation supported its sixth mission of six surgeons and one operating room nurse to Ulyanovsk, Russia, at the Regional Pediatric Hospital. The team consulted on 42 patients and operated on over 24 children. Conditions treated included head and neck tumours, vascular tumours, revision cleft lip and palate, reconstructive rhinoplasty, microtia, and facial scars. In addition, a number of cases were carried out for urologic and general pediatric surgical conditions. CPD was presented through teaching case presentations and interactive subspecialty panels.

The Face the Future™ Foundation’s annual fundraising event was held at the Berkeley Street
Church in Toronto on May 16, 2017. 165 people attended and were entertained by Rwandan dancers. More than $80,000 was raised for the Foundation’s missions.

In the coming year the Foundation will continue to seek new opportunities to expand its missions in less-developed countries. Exploratory discussions are being held in Ethiopia, Dominican Republic and Bolivia.

Additional information is available at http://www.facethefuturefoundation.ca
First and foremost, I would like to express my sincerest gratitude to Mrs. Gaye Wong, Ms. Sydney Reimer, and Smile China Project Board of Directors for the Joseph K. H. Wong/Smile China Project Award in Global Health & Outreach. This funding is going towards the mission that I just came back from Hanoi, Vietnam in February 2017. I participate in these trips through the organization Resource Exchange International. This organization’s mission is to build people to build nations.

I spent eight days there this year re-acquainting with old friends and making new ones as this is my second visit to Hanoi. Our trip usually begins with a 2-day workshop and update in otolaryngology at the National ENT Hospital. This year, we had the largest otolaryngology team to date to Vietnam with four rhinologists, three paediatric otolaryngologists, one otologist, one head and neck surgeon, one general otolaryngologist, one head and neck radiologist, one general radiologist, one otolaryngology resident, one social worker and one IT specialist. Over the course of the week, we visited the National ENT Hospital, National Children’s Hospital, Bachmai Hospital, E Hospital, and Vietnam Cuba Hospital. My visit concentrated on the National ENT Hospital and Vietnam Cuba Hospital. Since I was last there in 2015, some of the residents I met have finished their residency and fellowship training and are staff at these hospitals. Through the didactic lectures and small group teaching, we exchanged ideas and learned from each other. We also saw patients in the outpatient facility and discussed management guidelines and strategies. Usually in the afternoons, we spent time in the operating theatre. We operated on patients that we saw in clinic in the morning and demonstrated surgical techniques to the trainees.

I particularly enjoyed my small group interactions where I was able to answer their questions from anatomy and pathophysiology to surgery/patient management to life as a trainee in North America. It is through these discussions that I got to know the younger surgeons and foster a possible mentorship relationship. I believe that they have an excellent foundation but access to knowledge for them is limited by lack of access to some of the western luxuries of information technology. These include helping them access journal articles or surgical videos they are otherwise not able to obtain. The Vietnamese doctors are quite knowledgeable in terms of book knowledge but there is still a gap in the use of guidelines to direct treatment. By encouraging the young doctors to start learning the guidelines and allowing them access to them will help change the treatment paradigm in the country slowly.

This is my fourth trip to Vietnam in that many years and I hope to return next year. I feel that leaving the comforts of my element really gives me perspective and allows me to appreciate all that we have in our society. I am blessed to have this opportunity and I thank you for your support in my work in global outreach.
With women otolaryngologists in Vietnam Cuba Hospital in Hanoi
Ambrose Lee, MD, MSc, CCFP(EM), FCFP, FRCSC

In March 2017 I spent 10 days volunteering in Bangladesh. It was unique because the first part of the ear camp took place aboard a floating hospital called the Jinbon Tori, which in Bangladeshi means ‘Boat of Hope’. I was honored to be the first Canadian doctor to serve on this boat, let alone the first Canadian otolaryngologist. There was a great sense of community/camaraderie on board. Food was offered to staff and patients free of charge.

The second part of my volunteer mission took place at Masudul Haque Memorial Community Health Centre (IMCHC), Chuadanga. I also received quite a warm hospitality there.

All in all I did over 30 ear operations, ranging from tympanoplasties to mastoidectomies under challenging circumstances.

Additional information is available at http://www.impactfoundationbd.org/
Underserviced Area Program

John Rutka, MD, FRCSC
& David Pothier, MBCHB, MSc, FRCS (ORL-HNS)

We have continued to provide Underserviced Areas Program (UAP) work for the Province of Ontario in the northern communities of Sioux Lookout and Dryden Ontario as we have done so for the past 30 years and 15 years respectively. The UAP program offers an excellent opportunity for fellows in otology/neurotology at the University Health Network and some Residents in our program to experience practice in a rural setting remote from a large institution.

Visits to Sioux Lookout Ontario took place in October 2016 and April 2017 at the Meno Ya Win Health Centre. The majority of those seen were from Aboriginal First Nation Reserves where road access is available only during the winter months. Otherwise patients were flown in from the reserves to receive specialist care. Visits to Dryden Ontario took place in July 2016, November 2016 and February 2017 at the Dryden Regional Health Centre. It is estimated that we saw over 900 hundred patients on these visits and performed over 120 operations under general anaesthesia. The procedures reflected those commonly performed in general otolaryngology practice (tympanoplasty, FESS, septoplasty with turbinate reduction, tonsillectomy and adenoidectomy etc).

We look forward to our continuing visits to provide patient care in Northwestern Ontario. We have enjoyed teaching residents in family practice and medical students from the Northern Ontario School of Medicine (NOSM) during our visits to both communities. We have made a positive impact on the quality of life for people who live in underserviced areas. It is hoped that in the future we may be able to develop a more extensive collaboration with the University of Toronto to promote a dedicated Program of Care to other underserviced areas in Northwestern Ontario (Fort Francis, Rainy River and Kenora).

Mobile Ear Surgical Camp in Thailand

Beyond our Underserviced Areas Program our neurotology fellows and residents from the University Health Network attended a mobile ear surgical camp in Thailand in November 2016. In conjunction with the Thai Rural Ear, Nose and Throat Foundation, Drs. Tom Mawby, Meirav Sokolov, Gordon Tsang and Ophir Ilan were able to take part in ear camps at the Buntharik Hospital in Northeastern Thailand along the Mekong River and at Champasak Hospital in Laos. The three day ear camps saw over 1,200 outpatient visits including over 50 surgical procedures all performed under local anaesthesia. The fellows also provided a series of lectures to the faculty at Chulalongkorn University in Bangkok. They were exemplary ambassadors for our program for which we can all be proud. We will continue to liaise with the Thai Rural Ear, Nose and Throat Foundation for further yearly ear camps throughout Southeast Asia.
BOOKS


BOOK CHAPTERS


EDITORIALS, MEDIA NEWS ARTICLES, PROCEEDINGS OF CONFERENCES

ADAMSON, P
2017 Telephone interview promoting Face the Future™ Foundation, CKDO Radio, Durham, Ontario.

ANDERSON, J
2017 Female Surgeons at St. Michael’s Hospital recreate New Yorker magazine cover. Toronto Star. Coauthor or Collaborator.

ASARIA, J

HARRISON RV

HASSENEH, B

LIN, V
2017 Jan Interview. Sudden Sensorineural Hearing Loss. Appearance on both CBC National News and CBC Radio (Presentation to Patients/Public). Toronto, ON.

NG, R

SOLOMON, P
2006-2017 Fashion Magazine, one of featured cosmetic surgeons in Canada, Toronto, ON.
PEER-REVIEWED PUBLICATIONS

 Listed by Journal Name

Acta Oncologica

Sawka, A.M., Tsang, R.W., Brierley, J.D., Rotstein, L., Segal, P., Ezzat, S., Goldstein, D.P.
Concerns of low-risk thyroid cancer survivors

American Journal of Human Genetics

CHARGE and Kabuki Syndromes: Gene-Specific DNA Methylation Signatures Identify Epigenetic Mechanisms Linking These Clinically Overlapping Conditions

American Journal of Otolaryngology-Head and Neck Medicine and Surgery

Venous Vascular Malformation of the Floor of Mouth Masquerading as a Dermoid Tumor

American Journal of Rhinology & Allergy


Anesthesiology

Distinct Cortical Signatures Associated with Sedation and Respiratory Rate Depression by Morphine in a Pediatric Population.

Annals of Otology, Rhinology & Laryngology

Depth of Cochlear Implant Array Within the Cochlea and Performance Outcome.

Asian Biomedicine

Charusripan, P., Singh, P.K., Pothier, D.D., Rutka, J.A.

Audiology & Neurotology

Brain and Behavior
Easwar, V., Yamazaki, H., Deighton, M., Papsin, B., Gordon, K.
Simultaneous Bilateral Cochlear Implants: Developmental Advances Do Not Yet Achieve Normal Cortical Processing.
(2017) Brain and Behavior. 7 (4), art. no. e00638.

BMC Cancer
Subcellular Differential Expression of Ep-ICD in Oral Dysplasia and Cancer is Associated with Disease Progression and Prognosis.
(2016) BMC Cancer. 16 (1), art. no. 486.

Canadian Family Physician
Osborn, H.A., Glicksman, J.T., Brandt, M.G., Doyle, P.C., Fung, K.
Primary Care Specialty Career Choice Among Canadian Medical Students: Understanding the Factors that Influence their Decisions.

Canadian Journal of Ophthalmology
Staged Endonasal-External Resection of Esthesioneuroblastoma Involving the Nasolacrimal Duct and Lacrimal Sac.

Cancer Cytopathology
Amirazodi, E., Propst, E.J., Chung, C.T., Parra, D.A., Wasserman, J.D.
Pediatric Thyroid FNA Biopsy: Outcomes and Impact on Management Over 24 Years at a Tertiary Care Center.

Clinica Chimica Acta
Kumar, M., Mehra, S., Thakar, A., Shukla, N.K., Roychoudhary, A., Sharma, M.C., Ralhan, R., Chauhan, S.S.
End Binding 1 (EB1) Overexpression in Oral Lesions and Cancer: A Biomarker of Tumor Progression and Poor Prognosis.

Clinical Cancer Research
Prince, M.E., Moyer, J.S., Malloy, K., Swiecicki, P., Eisbruch, A., McHugh, J.B., Chepeha, D.B., Rozek, L., Worden, F.P.
E6 and E7 Antibody Levels are Potential Biomarkers of Recurrence in Patients with Advanced-Stage Human Papillomavirus-Positive
Oropharyngeal Squamous Cell Carcinoma.

Targeting MDM2 for Treatment of Adenoid Cystic Carcinoma.

J.B., Wolf, G.T., Rozek, L.S., Sartor, M.A.
Subtypes of HPV-Positive Head and Neck Cancers are Associated with HPV Characteristics, Copy Number Alterations, PIK3CA
Mutation, and Pathway Signatures.
Clinical Endocrinology
Is it time to Reconsider Lobectomy in Low-Risk Paediatric Thyroid Cancer?

Clinical Genetics

Clinical Otolaryngology
Ilan, O., Syed, M.I., Aziza, E., Pothier, D.D., Rutka, J.A.
Olfactory and Cochleovestibular Dysfunction after Head Injury in the Workplace: An Updated Series.

Kilty, S.J., Leung, R., Rudmik, L.
Economic Evaluation of a Computed Tomography Directed Referral Strategy for Chronic Rhinosinusitis

The Behaviour of Residual Tumour after the Intentional Incomplete Excision of a Vestibular Schwannoma: Is it such a bad thing to leave some behind?

Current Otorhinolaryngology Reports
Carr, S, Rutka JA.
Post Traumatic Dizziness.
(2017 May) Curr Otorhinolaryngol Reports.

Ear, Nose Throat Journal
Au M, Lee JM.
Onodi Cell Mucocele: Case Report and Review of the Literature.
(2016 Sep) Ear, Nose Throat Journal. 95(9):E4-8.

Kus LH, Hopman WM, Witterick IJ, Freeman JL.
Quality-of-Life Outcomes in Graves Disease Patients after Total Thyroidectomy.

EBioMedicine
Fu, G., Polyakova, O., MacMillan, C., Ralhan, R., Walfish, P.G.
Programmed Death - Ligand 1 Expression Distinguishes Invasive Encapsulated Follicular Variant of Papillary Thyroid Carcinoma from Noninvasive Follicular Thyroid Neoplasm with Papillary-like Nuclear Features.
European Journal of Neuroscience
Camp, A.J., Gu, C., Cushing, S.L., Gordon, K.A., Corneil, B.D.

Forensic Science International
Papaioannou, V.A., Kraniti, E.F., Joveneaux, P., Nathena, D., Michalodimitrakis, M.

Frontiers in Integrative Neuroscience

Head & Neck


Eskander, A., Irish, J., Gullane, P., Gilbert, R., de Almeida, J.R., Freeman, J., Giuliani, M., Urbach, D.R., Goldstein, D.P.


Rosko AJ, Spector ME, Griffin GR, Vainshtein JM, Bradford CR, Prince MEP, Moyer SJ, Worden FP, Eisbruch A, Chepeha DB.

Head and Neck Pathology
Wasserman, J.K., Dickson, B.C., Perez-Ordonez, B., de Almeida, J.R., Irish, J.C., Weinreb, I.
INI1 (SMARCB1)-Deficient Sinonasal Carcinoma: A Clinicopathologic Report of 2 Cases.

Hearing Research
Litovsky, R.Y., Gordon, K.
Bilateral Cochlear Implants in Children: Effects of Auditory Experience and Deprivation on Auditory Perception.

Histopathology
NUT midline carcinoma of the larynx: an international series and review of the literature

International Forum of Allergy & Rhinology
Factors Impacting Cerebrospinal Fluid Leak Rates in Endoscopic Sellar Surgery.

Successful Repair of Intra-Operative Cerebrospinal Fluid Leaks Improves Outcomes in Endoscopic Skull Base Surgery.

International Journal of Pediatric Otorhinolaryngology
Preliminary Experience Using a Cochlear Implant with a Novel Linear Pedestal Design.

Xu, J.J., Peer, S., Papsin, B.C., Kitai, I., Propst, E.J.
Tuberculous Lymphadenitis of the Head and Neck in Canadian Children: Experience From a Low-Burden Region

International Journal of Radiation Oncology Biology Physics
Impact of Lymph Node Count in Neck Dissection on Regional and/or Distant Failure in pT1-2 pN0-1 Oral Cavity Squamous Cell Carcinoma.
Re-Evaluation of Ipsilateral Radiation for T1-T2N0-N2b Tonsil Carcinoma at the Princess Margaret Hospital in the Human Papillomavirus Era, 25 Years Later.

Clinical Utility of Epstein-Barr Virus DNA Testing in the Management of Nasopharyngeal Carcinoma Patients.

Witterick, I., Ringash, J.
Effect of Intensity Modulated Radiation Therapy with Concurrent Chemotherapy on Survival for Patients with Cervical Esophageal Carcinoma.

Investigational New Drugs
Worden, F.P.
A Phase II Trial of the BCL-2 Homolog Domain 3 Mimetic AT-101 in Combination with Docetaxel for Recurrent, Locally Advanced, or Metastatic Head and Neck Cancer.

JAMA Facial Plastic Surgery
Hassouneh, B., Brenner, M.J., Kim, D.W.
Trimmed Lateral Crura of Lower Lateral Cartilages as Spreader Grafts: Reply.

JAMA Otolaryngology-Head and Neck Surgery
de Almeida, J., O’Sullivan, B., Goldstein, D., Hope, A.
Distant Metastases Following Postoperative Intensity-Modulated Radiotherapy for Oral Cavity Squamous Cell Carcinoma.

de Almeida JR.
Radiotherapy Characteristics and Outcomes for Head and Neck Carcinoma of Unknown Primary vs T1 Base-of-Tongue Carcinoma.
(2016 Dec) JAMA Otolaryngol Head Neck Surg. 1; 142(12):1208-15

Rocke, D.J., Goldstein, D.P., de Almeida, J.R.
A Cost-Utility Analysis of Recurrent Laryngeal Nerve Monitoring in the Setting of Total Thyroidectomy.

McLean, S.A., Moyer, J., Taylor, J.M.G., Worden, F.P.
Survival Rates Using Individualized Bioselection Treatment Methods in Patients with Advanced Laryngeal Cancer.
Journal of Craniofacial Surgery
Turel, M.K., Chin, C.J., Vescan, A.D., Gentili, F.
Vascularized Nasoseptal Flap for Medial Orbital Wall Reconstruction.

Journal of the Acoustical Society of America
Polonenko, M.J., Giannantonio, S., Papsin, B.C., Marsella, P., Gordon, K.A.
Music perception improves in children with bilateral cochlear implants or bimodal devices

Journal of the American Academy of Audiology
Easwar, V., Sanfilippo, J., Papsin, B., Gordon, K.
Factors Affecting Daily Cochlear Implant use in Children: Datalogging Evidence.

Polonenko, M.J., Carinci, L., Gordon, K.A., Papsin, B.C., Cushing, S.L.
Hearing Benefit and Rated Satisfaction in Children with Unilateral Conductive Hearing Loss Using a Transcutaneous Magnetic-Coupled Bone-Conduction Hearing Aid.

Journal of the Association for Research in Otolaryngology (JARO)
Carraro, M., Almishaal, A., Hillas, E., Firpo, M., Park, A., Harrison, R.V.
Cytomegalovirus (CMV) Infection Causes Degeneration of Cochlear Vasculature and Hearing Loss in a Mouse Model.

Journal of International Advanced Otology

Journal of the National Cancer Institute
Current State of PCR-Based Epstein-Barr Virus DNA Testing for Nasopharyngeal Cancer.

Journal of Neurological Surgery Part B

Journal of Neuroscience
Easwar, V., Yamazaki, H., Deighton, M., Papsin, B., Gordon, K.
Cortical Representation of Interaural Time Difference is Impaired by Deafness in Development: Evidence from Children with Early Long-Term Access to Sound Through Bilateral Cochlear Implants Provided Simultaneously.
Journal of Oral and Maxillofacial Surgery

Ledderhof, N.J., Caminiti, M.F., Bradley, G. and Lam, D.K.
Topical 5-Fluorouracil is a Novel Targeted Therapy for the Keratocystic Odontogenic Tumor.

Journal of Otolaryngology-Head & Neck Surgery

Correlation Between Clinical and MRI Assessment of Depth of Invasion in Oral Tongue Squamous Cell Carcinoma.

De Santis, R.J., Poon, I., Lee, J., Karam, I., Enepekides, D.J., Higgins, K.M.
Comparison of Survival Between Radiation Therapy and Trans-Oral Laser Microsurgery for Early Glottic Cancer Patients; A Retrospective Cohort Study.

Foreman, A., De Santis, R.J., Sultanov, F., Enepekides, D.J., Higgins, K.M.
Heat and Moisture Exchanger use Reduces In-Hospital Complications Following Total Laryngectomy: A Case-Control Study.

Hu, T., Stead, K., Fu, T., Papsin, B.
A Program Evaluation of Kids2Hear, a Student-Run Hearing Screening Program for School Children.


Patterns of Regional Recurrence in Papillary Thyroid Cancer Patients with Lateral Neck Metastases Undergoing Neck Dissection.

Yao, C.M., Ziai, H., Tsang, G., Copeland, A., Brown, D., Irish, J.C., Gilbert, R.W., Goldstein, D.P., Gullane, P.J., de Almeida, J.R.
Surgical Site Infections Following Oral Cavity Cancer Resection and Reconstruction is a Risk Factor for Plate Exposure.

Journal of Paediatrics and Child Health

Park, E., Papsin, B., Freedman, S.
Left Post-Auricular Swelling in a Child.

Journal of Voice

Shinghal, T., Anderson, J., Chung, J., Hong, A., Bharatha, A.
Effect of Medialization Thyroplasty on Glottic Airway Anatomy: Cadaver Model
Medical Hypotheses

Molecular Cancer Research

Nature Genetics

Neural Plasticity

Neurosurgical Review

Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology
Oral Oncology

A Comparison of Weekly Versus 3-Weekly Cisplatin During Adjuvant Radiotherapy for High-Risk Head and Neck Cancer.

Otology and Neurotology

Le Nobel, G.J., Cushing, S.L., Papsin, B.C., James, A.L.


Wolter, N.E., Cushing, S.L., Madrigal, L.D.V., James, A.L., Campos, J., Papsin, B.C., Gordon, K.A.
Unilateral Hearing Loss is Associated with Impaired Balance in Children: A Pilot Study.

ORL; Journal of Oto-rhino-laryngology and its related specialties

Chan, M.W., Higgins, K., Enepekides, D., Poon, I., Symons, S.P., Moineddin, R., Weinreb, I., Shearkhani, O., Chen, A., Beelen, J., Chan, A., Maralani, P.J.
Radiologic Differences Between Human Papillomavirus-Related and Human Papillomavirus-Unrelated Oropharyngeal Carcinoma on Diffusion-Weighted Imaging.

Pediatric Surgery International

Long-Term Outcomes Following H-Type Tracheoesophageal Fistula Repair in Infants.

PLoS ONE

Bernstein, J.M., Daly, M.J., Chan, H., Oiu, J., Goldstein, D., Muhanna, N., de Almeida, J.R., Irish, J.C.
Accuracy and Reproducibility of Virtual Cutting Guides and 3D-Navigation for Osteotomies of the Mandible and Maxilla.

Nishimura, K., Noda, T., Dabdoub, A.
Dynamic Expression of Sox2, Gata3, and Prox1 During Primary Auditory Neuron Development in the Mammalian Cochlea.

Psychology, Health and Medicine

Lebel, S., Payne, A.Y.M., Mah, K., Irish, J., Rodin, G., Devins, G.M.
Do stigma and its psychosocial impact differ between Asian-born Chinese immigrants and Western-Born Caucasians with Head and Neck Cancer?
Psychiatry Research

Saudi Medical Journal

Scientific Reports

Seminars in Fetal and Neonatal Medicine

Scientific Reports

The Journal of Laryngology and Otology


The Laryngoscope

Dixon, B.J., Chan, H., Daly, M.J., Qiu, J., Vescan, A., Witterick, I.J., Irish, J.C.

Lin, V.Y.W., Chung, J., Callahan, B.L., Smith, L., Gritters, N., Chen, J.M., Black, S.E., Masellis, M.
Development of Cognitive Screening Test for the Severely Hearing Impaired: Hearing-Impaired MoCA.

Parkes, W.J., Gnanesegaram, J.J., Cushing, S.L., McKnight, C.L., Papsin, B.C., Gordon, K.A.
Vestibular Evoked Myogenic Potential Testing as an Objective Measure of Vestibular Stimulation with Cochlear Implants.

Drake, J., Narang, I.
Midline Posterior Glossectomy and Lingual Tonsillectomy in Obese and Nonobese Children with Down Syndrome: Biomarkers for Success.

Utility of Brain MRI in Children with Sleep-Disordered Breathing.

Truong Lam, M., O’Sullivan, B., Gullane, P., Huang, S.H.
Challenges in Establishing the Diagnosis of Human Papillomavirus-Related Oropharyngeal Carcinoma.

**Thyroid**

Hyun, Y.G., Alhashemi, A., Fazelzad, R., Goldberg, A.S., Goldstein, D.P., Sawka, A.M.
A Systematic Review of Unmet Information and Psychosocial Support Needs of Adults Diagnosed with Thyroid Cancer.
(2016) Thyroid. 26 (9), pp. 1239-1250.

**Tissue Engineering - Part C: Methods**

Generating Mechanically Stable, Pediatric, and Scaffold-Free Nasal Cartilage Constructs In Vitro.

**World Journal of Surgery**

Lee, D.J., Xu, J.J., Brown, D.H., Gilbert, R.W., Gullane, P.J., Irish, J.C., Rotstein, L.E., Goldstein, D.P., de Almeida, J.R.
Determining Patient Preferences for Indeterminate Thyroid Nodules: Observation, Surgery or Molecular Tests.

**World Neurosurgery**

Outcomes of Endonasal and Lateral Approaches to Petroclival Meningiomas.
NON-PEER REVIEWED PUBLICATIONS

HARRISON, RV
Beware of Labels in Audiology.

Recent Studies at the Auditory Science Laboratory, University of Toronto.

Central auditory changes in SNHL.
(2017) Vol 26(2); 89-90. ENT and Audiology News.

From the Labs to Clinics: Etiology is important.

From the Labs to the Clinics.
PRESENTATIONS
<table>
<thead>
<tr>
<th>Name</th>
<th>Role/Description</th>
<th>Details</th>
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<tbody>
<tr>
<td><strong>AUSTRALIA</strong></td>
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<tr>
<td><strong>GOLDSTEIN, D</strong></td>
<td>Invited Speaker. Debate on rare cancers should be managed in high volume centres.</td>
<td>Royal Australasian College of Surgeons 86th Annual Scientific Congress. Adelaide, Australia.</td>
</tr>
<tr>
<td><strong>AUSTRIA</strong></td>
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<tr>
<td><strong>ENEPEKIDES, D</strong></td>
<td>International Faculty, Facial Reconstruction: A hands on course.</td>
<td>Orbital Reconstruction – Lessons learned. Medical University of Vienna. Vienna, Austria.</td>
</tr>
<tr>
<td><strong>BELGIUM</strong></td>
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<tr>
<td><strong>RINGASH, J</strong></td>
<td>Invited Speaker. The Role of Quality of Life in Trials that Matter: the Canadian Cancer Trials Group Experience.</td>
<td>Brussels, Belgium. EORTC Quality of Life and Cancer Clinical Trials Conference.</td>
</tr>
<tr>
<td><strong>CANADA (International Meetings in Canada)</strong></td>
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<tr>
<td><strong>PRObst, E</strong></td>
<td>Invited Speaker. Tracheotomy in Robin Sequence.</td>
<td>2nd International Robin Sequence Consensus Meeting. Christopher Forrest, Kelly Evans. Toronto, ON.</td>
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### INTERNATIONAL MEETINGS (continued)

#### WITTERICK, I

#### CHILE

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<tr>
<th>Name</th>
<th>Date</th>
<th>Role/Topic</th>
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<tbody>
<tr>
<td>GORDON, K</td>
<td>2017 Jun</td>
<td>Speaker. Hearing loss: Consequences in the development and treatment options. 2 day workshop. Santiago, Chile.</td>
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#### CHINA

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<th>Name</th>
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<th>Role/Topic</th>
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#### COLOMBIA

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<th>Name</th>
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<th>Role/Topic</th>
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2017 Mar  Invited Speaker/Faculty. Incisionless Otoplasty. International Course, Colombian Association of Otolaryngology-HNS. Medellin, Colombia.

#### FRANCE

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<th>Name</th>
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### INTERNATIONAL MEETINGS (continued)

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<th>Name</th>
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### Germany

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### Hong Kong

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### India

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<th>Event</th>
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<tr>
<td><strong>Chepeha, D</strong></td>
<td>2017 May</td>
<td>Moderator. Mandible reconstruction session. IAOO 6th World Oral Cancer Congress. Bengaluru, India.</td>
</tr>
<tr>
<td><strong>Gilbert, R</strong></td>
<td>2017 May</td>
<td>Invited Speaker. Management of Osteoradionecrosis of the Mandible. IAOO 6th World Congress. Bengaluru, India.</td>
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<tr>
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<td>2017 May</td>
<td>Invited Speaker. Reconstruction following salvage surgery. IAOO 6th World Congress. Bengaluru, India.</td>
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</tbody>
</table>
INTERNATIONAL MEETINGS (continued)

2017 May  Invited Speaker. Complex Maxillofacial Defect. IAOO 6th World Congress. Bengaluru, India.

PAPSIN, B


IRELAND

GULLANE, P


ISRAEL

CHEPEHA, D

PROBST, E
2016 Jul  Invited Speaker. The Pediatric Airway. Dr. Eyal Raveh. Schneider Hospital for Children, Tel-Aviv, Israel.

2016 Jul  Invited Speaker. Pediatric airway anomalies. The Pediatric Airway. Assaf Harofeh Medical Center, Tel-Aviv, Israel.

ITALY

ASARIA, J


JAMES, A
### INTERNATIONAL MEETINGS (continued)

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<th>Year</th>
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<th>Event Description</th>
<th>Location</th>
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<tr>
<td>2017</td>
<td>Apr</td>
<td>Invited Lecturer. Otitis media in children (Skype Lecture). Department of ORL-HNS, University of Modena. Italy.</td>
<td>University of Modena, Italy.</td>
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<td><strong>POTHIER, D</strong></td>
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<tr>
<td>2017</td>
<td>Apr</td>
<td>Training and the Learning Curve in Endoscopic Ear Surgery. 2\textsuperscript{nd} World Congress on Endoscopic Ear Surgery.</td>
<td>Bologna, Italy.</td>
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### JAPAN

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<td><strong>HARRISON, RV</strong></td>
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<tr>
<td>2017</td>
<td>Jun</td>
<td>Invited lecturer. Top Tips for TEES Technique. 6\textsuperscript{th} Hands on Seminar in Endoscopic Ear Surgery.</td>
<td>Yamagata, Japan.</td>
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<tr>
<td>2017</td>
<td>Jun</td>
<td>Moderator. Discussion of surgical issues during live surgery demonstration. 6\textsuperscript{th} Hands on Seminar in Endoscopic Ear Surgery.</td>
<td>Yamagata, Japan.</td>
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<td><strong>WITTERICK, I</strong></td>
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<tr>
<td>2017</td>
<td>May</td>
<td>Invited Speaker. Endoscopic management of sinonasal tumours. 118\textsuperscript{th} Annual Meeting of The Oto-Rhino-Laryngological Society of Japan.</td>
<td>Hiroshima, Japan.</td>
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### KUWAIT

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<th>Year</th>
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<th>Event Description</th>
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<td><strong>GULLANE, P</strong></td>
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<tr>
<td>2017</td>
<td>Apr</td>
<td>Invited Speaker. Lip Reconstruction following Surgical Ablation for Cancer. 4\textsuperscript{th} Kuwait International Conference of Multidisciplinary Management of Head &amp; Neck Cancer.</td>
<td>Kuwait City, Kuwait.</td>
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INTERNATIONAL MEETINGS (continued)


IRISH, J


NETHERLANDS

GILBERT, R


GORDON, K
### INTERNATIONAL MEETINGS (continued)

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#### POLAND

**CONRAD, K**

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<tbody>
<tr>
<td>2016 Jul</td>
<td>Invited Speaker. Blue Print for Better Rhinoplasty Results. Department of Pediatric Otolaryngology. Medical University of Warsaw. Warsaw, Poland.</td>
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#### PORTUGAL

**GORDON, K**

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<th>Date</th>
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<tr>
<td>2017 May</td>
<td>Speaker. Session Cochlear Implant and brain development. 13th European Symposium of Paediatric Cochlear Implantation. Lisbon, Portugal.</td>
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<tr>
<td>2017 May</td>
<td>Speaker. Session Bimodal and Bilateral. 13th European Symposium of Paediatric Cochlear Implantation. Lisbon, Portugal.</td>
</tr>
<tr>
<td>2017 May</td>
<td>Round Table nº 11. Why is one ear not enough. 13th European Symposium of Paediatric Cochlear Implantation. Lisbon, Portugal.</td>
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**PAPSIN, B**

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#### RUSSIA

**ADAMSON, P**

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#### RWANDA

**ADAMSON, P**

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#### SAUDI ARABIA

**CAMPISI, P**

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<th>Date</th>
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</table>
INTERNATIONAL MEETINGS (continued)

LIN, V
2016 Nov  Guest Instructor. 10th Temporal Bone Course, Department of Otolaryngology-Head & Neck Surgery, Prince Sultan Military Medical City. Riyadh, Saudi Arabia.

MONTEIRO, E

SINGAPORE

ADAMSON, P


SWEDEN

GILBERT, R


PAPSIN, B
### INTERNATIONAL MEETINGS (continued)

**WITTERICK, I**  
2016 Jul  

**SWITZERLAND**

**ANDERSON, J**  
2017 Jan  

**TAIWAN**

**LIN, V**  
2016 Dec  
Guest Instructor. Annual Temporal Bone Course. Department of Otolaryngology, Cheng Hsin General Hospital, Faculty of Medicine, National Yang-Ming University. Taipei, Taiwan.

2016 Dec  

2016 Dec  
Invited Speaker. Expansion of Traditional Cochlear Implant Candidacy: Pushing the Boundaries. Single-Sided Deafness Symposium. Department of Otolaryngology, Faculty of Medicine, National Yang-Ming University. Taipei, Taiwan.

**TURKEY**

**JAMES, A**  
2017 Jan  

2017 Jan  

2017 Jan  

**RUTKA, J**  
2017 Jan  

**UNITED KINGDOM**

**ADAMSON, P**  
2016 Sept  
Invited Faculty. 1. International Rhinoplasty Experience – Case Studies, 2. Alar Base Refinement and Lower Lateral Cartilage Transposition, 3. Trichophytic Forehead Lift, 4. Microvascular Facial Rejuvenation and Face Transplant
INTERNATIONAL MEETINGS (continued)


ASARIA, J
2016 Sept

UNITED STATES

ADAMSON, P
2017 May

2016 Oct

ASARIA, J
2017 Jun

2016 Oct

2016 Oct

ANDERSON, J
2016 Oct

CAMPISI, P
2016 Sep

CHAN, Y
2016 Sep

2016 Jul

CHEN, J
2017 Jan
Invited Lecturer. Quadroscopic 4-handed approach in Otologic and Skull Base Surgery. University of Colorado. Vail, CO.
## INTERNATIONAL MEETINGS (continued)

**CHEPEHA, D**

2016  

2016  
Invited Speaker. University of Maryland Grand Rounds. Maryland, MD.

2016  

**CUSHING, S**

2016 Aug  

2016 Oct 6  
Invited Speaker. Vestibular Disorders and Sensorineural Hearing Loss. 7th Annual Training Course for Health Care Professionals on Vestibular and Balance Disorders in the Pediatric Population. Wilmington, DE.

**DE ALMEIDA, J**

2017 April  

2017 Mar  

2016 Jul  

**ENEPEKIDES, D**

2016 Aug  
Course Chair. Principles of Operative Treatment of Craniomaxillofacial Trauma and Reconstruction. AOCMF North America. Boston, MA.

2016 Jul  
Course Chair. Salvage Surgery – When it’s possible, how to plan, and surgical tips. 9th International Conference on Head and Neck Cancer. American Head and Neck Society. Seattle, WA.

2016 Jul  

**FREEMAN, J**

2016 Jul  

2016 Sept  
Guest Lecturer. The ATA Guidelines 2015 Influence on Thyroid Oncology Stakeholders. ATA Annual Meeting. Denver, CO.

2016 Nov  
Revision Neck Dissection for PTC Nodes. Surgery of the Thyroid and Parathyroid Glands. Harvard Medical School. Boston. MA.

2016 Nov  
Revision Neck Dissection for PTC Nodes. Surgery of the Thyroid and Parathyroid Glands. Harvard Medical School. Boston. MA.
# INTERNATIONAL MEETINGS

<table>
<thead>
<tr>
<th>Speaker</th>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2017 Jun</td>
<td>Invited Speaker/Faculty. Correction of the Severe Saddle Deformity. Vegas Cosmetic Surgery and Aesthetic Dermatology 2017. Las Vegas, NV.</td>
</tr>
<tr>
<td></td>
<td>2017 Jun</td>
<td>Invited Speaker/Faculty. Incisionless Otoplasty: A Reliable and Replicable Technique for the Correction of Prominauris. Vegas Cosmetic Surgery and Aesthetic Dermatology 2017. Las Vegas, NV.</td>
</tr>
<tr>
<td></td>
<td>2017 Jun</td>
<td>Invited Speaker/Faculty. Incisionless Otoplasty (Masters Video Session). Vegas Cosmetic Surgery and Aesthetic Dermatology 2017. Las Vegas, NV.</td>
</tr>
<tr>
<td></td>
<td>2016 Oct</td>
<td>Faculty. Rhinoplasty in Patients with Granulomatosis: Pearls and Pitfalls. Fall Meeting AAFPRS. Nashville, TN.</td>
</tr>
</tbody>
</table>
INTERNATIONAL MEETINGS (continued)

GORDON, K


2017 Jan  Brain and Behavior Reveals Auditory Plasticity in Children Using Bilateral Cochlear Implants and Bimodal Devices. 2017 Ultimate Colorado Midwinter Meeting. Vail, CO.


GULLANE, P


HIGGINS, K

2016 Nov  Panellist/Speaker. Value-Based Head and Neck Cancer Care. Panel: Value From the Payer’s Perspective. MD Anderson Cancer Center. Houston, TX.

IRISH, J


## INTERNATIONAL MEETINGS (continued)

<table>
<thead>
<tr>
<th>Year</th>
<th>Month</th>
<th>Event</th>
<th>Details</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td><strong>LIU, FF</strong></td>
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<td></td>
<td></td>
<td><strong>PAPAIOANNOU, V</strong></td>
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<td><strong>PAPSIN, B</strong></td>
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<tr>
<td></td>
<td></td>
<td>Invited Speaker. Surgical Technique and Instrumentation using the CI532 Implant. Cochlear Surgical Training Symposium. Baylor College of Medicine. Houston, TX.</td>
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<td></td>
<td></td>
<td><strong>POTHIER, D</strong></td>
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<td></td>
<td><strong>PROPST, E</strong></td>
<td></td>
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<tr>
<td>2017</td>
<td>May</td>
<td>Invited Speaker. Repair of type IV laryngotracheoesophageal cleft with multiple long, tapered engaging cartilage grafts can allow decannulation and oral feeding. 2017 Annual Meeting of the American Society of Pediatric Otolaryngology (ASPO). Austin, TX.</td>
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<tr>
<td></td>
<td></td>
<td>Created Bedside Presentations for Airway Surgery Stations. Open Airway Surgical Course. Portland, OR.</td>
<td></td>
</tr>
</tbody>
</table>
INTERNATIONAL MEETINGS (continued)

airway versus the esophagus — illustrations of aerodigestive principles and reconstruction. Carlton Zdanski, Steven
Goudy, Deepak Mehta.

Sometimes tried and true management strategies for long segment tracheal stenosis. Alex Langerman, Alessandro
deAlarcon, Gresham Richter.

RINGASH, J
Ringash/Kate Hutcheson (Chairs), Sylvie Delanian, Barbara Murphy, Giselle Carnaby, Karen Pitman, Joseph
Califano. 9th International Conference on Head and Neck Cancer; Milton J. Dance Plenary Symposium. Seattle, WA.

Bevan Yueh, Kevin Higgins, Jolie Ringash. 9th International Conference on Head and Neck Cancer. Lunch with the
Professors. Seattle, WA.

Kelly Molloy, Jolie Ringash. 9th International Conference on Head and Neck Cancer. Educational Course. Seattle,
WA.

Presenters: Jolie Ringash (Chair), Bevan Yueh, Drew Ridge. 9th International Conference on Head and Neck Cancer;
Educational Course. Seattle, WA.

VESCAN, A
2017 Mar  Moderator. Complex Head and Neck Malignancies: Controversies in Management. 27th Annual Meeting of the
North American Skull Base Society. New Orleans, LA.

WITTERICK, I
2017 Mar  Invited Speaker. Minor salivary gland tumors of the paranasal sinuses. 27th Annual Meeting of the North American
Skull Base Society. New Orleans, LA.

Base Society. New Orleans, LA.

2016 Jul  Invited Speaker. Skull base surgery: Open and endoscopic approaches (2 hour pre-meeting course). 9th
International Conference on Head and Neck Cancer. Seattle, WA. Presenters: Witterick UJ, Hanna EY (moderators),
Fliss DM, Nicolai P.
INTERNATIONAL MEETINGS (continued)

VIETNAM

CHAN, Y


NATIONAL MEETINGS

ALBERTA

CAMPISI, P

MANITOBA

HARRISON, RV


IRISH, J


LEE, J
2016 Jul  Invited Speaker. Endoscopic Anatomy of the Paranasal Sinuses. 14th Annual Canadian Otolaryngology Resident Sinus Course. Winnipeg, MB.

# NATIONAL MEETINGS (continued)

## NEWFOUNDLAND

<table>
<thead>
<tr>
<th>Speaker</th>
<th>Date</th>
<th>Event Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>BARTLETT, E</td>
<td>2017 Feb</td>
<td>Invited Speaker. Newfoundland and Labrador Association of Radiologists Annual Spring Meeting, Corner Brook, NL.</td>
</tr>
<tr>
<td></td>
<td>2017 Feb</td>
<td>Visiting Professor. Memorial University of Newfoundland. St. John’s, NL.</td>
</tr>
</tbody>
</table>

## NOVA SCOTIA

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<th>Speaker</th>
<th>Date</th>
<th>Event Details</th>
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## ONTARIO

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<tr>
<th>Speaker</th>
<th>Date</th>
<th>Event Details</th>
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## QUEBEC

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<tr>
<th>Speaker</th>
<th>Date</th>
<th>Event Details</th>
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</thead>
<tbody>
<tr>
<td>FREEMAN, J</td>
<td>2017 Jan</td>
<td>Total Thyroidectomy. Hemithyroidectomy vs Total Thyroidectomy for Differentiated Thyroid Cancer, Endocrinology Update. Mount Ste-Anne, QC.</td>
</tr>
</tbody>
</table>
NATIONAL MEETINGS (continued)

PROPST, E

WITTERICK, I

2017 May Visiting Professor. Complication management: Rhinosinusitis and sinus surgery. McGill University, Department of Otolaryngology-Head & Neck Surgery. Montreal, QC.

SASKATCHEWAN

BRANDT, M


DE ALMEIDA, J

LEE, J

2017 Jun Invited Session Moderator. Rhinology Session, Canadian Society of Otolaryngology-Head & Neck Surgery Annual Meeting, Saskatoon, SK.

LIN, V

MONTEIRO, E

WITTERICK, I
2017 Jun Invited Lecturer. Management of hereditary hemorrhagic telangiectasia (HHT) associated epistaxis in Canada – Surgical Aspects. 71st Annual Meeting of the CSO-HNS. Saskatoon, Saskatchewan, Canada. Presenter(s): Côté D (moderator), Desrosiers M, Rotenberg B, Witterick IJ.
### PROVINCIAL/LOCAL MEETINGS

<table>
<thead>
<tr>
<th>Speaker</th>
<th>Date</th>
<th>Event</th>
<th>Institution/Location</th>
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</thead>
<tbody>
<tr>
<td><strong>ADAMSON, P</strong></td>
<td>2017 Apr</td>
<td>Invited Faculty and Planning Committee. Facial Scar Revision. Lumps, Bumps and Looks in the Head and Neck.</td>
<td>Departments of Otolaryngology-Head &amp; Neck Surgery and Dermatology and Family Medicine Update Course, University of Toronto.</td>
</tr>
<tr>
<td></td>
<td>2017 Feb</td>
<td>Invited Faculty. Management Algorithm for the Crooked Nose.</td>
<td>Otolaryngology Update 2017, Department of Otolaryngology-Head &amp; Neck Surgery, University of Toronto.</td>
</tr>
<tr>
<td><strong>ANDERSON, J</strong></td>
<td>2017 May</td>
<td>Speaker. The Postoperative ENT Patient.</td>
<td>St. Michael’s Hospital, 15CCS Education Day. Toronto, ON.</td>
</tr>
<tr>
<td></td>
<td>2017 Jan</td>
<td>Invited Speaker. VCD, PVFM, ILS etc: Dyspnea from the Larynx.</td>
<td>The Lung Association Better Breathing Conference. Toronto, ON.</td>
</tr>
<tr>
<td></td>
<td>2016 Dec</td>
<td>Invited Speaker. Laryngeal Movement Disorders Affecting the Larynx.</td>
<td>Grand Rounds, University of Ottawa. Ottawa, ON.</td>
</tr>
<tr>
<td><strong>ASARIA, J</strong></td>
<td>2017 Mar</td>
<td>Aesthetic approach to facial shaping.</td>
<td>Oral Presentation at the 1st Aesthetic Injectables Symposium. Toronto, ON.</td>
</tr>
<tr>
<td><strong>BARTLETT, E</strong></td>
<td>2016 Jun</td>
<td>Invited Speaker.</td>
<td>University of Toronto CME Program. Toronto Head and Neck Imaging Course. St. Michael’s Hospital, Toronto, ON.</td>
</tr>
<tr>
<td><strong>BRANDT, M</strong></td>
<td>2016 Dec</td>
<td>Invited Speaker.</td>
<td>McMaster University, Department of Surgery, Division of Otolaryngology-Head &amp; Neck Surgery, Resident Lecture Series, Hamilton, ON.</td>
</tr>
</tbody>
</table>
Panel Member. Facial Reconstruction Case-Based Panel Discussion. Skin Cancer Management Update 2017. Department of Otolaryngology – Head and Neck Surgery, Schulich School of Medicine & Dentistry, Western University. London, ON. Co-Presenters: Corey Moore, Kathryn Roth, Leigh Sowerby, Scott Hamilton, Aaron Grant, Scott Ernst, Belal Ahmad, Alex Hammond.


Invited Speaker. Department of Anesthesia and Surgery Faculty Development Day. Competency by Design. Toronto, ON.

Invited Speaker. Sialorrhea. Complex Care Interdisciplinary Rounds. Hospital for Sick Children, Toronto, ON.

Course Director and Speaker. Practical Guide to Understanding Maintenance of Certification Credits. The 15th Annual Otolaryngology Head & Neck Surgery Update 2017. Toronto, ON.

Invited Speaker. Incorporation of Multiple Audience Interactive Format in a Surgical CPD Course. University of Toronto Continuing Professional Development Retreat. Toronto, ON.


Invited Lecturer. Emergencies in Otolaryngology-Head and Neck Surgery. Department of Family Medicine, Michael Garron Hospital, Resident Lectures.

Invited Speaker. A Novel approach to the management of the occult oropharyngeal cancer using transoral robotic surgery and tailored radiotherapy. Wharton Head and Neck Day. Princess Margaret Cancer Center. Toronto, ON.

Course Director. Skull Base Symposium. Department of Medical Imaging. St. Michael’s Hospital. Toronto, ON.

Invited Speaker. Surgical Approach to the Anterior Skull Base. Skull Base Symposium. Department of Medical Imaging. St. Michael’s Hospital. Toronto, ON.

Invited Speaker. The FIND Trial: Integrating TORS and tailored radiotherapy in the diagnosis and treatment of unknown primary head and neck squamous cell carcinoma. Canadian Cancer Trials Group (CCTG). Toronto, ON.

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<tbody>
<tr>
<td>2017 May</td>
<td>Invited Speaker, Early Discharge After Thyroid Surgery. Sir William Osler Health System-Etobicoke. Toronto, ON.</td>
</tr>
<tr>
<td>2017 May</td>
<td>Lecturer. Auditory Evoked Potentials (ECOG, ABR, cortical). ENT Fellows Toronto General Hospital. Toronto, ON.</td>
</tr>
<tr>
<td>2017 Jan</td>
<td>Invited Panelist. Audiology and Related Professions Career Panel. University of Toronto; Department of Speech-Language Pathology. Course: Research and Service Learning in Communication Sciences and Disorders. Toronto, ON.</td>
</tr>
<tr>
<td>2017 Jan</td>
<td>Panel Discussion. IV Primary Non-Surgical Management of Low Risk Papillary Thyroid Cancer. Tumour Board Panel Discussion of Cases, Moderator, Symposium on Management of Low Risk Differentiated Thyroid Cancer (DTC) and Noninvasive Follicular Thyroid Neoplasm with Papillary-like Nuclear Features (NIFTP). Toronto, ON.</td>
</tr>
<tr>
<td>2017 Jan</td>
<td>Evidence-Based vs Personalized Strategies for Post-Operative Management of Low and Intermediate Risk Papillary Thyroid Cancer, Webinars to Various Endocrinologists and Endocrine Surgeons in North America. Toronto, ON.</td>
</tr>
<tr>
<td>2017 Feb</td>
<td>Guest Lecturer. The ATA Guidelines 2015 Influence on Thyroid Oncology Stakeholders. Gatineau Endocrinologists and Gatineau Head and Neck Surgeons. Ottawa, ON.</td>
</tr>
<tr>
<td>2017 May</td>
<td>Invited Speaker. Management of Low Risk Thyroid cancer and Active Surveillance, Durham Regional Cancer Center Endocrine Oncology Division. ON.</td>
</tr>
</tbody>
</table>
### PROVINCIAL/LOCAL MEETINGS (continued)

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<tbody>
<tr>
<td>2017 Apr</td>
<td>Invited Speaker. Thyroid cancer surgery. Canadian Association of Nuclear Medicine National meeting.</td>
<td>Toronto, ON.</td>
</tr>
<tr>
<td>2017 Jan</td>
<td>Speaker. Active Surveillance in Thyroid Cancer. Symposium on Management of Low risk DTC and NIFT.</td>
<td>Toronto ON.</td>
</tr>
<tr>
<td>2016 Oct</td>
<td>Speaker, Trillium Health Partners Thyroid Cancer Working Group, Role of Active Surveillance in the management of Low risk Thyroid Cancer.</td>
<td>Mississauga, ON.</td>
</tr>
<tr>
<td>2016 Oct</td>
<td>Lecturer. Role of Active Surveillance in the management of Low risk Thyroid Cancer.</td>
<td>Grand Rounds, Department of Otolaryngology, University of Toronto.</td>
</tr>
<tr>
<td>2017 May</td>
<td>Invited Speaker. Thirty years of Evolution and Revolution.</td>
<td>Skull Base Symposium. Toronto, ON.</td>
</tr>
</tbody>
</table>
PROVINCIAL/LOCAL MEETINGS (continued)

**LEE, A**

**LEE, J**

2017 Mar  Invited Speaker. A Review of Nasal Polyposis. What’s Old and What’s New? Division of Allergy and Clinical Immunology City Wide Teaching Rounds, St. Michael’s Hospital, University of Toronto.

**LIN, V**

2017 Feb  Invited Speaker. Update on Hearing Aids for the Community Otolaryngologist. Otolaryngology Update, Department of Otolaryngology-Head & Neck Surgery. Toronto, ON.

**LIU, FF**


**MONTEIRO, E**

2017 May  Invited Speaker/Faculty. Skull Base Reconstruction. Skull Base Symposium. Toronto, ON.

**POTHIER, D**

**PROBST, E**


PROVINCIAL/LOCAL MEETINGS (continued)

2017 Jan  Invited Speaker. Open reconstruction of the trachea. SickKids Intensive Care Unit Pediatric Residents and Fellows. Toronto, ON.


RINGASH, J


RUTKA, J
2017 Feb  Dizziness in the Head Injury Patient: Findings from the UHN WSIB Head Injury Database over the past 25 years. 2017 Traumatic Brain Injury Conference. Toronto, ON.

SOLOMON, P

WITTERICK, I

2017 Annual Wharton/Elia day
### INTERNATIONAL MEETINGS

#### AUSTRIA

<table>
<thead>
<tr>
<th>Author</th>
<th>Title</th>
<th>Date</th>
<th>Event</th>
<th>Location</th>
<th>Presenters</th>
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</table>

#### CANADA (International Meetings in Canada)

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<tr>
<th>Author</th>
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<th>Location</th>
<th>Presenters</th>
</tr>
</thead>
</table>
INTERNATIONAL MEETINGS (continued)

LEE, J  
2017 Jun  

LIN, V  
2017 Jun  

MONTEIRO, E  
2017 Jun  

PAPAIOANNOU, V  
2016 Dec  
ECLS follow-up program: Essential support after childhood critical illness. 8th World Congress on Pediatric Intensive and Critical Care, Toronto, ON. Dryden-Palmer, K, Fazari, L, Sananes, R, Papaioannou, V, Sivarajan, B, Guerguerian, A.

SHIPP, D  
2017 Jun  
Comparison of Hearing Preservation Rates and Performance on Functional Sound Field Tests Between FLEXsoft 31 and FLEXsoft 28 Electrode Arrays – A Prospective Cohort Study. Park, E, Kwinter, A, Shipp, D, Chen, J, Lin, V. 71st Annual Meeting, Canadian Society of Otolaryngology, Saskatoon, SK.

FRANCE

HARRISON, RV  
2016 Aug  

IRELAND

CHIODO, A  
2017 Feb  

SOUTH AFRICA

CAMPISI, P  
2017 Feb  
## INTERNATIONAL MEETINGS (continued)

### SWEDEN

**WITTERICK, I**  
2016 Jul  

### UNITED STATES

**ASARIA, J**  
2016 Oct  
Jumaily JS, Donnelly T, Asaria J. Quality of recovery in deep intravenous sedation and general anesthesia in facial plastic surgery. Poster Presentation at the American Academy of Facial Plastic and Reconstructive Surgery Fall Meeting, Nashville, TN.

**BROWN, DH**  
2016 Sept  

**CHEPEHA, D**  
2016 Jul  

**DABDOUB, A**  
2017  

2017  
Samarajaewa, A., Xie, L., O’Connor, D., Mulvaney, JF, Dabdoub, A. Activation of Wnt signaling through the neonatal stages induces support cell proliferation and promotes hair cell induction in response to Notch inhibition. Association for Research in Otolaryngology 2017. Baltimore, MA.

2017  
Nishimura, K., Noda, T., and Dabdoub, A. Expression of Sox2, Sox10 and Gata3 during spiral ganglion development and maturation in the mammalian cochlea. Association for Research in Otolaryngology 2017. Baltimore, MA.

2017  

**DE ALMEIDA, J**  
2017 Apr  
Hyams Grade and regional recurrence in Olfactory Neuroblastoma. AHNS 10th International Conference on Head and Neck Cancer. Presenter(s): Ziai H, Weinreb I, Aldape K, de Almeida JR. San Diego, CA.

2017 Mar  
INTERNATIONAL MEETINGS (continued)


2016 Jul  Retropharyngeal Nodes and Other Radiological Predictors of Prognosis in Unknown Primary Head and Neck Carcinoma. AHNS 9th International Conference on Head and Neck Cancer. Seattle, WA. Presenter(s): Gilad Horowitz, John de Almeida.


GOLDSTEIN, D


GORDON, K


LAUGHLIN, S


LEE, J
UNIVERSITY OF TORONTO  OTOLARYNGOLOGY - HEAD & NECK SURGERY  •  ANNUAL REPORT 2016-2017

INTERNATIONAL MEETINGS (continued)

MONTEIRO, E
2017 Mar

2016 Jul
Swanberg C, Monteiro E. Improving the perioperative experience of tonsillectomy patients: A web based application guiding patients through their surgical experience. Association of Medical Illustrators 2016 Annual Conference. Atlanta, GA.

PAPAIOANNOU, V
2016 Dec

RINGASH, J
2017 Jun

2016 Sept

2016 Sept

2016 Sept

2016 Sept

2016 Sept

2016 Sept

2016 Sept
INTERNATIONAL MEETINGS (continued)


VESCAN, A


