

OTOLARYNGOLOGY - HEAD & NECK SURGERY

ANNUAL REPORT

20162017



Otolaryngology - Head & Neck Surgery
UNIVERSITY OF TORONTO

Leading Innovation. Achieving Impact

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Department of Otolaryngology– Head & Neck Surgery

Professor and Chair
Vice-Chair Education & Director of Postgraduate Education
Director of Undergraduate Medical Education
Assistant Director, Pre-Clerkship
Assistant Director, Post Clerkship
Director of Continuing Professional Development
& Liaison Community Academic Faculty
Vice-Chair Research

Dr. Ian J. Witterick
Dr. Paolo Campisi
Dr. Allan Vescan
Dr. Brad Hubbard
Dr. John Lee

Dr. Yvonne Chan
Dr. Robert V. Harrison

Otolaryngologists-in-Chief

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

Dr. Blake Papsin
Dr. Al Chiodo
Dr. Everton Gooden
Dr. Ian J. Witterick
Dr. Rick Fox
Dr. Jennifer Anderson
Dr. Joseph M. Chen
Dr. Lorne Segall
Dr. Ralph Gilbert

Division Chiefs

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

Dr. Peter Adamson
Dr. Ralph Gilbert
Dr. John Lee

Committee Chair Holders

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

Dr. Ian J. Witterick
Dr. Allan Vescan
Dr. Paolo Campisi
Dr. Yvonne Chan
Dr. Robert V. Harrison
Ms. Vicky Papaioannou
Dr. Jonathan C. Irish
Dr. Robert V. Harrison
Dr. Ian J. Witterick
Dr. Yvonne Chan
Dr. Patrick J. Gullane
Dr. Danny Enepekides

Vision, Mission and Values

Vision

International leadership in improving health through innovation and excellence in otolaryngology-head & neck surgical practice, research and education.

Mission

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

Values

Excellence • Collaboration • Integrity • Respect

Compassion • Accountability • Caring • Leadership • Innovation



Organizational Structure

DEAN
Faculty of Medicine

CHAIR
Otolaryngology-HNS

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



Chair's Report

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.

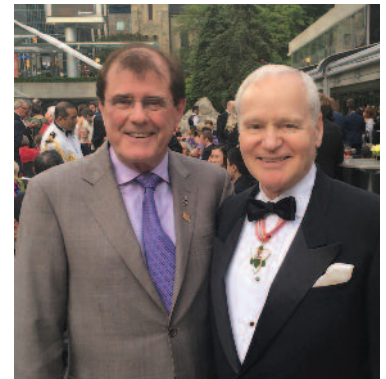
Since 2012 we have recruited five full-time academic faculty members, four at the level of Assistant Professor and one Full Professor. During the same period we have added 28 clinical adjunct faculty appointments, two at the rank of Assistant Professor and 26 at the rank of Lecturer. We also recruited 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-Marco 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).



L to R: Drs. Justin Cottrell, Terence Fu, Daniel Joonil Lee, Shireen Samargandy and Neil Verma.

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 Porphyosome 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.

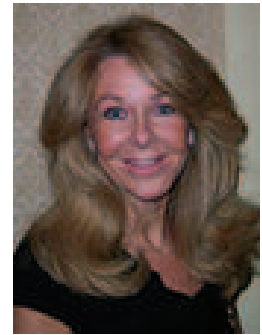
Dr. Joe Chen has completed his 10-year term as Otolaryngologist-in-Chief at Sunnybrook and a search committee has selected Dr. Dan Enepekides as his successor. We will be having a celebration for Joe in September 2017 as he has had a remarkable term as chief including the growth of an already world class clinical and research powerhouse in otology/neurotology.



KY Chow with his wife Vera

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.



Dr. Brian O'Sullivan (centre) with Dr. John Waldron (left) and Dr. Fei-Fei Liu (right)

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>.
- 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 - Underserved 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.

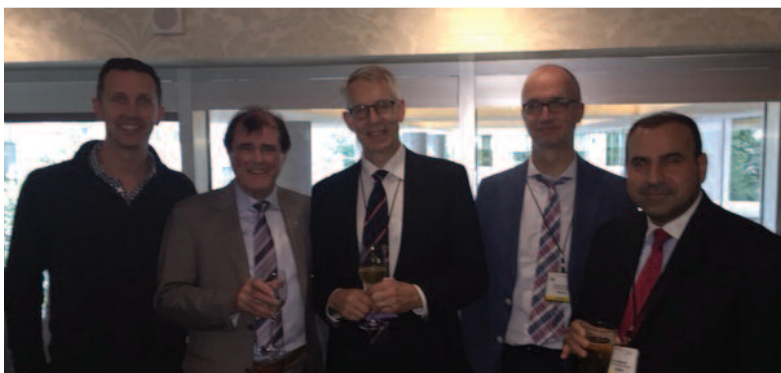
I am indebted to our wonderful faculty, residents, fellows and administrative staff for making our department so strong.

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
FACULTY

Faculty Members

Newest appointments denoted with an asterisk ()*

Professor and Chair

I.J. Witterick, MD, MSc, FRCSC

Professores Emeriti:

S.M. Abel, PhD
P.W. Alberti, MB, PhD, FRCSC, FRCS
B.D. Birt, MB, FRCSC, FRCS
T.D.R. Briant, MD, FRCSC
W.S. Crysdale, MD, FRCSC
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-FRCSI
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. Ralhan, 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. Dabdoub, PhD

M.J. Davidson, MD, MSc, FRCSC
D. Enepekides, 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, HBSc
K.Y. Chow, MB, FRCSC, FACS
S. Cushing, MD, MSc, FRCSC
J. de Almeida, MD, MSc, FRCSC
A. Dimitrijevic*, 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, FRCS (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. Vecsan, 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

J. Atlas, MD, BSc, FRCSC
 S. Banglawala, MD, BSc, MPH, FRCSC
 G. Beard, MD, FRCSC
 G. Belchetz, MD, BSc, FRCSC
 D. Brown, MD, FRCSC
 R. Burke*, MD, FRCSC
 L. Carinci, MCISc, BSc (Hon)
 R. Chaban, MD, FRCSC
 M. Chang, BSc, MD, FRCSC
 N. Chauhan, MD, FRCSC
 J. Chung, MD, BSc, FRCSC
 D. Dalgorf, MD, BSc (Hon), FRCSC
 T. Davids, MD, FRCSC
 S. Druker, MSc(A)
 C. Falls, BA Psychology, BHSc, MCISc
 V. Fernandes*, MD, FRCSC
 D. Finkelstein, MD, FRCSC
 A. Gevorgyan, MD, MSc, FRCSC
 G. Goulding, MCISc
 A. Grewal, MD, BHSc, FRCSC
 D. Hacker, MD, FRCSC
 B. Hassouneh, BSc, MD, FRCSC
 R. Hekkenberg, MD, FRCSC
 B. Hubbard, MD, BSc, FRCSC
 T. Kandasamy, MD, BSc, FRCSC
 A. Katyal, MD, FRCSC
 W. Kaul, MD, FRCSC
 M. Korman, MD, BA, FRCSC, DAB Oto
 E. LeBlanc*, BSc, AuD
 A. Lee, MD, MSc, CCFP(EM), FRCSC
 R. Leung, MD, BSc, FRCSC
 B.T.M. Lui, MD, BSc, MSc, FRCSC
 L. MacDonald, MSc
 B. Marcarian, MD, FRCSC
 J. Mendelsohn, MBChB, FRCSC
 K. Nazarali, MD, FRCSC, FACS
 A. Oh, MD, BSc, FRCSC
 X. Punthakee, MD, BSc, FRCSC
 R. Rival, MD, FRCSC
 R. Seaberg, MD, HBSc, PhD, FRCSC
 L. Segall, MD, MSc, FRCSC
 J. Shahin, MD, FRCSC
 K. Smilsky, MCISc
 P. Solomon, MD, FRCSC
 E. Thurier, MCISc
 V. Toran, MD, BSc, FRCSC
 A. Toth, MD, FRCSC
 S. Vojvodich, MD, FRCSC
 K. Williams, MD, MSc
 J. Witte, MA
 A. Wong, MD, BSc, FRCSC
 E. Wong, MCISc

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, FRCPC, Radiation Oncology
 F. Gentili, MD, FRCSC, FACS, Surgery
 S. Kamel-Reid, MA, PhD, Laboratory Medicine & Pathobiology
 F-F. Liu, MD, FRCPC, Radiation Oncology
 B. O'Sullivan, MB, FRCPC, Radiation Oncology
 J. Ringash, MD, BSc, MSc, FRCPC, Radiation Oncology
 L.E. Rotstein, MD, FRCSC, Surgery
 P.G. Walfish, MD, FRCPC, Medicine
 A.M-F. Wong, MD, PhD, FRCSC, FAAO, Ophthalmology & Vision Sciences
 N. Zamel, MD, FRCPC, Medicine

Associate Professors:

E. Kassel, DDS, MD, FRCPC, Medical Imaging
 J. Lazor, RPh, BScPhm, MScPhm, EdD, FRSH, Dept of Family & Community Medicine
 R. Martino, MSc, MA, PhD, Speech Language Pathology
 B. Perez-Ordoñez, MD, FRCPC, Laboratory Medicine & Pathobiology
 S. Symons, BSc, MPH, MD, FRCP C, Medical Imaging
 J. Waldron, MD, FRCPC, Radiation Oncology
 E. Yu, MD, FRCPC, 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, FRCPC, Pediatrics
 S. Laughlin, MD, FRCPC, Medical Imaging
 B.Y. Ngan, MD, FRCPC, Laboratory Medicine & Pathobiology

Lecturers:

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

Administrative Staff:

Michael Figueiredo, Postgraduate/Undergraduate Administrator
 Audrea Martin, Business Officer
 Sonia Valente, Chair's Assistant/Department Executive Assistant

Honours and Awards

ADAMSON, P

2016 CAFPRS Lecture of Honour, Canadian Academy of Facial Plastic and Reconstructive Surgery Annual Meeting, Toronto. Topic: Tip Suture and Refinement Techniques.

2016 Order of Ontario, Government of Ontario.

BARTLETT, E

2016 Residency Program Teaching Honor Roll - Outstanding Teaching Award, Dept of Medical Imaging, Faculty of Medicine, University of Toronto. (Postgraduate MD, Core Program).

2016 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.

BRADLEY, G

2017 Award of Distinction, Faculty of Dentistry, University of Toronto.

CAMPISI, P

2017 Gabriel F. Tucker Award, American Laryngological Association.

2017 CAME Certificate of Merit. Canadian Association of Medical Education.

2017 Excellence in Postgraduate Medical Education Award. Faculty of Medicine, University of Toronto.

CHAN, Y

2017 2017 Award for Excellence in Community-Based Teaching (Community Hospital).

2017 Joseph K. H. Wong/Smile China Project Award in Global Health & Outreach, University of Toronto, Faculty of Medicine.

2016 Committee Excellence Award Recipient, American Academy of Otolaryngology – Head & Neck Surgery (Distinction).

CHEPEHA, D

2016 Honorary Membership, Israeli Society of Head and Neck Surgery and Oncology.

CUSHING, S

2016 Dean's Alumni Rising Star Award, Faculty of Medicine, University of Toronto.

ELLIS, D

2017 Lifetime Achievement Award, Canadian Society of Otolaryngology-Head & Neck Surgery.

ENEPEKIDES, D

2016 Leo N. Steven Excellence in Leadership Award, Sunnybrook Health Sciences Centre.

GANTOUS, A

2016 Nominated for Best Teacher Postgraduate Education, Department of Medical Education, St. Joseph's Health Centre.

GILBERT, R

2017 Distinguished Alumnus Award. Department of Otolaryngology - Head & Neck Surgery, Faculty of Medicine, University of Toronto.

GORDON, K

2017 Elected Co-Chair. 2019 Conference on Implantable Auditory Prostheses, Lake Tahoe, CA.

2017 Invited Guest Editor. Special Edition on Unilateral Deafness, Hearing Research.

2016 Cochlear Americas Chair in Auditory Development.

IRISH, J

2017 Presidential Citation. American Head and Neck Society (Distinction).

LAUGHLIN, S

2017 Best Paper Award, Journal of Pediatric Neurology trainee mentoring program for the year 2016. (Research Award, Specialty: Co-author/Collaborator). Association between prolonged seizures and malignant middle cerebral artery infarction in children with acute ischemic stroke.

LIN, V

2017 Active Fellow in American Laryngological, Rhinological and Otological Society. Triological Society, San Diego, California. (Triological Thesis: Development of Cognitive Screening Test for the Severely Hearing Impaired: Hearing-Impaired MoCA).

2017 Joseph K. H. Wong/Smile China Project Award in Global Health & Outreach, Department of Otolaryngology-Head & Neck Surgery, University of Toronto.

LIU, FF

2016 Ted Phillips Distinguished Speaker, University of California San Francisco.

MONTEIRO, E

2017 Faculty Teacher of the Year Award. Department of Otolaryngology-Head & Neck Surgery. University of Toronto.

2017 Wightman-Berris Academy Individual Postgraduate Teaching Award. Faculty of Medicine. University of Toronto.

2017 Resident Advocate Award. Department of Otolaryngology-Head & Neck Surgery. University of Toronto.

PAPAIIOANNOU, V

2017 Volunteer Appreciation Certificate, Awards Committee, Speech-Language and Audiology Canada, Ottawa, Ontario (Distinction).

2017 SickKids Certificate of Recognition for Clinical Education, Hospital for Sick Children, Toronto, Ontario, (Distinction).

VESCAN, A

2017 Alma Smitheringale Excellence in Undergraduate Teaching Award. Department of Otolaryngology-Head & Neck Surgery, University of Toronto.

WITTERICK, I

2017 Lifetime Achievement Award, Journal of Otolaryngology - Head and Neck Surgery.

2016 Department of Surgery, Division of Otolaryngology - HNS Teacher of the Year Award

Leadership Activities

ADAMSON, P

2014-present	Member, International Advisory Board. JAMA Facial Plastic Surgery.
2011-present	Advisor. Pan Asian Academy of Facial Plastic and Reconstructive Surgery.
2011-present	Advisor. Facial Plastic Surgery Clinics Advisory Board.
1994-present	President and Founder. Face the Future™ Foundation.

Manuscript Reviewer

1997-present	The Laryngoscope. American Laryngological, Rhinological and Otolological Society.
1995-present	Otolaryngology-Head and Neck Surgery.
1981-present	Journal of Otolaryngology- Head and Neck Surgery.

American Academy of Facial Plastic and Reconstructive Surgery

2016-present	Mentor for AAFPRS Practitioner's Program.
2015-present	Senior Program Chairman, Advanced Rhinoplasty 2017, Chicago, Illinois, May 2017.
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	Journal of Critical Care.
2016	Health Services Insights (Journal).
2008-present	Journal of Otolaryngology-Head and Neck Surgery.

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.
2014-present	Editorial Board, Oral & Maxillofacial Pathology section, Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology (OORR Journal).
2013-16	Professional and Public Relations Committee, Canadian Academy of Oral and Maxillofacial Pathology and Oral Medicine.
1989-present	Secretary-Treasurer, Ontario Society of Oral and Maxillofacial Pathology and Oral Medicine.

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	Academic Continuity Working Group.
2014-present	Appointment and Promotion Committee, Faculty of Dentistry.
2014- 2017	Strategic Plan Implementation Committee.
2014-present	Academic Continuity Working Group.
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).

2012-present	Hospital Relations Committee.
2009-present	Curriculum Review subcommittee of Undergraduate Education Committee.
1993-present	Selection Committee for admission into the graduate program in Oral Radiology (Graduate Department representative).

BRANDT, MG

2017-present	Ontario Regional Delegate, Ontario Medical Association.
2016-present	Ontario Regional Representative, Canadian Academy of Facial Plastic & Reconstructive Surgery.
2014-present	Co-director; Resident Soft-Tissue Dissection Course, Division of Facial Plastic & Reconstructive Surgery.
2014-present	Ontario Regional Representative – Community, Canadian Society of Otolaryngology – Head & Neck Surgery.

Manuscript Reviewer

2012-present	Anatomical Sciences Education.
2011-present	International Forum of Allergy & Rhinology.
2010-present	American Journal of Rhinology & Allergy.
2008-present	The Laryngoscope.
2007-present	Journal of Otolaryngology-Head & Neck Surgery.

BROWN, DH

Editorial Boards

2007-present	The Laryngoscope.
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CAMPISI, P

Canadian Society of Otolaryngology - Head and Neck Surgery

2015-present	Chair. Bylaws.
2013-present	Member, Fellowship Committee
2012-present	Chair, Pediatric Otolaryngology Study Group

Royal College of Physicians and Surgeons of Canada

2012-present	Member, Otolaryngology – Head and Neck Surgery Specialty Committee
2012-present	Member, Otolaryngology – Head and Neck Surgery Examination Committee

University of Toronto

2012-present	Member, Foundations of Surgery Committee
2012-present	Otolaryngology Representative, Postgraduate Medical Education Advisory Committee

Manuscript Reviewer

2010-present	Journal of Pediatric Hematology and Oncology.
2009-present	Pediatric Infectious Disease Journal.
2006-present	JAMA Otolaryngology Head & Neck Surgery.
2005-present	Journal of Otolaryngology - Head & Neck Surgery.
2005-present	The Laryngoscope.
2004-present	International Journal of Pediatric Otorhinolaryngology.
2004-present	Paediatrics and Child Health.

CHAN, Y**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.
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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.
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Manuscript Reviewer

2014-present	American Journal of Rhinology & Allergy.
2014-present	International Forum of Rhinology and Allergy.
2012-present	Journal of Otolaryngology-Head & Neck Surgery.

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.
2014-present	Organizer, Combined East GTA Otolaryngology Journal Club (NYGH, TEGH, RVHS, TSH Hospitals).
2013-present	Member, Credentials Committee, Rouge Valley Health System.
2011-present	Assessor, Out of Hospital Premises Inspection Program (OHPIP). College of Physicians and Surgeons of Ontario.
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

2007-2017	Chief, Department of Otolaryngology-Head & Neck Surgery.
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.
1995-present	Journal of Otolaryngology-Head & Neck Surgery.

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

2017-present	Co-Editor, Journal 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	Journal of Otolaryngology-Head & Neck Surgery.
2001-present	The Laryngoscope.
2001-present	Otolaryngology-Head and Neck Surgery.

CHIODO, A

2012-present	Reviewer/Interviewer, Admissions, Faculty of Medicine, University of Toronto.
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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	International Journal of Audiology.
2015-present	Otolaryngology - Head and Neck Surgery.
2015-present	Croatian Review of Rehabilitation Research.
2015-present	European Archives of Oto-Rhino-Laryngology.
2014-present	Pediatrics.
2013-present	The Laryngoscope.
2013-present	Cochlear Implants International.
2013-present	Ear and Hearing.
2012-present	PLOS ONE.
2012-present	The Annals of Otology, Rhinology, and Laryngology.
2011-present	International Journal of Pediatric Otorhinolaryngology.

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	Journal of the Association of Research in Otolaryngology.
Present	Neuroscience.
Present	Neuroscience Letters.
Present	PLoS Genetics.
Present	PLoS One.
Present	Proteomics.
Present	Seminars in Cell and Developmental Biology.
Present	Scientific Reports.

DE ALMEIDA, J

2017-present	Skull Base Symposium Organizing Committee. University of Toronto Diagnostic Neuroradiology Fellowship Program.
2015-present	Value Based Care Committee. North American Skull Base Society.
2015-present	Cancer Care Ontario - Disease Pathway Management for Oropharynx Cancer.

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.
2016-present	Journal of Otolaryngology - Head & Neck Surgery.
2014-present	Annals of Otology, Laryngology, Rhinology.
2014-present	Cancer.
2012-present	Head & Neck.
2009-present	The Laryngoscope.

ENEPEKIDES, D

2016	Scientific Review Committee. 9th International Conference on Head and Neck Cancer, Seattle, WA.
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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.
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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.

FALLS, C

2014-present	Co-Editor, Tech Reviews, ENT & Audiology News.
2015-present	Member and Co-author, Canadian Vestibular Best Practice Guidelines Committee.
2015-present	Member, Ontario Association of Speech-Language Pathologists and Audiologists.
2013-present	Member, National Vestibular Special Interest Group.
2011-present	Member, College of Audiologists and Speech-Language Pathologists of Ontario.
2011-present	Member, Canadian Academy of Audiology.
2011-present	Clinical Supervisor, Audiology and SLP students.

FREEMAN, J

1989-present	Review Board. Head & Neck.
1989-present	Editorial Board. Operative Techniques in Otolaryngology - Head and Neck Surgery.

GANTOUS, A

2014-2017	Canadian Region representative Executive Board of AAFPRS.
2016-present	CAFPRS representative Executive Board of the IFFPSS.
2015-present	Editorial board for Facial Plastic Surgery.
2015-present	Treasurer, CAFPRS.

GILBERT, R

2017	President. International Academy of Oral Oncology.
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Cancer Care Ontario

1991-present	Member, Practice Guidelines Initiative, Provincial Head and Neck Cancer Disease Site Group.
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National Cancer Institute of Canada (NCIC)

2005-present	Co-Chair, Head and Neck Clinical Trials Group.
2001-present	Member, Head and Neck Site Group.

Princess Margaret Cancer Centre

2008-present	Chair, Cancer Program Quality Committee.
2001-present	Member, Management Council, Department of Surgical Oncology.
2001-present	Member, Cancer Committee.

University Health Network

2009-present	Member, Board of Trustees.
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Manuscript Reviewer

1999-present	Head and Neck Surgery.
1989-present	Journal of Otolaryngology-Head & Neck Surgery.

GOLDSTEIN, D**University of Toronto**

2014-present	Member. Faculty Council, Faculty of Medicine.
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American Academy of Otolaryngology- Head and Neck Surgery

2016-present	Member. Endocrine Surgery Committee.
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American Head & Neck Society

2016-present	Member. Leadership Committee for the Endocrine Section.
2016-present	Member. Endocrine Committee.
2015-present	Member. Publications Committee.

Cancer Care Ontario

2016-present	Member. Oropharyngeal Cancer Pathway Map Working Group.
2016-present	Member. Primary Excision Margins and Sentinel Lymph Node Biopsy in Cutaneous Melanoma Expert Panel Working Group.

American Cancer Society

2016 Member. Expert Panel, Head and Neck Cancer Survivorship Care Guidelines: American Society of Clinical Oncology Clinical Practice Guideline Endorsement.

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 Reconstructive Microsurgery.
 2012-present Journal of Skin Cancer.
 2012-present Journal of Surgical Oncology.
 2009-present European Journal of Cancer.
 2009-present World Journal of Surgery.
 2008-present JAMA Otolaryngology-Head & Neck Surgery.
 2007-present Canadian Medical Association Journal.
 2007-present Head & Neck.
 2006-present Journal of Otolaryngology-Head & Neck Surgery.
 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.
 2016 Chairperson, featured session, Child development: Ears and brains, World Congress of Audiology 2016.
 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

2016 Conference Chair Guest of Honour. American Head & Neck Society. 9th International Conference on Head and Neck Cancer. Seattle, Washington.
 2007-present Associate Editor. Head & Neck.
 2005-present Council Member. International Federation of Head and Neck Oncologic Societies.

Editorial Boards

2005-present Member. Journal Auris Nasus Larynx, International Journal of ORL & HNS (Elsevier) – Japan.
 2003-present Member. On Line Journal Head and Neck Surgery-Oncology.
 2000-present Member. The Laryngoscope.
 1993-present Member. American Journal of Otolaryngology.
 1991-present Member. Journal of Skull Base Surgery.
 1991-present Member. Les Annales d'Otolaryngologie et de Chirurgie Cervico-Faciale (France).
 1989-present Member. American Academy of Otolaryngology - Head and Neck Surgery, SIPac Faculty.

Manuscript Reviewer

2004-present	Lebanese Journal.
2002-present	Journal of Vascular Surgery.
1991-present	Skull Base.
1991-present	Les Annales d'Otolaryngologie et de Chirurgie Cervico-aciale (France).
1981-present	Journal of Otolaryngology-Head & Neck Surgery.

HARRISON, RV

2016	Founding Member. Canadian Hearing and Auditory Research Translation (CHART) group meeting Toronto Oct. 13-15, 2016.
2016	Member of Canadian Cochlear Implant Centres Group (CCICG). Annual Meeting Nov 25 th 2016, Toronto, Ontario.
2016-2017	Member. CIHR Grants committee, fellowship competition.

HASSOUNEH, B**Manuscript Reviewer**

2015-present	JAMA Facial Plastic Surgery.
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HIGGINS, K

2017	Approved Section on Otolaryngology-Head and Neck Surgery-Regional Rep. OMA 2017 Single Election Period-OMA Elections Team.
2016-2017	Member. Oropharyngeal Cancer Pathway Map Working Group, Cancer Care Ontario.
2016-present	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.
2003-present	Fellowship Selection Committee. Division of Head & Neck Oncology and Reconstructive Surgery. Department of Otolaryngology-Head & Neck Surgery.

Manuscript Reviewer

2012-present	Craniomaxillofacial Trauma and Reconstruction.
2012-present	Thyroid.
2011-present	Clinical Otolaryngology.
2010-present	Otolaryngology-Head and Neck Surgery.
2010-present	Head & Neck.
2006-present	The Laryngoscope.
2005-present	Journal of Otolaryngology-Head & Neck Surgery.

HOLLER, T

2013-present	MSc Health Sciences Education Curriculum Committee. McMaster University.
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IRISH, J

2016-2017	Member. Scientific Review Committee. International Academy of Oral Oncology.
2014-present	Member. Advisory Committee Robotic Assisted Minimally Invasive Surgeries. Health Quality Ontario.
2012-2016	Conference Chair. 9 th International Conference on Head and Neck Cancer. Seattle, Washington.
2010-present	Associate Editor. Head & Neck.

2010-present	Member. Editorial Board. Head & Neck.
2005-present	Expert Reviewer. Canadian Cancer Society. Patient education.

Cancer Care Ontario

2012-present	Clinical Sponsor. Sarcoma Services Steering Committee.
2009-present	Chair. Models of Care Task Force-AFP-SRF Task Force.
2009-present	Member. Diagnostic Assessment Program Leadership Team.
2008-present	Clinical Lead. Multidisciplinary Cancer Conference Provincial Leadership Team.
2008-present	Member. Clinical Council.
2008-present	Member. Clinical Programs Operation Committee.
2008-present	Provincial Head. Surgical Oncology Program, Ontario.
2008-present	Chair. Cancer Surgery Coordinating Committee.
2004-present	Lead. Access to Care and Strategic Funding Initiatives, Surgical Oncology Program.

Ministry of Health and Long Term Care

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

American Head & Neck Society

2017-2018	President.
2016-2017	President-Elect.
2015-2016	Vice President.
2011-present	Member. Council.

Manuscript Reviewer

2015-present	Journal of Clinical Oncology.
2008-present	Cancer.
2003-present	The Laryngoscope.
2003-present	Otolaryngology-Head and Neck Surgery.
2002-present	Head & Neck.
2002-present	Journal of Surgical Oncology.
1999-present	JAMA Otolaryngology-Head & Neck Surgery.
1996-present	British Medical Journal.
1990-present	Journal of Otolaryngology-Head & Neck Surgery.

JAMES, A

2013-present	National In Training Examination Committee, Faculty of Medicine, Department of Otolaryngology - Head & Neck Surgery, Postgraduate MD, University of Toronto.
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Hospital for Sick Children

2014-present	Member. Medical Staff Association Committee, Toronto.
2013-present	Department of ORL-HNS Resource portfolio.

Editorial Boards

2016-present	Member. Journal of International Advanced Otolaryngology.
2016-present	Member. Otolaryngology & Neurotology.
2011-present	Member. Cochlear Implants International.
2008-present	Member. The Cochrane Library (Ear, Nose & Throat Disorders Group).

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.
2007-present	Paediatric Sedation Advisory Group, Toronto, Ontario.

LE, T

2017-present	Committee member for Selection Committee. Hurvitz Brain Sciences Summer Student Research Program. Sunnybrook Research Institute.
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LEE, A

2016	Integrate Objective Structural Clinical Examiner. University of Toronto.
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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.
2009-present	Journal of Otolaryngology-Head & Neck Surgery.
2008-present	ORL, Journal for Oto-Rhino-Laryngology, Head & Neck Surgery.

LIN, V

2017-present	Examiner. Royal College of Physicians and Surgeons of Canada.
2011-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.
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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.
2008-present	Journal of Otolaryngology-Head & Neck Surgery.

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.
2016	Presentation Reviewer. American Head & Neck Society, Abstract Review for the AHNS 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.
2015-2016	Committee member, Undergraduate medical education – Quality and Patient Safety Committee. Development and incorporation of a quality and patient safety education curriculum for undergraduate medical students. University of Toronto.
2015-2017	Committee member, Cancer Care Ontario. Thyroidectomy Quality Based Procedure (QBP) working group.
2016	Invited reviewer for neck dissection patient education material. Cancer Care Ontario.

PAPAIOANNOU, V

2016-present	Chair. Cochlear Implants in Children Position Paper Review Committee, Speech Language and Audiology Canada, Ottawa, Ontario.
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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.

PAPSIN, 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, Journal of Otology and Neurotology.
2006-present	Reviewer, JAMA Otolaryngology - Head and Neck Surgery.
2004-present	Reviewer, BMC Ear, Nose and Throat Disorders.
2004-present	International Journal of Pediatric Otorhinolaryngology.
2003-present	Otolaryngology-Head and Neck Surgery.
2003-present	The Laryngoscope.
2000-present	University of Toronto Medical Journal.
1998-present	Journal of Otolaryngology-Head & Neck Surgery.

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.
2017-2019	President. International Working Group on Endoscopic Ear Surgery.
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.
2008-present	Co-founder, International Working Group on Endoscopic Ear Surgery.
2006-present	Columnist, Internet Reviews, enT news.
2017-present	President, International Working Group on Endoscopic Ear Surgery.
2017-present	Committee Member, Disequilibrium Committee, AAOHNS.

Editorial Boards

2013-present	Member, Advancements in Cellular and Molecular Otolaryngology.
2013-present	Member, Journal of Surgery.
2012-present	Member, Conference Papers in Medicine.
2008-present	Member, ENT news.
2007-present	Member, Wiley, Clinical Otolaryngology.

Manuscript Reviewer

2013-present	Brain.
2013-present	European Archives of Oto-Rhino-laryngology and Head & Neck.
2013-present	Medical Science Monitor.
2013-present	The Annals of Otology, Rhinology, & laryngology.
2011-present	Journal of Clinical Medicine and Research.
2010-present	African Health Sciences.
2009-present	Canadian Medical Association Journal.
2005-present	Annals of the Royal College of Surgeons of England.
2005-present	Biomed Central – Health Informatics.
2003-present	British Medical Journal – Clinical evidence.
2007-present	The Laryngoscope.

PROPST, E

2017-present	Member. International Surgical Sleep Society Surgical Trials Workshop Group, United States.
2016-present	Member. Airway Reconstruction Outcomes Consensus Group, United States.
2016-present	Member. Periodic Fever Aphthous Stomatitis Pharyngitis, Cervical Adenitis (PFAPA) Clinical Pathway Development Committee, Childhood Arthritis and Rheumatology Research (CARRA). United States.
2016-present	Member. Program Committee, Society for Ear Nose and Throat Advances in Children (SENTAC). United States.
2016-present	Member. Guideline Development, Medical Screening and Monitoring, Vector Medical/Air Canada Jazz.
2016	Coordinator. 3 rd International Paediatric Open Airway Surgery Course, Toronto.
2016	Coordinator. 7 th International Paediatric Endoscopic Course, Toronto.

American Society of Pediatric Otolaryngology

2017-present	Member. Fellowship Committee.
2016-present	Member. Information Technology Committee.
2015-2017	Member. Fellowship Evaluation Subcommittee (of Fellowship Committee).

Hospital for Sick Children

2017-present	Member. Hospital Wide Morbidity and Mortality Committee.
2016-present	Supervisor. Safe tracheotomy care parent information booklet.
2015-present	Medical Advisor. Critical Airway Response Team.
2014-present	Member. Pierre Robin Sequence Working Group.
2014-present	Supervisor. Decreasing Tracheotomy Stay Initiative.
2013-present	Member. Multidisciplinary Tracheoesophageal Fistula (TEF) Clinic.
2013-present	Medical Advisor. Parent Education Group, Hospital Improvement Taskforce. Ambulatory Design Committee.
2013-present	Reviewer. Summer Studentship Grants.

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	BMC Pediatrics.
2014-present	The Laryngoscope.
2012-present	Sensors.
2006-present	International Journal of Pediatric Otorhinolaryngology.
2005-present	Canadian Medical Association Journal.

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).
2009-present	Member. Centre for Applied Research in Cancer Care (Health Economics, Services, Policy and Ethics). Canadian Centre for Applied Research in Cancer Control (ARCC).
2008-present	Member. PROBE: Patient-reported Outcomes and Behavioural Evidence, International Advisory Board, European Organization for Research and Treatment of Cancer (EORTC). Belgium.

National Cancer Institute

2009-present	Member. Head and Neck Cancer Previously Untreated, Locally Advanced Task Force.
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.
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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

2011-present	British Medical Journal.
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	International Journal of Radiation Oncology, Biology and Physics.
1999-present	Journal of Clinical Oncology.
1999-present	Journal of General Internal Medicine.
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 Otoneurological Consultant to the Workplace Safety and Appeals Tribunal.
1998-present	Editorial Board Otitis Diagnostica. Kommunikom Press.
1992-present	Editorial Board Member Canadian Journal of Diagnosis.

SHIPP, D

2015-2016	Member. Scientific Organizing Committee, 14 th International Conference on Cochlear Implants and Other Implantable Technologies, Toronto.
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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.
2010-present	CPSO Inspector. Out-of-Hospital Facilities.
2009-present	CPSO Practice Assessor. Otolaryngology-Head & Neck Surgery.
2002-present	Director. Canadian Academy of Facial Plastic and Reconstructive Surgery.
1999-present	Member. Community Academic Faculty, Department of Otolaryngology-Head & Neck Surgery, Faculty of Medicine, University of Toronto.

VESCAN, A

2013-present Member. Membership Credentialing Committee, North American Skull Base Society.

Canadian Society of Otolaryngology-Head & Neck Surgery

2011-present Member. Rhinology Working Group.

2011-present Member. UME Committee.

Manuscript Reviewer

2012-present Head & Neck.

2009-present Allergy and Rhinology.

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

2008-present The Laryngoscope.

2007-present Skull Base.

WITTERICK, I**Editorial Boards**

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

2015-present Member. International Forum of Allergy & Rhinology

2010-present Member. Skull Base

2009-present Member. Ear, Nose, and Throat Journal

1997-2017 Associate Editor. Journal of Otolaryngology - Head & Neck Surgery

North American Skull Base Society

2017-present President.

2016-2017 President-Elect.

2013-present Member. Surgical Education Committee.

2013-present Member. Executive Committee.

2011-present Member. Board of Directors.

World Congress on Thyroid Cancer

2014-2017 Member. Steering Committee, Third World Congress on Thyroid Cancer, July 27-30, 2017, Toronto.

Canadian Society of Otolaryngology-Head & Neck Surgery.

2017-present 2nd Vice-President.

2016-2017 2nd Vice-President Elect.

2016-present Member. Council.

2015-present Chair. Canadian Otolaryngology Academic Chairs (COACH) Committee.

2012-present Member. Canadian Otolaryngology Academic Chairs (COACH) Committee.

2002-present Member. Head & Neck Oncology Group.

2002-present Member. Rhinology Group.

Royal College of Physicians and Surgeons of Canada

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

2016-2017 Member. Resources Standards Development Working Group.

Faculty of Medicine, University of Toronto

2016-present Deputy Speaker. Faculty Council.

2016-present University Clinical Department Chair representative, Academic Health Sciences Network Medical Affairs Committee (TAHSNm).

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	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.
2005-present	Otolaryngology-Head and Neck Surgery.
2003-present	The Laryngoscope.
1993-present	Journal of Otolaryngology-Head & Neck Surgery.

ZAMEL, N

2000-present	Director of Pulmonary Function. Sinai Health System, Toronto.
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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.
2013-2016	Member. Longitudinal Integrated Clerkship 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

ANDERSON, J

2015-present 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.

BRADLEY, G

2016-2017 Co-Investigator. A Pilot Study of the Inflammatory Response in Oral Squamous Cell Carcinoma by Saliva, Plasma and Tissue Analysis. Dental Research Institute, Faculty of Dentistry (M.A. Magalhaes, PI) \$3,000.

CAMPISI, P

2016-2017 Co-Investigator. Medical Simulation and Independent Learning – Piloting OtoSim™ 3.0. Harry Barberian Scholarship. P. Campisi and V. Forte. \$5,000 CAD.

CHEPEHA, D

2016-present Principal Investigator. Rehabilitation of Head and Neck Cancer Patients with Biofeedback Training to Improve Speaking and Eating in Public. AHSC AFP Innovation Fund. University Health Network. \$190,870.00 CAD.

2015-present Co-Investigator. Physiological Flow of Liquids Used in Dysphagia Management. NIH Grant. University Health Network. \$2,576,130.00 CAD.

2016-2017 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 & Neck Surgery, University of Toronto. \$9,800.00 CAD.

CUSHING, S

2016-2017 Co-Principal Investigator. Screening for Vestibular Dysfunction in Children Receiving Ototoxic Medications. Speech-Language & Audiology Canada. PI: Papaioannou V. Collaborator: Gordon KA. \$2,500 CAD.

2015-2020 Collaborator. Overt responses during covert orienting; Novel biomarkers for the oculomotor system in health and disease. Canadian Institutes of Health Research (CIHR). PI: Corneil, Brian. \$739,381 CAD.

2014-2019 Co-Investigator. Tissue engineering of auricular cartilage implants for external ear reconstruction. Canadian Institutes of Health Research (CIHR). PI: Waldman, Steve. Collaborator: Higgins, Kevin. \$339,992 CAD.

2012-2017 Collaborator. Behavioural and neurophysiological effects of Transcranial Magnetic Stimulation in the Primate. Canadian Institutes of Health Research (CIHR). PI: Corneil, Brian. \$754,470 CAD.

DABDOUB, A

2017-2018 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.

2016-2018 Principal Investigator. Regeneration of auditory neurons for the treatment of hearing loss. Canada First Research Excellence Fund - Medicine by Design: New Ideas Grant. \$150,000.

2013-2018 Principal Investigator. Development of sensory and neural cells in the mammalian cochlea. Canadian Foundation for Innovation – Leaders Opportunity Fund. \$635,000.

2016-2017 Co- Principal Investigator. Growing supporting cells in culture: Towards high-throughput screens. Hearing Health Foundation (USA). 1 yr grant. \$165,000.

DE ALMEIDA, J

2016-2017 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.

GOLDSTEIN, D

2015-2018 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.

2015-2017 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 Gullane, Dr. Douglas Chepeha, Dr. Dale Brown, Dr. Karen Devon, Dr. Jeremy Freeman, Dr. Al Vescan and Dr. Eric Monteiro. \$193,145.88 CAD.

GORDON, K

2016 Screening for vestibular toxicity for children receiving ototoxic medications. Principle applicant: Vicky Papaioannou, Co-applicants: Sharon Cushing, Karen Gordon. Speech-Language and Audiology Canada Clinical Research Grant. \$2,500.

2013-2018 Primary Investigator. Restoring binaural hearing to children who are deaf. Co-investigator: Papsin, B.C., CIHR Operating Grant. \$623,602.

HARRISON, RV

2014-2019 Principal Investigator. The changing balance of neural inhibition vs. excitation during auditory system development. CIHR Operating Grant. \$118,803.

2016-2017 New imaging techniques for immuno-histo staining in the auditory brain. Harry Barberian Scholarship, University of Toronto. Jaina Negandhi and R.V. Harrison. \$5,000 CAD.

HIGGINS, K

2016-2018 Assessing the feasibility, acceptability, and Impact of Implementing Cancer Care Ontario's Psychosocial Oncology & 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.

2014-2018 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.

2012-2018 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.

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

2016-2018 Co-Principal Investigator. Nature-inspired smart nanoparticles for spectral-modulated photothermal and photodynamic therapy of cancer. CCSRI Innovation Grant. PI: Gang Zheng, Co-PIs: Jonathan Irish, Brian Wilson. \$200,000 CAD.

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.

2016-present Clinical Trial Development with Nanovista: An Interventional Imaging Agent Platform to Improve the Precision of Personalized Cancer Therapies. Princess Margaret Cancer Foundation. Innovation Accelerator Fund. PI: Zheng, Jinzi. Collaborators: J Irish, DA Jaffray, C Allen. \$250,000 CAD.

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

2016-2019 Co-Principal Investigator. Analysis of Circulating Tumor Cell Heterogeneity Using a Multi-Marker Microscale Capture Approach as a tool in the Management and Treatment of Cancer. Canadian Institutes of Health Research (CIHR) and Natural Sciences and Engineering Research Council of Canada (NSERC). Collaborative Health Research Projects. PI: Kelly, Shana and Irish, Jonathan. Collaborators: A Allan, T Cil, A Joshua, E Sargent. \$689,700 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.

2015-2017 Co-Principal Investigator. Personalized Porphysomes. Collaborative Translational Grant. PI: Irish, Jonathan and Zheng, Gang. \$300,000 CAD.

2015-2018 Co-Investigator. Improving Target Definition in Radiation Therapy Planning by the Spatial Registration of Optical Endoscopy Imaging with Volumetric Imaging. Canadian Institutes of Health Research (CIHR). PI: Weersink, Robert. Collaborators: Dr. John Cho, Dr. David Jaffray. \$93,527 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 Principal Investigator. Impact of nasoseptal flap harvest technique on olfaction following endoscopic transsphenoidal pituitary surgery: A single blinded randomized controlled trial. Harry Barberian Scholarship. Collaborators: Hong C, Davies J, Vescan A. \$5,000 CAD.

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; Rudmik, Luke; Sowerby, Leigh; Tewfik, Marc; Thavorn, Kednapa. Principal Investigator: Kilty, Shaun (Nominated); Fergusson, Dean. \$240,818 CAD.

2016-present Principal Investigator. Curcumin and Nigella Sativa as Novel Add-On Therapies for Chronic Rhinosinusitis with Nasal Polyposis: Two Pilot Studies. Harry Barberian Scholarship. Collaborators: Yip J, Hao, W. \$2,100 CAD.

LAUGHLIN, S

2012-2017 Collaborator. Examining the Relationship between White Matter Integrity and the Speed of Neuronal Processing in Children with Brain Tumours. Canadian Institute for Health Research. PI: Mabbott DJ. Collaborators: Bouffet E, Dockstader C, Doesburg S, Gaetz W, Laughlin S, Tabori U. \$640,915 CAD.

2012-2017 Co-Investigator. A Randomized Controlled Trial of Hybrid and Norwood Surgical Strategies for Single Ventricle Congenital Heart Disease. Canadian Institute of Health Research (CIHR). Operating Grant, Canadian Institute of Health Research. PI: Caldarone, Christopher. Collaborators: Dennis M, Guerguerian AM, Schwartz S, Van Arsdell G, Chaturvedi R, Grosse-Wortmann L, Holtby H, Laughlin S, McCrindle B, Sananes R. \$733,501 CAD.

2013-2017 Collaborator. Quantifying Brain Injury on computed tomography in hospitalized children: A perspective trial. Canadian Institutes of Health Research (CIHR). Operating Grant. PI: Guerguerian A. Collaborators: Bigler E. Hutchison J. Kulkarni A. Laughlin S. Parshuram C. Raybaud C. \$617,192 CAD.

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 Co-Investigator. Comparing the Effect of Autologous Platelet Products and Epidisc on Tympanic Membrane Perforation Healing in Office-Based Tympanoplasties. Department of Otolaryngology - Head & Neck Surgery. Harry Barberian Scholarship. PI: Bensoussan, Yael. \$6,550 CAD.

2015-2016	Co-Investigator. Hair Cell Regeneration in the Vestibular System using the Wnt and Notch Pathways. Department of Otolaryngology - Head & Neck Surgery. Harry Barberian Scholarship. PI: Geng, Ruishuang. \$5,000 CAD.
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

2017-2022	Principal Investigator. Seeking Molecular Signatures for Nasopharyngeal Carcinoma. Project Grant Competition, Canadian Institutes of Health Research (CIHR). Collaborators: Bratman S, Bruce J, Haibe-Kains B, Pugh T, Weinreb I, Xu W, Yip K, Le QT, Ng LWT. \$1,147,500 CAD.
2016-2017	Co-Investigator. Detection of Genomic Clonal Heterogeneity in Oral Cavity Squamous Cell Carcinoma. Radiation Medicine Program, Princess Margaret Cancer Centre. Collaborators: Bratman S (PI), Pugh T, Ailles L. \$100,000 CAD.
2016-2017	Principal Investigator. Seeking Molecular Signatures for Nasopharyngeal Carcinoma. Canadian Institutes of Health Research (CIHR). Collaborators: Bratman S, Bruce J, Haibe-Kains B, Pugh T, Weinreb I, Xu W, Yip K. 100,000 CAD.
2015-2017	Principal Investigator. Epigenetic reprogramming of radiation fibrosis using adipose-derived stromal cells. Canadian Cancer Society Research Institute (CCSRI). Collaborators: Ailles L, De Carvalho D, Haibe-Kains B. \$200,000 CAD.
2013-2018	Co-Investigator. Novel ultrasound-activated microbubble enhancement of radiation response: Optimization of response. Canadian Institutes of Health Research (CIHR). Collaborators: Czarnota GJ, Kolios MC (Co-PIs). \$706,608 CAD.

MONTEIRO, E

2017	Co-Investigator. Measuring the validity of a thyroid ultrasound guided fine needle aspiration biopsy simulator. Harry Barberian Scholarship. Xu Jason, Vescan A. \$7,000 CAD.
2016	Primary Investigator. Creation of an educational time out in Otolaryngology-Head & Neck Surgery. Harry Barberian Scholarship. Davies J, Xu J, Manojlovic Kolarski M, Rai S, Laliberté F. \$3,240 CAD.
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.
2016	Primary Investigator. Improving the Perioperative Experience of Otolaryngology Patients using a web-based and smartphone application. Harry Barberian Scholarship. Bensoussan Y, Vescan A, Witterick I. \$10,000 CAD.

PAPAIIOANNOU, V

2016-2017	Co-Principal Investigator. Screening for Vestibular Dysfunction in Children Receiving Ototoxic Medications. Speech-Language & Audiology Canada. Principal Investigator: Papaioannou V. Collaborators: Cushing SL, Gordon KA. \$2,500 CAD.
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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.
- 2014-present Principal Investigator. Development and testing of a realistic model for teaching tracheotomy to trainees. Hospital for Sick Children Perioperative Services. Perioperative Services Innovation Grant. Collaborator: Forte, Vito. \$9,500 CAD.
- 2012-present Principal Investigator. Development of a novel sensor to detect intravenous extravasation and prevent injury. Hospital for Sick Children Perioperative Services. Perioperative Services Innovation Grant. Collaborators: Carillo B, Forte V. \$10,000 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 Fletchner, Hennig. 300,000 Euro.
- 2016-2018 Co-Investigator. A pan-Canadian evaluation of cancer patients' out-of-pocket costs and their correlation with quality of life. Canadian Cancer Society Research Institute (CCS-RI). ARCC (Applied Research in Cancer Control). PI: Longo C, Krahn M. Collaborators: Fitch M, Grignon M, Olsen R, Jones J, Turner D, Bondy S, Ringash J, Cheung W, Kazanjian A, Linden W. \$185,000 CAD.
- 2015-2018 Co-Investigator. HE.1: Phase III randomized controlled trial of the efficacy of single fraction radiotherapy for palliation of pain from liver cancers. Canadian Cancer Society-Research Institute (CCS-RI). CCS-RI Quality of Life Grants. PI: Dawson, Laura. Collaborators: Ringash J, Wong R, O'Callaghan C, Zimmerman C, Tu D, Jonker D. \$299,916 CAD.
- 2014-2019 Co-Investigator. NCTN - Canadian Collaborating Clinical Trials Network. National Institutes of Health. CA180863. PI: Meyer, Ralph. Collaborators: Bradbury P, Bramwell V, Brundage M, Chapman J-A, Chen B, Chi K, Cleary L, Couban S, Crump M, Dancey J, Ding K, Fung Kee Fung M, Gelmon K, Goss G, Hirte H, Jonker D, Leigh N, Mason W, Mittmann N, O'Callaghan C, Parulekar W, Petrella T, Pho L, Richardson H, Ringash J, Saad F, Sadura A, Seymour L, Shepherd L, Stanton H, Tsao M, Tu D, Ung Y, Urton A, Whelan T, Wong R. \$15,115,287 USD.
- 2014-present Co-Principal Investigator. Development and pilot evaluation of a rehabilitation consult for survivors of head and neck cancer. CCS-RI Innovation Grants. PI: McEwen, Sara and Ringash, Jolie. Collaborators: Davis, Aileen; Jones, Jennifer; Martino, Rosemary; Poon, Ian; Rodriguez Ana Maria. \$199,930 CAD.
- 2013-2017 Co-Investigator. A randomized phase III trial of preoperative chemoradiotherapy vs preoperative chemotherapy for resectable gastric cancer (TOPGEAR). National Health and Medical Research Council, Australia. APP1046425. PI: Leong, Trevor. Collaborators: O'Callaghan C, Wong R, Ringash J, Swallow C, Darling C et al. 394,912 AUD.
- 2012-2019 Co-Investigator. NCIC-CTG GA.1/TROG-AGITG "TOPGEAR": Phase III trial of neoadjuvant chemoradiotherapy vs chemotherapy alone, followed by surgery and adjuvant chemotherapy, in potentially resectable gastric cancer. Canadian Institutes of Health Research (CIHR), NCIC-Clinical Trials Group (Canada), Trans-Tasman Radiation Oncology Group (Australia/NZ). CIHR operating grants. PIs: Leung T (Australia), Wong R (Canada). Collaborators: Quality of Life Coordinator (Canada): Ringash J. \$2,664,529 CAD. [Clinical Trials].

2011-present	Co-Chair QOL. RTOG 1016: Phase III trial of radiotherapy plus cetuximab versus chemoradiotherapy in HPV-associated oropharynx cancer. Radiotherapy Oncology Group. PI: Trotti A, Gillison M. Collaborator: Co-Chair, Quality of Life: Ringash J. [Clinical Trials]. Per case funding.
2011-2018	Co-Investigator. A Randomized Phase III trial of preoperative chemoradiotherapy vs. Perioperative Chemotherapy for Resectable Gastric Cancer. Canadian Institutes of Health Research (CIHR). NCIC-CTG (Canada). PI: O'Callaghan C, Wong R (Canada). Collaborators: Darling G, Jonker D, Kollmansberger C, Liu G, Mittmann N, Ringash J, Swallow C, Tu D. \$1,690,829 CAD.
2008-present	International Advisor. PROBE: Patient Reported Outcomes and Behavioural Evidence. European Organization for Research and Treatment of Cancer. PI: Bottomley A. Collaborators: Advisory Board: Cleeland C, Flechtner H, Griemel E, Gotay C, King M, Osoba D, Reeves B, Ringash J, Schmucker von Koch J, Taphoorn M, Weis J.

VESCAN, A

2017	Co-Investigator. USGFNA Simulation Project. Harry Barberian Scholarship. \$7,000 CAD.
2017	Co-Investigator. Nasoseptal Flap Harvest Technique: Impact on Olfaction. Harry Barberian Scholarship. \$4,500 CAD.

ZAMEL, N

2013-2017	Principal Investigator. Chronic obstructive pulmonary disease diagnosis and phenotyping using volatile organic compounds analysis. Canadian Respiratory Research Network / Canadian Institutes of Health Research / Canadian Lung Association. \$ 25,000.
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ZIRKLE, M

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

RESIDENTS
& FELLOWS

Residents & Fellows

PGY 1

Neil Arnstead
Christopher Hong
Florence Mok
Christopher Noel
Jennifer Siu

PGY 2

Joel Davies
Frédéric 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, Frédéric 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

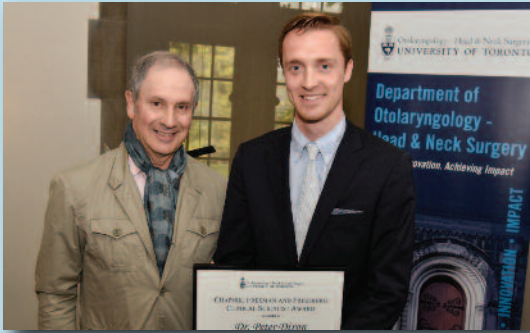
Fellowship	Fellow	Country of Training	Mentor(s)
Head and Neck Oncology	Jeffrey Blumberg Mohammed Bu Abbas (<i>to Sept 2016</i>) Wael Hasan Caitlin McMullen Matthew Mifsud Nidal Muhanna (<i>to Sept 2016</i>) Lenka Stankova Peter Vosler Han Zhang	USA Kuwait Ireland USA USA Israel USA USA Canada	University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

*Departmental
Award Program*

DEPARTMENTAL
AWARDS PROGRAM

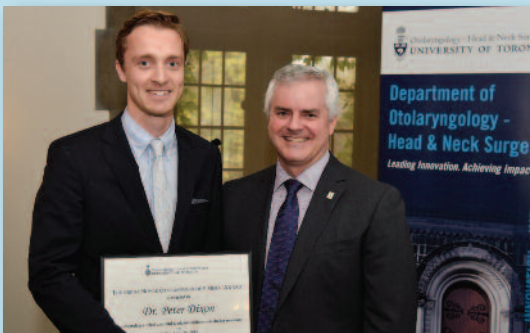
Departmental Awards Program

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



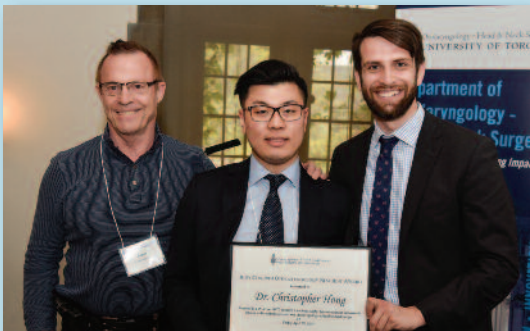
Dr. Peter Dixon received the Chapnik, Freeman and Friedberg Clinician Scientist Program Award – Awarded to a third or fourth year resident/fellow or junior faculty in the Department of Otolaryngology-Head & Neck Surgery enrolled in a Master of Science or Master in Education or PhD degree program at the 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. Monteiro (left) with Chief Resident Dr. Michael Au



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. Monteiro (second from left) with Drs. Witterick, Nedzelski and Alberti



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. Au (left) with Dean Trevor Young



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)

Magnetic Targeting Delivery of Stem Cell and Gene Therapies for the Treatment of Hearing Loss.

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.



Percy Ireland
Academic Day

PERCY IRELAND
ACADEMIC DAY

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
DEPARTMENTAL

Committees and Membership
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

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

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

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

Members: Peter Adamson, Ashlin Alexander, Sumeet Anand, Jamil Asaria, Jason Atlas, Sarfaraz Banglawala, D. Glenn Beard, Greg Belchetz, Michael Brandt, Deron Brown, Robert Burke, Roman Chaban, Michael Chang, Nitin Chauhan, Al Chiodo, K-Y Chow, Janet Chung, Kris Conrad, Dustin Dalgorf, Taryn Davids, William El Masri, David Ellis, Vinay Fernandes, David Finkelstein, Rick Fox, Andres Gantous, Artur Gevorgyan, David Goldfarb, Everton Gooden, Aman Grewal, David Hacker, James Haight, Jerry Halik, Basil Hassouneh, Robert Hekkenberg, Bradley Hubbard, Theresa Holler, Robert Josephson, Thileeban Kandasamy, Anil Katyal, William Kaul, Jack Kolenda, Mark Korman, Ambrose Lee, Randy Leung, Bosco Lui, Berge Marcarian, Jeffrey Mendelsohn, Robert Mounsey, Karim Nazarali, Raymond Ng, Alfred Oh, Xerxes Punthakee, Richard Rival, Raewyn Seaberg, Lorne Segall, Manish Shah, Jack Shahin, Oakley Smith, Alma Smitheringale, Philip Solomon, Victor Toran, Adam Toth, Sandra Vojvodich, Jeffrey Werger, Adrienne Wong

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

Committee

Reports

DEPARTMENTAL COMMITTEES REPORTS



Executive

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.



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 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).

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.



Residency Program Committee

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)



Jeopardy December 2016

was held on February 15, 2017 at the Foggy Dew Pub.



*Otolaryngology Jeopardy held December 9, 2016.
Winning team members of 'Gullane's Bipolars' (L to R):
Drs. Joel Davies, Christopher Yao & Jennifer Siu. Far left:
Michael Au aka Alex Trebek.*

2016-17 Graduation Ceremony June 15, 2017, Hart House











Continuing Professional Development

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

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

Courses Organized continued...

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

Invited Professors/Invited Guests

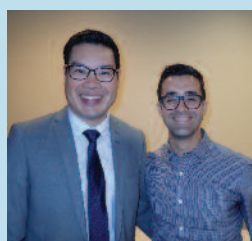
TITLE OF PRESENTATION		
	June 22-23, 2017 Yuri Nikiforov Department of Pathology University of Pittsburgh Medical Center	Personalized Management of Patients with Thyroid Nodules and Cancer Using Molecular Profiling Nomenclature Change for Thyroid Tumors: NIFTP
	May 18-19, 2017 Eric Genden Otolaryngology, Head and Neck Surgery Mount Sinai Hospital, New York	Healing is an Art, Medicine is a Profession, Health-care is a Business: Your Role as a Physician Leader? Long Segmental Tracheal Reconstruction: Dictum, Religion and Science

*Invited Professors/Invited Guests continued...***TITLE OF PRESENTATION****May 11-12, 2017****Richard Wong**

Chief, Head & Neck Service, Memorial-Sloan Kettering Cancer Center
(Annual Binstock Lecture)

Cancer's Got Nerve: Mechanisms of Perineural Invasion

Advances in Salivary Cancer Management

**May 5, 2017****Brian Wong**

Department of Medicine, Faculty of Medicine, University of Toronto

Building Capacity for Quality in an Academic Department

**April 28, 2017 Dan M. Fliss**

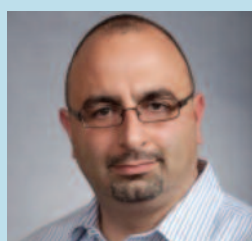
Department of Otolaryngology, Head and Neck Surgery
 and Maxillofacial Surgery
 Sackler Faculty of Medicine Tel-Aviv University, Israel
(Percy Ireland Oration & Grimm Lecture)

Skull Base Surgery, Lessons Learned

**April 21, 2017****Gauthier Desuter**

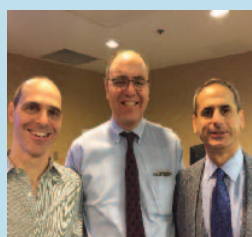
ENT Head & Neck Surgery Department
 Université catholique de Louvain,
 Brussels, Belgium

The Role of the Laryngologist in Oropharyngeal Dysphagia Management

**March 31, 2017****Alain Dabdoub**

Department of Otolaryngology-Head & Neck Surgery, Faculty of Medicine, University of Toronto
(Annual Tomlinson Lecture)

Auditory Neuron Development and Regeneration: A Pointillistic & 1,000-Foot View

**March 24, 2017****Christopher Hartnick**

Department of Otolaryngology
 Harvard Medical School

Pediatric Hypoglossal Nerve Stimulation for Severe Obstructive Sleep Apnea in Down Syndrome Children

Invited Professors/Invited Guests continued...

TITLE OF PRESENTATION		
	March 16-17, 2017 Joseph Dort University of Calgary	Enhanced Recovery After Surgery (ERAS): An Approach to Improving Surgical Outcomes Transforming Healthcare Delivery in Head & Neck Surgery
	March 3, 2017 Brett Miles Department of Otolaryngology-Head & Neck Surgery Icahn School of Medicine, New York	Oncology, the Forgotten Art in Head & Neck Oncologic Surgery? Next Level Head & Neck Surgery: Self-Awareness and Bias Avoidance for Success in Academic Surgery
	February 17, 2017 Marlene Bagatto National Centre for Audiology Western University <i>(Annual Krista Riko Lecture)</i>	Fitting Hearing Aids to Babies: Applying Science & Technology to Support Positive Outcomes
	February 10, 2017 Jeanette Goguen Department of Medicine, Faculty of Medicine, University of Toronto	Teaching about MD-Pharma interactions: Just say no?
	February 3, 2017 Brian Rotenberg Department of Otolaryngology-Head & Neck Surgery Western University	The Surgeon's Role in Sleep Apnea: Waking Up to Modern Evidence
	October 21, 20016 Robin Cotton Department of Pediatrics University of California	My Time in Pediatric Otolaryngology

*Invited Professors/Invited Guests continued...***TITLE OF PRESENTATION****November 11, 2016****Perry Mansfield**

Department of Otolaryngology-Head & Neck Surgery, California

A Canadian Head & Neck Surgeon's Journey in the Ever Changing Landscape of the American Healthcare System

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. Audrea 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

More info at <http://bit.ly/2r5icgx>

November 10-11, 2017

Otology Update

November 29-30, 2017

Endoscopic Ear Surgery Workshop

More info at <http://www.orlpd.com>

November 29-30, 2017

Vestibular and Balance Disorders Workshop

More info at <http://www.orlpd.com>

November 29, 2017

Paediatric Endoscopic Airway & Esophageal Surgery Workshop

More info at <http://www.orlpd.com>

November 30, 2017

Cochlear Implant Workshop

More info at <http://www.orlpd.com>

November 30, 2017

Paediatric Open Airway Surgery Workshop

More info at <http://www.orlpd.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 for more information

Lumps, Bumps and Looks in Head and Neck – April 1, 2017



Paediatric Endoscopic & Open Airway Courses – October 20-21, 2016



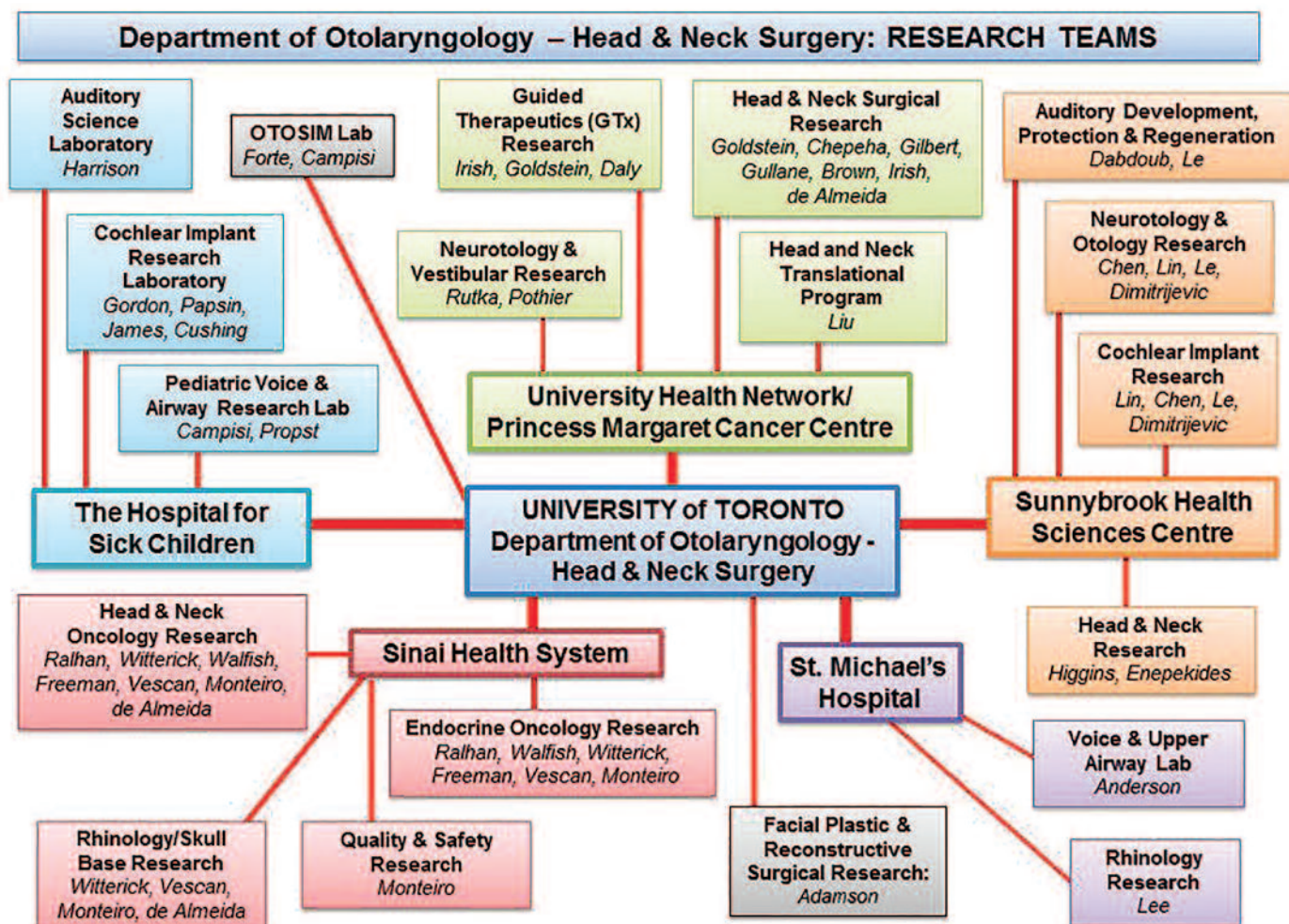


Research Committee

Dr. Robert V. Harrison (Chair)

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.



Audiology Committee

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

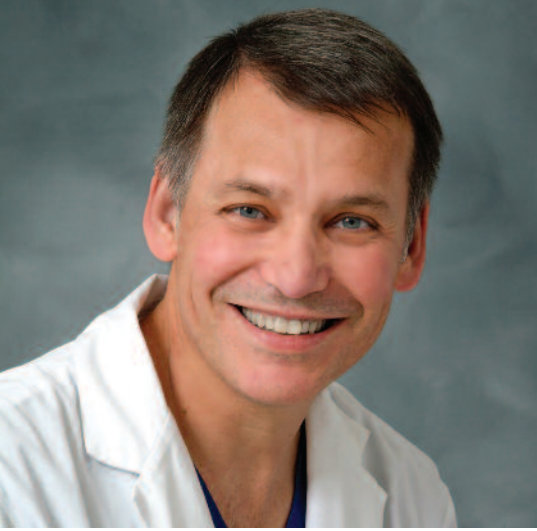
Dana Parker, Nadia Sandor, Eloise Thurier
Jill Witte, Erica Wong

Sunnybrook Health Science Centre

Julija Adamonis, David Shipp, Kari Smilsky
Ken Williams

University Health Network

Hailey Ainlay, Carolyn Falls, Emma Leblanc



Department Appointments Committee

Dr. Jonathan Irish (Chair)

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 mid-term 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.



Department Promotions Committee

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 sub-specialties 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.



Budget Advisory Committee

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.



Community Academic Faculty

Dr. Yvonne Chan (Lead)

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 of T 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.

CHAIR NAME	CHAIR HOLDER	ESTABLISHING GIFTS	TYPE
Mariano Antonio Elia Chair in Head and Neck Cancer Research	Fei-Fei Liu	\$2,500,000	Endowed
Kevin and Sandra Sullivan Chair in Surgical Oncology	Jonathan Irish	\$2,000,000	Endowed
The Wharton Chair in Head & Neck Surgery	Patrick Gullane	\$2,000,000	Endowed
The Gullane Family/O'Neil Family Chair	Ralph Gilbert	\$3,000,000	Endowed
Nicole Muzzo Voice Chair	Jennifer Anderson	\$1,793,000	Term
The Jordan and Lisa Gnat Family and Bastable-Potts Chair in Otol-HNS	Blake Papsin	\$3,000,000	Endowed
Cochlear Americas Chair in Auditory Development	Karen Gordon	\$3,000,000	Endowed
Temmy Latner/Dynacare Chair in Head and Neck Oncology	Jeremy Freeman	\$2,000,000	Endowed

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.



Quality and Safety Committee

Dr. Danny Enepekides (Chair)

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

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

Dale Brown, Douglas Chepeha, Jean Davidson, John de Almeida, Danny Enepekides, Jeremy Freeman, David Goldstein, Patrick Gullane, Kevin Higgins, Jonathan Irish, Eric Monteiro, Al Vescan, Ian Witterick.

Division of Rhinology

Head: Dr. John Lee

Saf Banglawala, Yvonne Chan, Al Chiodo, Dustin Dalgorf, John de Almeida, Ronald Fenton, Rick Fox, Artur Gevorgyan, Jack Kolenda, Randy Leung, Eric Monteiro, Allan Vescan, Jeffrey Werger, Ian Witterick.

Departmental
DEPARTMENTAL
Divisions Reports
DIVISIONS REPORTS



Division of Facial Plastic and Reconstructive Surgery

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, Audrea 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.

*Hospital
Reports*

HOSPITAL REPORTS



Hospital for Sick Children

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

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 our 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.



Michael Garron Hospital

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.

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.

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



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.



Sinai Health System

Dr. Ian Witterick (Otolaryngologist-in-Chief)

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 includes¹:

- **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



St. Joseph's Health Centre

Dr. Rick Fox (Otolaryngologist-in-Chief)

The Division of Otolaryngology-Head & Neck Surgery at St. Joseph's Health Centre (SJHC) is staffed by six otolaryngologists with special interest and expertise in neuro-otology, rhinology, facial plastic and reconstructive surgery, 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 Health 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.

Otolaryngology, family practice residents and medical students have continued their rotations throughout the last academic year. They have always rated their time at SJHC to be an extremely rewarding experience with the large volume of varied cases. Rhinology fellows, and in some cases facial plastic and reconstructive surgery fellows, learn from our faculty and are involved in the education and training of residents.



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.



Sunnybrook Health Sciences Centre

Dr. Joseph Chen (Otolaryngologist-in-Chief)

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.

The above has created opportunities in recruitment. Drs. Andrew Dimitrijevic, PhD, and Dr. Trung Le, MD, PhD were recruited to help support the Sunnybrook Cochlear Implant Program and the Sonja Koerner Inner Ear Laboratory, which has received an additional \$2M gift from the Koerner Foundation in support of our growth (see Sunnybrook Cochlear Implant Update). Dr. Danny Enepekides led a search with Drs. Chen and Chiodo for a new head & neck oncologist, a joint hire between the Sunnybrook HSC and the Michael Garren Hospital. Dr. Tony Eskander was the successful candidate who is completing his

clinical fellowship at the Ohio State University. His strength in health systems research in collaboration with the Institute of Clinical Evaluative Science (ICES) is a perfect match for the department that complements our strength with the close ties between Sunnybrook Research Institute (SRI) and ICES.

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

- Completed Trological thesis in May 2017.
- Sunnybrook AFP grant.

Dr. Danny Enepekides

- Leo Steven Award, Sunnybrook Leadership Award, 2017.
- Completion of the Rotman Advanced Health Leadership Program.
- Chair of the AO Principles of Facial Trauma Course, Boston Aug 26-27/2017.
- 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 Barbarian 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



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

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.



University Health Network

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.

Research

RESEARCH

TEAM REPORTS

The Hospital For Sick Children

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 UofT 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 UofT 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 Ganesathasan and Stephen Szeto, 3rd year medical students at UofT. Further studies conducted with residents and physician assistants are planned in the near future.

Development is well underway for OphthoSim Mobile™. 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 (Restrcomp 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.

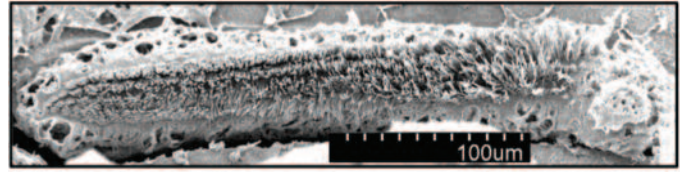
Auditory Science Lab

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 hearing organ (basilar papilla) of the lizard.

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>)

University Health Network

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).



Mobile Mandible technology using GTx Navigation Platform tested by clinical research fellow Dr. Wael Hasan in the GTx Lab



Dr. Hasan and Dr. Jonathan Irish in the GTx OR

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.

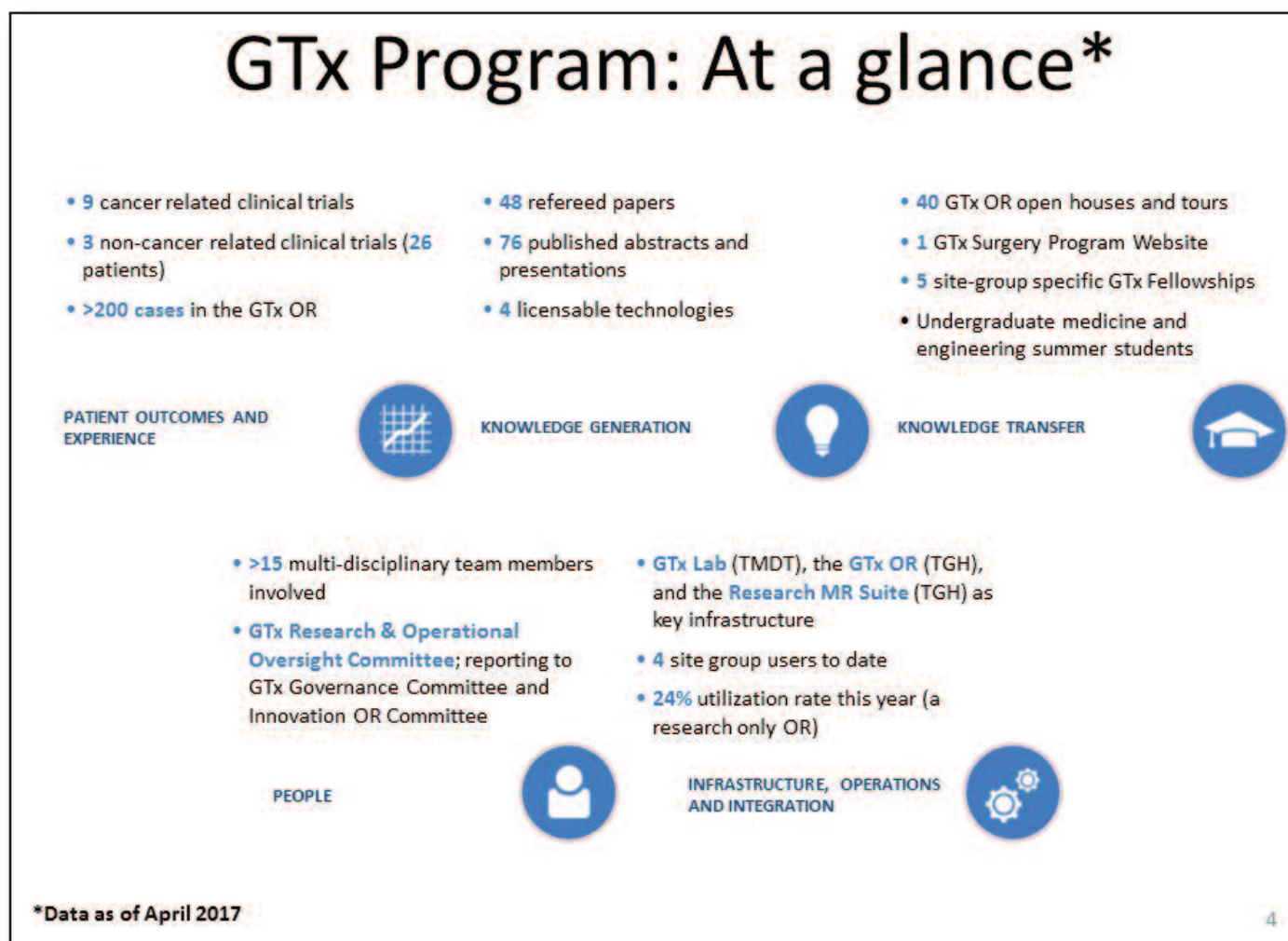
This year our research in partnership with Dr. Jay Wunder and Dr. Peter Ferguson at Sinai Health System prompted further development of our in house platform: GTx Eyes. Upon completion of a clinical trial in sarcoma surgery, we began a new development endeavour to remove the dependency of our software 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:



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.

Resident and fellow research is a major component of the research program. There have been a number of residents and fellows who have been mentored and supported by members of the head and neck surgery

research program. In the 2016–2017 academic year, the UHN surgeons had over 40 peer-reviewed publications.

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 multidisciplinary 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.

Sinai Health System

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 cytoscans 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”.

St. Michael's Hospital

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 FallVoice 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.

1. Shinghal T, Anderson J, Bharatha. Effects of Medialization Thyroplasty on Glottic Airway Anatomy: Cadaver Model. J Voice. 2016 Nov;30(6):757-757. doi: 10.1016/j.jvoice.2015.08.009.
2. Mendis D, Anderson J. Blunt Laryngeal Trauma secondary to Sporting injuries. J Laryngol Otol. 2017 Aug;131(8):728-735.
3. Naunheim MR, Le A, Dedmon MM, Franco RA, Anderson J, Song PC. The effect of handedness and laterality in a microlaryngeal surgery simulator Am J Otolaryngol. 2017 Jul - Aug;38(4):472-474. doi: 10.1016/j.amjoto.2017.04.009

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.

Sunnybrook Health Sciences Centre

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 Manitoba 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, total

ing 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.

Development of Cognitive Screening Test for the Severely Hearing Impaired: Hearing-Impaired MoCA. Lin VY, Chung J, Callahan BL, Smith L, Gritters N, Chen JM, Black SE, Masellis M. *The Laryngoscope*. May; 127 Suppl 1:S4-S11 (PMID: 28409842).

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 peri-operative 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 judicious 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 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.
- Surgeon-performed Ultrasound Guided Fine-Needle Aspirate Biopsy with Report of Learning Curve; A Consecutive Case-Series 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.

Humanitarian

**HUMANITARIAN
OUTREACH**

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

Face the Future™ Foundation

Peter Adamson, MD, FRCSC, FACS

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>



Church in Toronto on May 16, 2017

Resource Exchange International

Yvonne Chan, MD, FRCSC, MSc, HBSc

Joseph K. H. Wong/Smile China Project Award in Global Health & Outreach Update

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.



Our Hanoi Otolaryngology team 2017

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

Ear Surgery Camp - Bangladesh

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 earcamp 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/>



Underserved Area Program

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

We have continued to provide Underserved 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 underserved 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 underserved areas in Northwestern Ontario (Fort Francis, Rainy River and Kenora).



Drs. Chris Yao and Jason Xu in Dryden 2016

Mobile Ear Surgical Camp in Thailand

Beyond our Underserved 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.

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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.

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Pediatric Surgery International

Zani, A., Jamal, L., Cobellis, G., Wolinska, J.M., Fung, S., Propst, E.J., Chiu, P.P.L., Pierro, A.

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PLoS ONE

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Dynamic Expression of Sox2, Gata3, and Prox1 During Primary Auditory Neuron Development in the Mammalian Cochlea.
(2017) PLoS ONE. 12 (1), art. no. e0170568.

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?
(2016) Psychology, Health and Medicine. 21 (5), pp. 583-592.

Psychiatry Research

Gerretsen P, Pothier DD, Falls C, Armstrong M, Balakumar T, Uchida H, Mamo DC, Pollock BG, Graff-Guerrero A. Vestibular Stimulation Improves Insight into Illness in Schizophrenia Spectrum Disorders.
(2017 May) Psychiatry Res. 251:333-341.

Saudi Medical Journal

Aldrees T, Hassouneh B, Alabdulkarim A, Asad L, Alqaryan S, Aljohani E, Alqahtani K.
Burnout Among Plastic Surgery Residents: National Survey in Saudi Arabia.
(2017) Saudi Medical Journal. Vol. 38 (8) 1: 179-183

Scientific Reports

Mulvaney, J.F., Thompson, C., Noda, T., Nishimura, K., Sun, W.W., Lin, S.-Y., Coffin, A., Dabdoub, A.
Kremen1 Regulates Mechanosensory Cell Development in the Mammalian Cochlea and Zebrafish Lateral Line.
(2016) Scientific Reports. 6, 31668.

Seminars in Fetal and Neonatal Medicine

Parkes, W.J., Propst, E.J.
Advances in the Diagnosis, Management, and Treatment of Neonates with Laryngeal Disorders.
(2016) Seminars in Fetal and Neonatal Medicine. 21 (4), pp. 270-276.

Scientific Reports

Mulvaney, J.F., Thompson, C., Noda, T., Nishimura, K., Sun, W.W., Lin, S.-Y., Coffin, A., Dabdoub, A.
Kremen1 Regulates Mechanosensory Hair Cell Development in the Mammalian Cochlea and the Zebrafish Lateral Line.
(2016) Scientific Reports. 6, art. no. 31668.

The Journal of Laryngology and Otology

Hilly, O., Hwang, E., Smith, L., Shipp, D., Nedzelski, J.M., Chen, J.M., Lin, V.W.Y.
Cochlear Implantation in Elderly Patients: Stability of Outcome Over Time.
(2016) Journal of Laryngology and Otology. 130 (8), pp. 706-711.

Polonenko, M.J., Cushing, S.L., Gordon, K.A., Allemang, B., Jewell, S., Papsin, B.C.
Stimulation Parameters Differ Between Current Anti-Modiolar and Peri-Modiolar Electrode Arrays Implanted Within the Same Child.
(2016) Journal of Laryngology and Otology. 130 (11), pp. 1007-1021.

Rajakumar, C., Doyle, P.C., Brandt, M.G., Moore, C.C., Nichols, A., Franklin, J.H., Yoo, J., Fung, K.
A Paired Comparison Analysis of Third-Party Rater Thyroidectomy Scar Preference.
(2017) Journal of Laryngology and Otology. 131 (1), pp. 13-18.

The Laryngoscope

Akbari, P., Waldman, S.D., Cushing, S.L., Papsin, B.C., Propst, E.J., Weber, J.F., Yeager, H., Farhat, W.A.
Bioengineering Pediatric Scaffold-Free Auricular Cartilaginous Constructs.
(2017) The Laryngoscope. 127 (5), pp. E153-E158.

Chiu LL, To WT, Lee JM, Waldman SD.
Scaffold-Free Cartilage Tissue Engineering with a Small Population of Human Nasoseptal Chondrocytes.
(2017 Mar) The Laryngoscope. 127(3):e91-e99.

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

Three-Dimensional Virtual Navigation Versus Conventional Image Guidance: A randomized Controlled Trial.
(2016) *The Laryngoscope*. 126 (7), pp. 1510-1515.

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.
(2017) *The Laryngoscope*. 127, pp. S4-S11.

Parkes, W.J., Gnanasegaram, 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.
(2017) *The Laryngoscope*. 127 (2), pp. E75-E81.

Propst, E.J., Amin, R., Talwar, N., Zaman, M., Zweerink, A., Blaser, S., Zaarour, C., Luginbuehl, I., Karsli, C., Aziza, A., Forrest, C., Drake, J., Narang, I.

Midline Posterior Glossectomy and Lingual Tonsillectomy in Obese and Nonobese Children with Down Syndrome: Biomarkers for Success.
(2017) *The Laryngoscope*. 127 (3), pp. 757-763.

Selvadurai, S., Al-Saleh, S., Amin, R., Zweerink, A., Drake, J., Propst, E.J., Narang, I.

Utility of Brain MRI in Children with Sleep-Disordered Breathing.
(2017) *The Laryngoscope*. 127 (2), pp. 513-519.

Truong Lam, M., O'Sullivan, B., Gullane, P., Huang, S.H.

Challenges in Establishing the Diagnosis of Human Papillomavirus-Related Oropharyngeal Carcinoma.
(2016) *The Laryngoscope*. 126 (10), pp. 2270-2275.

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

Akbari, P., Waldman, S.D., Propst, E.J., Cushing, S.L., Weber, J.F., Yeger, H., Farhat, W.A.

Generating Mechanically Stable, Pediatric, and Scaffold-Free Nasal Cartilage Constructs In Vitro.
(2016) *Tissue Engineering - Part C: Methods*. 22 (12), pp. 1077-1084.

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.
(2017) *World Journal of Surgery*. 41 (6), pp. 1513-1520.

World Neurosurgery

Koutourousiou, M., Fernandez-Miranda, J.C., Vaz-Guimaraes Filho, F., de Almeida, J.R., Wang, E.W., Snyderman, C.H., Gardner, P.A.

Outcomes of Endonasal and Lateral Approaches to Petroclival Meningiomas.
(2017) *World Neurosurgery*. 99, pp. 500-517.

NON-PEER REVIEWED PUBLICATIONS

HARRISON, RV

Beware of Labels in Audiology.

(2017) Vol 3(4) Canadian Audiologist.

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

(2017) Vol 11 No 4; 1-4. Canadian Hearing Report.

Central auditory changes in SNHL.

(2017) Vol 26(2); 89-90. ENT and Audiology News.

From the Labs to Clinics: Etiology is important.

(2017) Vol 4 (3) Canadian Audiologist.

From the Labs to the Clinics.

(2017) Vol 4(2). Canadian Audiologist.

Presentations PRESENTATIONS

Visiting Professorships and Invited Lectures

INTERNATIONAL MEETINGS

AUSTRALIA

GOLDSTEIN, D

- 2017 May Invited Speaker. Debate on rare cancers should be managed in high volume centres. Royal Australasian College of Surgeons 86th Annual Scientific Congress. Adelaide, Australia.
- 2017 May Panel member. Masterclass: Interesting thyroid cancer cases panel. Royal Australasian College of Surgeons 86th Annual Scientific Congress. Adelaide, Australia.
- 2017 May Invited Speaker. Personalizing surgical oncology in older patients with head and neck cancer: using frailty rather than age as a predictor of outcome. Royal Australasian College of Surgeons 86th Annual Scientific Congress. Adelaide, Australia.
- 2017 May Invited Speaker. Reconstruction of the Mandible with the Scapula Tip Flap. Royal Australasian College of Surgeons 86th Annual Scientific Congress. Adelaide, Australia.
- 2017 May Invited Speaker. Surgical Volume and Regionalization in Head and Neck Cancer. South Australian Head and Neck Group. Adelaide, Australia.

PAPSIN, B

- 2016 Nov Invited Faculty. 1. The Electro-Neural Interface, 2. Panel Moderator: Factors Influencing Electrode Choice. 2016 Global Research Symposium – Cochlear Corporation. Sydney, Australia.

AUSTRIA

ENEPEKIDES, D

- 2017 May International Faculty, Facial Reconstruction: A hands on course. Orbital Reconstruction – Lessons learned. Medical University of Vienna. Vienna, Austria.

BELGIUM

RINGASH, J

- 2017 Apr Invited Speaker. The Role of Quality of Life in Trials that Matter: the Canadian Cancer Trials Group Experience. Brussels, Belgium. EORTC Quality of Life and Cancer Clinical Trials Conference.

CANADA (International Meetings in Canada)

PROPST, E

- 2017 May Invited Speaker. Tracheotomy in Robin Sequence. 2nd International Robin Sequence Consensus Meeting. Christopher Forrest, Kelly Evans. Toronto, ON.

INTERNATIONAL MEETINGS (continued)**WITTERICK, I**

2016 Aug Invited Speaker. What I need from the H&N cancer imaging report and why. 28th Annual Meeting of the Eastern Neuroradiological Society. Quebec City, QC.

CHILE**GORDON, K**

2017 Jun Speaker. Hearing loss: Consequences in the development and treatment options. 2 day workshop. Santiago, Chile.

PAPSIN, B

2017 Apr Invited Faculty. Early Cochlear Implantation in Infants: Why Not? Cochlear Pre-Conference Symposium (GICCA) 2017. Santiago, Chile.

2017 Apr Keynote Address. 1. Cochlear Implantation Under 1 year: Diagnostic certainty & surgery – Panel Moderator, 2. A Three Dimensional Percept in the Absence of Fusion: What Cochlear Implants have Taught us About the Developing Auditory System. 7th Congress of the Iberoamerican Cochlear Implants and Related Sciences Group (GICCA). Santiago, Chile.

2016 Nov Visiting Professor. 1. A Three Dimensional Percept in the Absence of Fusion: What Cochlear Implants have Taught us About the Developing Auditory System, 2. Understanding Balance in Children with Sensorineural Hearing Loss: A Practical Course for Clinicians, 3. Cochlear Implantation in Children with Asymmetric Hearing Loss, 4. Stability, Fixation and Positioning of Cochlear Implants in Children using a Pedestalled Device, 5. Cochlear Implantation Disasters: A Cautionary tale. LXXIII Congreso Chileno de Otorrinolaryngologia, Hotel Patagonico. Puerto Varas, Chile.

CHINA**LIU, FF**

2016 Oct Invited Speaker. Quality and Safety in Radiation Medicine. China Society for Radiation Oncology (CSTRO) Conference. Chengdu, China.

COLOMBIA**GANTOUS, A**

2017 Mar Invited Speaker/Faculty. Nasal Reconstruction. International Course, Colombian Association of Otolaryngology-HNS. Medellin, Colombia.

2017 Mar Invited Speaker/Faculty. Incisionless Otoplasty. International Course, Colombian Association of Otolaryngology-HNS. Medellin, Colombia.

FRANCE**ADAMSON, P**

2016 Sept Invited Faculty. 1. Cephalic Trim and Turn-In-Flap Lower Lateral Cartilages, 2. Struts in Primary Rhinoplasty, 3. Alar Base Refinement, 4. Psychology in Secondary Rhinoplasty, 5. The Bulbous Tip in Secondary Rhinoplasty, 6. The Future of Rhinoplasty, 7. Functional Septorhinoplasty. First International Meeting of Rhinoplasty Societies. Versailles, France.

INTERNATIONAL MEETINGS (continued)

ANDERSON, J

2017 Jun Invited Panellist. 1. Occupational Voice Disorders North to South perspectives 2. Treatment of severe dysplasia and early stage carcinoma of the vocal folds. IFOS International Meeting. Paris, France.

DE ALMEIDA, J

2017 Jun Invited Speaker/Panellists. Cost considerations for the management of advanced oropharyngeal cancer. Advanced Oropharynx Cancer panel. IFOS International Meeting. Paris, France.

HARRISON, RV

2016 Sept Invited Speaker. Frequency Analysis in the Human Cochlea Revealed by Electro-Cochleography (A tribute to Michael Portmann). Annual Meeting of the Collegium ORL (CORLAS). Bordeaux, France.

2017 Jun Invited Keynote Lecture. Central auditory changes in sensorineural hearing loss International Federation of Otolaryngology Societies (IFOS), Ear Nose and Throat (ENT) World Congress. Paris, France.

2017 Jun Invited Lecture. The pathogenesis of CMV related hearing loss. International Federation of Otolaryngology Societies (IFOS), Ear Nose and Throat (ENT) World Congress. Paris, France.

PAPSIN, B

2017 June Invited Speaker. 1. Bone conduction hearing device: future indications (panelist), 2. The development of the human auditory system: What we have learned from cochlear implantation in Children (Keynote Address). IFOS – ENT World Congress. Paris, France.

GERMANY

SMILSKY, K

2016 Sept Invited Speaker. Cochlear Implantation and Single Sided Deafness: Current Status and Challenges in Canada. BICI 2016, Binaural Hearing with Hearing Implants – A Tribute to 20 Years of Bilateral Cochlear Implantation Meeting. Munich, Germany.

HONG KONG

LIU, FF

2016 Nov Invited Speaker. Mitigating Radiation Fibrosis using Adipose Derived Stromal Cells. Frontiers in Cancer Research. 12th Asia Pacific Multi-Disciplinary Meeting for Cancer Research. Hong Kong.

INDIA

CHEPEHA, D

2017 May Moderator. Mandible reconstruction session. IA00 6th World Oral Cancer Congress. Bengaluru, India.

GILBERT, R

2017 May Invited Speaker. Management of Osteoradionecrosis of the Mandible. IA00 6th World Congress. Bengaluru, India.

2017 May Invited Speaker. Reconstruction following salvage surgery. IA00 6th World Congress. Bengaluru, India.

INTERNATIONAL MEETINGS (continued)

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

PAPSIN, B

2016 Oct Invited Faculty. 1. Temporal Bone Dissection and Demonstration of Cochlear Implant Technique, 2. Cochlear Implantation in Children with Asymmetric Hearing Loss, 3. Stability, Fixation and Positioning of Cochlear Implants in Children using a Pedestalled Device, 4. Cochlear Implantation Disasters: A Cautionary tale. 14th Annual Conference of the Cochlear Implant Group of India (CIGICON 2016). Kochi, Kerala, India.

2016 Oct Invited Speaker. Surgical Simplification: The Reintroduction of the Profile 5 Series Implant to India. Cochlear Satellite Symposium at the 14th Annual Conference of the Cochlear Implant Group of India (CIGICON 2016). Kochi, Kerala, India.

IRELAND**GULLANE, P**

2017 Mar Invited Speaker. Role of Open Salvage Surgery in the Oropharynx following Chemo/Radiation Failure: Is there a benefit? 7th Annual H&N Oncology Conference. Dublin, Ireland.

2017 Mar Invited Speaker. Innovations in Head & Neck Surgery: The Toronto Experience. 7th Annual H&N Oncology Conference. Dublin, Ireland.

ISRAEL**CHEPEHA, D**

2016 Keynote Speaker. How Can Surgeons Maximize Our Contributions to the Management of Oral Cavity Carcinoma. ISHNOS 2016 Annual Conference. Israel.

PROPST, 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**

2017 Mar Oral presentation. Ones-2-Watch – Perspectives in Ethnic Rhinoplasty. Milano Masterclass Meeting. Milan, Italy.

2017 Mar Video Presentation. Lower two-thirds reconstruction with caudal septal extension graft and extended spreader grafts. Milano Masterclass Meeting. Milan, Italy.

2017 Mar Video Presentation. How I Do It-Diced costal cartilage with fibrin glue for dorsal augmentation. Milano Masterclass Meeting. Milan, Italy.

JAMES, A

2017 Apr Invited Lecturer & Moderator. Totally endoscopic ear surgery in the pediatric population. 2nd World Congress on Endoscopic Ear Surgery. Bologna, Italy.

INTERNATIONAL MEETINGS (continued)

2017 Apr Invited Lecturer. Otitis media in children (Skype Lecture). Department of ORL-HNS, University of Modena. Italy.

POTHIER, D

2017 Apr Training and the Learning Curve in Endoscopic Ear Surgery. 2nd World Congress on Endoscopic Ear Surgery. Bologna, Italy.

JAPAN

HARRISON, RV

2017 May Invited Guest Lecturer. Towards an improved classification of sensorineural hearing loss, Annual meeting of the ORL Society of Japan. Hiroshima, Japan.

JAMES, A

2017 Jun Invited lecturer. Top Tips for TEES Technique. Department of ORL-HNS, Jikei Medical University. Tokyo, Japan.

2017 Jun Invited lecturer. Top Tips for TEES Technique. 6th Hands on Seminar in Endoscopic Ear Surgery. Yamagata, Japan.

2017 Jun Moderator. Discussion of surgical issues during live surgery demonstration. 6th Hands on Seminar in Endoscopic Ear Surgery. Yamagata, Japan.

WITTERICK, I

2017 May Invited Speaker. Endoscopic management of sinonasal tumours. 118th Annual Meeting of The Oto-Rhino-Laryngological Society of Japan. Hiroshima, Japan.

2017 May Invited Speaker. Educating future skull base surgeons: Simulation and competency. 118th Annual Meeting of The Oto-Rhino-Laryngological Society of Japan. Hiroshima, Japan.

KUWAIT

GILBERT, R

2017 Apr Invited Speaker. Current Concepts in Oromandibular Reconstruction. Kuwait International Conference. Kuwait City, Kuwait.

2017 Apr Invited Speaker. Role of Surgery in the Management of Laryngeal Cancer. Kuwait International Conference. Kuwait City, Kuwait.

2017 Apr Invited Speaker. Reconstruction of extended parotidectomy defect. Kuwait International Conference. Kuwait City, Kuwait.

2017 Apr Invited Speaker. Application of new technology in head and neck reconstruction. Kuwait International Conference. Kuwait City, Kuwait.

2017 Apr Invited Speaker. The compartmental surgical approach in head and neck cancer surgery: Concepts of 3-D resection. Kuwait International Conference. Kuwait City, Kuwait.

GULLANE, P

2017 Apr Invited Speaker. Lip Reconstruction following Surgical Ablation for Cancer. 4th Kuwait International Conference of Multidisciplinary Management of Head & Neck Cancer. Kuwait City, Kuwait.

INTERNATIONAL MEETINGS (continued)

2017 Apr	Invited Speaker. The principles of surgical management of head & neck sarcomas. 4 th Kuwait International Conference of Multidisciplinary Management of Head & Neck Cancer. Kuwait City, Kuwait.
2017 Apr	Invited Speaker. Cricotracheal Resection for Tracheal stenosis and Malignancies. 4 th Kuwait International Conference of Multidisciplinary Management of Head & Neck Cancer. Kuwait City, Kuwait.
2017 Apr	Invited Speaker. Pharyngeal Reconstruction in the Era of Organ Preservation Strategies. 4 th Kuwait International Conference of Multidisciplinary Management of Head & Neck Cancer. Kuwait City, Kuwait.
2017 Apr	Invited Speaker. Surgical salvage of oropharyngeal Cancer in the era of chemo-radiation. 4 th Kuwait International Conference of Multidisciplinary Management of Head & Neck Cancer. Kuwait City, Kuwait.
2017 Apr	Invited Speaker. Minor Salivary Gland Cancers: Incidence and Outcomes. 4 th Kuwait International Conference of Multidisciplinary Management of Head & Neck Cancer. Kuwait City, Kuwait.
2017 Apr	Moderator. Head & Neck Oncology (Evolving concepts). 4 th Kuwait International Conference of Multidisciplinary Management of Head & Neck Cancer. Kuwait City, Kuwait.
IRISH, J	
2017 Apr	Keynote Speaker. Management of Head and Neck Melanoma. The 4 th International Conference on Multidisciplinary Management of Head and Neck Cancer. Kuwait City, Kuwait.
2017 Apr	Moderator. Laryngeal Cancer. The 4 th International Conference on Multidisciplinary Management of Head and Neck Cancer. Kuwait City, Kuwait.
2017 Apr	Speaker. Central Compartment Neck Dissection for Thyroid Cancer: When and How? The 4 th International Conference on Multidisciplinary Management of Head and Neck Cancer. Kuwait City, Kuwait.

NETHERLANDS**GILBERT, R**

2016 Oct	Keynote Speaker. General Concepts of Multidisciplinary Treatment. European Head & Neck Course. Amsterdam, Netherlands.
2016 Oct	Keynote Speaker. Current Concepts in the Management of Oropharyngeal cancer (including HPV Tumours). European Head & Neck Course. Amsterdam, Netherlands.
2016 Oct	Panellist. Oral and Oropharyngeal cancer. European Head & Neck Course. Amsterdam, Netherlands.
2016 Oct	Invited Speaker. Reconstructive Surgery. European Head & Neck Course. Amsterdam, Netherlands.
2016 Oct	Keynote Speaker. Complications in treatment of head and neck cancer. European Head & Neck Course. Amsterdam, Netherlands.

GORDON, K

2017 Mar	Visiting Scientist. Improving binaural hearing for children with hearing loss: Advances and remaining challenges, Radboud University Medical Centre. Nijmegen, Netherlands.
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INTERNATIONAL MEETINGS (continued)

2017 Mar Visiting Scientist. Can brain plasticity compensate for abnormal hearing in childhood? Donders Institute, Radboud University. Nijmegen, Netherlands.

POLAND

CONRAD, K

2016 Jul Invited Speaker. Blue Print for Better Rhinoplasty Results. Department of Pediatric Otolaryngology. Medical University of Warsaw. Warsaw, Poland.

PORTUGAL

GORDON, K

2017 May Speaker. Session Cochlear Implant and brain development. 13th European Symposium of Paediatric Cochlear Implantation. Lisbon, Portugal.

2017 May Speaker. Session Bimodal and Bilateral. 13th European Symposium of Paediatric Cochlear Implantation. Lisbon, Portugal.

2017 May Round Table nº 11. Why is one ear not enough. 13th European Symposium of Paediatric Cochlear Implantation. Lisbon, Portugal.

PAPSIN, B

2017 May Invited Faculty. One is the Loneliest Number: Restoring Auditory Development in Children with Single Sided Deafness. Cochlear Pre-Conference Symposium ESPCI 2017. Lisbon, Portugal.

2017 May Keynote Address. Cochlear Implantation in Children: Disruption and Disruptor. ESPCI 2017, 13th European Symposium on Pediatric Cochlear Implant. Lisbon, Portugal.

2017 May Speaker. Robotics, surgical technique and hearing preservation round table. ESPCI 2017, 13th European Symposium on Pediatric Cochlear Implant. Lisbon, Portugal.

RUSSIA

ADAMSON, P

2017 Jun Invited Speaker. Management of the Crooked Nose. Face the Future™ Foundation surgical humanitarian mission. Ulyanovsk Regional Pediatric Hospital. Ulyanovsk, Russia.

RWANDA

ADAMSON, P

2017 Feb Invited Speaker. Facial Scar Revision. Rwanda Military Hospital. Kigali, Rwanda.

SAUDI ARABIA

CAMPISI, P

2017 Apr Invited Speaker. Teaching the CanMEDS intrinsic roles – Tools and techniques. Royal College International Workshop. Riyadh, Saudi Arabia.

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

2017 May Invited Speaker/Faculty. Advancing Safety for Patients In Residency Education 2 (ASPIRE 2). Royal College of Physicians and Surgeons International. University of Dammam. Dammam, Saudi Arabia.

SINGAPORE**ADAMSON, P**

2016 Nov Teacher of Honour. 1. Basics in Rhinoplasty (Moderator), 2. Open Rhinoplasty: Basic Steps, Tips and Technical Pearls, 3. Management of the Nasal Pyramid, 4. The M-Arch Model of Nasal Tip Dynamics, 5. Customizing Rhinoplasty According to Skin Thickness, 6. Suture Techniques for Tip Refinement, 7. Challenges in Tip Refinement (Panel Chair), 8. Alar Base Refinement, 9. Challenges in Revision Rhinoplasty: Patient Psychology, 10. Open Approach Rhinoplasty, 11. Skin-Soft Tissue Elevation (Cadaver Demonstration), 12. Dorsal Approach to the Septum (Cadaver Demonstration), 13. Component Hump Resection and Septal Cartilage Harvest (Cadaver Demonstration), 14. Suture Techniques for Tip Refinement (Video), 15. Open Approach Management of the Crooked Nose (Patient Video). 3rd Singapore Advanced Rhinoplasty Course and 2nd Singapore Facial Rejuvenation Course. Khoo Teck Puat Hospital. Singapore.

2016 Nov Teacher of Honour. 1. The Science of Beauty: Honing the Eyes and Mind, 2. Surgical Management of the Forehead, 3. Choosing Your Facelift from Short Flap to Deep Plane, 4. Upper Lid Blepharoplasty, 5. Aesthetic Otoplasty, 6. Five Tools for Strategic Planning, 7. Trichophytic Forehead Lift (Cadaver Demonstration), 8. Direct Brow Lift (Cadaver Demonstration), 9. SMAS Plication, SMAS Imbrication, SubSMAS, Deep Plane Face and Neck Lift, Submentoplasty (Cadaver Demonstration), 10. Aesthetic Otoplasty (Cadaver Demonstration), 11. Cosmetic Otoplasty (Patient Video), 12. Scar Revision Techniques. 3rd Singapore Advanced Rhinoplasty Course and 2nd Singapore Facial Rejuvenation Course. Khoo Teck Puat Hospital. Singapore.

SWEDEN**GILBERT, R**

2016 Oct Visiting Professor. Innovation in the use of free tissue transfer for airway and other boutique reconstruction. Karolinska University. Stockholm, Sweden.

2016 Oct Invited Speaker. Experience and Innovation in Head & Neck Surgery. Swedish Society of Head & Neck Cancer. Stockholm, Sweden.

2016 Oct Visiting Professor. Mandible and Maxillary Reconstruction – The Toronto Approach. Karolinska University. Stockholm, Sweden.

2016 Oct Visiting Professor. Priorities and options in oral cavity and complex soft tissue defects. Karolinska University. Stockholm, Sweden.

PAPSIN, B

2017 Jan Invited Faculty. 1. A Three Dimensional Percept in the Absence of Fusion: What Cochlear Implants have Taught us About the Developing Auditory System, 2. Stabilization of Balance Using Head Referenced Cochlear Implant Stimulation, 3. Expanding Indications for Cochlear Implants: Consideration of the Real Cost. Cochlear Nordic Symposium 2017. Stockholm, Sweden.

INTERNATIONAL MEETINGS (continued)

WITTERICK, I

2016 Jul Panellist. Endoscopic surgery of sinonasal malignancies. 26th Congress of the European Rhinologic Society. Stockholm, Sweden. Presenters: Witterick IJ with Carrau R (Moderator), Onceri M, Montserrat-Gili JR, Betz C, Leunig A, Stammberger H.

SWITZERLAND

ANDERSON, J

2017 Jan Invited Speaker. Winter Days of Laryngology. Genève, Switzerland.

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 Invited Speaker. Single Sided Cochlear Implants: The Sunnybrook Experience. Single-Sided Deafness Symposium. Department of Otolaryngology, Faculty of Medicine, National Yang-Ming University. Taipei, Taiwan.

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 Panellist. Mastoidectomy obliteration: Long-term results. European Academy of Otolaryngology and Neuro-otology, 8th Instructional Workshop. Izmir, Turkey.

2017 Jan Invited Lecturer. Congenital Cholesteatoma. European Academy of Otolaryngology and Neuro-otology, 8th Instructional Workshop. Izmir, Turkey.

2017 Jan Invited Lecturer. Cholesteatoma surgery in children. European Academy of Otolaryngology and Neuro-otology, 8th Instructional Workshop. Izmir, Turkey.

RUTKA, J

2017 Jan 1. Meniere's Syndrome or Disease: Time trends in management and quality of evidence over the past two decades. 2. Diagnostic Challenges in Vestibular Disorders: Plenary Lecture. 3. EAONO Guideline Sessions: Vertigo Working Group. Chairman. European Academy of Otolaryngology and Neuro-otology (EAONO). Izmir, Turkey.

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)

(Moderator and Discussant), 5. Is Less Really More Debate (Moderator and Discussant), 6. Concepts of Beauty in a Multiracial World, 7. My Top Three Tips in Revision Rhinoplasty. European Academy of Facial Plastic Surgery Annual Meeting. London, England.

ASARIA, J

2016 Sept

Optimizing periorbital rejuvenation with autologous fat grafting and hyaluronic acid injections. Oral presentation at the European Academy of Facial Plastic Surgery Meeting. Presenters: Asaria J, Donath A. London, England.

UNITED STATES

ADAMSON, P

2017 May

Co-Director. 1. Conceptualization of Rhinoplasty (Moderator), 2. Management of Bulbous Tip Deformities, 3. The Columellar Strut (Video), 4. Challenging Cases (Moderator), 5. Intermediate Crural Overlay, Management of Dissatisfied Patient, Video Techniques (Discussant), 6. Where Do we Go Next? Advances in Rhinoplasty, AAFPRS Biennial Course. Chicago, IL.

2016 Oct

Invited Speaker. The M-Arch Model. American Academy of Facial Plastic and Reconstructive Surgery Annual Meeting. Nashville, TN.

ASARIA, J

2017 Jun

Masters Seminar: Improving periorbital aesthetics with volume replacement—hyaluronic acid. Oral Presentation at the Vegas Cosmetic Surgery Meeting. Presenters: Asaria J, Massry G. Las Vegas, NV.

2016 Oct

Optimizing periorbital rejuvenation with autologous fat grafting and hyaluronic acid injections. Oral presentation at the American Academy of Facial Plastic and Reconstructive Surgery Meeting. Presenters: Asaria J, Donath A. Nashville, TN.

2016 Oct

Emerging fillers coming to the United States—A Canadian perspective. Oral presentation at the American Academy of Facial Plastic and Reconstructive Surgery Meeting, Nashville, TN.

ANDERSON, J

2016 Oct

Presenter. Effects of External Vibration Therapy in Singers: Randomized Placebo Controlled Trial. Fall Voice. Scottsdale, Arizona.

CAMPISI, P

2016 Sep

Course Co-Instructor. Recurrent Respiratory Papillomatosis. American Academy of Otolaryngology-HNS Annual Meeting and OTO Expo. San Diego, CA. Presenters: P. Campisi, C. Derkay.

CHAN, Y

2016 Sep

Panellist. Gussak Memorial: Avoiding Bad Results in Sinus Surgery. American Academy of Otolaryngology – Head & Neck Surgery. San Diego, CA.

2016 Jul

Panellist. Postoperative Steps to Improve Surgical Outcomes. American Rhinologic Society Summer Sinus Symposium. Chicago, IL.

CHEN, J

2017 Jan

Invited Lecturer. Quadrosopic 4-handed approach in Otologic and Skull Base Surgery. University of Colorado. Vail, CO.

INTERNATIONAL MEETINGS (continued)

CHEPEHA, D

- 2016 Invited Speaker. Subscapular Systems. Advanced Oromandibular and Palatomaxillary Reconstruction. FIVE Labs. Tampa, FL.
- 2016 Invited Speaker. University of Maryland Grand Rounds. Maryland, MD.
- 2016 Invited Speaker. University of Michigan: Major Player in the Scapular Donor Site. Michigan Work Society. University of Michigan. Ann Arbor, MI.

CUSHING, S

- 2016 Aug Invited Panellist. New Understanding of Sensorineural Hearing Loss: Implications for Novel Diagnostic and Rehabilitative Strategies. Frontiers in Pediatric Otolaryngology. Vail, Colorado. Presenters: Papsin BC, Park A, Cushing SL, Parkes WJ.
- 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 Course Instructor. 2017 AHNS Transoral Robotic Surgery Course. AHNS 10th International Conference on Head and Neck Cancer. San Diego, CA. Proctored cadaver portion (4 hours). Course Coordinators: Goldenberg D, Gross N, Duvvuri U.
- 2017 Mar Invited Speaker. Overview of Sinonasal Malignancies: Histopathology Guided Diagnostics and Therapy. 27th Annual North American Skull Base Society Meeting. New Orleans, LA.
- 2016 Jul Invited Speaker. Quality of Life for Sinonasal and Skull Base Surgery: Technology Advances the Frontiers. Presenters: Dennis Kraus, Bert O'Malley, Derrick Lin, Lisa Licitra. Seattle, WA.

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 Moderator. Oropharynx Cancer. 9th International Conference on Head and Neck Cancer. American Head and Neck Society. Seattle, WA.

FREEMAN, J

- 2016 Jul Moderator. Using ATA 2015 Guidelines. 9th International Conference on Head and Neck Cancer. Seattle, WA.
- 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 (continued)**GANTOUS, A**

- 2017 Jun Invited Speaker/Faculty. Management of the Alar-Columellar Relationship. Vegas Cosmetic Surgery and Aesthetic Dermatology 2017. Las Vegas, NV.
- 2017 Jun Invited Speaker/Faculty. Columellar Necrosis: How Often Does It Occur, Treatment and Prevention. Vegas Cosmetic Surgery and Aesthetic Dermatology 2017. Las Vegas, NV.
- 2017 Jun Invited Speaker/Faculty. Correction of the Severe Saddle Deformity. Vegas Cosmetic Surgery and Aesthetic Dermatology 2017. Las Vegas, NV.
- 2017 Jun Invited Speaker/Faculty. Ethnic Rhinoplasty: The Challenge of Practicing in a Multicultural Society. Vegas Cosmetic Surgery and Aesthetic Dermatology 2017. Las Vegas, NV.
- 2017 Jun 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.
- 2017 Jun Invited Speaker/Faculty. Incisionless Otoplasty (Masters Video Session). Vegas Cosmetic Surgery and Aesthetic Dermatology 2017. Las Vegas, NV.
- 2016 Oct Faculty. Rhinoplasty in Patients with Granulomatosis: Pearls and Pitfalls. Fall Meeting AAFPRS. Nashville, TN.

GILBERT, R

- 2017 Mar Invited Speaker. Complex Pharyngeal esophageal reconstruction. General thoracic Surgical Club 30th Annual Meeting. Clearwater, FL.
- 2017 Mar Invited Speaker. Muscle Flaps in Thoracic Surgery. General Thoracic Surgical Club 30th Annual Meeting. Clearwater, FL.
- 2017 Feb Visiting Professor. Experience and Innovation in Head & Neck Surgery- a personal perspective. Mount Sinai Department of Otolaryngology Grand Rounds. New York, NY.
- 2016 Nov Visiting Professor. Role of Surgery in Laryngeal Preservation. Current Concepts in Head and Neck Surgery. Houston, TX.
- 2016 Nov Visiting Professor. Panellist: Advances in Laryngeal Preservation. Current Concepts in Head and Neck Surgery. Houston, TX.
- 2016 Nov Visiting Professor. Maxillary Reconstruction. Current Concepts in Head and Neck Surgery. Houston, TX.
- 2016 Nov Visiting Professor. Panellist: Stump the Faculty. Current Concepts in Head and Neck Surgery. Houston, TX.
- 2016 Jul Invited Speaker. Maxillary Reconstruction: The Toronto Approach. Pacific Northwest H&N Cancer Symposium. Washington, DC.
- 2016 Jul Moderator. Challenges in H&N Reconstruction: Now and the Future. AHNS 9th International Conference on Head & Neck Cancer. Washington, DC.

GOLDSTEIN, D

- 2016 Jul Moderator, Reconstructive Surgery Scientific Session, 9th International Conference on Head and Neck Cancer. Seattle, WA.

INTERNATIONAL MEETINGS (continued)

GORDON, K

- 2016 Jul Functional consequences of asymmetric hearing in development: Evidence from children using cochlear implants. 2016 Gordon Research Conference on the Auditory System. Bates College. Lewiston, ME.
- 2017 Jan The Aural Preference Syndrome: Effects of Asymmetric Hearing Loss in Development. 2017 Ultimate Colorado Midwinter Meeting. Vail, CO.
- 2017 Jan Brain and Behavior Reveals Auditory Plasticity in Children Using Bilateral Cochlear Implants and Bimodal Devices. 2017 Ultimate Colorado Midwinter Meeting. Vail, CO.
- 2017 Feb Developmental plasticity in pediatric cochlear implant users, in Symposium: Relating animal models to human cochlear implant use, Chairs: Robert Froemke and Mario Svirsky. Conference for the Association in Research on Otolaryngology. Baltimore, MD.

GULLANE, P

- 2017 Mar Panellist. Complications in Skull Base Surgery: Avoidance and Management. North American Skull Base Society. New Orleans, LA.
- 2017 Mar Panellist. How to Become and Train Great Skull Base Surgeons: An International Panel. North American Skull Base Society. New Orleans, LA.
- 2016 Nov Visiting Professor. Moderator: Stump the Faculty. Current Concepts in Head & Neck Surgery. Houston, TX.
- 2016 Nov Visiting Professor. Moderator: Cancer of the Oral Cavity and Oropharynx. Current Concepts in Head & Neck Surgery. Houston, TX.
- 2016 Nov Visiting Professor. Tracheal Resection. Current Concepts in Head & Neck Surgery. Houston, TX.

HIGGINS, K

- 2016 Jul Invited Speaker. Lunch with the Professors-Management of Combined Modality Toxicities. AHNS 9th International Conference on Head and Neck Cancer. Seattle, WA. Presenters: Kevin Higgins, Bevan Yueh, Jolie Ringash.

IRISH, J

- 2017 May Speaker. 1. HPV and Head and Neck Cancer, 2. Management of thyroid nodules and differentiated thyroid cancer, 3. Management of early glottis cancer, 4. Demonstrator, Dissection Course. Iowa Head and Neck Course. Iowa City, IA.
- 2016 Nov Panellist/Speaker. Value-Based Head and Neck Cancer Care. Panel: Value From the Payer's Perspective. MD Anderson Cancer Center. Houston, TX.
- 2016 Nov Moderator/Panellist. Current Concepts in Head and Neck Surgery. MD Anderson Cancer Center. Houston, TX. Panellist, Larynx Cancer. Panellist, Oral and Oropharyngeal Cancer. Moderator, Video Demonstration of Surgical Techniques. Panellist, Stump the Faculty. MD Anderson Cancer Center, Houston, TX.
- 2016 Sept Keynote Speaker. The Changing Role of the Surgeon: Leading the Transformation of Health Care The Eugene N. Myers International Lecturer on Head and Neck Cancer. American Academy of Otolaryngology-Head and Neck Surgery. San Diego, CA.
- 2016 Jul Speaker. Jatin P Shah Symposium-The Future of Head and Neck Cancer in 10 Years. Operating Room of the Future. 9th International Conference on Head and Neck Cancer. Seattle, WA.

INTERNATIONAL MEETINGS (continued)

- 2016 Jul Panellist. Quality Improvement in Head and Neck Cancer Care. Establishing a Quality System in Surgery. 9th International Conference on Head and Neck Cancer. Seattle, WA.
- LIU, FF**
2016 Oct Invited Speaker. Mitigating Radiation Fibrosis with Adipose Derived Stromal Cells. University of Pennsylvania. Philadelphia, PA.
- PAPAIOANNOU, V**
2016 Dec Panel Member. Mentors and Mentees: What does it take? Society for Ear, Nose, and Throat Advances in Children. Orlando, FL. Presenters: Anne S, Simon L, Papaioannou V, Callandra L, Ishman S.
- PAPSIN, B**
2017 Feb Keynote Address. A Three Dimensional Percept in the Absence of Fusion: What Cochlear Implants have Taught us About the Developing Auditory System. Cochlear Celebration 2017. Orlando, FL.
- 2016 Oct Visiting Professor. 1. A Three Dimensional Percept in the Absence of Fusion: What Cochlear Implants have Taught us About the Developing Auditory System, 2. Understanding Balance in Children with Sensorineural Hearing Loss: A Practical Course for Clinicians. Houston Society of Otolaryngology/Visiting Professorship - Texas Children's Hospital. Houston, TX.
- 2016 Oct Invited Speaker. Surgical Technique and Instrumentation using the CI532 Implant. Cochlear Surgical Training Symposium. Baylor College of Medicine. Houston, TX.
- 2016 Sept Invited Speaker. Are the Benefits of a Pedestal on a Flat Cochlear Implant in Infants and Children Worth Pursuing? 32nd Annual Meeting of the William House Cochlear Implant Study Group. San Diego CA.
- 2016 Aug Invited Speaker. 1. Program Organizing Committee, 2. Panel Moderation on New Understanding of Sensorineural Hearing Loss: Implications for Novel Diagnostic and Rehabilitative Strategies. Frontiers in Pediatric Otolaryngology (Inaugural Summer meeting of American Society of Pediatric Otolaryngology). Vail, CO.
- POTHIER, D**
2016 Sept Miniseminar. Endoscopic Ear Surgery: Tips and Pearls. Annual Meeting of the American Academy of Otolaryngology-Head and Neck Surgery. San Diego, CA.
- 2016 Sept Instruction course. Introducing Endoscopic Ear Surgery into Your Practice. Annual Meeting of the American Academy of Otolaryngology-Head and Neck Surgery. San Diego, CA.
- PROPST, E**
2017 May 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.
- 2017 May Created Bedside Presentations for Airway Surgery Stations. Open Airway Surgical Course. Portland, OR.
- 2017 May Invited Speaker. Impact of Obesity on Surgery for Pediatric OSA. International Surgical Sleep Society Meeting. Los Angeles, CA.
- 2016 Dec Invited Speaker. Everything you need to know about pediatric thyroid carcinoma. 2016 Annual Meeting of the Society for Ear Nose and Throat Advances in Children (SENTAC). Presenters: Evan Propst, Jonathan Wasserman, Scott Manning, Craig Johnson, Lilli Miles. Orlando, FL.

INTERNATIONAL MEETINGS (continued)

2016 Nov Invited Speaker. Contemporary Management of Aerodigestive Disease in Children. Nashville, TN. Panel Leader. The airway versus the esophagus – illustrations of aerodigestive principles and reconstruction. Carlton Zdanski, Steven Goudy, Deepak Mehta.

2016 Nov Invited Speaker. Contemporary Management of Aerodigestive Disease in Children. Nashville, TN. Panel Leader. Sometimes tried and true management strategies for long segment tracheal stenosis. Alex Langerman, Alessandro deAlarcon, Gresham Richter.

RINGASH, J

2016 Jul Chair. Optimizing Survivorship: Prevention thru Late Effects. American Head and Neck Society. Presenters: Jolie 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.

2016 Jul Visiting Professor. Management of Combined Modality Toxicities. American Head and Neck Society. Presenters: Bevan Yueh, Kevin Higgins, Jolie Ringash. 9th International Conference on Head and Neck Cancer. Lunch with the Professors. Seattle, WA.

2016 Jul Presenter. How to Establish a Survivorship Program. American Head and Neck Society. Presenters: Matthew Miller, Kelly Molloy, Jolie Ringash. 9th International Conference on Head and Neck Cancer.. Educational Course. Seattle, WA.

2016 Jul Presenter. Toolbox: Measurement of Function and Patient-Reported Outcomes. American Head and Neck Society. 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.

2017 Mar Co-Moderator. State of the art and future of skull base surgery. 27th Annual Meeting of the North American Skull 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 IJ, Hanna EY (moderators), Fliss DM, Nicolai P.

INTERNATIONAL MEETINGS (continued)

VIETNAM

CHAN, Y

2017 Feb Invited Speaker. Demystifying the Frontal Sinus – Part 2. National ENT Hospital Update in Otolaryngology Workshop. Hanoi, Vietnam.

2017 Feb Invited Speaker. Demystifying the Frontal Sinus – Part 1. National ENT Hospital Update in Otolaryngology Workshop. Hanoi, Vietnam.

NATIONAL MEETINGS

ALBERTA

CAMPISI, P

2017 Jun Invited Speaker. McPhedran Lecturer. Recurrent respiratory papillomatosis: the epidemiological study of a rare condition. 35th Annual Surgeon's Day, University of Calgary. Calgary, AB.

MANITOBA

HARRISON, RV

2017 May Visiting Professor. Animal Models of Hearing Loss. Annual Academic Day. Department Otolaryngology. University of Manitoba. Winnipeg, MB.

2017 May Visiting Professor. Towards a new classification of SNHL. Annual Academic Day. Department of Otolaryngology. University of Manitoba. Winnipeg, MB.

IRISH, J

2017 Feb Visiting Professor. The Changing Role of the Surgeon: Leading the Transformation of Health Care. University of Manitoba, Department of Surgery Grand Rounds. Winnipeg, MB.

2017 Feb Invited Speaker. Developing a Quality Based System for Cancer Surgery: The Story of the Surgical Oncology Program in Ontario Manitoba Ministry of Health, Department Executive Leadership Team. Manitoba.

2017 Feb Invited Speaker. Developing a Quality Based System for Cancer Surgery: The Story of the Surgical Oncology Program in Ontario Manitoba Provincial Medical Leadership Council. Manitoba.

LEE, J

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

2016 Jul Invited Dissection Demonstrator. Maxillary Antrostomy, Total Ethmoidectomy, Sphenoidotomy. 14th Annual Canadian Otolaryngology Resident Sinus Course. Winnipeg, MB.

NATIONAL MEETINGS (continued)

NEWFOUNDLAND

BARTLETT, E

2017 Feb Invited Speaker. Newfoundland and Labrador Association of Radiologists Annual Spring Meeting, Corner Brook, NL.

2017 Feb Visiting Professor. Memorial University of Newfoundland. St. John's, NL.

NOVA SCOTIA

BRANDT, M

2017 Jan Invited Speaker. Rhinoplasty: The basics for the Royal College examination. Annual Otolaryngology-Head & Neck Surgery Review Course. Halifax, NS.

2017 Jan Invited Speaker. Facial trauma for the Otolaryngologist – Head & Neck Surgeon. Annual Otolaryngology – Head & Neck Surgery Review Course. Halifax, NS.

ONTARIO

ADAMSON, P

2016 Oct Invited Speaker. Nasal Tip Suturing and Refinement Techniques (CAFPRS Lecture of Honour). Canadian Academy of Facial Plastic and Reconstructive Surgery Annual Meeting. Toronto, ON.

BRANDT, M

2016 Oct Invited Speaker. Facial analysis for Rhinoplasty. Annual Clinic Day of the Canadian Academy of Facial Plastic and Reconstructive Surgery. Toronto, ON.

2016 Oct Seminar Chair & Panellist. Nasal reconstruction: a specialist panel on the contemporary reconstruction of the face. Co-Presenters: Moore CC, Taylor SM, Ansari K, Trites J, Bonaparte J. Annual Clinical Day of the Canadian Academy of Facial Plastic & Reconstructive Surgery. Toronto, ON.

SMILSKY, K

2016 Nov Invited Speaker. Status of Cochlear Implantation for Single Sided Hearing Loss in Canada. Canadian Cochlear Implant Centres Group (CCICG) Annual Meeting. Toronto, ON.

SOLOMON, P

2016 Oct Faculty. Management of the Parenthesis Deformity. Canadian Academy of Facial Plastic and Reconstructive Surgery Annual Meeting. Toronto, ON.

QUEBEC

BRANDT, M

2017 May Invited Speaker. Scar Revision. 2017 Annual McGill Facial Plastic & Reconstructive Surgery Course. McGill Department of Otolaryngology – Head and Neck Surgery. Montreal, QC.

FREEMAN, J

2017 Jan Total Thyroidectomy. Hemithyroidectomy vs Total Thyroidectomy for Differentiated Thyroid Cancer, Endocrinology Update. Mount Ste-Anne, QC.

NATIONAL MEETINGS (continued)**PROPST, E**

2016 Nov Invited Speaker. Animal dissection lab for teaching endoscopic and open airway reconstruction. McGill Airway Course. Montreal, QC.

WITTERICK, I

2017 May Visiting Professor. Surgery of the anterior skull base: endoscopic and open approaches in perspective. 25th Annual James D. Baxter Lecturer. McGill University, Department of Otolaryngology-Head & Neck Surgery. Montreal, QC.

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

SASKATCHEWAN**BRANDT, M**

2017 Jun Seminar Chair & Panellist. Complications, Pearls & Pitfalls in Facial Reconstruction. Co-Presenters: Moore CC, Taylor SM, Trites J. Annual Meeting of the Canadian Society of Otolaryngology-Head & Neck Surgery. Saskatoon, SK.

2017 Jun Seminar Chair & Panellist. Nasal reconstruction: a specialist panel on the contemporary reconstruction of the face. Co-Presenters: Moore CC, Taylor SM, Trites J. Annual Meeting of the Canadian Society of Otolaryngology-Head & Neck Surgery. Saskatoon, SK.

DE ALMEIDA, J

2017 Jun Moderator Panel. Management of cystic neck mass. Panellists: Han Zhang, Eric Monteiro, David Goldstein, Vincent Biron. Annual Meeting of the Canadian Society of Otolaryngology Head Neck Surgery. Saskatoon, SK.

LEE, J

2017 Jun Invited Speaker and Panellist. Panel: Medical Therapies for Chronic Rhinosinusitis. Omalizumab in AERD patients and dietary modification in AERD. Canadian Society of Otolaryngology-Head & Neck Surgery Annual Meeting, Saskatoon, SK.

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

LIN, V

2017 Jun Moderator. Otology/Neurotology. Canadian Society of Otolaryngology-Head & Neck Surgery. Saskatoon, SK.

MONTEIRO, E

2017 Jun Monteiro E, Zhang H, de Almeida J, Goldstein D, Biron. Management of cystic cervical masses. V. Canadian Society of Otolaryngology-Head & Neck Surgery 2017 Annual Meeting. Saskatoon, SK.

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

ADAMSON, P

- 2017 Apr Invited Faculty and Planning Committee. Facial Scar Revision. Lumps, Bumps and Looks in the Head and Neck. Departments of Otolaryngology-Head & Neck Surgery and Dermatology and Family Medicine Update Course, University of Toronto.
- 2017 Feb Invited Faculty. Management Algorithm for the Crooked Nose. Otolaryngology Update 2017, Department of Otolaryngology-Head & Neck Surgery, University of Toronto.
- 2017 Jan Invited Speaker. Face the Future™ Foundation Humanitarian Surgical Missions. Joseph Wong Annual Lecture. Department of Otolaryngology-Head & Neck Surgery, University of Toronto.

ANDERSON, J

- 2017 May Speaker. The Postoperative ENT Patient. St. Michael's Hospital, 15CCS Education Day. Toronto, ON.
- 2017 Jan Invited Speaker. VCD, PVFM, ILS etc: Dyspnea from the Larynx. The Lung Association Better Breathing Conference. Toronto, ON.
- 2017 Feb Speaker. Epistaxis. St. Michael's Hospital, Family Medicine Academic Half Day. Toronto, ON.
- 2016 Dec Invited Speaker. Vocal Fold Leukoplakia: New pathological classification system and "optical biopsy". University of Ottawa. Ottawa, ON.
- 2016 Dec Invited Speaker. Laryngeal Movement Disorders Affecting the Larynx. Grand Rounds, University of Ottawa. Ottawa, ON.
- 2016 Dec Invited Lecturer. Laryngeal Physiology, Stroboscopy Evaluation and Rating Samples. University of Ottawa. Ottawa, ON.

ASARIA, J

- 2017 Mar Aesthetic approach to facial shaping. Oral Presentation at the 1st Aesthetic Injectables Symposium. Toronto, ON.
- 2017 Mar Periorbital rejuvenation with hyaluronic acid fillers. Oral Presentation at the 1st Aesthetic Injectables Symposium. Toronto, ON.

BARTLETT, E

- 2016 Jun Invited Speaker. University of Toronto CME Program. Toronto Head and Neck Imaging Course. St. Michael's Hospital, Toronto, ON.

BRANDT, M

- 2016 Dec Invited Speaker. Facial Analysis and Facial Rejuvenation. McMaster University, Department of Surgery, Division of Otolaryngology-Head & Neck Surgery, Resident Lecture Series, Hamilton, ON.
- 2017 Apr Invited Speaker. Managing Moles & Cysts of the Head and Neck. Lumps, Bumps & Looks in the Head and Neck Course. Division of Facial Plastic & Reconstructive Surgery. Department of Otolaryngology-Head & Neck Surgery, Faculty of Medicine, University of Toronto.

PROVINCIAL/LOCAL MEETINGS (continued)

- 2017 May 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.
- CAMPISI, P**
- 2017 Jun Invited Speaker. Pediatric Gastroenterology, Hepatology and Nutrition Fellows and Staff Retreat. Competence by Design – Lessons learned by the ENT program. University Club. Toronto, ON.
- 2017 Feb Invited Speaker. My Child has enlarged lymph nodes; Now what? The 15th Annual Otolaryngology- Head & Neck Surgery Update 2017. Toronto, ON.
- 2016 Nov Invited Speaker. Department of Anesthesia and Surgery Faculty Development Day. Competency by Design. Toronto, ON.
- 2016 Oct Invited Speaker. Sialorrhea. Complex Care Interdisciplinary Rounds. Hospital for Sick Children, Toronto, ON.
- CHAN, Y**
- 2017 Feb Course Director and Speaker. Practical Guide to Understanding Maintenance of Certification Credits. The 15th Annual Otolaryngology Head & Neck Surgery Update 2017. Toronto, ON.
- 2016 Nov Invited Speaker. Incorporation of Multiple Audience Interactive Format in a Surgical CPD Course. University of Toronto Continuing Professional Development Retreat. Toronto, ON.
- 2016 Jul Keynote Speaker. Sudden SNHL & Tinnitus: An Otolaryngology Perspective. Annual Conference Listen Up Canada. Cambridge, ON.
- CHEPEHA, D**
- 2017 Jun Presenter. Hemiglossectomy tongue reconstruction: Modeling of elevation, protrusion, and functional outcome using receiver operator characteristic curve. 19th Annual Wharton/Elia Day with the Sullivan Lecturer.
- CHIODO, A**
- 2016 Nov Invited Lecturer. Emergencies in Otolaryngology-Head and Neck Surgery. Department of Family Medicine, Michael Garron Hospital, Resident Lectures.
- DE ALMEIDA, J**
- 2017 Jun 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.
- 2017 May Course Director. Skull Base Symposium. Department of Medical Imaging. St. Michael's Hospital. Toronto, ON.
- 2017 May Invited Speaker. Surgical Approach to the Anterior Skull Base. Skull Base Symposium. Department of Medical Imaging. St. Michael's Hospital. Toronto, ON.
- 2017 Apr 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.
- 2016 Oct Invited Lecturer. Comparing open and endoscopic approaches: Limitations of the endoscopic approach. Lougheed Microneurosurgical Course. Department of Surgery, Division of Neurosurgery. University of Toronto.

PROVINCIAL/LOCAL MEETINGS (continued)

2016 Oct Course Instructor. Cadaveric dissections (4 hrs). Lougheed Microneurosurgical Course. Department of Surgery, Division of Neurosurgery. University of Toronto.

2016 Oct Invited Lecturer. Open vs. Endoscopic Skull Base Approaches. Lougheed Neurosurgical Course. University of Toronto, Department of Otolaryngology-Head and Neck Surgery. Toronto, ON.

ENEPEKIDES, D

2017 May Invited Speaker, Early Discharge After Thyroid Surgery. Sir William Osler Health System-Etobicoke. Toronto, ON.

2017 Jun Lecturer. Quality and Safety Committee Update – Guidelines on Antibiotic and Venothromboembolic Prophylaxis in Otolaryngology. University of Toronto, Dept. of Otolaryngology-Head & Neck Surgery. Grand Rounds.

FALLS, C

2017 May Lecturer. Auditory Evoked Potentials (ECOG, ABR, cortical). ENT Fellows Toronto General Hospital. Toronto, ON.

2017 Jan Invited Panellist. 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.

2016 Nov Presenter. Audiogram of the Month. Otolaryngology Residents. Department of Otolaryngology-Head & Neck Surgery. University of Toronto.

2016 Nov Workshop Facilitator. Otoscopy. Research Associates. Toronto Rehabilitation Institute. Toronto, ON.

FREEMAN, J

2017 Jan 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.

2017 Jan 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.

2017 Feb Central Neck Dissection. How I do It Video Session, The 15th Annual Otolaryngology Update 2017. OMA Annual Otolaryngology-Head & Neck Surgery Section Meeting, Toronto, ON.

2017 Feb Guest Lecturer. The ATA Guidelines 2015 Influence on Thyroid Oncology Stakeholders. Gattineau Endocrinologists and Gattineau Head and Neck Surgeons. Ottawa, ON.

GILBERT, R

2017 Feb Invited Lecturer. Advances in Airway Surgery Repair, Reconstruction & Regeneration. Sprott Department of Surgery Grand Rounds. University Health Network. Toronto, ON.

2016 Sep Invited Lecturer. Experience and Innovation in Head and Neck Surgery. Grand Rounds, University of Toronto.

GOLDSTEIN, D

2017 May Invited Speaker. Management of Low Risk Thyroid cancer and Active Surveillance, Durham Regional Cancer Center Endocrine Oncology Division. ON.

PROVINCIAL/LOCAL MEETINGS (continued)

2017 Apr	Invited Speaker. Thyroid cancer surgery. Canadian Association of Nuclear Medicine National meeting. Toronto, ON.
2017 Feb	Invited Speaker. Approach to Head and Neck Mass. Canadian General Surgery Review Course. Toronto, ON.
2017 Jan	Speaker. Active Surveillance in Thyroid Cancer. Symposium on Management of Low risk DTC and NIFT. Toronto ON.
2016 Oct	Speaker, Trillium Health Partners Thyroid Cancer Working Group, Role of Active Surveillance in the management of Low risk Thyroid Cancer. Mississauga, ON.
2016 Oct	Lecturer. Role of Active Surveillance in the management of Low risk Thyroid Cancer. Grand Rounds, Department of Otolaryngology, University of Toronto.

GOULDING, G

2017 Mar	Guest Lecturer. Pediatric Cochlear Implantation. York University. Teacher of the Deaf Program. Toronto, ON.
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GULLANE, P

2017 May	Invited Speaker. Thirty years of Evolution and Revolution. Skull Base Symposium. Toronto, ON.
2017 May	Invited Speaker. HPV Head & Neck Cancer- A growing Epidemic. Canadian Life Insurance Medical Officers Association. Toronto, ON.
2016 Nov	Invited Lecturer. Salivary Gland Neoplasms, Parapharyngeal space neoplasms & other neck masses. University of Toronto Core Lectures. Toronto, ON.

HARRISON, RV

2017 Jun	Invited Lecture. Mechanisms of Hearing Loss. Mechanics of Hearing Annual Workshop. Brock University. St. Catherine's, ON.
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IRISH, J

2017 Jan	Visiting Professor. The Changing Role of the Surgeon: Leading the Transformation of Health Care. Western University Department of Otolaryngology-Head and Neck Surgery. London, ON.
2016 Sept	Invited Speaker. GTx Technology: Implementation and Program Update. Interaction 2014, An Integrated Industry & Academic Conference for Clinical Trials in Oncology. Toronto, ON.

JAMES, A

2017 Feb	Invited Speaker. Cholesteatoma: How I do it. 15 th Annual Otolaryngology Update 2017, Hospital for Sick Children. Toronto, ON.
2017 Jun	Invited Speaker. Quality and Safety. Grand Rounds. Department of ORL-HNS, University of Toronto. Toronto, ON. Presenters: Monteiro E, Singh P, James AL, Enepekides, D.

LE, T

2017 Jun	Invited Speaker. Magnetic targeting of biological therapies to the inner ear. Grand Rounds. Hurvitz Brain Sciences Sunnybrook Research Institute. Sunnybrook Health Sciences Center. Toronto, ON.
2016 Oct	Magnetic targeting of stem cell therapy to the inner ear. Grand rounds. Department of Otolaryngology Head & Neck Surgery. University of Toronto.

PROVINCIAL/LOCAL MEETINGS (continued)

LEE, A

2017 Jan Invited Speaker. Volunteer Experience in Zanzibar May 2016. Dr. Joseph Wong Smile China Lecture. Department of Otolaryngology-Head & Neck Surgery, University of Toronto.

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 Mar Invited Speaker. Acoustic Neuromas: An Update on Management. Otolaryngology-Head & Neck Surgery, Sunnybrook Health Sciences Centre. Toronto, ON.

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

2017 Jan Invited Speaker. My Medical Mission Trip to Kijabe, Kenya. Joseph Wong Smile China Lecture. Department of Otolaryngology-Head & Neck Surgery, University of Toronto.

2016 Oct Invited Speaker. Acoustic Neuromas: A Primer. Operative Room Nurses Rounds, Sunnybrook Health Sciences Centre. Toronto, ON.

2016 Aug Invited Speaker. Update on Hearing Aids for the Community Otolaryngologist. Department of Otolaryngology-Head & Neck Surgery. Toronto, ON.

LIU, FF

2017 May Invited Panellist. Recruiting World-Leading Talent. The Princess Margaret Cancer Foundation's Behind-the-Scenes Donor Impact Event, Thanks a Billion Edition. Toronto, ON.

2017 May Keynote Speaker. Precision Radiation Medicine: The Future of Radiation Repair. Target Insight 2017 Personalized Medicine: From Theory to Practice Conference. Toronto, ON.

MONTEIRO, E

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

2016 Monteiro E. Evaluation of the patient with Dizziness. 2016 MSH/UHN Geriatrics Update. Toronto, ON.

POTHIER, D

2016 Oct The Principles of Endoscopic Ear Surgery. McMaster University Otolaryngology-Head & Neck Surgery Resident's Research Day. Hamilton, ON.

PROPST, E

2017 Apr Invited Speaker. Common Issues Facing Respiriologists and Otolaryngologists in the Upper and Lower Airway. SickKids Respirology Fellows. Toronto, ON.

2017 Feb Invited Speaker. Pediatric Obstructive Sleep Apnea: What's New? University of Toronto Sleep Symposium. Toronto, ON.

2017 Feb Panel Moderator. Cases of Pediatric Obstructive Sleep Apnea. University of Toronto Sleep Symposium. Toronto, ON. Panellists: Matthew Bromwich, Indra Narang, Colin Shapiro, Julie Strychowsky.

PROVINCIAL/LOCAL MEETINGS (continued)

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

2017 Jan Invited Speaker. 4th Year General Pediatric Residents and Sub Specialty Fellowship Royal College Review Session. Dr. Laura Kinlin. Toronto, Ontario, Canada. Presenters: Evan Propst and Sharon Cushing. Royal College exam preparation course on Otolaryngology - Head & Neck Surgery.

2016 Sept Invited Speaker. Hands-on bronchoscopy for Otolaryngology residents. Otolaryngology-HNS Bootcamp. London, ON.

RINGASH, J

2017 May Presenter. Topgear trial update. Minimally Invasive Surgery Rounds. University of Toronto.

2017 Apr Presenter. Outcomes Research Seminar. MSc 1508H Foundations of Radiation Therapy Research. University of Toronto.

2017 Jan Presenter. Development and preliminary evaluation of a rehabilitation consult for survivors of head and neck cancer. UHN Clinical Epidemiology – Health Services “Work in Progress” rounds. University Health Network/University of Toronto. Presenters: Jolie Ringash, Sara McEwen, Colleen Dunphy.

2016 Dec Presenter. Outcomes: Clinical & dosimetric considerations. Stereotactic RT & Mets – Oligometastases & Beyond. RT Education Course. Princess Margaret Cancer Centre. Toronto, ON. Presenters: Ringash J, Lindsay P.

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

2017 Apr Faculty. Expert Filler Techniques. Lumps, Bumps and Looks in the Head and Neck: An Update in Dermatology and Facial Plastic & Reconstructive Surgery, Department of Otolaryngology-Head & Neck Surgery, University of Toronto.

WITTERICK, I

2016 Sept Grand Rounds Presenter. State of the Union. Department of Otolaryngology-Head & Neck Surgery, University of Toronto.



2017 Annual Wharton/Elia day

Papers Presented at Conferences/Society Meetings

INTERNATIONAL MEETINGS

AUSTRIA

RINGASH, J

2017 May

Comparison of clinical behaviour of viral related oropharyngeal and nasopharyngeal carcinoma. 2017 European Society for Therapeutic Radiology and Oncology (ESTRO) Annual Meeting. Vienna, Austria. Huang SH, Waldron JN, Su J, Bratman S, Kim J, Bayley AJ, Ringash J, Giuliani M, Hope A, Cho J, Hansen A, Jang R, de Almeida J, Perez-Ordóñez B, Weinreb I, Tong L, Xu W, O'Sullivan B.

2017 May

Partial laryngeal IMRT for T2N0 glottic cancer: impact of image guidance and radiotherapy regimen. 2017 European Society for Therapeutic Radiology and Oncology (ESTRO) Annual Meeting. Vienna, Austria. Rock K, Huang SH, Tiong A, Lu L, Xu W, Tong L, Bayley A, Bratman SV, Cho J, Giuliani M, Hope A, Kim J, Ringash J, O'Sullivan B, Waldron J.

2017 May

Mandible osteoradionecrosis in oropharynx carcinoma treated with IMRT. 2017 European Society for Therapeutic Radiology and Oncology (ESTRO) Annual Meeting. Vienna, Austria. Caparrotti F, Huang SH, Lu L, Bratman S, Ringash J, Bayley A, Cho J, Giuliani M, Kim J, Waldron J, Hansen A, Tong L, Xu W, O'Sullivan B, Wood R, Goldstein D, Hope A.

CANADA (International Meetings in Canada)

CAMPISI, P

2016 Oct

Evaluation of an ophthalmoscopy simulator to teach normative anatomy and funduscopy skills to paediatric residents. International Conference on Medical Education. Niagara Falls, Ontario, Canada. Presenters: Kouzmitcheva E, Ali A, Carrillo B, Atkinson A, Forte V, Campisi P, Grover S, Berenbaum T, Yeh EA.

DE ALMEIDA, J

2016 Sept

Comparing Radiotherapy Volumes and Clinical Outcomes for Unknown Primary and Small Base of Tongue Squamous Cell Carcinomas: A Rationale for lingual Tonsillectomy in the Diagnostic Work-up of Head and Neck Unknown Primary Carcinomas. CARO - Canadian Association of Radiation Oncology. Banff, Alberta, Canada. Presenters: Ali Hosni, Scott Bratman, John Waldron, Brian O'Sullivan, Shao-Hui Huang, David Goldstein, Wei Xu, Michael Au, Anuparn Rishi, Peter Dixon, John de Almeida.

ENEPEKIDES, D

2017 May

Presenter. Use of the National Surgical Quality Improvement Program Risk Calculator for Predicting Complications in Head and Neck Oncology Surgical Patients. Annual Meeting of the Canadian Society of Otolaryngology-Head and Neck Surgery. Presenters: P. Vosler, M. Orsini, D. Enepekides, K. Higgins. Saskatoon, SK.

LAUGHLIN, S

2017 Jun

Longitudinal Changes in White Matter and Cognition in Children Treated for Posterior Fossa Tumours. 2017 Organization for Human Brain Mapping Annual Meeting. Vancouver, BC. Presenters: Partanen M, Skocic J, Bouffet E, Laughlin S, Mabbott D, Strother D, McConnell D, Hukin J.

INTERNATIONAL MEETINGS (continued)**LEE, J**

2017 Jun The effect of endoscopic sinus surgery wait times on quality of life outcomes in patients with chronic rhinosinusitis. Canadian Society of Otolaryngology-Head & Neck Surgery Annual Meeting. Saskatoon, SK. Presenter(s): Hao W, Yip J, Lee J.

LIN, V

2017 Jun Comparison of Hearing Preservation Rates and Performance on Functional Sound Field Tests between 28 mm and 31 mm Electrode Arrays: A Prospective Cohort Study. Annual Meeting of the Canadian Society of Otolaryngology-Head & Neck Surgery. Saskatoon, SK. Presenters: Adam Kwinter, Vincent Lin.

MONTEIRO, E

2017 Jun Hong C, Giannopoulos, Hong B, Monteiro E, Mitsouras D, Witterick I, Irish J. Clinical Applications of 3D Printing In Otolaryngology-Head & Neck Surgery: A systematic Review. Canadian Society of Otolaryngology-Head & Neck Surgery 2017 Annual Meeting. Saskatoon, SK.

PAPAIIOANNOU, 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 Frequency Analysis in the Human Cochlea Revealed by Electro-Cochleography. Abstracts of the Annual Meeting of the Collegium ORL. (CORLAS) Bordeaux, France. Harrison RV, M. Portmann, R. Dauman, J.M. Aran

IRELAND**CHIODO, A**

2017 Feb Community-based Clerkship in Otolaryngology-Head and Neck Surgery: An analysis of medical student performance and satisfaction. 6th International Conference for Healthcare and Medical Students (ICHAMS) in Dublin, Ireland. BMC Proceedings 2017 11(Suppl 4):4 Bansal N, Xu J, Campisi P, Witterick I, Vescan I, Chiodo A.

SOUTH AFRICA**CAMPISI, P**

2017 Feb Age of Onset, and not HPV Type, Predict Aggressiveness in Recurrent Respiratory Papillomatosis. Buchinsky F, Campisi P, et al. 31st International Papillomavirus Conference – HPV 2017. Cape Town, South Africa.

INTERNATIONAL MEETINGS (continued)

SWEDEN

WITTERICK, I

2016 Jul Implicating patients in sinus care: The chronic sinusitis action plan (CSAP). 26th Congress of the European Rhinologic Society. Stockholm, Sweden. Presenters: Nayan S. Authors: Nayan S, Kilty S, Sommer D, Tewfik M, Wright E, Rotenberg B, Witterick IJ, Desrosiers M.

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 Impact of lymph node count in neck dissection on regional and/or distant failure in pT1-T2pN0-N1 oral cavity squamous cell carcinoma. 58th Annual ASTRO Meeting. Boston, MA. Presenters: Hosni A, McMullen C, Goldstein D, Huang SH, Xu W, Song Y, Bayley A, Bratman SV, Cho J, Giuliani ME, Kim JJ, Ringash JG, Waldron JN, de Almeida JR, Brown D, Gullane PJ, Gilbert RW, Irish J, O'Sullivan B, Hope AJ.

CHEPEHA, D

2016 Jul Wolf GT, Worden F, Dellile E, Urba S, Bradford CR, Eisbruch A, Carey TE, Taylor JMG, Chepeha DB and UM Head and Neck SPORE Program Investigators. Curing Laryngeal Cancer: The Michigan Experience. Survival results and future challenges. AHNS 9th International Conference on Head and Neck Cancer. Seattle, WA.

DABDOUB, A

2017 Noda, T., Nishimura, K., Meas, S., Amemiya, Y., Dabdoub, A. Reprogramming spiral ganglion non-neural cells into induced neurons. Association for Research in Otolaryngology 2017. Baltimore, MA.

2017 Samarajeewa, 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 Lenz, D., Dabdoub, A., and AS. Edge. Identification of downstream targets of beta-catenin in the newborn mouse cochlea. Association for Research in Otolaryngology 2017. Baltimore, MA.

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 Costs and perioperative outcomes associated with open versus endoscopic resection of sinonasal malignancies with skull base involvement. 27th Annual North American Skull Base Society Meeting. Presenter(s): Fu TS, Monteiro E, Witterick I, Vescan A, Zadeh G, Gentili F, de Almeida JR. New Orleans, LA. ***awarded Feature Presentation Research Award. Speaker: Terence Fu, Mentor: John de Almeida.*

INTERNATIONAL MEETINGS (continued)

- 2017 Mar Is expanded endoscopic approach cost-effective compared to open surgical approaches for olfactory groove meningioma: a cost-utility analysis. 27th Annual North American Skull Base Society Meeting. New Orleans, LA. Presenters: Yao C, Ziai H, Zadeh G, de Almeida JR.
- 2016 Sept Impact of lymph node count in neck dissection on regional and/or distant failure in pT1-T2pN0-N1 oral cavity squamous cell carcinoma. 58th Annual ASTRO Meeting. Boston, MA. Presenters: Hosni A, McMullen C, Goldstein D, Huang SH, Xu W, Song Y, Bayley A, Bratman SV, Cho J, Giuliani ME, Kim JJ, Ringash JG, Waldron JN, de Almeida JR, Brown D, Gullane PJ, Gilbert RW, Irish J, O'Sullivan B, Hope AJ.
- 2016 Sept Evaluation of the rationale for lingual tonsillectomy in the diagnostic work-up of head and neck squamous cell carcinoma of unknown primary: impact of identifying small tongue base primary tumours on IMRT characteristics and clinical outcomes. 58th Annual ASTRO Meeting. Boston, MA. Presenter(s): Hosni A, Dixon P, Rishi A, Au M, Xu W, David G, Huang SH, O'Sullivan B, Waldron J, de Almeida JR, Bratman SV.
- 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.
- 2016 Jul Comparing Radiotherapy volumes and clinical outcomes for unknown primary and small base of tongue squamous cell carcinomas: A rationale for lingual tonsillectomy in the diagnostic work-up of head and neck unknown primary carcinomas. AHNS 9th International Conference on Head and Neck Cancer. Seattle, WA. Presenters: Ali Hosni, John de Almeida, Scott Bratman, Brian O'Sullivan, Shao-Hui Huang, David Goldstein, Wei Xu, Anupam Rishi, Peter Dixon, Michael Au, John Waldron.
- GOLDSTEIN, D**
- 2016 Sept Independent adverse prognosis of elevated serum LDH in human papillomavirus-related oropharyngeal cancer. 58th Annual ASTRO Meeting. Boston, MA. Presenters: Huang SH, Bratman SV, Su J, Tong L, Kim JH, Waldron JN, Hansen A, Goldstein D, Bayley A, Cho J, Giuliani ME, Hope AJ, Ringash JG, Xu W, O'Sullivan B.
- 2016 Sept Impact of tumor volume and the surrogate effect of lymph node location on risk of distant metastases in nasopharyngeal cancer. 58th Annual ASTRO Meeting. Boston, MA. Presenters: Rathod S, Huang SH, Su J, Kim JJ, Waldron JN, Bayley A, Bratman SV, Cho J, Giuliani ME, Hope AJ, Ringash JG, Hansen A, Goldstein D, Tong L, Xu W, O'Sullivan B.
- 2016 Sept Impact of lymph node count in neck dissection on regional and/or distant failure in pT1-T2pN0-N1 oral cavity squamous cell carcinoma. 58th Annual ASTRO Meeting. Boston, MA. Presenters: Hosni A, McMullen C, Goldstein D, Huang SH, Xu W, Song Y, Bayley A, Bratman SV, Cho J, Giuliani ME, Kim JJ, Ringash JG, Waldron JN, de Almeida JR, Brown D, Gullane PJ, Gilbert RW, Irish J, O'Sullivan B, Hope AJ.
- 2016 Sept Outcome of radiation therapy for aggressive basal cell carcinoma of the head and neck. 58th Annual ASTRO Meeting. Boston, MA. Presenters: Rishi A, Huang SH, Song Y, Waldron JN, O'Sullivan B, Wells W, Ringash JG, Sun A, Hope AJ, Chung P, Giuliani ME, Goldstein D, Spreafico A, Tong L, Xu W, Bayley A.
- 2016 Sept Prognostic factors from computer-assisted image analysis of an oral cavity squamous cell carcinoma tissue microarray. 58th Annual ASTRO Meeting. Boston, MA. Presenters: Lee SL, Cabanero M, Hyrcza M, Butler M, Liu FF, Hansen A, Huang SH, Tsao M, Song Y, Xu W, Goldstein D, Weinreb I, Bratman SV.
- 2016 Sept Prognostic value of pre-treatment serum lactate dehydrogenase in HPV-related and HPV-unrelated oropharyngeal cancer. 58th Annual ASTRO Meeting. Boston, MA. Presenters: Huang SH, Bratman SV, Su J, Tong L, Kim JH, Waldron JN, Hansen A, Goldstein D, Bayley A, Cho J, Giuliani ME, Hope AJ, Ringash JG, Xu W, O'Sullivan B.

INTERNATIONAL MEETINGS (continued)

- 2016 Sept Impact of lymph node density on distant metastasis and survival in resected oral cavity squamous cell carcinoma. 58th Annual ASTRO Meeting. Boston, MA. Presenters: Hosni A, Goldstein D, Huang SH, Xu W, Song Y, Bayley A, Bratman SV, Cho J, Giuliani M, Kim J, Ringash J, Waldron J, Gullane PG, Gilbert RW, Irish JC, O'Sullivan B, Hope A.
- 2016 Sept Impact of tumor volume and the surrogate effect of lymph node location on risk of distant metastases in nasopharyngeal cancer. 58th Annual ASTRO Meeting. Boston, MA. Presenters: Rathod S, Huang SH, Su J, Kim JJ, Waldron JN, Bayley A, Bratman SV, Cho J, Giuliani ME, Hope AJ, Ringash JG, Hansen A, Goldstein D, Tong L, Xu W, O'Sullivan B.
- 2016 Sept Outcome of radiotherapy for aggressive forms of basal cell carcinoma of the head and neck. 58th Annual ASTRO Meeting. Boston, MA. Presenters: Rishi A, Huang SH, Song Y, Waldron J, O'Sullivan B, Wells W, Ringash J, Sun A, Hope A, Chyung P, Giuliani M, Goldstein D, Spreafico A, Tong L, Xu W, Bayley A.
- 2016 Sept Computer-assisted image analysis of an oral cavity squamous cell carcinoma tissue microarray. 58th Annual ASTRO Meeting. Boston, MA. Presenters: Lee S, Cabanero M, Hyrcza M, Butler M, Liu FF, Hansen A, Huang SH, Tsao M, Song Y, Xu W, Goldstein D, Weinreb I, Bratman S.
- 2016 Jul Comparing radiotherapy volumes and clinical outcomes for unknown primary and small base of tongue squamous cell carcinomas: A rationale for lingual tonsillectomy in the diagnostic work-up of head and neck unknown primary carcinomas. AHNS 9th International Conference on Head and Neck Cancer. Seattle, WA. Presenters: Ali Hosni, John de Almeida, Scott Bratman, Brian O'Sullivan, Shao-Hui Huang, David Goldstein, Wei Xu, Anupam Rishi, Peter Dixon, Michael Au, John Waldron.
- GORDON, K**
- 2016 Dec Sandor, M., Gorodensky, J., Papsin, B.C., Cushing, S.L., Gordon, K.A. Can binaural fusion be compromised in children using bilateral hearing aids? Annual Conference of the Society Ear Nose and Throat Advances in Children, Orlando FL.
- 2016 Dec Gordon, K.A., Easwar, V., Yamazaki, H., Jiwani, S., Papsin, B.C. Unilaterally driven reorganization of cortical hemispheric function is protected by bilateral cochlear implantation in children-podium presentation, Annual Conference of the Society Ear Nose and Throat Advances in Children, Orlando, FL.
- 2016 Dec Vicky Papaioannou, Blake C. Papsin, Karen A. Gordon, Sharon L. Cushing Vestibulotoxicity after paediatric cancer treatment. Annual Conference of the Society Ear Nose and Throat Advances in Children, Orlando FL.
- LAUGHLIN, S**
- 2017 Apr Utility of Diffusion Imaging in Detection of Gray Matter Heterotopia. America Society of Neuroradiology 55th Annual Meeting. Long Beach, CA. Presenters: Ashmawy R, Branson H, Lee W, Krishnan P, Laughlin S.
- 2017 Apr MRI Characteristics of Metastatic Lesions to Differentiate Molecular Subgroups in Pediatric Medulloblastoma. America Society of Neuroradiology 55th Annual Meeting. California, United States. Presenters: Mata-Mbemba D, Ramaswamy V, Zapotocky M, Laughlin S, Taylor MD, Raybaud C.
- LEE, J**
- 2017 Mar Sino-Nasal quality of life before and after endoscopic transsphenoidal skull base surgery. North American Skull Base Society Annual Meeting. New Orleans, LA. Presenter(s): Wu V, Cusimano M, Lee J.

INTERNATIONAL MEETINGS (continued)**MONTEIRO, E**

- 2017 Mar Fu Terence, Monteiro E, Witterick I, Vescan A, Zadeh G, Gentili F, de Almeida J. Costs and perioperative outcomes associated with open versus endoscopic resection of sinonasal malignancies with skull base involvement. North American Skull Base Society 27th Annual Meeting. New Orleans, LA.
- 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.

PAPAIIOANNOU, V

- 2016 Dec Vestibulotoxicity following paediatric cancer treatment. Society for Ear, Nose, and Throat Advances in Children. Orlando, Florida, United States of America, Papaioannou, V, Sokolov, M, Nathan, P, Gordon, KA, Papsin, BC, Cushing, SL.

RINGASH, J

- 2017 Jun A novel rehabilitation planning consult for survivors of head and neck cancer: Pilot testing. Presenter: McEwen S. MASCC/ISOO Annual Meeting, Washington DC. McEwen SE, Dunphy C, Rios J, Davis A, Jones J, Martino R, Poon I, Rodriguez AM, Ringash J.
- 2016 Sept Outcome of Radiation Therapy for Aggressive Basal Cell Carcinoma of the Head and Neck. American Society of Radiation Oncology (ASTRO). Boston, MA. Rishi A, Huang SH, Song Y, Waldron JN, O'Sullivan B, Wells W, Ringash JG, Sun A, Hope AJ, Chung P, Giuliani ME, Goldstein D, Spreafico A, Tong L, Xu W, Bayley A.
- 2016 Sept Impact of Lymph Node Count in Neck Dissection on Regional and/or Distant Failure in pT1-2 pN0-1 Oral Cavity Squamous Cell Carcinoma. American Society of Radiation Oncology (ASTRO). Boston, MA. Hosni A, McMullen C, Goldstein D, Huang SH, Xu W, Song Y, Bayley A, Bratman SV, Cho J, Giuliani ME, Kim JJ, Ringash JG, Waldron JN, de Almeida JR, Brown D, Gullane PJ, Gilbert RW, Irish J, O'Sullivan B, Hope AJ.
- 2016 Sept Impact of Tumor Volume and the Surrogate Effect of Lymph Node Location on Risk of Distant Metastases in Nasopharyngeal Cancer. American Society of Radiation Oncology (ASTRO). Boston, MA. Rathod S, Huang SH, Su J, Kim J, Waldron JN, Bayley A, Bratman SV, Cho J, Giuliani ME, Hope AJ, Ringash JG, Hansen A, Goldstein D, Tong L, Xu W, O'Sullivan B.
- 2016 Sept Dosimetric Associations With Acute Liver Toxicity in Stereotactic Body Radiation Therapy for Liver Metastases. American Society of Radiation Oncology (ASTRO). Boston, MA. Barry AS, McPartlin AJ, Lindsay PE, Brierley J, Kim J, Ringash JG, Wong R, Dinniwell R, Cummings BJ, Brade AM, Craig T, Dawson LA.
- 2016 Sept Stereotactic Body Radiation Therapy for Colorectal Liver Metastases—Long-Term Follow-up of a Single Center's Sequential Prospective Studies. American Society of Radiation Oncology (ASTRO). Boston, MA. McPartlin AJ, Barry AS, Murray L, Swaminath A, Dinniwell A, Brade AM, Ringash J, Brierley J, Kim, R. Wong, Cummings BJ, Dawson LA.
- 2016 Sept Failure of Standardized High-Dose Radiation (63 Gy/7 weeks) and 2 Cycles of Concurrent 5FU and Mitomycin to Control Large Anal Cancers. American Society of Radiation Oncology (ASTRO). Boston, MA. Hosni A, Cummings BJ, Han K, Le L, Brierley J, Wong R, Dinniwell R, Brade AM, Dawson LA, Ringash JG, Krzyzanowska M, Chen E, Hedley D, Knox J, Easson A, Craig T, Lindsay PE, Kim JJ.
- 2016 Sept Independent Adverse Prognosis of Elevated Serum LDH in Human Papillomavirus-Related Oropharyngeal Cancer. American Society of Radiation Oncology (ASTRO). Boston, MA. Huang SH, Bratman SV, Su J, Tong L, Kim JH, Waldron JN, Hansen A, Goldstein A, Bayley A, Cho J, Giuliani ME, Hope AJ, Ringash J, Xu W, O'Sullivan B.

INTERNATIONAL MEETINGS (continued)

- 2016 Sept Long-Term Quality of Life of Retroperitoneal Sarcoma Patients Treated With Preoperative Radiation Therapy and Surgery. American Society for Radiation Oncology (ASTRO). Boston, MA. Wong P, Kassam Z, Swallow C, Gladdy R, Chung P, O'Sullivan B, Ringash JG, Catton CN.
- 2016 Sept Longer Survival with Concurrent High Dose Cisplatin and IMRT for Patient with Cervical Esophageal Carcinoma. American Society for Radiation Oncology (ASTRO). Boston, MA. McDowell LJ. Co-Authors: Huang SH, Xu W, Che J, Wong R, Brierley J, Kim J, Waldron J, Bayley A, Hansen A, Witterick I, Ringash J.
- 2016 Sept Screening for Mild Cognitive Impairment in English and Chinese speaking survivors of Nasopharyngeal carcinoma. American Society for Radiation Oncology (ASTRO). Boston, MA. McDowell LJ, Bernstein L, Xu W, Ringash J, Song Y, Rock K, So N, Giuliani M, Hope A, O'Sullivan B, Bratman S, Cho J, Kim J, Jang R, Bayley A, Waldron J.
- 2016 Sept Phase II Study of Normal Tissue Tolerance-Adapted 5-fraction Stereotactic Body Radiation Therapy (SBRT) for Extra Cranial Oligometastases. American Society for Radiation Oncology (ASTRO). Boston, MA. Goody R, Panzarella T, Lindsay P, Paravasthu DM, Brade A, Dawson A, Chung P, Bezjak A, Brierley J, Kim J, Ringash J, Sun A, Giuliani M, Hope A, Gill S, Wong.
- 2016 Jul Correlation of Clinical and Patient-Reported Outcomes with Swallow Physiology in Head and Neck Cancer Patients Treated with Systemic Therapy and Radiotherapy (RT): Results of a Swallowing Substudy of CCTG HN.6 (NCT00820248). American Head and Neck Society. 9th International Conference on Head and Neck Cancer. Seattle, WA. Martino R, Shaw S, Greco E, Durkin L, Gomes A, Nault C, Gantefer A, Waldron J, Siu L, Gilbert R, Montenegro-Suris A, Parulekar W, O'Sullivan B, Chen B, Ringash J.
- VESCAN, A**
- 2017 Mar Recurrence of Anterior Skull Base Meningioma after Endoscopic Endonasal Resection. Retrospective Review of a Series of 28 Cases over Ten Years. NASBS. New Orleans, LA. Al Bernat, A Elsayy, Oh Kan, B. Krischek, D. Holliman, G. Klironomos, W. Kucharczyk, A. Vescan, G. Zadeh, F. Gentili
- 2017 Mar Technical Nuances of Combined Endoscopic Trans-Nasal and Trans-Facial Approach to Pterygopalatine Fossa: Highlighting the Merits of the Endoscopic Trans-Facial Anterior Maxillary Approach to the Infra-Temporal Fossa. NASBS. New Orleans, LA. A. Elsayy, G. Zadeh, A. Vescan.
- 2017 Mar Costs and Perioperative Outcomes Associated with Open Versus Endoscopic Resection of Sinonasal Malignancies with Skull Base Involvement. NASBS. New Orleans, LA. T. Fu, E. Monteiro, I. Witterick, A. Vescan, G. Zadeh, F. Gentili, J. de Almeida.

The data provided within this annual report does not include information pertaining to faculty members: Julija Adamonis, Ashlin Alexander, Sumeet Anand, Jason Atlas, Saf Banglawala, Glenn Beard, Deron Brown, Lora Carinci, Roman Chaban, Nitin Chauhan, KY Chow, Janet Chung, Dustin Dalgorf, Taryn Davids, Susan Druker, David Ellis, Ronald Fenton, David Finkelstein, Artur Gevorgyan, David Goldfarb, Everton Gooden, Aman Grewal, David Hacker, Jerry Halik, Robert Hekkenberg, Brad Hubbard, Robert Josephson, Thileep Kandasamy, Anil Katyal, William Kaul, Jack Kolenda, Mark Korman, Randy Leung, Bosco Lui, Berge Marcarian, Robert Mounsey, David Naiberg, Karin Nazarali, Alfred Oh, Ranju Ralhan, Richard Rival, Nadia Sandor, Raewyn Seaberg, Lorne Segall, Manish Shah, Oakley Smith, Eloise Thurier, Victor Toran, Adam Toth, Sandra Vojvodich, Ken Williams, Adrienne Wong, Erica Wong.



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