

# OTOLARYNGOLOGY - HEAD & NECK SURGERY ANNUAL REPORT

# 2014-2015



Leading Innovation. Achieving Impact

Edited By: Dr. lan J. Witterick Acknowledgements To:
Ms. Sonia Valente
Ms. Audrea Martin

Designed and Printed By:



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## Department of Otolaryngology— Head & Neck Surgery

Professor and Chair

Vice-Chair Education & Director of Postgraduate Education

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. lan J. Witterick

Dr. Paolo Campisi

Dr. Allan Vescan

Dr. Brad Hubbard

Dr. John Lee

Dr. Yvonne Chan

Dr. Robert V. Harrison

## Otolaryngologists-in-Chief

North York General Hospital

Sinai Health System

St. Joseph's Health Centre

St. Michael's Hospital

Sunnybrook Health Sciences Centre

The Hospital for Sick Children

Toronto East General Hospital

Trillium Health Partners

University Health Network

Dr. Everton Gooden

Dr. lan J. Witterick

Dr. Rick Fox

Dr. Jennifer Anderson

Dr. Joseph M. Chen

Dr. Blake Papsin

Dr. Al Chiodo

Dr. Jeffrey Mendelsohn

Dr. Ralph Gilbert

#### **Division Chiefs**

Head and Neck Oncology

Facial Plastic and Reconstructive Surgery

Dr. Ralph Gilbert

Dr. Peter Adamson

#### **Committee Chair Holders**

Executive

Undergraduate

Postgraduate

Continuing Professional Development

Research

Audioloay

Department Appointment Committee (DAC)

Department Promotions Committee (DPC)

**Budget Advisory** 

Community Academic Faculty

Advancement

Quality and Safety

Dr. lan 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. lan J. Witterick

Dr. Yvonne Chan

Dr. Patrick J. Gullane

Dr. Danny Enepekides

## Vision, Mission, Values

#### **Vision**

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

#### **Mission**

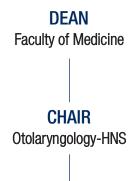
We prepare head and neck surgical leaders, contribute to our communities and improve the health of individuals and populations locally and globally through discovery, application and communication of knowledge.

#### **Values**

Excellence • Collaboration • Integrity • Respect
Compassion • Accountability • Caring • Leadership • Innovation



# Organizational Structure



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

## Chair's Report

#### DR. IAN J. WITTERICK



I am pleased to bring you the 2014-15 Annual Report. Our department continues to thrive and has had another banner year as detailed in this report.

We should be very proud of the University of Toronto. It is home to 25% of the Canadian University researchers

named to the prestigious and highly cited researchers list in 2014, more than at any other Canadian University. It is Canada's top University according to the U.S. News & World Reporting Rankings (released October 2014) and continues to be recognized as a global leader for academic research excellence. This survey examined 500 global institutions and focused on academic research and overall reputation. We were ranked 14th overall and best in Canada. In the 2014 National Taiwan University Performance Ranking of Scientific Papers for World Universities, the University of Toronto ranked 3rd in the world in clinical medicine. Based on total publications or citations, the top two universities in the world are Harvard and Toronto.

Our department continues to be a national and international leader in Otolaryngology-Head & Neck surgery. We are helping to shape the specialty and there is great optimism within our department and specialty as we move forward. Highlights of this annual report are summarized here.

## **UNIVERSITY LEADERSHIP**

Professor Trevor Young was appointed as Dean of the Faculty of Medicine and Vice-Provost, Relations with Healthcare Institutions for a 5-year term, commencing January 1, 2015. Dean Young was previously the Professor and Chair of the Department

of Psychiatry in the Faculty of Medicine, University of Toronto. I welcome and look forward to working with Dean Young.



L to R: Drs. Yazeed Alghonaim, Eric Monteiro, Ian Witterick and Dean Young at a Raptor's game

The Executive Committee of our department has approved the creation of a new position, Vice-Chair Education. This role oversees undergraduate medical education (UME), postgraduate medical education (PGME), continuing professional development (CPD) and faculty development for our department. Terms of reference were created and the Executive Committee unanimously endorsed Dr. Paolo Campisi in this role for a 5-year term. In addition, the Executive Committee approved the change in title of the Director of Research to Vice-Chair Research. Dr. Robert Harrison was unanimously endorsed to continue in this role. At the Faculty of Medicine, Dr. David Goldstein is our representative on Faculty Council, Dr. John Rutka is our representative on the Decanal Promotions Committee, Dr. Witterick chairs the Education Committee and Dr. Molly Zirkle is the Director of the Fitzgerald Academy.

#### CHANGES IN THE DEPARTMENT

Dr. Allan Vescan has done a terrific job as the new Director of Undergraduate Medical Education. Dr. Brad Hubbard started his practice at Toronto East General Hospital and has also taken on the role of Assistant Director (Pre-Clerkship) for UME. Dr. Al Chiodo took over as the Otolaryngologist-in-Chief at Toronto East General Hospital and Dr. Robert Hekkenberg accepted the role of Cancer Care Ontario Regional Surgical Oncology Lead for the NSM LHIN.

Congratulations to Dr. Edward Park who was elected as the Chief Resident for our department. We would like to thank Dr. Lukas Kus for doing a great job in this position over the last year.

Our colleague and friend, Dr. Joseph (Joe) Wong passed away on August 13, 2014 at the age of 59. He fought a long and hard battle with cancer over the last several years. Joe was an inspiring volunteer and leader; he will be particularly remembered for being the founder and team leader for the Smile China Project which helped so many unfortunate children in China with facial cleft and other facial deformities. The Smile China Board has helped to create the Dr. Joseph K. H. Wong/Smile China Project Award in Global Health and Outreach. This endowment will create an annual lectureship as well as provide funding for residents/fellows and faculty to go on humanitarian missions.

Ms. Sandra Kellogg retired from her role as our UME/PGME Administrator, a role she has held for the last 5 years. Our very best wishes and thanks to Sandra for her excellent work. Please join me in welcoming Mr. Michael Figueiredo who has joined the department to take over from Sandra.



Ms. Sandra Kellogg receiving recognition for her years of service from Mr. Michael Wilson, Chancellor - University of Toronto

#### **EDUCATION**

I would like to thank all of our education leads for their tremendous dedication to providing the best education in all areas. We are leaders nationally and internationally in UME, PGME and CPD.

## **Undergraduate Medical Education**

Drs. Vescan, Lee and Hubbard continue to do an excellent job in shaping the UME curriculum. Our faculty continues to receive very strong teaching effectiveness scores. The implementation of having more than half of the clinical clerks in third year attend a community clinic for their otolaryngology rotations has been a tremendous success. Our community faculty partners have done an amazing job of teaching our medical students and the feedback has been tremendous.

There are several changes coming as the Year 1 and 2 curriculums are being updated. In addition, there is now a longitudinal integrated curriculum for some medical students which was piloted at St. Michael's Hospital this year. It is being rolled out to other hospitals and academies for the next academic year.

The ASCM I session held on January 16, 2015 was very successful with 13 of our faculty participating. We are one of the few specialties that actually participate in this first year course. In addition, an

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OtoSim<sup>TM</sup> teaching evening was held on January 14, 2015 with more than 30 medical students participating. Thank you to Drs. Campisi and Forte for running these events as well as the successful OtoSim<sup>TM</sup> session in April 2015 for approximately 250 students. Dr. Brad Hubbard has taken the lead to organize the seminars for the Mechanisms, Manifestations and Management of Disease (MMMD) course held in April 2015. This is a combination of didactic lectures as well as the OtoSim<sup>TM</sup> session mentioned above. I want to thank Drs. Chiodo, de Almeida, Foreman, Forte, Grewal, Holler, Hubbard, Lee and Papsin for their significant contributions to this course.

Our education leads also participated in the Canadian Conference on UME held at McGill University in the fall of 2014. UME will continue to be a priority for our department and I am so thankful to our community and full-time faculty who have contributed so much time and energy in delivering our expanded curriculum. The medical students interested in our specialty this year were outstanding; the excellent quality and quantity of elective and selective students visiting our department showed a dramatic increase.

## **Postgraduate Medical Education**

I want to thank Dr. Paolo Campisi for the superb job he has done in PGME. He continues to create and rollout new initiatives including the boot camp, welcome reception, practical courses, standardized patients, resident retreats, sleep medicine program, graduation ceremony and the CaRMS interview process. He and his wife Susan hosted a very nice welcome reception for the new residents on July 3, 2014 at their beautiful home in Etobicoke. A sincere welcome to the 2014–15 PGY1s: Drs. Peter Dixon (Toronto), Yelda Jozaghi (McGill), Weibo Hao (Western), Yael Bensoussan (Montreal) and Patrick Scheffler (McGill).

The CaRMS interviews were held on January 30, 2015 and I would like to welcome the new PGY1s to our department effective July 1, 2015: Drs. Joel Davies (Toronto), Frédérick Laliberté (McGill), Mirko Manojlovic Kolarski (UBC), Sunita Rai (McMaster), and Josie Xu (Queen's). We also



Welcome Reception July 3, 2014

continue to attract high quality fellows from across the globe.

I would like to congratulate both of our PGY5 residents, Drs. Lukas Kus and Vinay Fernandes who were successful in passing their Royal College exams in June 2015. Vinay is off to do a head and neck oncology fellowship in California and Luke is starting a locum position in the GTA. A graduation ceremony was held on June 24, 2015 at the Faculty Club for the resident and fellow graduates attended by members of our department and the families of graduates. I would also like to congratulate Dr. Nik Wolter who received his MSc from the Institute of Medical Science this academic year.

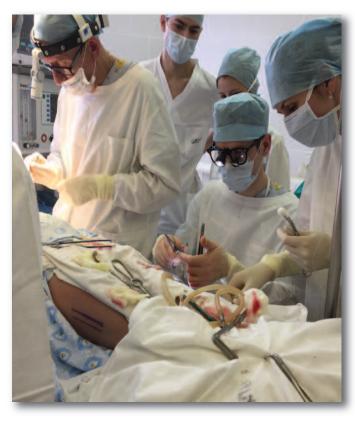
Dr. Campisi organized a fun evening for the residents at Polson Pier and the Docks on September 25, 2014 with Go Karting. A successful resident retreat was held on March 20, 2015.

There were numerous practical continuing education courses this year and many of the residents attended.

Our faculty audiologists were also very active teaching in the Audiogram of the Month program and the Kids2Hear Program. For example, on September 3, 2014 there were 71 medical students who applied to be part of the Kids2Hear program but they could only accept 40. The medical students were trained on the OtoSim<sup>TM</sup> simulator and then spent half a day in schools within the Toronto District School Board doing otoscopy and hearing screening for year 1 and year 2 kindergarten students as well as some grade 1 students. There was

supervision by residents and staff audiologists and all of this was viewed as an excellent example of a public health initiative by members of our department.

For the last several years, residents have had the opportunity to go on humanitarian missions with the Face the Future<sup>TM</sup> Program organized by Dr. Peter Adamson. Dr. Nik Wolter went on a humanitarian mission with Dr. Adamson to Russia in June 2015.



Dr. Nik Wolter harvesting a fascia lata graft on the mission

I would like to thank Dr. Adrian James for coordinating our monthly Journal Clubs and our entire faculty for the significant amount of teaching and education they provide for our residents and fellows.

A future date to keep in mind is the internal review of our department scheduled for June 23, 2016. This is part of the regular cycle of University of Toronto PGME reviews of different residency programs in anticipation of the Royal College reviews every 6 years.

## **Continuing Professional Development**

Dr. Yvonne Chan continues to do an outstanding job in CPD. She has expanded the courses offered and the number of visiting professors to our department.

In October 2014, the faculty at the Hospital for Sick Children did a remarkable job in hosting 5 courses. These were the 5th Annual International Pediatric Vestibular and Balance Update (Dr. Sharon Cushing), the International Pediatric Temporal Bone Dissection Course (Dr. Adrian James), the 8th International Symposium on Objective Measures in Auditory Implants (Drs. Karen Gordon and Blake Papsin), the International Pediatric Endoscopy Course (Dr. Evan Propst), and the International Pediatric Open Airway Surgery Course (Dr. Evan Propst). The Symposium on Objective Measures in Auditory Implants Course had close to 500 participants from all over the world. This is a major international symposium and viewed as a tremendous plus for our department to attract this meeting to Toronto.

The 5th Toronto Voice Course and Speech Language Pathology Course on February 6 & 7, 2015 was directed by Dr. Jennifer Anderson. The 13th Annual Otolaryngology-HNS Update on February 7, 2015 was again an incredible success organized by Dr. Yvonne Chan. Dr. David Pothier organized the Toronto Endoscopic Ear Surgery Course from March 31 to April 1, 2015 and Drs. Gilbert, Gullane and Irish helped in the organization the 17th Annual Wharton/Elia Day on May 15, 2015. A most successful Endoscopic Sinus Surgery course was held on May 22-23, 2015 with Visiting Professor Heinz Stammberger and organized by Dr. Yvonne Chan. This was an exceptional educational event based on the content, evaluations and personal communication.

I would like to congratulate two of our faculty, Drs. Gullane and Gilbert who gave 2 of the 7 keynote lectures at the 5th World Congress of the International Federation of Head & Neck Oncologic Societies held in July 2014 in New York. This was reportedly the largest meeting of head and neck oncologists ever held. Dr. Gullane gave the 2014 Hayes Martin Lecture and Dr. Gilbert gave the 2014 Jatin Shah Lecture.

We had a total of 19 visiting professors who gave

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Grand Rounds or named lectures and 41 who were invited faculty for the CPD courses held this 2014-15 academic year as detailed in the CPD report.

Courses planned for 2015-16 include a repeat of the Toronto Endoscopic and Airway Courses organized by Dr. Evan Propst, a Thyroid Ultrasound Course accredited by the American College of Surgeons on November 6, 2015 and the Current Concepts in Head & Neck Surgery Course on November 7 & 8, 2015 (a joint program between the University of Toronto, MD Anderson Cancer Center and Memorial Sloan-Kettering Cancer Center).

#### RESEARCH

I would like to thank Dr. Bob Harrison for continuing in the role (with a new title) as Vice-Chair Research and overseeing the research activities of our department. The Research Committee continues to meet and will help shape the research directions of our department. We have a tremendous breadth of research as evidenced by the Research Evening held on November 13, 2014 at the SickKids Research and Learning Tower. The format included poster displays and mini-seminars from the labs at Sunnybrook, UHN, SMH, SickKids and MSH. Participants learned about cutting-edge research within our department in a friendly and relaxed environment with food and refreshments. I thought this was an excellent environment for our trainees and faculty to learn about the depth and breadth of research in our department.

The department was able to support trainees to go to the Association for Research in Otolaryngology Mid-Winter Meeting held February 21-25, 2015 in Baltimore. Ms. Joanna Mulvaney and Mr. Mattia Carraro were able to attend this meeting sponsored by the department as well as the Judy Chauvin Fund.

The department has again sponsored interested faculty to attend grant writing courses. The significant number of grants, publications and invited presentations/panels nationally and internationally are detailed elsewhere. I would like to point out that we had 165 peer-reviewed publications in 75 journals and over 170 invited presentations/panels in 23 countries outside of Canada.

The Percy Ireland Academic Day held on May 8, 2015 at the University of Toronto's Hart House was very successful. Dr. Brad Welling, Walter Agustus LeCompte Professor and Chair, Harvard Department of Otology and Laryngology, Boston MA was our visiting Professor and Percy Ireland Orator. The title of his oration was "Decision Making in the Management of Vestibular Schwannomas: What's new in 2015?". In addition, 24 papers were presented by the postgraduate/graduate trainees. Congratulations to all of the residents, graduate students, fellows and faculty mentors who participated – see details on page 58.

The Harry Barberian Research Fund is supported by the Annual Harry Barberian Memorial Dinner, to be held on May 5th each year (Harry's Birthday) to honour the memory of Mr. Harry Barberian, the founder of Barberian's Steakhouse in Toronto. The purpose of the fund is to support the research activities of residents, graduate students and junior faculty in our department. The annual dinner is organized by Mr. Arron Barberian and Dr. Jeremy Freeman. I would like to congratulate the 2015 recipients – see details on page 55.

#### RETIREMENTS

Dr. Vito Forte retired from clinical practice as of September 1, 2015. He will continue to work with SickKids and the Institute of Biomaterials and Biomedical Engineering (IBBME) and be a member of our Department. A celebration in his honour was held on September 3, 2015.

Dr. Jack Friedberg retired from practice this year after many years as a remarkable clinician and educator at SickKids and MSH. His wisdom, common sense and advice will be missed. A generation of trainees owes him a debt of gratitude for the knowledge he passed to them.

Dr. Sharon Abel, PhD retired from her research lab at the Department of National Defence in mid-September 2015. Dr. Abel previously worked at MSH in the Lunenfeld-Tanenbaum Research Institute before being recruited to the Department of National Defense as a Senior Defence Scientist. Dr. Abel is an international authority on noise-induced hearing loss, communication in noise, auditory

vigilance and sound localization.

Dr. Martyn Hyde, PhD announced his retirement from MSH and the Otologic Function Unit. Dr. Hyde was instrumental in the development of brain stem evoked potential techniques to screen infants for hearing loss (universal newborn hearing screening). He was instrumental in the creation of the Ontario Infant Hearing Program which has been widely adopted and emulated around the world. Drs. Abel, Friedberg and Hyde have been approved as Professor Emeriti upon their retirement.

Ms. Ida Bennett retired from her role as a senior audiologist at MSH in June 2015. Ida was a great supporter of our department and will certainly be missed.

Lastly, Dr. Ron Fenton had a semi-retirement party at St. Michael's Hospital on June 22, 2015. Family, friends and colleagues gathered to wish Ron well as he starts to work a little less. Ron has been a member of our department for more than 45 years and was our recent Guest of Honour at the 2015 Percy Ireland Day and Dinner.

On behalf of our department, we want to thank Vito, Jack, Sharon, Martyn, Ida and Ron for their many years of excellence and service to our department and university.

#### **NEW FACULTY**

I would like to welcome Dr. Doug Chepeha to the department as a full-time faculty member at the Full Professor level. Dr. Chepeha is an international authority in Head and Neck Oncology and Head and Neck Reconstruction. He was recruited from the University of Michigan and is now working with the department at UHN. Dr. Theresa Holler became an Assistant Professor and Clinical Associate at St. Michael's Hospital. Dr. Brad Hubbard joined TEGH and is an Assistant Director UME. Clinical Adjunct Lecturer appointments were Sarfaraz Banglawala, Greg Belchetz, Janet Chung, Aman Grewal, Brad Hubbard, Mark Korman, Victor Toran and Adrienne Wong. Carolyn Falls was appointed to our department as a Status Only faculty at the rank of Lecturer. A warm welcome to our new crossappointed faculty, Dr. Jolie Ringash who is a Full Professor in the Department of Radiation Oncology

at the University of Toronto. New appointments for the next academic year include Dr. Eric Monteiro, who will start on July 1, 2015 at MSH as an Assistant Professor.

#### CELEBRATING OUR FACULTY

A reception was held on September 30, 2014 at the University of Toronto's Faculty Club to honour Drs. Al Chiodo, Danny Enepekides and Kevin Higgins in recognition of their promotion to Associate Professor.



Dr. Al Chiodo with wife Nadia and daughter Sara



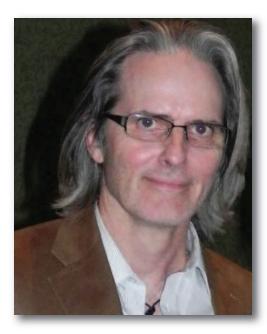
Dr. Danny Enepekides with wife Elena, son Jordan, daughters Kristina (in pink) and Anna

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Dr. Kevin Higgins with family. L to R: Norah Higgins Burnham, Maureen Hill (nee Higgins), Gord Hill, Betsy Higgins Jones, Cathy Lewis (nee Higgins), Peter Higgins, Shelagh Kellam (nee Higgins)

In addition, Dr. Oakley Smith was honoured for his 10 years of leadership as Otolaryngologist-in-Chief at TEGH. On November 19, 2014, there was a celebration dinner for TEGH and NYGH faculty honouring Dr. Smith's 10 years of service as Chief at TEGH and Dr. David Goldfarb for his years of service on staff at NYGH.



Dr. Oakley Smith



Dr. David Goldfarb (right) wtih Dr. Al Chiodo

## **PROMOTIONS**

I am pleased to report that our Promotions
Committee chaired by Dr. Bob Harrison put forward
5 faculty members for promotion to the Decanal
Promotions Committee this year. All of our faculty
were successful. Please join me in congratulating Dr.
Paolo Campisi (promotion to Full Professor) and
Drs. Jennifer Anderson, Alain Dabdoub, Andres
Gantous and Vincent Lin on their promotion to
Associate Professor effective July 1, 2015. In addition,
Dr. Karen Gordon has been promoted to the rank of
Senior Scientist in the SickKids Research Institute.

There were two faculty development sessions on Junior Promotion (Lecturer to Assistant Professor) offered to faculty at the Lecturer level. These sessions outlined the process around requesting a promotion. A total of 14 faculty members attended these sessions. There were also two faculty development

sessions for faculty interested in Senior Promotions (Associate and Full Professor).

#### **AWARDS AND HONOURS**

In February 2015, the Honourable Elizabeth Dowdeswell, Lieutenant Governor of Ontario and Chancellor of the Order of Ontario, invested Dr. Patrick Gullane into the Order of Ontario at a ceremony held at Queen's Park.

Two new scholarship awards have been created in honour of Dr. Arnold M. Noyek named the Arnold M. Noyek O.C. Awards. These scholarships will 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.

The Hertz Multidisciplinary Neurotology Clinic at UHN/TGH, led by Dr. John Rutka, was selected as the recipient of the 2013–14 Award of Merit for an outstanding team that role models interprofessional collaboration for patient–centred care to learners through the University of Toronto's Centre for Interprofessional Education.

Dr. Jenny Wang (PGY4) was the 2014-15 recipient of the Joseph M. West Family Memorial Fund and the William S. Fenwich Research Fellowship Awards to carry out her research. She also received the American Head & Neck Society Alando J. Ballantyne Resident Research Pilot Grant for her project titled "Chromatin Remodeling and Head and Neck Squamous Cell Carcinoma.

Dr. Oakley Smith was selected by the College of Physicians and Surgeons of Ontario to be part of their 2014 Future Leaders Day representing our specialty. Dr. Jean Davidson was the recipient of the 2014-15 Peters-Boyd Academy Pre-clerkship Teaching Award for her contributions to the MMMD course. Dr. Ralph Gilbert was made an Honourary Member of the Italian Society of Otorhinolaryngology Head and Neck Surgery (SIO) at their annual meeting in May 2015. The Society has granted only 10 previous honourary memberships with the last one a decade ago. The award was given to recognize Dr. Gilbert's contribution to head & neck oncology and the

reconstruction of head and neck defects. Dr. Raewyn Seaberg was chosen from a large number of nominees by the Awards Committee at Humber River Hospital to receive the newly established award for Excellence in Medical Teaching. This further emphasizes the strong commitment of our community faculty in helping to teach our specialty to the next generation of medical students. Finally, Dr. Kevin Higgins qualified for the Canadian Team for the Master's World Cycling Championship in Denmark in September 2015.

I would also like to congratulate all of our education and research award winners which are detailed in the Departmental Awards Program section of this report. Congratulations to all of our award winners.

#### **ALUMNI RELATIONS**

On July 27, 2014 we held an alumni get together at Planet Hollywood in New York City as part of the IFHNOS/AHNS meeting. There was also an alumni reception at the American Academy of Otolaryngology-Head & Neck Surgery meeting on September 23, 2014 as part of their annual meeting. The Alumni & Friends dinner was held on February 7, 2015 at Hart House. We honoured the class of 1989 (Drs. Frank Bravo, Roman Chaban, Jean Davidson, Brian Hynes, Stan Jacobs, Bob Kassel and Oakley Smith) as well as the 2014 resident and fellow graduates.

On May 7, 2015 at the Park Hyatt Hotel, the 24th Annual Percy Ireland Dinner was held honouring Dr. Ron Fenton. On June 6, 2015, at the 69th Annual Meeting of the Canadian Society Otolaryngology-Head & Neck Surgery in Winnipeg, a very successful alumni reception was held.

### **ADVANCEMENT**

I would like to welcome, our new Senior Development Officer, Ms. Heather Yearwood. Mr. Brian Bachand was appointed as the Executive Director of Advancement in the Faculty of Medicine effective August 1, 2014. On January 22, 2015, another very successful advancement dinner was held by Mr. Ralph Chiodo at the head office of Active Green+Ross. Approximately (\$100K) was raised for CHAIR'S REPORT 13

the purchase of the remainder of the OtoSim<sup>TM</sup> units for undergraduate medical teaching. The 3rd Annual Harry Barberian Memorial Dinner was held on May 5, 2015. The event was organized by Mr. Arron Barberian, Dr. Jeremy Freeman and the Mount Sinai Hospital Foundation. The Guest of Honour was the new Chief of Toronto Police, Chief Mark Saunders. A wonderful gastronomic event was held with great wine and a wonderful collegial atmosphere.

Through a generous donation from the Canadian Academy of Facial Plastic and Reconstructive Surgery and some matching funds from our department, a \$50K endowed graduate award has been created named the Wilfred Goodman Award in Facial Plastic & Reconstructive Surgery. The award will be given annually for the benefit of residents and fellows who are undertaking their education and research in the field of facial plastic and reconstructive surgery.

As mentioned earlier, the Smile China Foundation has endowed funds to support an annual lecture with an esteemed visiting professor focusing on global health and outreach. In addition, funds will be awarded to trainees or faculty members within the Faculty of Medicine to support the recipient's travel to low- or middle- income countries with the purpose of advancing education and building capacity in areas of need.

SickKids reported a \$300K gift over a 3-year time frame from the Cochlear Corporation which will be used for vestibular research.

#### STRATEGIC PLAN/FACULTY RETREAT

Several faculty development sessions were held as mentioned above regarding junior and senior promotions. On October 8–9, 2014 a number of faculty members attended faculty diversity workshops held by the Faculty of Medicine. On June 17, 2015, a faculty retreat was held on the ship "Miss Toronto". Faculty travelled around the Toronto Islands while receiving an update on our strategic plan and new initiatives in UME and PGME. The department has strongly encouraged interested faculty members to take a grant writing course and has paid for this. In addition, listings of leadership courses have been posted on our website and several

faculty are already taking advantage of this information for the next academic year.



June 17, 2015 faculty retreat attendees



Dr. Vescan providing a UME update at the June 17, 2015 faculty retreat

## INTERNATIONAL OUTREACH

The Canadian International Scientific Exchange Program (CISEPO) builds bridges to peace through academic medicine, public health, health care science and international cooperation. Details can be found on page 144. Dr. Peter Adamson's Face the Future<sup>TM</sup> Foundation organizes humanitarian missions to less developed countries. More information about the Foundation can be found on page 146. Other faculty members have participated in international

humanitarian trips including Dr. Yvonne Chan visiting Ho Chi Minh City, Vietnam – Ghia Ding Hospital on March 1-8, 2014.

In conclusion, there has been a lot of great activity in our department over the last academic year. I am indebted to our hospital and University leadership who have worked so hard to provide the best education and research opportunities. We continue to attract the best and brightest medical students to our specialty as well as outstanding fellows from around the globe. Our department is recognized as a world leader in Otolaryngology–Head & Neck Surgery and I think we should all be proud of our reputation and standing in world circles. Our administrative support is exceptional with Ms. Audrea Martin as our Business Officer, Ms. Sonia Valente as the Executive Assistant and our new UME/PGME Administrative Assistant, Mr. Michael Figueiredo.

I hope you enjoy looking through this report. If you have any questions or comments, please do not he sitate to contact me.

Excerpt from an article published on November 3, 2014 in the U of T News

University of Toronto is Canada's top university: U.S. News & World Reporting Rankings

U of T continues to be recognized as global leader for academic research excellence

The University of Toronto took 14th spot – and ranked best in Canada – in the U.S. News & World Report's Best Global Universities Ranking, released October 28.

The survey examined 500 global institutions and focused on academic research and overall reputation.

Read the entire article at:

http://news.utoronto.ca/university-toronto-canadas-top-university-us-news-world-report-rankings?utm\_source=Bulletin&utm\_medium=Email&utm\_content=News

## **Alumni and Friends Events**

July 27, 2014 - Planet Hollywood, New York in conjunction with the 5<sup>th</sup> World Congress of International Federation of Head and Neck Oncologic Societies (IFHNOS) and the Annual Meeting of the American Head and Neck Association (AHNS)



L to R: Drs. Dietmar Thurner, Antti Makitie, Kevin Higgins, Nigel Beasley



L to R: Drs. Brett Miles, David Goldstein, Danny Enepekides, Marc Cohen



L to R: Drs. Nitin Pagedar, Gideon Bachar, Ben Dixon, Dan Rocke, Eric Arruda



L to R: Drs. Nigel Beasley, Doug Chepeha, Antti Makitie



L to R: Drs. Danny Enepekides, Marc Cohen, David Goldstein, Xiao Zhao



L to R: Drs. Rajan Patel, Patrick Gullane, Dietmar Thurner, Marc Cohen



Drs. Dale Brown (left) and Mazin Merdad



Drs. John Yoo (left) and Jean-Pierre Jeannon



Drs. Tim Baker (left) and Raefe Gundelach

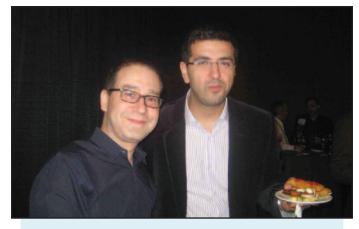
## September 23, 2014 - Hyatt Regency, Florida in conjunction with the 2014 Annual Meeting of the American Academy of Otolaryngology-Head and Neck Surgery



L to R: Drs. Sarah Hugh, Dupe Oyewumi, Edward Park, Tony Eskander, Mrs. Aline Grewal, Mrs. Jenny Wolter, Dr. Karim Nazarali



L to R: Drs. David Goldstein, Yvonne Chan, Roger Moukarbel



Drs. David Goldstein (left) and Tony Eskander

## February 7, 2015 In conjunction with Otolaryngology Update, Toronto



Drs. David Goldfarb (left) and Andres Gantous



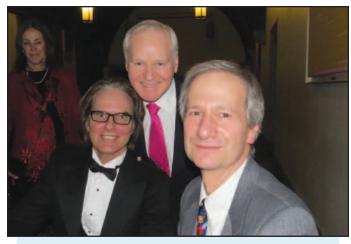
Drs. Sumeet Anand (left) and Allan Vescan



L to R: Drs. Sarfaraz Banglawala, Yvonne Chan and Vinay Fernandes



Drs. Eric Monteiro (left) and Aman Grewal



L to R: Drs. Oakley Smith, Peter Adamson, Robert Kassel



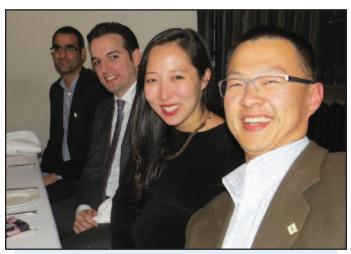
L to R: Drs. Brad Hubbard, Artur Gevorgyan, Brian Hynes



L to R: Heather Yearwood, Elizabeth Castillo, Dr. Guillermo Castillo



L to R: Drs. Raewyn Seaberg, Theresa Holler, Heather Osborn, Gavin le Nobel



Front to Back: Drs. Vincent Lin, Janet Chung, Adam Roach, Ohad Hilly



Dr. Oakley Smith



Dr. Jennifer Anderson



Essential Opera - the evening's entertainment



Drs. Yvonne Chan (left) and Heather Osborn



Drs. Andres Gantous (left) and Yvonne Chan



The graduates from 1989 were honoured that evening. L to R: Drs. Robert Kassel, Brian Hynes, Oakley Smith, Roman Chaban, Ian Witterick (Chair) and Frank Bravo. Not present: Drs. Jean Davidson and Stan Jacobs.

## June 6, 2015 – Winnipeg, Manitoba in conjunction with the 69<sup>th</sup> Annual Meeting of the Canadian Society of Otolaryngology-Head & Neck Surgery



Back Row: Drs. Elhamy Samak, Tony Eskander, Gordon Tsang, Gavin le Nobel. Front Row: Drs. Dupe Oyewumi, Eric Monteiro, Eric Arruda, Artur Gevorgyan



L to R: Drs. Raewyn Seaberg, Yvonne Chan and Rick Gall



L to R: Drs. Yvonne Chan, Shaun Kilty and Martin Desroisier



Dr. David Goldfarb



L to R: Drs. Tony Eskander, Patrick Gullane and Eric Monteiro



Drs. Patrick Gullane (left) and Jennifer Anderson



L to R: Dr. Tulika Shinghal and her husband Mr. Ajay Jain, with Drs. William Kaul and Sumeet Anand



L to R: Drs. lan Witterick, Yvonne Chan, Doron Sommer and Kristian Macdonald



Dr. Rick Gall and family



FACULTY

## **Faculty Members**

Newest appointments denoted with an asterisk (\*)

### **Professor and Chair**

I.J. Witterick, MD, MSc, FRCSC

## **Professores Emeriti**

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

B.D. Birt, MB, FRCSC, FRCS

T.D.R. Briant, MD, FRCSC

W.S. Crysdale, MD, FRCSC

W.S. Goodman, MD, FRCSC, FRCS (I) (Hon)

W.M. Hawke, MD, FRCSC

J.S. McGrail, MB, MSc, FRCSC

J.M. Nedzelski, MD, FRCSC

## **Professors**

S.M. Abel, PhD

P.A. Adamson, MD, FRCSC, FACS

D.H. Brown, MB, FRCSC

J.M. Chen, MD, FRCSC

D. Chepeha\*, MD, MScPH, FACS, FRCSC

D.A.F. Ellis, MD, FRCSC

V. Forte, MD, FRCSC

J.L. Freeman, MD, FRCSC, FACS

J. Friedberg, MD, FRCSC

R.W. Gilbert, MD, FRCSC

P.J. Gullane, CM, OOnt, MB, FRCSC, FACS, Hon-FRACS,

Hon-FRCS, Hon-FRCSI

J. Haight, BM, DPhil, FRCSC

R.V. Harrison, PhD, DSc

M.L. Hyde, PhD

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**

P. Campisi, MD, MSc, FRCSC, FAAP

J.S. Chapnik, MD, FRCSC

A. Chiodo, MD, FRCSC

K. Conrad, MD, FRCSC, FRCS

M.J. Davidson, MD, MSc, FRCSC

D. Enepekides, MD, FRCSC

R.S. Fenton, MB. FRCSC, FRCS

K. Gordon, PhD, CCC-A, Reg. CASLPO

K. Higgins, MD, MSc, FRCSC

A. James, MB, FRCSC, FRCS

A.J. Smitheringale, MB, MEd, FRCSC

## **Assistant Professors**

J. Anderson, MD, MSc, FRCSC

Y. Chan, MD, MSc, FRCSC, HBSc

K.Y. Chow, MB, FRCSC

S. Cushing, MD, MSc, FRCSC

A. Dabdoub, PhD

J. de Almeida, MD, MSc, FRCSC

R. Fox, MD, FRCSC

A.M. Gantous, MD, FRCSC

D. Goldfarb, MD, FRCSC

D. Goldstein, MD, MSc, FRCSC

J. Halik, MD, FRCSC

T. Holler\*, MD, MSc, FRCSC

R.L. Josephson, MD, PhD, FRCSC

J. Lee, MD, MSc, FRCSC

V. Lin, MD, FRCSC

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

O. Smith, MD, FRCSC

M. Zirkle, MD, MEd, FRCSC

## **Lecturers**

J. Adamonis, MCISc

A. Alexander, MD, BSc, FRCSC

S. Anand, MD, MSc, BArtsSc (Hon), FRCSC

J. Asaria, MD, BSc, FRCSC

J. Atlas, MD, BSc (Hon), FRCSC

S. Banglawala\*, BSc, MPH, MD, FRCSC

G. Beard, MD, FRCSC

G. Belchetz\*, BSc, MD, FRCSC

I. Bennett, MA

M.G. Brandt, BSc, MD, FRCSC

D. Brown, MD, FRCSC

R. Chaban, MD, FRCSC

N. Chauhan, MD, FRCSC

FACULTY MEMBERS 25

- J. Chung\*, MD, FRCSC
- A.J. da Silva, MB, FRCSC
- D. Dalgorf, MD, BSc (Hon), FRCSC
- T. Davids, MD, FRCSC
- S. Druker, MCISc
- C. Falls\*, BA Psychology, BHSc, MCISc
- D. Finkelstein, MD, FRCSC
- E. Gooden, MD, FRCSC
- G. Goulding, MCISc
- A. Grewal\*, MD, BHSc, FRCSC
- H.K. Guirgis, MB, CHB, FRCSC
- D. Hacker, MD, FRCSC
- B. Hassouneh, BSc, MD, FRCSC
- R. Hekkenberg, MD, FRCSC
- B. Hubbard\*, MD, BASc, FRCSC
- T. Kandasamy, MD, BSc, FRCSC
- A. Katyal, MD, FRCSC
- W. Kaul, MB, FRCSC
- J. Kolenda, MD, FRCSC
- M. Korman\*, BA, MD, FRCSC, DAB Oto
- A. Lee, MD, MSc, CCFP(EM), FRCSC
- R. Leung, BSc, MD, FRCSC
- B.T.M. Lui, BSc, MSc, MD, FRCSC
- L. MacDonald, MCISc
- B. Marcarian, MD, FRCSC
- J. Mendelsohn, MB, ChB, FRCSC
- R. Mounsey, MD, FRCSC, FACS
- D. Naiberg, MD, FRCSC, FACS
- K. Nazarali, MD, FRCSC, FACS
- A. Oh, MD, BSc, FRCSC
- X. Punthakee, BSc, MD, FRCSC
- R. Rival, MD, FRCSC
- N. Sanjeevan, MD, FRCSC
- R. Seaberg, HBSc, MD, PhD, FRCSC
- L. Segall, MD, MSc, FRCSC
- J. Shahin, MD, FRCSC
- K. Smilsky, MCISc
- P. Solomon, MD, FRCSC
- E. Thurier, MCISc
- V. Toran\*, MD, FRCSC
- C. Torgerson, MD, PhD, FRCSC
- A. Toth, MD, FRCSC
- A. Vescan, MD, FRCSC
- J. Werger, MD, FRCSC
- K. Williams, MD, MSc
- J. Witte, MA
- A. Wong\*, BSc, MD, FRCSC
- E. Wong, MCISc
- J. Wong, MD, FRCSC, OMC

### Instructor

## **Cross-Appointed Faculty 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, FRSHP, Dept of Family & Community Medicine
- R. Martino, MSc, MA, PhD, Speech Language Pathology
- B. Perez-Ordoñez, MD, FRCPC, Laboratory Medicine & Pathobiology
- S. Symons, BASc, MPH, MD, FRCPC, Medical Imaging
- G.P. Taylor, MD, FRCPC, Laboratory Medicine & Pathobiology
- 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
- J. Waldron, MD, FRCPC, Radiation Oncology

## Lecturers

- M. Armstrong, BSc Hon, MSc Aud(c), Reg CASLPO, Speech Language Pathology
- D. Parker, MSc, Speech Language Pathology
- P. Ranalli, MD, FRCPC, Medicine

## **Administrative Staff**

Audrea Martin, Business Officer

Sonia Valente, Chair's Assistant/Department Executive Assistant Sandra Kellogg, Postgraduate/Undergraduate Administrator Michael Figueiredo, Postgraduate/Undergraduate Administrator

## **Honours and Awards**

#### **CAMPISI. P**

2014 Honor Award, American Academy of Otolaryngology-Head & Neck Surgery, Orlando, Florida, United States.

#### CHAN, Y

2015 University of Toronto, Department of Surgery Award In Recognition of Outstanding Leadership in Medical Education.

#### CHEPEHA, D

**2014** League of Clinical Excellence, University of Michigan Health System, University of Michigan.

#### DAVIDSON, J

2015 MMMD Teacher of the Year, Dept of Otolaryngology - Head & Neck Surgery, Faculty of Medicine, Peters-Boyd Academy.

#### GILBERT, R

2015 Honorary Member, Italian Otolaryngology and Head & Neck Society (SIO).

#### GOULDING, G

Winner of 2014 hEARo Award (Cochlear Implant Online).

#### **GULLANE, P**

**2015** Order of Ontario, Government of Ontario.

#### HEKKENBERG, R

2015 Cancer Care Ontario Regional Surgical Oncology Lead for NSM LHI

#### IRISH, J

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

#### LIN, V

2015 Resident Advocate of the Year, Dept of Otolaryngology - Head & Neck Surgery, Faculty of Medicine.

Teacher of the Year, Dept of Otolaryngology - Head & Neck Surgery, Faculty of Medicine.

2014 Best Otology Poster, Triological Society, Miami, Florida, United States. Kuthubutheen J, Grewal A, Chen J, Nedzelski J, Symons S, Lin V.

#### RUTKA, J and team

The Hertz Multidisciplinary Neurotology Clinic at UHN/TGH, led by Dr. John Rutka, was selected as the recipient of the 2013-14 Award of Merit for an Outstanding Team that Role Models Interprofessional Collaboration for Patient-Centred Care to Learners through the University of Toronto's Centre for Interprofessional Education.

## Leadership Activities

#### ABEL. S

2000-present Member, Acoustics Subsection, Environmental Health Working Group, Multilateral Medical Operations Panel,

International Space Station.

2014-2015 Journal Manuscript Reviewer: Aerospace Medicine and Human Performance, Military Medicine, PLOS ONE, Noise

& Health (Editorial Board).

#### ADAMSON, P

2012-present Editorial Board, Modern Aesthetics Magazine.

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

2011-present Advisor, Facial Plastic Surgery Clinics Advisory Board.

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

1997-present Manuscript Reviewer, The Laryngoscope.

1995-present Manuscript Reviewer, Otolaryngology-Head & Neck Surgery 1994-present President and Founder, Face The Future™ Foundation. 1989-present Advisor, Canadian Academy of Facial Plastic Surgery.

1981-present Manuscript and Book Reviewer, Journal of Otolaryngology-Head & Neck Surgery

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

1986-present Facial Plastic Surgery Resident Liaison (Liaison of AAFPRS with the University of Toronto).

1987-present Director, Fellowship Program.

2002-present Member, Howard W. Smith M.D. Legacy Society.

2007-present Member, Ethics Committee.

2012-present Senior Advisor, Editorial Board JAMA Facial Plastic Surgery.

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

1989-present Board Examiner (2 day annual examinations).

1989-present Contributor of oral examination protocols.

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

2003-present Senior Advisor, Board of Directors.

2006-present Member, Audit Committee.

2006-present Member, Bylaws and Publications Committee.

2007-present Member, FPS Archives Advisory Council.

2009-present Member, Core Committee on Maintenance of Certification (MOC).

#### International Board for Certification in Facial Plastic and Reconstructive Surgery

2012-present President.

2013-present Presided over and examined at annual examinations of the European Board for Certification in Facial Plastic and

Reconstructive Surgery (EBCFPRS) and IBCFPRS in London, England.

#### **JAMA Facial Plastic Surgery**

2014-present Member, International Advisory Board.

2014-present Manuscript Reviewer.

## ANDERSON, J

2014-present Member, Quality and Safety Committee, Dept of Otolaryngology-Head & Neck Surgery, University of Toronto.

#### St. Michael's Hospital

2014-2015 2014-present	Operational Review Perioperative Services. Perioperative Services Operational Review Committee.
2009-present	Chair, Multidisciplinary Cancer Conference/Tumour Board Rounds.
2009-present	Mobility Management Committee.
2009-present	Internal Grant Reviewer, SMH Innovation Alternate Funding Plan Grants.
2008-present	Reviewer, Journal of Otolaryngology-Head & Neck Surgery.
2005-present	Member, Medical Advisory Committee.
2003-present	Executive Member, Alternate Funding Plan Management Executive Committee.
1995-present	Member, Perioperative Services Program Committee.

Member, Perioperative Services Advisory Group.

## **BRADLEY, G**

1994-present

2014-present	Editorial Board, Oral & Maxillofacial Pathology section, Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology.
2014-present	Academic Continuity Working Group, University of Toronto.
2012-present	Director, Oral Pathology & Oral Medicine graduate program, Faculty of Dentistry.
2010-present	Council of Health Sciences Education Subcommittee (CHSES) and the Working Group on Educational Technology,
	University of Toronto.
2007-present	Associate Dean, Biological and Diagnostic Sciences, Faculty of Dentistry.

## **BROWN, DH**

2010-present	Member, Editorial Board, Head & Neck.
2004-present	Member, Editorial Board, The Laryngoscope.
2003-present	Member, Editorial Board, European Archives of Otorhinolaryngology.
1998-present	Surgical Oncology Representative, PMH/TTH Systems & Health Records Integration Advisory Forum.
1994-present	Member, Editorial Board, British Medical Journal.
1993-present	Chair, Hospital Laser Committee, Toronto General Hospital.
1990-present	Consultant Otolaryngologist, Niagara ENT Consultants, Niagara Falls.
1990-present	Consultant Otolaryngologist, Sensenbrenner Hospital, Kapuskasing.
1989-present	Otolaryngology Representative, Operating Room Committee, Toronto General Hospital.

## CAMPISI, P

2012-present Associate Member, Rehabilitation Science (Graduate), University of Toronto.

#### **Triological Society**

2013-present	Eastern Section Liaison, Combined Sections Program Committee.
2013-present	Member, Fellowship Committee, Canadian Society of Otolaryngology-Head & Neck Surgery.
2012-present	Chair, Paediatric Otolaryngology Study Group, Canadian Society of Otolaryngology-Head & Neck Surgery.

## Royal College of Physicans and Surgeons of Canada

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

#### **Hospital for Sick Children**

2012-2014 President, Medical Staff Association.

LEADERSHIP ACTIVITIES 29

Member, Clinical Relations Committee, Faculty of Medicine, University of Toronto.
Member, Senior Management Committee.
Member, Board of Trustees.
Member, Medical Advisory Committee.
Clinical Director, Centre for Paediatric Voice and Laryngeal Function.

## **Manuscript Reviewer**

2010-present	Journal of Pediatric Hematology and Oncology.
2009-present	Pediatric Infectious Disease Journal.
2006-present	Archives of Otolaryngology-Head and 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

2009-present	Member, Canadian Society of Otolaryngology Rhinology Working Group.
2014-present	Member, American Rhinologic Society CME committee.
2015 Jun	Course Planning Committee Member, Current Concepts in Head & Neck Surgery.
2015 May	Course Director, University of Toronto Rhinology Update 2015.
2015 May	Course Planning Committee Member, Sleep Symposium for General Practitioners.
2015 Feb	Course Director. The 13th Annual Otolaryngology-Head & Neck Surgery Update.

#### CHEN, J

2012-present	Provincial Coordinator, Untario Cocniear Implant Program, Patient and Public Education, Ministry of Health &
	Toronto Central LIHN.
2012-present	Program Coordinator, Ontario Cochlear Implant Group (OCIG), Ontario, Canada.
2011-present	Fellowship Examination Board, Royal College of Physicians and Surgeons of Canada-examiner, Otolaryngology.
2007-present	Member, Medical Advisory Committee (MAC), Sunnybrook Health Sciences Centre.
2007-present	Member, Senior Medical Council, Sunnybrook Health Sciences Centre.
2007-present	Member, OR Management Committee, Sunnybrook Health Sciences Centre.
1994-present	Member, SHUTC Board of Directors, Sunnybrook Health Sciences Centre.
1993-present	Member, Ontario Cochlear Implantation Program.
1992-present	Member, Skull Base Tumor Board, Sunnybrook Health Sciences Centre.

#### CUSHING. S.

Coorniva, o	
2015-present	Manuscript Reviewer, Otolaryngology-Head and Neck Surgery.
2015-present	Manuscript Reviewer, Croatian Review of Rehabilitation Research.
2015-present	Manuscript Reviewer, European Archives of Oto-Rhino-Laryngology.
2014-present	Manuscript Reviewer, Pediatrics.
2014	Program Committee: 8th International Symposium on Objective Measures in Auditory Implants, Faculty of
	Medicine, Dept of Otolaryngology-Head & Neck Surgery.
2014	Course Director: 5th Annual Training Course for Healthcare Professionals on Vestibular and Balance Disorders in
	the Pediatric Population, Faculty of Medicine, Dept of Otolaryngology-Head & Neck Surgery.
2013-present	Manuscript Reviewer, The Laryngoscope.
2013-present	Manuscript Reviewer, Cochlear Implants International.
2013-present	Manuscript Reviewer, Ear and Hearing.
2012-present	Manuscript Reviewer, PLOS ONE.

2012-present Manuscript Reviewer, PLOS ONE.
2012-present Manuscript Reviewer, PLOS ONE.
2011-present Manuscript Reviewer, The Annals of Otology, Rhinology, and Laryngology.
Manuscript Reviewer, International Journal of Pediatric Otolarhinolaryngology.
Member, Editorial Board, Otology Neurotology.

DABDOUB, A
------------

2013-2014 2014	Initiator & Organizer, Learn@Lunch Seminar Series, Faculty Development, Sunnybrook Research Institute. Chair, Thesis Committee - Maddie Lynch, MSc. Candidate, Faculty of Medicine, Dept of Lab. Medicine &
2011	
	Pathobiology, Pathology, Graduate Education, Sunnybrook Research Institute.
2013-present	Organizer, Trainee Seminar Series, Graduate Education, Sunnybrook Research Institute.
2013-present	Member, International Committee, Association for Research in Otolaryngology.
2012-present	Research Director, Hearing Regeneration Initiative, Sunnybrook Health Sciences Centre.
2011-present	Consortium Member, Hearing Restoration Project, Hearing Health Foundation, New York, New York, United States

#### DAVIDS, T

2015-present Division Chief of Otolaryngology, Southlake Regional Healthcare Centre, Newmarket, ON.

Reviewer, Journal of Otolaryngology-Head & Neck Surgery. Reviewer, Annals of Otology, Rhinology, and Laryngology.

## DAVIDSON, J

2014-present	Health Information Management Committee, Women's College Hospital.
2011-present	Hand Hygiene Committee, Faculty of Medicine, Dept of Otolaryngology-Head & Neck Surgery, Faculty
	Development, Sunnybrook Health Sciences Centre.

2010-present Undergraduate Education Site Coordinator, Faculty of Medicine, Dept of Otolaryngology-Head & Neck Surgery,

Sunnybrook Health Sciences Centre.

#### DE ALMEIDA, J

2014-present	Manuscript Reviewer, Annals of Otology, Laryngology, Rhinology.
2014-present	Manuscript Reviewer, Cancer.
2013-present	Clinical Investigator, Guided Therapeutics, TECHNA institute.
2013-present	Research Council Member, North American Skull Base Society.
2012-present	Manuscript Reviewer, Head & Neck.
2009-present	Manuscript Reviewer, The Laryngoscope.

#### DRUKER, S

Member of Interprofessional Practice Rounds Committee, The Hospital for Sick Children.

Liaison between University of Western Ontario & The Hospital for Sick Children for coordination of audiology graduate student placements.

Liaison between Dalhousie University & The Hospital for Sick Children for coordination of audiology graduate student placements.

#### ELLIS, D

CPSO Peer Assessor — Out of Hospital Peer Assessor.

#### **ENEPEKIDES, D**

2014-present	Chief of Surgical Oncology, Regional Lead Surgical Oncology, Toronto Central North, Cancer Care Ontario, Surgical
	Oncology, Surgery, Odette Cancer Centre, Sunnybrook Health Sciences Centre.
2014-2015	Quality Management in Pathology Professional Practices Expert Panel, Cancer Care Ontario.
2014	Scientific Committee, 5th World Congress of the International Federation of Head and Neck Oncologic Societies.
2013-present	Regional Surgical Oncology Lead, Toronto Central North, Cancer Care Ontario.
2012-present	Head and Neck Disease Site Group Member, Cancer Care Ontario.
2012-present	Advanced Training Council - subcommittee on Robotic Surgery, American Head and Neck Society.

**LEADERSHIP ACTIVITIES** 31

2012-present 2011-present 2007-present 2002-present 2002-present 2002-present 2002-present	Operating Room Utilization Committee, Sunnybrook Health Sciences Centre. Member, Advanced Training Council Committee. Member, Laser Safety Committee, Sunnybrook Health Sciences Centre. Manuscript Reviewer, Head and Neck. Manuscript Reviewer, Otolaryngology-Head and Neck Surgery. Manuscript Reviewer, Archives of Otolaryngology Head and Neck Surgery. Manuscript Reviewer, The Laryngoscope.
FALLS, C	
2015-present	CASLPO Mentorship. Currently acting as CASLPO mentor for two audiologists

Currently acting as CASLPO mentor for two audiologists in initial practice period, UBC,

Dalhousie.

Member, Canadian Vestibular Best Practice Guidelines Committee (Canadian Academy of Audiology).

In charge of developing best practice vestibular assessment guidelines.

Co-editor (Tech Reviews); ENT & Audiology News.

FORTE, V	
2003-present	Manuscript Reviewer, Otolaryngology-Head and Neck Surgery.
2003-present	Manuscript Reviewer, Archives of Otolaryngology.
2003-present	Manuscript Reviewer, International Journal of Otolaryngology.
2003-present	Manuscript Reviewer, Journal of Otolaryngology-Head & Neck Surgery.
2003-present	Manuscript Reviewer, The Laryngoscope.
1080-nrecent	Coordinator Grand Rounds, Faculty of Medicine, Dept of Otolaryngology-Head & Neck Surgery University of

Coordinator, Grand Rounds, Faculty of Medicine, Dept of Otolaryngology-Head & Neck Surgery, University of 1989-present Toronto.

#### FOX, R

2015 Demonstrator, Resident Temporal Bone Teaching, Department of Otolaryngology-Head & Neck Surgery, University

2009-present OR Committee Member, St. Joseph's Health Centre.

2010-present Chief, Division of Otolaryngology-Head & Neck Surgery, St. Joseph's Health Centre.

#### FREEMAN, J

2009-present Special Reviewer, UICC Fellowships.

1992-present Member, Committee on Principles of Surgery Examination, Royal College of Physicians and Surgeons of Canada.

1990-present Member, Editorial Board, Surgery, Obstetrics and Gynaecology.

1989-present Member, Editorial Board, Head and Neck Surgery.

1989-present Member, Editorial Board, Operative Techniques in Otolaryngology-Head and Neck Surgery.

Consultant Otolaryngologist, Canadian Medical Protective Association. 1987-present 1983-present Consultant Otolaryngologist, Workers' Compensation Board of Ontario.

#### GILBERT, R

2009-present Member, Board of Trustees, UHN.

2008-present Chair, Cancer Program Quality Committee, UHN/PMH.

2005-present Co-Chair, Head and Neck Clinical Trials Group, National Cancer Institute of Canada.

2003-present Member, Planning Committee, Annual Wharton/Elia Day, with the Sullivan Lecturer, Faculty of Medicine, Dept of

Otolaryngology-Head & Neck Surgery.

Member, Management Council, Department of Surgical Oncology, UHN/PMH. 2001-present

2001-present Member, Cancer Committee, UHN/PMH.

2001-present Member, Head and Neck Site Group, UHN/PMH.

2007-present Head, Division of Head and Neck Surgery, Dept of Otolaryngology-Head & Neck Surgery, University of Toronto. 2007-present Member, Division of Facial Plastic and Reconstructive Surgery Committee.

1999-present Reviewer, Editorial Board, Head and Neck Surgery.

1991-present Member, Practice Guidelines Initiative, Provincial Head and Neck Cancer Disease Site Group, Cancer Care Ontario.

1989-present Reviewer, Journal of Otolaryngology-Head & Neck Surgery.

1988-present Consultant in Surgical Oncology, Toronto-Sunnybrook Regional Cancer Centre.

## **GOLDSTEIN, D**

2014-present 2014-present	Faculty Council, Faculty of Medicine, Dept of Otolaryngology-Head & Neck Surgery.  Departmental Research Committee, Faculty of Medicine, Dept of Otolaryngology-Head & Neck Surgery.
2014 present	Member, Thyroid Cancer Guidelines Expert Panel Working Group, Cancer Care Ontario, Program in Evidence
	Based Medicine.
2014-present	Manuscript Reviewer, Annals of Otology, Rhinology and Laryngology.
2013-present	Co-Surgical Lead, Endocrine Communities of Practice, Cancer Care Ontario.
2012-present	Manuscript Reviewer, Journal of Clinical Oncology.
2012-present	Manuscript Reviewer, Journal of Reconstructive Microsurgery.
2012-present	Manuscript Reviewer, Journal of Skin Cancer.
2012-present	Manuscript Reviewer, Journal of Surgical Oncology.
2012-present	Affiliated Researcher, Laboratory Medicine Program, Princess Margaret Cancer Centre, Faculty of Medicine,
	University of Toronto, Cancer Outcomes Medicine Biostatistics Informatics.
2011-present	Member, Microvascular Surgery Committee, American Academy of Otolaryngology.
2011-present	Board of Directors, Member of the Board, Melanoma Network of Canada.
2009-present	Member, Head & Neck Cancer Tissue Committee, UHN/PMH.
2009-present	Manuscript Reviewer, European Journal of Cancer.
2009-present	Manuscript Reviewer, World Journal of Surgery.
2008-present	Manuscript Reviewer, Archives of Otolaryngology-Head & Neck Surgery.
2007-present	Manuscript Reviewer, Canadian Medical Association Journal.
2007-present	Manuscript Reviewer, Head & Neck.
2006-present	Manuscript Reviewer, Journal of Otolaryngology-Head & Neck Surgery.
2006-present	Manuscript Reviewer, Otolaryngology Head & Neck Surgery.
1998-present	Member, Cancer Registry and Staging Committee, UHN/PMH.

## **GOULDING, G**

2015 Feb Kids2Hear Screening, Sprucecourt Public School.

### **GULLANE**, P

Associate Editor, Head and Neck.
Member, Editorial Board, Journal Auris Nasus Larynx, International Journal of ORL & HNS (Elsevier) – Japan.
Council Member, International Federation of Head and Neck Oncologic Societies.
Manuscript Reviewer, Lebanese Journal.
Member, Editorial Board, On Line Journal Head and Neck Surgery-Oncology.
Council Member, American Head and Neck Society.
Manuscript Reviewer, Journal of Vascular Surgery.
Member, Editorial Board, The Laryngoscope.
Senior Scientist, Cancer Informatics Division of OCI (Sub Committee of Research Council), Ontario Cancer Institute.
Member, International Advisory Board, The Saudi Journal of Oto-Rhino-Laryngology Head and Neck Surgery.
Wharton Chair, Head and Neck Surgery, Princess Margaret Cancer Centre.
Faculty Member, SIPac (Self-Instructional Packages), American Academy of Otolaryngology-Head & Neck Surgery.
Medical Assessor, Workers' Compensation Appeals Tribunal.
Member, Editorial Board, American Journal of Otolaryngology.

LEADERSHIP ACTIVITIES 33

1991-present	Manuscript Reviewer, Journal of Skull Base Surgery.
1991-present	Manuscript Reviewer, Les Annales d'Otolaryngologie et de Chirrurgie Cervico-Faciale (France).
1991-present	Member, Editorial Board, Journal of Skull Base Surgery.
1991-present	Member, Editorial Board, Les Annales d'Otolaryngologie et de Chirrurgie Cervico-Faciale (France).
1981-present	Manuscript Reviewer, Journal of Otolaryngology-Head & Neck Surgery.

## HARRISON, R

2014	University of Toronto, Academic Board, Elected Faculty of Medicine representative.
2014	Council of Canadian Academies (CCA), expert panel on Wind Turbine Noise and Human Health.
2014	Scientific steering committee, Ontario Health Study (OHS).
2014	Hospital for Sick Children, Toronto Department Anesthesia and Pain Medicine, external review committee.
2014	Dept. Ophthalmology and Vision Sciences Mira Godard Chair search committee.
2014-present	Hospital for Sick Children, Toronto: Neuroscience and Mental Health (NMH) Program advisory committee.

## HASSOUNEH, B

2015-present Co-supervisor. Summer Internship. Department of Otolaryngology-Head & Neck, University of Toronto. Gill H,

Department of Ophthalmology & Vision Sciences, University of Toronto.

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2014-2016 2014-2016 2014-2015 2014 2014 2013- 2014 2012-present 2012-present 2012-present 2012-present 2011-present 2011-present 2011-present 2010-present	Member of Microvascular Committee, American Academy of Otolaryngology-Head & Neck Surgery.  Member of Eastern Section Nominating Committee, Triologic Society.  Member, Nominating Committee, Eastern Section, Triological Society.  Member, CCO Thyroid Cancer Surgery QBP Advisory Committee, Cancer Care Ontario.  Member of Head and Neck Disease Site Group, Ontario, Cancer Care Ontario.  MDMSA Representative, Sunnybrook Foundation Board.  Affiliate Scientist, Evaluative Clinical Sciences, Odette Cancer Program, Sunnybrook Research Institute.  Member, American Head and Neck Society Scientific Review Committee.  Manuscript Reviewer, Craniomaxillofacial Trauma and Reconstruction.  Manuscript Reviewer, Clinical Otolaryngology.  Endocrine Site Group Leader, Odette Cancer Centre, Sunnybrook Health Sciences Centre, Endocrine Site Group.  Manuscript Reviewer, Otolaryngology-Head and Neck Surgery.  Manuscript Reviewer, Head & Neck.
	1
2008 present	Member, Division of Facial Plastic and Reconstructive Surgery.
2006-present	Manuscript Reviewer, The Laryngoscope.
2005-present	Manuscript Reviewer, Journal of Otolaryngology-Head & Neck Surgery.

## IRISH, J

2014-present	Member, Advisory Committee Robotic Assisted Minimally Invasive Surgeries, Health Quality Ontario.
2012-present	External Reviewer, Thomas Jefferson University Fellowship Program, American Head and Neck Society.
2011-present	Member, CME Measurement Task Force, American Head and Neck Society.
2011-present	Member, Council, American Head and Neck Society.
2001-present	Member, Research Council in Oncology, Ontario Cancer Institute.
2011-present	Core Lead - Guided Therapeutics, TECHNA Institute, UHN.
2010-present	Associate Editor, Head and Neck.
2010-present	Member, Editorial Board, Head and Neck.
2008-present	Manuscript Reviewer, Cancer.
2008-present	Provincial Head, Surgical Oncology, Cancer Care Ontario.
2008-present	Kevin and Sandra Sullivan Chair in Surgical Oncology, UHN/University of Toronto.
2005-present	Regional Head, Surgical Oncology Program, The Toronto Central Local Health Integration Network (LHIN).

2005-present 2005-present 2003-present 2003-present	Chair, Surgical Oncology Management Council, UHN. Expert Reviewer, Patient Education, Canadian Cancer Society. Staff Scientist, Clinical Studies Resource Unit, Ontario Cancer Institute. Manuscript Reviewer, The Laryngoscope.
2003-present 2002-present	Manuscript Reviewer, Otolaryngology-Head and Neck Surgery.  Manuscript Reviewer, Head and Neck.
2002-present	Manuscript Reviewer, Journal of Surgical Oncology.
2001-present	Director, Surgical Services, Princess Margaret Hospital.
2001-present	Chief, Department of Surgical Oncology, UHN/PMH.
2001-present	Chief, Surgical Oncology, Mount Sinai Hospital.
2001-present	Member, Cancer Program Executive Committee, UHN/PMH.
2001-present	Director, Surgical Services, UHN/PMH.
2001-present	Member, Surgical Programs Management Committee, UHN/TGH.
2001-present	Member, Surgical Services Executive Committee, UHN.
1999-present	Manuscript Reviewer, Archives of Otolaryngology-Head & Neck Surgery.
1996-present	Manuscript Reviewer, British Medical Journal.
1990-present	Manuscript Reviewer, Journal of Otolaryngology-Head & Neck Surgery.

#### **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	Member, 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.
2006-present	Member, Wait Times Leadership Committee.
2005-present	Chair, Toronto Central Surgical Oncology Council, Ontario.
2004-present	Lead, Access to Care and Strategic Funding Initiatives, Surgical Oncology Program.

## Ministry of Health and Long Term Care

2012-present	Member, Head and Neck Organizational Standards Implementation Steering Committee.
2009-present	Chair, Surgery and Diagnostic Imaging Council, Access to Care.
2005-present	Chair, Clinical Expert Panel-Cancer/Clinical Lead, Cancer Surgery.

## JAMES, A

Manuscript Reviewer, British Medical Journal.
Manuscript Reviewer, The Laryngoscope.
Member, National In Training Examination Committee, Faculty of Medicine, Dept of Otolaryngology-Head & Neck
Surgery.
Department of ORL-HNS Resource portfolio, The Hospital for Sick Children.
Member, Editorial Board, Cochlear Implants International.
Manuscript Reviewer, Cochlear Implants International.
Manuscript Reviewer, Otolaryngology-Head & Neck Surgery.
Manuscript Reviewer, Otology & Neurotology.
Member, Finance Committee, American Society of Pediatric Otolaryngology.
Manuscript Reviewer, Clinical Otolaryngology.
Editor, The Cochrane Library (Ear, Nose & Throat Disorders Group).
Manuscript Reviewer, International Journal of Pediatric Otorhinolaryngology.

**LEADERSHIP ACTIVITIES** 35

2007-present Project Investigator, Research Institute, The Hospital for Sick Children. 2006-2014 Member, Research Ethics Board, The Hospital for Sick Children. 2005-present Member, Annual HSC Otolaryngology-HNS fellow selection panel, Faculty of Medicine, Dept of Otolaryngology-

Head & Neck Surgery, The Hospital for Sick Children.

LEE, A

2015 Jul Lead Medical Physician for the Fencing Venue. Pan Am Games. Toronto. 2015 Jun Treasurer, Medical Staff Association. Mackenzie Richmond Hospital, Richmond Hill, Ontario. 2015 Mar Volunteer ear camp surgeon with IMPACT UK. Cambodia. Coordinator: Ms Sambo Tey.

2015 Apr Volunteer ear camp surgeon with Thai Rural ENT Foundation in Bhutan. Coordinator: Ms Wanwipa Rosjan.

2014 Volunteer ear camp surgeon with IMPACT UK. Cambodia. Coordinator: Ms Sambo Tey. 2013-present Pharmacy, Nutrition and Therapeutics Committee Member. Mackenzie Richmond Hospital.

LEE, J

2014-present Member of Advisory Board, F1000 Research.

Assistant Director of Undergraduate Medical Education, Department of Otolaryngology-Head & Neck Surgery, 2012-present

University of Toronto.

2012-present Associate Scientist, Keenan Research Centre of the Li Ka Shing Knowledge Institute, St. Michael's Hospital. 2012-present Undergraduate Site Director, Otolaryngology-Head & Neck Surgery, Fitzgerald Academy, St. Michael's Hospital.

2010-present Member, Rhinology Working Group, Canadian Society of Otolaryngology-Head & Neck Surgery.

Manuscript Reviewer, International Forum of Allergy and Rhinology. 2010-present Member of Editorial Board, American Journal of Rhinology and Allergy. 2011-present

2011-present Manuscript Reviewer, The Laryngoscope.

2009-present Manuscript Reviewer, American Journal of Rhinology and Allergy. 2009-present Manuscript Reviewer, Journal of Otolaryngology-Head & Neck Surgery.

2009-2010 Invited Reviewer, Clinical and Investigative Medicine.

2008-present Manuscript Reviewer, ORL, Journal for Oto-Rhino-Laryngology, Head & Neck Surgery.

#### **American Rhinologic Society**

2013-present Member, Scientific Awards Committee. 2010-present Member, Information Technology Committee. 2013-2014 Member, Scientific Program Committee.

#### LIN, V

2011-present Reviewer, Otolaryngology, F1000.

Judge, Poliquin Resident Research Competition, Canadian Society of Otolaryngology-Head & Neck Surgery. 2011-present

2009-present Council Member, Otology Working Group, Canadian Society of Otolaryngology-Head & Neck Surgery. 2011-present Clinical and Research Advisor, Audiology, ENT and Speech Working Group, Faculty of Medicine, Dept of

Otolaryngology - Head & Neck Surgery, Patient and Public Education, Ontario Health Study.

2013-present Sunnybrook Health Sciences Centre, Postgraduate Director, Faculty of Medicine, Dept of Otolaryngology - Head &

Neck Surgery, Postgraduate MD.

Research Advisor, Postgraduate Committee, Research Coordinator, Faculty of Medicine, Dept of Otolaryngology-2011-present

Head & Neck Surgery, Resident Research Supervisor/Coordinator.

Contributor, Otolaryngology-Head & Neck Surgery Annual Resident In-Service Examination, Faculty of Medicine, 2008-present

Dept of Otolaryngology-Head & Neck Surgery.

External Grant Reviewer, Medical Research Council. 2010-present

2008-present External Grant Reviewer, Canadian Institute of Health Sciences.

2014-present Manuscript Reviewer, Journal of Medical and Biomedical Engineering.

2012-present Manuscript Reviewer, Otolaryngology-Head & Neck Surgery. 2009-present Manuscript Reviewer, The American Journal of Case Reports.

2008-present Manuscript Reviewer, Journal of Otolaryngology-Head & Neck Surgery.

#### MACDONALD. L

2012-present Kids2Hear – Medical student supervision.

#### NGAN, B-Y

1999-present Site Representative, Pathology Discipline, Children's Oncology group, Cure Search. United States.

1999-present Member, Cancer Trial Support Unit, Pharmaceutical Branch, National Institute of Health, National Cancer Institute.

United States.

#### PAPAIOANNOU, V

2014-present Inquiries, Complaints, and Reports Committee, College of Audiologists and Speech Language Pathologists of

Ontario

2013-2014 Patient Relations Committee, College of Audiologists and Speech Language Pathologists of Ontario.

2013-present Chair - Finance Committee, College of Audiologists and Speech Language Pathologists of Ontario.

2010-present Canadian Association of Speech Language Pathologists and Audiologists (CASLPA) Awards Committee.

2009-present Audiology Practice Advisory Committee, College of Audiologists and Speech Language Pathologists of Ontario.

2003-present Advisory Committee, Georgian College Communicative Disorders Assistant Program.

2001-present Audiology Work Group – Infant Hearing Program (City of Toronto).

#### PAPSIN, B

2011-present Member, Board of Examiners, Undergraduate Medical Program, Committee, Faculty of Medicine.

2010-present How I do It (HIDI) Committee, The Triologic Society.

2010-present Member, Editorial Board, Journal of International Advanced Otology.

2010-present Reviewer, Journal of International Advanced Otology.

2009-present Grant Reviewer, Canadian Institutes of Health Research, Team Grant: Vision, Hearing and Communication

Disorders.

2008-present Associate Staff, Institute of Medical Science, University of Toronto.

2007-present Member, Pediatric Otolaryngology Education Committee, American Academy of Otolaryngology-Head & Neck

Suraerv

2006-present Chairman, Ad Hoc Publications Committee, American Society of Pediatric Otolaryngology.

2006-present Reviewer, Journal of Otology and Neurotology.

2006-present Reviewer, Archives of Otolaryngology-Head & Neck Surgery.

2004-present Chapter Liaison, Section on Otolaryngology-Head & Neck Surgery, The American Academy of Pediatrics.

2004-present Reviewer, BMC Ear, Nose and Throat Disorders.

2004-present Reviewer, International Journal of Pediatric Otorhinolaryngology.

2003-present Reviewer, American Academy of Otolaryngology-Head & Neck Surgery.

2003-present Reviewer, The Laryngoscope (Journal of the Triologic Society).

2003-present Cochlear Americas Chair in Auditory Development, The Hospital for Sick Children.

2000-present Reviewer, University of Toronto Medical Journal.

1998-present Associate Scientist, Research Institute, The Hospital for Sick Children.

1998-present Reviewer, The Journal of Otolaryngology-Head & Neck Surgery.

1997-present Director, Pediatric Cochlear Implant Program, The Hospital for Sick Children.

#### The Hospital for Sick Children

2013-present Otolaryngologist-in-Chief, The Hospital for Sick Children.
2006-present Otolaryngology Representative, Medical Staff Association.

2006-present Member, Surgical Research Committee.

2000-present Member, Credentials Committee.

LEADERSHIP ACTIVITIES 37

#### PARKER, D

2010-present Peer Assessor, CASLPO.

#### POTHIER, D

2008-present Honorary Lecturer, Department of Healthcare Informatics, School for Health, University of Bath, Bath, United

Kingdom.

2007-present Honorary Lecturer, Department of Hearing and Balance Studies, School for Applied Community and Health Studies,

University of Bristol, Bristol, United Kingdom.

2005-present Co-founder and Trustee, Signal Trust Charity, United Kingdom.

2011-present Member, Editorial Advisory Group, F1000.

2008-present Co-founder and Board Member, International Working Group on Endoscopic Ear Surgery.

2010-present Member, Committee for Global Health, Canadian Society of Otolaryngology-Head & Neck Surgery

2006-present Advisor and Domain Expert, Connecting for Health (National Programme for Information Technology – NPfIT),

National Health Service (UK).

2009-present Council Member, Otorhinolaryngological Research Society (UK).

2013-present Member, Research Committee, Department of Otolaryngology-Head and Neck Surgery.

2008-present Associate Editor, Clinical Otolaryngology.

2009-present Associate Editor – Communications, Clinical Otolaryngology.

2008-present Continuing Medical Education - section editor, Clinical Otolaryngology.

2013-present Member, Editorial Board, Advancements in Cellular and Molecular Otolaryngology.

2013-present Member, Editorial Board, Journal of Surgery.

2012-present Member, Editorial Board, Conference Papers in Medicine.

2008-present Member, Editorial Board, ENT News.

2007-present Member, Editorial Board, Clinical Otolaryngology.

2006-present Member, Editorial Board, The Otorhinolaryngologist.

2013-present Manuscript Reviewer, Brain.

2013-present Manuscript Reviewer, European Archives of Oto-Rhino-Laryngology and Head & Neck.

2013-present Manuscript Reviewer, Medical Science Monitor.

2013-present Manuscript Reviewer, The Annals of Otology, Rhinology, and Laryngology.

2011-present Manuscript Reviewer, Journal of Clinical Medicine and Research.

2010-present Manuscript Reviewer, African Health Sciences.

2009-present Manuscript Reviewer, Canadian Medical Association Journal.

2005-present Manuscript Reviewer, Annals of the Royal College of Surgeons of England.

2005-present Manuscript Reviewer, Health Informatics.

2003-present Manuscript Reviewer, British Medical Journal.

2006-present Columnist, Internet Reviews, ENT News.

2008-present Columnist, Software reviews, ENT News.

#### PROPST, E

2014-present Manuscript Reviewer, BMC Pediatrics.

2014-present Manuscript Reviewer, The Laryngoscope.

2013-present Member, Expert Committee For Development of Tonsillectomy Guidelines, ON.

2012-present Manuscript Reviewer, Sensors.

2006-present Manuscript Reviewer, International Journal of Pediatric Otorhinolaryngology.

2005-present Manuscript Reviewer, Canadian Medical Association Journal.

#### The Hospital for Sick Children

2014-present Coordinator, 1st International Paediatric Open Airway Surgery Course.

2014-present Coordinator, 5th International Paediatric Endoscopic Course.

2014-present Member, Pierre Robin Sequence Working Group.

2014-prese	nt Member, Decreasing Tracheotomy Stay Initiative.
2014	Reviewer, Summer Studentship Grants.
2013-prese	nt Undergraduate Education Site Director, Otolaryngology-Head & Neck Surgery.
2013-prese	nt Residency Education Site Director, Otolaryngology-Head & Neck Surgery.
2013-prese	nt Member, Multidisciplinary Tracheoesophageal Fistula (TEF) Clinic.
2013-prese	nt Medical Advisor, Parent Education Group, Hospital Improvement Taskforce. Ambulatory Design Committee.
2012-prese	nt Director, Flexible Endoscopic Evaluation of Swallowing (FEES) Clinic.
2012-prese	nt Fellowship Director, Otolaryngology-Head & Neck Surgery.
2012-prese	nt Director, Paediatric Otolaryngology Fellowship Director, Faculty of Medicine, Dept of Otolaryngology-Head & Neck
	Surgery.
2011-prese	nt Co-Director, Disorders Relating to the Airway and Mouth in Sleep (DREAMS) Clinic.
2010-prese	nt Member, Stem Cell Working Group, Ontario, Canada.

#### RUTKA, J

2006-present	Staff Consultant Otolaryngologist, Head Injury Program, St. Michael's Hospital.
1998-present	Editor, Kommunicom Press, Otitis Diagnostica.
1992-present	Editor, Canadian Journal of Diagnosis.
1990-present	Consultant Otolaryngologist, Workplace Safety & Insurance Appeals Tribunal (WSIAT of Ontario).
1987-present	Chief Otoneurologic Consultant, Workplace Safety and Insurance Board (WSIB) of Ontario.

#### SANDOR, N

2013-present	Member, Professional Development and Education Council, Mount Sinai Hospital.
•	
2013-present	Facilitator, Interprofessional Education Program, University of Toronto.
ZOTO prosont	r delinator, interpretessional Education r regram, entrereity of forente.
2012-present	Member, Mount Sinai Hospital Education Advisory Panel.
2012-p163611t	Member, Mount Sinai Hospital Education Advisory Lanet.
1000 procent	Clinical Education Co-ordinator, Mount Sinai Hospital, Otologic Function Unit.
1992-present	Gillical Education Go-ordinator, Mount Sinal Hospital, Otologic Function Onlt.

#### TORGERSON, C

2012-2015 CPSO Assessor: OHP and Otolaryngology.

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1200/111,71	
2014-present	Director of Undergraduate Medical Education, Otolaryngology - Head & Neck Surgery, Faculty of Medicine, University of Toronto.
2014-present	Co-Chair, Scientific Program Committee, North American Skull Base Society.
2013-present	Member, Membership Credentialing Committee, North American Skull Base Society.
2013-present	Member, Undergraduate Medical Education Committee, Canadian Society of Otolaryngology-Head & Neck Surgery.
2012 present	Manuscript Reviewer, Head & Neck.
2011-present	Member, Rhinology Working Group, Canadian Society of Otolaryngology-Head & Neck Surgery.
2009-present	Manuscript Reviewer, Allergy and Rhinology.
2008-present	Manuscript Reviewer, Journal of Otolaryngology-Head & Neck Surgery.
2008-present	Manuscript Reviewer, The Laryngoscope.
2007-present	Manuscript Reviewer, Skull Base.

#### WILLIAMS, K

Facilitator for	Sunnybrook's	Interprofessional	Collaboration	and Edu	ication Office.

2014-present Member: Med-El Vibrant Soundbridge Clinical Advisory Board.

#### WITTERICK, I

•	
2014-present	Member, Steering Committee, Third World Congress on Thyroid Cancer.
2014-2015	Member, Diagnostic Imaging Appropriateness (DI-APP) Project, CNS + Head and Neck Panel, MOHLTC.

LEADERSHIP ACTIVITIES 39

2010-present	Associate Editor, American Journal of Rhinology & Allergy.
2010-present	Editorial Board, Skull Base.
2009-present	Editorial Board, Ear, Nose, and Throat Journal.
2009-present	Associate Member, Institute of Medical Science, University of Toronto.
1998-present	Supervisor, Rhinology and Skull Base Surgery Fellowship.
1997-present	Associate Editor, Journal of Otolaryngology-Head & Neck Surgery.

#### North American Skull Base Society

2013-present	Member, Surgical Education Committee.
2013-present	Member, Vendor Relations Committee.
2013-present	Member, Executive Committee.
2013-2015	Chair, Finance and Audit Committee.
2013-2015	Treasurer.
2011-present	Member, Board of Directors.

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

2012-present	Member, Canadian Otolaryngology Academic Chairs (COACH) Committee.
2002-present	Member, Head & Neck Oncology Group.
2002-present	Member, Rhinology Group.
2010-2015	Member, Nominating/Long Range Planning Committee.
2010-2015	Member, CPD/CME Committee.
2010-2015	Ontario Representative, Canadian Society of Otolaryngology-HNS Council.

#### Royal College of Physicians and Surgeons of Canada

2010-present	Member, Accreditation Committee.
2014	Member, External Review of the Division of Plastic Surgery, Department of Surgery, Dalhousie University.

#### **Faculty of Medicine, University of Toronto**

2014-present	Co-Chair, Clinical Chairs Committee Working Group on Education Role Remuneration.
2012-present	Member, Clinical Relations Committee.
2012-present	Member, Clinical Chairs Committee.
2012-present	Member, All Chairs Committee.
2012-present	Member, Executive Committee, Institute of Medical Science.
2011-present	Ex-Officio Member, Faculty Council.
2011-present	Member, Executive Committee.
2011-present	Member, Striking Committee.
2011-present	Chair, Education Committee.
2008-present	Member, Steering Committee, Surgical Skills Centre.
2008-present	Member, Advisory Committee on Professionalism.

#### **Mount Sinai Hospital**

2012-present	Member, Medical Advisory Council.
2012-present	Otolaryngologist-in-Chief.
2008-present	Member, Oncology Accreditation Committee.

#### **Manuscript Reviewer**

2014-present	BMJ Case Reports.
2012-present	Journal of Surgical Oncology.
2011-present	Annals of Otology, Rhinology and Laryngology.

2011-present	Cancer.
2011-present	International Forum of Allergy & Rhinology.
2011-present	International Journal of Surgical Oncology.
2010-present	American Journal of Rhinology & Allergy.
2010-present	Skull Base

2010-present Skull Base. 2008-present Head & Neck.

2005-present Otolaryngology-Head & Neck Surgery.

2003-present The Laryngoscope.

1993-present Journal of Otolaryngology-Head & Neck Surgery.

#### ZIRKLE, M

2013-2015	Manuscript Reviewer, Otolaryngology-Head and Neck Surgery.
2013-2015	Manuscript Reviewer, Medical Education.
2013-2015	Manuscript Reviewer, The Laryngoscope.

#### St. Michael's Hospital

2010-present Committee Member, Member, Education Council, Faculty of Medicine.

2010-present Committee Member, Interprofessional Education, Faculty of Medicine, Dept of Otolaryngology - Head & Neck

Surgery.

2010-present Co-Chair, Chair, Student Experience Committee, Faculty of Medicine, Dept of Otolaryngology-Head & Neck

Surgery.

#### **Undergraduate Medical Education**

2014-2015 IPSTP working group, Faculty of Medicine.

#### **University of Toronto**

2013-present	Longitudinal Integrated Clerkship Working Group, Faculty of Medicine.
2010-present	Member, Undergraduate Medical Education, Executive Committee, Faculty of Medicine.
2010-present	Member, Undergraduate Medical Education, Curriculum Committee, Faculty of Medicine.
2010-present	Member, Undergraduate Medical Education, Academy Director Committee, Faculty of Medicine.
2010-present	Member, Undergraduate Medical Education, Clerkship Committee, Faculty of Medicine.
2010-present	Member Undergraduate Medical Education, PreClerkship Committee, Faculty of Medicine

# Research Grants and Contracts

(funding in Canadian dollars unless otherwise stated)

ABEL, S	
2012 Apr -2015 Mar	Abel, S.M. (Principal Investigator), Ho, G, Nakashima, A and Burrell, C. Strategies for mitigating communication challenges and hearing loss in high-level noise during military manoeuvres. Defence R&D Canada, Personnel Partner Group, Total Funding \$400,000.
ANDERSON, J	
2013 Oct - 2014 Dec	Principal Investigator. External Vibration Therapy in Singers and Muscle Tension Dysphonia: Randomized Trial. Alternate Funding Plan Innovation Grant St Michael's Hospital. AFP Innovation Fund. Collaborator(s): Mary Enid Haines Musc MA, Gwen Merrick MHSc SLP, Marta DeLuca MHSc SLP. \$10,700.
BRADLEY, G	
2015	Renewal of the Virtual Slide Program for Teaching of Histology, General Pathology and Oral Pathology. Co-applicants: D. Chugh, R. John, G. Bradley, J. Fiege. Faculty of Dentistry Enrichment Endowment Fund. \$15,175.00.
CAMPISI, P	
2014 - 2015	Co-Investigator. Seminar-Based Objective Evaluation of Otoscopy Skills amongst Undergraduate Medical Students. Toronto East General Hospital (TEGH). Educational Scholarship and Research Grant. Pl: A. Chiodo MD. Collaborator(s): D. Oyewumi MD, P. Campisi MD, V. Forte MD. \$5,000.
2014	Co-Investigator. Ophthalmoscopy Simulation (OphthoSim) for Training and Objective Evaluation of Fudoscopic Skills amongst Residents: An Open Randomized Control Trial. Mary Jo Haddad Innovation Fund (2014). Pl: A. Yeh, MD. Collaborator(s): E. Kouzmitcheva MD, P. Campisi MD, V. Forte MD, A. Atkinson MD, A. Ali MD (Co-investigators). \$8,500.
2012 - 2015	Co-Investigator. Randomized Controlled Trial of Voice Therapy on Children with Vocal Nodules. NIH/NIDCD. PI: C. Hartnick, MD. Collaborator(s): J. Kerschner, MD, P. Campisi, MD, R. Sataloff, MD. \$287,764.
CHEPEHA, D	
2011 Sep - 2016 Jul	Co-Investigator on sub-award. Integrative Epigenomic/Genomic Profiling and Biomarker Discovery in HPV+ and HPV- Head and Neck Cancer. National Institutes of Health (NIH) (USA). NCI. R01 CA158286. PI: Rozek/Sartor. \$307,268.
CUSHING, S	
2014 Mar - 2019 Mar	Co-Investigator. Tissue engineering of auricular cartilage implants for external ear reconstruction. Canadian Institutes of Health Research (CIHR). Pl: Waldman, Steve. \$339,992.
2012 Oct - 2017 Sep	Collaborator. Behavioural and neurophysiological effects of Transcranial Magnetic Stimulation in the Primate. Canadian Institutes of Health Research (CIHR). Pl: Corneil, Brian. Collaborator(s): Cushing,

Sharon. \$754,470.

DABDOUB, A	
2014 - 2015	Co-Principal Investigator. Expression of Wnt pathway molecules and potential to stimulate hair cell regeneration. Hearing Health Foundation (USA). Hearing Restoration Project. \$121,000 USD. Co-Principal Investigator: Dr. Albert Edge.
2013 - 2018	Principal Investigator. Development of sensory and neural cells in the mammalian cochlea. Canada Foundation for Innovation (CFI). Leaders Opportunity Fund. \$635,305.
2013 - 2014	Principal Investigator. Hair cell regeneration: focusing on Atoh1. Hearing Foundation of Canada (The). Operating. Collaborator(s): none. \$20,000.
2013 - 2014	Principal Investigator. Induction of cochlear neurons by defined transcription factors. Capita Foundation. Collaborator(s): None. \$4,000 USD.
2014 Jul - 2015 Jun	Principal Investigator. Basic research of hair cell development for hearing regeneration. Uehara Memorial Foundation. Research Fellowship. \$35,000.
2014 - 2015	Principal Investigator. Hair cell regeneration: focusing on Atoh1. Hearing Foundation of Canada (The). \$20,000.
DE ALMEIDA, J	
2014 Mar - 2015 Mar	Principal Investigator. "Search for the Unknown: A prospective trial of transoral robotic lingual tonsillectomy for the detection of the unknown primary SCC of the Head and Neck". Harry Barberian Scholarship Fund. Collaborator(s): Goldstein David, Yu Eugene. \$5,000.
2014 Mar - 2015 Mar	Principal Investigator. The Prognostic Significance of HPV in Carcinoma of Unknown Primary. The Harry Barberian Research Fund. Collaborator(s): Michael Au (Resident Principle Investigator) David Goldstein. \$5,000.
2014 Mar - 2015 Mar	Co-Investigator. Intraoperative 3-D Imaging for Head and Neck Cancer Surgery. MSH/UHN AMO Innovation Fund. Pl: Irish, Jonathan. Collaborator(s): David Jaffray, Michael Daly, Harley Chan, Robert Weersink, Nidal Muhanna, Ralph Gilbert, David Goldstein. \$105,585.
ENEPEKIDES, D	
2012 Nov - 2014 Nov	Co-Principal Investigator. Magnetic Resonance Guided High Intensity Focused Ultrasound for Head and Neck Cancer - A Pilot Study. Focused Ultrasound Foundation. Pl: Lee, Justin; Enepekides, Danny. \$75,000 USD.
GILBERT, R	
2014 Mar - 2015 Mar	Co-Investigator. Intra-operative 3D Imaging for Head and Neck Cancer Surgery. MSH-UHN AMO Innovation Fund. PI: Irish, Jonathan. Collaborator(s): David Jaffray, Michael Daly, Harley Chan, Robert Weersink, Nidal Muhanna, David Goldstein. \$105,585.
HASSOUNEH, B	
2015	Co-supervisor. Codeine Safety in Postoperative Children: Comprehensive systematic review and pharmacosurveillance study. Donated funds from Eye Face Institute, Toronto, Canada. Funding amount: \$3,000.

HIGGINS, K	
2014 Nov - 2015 Nov	Co-Principal Investigator. Defining a personalized hypoxic radiation target through correlation of functional F18-FAZA PET imaging to pimonidazole-stained 3D whole-mounted histological specimen. UT-DRO. Pl: Poon, Ian Dr. Collaborator(s): Kevin Higgins, Martin Yaffe, Aaron Ward, Danny Enepekides, Ilan Weinreb, Katherine Zukotynski. \$50,000.
2014 Jul - 2018 Jul	Co-Principal Investigator. Tissue engineering of auricular cartilage implants for external ear reconstruction. CIHR. Pl: Dr. S. Waldman. Collaborator(s): Dr. Cushing, Dr. M. Kunz, Prof. S. Pang and Dr. A. Winterborn. \$460,000.
2013 Jul - 2015 Jul	Co-Principal Investigator. The application of MR-guided HIFU for regionally recurrent unresectable head and neck carcinoma. FUS Foundation. PI: Dr. Justin Lee. Collaborator(s): Dr. Danny Enepekides and Dr. Kevin M. Higgins. \$75,000.
2012 Jul - 2018 Jun	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.
IRISH, J	
2014 Nov - 2015 Oct	Co-Principal Investigator. A novel PET agent for accurate and sensitive detection of tumors and lymph node metastases in head and neck cancer (HNC). PMH Foundation. 2013 Invest in Research Program. PI: Zheng, Gang. Collaborator(s): Jonathan Irish, Nidal Muhanna, Juan Chen, Harley Chan. \$100,000.
2014 Mar - 2019 Feb	Science Operating Room Extension (ScORE). Canada Foundation for Innovation. Leaders Opportunity Fund — Funding for research infrastructure. Pl: Jaffray, David. Collaborator(s): Dr. Jonathan Irish and Dr. Gang Zheng. \$1,997,099.
2014 Feb - 2015 Mar	Principal Investigator. Intraoperative 3D Imaging for Head & Neck Cancer Surgery. MSH-UHN AMO Innovation Fund. Collaborator(s): David Jaffray, Michael Daly, Harley Chan, Robert Weersink, Nidal Muhanna, David Goldstein, Ralph Gilbert. \$105,585.
2012 Apr - 2015 Mar	Co-Investigator. Understanding diagnostic episodes of care in patients with early vs late cancers. Canadian Institutes of Health Research (CIHR). Pl: Groome, Patti. Collaborator(s): Booth C, Gilbert J, Grunfeld E, Irish J, Langley H, Lofters A, Moineddin R, Porter G. \$413,622.
2012 Mar - 2015 Feb	Co-Investigator. A population-based outcome and economic evaluation of interventions for gastric cancer. Canadian Institutes of Health Research (CIHR). Pl: Coburn, Natalie. Collaborator(s): Jonathan C. Irish, Robin S. McLeod, Savtaj S. Brar, Matthew E. Dixon, Mark Dobrow, Craig C. Earle, Ana Johnson, Paul J. Karanicolas, Alexander J. Kiss, Murray D. Krahn, Calvin H. Law, Alyson L. Mahar, Lawrence F. Paszat, Frances C. Wright. \$371,784.
2011 Jul - 2015 Jun	Co-Investigator. A New Psychoeducational Intervention to Minimize Illness Intrusiveness in Head and Neck Cancer. Canadian Cancer Society Research Institute. Pl: Gerald Devins. Collaborator(s): J Ringash, R Martino, S Lebel (Co-investigators). \$242,421.
JAMES, A	
2010 - 2015	Co-Principal Investigator. Development and Ageing of Binaural Hearing. Canadian Institutes of Health Research - CIHR. Team Grant: Vision, Hearing and Communication Disorders. Pl: Harrison RV. Collaborator(s): Wang LY, Gordon K, James AL, Lin V, Friesen L. \$1,250,000.

LEE, J	
2014 May - present	Principal Investigator. Development of the Nasal Physiology Laboratory at St. Michael's Hospital. Harry Barberian Research Fund. \$3,500.
2014 May - present	Principal Investigator. Waiting for sinus surgery: A mixed methods study of psychological morbidity and determinants of health associated with long wait times for sinus surgery in chronic rhinosinusitis patients. Harry Barberian Research Fund. \$2,000.
2013 Jun - present	Principal Investigator. "Simulation and a training model for developing basic endoscopic sinus surgery skills in the novice resident trainee". St. Michael's Hospital Innovation Funds Grant. Collaborator(s): Dr. Gordon Tsang, Resident. \$9,875.
2011 Dec - present	Principal Investigator. "The Effect of Endoscopic Sinus Surgery on Nasal Nitric Oxide Levels in Patients with Chronic Rhinosinusitis". Physician Services Incorporated (PSI) Grant. Collaborator(s): Aman Grewal (Resident). \$10,650.
2014 Dec - present	Principal Investigator. Prospective Pilot Study of Floseal for the treatment of Anterior Epistaxis in patients with Hereditary Hemorrhagic Telangiectasia (HHT). Baxter Corporation. Collaborator(s): Kilty, S. \$32,000.
LIN, V	
2014 Jun - 2015 Jul	Principal Investigator. Characterization of the Effect of Cochlear Implantation on Vestibular Function in the Elderly Population and Determination of the Potential Protective Effects of Intraoperative Steroid Treatment. Department of Otolaryngology - Head & Neck Surgery. Harry Barberian Fund. \$3,800 CAD.
2014 Jun - 2015 Jul	Co-Investigator. Effect of Glucocorticoids on Vestibular System. Department of Otolaryngology - Head & Neck Surgery. Harry Barberian Fund. Pl: le Nobel, Gavin. \$5,000.
2013 Apr - 2015 Mar	Principal Investigator. Validating the Montreal Cognitive Assessment Modified for the Hearing Impaired (MoCA). Med-EL Austria. \$55,000.
2012 Jan - 2014 Dec	Co-Principal Investigator. Age-Related Changes in the Effects of Stimulation Rates on Cortical Processing and Speech Recognition in CI Listeners. Med-EL Austria. Collaborator(s): Lendra Friesen. 100,000 EUR.
2011 Apr - 2015 Apr	Principal Investigator. Extended use of Pre-Operative Steroid Administration in the Guinea Pig Model: Pilot Studies. Med-EL Austria. \$319,900.
2010 Jul - 2015 Jun	Co-Principal Investigator. Team Grant on Ageing & Hearing and Vision Sciences. Canadian Institutes of Health Research (CIHR). \$1,250,000.
PAPSIN, B	
2013 - 2018	Restoring binaural hearing to children who are deaf. Canadian Institutes of Health Research (CIHR). #MOP-130420. Pl: Gordon, KA. Collaborator(s): Papsin, BC. \$623,602.
2014 - 2017	Cochlear Americas Corporation Gift. Collaborator(s): Papsin BC. \$300,000. Non Peer-Reviewed.
2013 - 2018	#MOP-130420. Pl: Gordon KA. Collaborator(s): Papsin BC. \$623,602. Non Peer-Reviewed.

PROPST, E	
2014 Oct - present	Principal Investigator. Olympus Corporation of the Americas Grant 14G1329. Olympus Corporation of the Americas. \$7,000.
2014 Jun - present	Principal Investigator. Tracheal transplantation in a porcine model (tracheal stenosis - tissue engineering). Harry Barberian Scholarship Fund. Harry Barberian Scholarship Fund. \$5,000.
2014 Jun - 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(s): Forte, Vito. \$9,500.
2012 Jan - present	Principal Investigator. Analysis of laryngotracheal vasculature after injury and airway reconstruction using corrosion casting in an animal model. Hospital for Sick Children Perioperative Services. Perioperative Services Innovation Grant. Collaborator(s): Forte V; Campisi P; Harrison RV; Kus L (Resident). \$10,000.
2012 Jan - 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. Collaborator(s): Carillo B, Forte V. \$10,000.



# RESIDENTS & FELLOWS

## **Residents & Fellows**

#### PGY 1

Yael Bensoussan Peter Dixon Weibo Hao Yelda Jozaghi Patrick Scheffler

#### PGY 2

Michael Awad Stephen Chen Andrew Ma Jason Xu Christopher Yao Jonathan Yip

#### PGY 3

Michael Au Gian-Marco Busato Gavin le Nobel Gordon Tsang

#### PGY 4

Antoine (Tony) Eskander Sarah Hugh Kayvan Nateghifard Heather Osborn Modupe (Dupe) Oyewumi Edward Park Jenny Wang Nik Wolter Xiao Zhao

#### PGY 5

Vinay Fernandes Lukas Kus



#### Department of Otolaryngology - Head & Neck Surgery Residents 2014-2015

Front Row: Heather Osborn-PGY4, Dupe Oyewumi-PGY4, Dr. Paolo Campisi, Visiting Professor Dr. Bradley Welling, Dr. Ian Witterick, Sarah Hugh-PGY4, Yelda Jozaghi-PGY1

Centre Row: Nikolaus Wolter-PGY4, Kayvan Nateghifard-PGY4, Jonathan Yip-PGY2, Andrew Ma-PGY2, Edward Park-PGY4, Grodon Tsang-PGY3

Back Row: Michael Au-PGY3, Gian-Marco Busato-PGY3, Lukas Kus-PGY5, Xiao Zhao-PGY4, Vinay Fernandes-PGY5, Jason Xu-PGY2, Stephen Chen-PGY2

Missing Residents: Yael Bensoussan-PGY1, Peter Dixon-PGY1, Weibo Hao-PGY1, Patrick Scheffler-PGY1, Michael Awad-PGY2, Christopher Yao-PGY2, Gavin le Nobel-PGY3, Antoine Eskander-PGY4, Jenny Wang-PGY4

RESIDENTS AND FELLOWS 49

### Fellows and Fellowships

#### **Head and Neck Oncology**

Eric Arruda Andrew Foreman
Jonathan Bernstein Gilad Horowitz
Jon Chan Nidal Muhanna
Lukasz Czerwonka Daniel Rocke

Mentors

University Health Network Drs. Jonathan Irish, Ralph Gilbert, Patrick Gullane, Dale Brown, David Goldstein

Mount Sinai Hospital Dr. Jeremy Freeman

Sunnybrook Health Sciences Centre Drs. Danny Enepekides, Kevin Higgins

#### **Facial Plastic Surgery**

Elaheh Akbari Alipasha Rassouli Susan Tan

Mentors: Drs. David Ellis, Peter Adamson, Kris Conrad

#### **Paediatric**

William Parkes Shazia Peer

Mentors: Drs. Paolo Campisi, Sharon Cushing, Vito Forte, Adrian James, Blake Papsin and Evan Propst, Hospital for Sick Children

#### Rhinology, Skull Base and Head & Neck Oncology

Yazeed Alghonaim

Eric Monteiro

Elhamy Samak (Research)

Mentors: Drs. Ian Witterick and Allan Vescan, Mount Sinai Hospital

#### **Otology Skull Base Surgery**

Ohad Hilly Euna Hwang

Mentors: Drs. Joseph Chen, Vincent Lin and Julian Nedzelski, Sunnybrook Health Sciences Centre

#### Medical & Surgical Otology/Neurotology

Hossain Hadi Catherine Smyth
Ophir Ilan Iqbal Syed
Jihad Nassar Carolina Wuesthoff

Mentors: Drs. John Rutka, David Pothier and Jerry Halik, University Health Network and Markham Stouffville Hospital

#### Laryngology

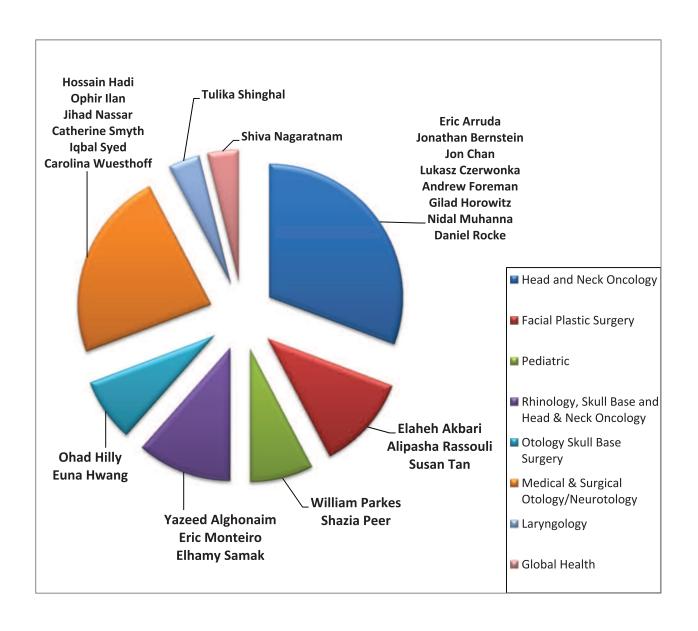
Tulika Shinghal

Mentor: Dr. Jennifer Anderson, St. Michael's Hospital

#### **Global Health**

Shiva Nagaratnam (Research)

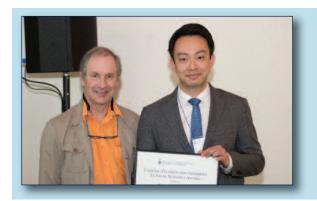
Mentor: Dr. Arnold Noyek



# DEPARTMENTAL AWARDS PROGRAM

## Departmental Awards Program

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



Dr. Xiao Zhao received the Chapnik, Freeman and Friedberg Clinician Scientist Program Award - Awarded to a resident/fellow or junior faculty in the Department of Otolaryngology-Head & Neck Surgery enrolled in a Master of Science, Master's of Health Science or Master's in Education or PhD degree at the University of Toronto.



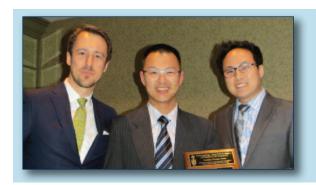
**Dr. Vinay Fernandes (PGY5) received the Freda Noyek Otolaryngology Merit Award** - In recognition of special commitment to patient care and academic achievement.



Dr. Peter Dixon (PGY1) received the Judy Chauvin Otolaryngology Resident Award — In recognition of an enthusiastic interest in the initiation of a serious otolaryngology-related research project.



**Dr. Elaheh Akbari received the Kris Conrad Merit Award in Facial Plastic Surgery** - For demonstrating outstanding skills in facial plastic surgery.



**Dr. Vincent Lin received the Resident Advocacy Award** – In recognition of dedication to improving the residency program through support and mentorship.



**Dr. Michael Au (PGY3) received The Shiley E.O. Pelausa Award** - For demonstration of excellent clinical work by a PGY3.



**Dr. Sarah Hugh (PGY4) received The Wharton Head and Neck Research Award** - For best paper in head and neck clinical or basic science research.



Dr. Vincent Lin 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.



Drs. Vinay Fernandes and Lukas Kus both 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.



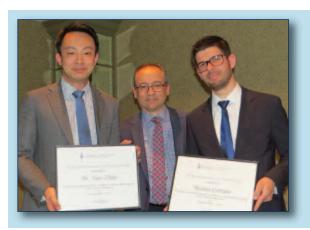
**Dr. Andrew Foreman received the Fellow Teacher of the Year Award -** Awarded to a fellow who is judged to have been an outstanding teacher to residents and medical students during their fellowship.



**Dr. Vito Forte 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. Jeremy Freeman 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. Xiao Zhao 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.

and

Mr. Mattia Carraro 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.

#### 2014-15 Harry Barberian Scholarship Awards

#### Yael Bensoussan (PGY1)

"Web/Smartphone App to Improve Perioperative Experience"

(Supervisors: Drs. Allan Vescan & Ian Witterick)

#### Mattia Carraro (Graduate Student)

"Olivo Cochlear Efferents and Sound Localization" (Supervisor: Dr. Robert V. Harrison)

#### Guodong Fu (Graduate Student)

"MicroRNAs and Oral Dysplasia" (Supervisors: Drs. Ranju Ralhan & Paul Walfish)

#### Ruishuang Geng (Graduate Student)

"Hair Cell Regeneration in the Vestibular System Using Wnt/notch Pathways" (Supervisors: Drs. Alain Dabdoub & Vincent Lin)

#### Gilad Horowitz (Clinical Fellow, HNS Oncology)

"Biological Marker for Matted Nodes" (Supervisor: Dr. Douglas Chepeha)

#### Ophir Ilan (Clinical Fellow, Otology/Neurotology)

"Recording Human Vestibular Evoked Potentials" (Supervisor: Dr. John Rutka)

#### Andrew Ma (PGY2)

"Radiolucent Mouth Retractor" (Supervisor: Dr. John de Almeida)

#### Kayvan Nateghifard (PGY4)

"Microlaryngoscopy Simulator" (Supervisor: Dr. Jennifer Anderson)

#### Teppei Noda (Graduate Student)

"Reprogramming of Spiral Ganglion Cells into Neurons"

(Supervisor: Dr. Alain Dabdoub)

#### William Parkes (Clinical Fellow, Pediatric Otolaryngology)

"Stimulation of Vestibular System by Cochlear Implants"

(Supervisors: Drs. Karen Gordon & Blake Papsin)

#### Jenny Wang (PGY4)

"Expression of Chromatin Proteins in Primary OSCC Tumors"

(Supervisors: Drs. David Goldstein & Geoffrey Liu)

#### Christopher Yao (PGY2)

"Harnessing Vacuum Technology in Otolaryngology" (Supervisor: Dr. Vito Forte)

#### Jonathan Yip (PGY3)

"Nitric Oxide Levels in ESS Patients" (Supervisor: Dr. John Lee)

#### Xiao Zhao (Graduate Student)

"Adipose Derived Stromal Cells and Reversal of Radiation Fibrosis"

(Supervisor: Dr. Fei-Fei Liu)





# Percy Ireland Academic Day

### 24th Annual Percy Ireland Academic Day

#### FRIDAY MAY 8, 2015 UNIVERSITY OF TORONTO'S HART HOUSE, MUSIC ROOM

The Department of Otolaryngology-Head & Neck Surgery held its 24<sup>th</sup> Annual Percy Ireland Academic Day on **May 8, 2015** at the University of Toronto's Hart House.



Visiting Professor **Dr. Bradley Welling,** Walter Augustus LeCompte Professor and Chair of Otology and Laryngology, Harvard Medical School delivered **The Percy Ireland Oration** titled: "Decision Making in the Management of Vestibular Schwannomas: What's New in 2015?".



**Dr. Ronal Fenton** was our **Guest of Honour** 





Exhibit Hall

Hart House, Music Room

#### **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 Mattia Carraro for his project:

"Vascular Damage to the Cochlea after CMV Infection"



Category 2 - Work undertaken by PGY 2 Residents during clinical rotation:

Awarded to **Stephen Chen** for his project: "Investigating Hearing Loss and Alzheimer's Disease in Mouse Models"



#### Category 3 - Work undertaken by PGY 3 Residents during clinical rotation:

Awarded to **Michael Au** for his project:

"Endoscopic Nasopharyngectomy: An anatomic cadaver study"



#### Category 4 - Work undertaken by PGY 4 Residents during clinical rotation:

Awarded to **Heather Osborn** for her project:

"Non-Sedated Auditory Brainstem Response Testing as an Early Indicator of Spontaneous Recovery in Auditory Neuropathy Spectrum Disorder"



#### Category 5 - Work undertaken by Post-Residency Clinical Fellows:

Awarded to **Ophir Ilan** for his project:

"Olfactory and Cochleovestibular Dysfunction After Head Injury in the Workplace"



#### **Best Overall Presented Paper:**

Awarded to **Xiao Zhao** for his project:

"The Role of Adipose Derived Stromal Cells for Reversal of Radiation Fibrosis"

# Annual Percy Ireland Dinner

#### Thursday May 7, 2015



Dr. Julian Nedzelski and wife Joanne



Drs. Robert V. Harrison (left) and Peter Lewis



Drs. Oakley Smith (left) and Wilfred Goodman



Drs. Julian Nedzelski (left) and Visiting Professor Bradley Welling



Dr. Wilfred Goodman (right) with his son



Drs. Julian Nedzelski (left) and Visiting Professor Bradley Welling



Dr. lan Witterick



Gaye Quan (spouse of the late Dr. Joseph Wong)



Drs. lan Witterick (left) and Visiting Professor Bradley Welling



Drs. Lukas Kus (on guitar) and Vinay Fernandes



Dr. Anne Birt (left) and Dr. Derek Birt



L to R: Mrs. Stacey Monteiro, Drs. Jolie Ringash, Eric Monteiro, Glen Bandiera



Ms. Sandra Kellogg (left) and Mrs. Susan Campisi



Drs. Elhamy Samak (left) and lan Witterick



L to R: Dr. Jamil Asaria, Mr. Ajay Jain, Drs. Tulika Shinghal, Euna Hwang and Sumeet Anand



L to R: Drs. Patrick Scheffler, John Lee and Jonathan Yip



L to R: Drs. Artur Gevorgyan, Eric Arruda, Oakley Smith, Mrs. Maria Arruda



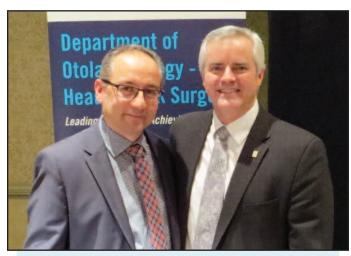
L to R: Drs. Patrick Gullane, Alma Smitheringale, Mrs. Marilena Rutka, Drs. John Rutka and Vito Forte



Dr. lan Witterick (left) and Ms. Gaye Quan



Drs. Ron Fenton (left) and lan Witterick



Drs. Paolo Campisi (left) and lan Witterick



Stacey and Eric Monteiro



L to R: Drs. Eric Arruda, Patrick Gullane and Artur Gevorgyan



Dr. Nik Wolter (left) holding Xavier Richard Rusty Sloan (Sharon's newborn) with Dr. Sharon Cushing



# DEPARTMENTAL COMMITTEES AND MEMBERSHIP

## Departmental Committees and Membership

#### **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, Allan Vescan



2014 Executive Committee Reception held on December 2, 2014 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, Jean Davidson, Thileep Kandasamy, John Lee, Raewyn Seaberg, Jack Shahin, Al Vescan, Jeff Werger; Student Representatives: Joel Davies, Terence Fu, Anna Goulding, Joon-II (Daniel) Lee, Jonathan Yip; Resident Representative: Vinay Fernandes

#### Residency Program Committee (formerly PGME)

Chair: Paolo Campisi

Members: John de Almeida, Jeremy Freeman, Bradley Hubbard, John Lee, Vincent Lin, Yael Bensoussan (PGY1), Gian-Marco Busato (PGY3), Lukas Kus (Chief Resident), Kayvan Nateghifard (PGY4), Jason Xu (PGY2), Alipasha Rassouli (Fellow representative)

#### **Continuing Professional Development (CPD)**

Chair:Yvonne Chan

Members: Paolo Campisi, Allan Vescan, Ian Witterick

#### Research

Chair: Robert V. Harrison

Members: Alain Dabdoub, Doug Chepeha, David Goldstein, Karen Gordon, John Lee, Vincent Lin, David Pothier, Evan Propst, Al Vescan; Paolo Campisi,

Ian Witterick [ex-officio]

#### **Audiology**

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

#### **Department Appointment 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

#### **Departmental Promotions**

Chair: Robert V. Harrison Members: Peter Adamson, Joseph Chen, Ralph Gilbert, Jonathan Irish, Blake Papsin, Ian Witterick

#### **Budget Advisory**

Chair: Ian Witterick Members: Jennifer Anderson, Joseph Chen, Jeremy Freeman, 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, Roman Chaban, Nitin Chauhan, Al Chiodo, K-Y Chow, Janet Chung, Kris Conrad, Joseph da Silva, Dustin Dalgorf, Taryn Davids, William El Masri, David Ellis, David Finkelstein, Rick Fox, Andres Gantous, David Goldfarb, Everton Gooden, Aman Grewal, Hany Guirgis, 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, David Naiberg, Karim Nazarali, Raymond Ng, Alfred Oh, Xerxes Punthakee, Richard Rival, Nadarajah Sanjeevan, Raewyn Seaberg, Lorne Segall, Manish Shah, Jack Shahin, Oakley Smith, Alma Smitheringale, Philip Solomon, Victor Toran, Cory Torgerson, Adam Toth, 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, Ian Witterick



# DEPARTMENTAL COMMITTEE REPORTS



#### Dr. I. Witterick (Chair)

The departmental Executive Committee is the senior advisory body to the Chair. The committee includes the hospital chiefs, the directors of undergraduate medical education, postgraduate medical education, continuing professional development, research and the chairs of committees in our department (Audiology, Advancement, Departmental Appointments Committee and Promotions). The head of our two divisions (Head and Neck Oncology and Facial Plastic and Reconstructive Surgery) 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.

In an effort to get to know different hospitals better, the Executive Committee continued their tour of the different teaching hospitals as part of their monthly meetings. This was a great opportunity to see the clinics, operating rooms and the various hospital departments.

A regular item on the agenda is the Strategic Academic Plan which is on track. I am grateful to all members of the committee for their time, energy and input into the functioning of our department.



The Three Tenors







#### Dr. Allan Vescan (Chair)

The first significant event in Undergraduate Medical Education (UME) in the 2014-15 academic year was the Canadian Conference in Undergraduate Medical Education in Otolaryngology-Head & Neck Surgery that took place at McGill University in October. This event hosted the undergraduate leaders in our specialty from across the country. The morning session featured a lecture series showcasing the leading minds in UME. The afternoon session involved breakout small group sessions covering various topics in UME as it pertains to our specialty. Many initiatives were agreed upon including a national exam bank, national UME educational objectives and development of a simulation curriculum focused on UME.

In January 2015, we participated in the second year of the Art and Science of Medicine Year I (ASCM I) course. We had 13 faculty members lead small group teaching sessions in a novel "Co-teaching" environment with ASCM 1 tutors. All 260 students of the 1<sup>st</sup> year medical school class were being taught by our faculty on one busy morning.

#### **Pre-Clerkship Courses**

Dr. Brad Hubbard took over the Preclerkship Curriculum as Assistant UME director and led the department in the delivery of the ASCM1, MMMD, PBL and Longitudinal Elective courses. Our department was able to deliver the second year curriculum through the ASCM II course and MMMD course. Drs. Hubbard, Lee and I were able to provide the core lectures in our specialty in the MMMD course. During the MMMD course, an otoscopy simulation session using the OtoSim<sup>TM</sup> was again successfully delivered. Dr. Hubbard taught the highly attended and successful OtoSim<sup>TM</sup> class.

We successfully hosted an Otosim<sup>TM</sup> Session for the 1<sup>st</sup> year class that was very positively received in conjunction with the ASCM I course in January 2015.





Our department continued to offer a longitudinal experience in our specialty to first and second year medical students.

#### **Post-Clerkship Courses**

With the guidance of our Assistant UME Director, Dr. John Lee, our department was able to successfully engage in the Transition to Residency Program offering more positions for fourth year students. Dr. Lee also lectured in the Fusion course, which prepares fourth year students to write the Medical Council of Canada Qualifying Examination. Moreover, Dr. Lee represented our department in the Portfolio Course.

Over the years, Drs. Davidson, Smitheringale and Zirkle have been faculty leads in the Problem Based Learning Course.

#### Clerkship

Our changes in the delivery of the clerkship experience with half of the students rotating through community OHNS practices has been very successful. We are seeing the highest course evaluation and Teacher Effectiveness scores in recent history. This is due to the outstanding efforts of our UME teachers in our community sites and our downtown sites, where improved teacher to student ratio has had a very positive impact.

The 1<sup>st</sup> year of the Longitudinal Integrated Clerkship program at SMH was successful and early feedback has been very positive. Seven students successfully completed this new clerkship rotation at SMH. It

will be expanding to 24 students at the Peters-Boyd and Wightman-Berris Academies in the upcoming year.

#### **Future Direction**

The pre-clerkship curriculum is being radically overhauled for the rollout in the fall of 2016. We are actively involved in maintaining our footprint in the new curriculum and ensuring that future medical students will continue to receive the exposure to OHNS that is unmatched in Canadian UME. Stay tuned for the details of the new "Foundations Curriculum".



## Residency Program Committee

#### Dr. Paolo Campisi (Chair)

The 2014-2015 academic year has been another exciting year for Postgraduate Medical Education (PGME) with the introduction of several new initiatives, outstanding contributions from our Residents, Fellows and Faculty and a long list of teaching and research awards. This PGME report represents a brief overview of these contributions and achievements.

The Residency Program Committee (RPC) is a key component of the Postgraduate Program. The RPC meets monthly to discuss and monitor the educational program, develop and implement new initiatives, and engage our learners to play an active role in the management of the program.

Congratulations and a sincere thank you to all the members of the RPC for their invaluable contributions.

#### Residents

There were 25 residents and 24 clinical/research fellows enrolled in Postgraduate training programs within our department. Dr. Lukas Kus served as Chief Resident, representing his co-residents in an exemplary fashion. Dr. Kus completed his term on April 30, 2015 and Dr. Edward Park was elected the incoming Chief Resident. Congratulations Ed and Lukas.

The graduating group of residents successfully passed

the Royal College Examinations in Otolaryngology-Head & Neck Surgery held in Ottawa on June 23rd, 2015. Congratulations to Drs. Lukas Kus and Vinay Fernandes. Vinay has initiated a Head and Neck Surgical Oncology Fellowship at Stanford University. Lukas is pursuing a community-based practice.



Drs. Lukas Kus (left) and Vinay Fernandes

#### **Resident Selection**

The CaRMS selection process, held on January 30, 2015, included traditional interviews, multiple-mini interviews (MMI) and a surgical skills station. The

Selection Committee consisted of residents and faculty that participated in the interview process. The traditional interviews were administered by Drs. Ian Witterick, Paolo Campisi, Lukas Kus, Heather Osborn, Gavin le Nobel, and Dupe Oyewumi. The MMI's were administered by Drs. Sharon Cushing, Al Chiodo, Vincent Lin and Dale Brown. The surgical skills station was prepared and administered by Drs. Vito Forte and Gian–Marco Busato.

The department successfully matched all available positions to Canadian medical graduates. The department was delighted to welcome Joel Davies from the University of Toronto, Mirko Kolarski from the University of British Columbia, Frédérick Laliberté from McGill University, Sunita Rai from McMaster University and Josie Xu from Queen's University.

#### **Residency Curriculum**

The Residency Core Curriculum is provided over a 3-year cycle to residents in the PGY 2-4 years. In the 2014-2015 academic year, the core topics covered were Otology and Neurotology and Rhinology and Skull Base Surgery. Drs. John Rutka, John Lee and Allan Vescan served as leads for the series of lectures provided. The PGY1 residents attended weekly "Foundations of Surgery" lectures and a "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 3-5 years are required to participate in the yearly National In-Training Examination (NITE). Dr. Adrian James represented the department on the NITE National Committee, contributing to the development and evaluation of the examination.

The faculty have continued to provide several exceptional clinical courses for the residents and fellows. A special thank you goes out to Drs. Peter Adamson and Jamil Asaria (Soft Tissue Dissection and Rhinoplasty courses), Drs. John Lee and Allan Vescan (Sinus Endoscopy Course), Dr. David Pothier (Endoscopic Ear Surgery Course), and the many faculty that contributed to the six Temporal Bone Dissection courses.

The department has continued to support Global

Health initiatives by offering an opportunity to our senior residents to join Dr. Peter Adamson on humanitarian missions with the Face the Future program. In June 2015, Dr. Nik Wolter participated in the humanitarian mission to Russia. In the coming academic year, the department will work towards re-establishing opportunities to work in Northern Ontario with Dr. John Rutka. Our thanks to Drs. Adamson and Rutka for providing these invaluable educational experiences.

Several new initiatives were introduced into the program in the past academic year. Sessions with standardized patients were organized to review CanMEDS competencies, and high-fidelity operating room simulation scenarios with the Department of Anaesthesia were developed at the Hospital for Sick Children. A formal sleep medicine rotation, organized by Dr. Raymond Ng, was successfully implemented into the core rotations. The second annual resident retreat was held on March 20, 2015. The morning session included seminars on



Front Row L to R: Drs. Yazeed Alghonaim, Yelda Jozaghi, Gian-Marco Busato and Ms. Jessica Rabski. Back Row L to R: Drs. Eric Monteiro, Nik Wolter, Patrick Scheffler.



Getting ready to drive!

'Transition to Practice' presented by Drs. Al Chiodo, Janet Chung, John de Almeida and Aman Grewal. Residents then enjoyed an evening of intrigue at the Escape Room and a local pub. The residents also enjoyed a spirited Go Karting race at Polson Pier and the Docks in September 2014 but were unable to pass any of the faculty drivers.

The PGY4 residents attending the annual meeting of the American Academy of Otolaryngology-Head & Neck Surgery in Orlando Florida were treated to a savory dinner at Emeril's Restaurant.



Back Row L to R: Drs. Ian Witterick, Heather Osborn, Kayvan Nateghifard, Paolo Campisi, Tony Eskander, Nik Wolter, Tulika Shinghal and Dupe Oyewumi. Front Row L to R: Drs. Yvonne Chan, Ed Park, Jenny Wang and Sarah Hugh



Drs. Luke Kus and Vinay Fernandes did a great job organizing Otolaryngology Jeopardy on December 5, 2014.



Otolaryngology Jeopardy Winners L to R: Yelda Jozaghi, Christopher Yao, Edward Park

#### Fellowship Programs

The Department of Otolaryngology-Head & Neck Surgery at the University of Toronto continues to be a beacon for fellowship training nationally and internationally. There were 24 fellows enrolled in clinical and research training in our department for the 2014-2015 academic year.

	COUNTRY OF TRAINING	FELLOWSHIP
Eric Arruda	Canada	Head & Neck Oncology
Jonathan Bernstein	United Kingdom	Head & Neck Oncology
Jon Chan	United States	Head & Neck Oncology
Lukasz Czerwonka	United States	Head & Neck Oncology
Andrew Foreman	Australia	Head & Neck Oncology
Gilad Horowitz	Israel	Head & Neck Oncology
Nidal Muhanna	Israel	Head & Neck Oncology
Daniel Rocke	United States	Head & Neck Oncology
Elaheh Akbari	Canada	Facial Plastic Surgery
Alipasha Rassouli	Canada	Facial Plastic Surgery
Susan Tan	Canada	Facial Plastic Surgery
William Parkes	United States	Pediatric Otolaryngology
Shazia Peer	South Africa	Pediatric Otolaryngology
Yazeed Alghonaim	Canada	Rhinology, Skull Base and Head & Neck Oncology
Eric Monteiro	Canada	Rhinology, Skull Base and Head & Neck Oncology
Elhamy Samak	Egypt	Rhinology, Skull Base and Head & Neck Oncology (Research)
Ohad Hilly	Israel	Otology Skull Base Surgery
Euna Hwang	Canada	Otology Skull Base Surgery
Hossain Hadi	United Kingdom/Bangladesh	Medical & Surgical Otology/Neurotology
Ohir Ilan	Israel	Medical & Surgical Otology/Neurotology
Jihad Nassar	Lebanon	Medical & Surgical Otology/Neurotology
Catherine Smyth	United Kingdom	Medical & Surgical Otology/Neurotology
lqbal Syed	United Kingdom	Medical & Surgical Otology/Neurotology
Carolina Wuesthoff	Columbia	Medical & Surgical Otology/Neurotology
Tulika Shinghal	Canada	Laryngology
Shiva Nagaratnam	West Indies	Global Health

## A graduation ceremony was held on June 24, 2015 at the Faculty Club.



Drs. Paolo Campisi (left) with Vinay Fernandes, PGY5



Drs. Paolo Campisi (left) with Elaheh Akbari



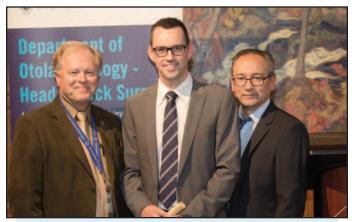
Drs. lan Witterick (left) with Yazeed Alghonaim



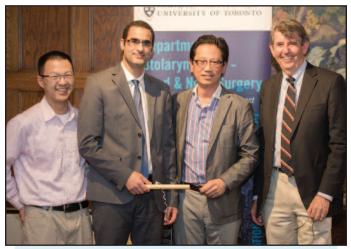
Drs. Paolo Campisi (left) with Eric Arruda



L to R: Drs. Ralph Gilbert, Lukasz Czerwonka and Douglas Chepeha



L to R: Drs. Dale Brown, Andrew Foreman and Paolo Campisi



L to R: Drs. Vincent Lin, Ohad Hilly, Joseph Chen and Julian Nedzelski



L to R: Drs. Paolo Campisi, Eric Monteiro, Ian Witterick



L to R: Dr. Sharon Cushing, Shazia Peer, Paolo Campisi



L to R: Drs. Ralph Gilbert, Daniel Rocke, Paolo Campisi



Drs. Susan Tan (left) with Paolo Campisi



Drs. Paolo Campisi (left) with Carolina Wuesthoff

#### **RESIDENCY PROGRAM COMMITTEE**



Dr. Glen Bandiera



Tonino, Classical guitarist



L to R: Drs. Vincent Lin, Ohad Hilly, Jean Davidson, Joseph Chen



Drs. Ian Witterick (left) and Dale Brown



L to R: Drs. Sarah Hugh, Gavin le Nobel, Trisha Roy (Gavin's fiancée)



L to R: Drs. Daniel Rocke, Vinay Fernandes, Andrew Foreman, Dale Brown



A great time was had by all at the Faculty Club

#### Research

The PGY2 residents continue to participate in 4-month research blocks under the supervision of various faculty members. This component of the residency training program has inspired several residents to pursue graduate level programs in subsequent years. Dr. Jennifer Wang completed a Master's degree through the University of Toronto, Johns Hopkins University and the Clinician Investigator Program (CIP). Dr. Xiao Zhao reclassified his Master's Program into a PhD program again as part of the CIP.

The third Harry Barberian Fundraising Dinner was held on May 5<sup>th</sup>, 2015. The proceeds from this annual event are used to fund resident and faculty research in the department. The recipients of Harry Barberian Scholarships for 2015 are listed in the "Departmental Awards Program" section of the annual report (see page 52). A special thank you to Mr. Arron Barberian and Dr. Jeremy Freeman for their ongoing support of this annual event.

The Percy Ireland Annual Academic Day was held on May 8, 2015. The invited professor was Dr. Bradley Welling from Harvard University. The quality of the research projects was again extraordinary, showcasing the depth of our Research Program. The awardees of the various categories are listed in the 'Percy Ireland Academic Day' section of this report (see page 58).

#### **Research and Teaching Awards**

- Drs. Lukas Kus and Vinay Fernandes were recognized by their peers as the Resident Teachers of the Year.
- Dr. Andrew Foreman was recognized by the residents as the Fellow Teacher of the Year.
- Dr. Vincent Lin was recognized by faculty and residents as Postgraduate Teacher of the Year and was awarded the Resident Advocacy Award.
- Dr. Brad Hubbard was nominated for the 2014–2015 Dr. John H. Fowler Excellence in Teaching Award at the Toronto East General Hospital.
- Drs. Ohad Hilly, Joseph Chen, Farad
  Pirouzmand, James Birch, Euna Hwang, Vincent
  Lin, Richard Aviv and Sean Symons received the
  2<sup>nd</sup> Place Poster Prize at the Canadian Society of
  Otolaryngology-Head & Neck Surgery meeting
  in Winnipeg for their poster on "Tractography of
  the Facial Nerve in Patients with
  Cerebellopontine Angle Tumors".



## 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 around the world. I would like to thank Dr. Vito Forte for

organizing our Grand Rounds every Friday morning during the academic year. These rounds include presentations from visiting professors, guest lecturers, community & academic faculty, fellows, and residents. In the last 3 years, we have added the capability to watch the Grand Rounds live or archived through the OTN (Ontario Telemedicine Network) to help provide our community academic faculty easier access to these educational activities.

#### **Courses Organized**

DATE(S)	COURSE TITLE (ORGANIZERS)	GUEST FACULTY/INVITED SPEAKERS
May 22-23, 2015	University of Toronto Rhinology Update (Drs. Yvonne Chan, John Lee, Al Vescan)	Arif Janjua, UBC Shaun Kilty, University of Ottawa Kristian Macdonald, University of Ottawa Brian Rotenberg, Western University Doron Sommer, McMaster University Leigh Sowerby, Western University Heinz Stammberger, Austria Marc Tewfik, McGill University Susan Waserman, McMaster University
May 15, 2015	16th Annual Wharton/Elia Day (Drs. Patrick Gullane, Stefan Hofer, Jonathan Irish, Fei-Fei Liu and Brian O'Sullivan)	Robert Ferris, Elia Lecturer Anne Lee, Wharton Lecturer Hisham Mehanna, Sullivan Lecturer
May 8, 2015	24th Annual Percy Ireland Academic Day (Drs. Paolo Campisi, Robert Harrison, Ian Witterick)	Bradley Welling, Harvard

Courses Organized continued...

DATE(S)	COURSE TITLE (ORGANIZERS)	GUEST FACULTY/INVITED SPEAKERS
March 31-April 1, 2015	Toronto Endoscopic Ear Surgery Course (Dr. David Pothier)	Matteo Alicandri-Ciufelli, Italy Stephane Ayache, France Chris Coulson, UK Seiji Kakehata, Japan Jane Lea, UBC Daniele Marchioni, Italy João Flavio Nogueira, Brazil
February 6-7, 2015	5th Toronto Voice Course (Dr. Jennifer Anderson)	Tim Brown, Dalhousie University Ramon Franco, Harvard Medical School Erin Silverman, University of Florida
February 7, 2015	13th Annual Otolaryngology Update (Drs. Yvonne Chan, Al Chiodo, Brad Hubbard)	Tim Brown, Dalhousie University Ramon Franco, Harvard Medical School Safeena Kherani, University of Ottawa Shaun Kilty, University of Ottawa David Schramm, University of Ottawa Ved Tandan, OMA President Marc Tewfik, McGill University John Yoo, Western University
October17, 2014	International Pediatric Endoscopy Course (Dr. Evan Propst)	Matthew Bromwich, University of Ottawa Sam Daniel, McGill University Patrick Froehlich, University of Montreal Murad Husein, Western University Kaalan Johnson, University of Washington Darren Leitao, University of Manitoba Jonathan MacLean, McMaster University John Manoukian, McGill University Lily Nguyen, McGill University Jeremy Prager, University of Colorado Steven Sobol, University of Pennsylvania Jean-Philippe Vaccani, University of Ottawa
October 17, 2014	International Pediatric Open Airway Surgery Course (Dr. Evan Propst)	Matthew Bromwich, University of Ottawa Patrick Froehlich, University of Montreal Murad Husein, Western University Kaalan Johnson, University of Washington John Manoukian, McGill University Jeremy Prager, University of Colorado Steven Sobol, University of Pennsylvania
October 15-18, 2014	8th International Symposium on Objective Measures in Auditory Implants (Drs. Karen Gordon and Blake Papsin)	Multiple, 23 invited speakers, 81 open papers and over 90 posters

#### Courses Organized continued...

DATE(S)	COURSE TITLE (ORGANIZERS)	GUEST FACULTY/INVITED SPEAKERS
October 14-15, 2014	5th Annual Pediatric Vestibular Balance Update (Dr. Sharon Cushing)	Jacob Brodsky, Harvard Faithe Kalisperis, University of Delaware Thierry Morlet, University of Delaware Robert O'Reilly, University of Delaware
October 14-15, 2014	International Pediatric Temporal Bone Dissection Course (Dr. Adrian James)	Antje Aschendorf, University of Freiberg, Germany John Hamilton, Gloucestershire Hospitals Trust, UK Robert O'Reilly, University of Delaware



Rhinology Update 2015



Drs. Heinz Stammberger (left) and Yvonne Chan



Guest Lecturers, Faculty and Staff. Wharton/Elia Day 2015



5<sup>th</sup> Annual Voice Course, Surgical Skills Lab, February 6-7, 2015



5<sup>th</sup> Annual Voice Course, Surgical Skills Lab, February 6-7, 2015



13<sup>th</sup> Annual Otolaryngology Update, February 7, 2015. Exhibit Hall



13<sup>th</sup> Annual Otolaryngology Update, February 7, 2015. Li Ka Shing Auditorium



5<sup>th</sup> Toronto International Pediatric Endoscopic Course, October 16, 2014



5<sup>th</sup> Toronto International Pediatric Endoscopic Course, October 16, 2014



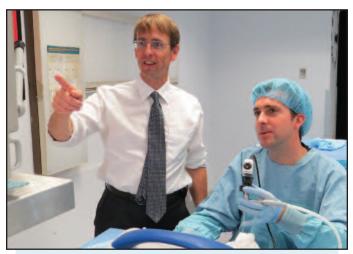
Toronto International Pediatric Open Airway Surgery Course, October 17, 2014



Toronto International Paediatric Open Airway Surgery Course, October 17, 2014



8<sup>th</sup> International Symposium on Objective Measures in Auditory Implants, October 15-18, 2014



International Paediatric Temporal Bone Dissection Course, October 14-15, 2014



International Paediatric Temporal Bone Dissection Course, October 14-15, 2014

#### **Invited Professors/Invited Guests**



June 5, 2015 Ricardo Carrau Ohio State University Medical College

#### TITLE OF PRESENTATION

Past, Present and Future of Endoscopic Skull Base Surgery



May 22, 2015 Heinz Stammberger Medical University Graz, Austria

Analyzing Complications in FESS – How and why they occur (and how to avoid them): The Lamella Principle in Teaching and Learning



May 8, 2015 Bradley Welling Harvard University

Decision Making in the Management of Vestibular Schwannomas: What's New in 2015?



May 1, 2015 Allan Siperstein Cleveland Clinic (Binstock Lecturer)

Changing Concepts in Parathyroid Surgery: Science Versus Marketing



April 17, 2015 John Yoo Western University (Bulhoes Lecturer)

Reconstructing the Paralyzed Face



February 26-27, 2015 Mark Shrime Harvard University

How Long is Enough? Time-limited trials of ICU care in poor-prognosis cancer patients and

The Right to Look Human: Head and neck surgery in the developing world

Invited Professors/Invited Guests continued...



February 20, 2015 Stacey Weber & Pranesh Chakraborty (Krista Riko Lecturer)

#### TITLE OF PRESENTATION

Screening for Hearing Impairment in Ontario – Where have we been? Where are we heading?



February 13, 2015 Peter Ferguson University of Toronto

A Recipe for Radical Curricular Change in Postgraduate Surgical Training



January 30, 2015 Catharine Whiteside University of Toronto

Recognizing the Value of Integration: Role of the University in Academic Health Science Centres



January 16, 2015 Anthony Nichols Western University

Paired Genomics and High-throughput Drug Testing to Direct Precision Treatment of Anaplastic Thyroid Cancer



November 28, 2014
Thomas Hummel
Technical University of Dresden,
Germany

Why do We Smell? What happens when we lose it? What are the causes of Olfactory loss? How can we treat it?



November 21, 2014 Craig Buchman University of North Carolina at Chapel Hill

Chronic Ear Surgery: Are we doing it all wrong?

Invited Professors/Invited Guests continued...



November 14, 2014 Prabhat Jha University of Toronto

#### TITLE OF PRESENTATION

Death and Taxes: Global Effects of Smoking, of Quitting and of Taxing Tobacco



November 7, 2014
Peter Roland
University of Texas
(Peter & Melanie Munk Lecturer)

Diagnosis and Management of Spontaneous Cerebrospinal Otorrhea



October 31, 2014 Giuseppe Spriano, Italy (Grimm Lecturer)

Role of TORS in the Treatment of Oropharyngeal Cancer



October 24, 2014 Richard Cooper University of Toronto

Laryngoscopy Past and Future – from Digital to Digital



October 17, 2014 Michael Benninger Ohio Cleveland Clinic

The Evaluation and Management of Subglottic Stenosis



October 3, 2014 Franco Trabalzini, Italy

New Intraoperative Techniques for Hearing Preservation in Cochlear Implantation and CI in the Ossified and Malformed Cochlea Invited Professors/Invited Guests continued...



September 26, 2014 Juichi Ito Kyoto University

#### TITLE OF PRESENTATION

Regeneration Medicine for Inner Ear Disorders

#### **International Continuing Education**

The Department of Otolaryngology-Head & Neck Surgery continues to play an increasing and effective role in international continuing medical education and facilitating Canadian influence in international development and health systems development. This is pioneered by Dr. Arnold Noyek, Director for International Continuing Medical Education for the Faculty of Medicine. Over the years, Dr. Noyek, through CIESPO, used CPD for health as a bridge to peace and global health initiatives. The core principle has always been: Canadian umbrella, academic setting, multilateral on the ground across the Arab and Israeli divide. More recently, University of Toronto accredited distance educational programming through video teleconferencing had been developed. The durable network of peaceful professional cooperation across the Arab and Israeli frontier has been offering increasing and regularized CISEPO (www.CISEPO.ca) and Peter A. Silverman Global teleHealth programming involving Canadian, Israeli, Jordanian and Palestinian universities, teachers, residents, students, nurses and health care professionals. The department facilitates these high impact multidisciplinary programs thus extending its own influence as an international academic and educational broker not only in advancing hearing health and other aspects of Otolaryngology but by engaging in a multidisciplinary manner with a variety of universities and health centers worldwide.

#### **Upcoming Courses – 2015 & Beyond**

Oct 15, 2015: 6<sup>th</sup> Toronto International Paediatric Endoscopic Course, Toronto.

Oct 16, 2015: 2<sup>nd</sup> Toronto International Paediatric Open Airway Surgery Course, Toronto.

Oct 24, 2015: Current Management of Sleep Disorders – A Comprehensive Update, Toronto.

Nov 6, 2015: American College of Surgeons Thyroid & Parathyroid Ultrasound Course, Toronto.

Nov 7 & 8, 2015: Current Concepts in Head & Neck Surgery, Toronto.

Feb 6, 2016: 14<sup>th</sup> Annual Otolaryngology Update, Toronto.

2016: International Symposium on Cochlear Implantation in Children, Toronto.

#### Summary

We are committed to further establishing innovative courses for otolaryngologists, academic and community, as well as family practitioners and allied health care providers. Faculty development is an area of new opportunity for us to explore including teaching, time management, leadership training, and development of teaching dossiers for promotion application. I would like to thank Ms. Audrea Martin, our business officer, for her continued excellent support for our CPD portfolio.



#### Dr. Robert V. Harrison (Chair)

The mission of the Faculty of Medicine is to seek excellence in clinical practice, teaching and research, and we follow that lead in our department. We have clinicians, surgeon-scientists, basic-scientists and numerous trainees who study all aspects of research under the wide spectrum of Otolaryngology-Head & Neck Surgery. In our department, clinically related research is carried out by most of our staff, often in association with other health-care professionals and/or basic scientists. Our full-time scientists interact extensively with our clinicians in translational studies, and are also involved in basic aspects of science ("discovery science") relating to Otolaryngology - HNS. The research teams that work within our University department and illustrated in the schematic at the beginning of the Research Team Reports section of this report.

Our departmental Research Committee is structured to represent the research activities in each of our core teaching hospitals, and to adequately represent both clinical and basic research. Thus, **Karen Gordon** and **Evan Propst** cover research at SickKids.

Representatives from Sunnybrook are **Alain Dabdoub** and **Vincent Lin**. Mt. Sinai Hospital research is represented by **Al Vescan**, and from St. Mike's, **John Lee**. At UHN, **David Pothier** and **David Goldstein** are the hospital representatives, and we welcome a new member to our research committee from UHN, **Doug Chepeha**. The

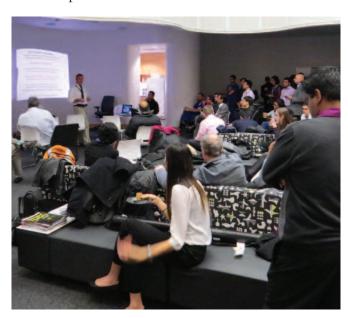
committee also includes *ex-officio* members **Ian Witterick** and **Paolo Campisi**.

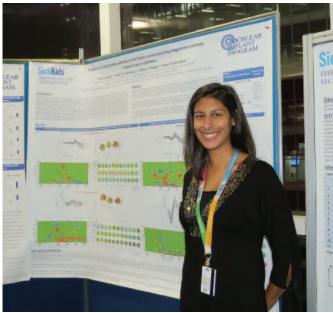
In our discussions throughout the year we have addressed some of the pressing current issues relating to research. This included the growing difficulty in obtaining federal or provincial research support, and the increasing need to rely on industry or philanthropic funding. We have discussed issues in the research publishing world, which is also undergoing a major transition with online journals usurping the traditional hard copy journals. This has forced journals to charge higher processing and "open access" fees. At the same time literally hundreds of online publishing enterprises have been created, competing with established journals. Some of these new online journals are high quality with strict manuscript review; others take your money and provide minimal peer review. Another topic of interest/concern is the increasing use of various metrics to quantify the quality of research. We have tried to educate our departmental researchers on the value (or otherwise) of journal impact factor, Hindex and other citation index measures.

Two events in the department are the highlights of the academic year. Our annual academic (Percy Ireland) day is when the focus of attention is on both clinical trainees research during residency or fellowship, as well as graduate students in basic science labs. This year the standard of presentations was outstanding. We have also hosted an excellent research evening (November 13, 2014) that

RESEARCH COMMITTEE 91

attempted to exhibit many of the research activities in the department. This year we held this event in the new research tower at SickKids (Peter Gilgan Centre for Research and Learning). The time available at the research evening is always inadequate to allow coverage of all the science that goes on "behind the scenes" in our department. But we try to cover as much as possible.





The past year has seen the initiation, as well as the fruition of many research endeavours. Our department continues to improve research productivity in terms of input of grant funding, and publication and presentation output. By all measures of research productivity, we continue to grow and fulfill the research mission of the Faculty of Medicine in Toronto. Well done to all those who have contributed to our academic progress.



#### Ms. Vicky Papaioannou (Chair)

The Audiology Committee is composed of a strong 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 again in the fall. "Audiogram of the Month" continued for another year expanding to include vestibular cases as well. Kids2Hear, a combined program involving undergraduate medical students and members of our department returned in 2014-15. The students and many members of our department participated in hearing screening at several different Toronto elementary schools as well as a follow up clinic at SickKids. Stacey Weber, audiologist working in the Strategic Policy and Planning Division of the Ministry of Children and Youth Services, and Pranesh Chakraborty, a physician from CHEO certified by the Royal College in Medical Biochemistry and Paediatrics were this year's speakers for the Krista Riko Lecture. They presented on screening for hearing impairment in Ontario and the possible changes to both hearing screening and newborn screening in general.

The Audiology Committee held its annual meeting at The Hospital for Sick Children in the fall. Various

topics of interest were discussed such as the Committee's role within the department, content of the undergraduate and core lecture series as well as the Kids2Hear Program and Audiogram of the Month.

The Audiology Committee members for the 2014-2015 academic year were:

#### **Hospital for Sick Children**

Susan Druker, Karen Gordon, Gina Goulding, Laurie MacDonald, Vicky Papaioannou (Chair)

#### Sinai Health System

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

#### **Sunnybrook Health Science Centre**

Julija Adamonis, David Shipp, Kari Smilsky, Ken Williams

#### **University Health Network**

Maxine Armstrong



#### Dr. Jonathan Irish (Chair)

The Department Appointment 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:

- ensure consistent and appropriate appointment processes to the Department of Otolaryngology-Head & Neck Surgery
- 2. conduct the performance review (the usual probationary period prior to a continuing annual appointment is three years, but may be extended for up to two years) of all full-time appointments in accordance with the Procedures Manual for Clinical Faculty.

The DAC provides advice to the Chair and Hospital Chief regarding all initial part-time, full-time, adjunct appointments and conducts a performance review of all full-time academic appointments at the end of the probationary period. The Committee is active and has three planned meetings per year with other meetings scheduled as necessary.

The Department Appointment Committee has made the following recommendations to the Chair of the department this year:

### Approval of New Full-Time Faculty Appointment

Eric Monteiro (MSH)

#### Approval of New Clinical Adjunct Faculty Appointments all at the level of Lecturer

Sarfaraz Banglawala

Greg Belchetz

Janet Chung

Amandeep Grewal

Bradley Hubbard

Mark Korman

Victor Toran

Adrienne Wong

## Approval of New Clinical Part Time Faculty Appointment at the level of Assistant Professor

Theresa Holler

#### Approval of New Status Only Appointment at the level of Lecturer

Carolyn Falls

#### Re-appointment of 43 Clinical Adjunct Faculty

The DAC membership would like to congratulate all new faculty members to the Department of Otolaryngology-Head & Neck Surgery.



#### Dr. Robert V. Harrison (Chair)

Our Promotions Committee is structured to reflect the full range of clinical sub-specialties in Otolaryngology-Head & Neck Surgery, as well as the special interests of our teaching hospitals. All members of this committee are at the rank of full professor. The committee for this year consisted of Peter Adamson, Joe Chen, Ralph Gilbert, Jonathan Irish and Blake Papsin. Ian Witterick is *ex officio*.

"Promotion through the ranks" at the University of Toronto is an important marker of academic achievement, and a marker of excellence in both our clinical and research communities. In the Faculty of Medicine the standards and criteria for promotion are high. In a clinical department such as ours, research and contributions to teaching are important, as well as providing excellent role models for those in clinical practice. Our Departmental Promotions Committee makes an assessment and will recommend promotion candidates to our Chair and to the Dean. Our committee also assists candidates to prepare documentation, and coordinates external and internal peer reviews. Our committee does not award promotion, but decides who is eligible for consideration by the Decanal Committee of the Faculty of Medicine.

In the past year we are pleased to note that all of our candidates have successfully been promoted.

Congratulations to Vincent Lin, Alain Dabdoub,
Jennifer Anderson and Andres Gantous for

promotion to Associate Professor, and particular recognition for Paolo Campisi for promotion to Full Professor.

This past year our committee has taken on a new role, that of "junior promotions". Many of our community based faculty who have served the educational mission of the department by mentoring and training medical undergraduates and residents rightfully deserve university professorial rank. Our Chair has developed and implemented a process for promotion of lecturers to assistant professor level, based on the guidelines used for senior promotions. We have initiated this scheme over the past year and already have a number of deserving candidates ready for promotion.

Professorial rank is one of the more tangible reminders that we are part of a University family. In this regard our promotions committee has an important role, and I would like to thank all members of our committee for their careful and diligent assistance.



#### Dr. I. Witterick (Chair)

The Budget Advisory Committee met one time in the 2014-15 academic year. The committee helps to guide the Chair in appropriately monitoring the financial affairs of the department, particularly related to academic stipends. Thank you to all members of the committee.



#### Dr. Yvonne Chan (Lead)

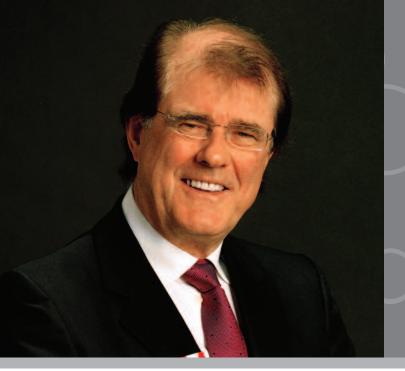
The membership of this group of faculty has increased significantly in the last 5 years as we take on a more expanded role in undergraduate and postgraduate education. This year, I would like to welcome the following new community academic faculty: Drs. Saf Banglawala, Greg Belchetz, Janet Chung, Aman Grewal, Brad Hubbard, and Mark Korman.

The Community Academic Faculty continues to play an active 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 Art & Science of Clinical Medicine (ASCM) teaching and clerkship teaching. Medical students are also being supervised by our community faculty during clinical observerships, both preclerkship and clerkship. At the postgraduate education level, trainees continue to rotate through Toronto East General Hospital, North York General Hospital, Trillium Health Partners and William Osler Health System. PGY4 residents have a 1 month rotation in Facial Plastic Surgery. In addition to residency training, world renowned fellowships in Facial Plastic Surgery are offered by Drs. Adamson, Ellis, and Conrad.

Our Community Academic Faculty is involved in Continuing Education & Professional Development to practicing otolaryngologists, we sponsored an excellent lecture "Management of Allergic Rhinitis" by Dr. Paul Keith. We were involved in the planning and sponsorship of the successful 13<sup>th</sup> Annual Otolaryngology Update in February 2015 at the Li Ka Shing Knowledge Institute. 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 May 2015. This award is presented to an Alumnus of the University of Toronto Otolaryngology-Head & Neck Surgery and whose professional and ethical standards have been of the highest order. This year's award was presented to Dr. Jeremy Freeman.

As the membership of this division grows, we will continue to make a strong contribution to both clinical and basic science research and all levels of education through publications, invited lectures, and visiting professorships.



## Advancment Initiatives and Successes

#### Dr. Patrick Gullane (Lead)

This past year we have experienced a further period of generosity and philanthropy resulting in a most successful year of donations that continues to fund the mission of our department and specialty.

The generous gift of \$100,000 to the University from Dr. Raymond Ng in 2013 (and matched by the Provost and Dean) spearheaded the creation of two endowed funds, one for the support of PhD students in our department and the second for MSc trainees with an interest in further pursuing an academic career in Otolaryngology-Head & Neck Surgery. This sparked a desire by others to continue with this initiative that has resulted in the transformation of both the Undergraduate and Postgraduate programs: exposing students to more robust hands-on training, playing an important role in enhancing the education of general medical practitioners and inspiring students who wish to pursue Otolaryngology-Head & Neck Surgery as a specialty.

In addition, we have facilitated the establishment of Graduate Awards and funding for Fellowships within the many subspecialty areas that enables our brightest students to be trained and educated by some of the best faculty in the world. This helps to ensure our future that Canada has the expertise we need to meet the challenges and the opportunities facing us today and in years to come. Needless to say this crucial, hands-on training is unique to the University of Toronto.

Well how do we continue to facilitate this support of our department's vision? We are again indebted to yet another benefactor who in 2014 contributed generously. On Thursday January 22, 2015, another very successful advancement dinner was held by Mr. Ralph Chiodo at the Head Office of Active Green+Ross where approximately \$100,000 was raised for the purchase of equipment for undergraduate medical education and teaching. We are indebted to Mr. Chiodo, his family and the generous planning committee including Mr. Joe Falcone, Mr. Fausto Gaudio, Drs. Vito Forte, Paolo Campisi and Al Chiodo who were responsible for finding this most charismatic and generous donor. His vision and generosity raised funds to purchase the balance of the OtoSim<sup>TM</sup> units that has made the otologic experience for our students within the University of Toronto unique. What a success story built around philanthropy.

The momentum of generosity was further experienced and enhanced with the 3rd Annual Harry Barberian Memorial dinner organized by Dr. Jeremy Freeman and supported by Mr. Arron Barberian at his historic restaurant and steakhouse. Over 80 generous donors including this year's special guest, Chief of Police Mr. Mark Saunders, attended the special evening with spectacular food that raised in excess of \$100,000. This will enable the funding of research scholarships for our newly recruited faculty and residents across the university department.

This year we are also grateful for a generous donation from the Canadian Academy of Facial Plastic and Reconstructive Surgery and some matching funds from our department that has created a \$50,000 endowed graduate award. This award is named the Wilfred Goodman Award in Facial Plastic & Reconstructive Surgery. Dr. Goodman was our department's first program director as well as an exceptional surgeon and pioneer in the art of "open rhinoplasty", where in the early 60's he single handedly promoted and popularized this technique in North America. In its early years of development, this approach was extremely criticized by many surgeons in the field of rhinoplasty but has now become the standard of care in all complex nasal reconstructions thanks to the perseverance of Dr. Goodman. The award is given annually for the benefit of student trainees (residents) and fellows who are undertaking their education and research in the field of facial plastic and reconstructive surgery.

I am pleased to report to you this year that a very generous donation of \$240,000 has been contributed by the "Smile China Foundation" in honour of Dr. Joseph K. Wong who was responsible for this initiative. The funds will in perpetuity support: An annual "Joseph K. H. Wong/Smile China Project Lecture in Global Health & Outreach" as well as travel awards. The lecture will be hosted annually by the Department of Otolaryngology-Head & Neck Surgery welcoming an esteemed Visiting Professor with a focus on global health and outreach.

In addition to the above, some of our faculty have made generous contributions to the department through wills and donations that include funding named lectures, research awards and scholarships that exceed \$300,000.

Finally over this past year we have seen the leadership at the University advancement office change with the departure of Mr. Mike De Haan and the appointment of Mr. Brian Bachand as of August 2014 as Executive Director of Advancement in the Faculty of Medicine. Ms. Farzana Rajwani who returned to the University of Calgary was replaced by the talented Ms. Heather Yearwood on March 1, 2015 as the Senior Development Officer supporting our department's advancement mission. We look forward to working closely with these visionary

leaders as we further enhance and promote this most important area of development.



L to R: Mr. Arron Barberian, Chief of Police Mark Saunders, Dr. Jeremy Freeman



Mr. Arron Barberian (standing)



January 22, 2015 fundraiser dinner hosted by Mr. Ralph Chiodo at the head office of Active Green+Ross



#### PRIME MINISTER PREMIER MINISTRE

I am pleased to extend my warmest greetings to everyone attending the special fundraising event in support of the University of Toronto's Department of Otolaryngology-Head and Neck Surgery.

This gathering, which includes an interactive clinical demonstration, promises to be an informative and memorable experience for all those in attendance. Proceeds will advance medical education and patient care by providing students with access to the newest technology used in the diagnosis of ear pathologies. I would like to commend you for supporting this worthy cause. Your generous contributions demonstrate a commitment to a valued academic institution and its mission.

On behalf of the Government of Canada, I offer my best wishes for an enjoyable evening and for every success in meeting your fundraising goal.

The Rt. Hon. Stephen Harper, P.C., M.P.

OTTAWA 2015



## Division of Head and Neck Oncology

#### Dr. Ralph Gilbert (Chair)

Members: Drs. Ralph Gilbert (Chair), Dale Brown, Douglas Chepeha, Jean Davidson, John de Almeida, Danny Enepekides, Jeremy Freeman, Patrick Gullane, David Goldstein, Kevin Higgins, Jonathan Irish, Allan Vescan and Ian Witterick

The Division of Head and Neck Oncology 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 subspecialty.

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 departments at UHN and Mt. Sinai are pleased to welcome Douglas Chepeha to our group. Doug has been recruited from the Department of Otolaryngology-Head & Neck Surgery at the University of Michigan where he served with the rank of tenured Full Professor and directed their Reconstructive Microsurgery Program. Doug will provide leadership in translational research at the Princess Margaret Site and will further advance our reconstructive program.

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 and de Almeida 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 University of Toronto Head and Neck Division had a very productive academic year. Our collaboration with Memorial Sloan-Kettering Hospital in New York and the MD Anderson Hospital in Houston in presenting the annual Current Concepts Meeting continues and involves a broad spectrum of our faculty. Our division was invited by the International Academy of Oral Oncology to present a panel Innovation in Head and Neck Reconstruction at this year's meeting in Rhodes and were represented by Drs. Witterick, Gullane, Gilbert, Chepeha and de Almeida.

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; IFOS, IFHNOS, Italian Otolaryngology Society, Royal Society of Medicine, IAOO, BAOMS and the North American Skull Base Meeting. Dr. Irish will be the Chair of the International Head and Neck Meeting put on by the American Head and Neck Society in July of 2016, and will also serve as Vice-President of the AHNS. Dr. Gilbert has been elected President-Elect of the International Academy of Oral Oncology and will serve as President in 2017. Dr. Witterick is Vice-President of the North American Skull Base Society and will be President in 2018.

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 Facial Plastic and Reconstructive Surgery

#### Dr. Peter Adamson (Chair)

It is my pleasure to report on the activities of the Division of Facial Plastic and Reconstructive Surgery for the academic year 2014–2015. We presently have 19 members, as we welcome Professor Douglas Chepeha joining our division. Other members of our division include Doctors Andres Gantous, Ashlin Alexander, Jamil Asaria, Cory Torgerson, Danny Enepekides, David Ellis, David Goldstein, Kevin Higgins, Krzysztof Conrad, Michael Brandt, Nitin Chauhan, Oakley Smith, Phil Solomon, Ralph Gilbert, Richard Rival, Robert Mounsey, Xerxes Punthakee and myself.

#### **Teaching Courses**

Two courses were held in conjunction with the Mount Sinai Hospital Surgical Skills Laboratory. The traditional Rhinoplasty Dissection Workshop, directed by Dr. Adamson, was held on March 30, 2015. This year the Soft Tissue Workshop was expanded to include three separate sessions. The Back to Basics session which included Simple Suturing Techniques was held September 29, 2014, Scar Revision November 24, 2014 and Local Flaps February 2, 2015. Doctors Ashlin Alexander and Michael Brandt, along with Dr. Adamson, directed the workshops. Fourteen divisional faculty attended and shared their experience.

In addition, many of our faculty participated in the Canadian Academy of Facial Plastic and Reconstructive Surgery Annual Clinical Day titled "Back to Basics" on October 25, 2014 in Toronto at the Chestnut Residence and Conference Centre. A large number of our members published peer-reviewed papers, journal articles and book chapters. Many were also active in teaching presentations at regional, national and international meetings.

#### **Individual Teaching**

The aesthetic and reconstructive surgery one month set rotation continues for the PGY4 residents. Divisional faculty participating include Doctors Solomon, Rival, Ellis, Conrad and Adamson. Dr. Adamson and Dr. Ellis continue with their fellowships sponsored by the American Academy of Facial Plastic and Reconstructive Surgery. This year's fellows included Dr. Susan Tan for Dr. Ellis and Dr. Eli Akbari for Dr. Adamson. Dr. Conrad's fellow, Dr. Alipasha Rassouli, is sponsored by the department. Several members in the division also accept international surgeons for clinical observerships. These include Doctors Conrad, Ellis, Rival, Smith and Adamson.

Dr. Ralph Gilbert chaired our divisional Grand Rounds on January 9, 2015. The topic was Local and Regional Flaps and included Doctors Chepeha, Enepekides and Higgins on the panel which discussed challenging cases. The Journal Club on March 24, 2015 discussed the topic of Face Transplantation. Several residents made excellent presentations which were followed by vigorous discussion amongst the residents and faculty. Dr. Jamil Asaria was invited to join the adjunct surgical faculty of the Division of Dermatology Mohs Surgery Program. He joins Dr. Adamson who lectures annually to the dermatology residents on facial plastic surgery.

#### **Divisional Activities**

The division had its annual meeting at Vita Sociale on October 20, 2014. In addition to the usual issues discussed, there was a fulsome review of requirements for truth in advertising and specific professional ethical issues, some of which pose a challenge in this era of social media.

During the year the division participated in the review of one of our traditional awards, the Wilfred Goodman Award in Facial Plastic and Reconstructive Surgery. This award is based on academic merit as assessed by a paper in facial plastic and reconstructive surgery, emphasizing aesthetic surgery, which has been presented at a national meeting. The criteria for the award have been altered somewhat, with the award henceforth being open to all residents and fellows across Canada. Applications for the award will be reviewed by the Department of Otolaryngology-Head & Neck Surgery at the University of Toronto, with the final recommendation for the winner to be made by the Chair of our department. The winning paper will be presented at the Clinical Day of the Canadian Academy of Facial Plastic and Reconstructive Surgery. This award is currently endowed for \$50,000 and will consist of an annual award of \$1000, or in certain years two awards of \$500 each. The award will only be given when merited, not necessarily annually.

In addition, this year a new award was created to honor one of our esteemed colleagues, Dr. Joseph K. H. Wong, who passed away in 2014. Through the efforts and generosity of his wife, Gaye Quan, the funds which had been used to support Dr. Wong's own foundation, Smile China, have been transferred to the University of Toronto to be utilized for an annual lecture and to support humanitarian missions. The lecture will be in Dr. Wong's name and will bring an invited guest to speak on topics in facial

plastic and reconstructive surgery. Proceeds from the endowment fund will also be open to faculty and residents to apply for humanitarian missions. The management of the funds and awards will be under the auspices of the Chair of our department. Currently the endowed funds are \$240,000, which will be split equally for the lectureship and the humanitarian activities grants.

Dr. Eli Akbari, Dr. Adamson's fellow, was this year's winner of the Krzysztof Conrad Award for excellence in Facial Plastic and Reconstructive Surgery.

#### **Association Activities**

Dr. Andres Gantous is our Canadian Regional
Director on the American Academy of Facial Plastic
and Reconstructive Surgery (AAFPRS) Board of
Directors. Dr. Asaria sits on the Emerging Trends and
Technologies and the Face to Face Committees of
the AAFPRS. Doctors Alexander and Mounsey
continue their work on committees at the American
Board of Facial Plastic and Reconstructive Surgery
(ABFPRS) writing written and oral examination
protocols. Dr. Michael Brandt sits on the C.O.R.E
(Centralized Otolaryngology Research Efforts)
committee for research activities, representing the
American Academy of Facial Plastic and
Reconstructive Surgery at the American Academy of
Otolaryngology-Head & Neck Surgery.

Dr. Adamson continues in his role as President of the International Board for Certification in Facial Plastic and Reconstructive Surgery, taking leading roles in the board examinations in Washington, DC and London, England. He continues as a Senior Advisor to the ABFPRS and is on the International Advisory Board of the Journal of the American Medical Association in Facial Plastic Surgery (JAMA FPS).

#### **Humanitarian Efforts**

Once again, it is noteworthy that the receipt of funds to begin Dr. Joseph Wong's endowment to support humanitarian activities will have a very positive impact on our department and our division. This year Dr. Nikolaus Wolter was supported by the department to participate in the Face the Future<sup>TM</sup>

Foundation mission to Ulyanovsk, Russia.

Dr. Adamson continues as President and Founder of the Face the Future<sup>TM</sup> Foundation. This year the foundation supported four overseas missions, two to Rwanda and two to Russia. Dr. Adamson was the Chef de Mission for missions to Kigali, Rwanda with a team of 12 in February and a mission to Ulyanovsk, Russia with a team of 10 in June. More details of these missions can be found in the Humanitarian Activities Report elsewhere in this Annual Report.

#### **Future Directions**

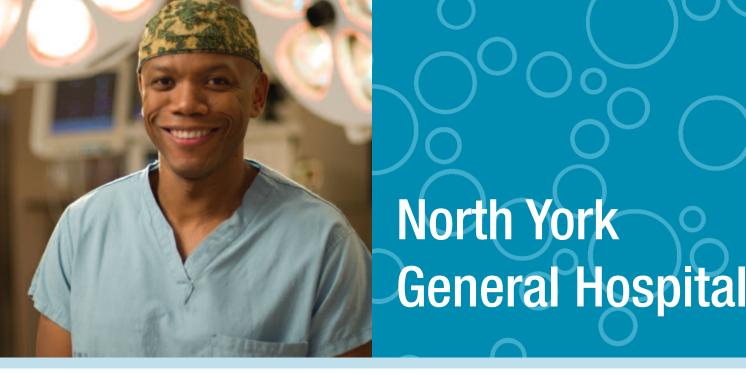
All members of our faculty continue to encourage residents to consider electives in facial plastic and reconstructive surgery. We also look forward to continuing the recently established tradition of having a PGY4 resident participate in the annual Face the Future<sup>TM</sup> missions. It is also hopeful that other staff faculty members of our department may consider joining future missions.

We look to continue our core lecture series, our rhinoplasty and soft tissue workshops and our PGY4

resident rotations. This year we are planning a Skin Cancer Education Day working with Dermatology. We will continue to support the overall academic mission of our department in facial plastic and reconstructive surgery.

It takes much work by many people to provide all of the academic activities outlined above. I would like to express my deepest appreciation and gratitude to each and every member of our division for their enthusiasm and commitment to our academic mission and for their numerous contributions. In addition, Doctors Witterick, Campisi, Vescan and numerous other faculty continue to provide the necessary support and valuable advice for our work. It must be recognized that virtually all of our activities take place because of the superb dedication and support of our departmental administrative staff. In particular, on behalf of all of our divisional faculty members, I extend my gratitude to Sonia Valente, Sandra Kellogg and Audrea Martin. And we also look forward to working with Michael Figueiredo in the years to come.

TEACHING
HOSPITAL
REPORTS



### Dr. Everton Gooden (Otolaryngologist-in-Chief)

The Division of Otolaryngology-Head & Neck Surgery at NYGH is staffed by four full time Surgeons (Drs. Gooden, Goldfarb, Shah and Kandasamy) and four full time audiologists. We recently celebrated our first anniversary in our new ambulatory clinic and continue to provide the full range of otolaryngology service including the provincial Infant Hearing Screening Program, which is run by our Audiology partner Dr. Gina Oh.

The division continues to participate regularly in the Undergraduate Otolaryngology Teaching Program (ASCM and clerkship teaching), the Transition to Clerkship Program as well as the new Longitudinal Integrated Clerkship Program. We continue to attract many elective residents from Family Medicine as well as Otolaryngology-Head & Neck Surgery.

We have successfully partnered with the Toronto East General Hospital with our Continuing Education Rounds by using video link allowing both Hospital groups to participate on a regular basis.

Dr. Manish Shah continues to partner with Mount Sinai Hospital and most recently has started a collaborative quality outcomes research study with the Mount Sinai faculty.

NYGH continues its tradition of balancing its budget despite increased volumes and has invested realized gains back into clinical programs. As a result, our division has seen increased access to hospital resources.

NYGH continues its 150 million dollar fund raising campaign and has surpassed 100 million dollars towards this goal. Dr. Gooden continues to co-chair the physician campaign that has raised over 1.5 million dollars.



## Dr. Ian Witterick (Otolaryngologist-in-Chief)

Sinai Health System is a new organization resulting from a voluntary amalgamation between Bridgepoint Active Healthcare and Mount Sinai Hospital. It also includes the home care provider Circle of Care (COC) as an affiliate. Circle of Care will remain a separate organization with its own board of which 50% of its members will be appointed by the new Sinai Health System Board. This arrangement enables COC to operate independently and, at the same time, work with the Sinai Health System to develop integrated programs in areas that will benefit patients. The Mount Sinai Hospital and Bridgepoint Active Healthcare names will remain the same under the banner of Sinai Health System. The new branding and identity for the Sinai Health System is currently being developed. The Lunenfeld-Tannenbaum Research Institute (LTRI) and the Bridgepoint Collaboratory for Research and Innovation will be integrated. New research foci within the LTRI are being created to accelerate research into health systems, complexity and rehabilitation. Sinai Health System will have an integrated medical staff with a single Medical Advisory Committee with representation by physicians from both sites and its committees. The President and Chief Executive Officer is Mr. Joseph Mapa. The Associate CEO and Chief Transformation Officer is Ms. Marian Walsh (former CEO of Bridgepoint Active Healthcare).

The *Sinai Health System* will work together to create a premier exemplar of an integrated health system that provides better and more coordinated care for patients.

Mount Sinai Hospital is undergoing significant change with multi-year capital redevelopment projects to create, expand and modernize the building called *Renew Sinai*. Anyone who has visited Mount Sinai lately will notice that our lobby is undergoing extensive renovations to feature patient-friendly areas including commercial services with easy navigation and an accessible design. The entire footprint of the hospital is being re-imagined. It will allow the hospital to leverage the best practices and advances in technology to deliver *The Best Medicine* to our patients.

Phase 1 opened in 2012 with six new floors on the Murray Street side of the building with an additional 160,000 sq. ft. This was primarily for the Frances Bloomberg Centre for Women's and Infant's Health, including the David & Stacey Cynamon Mother and Baby Unit. Phase 2 opened in 2015 with a new neonatal intensive care unit including single room units and enhanced security and infection control features. A new labour and delivery unit including five new operating rooms and new antenatal units with increased room sizes were included. Phase 3 planning and design are underway. This will include doubling the size of the Schwartz/Reisman Emergency Department to over 28,000 sq. ft. enabling Mount Sinai to accommodate the expected

growth in emergency patient volume from approximately 56,000 patients per year to an estimated 80,000 over the next few years. In addition, the surgical suites will be moved to the 7<sup>th</sup> floor with 18 new state-of-the-art operating rooms, including a new robotics-assisted suite and imaging technology. Phase 3 will include a new intensive care unit with a 50% increase in beds and upgraded equipment. There are plans for new in-patient beds and ambulatory clinic space redesign.

Between April 1, 2014 and March 31, 2015 MSH had 27,851 admissions, 6,599 births, 418 beds in service, 60,930 emergency department visits, 745,319 ambulatory care visits, 16,156 surgical procedures and 183,697 medical imaging procedures (Source: <a href="https://www.mountsinai.on.ca/about\_us/fast-facts">https://www.mountsinai.on.ca/about\_us/fast-facts</a>)

## **Our Faculty**

The four full-time clinical faculty are Drs. Chapnik, Freeman, Vescan and Witterick. Part-time faculty includes Drs. Ashlin Alexander, Yvonne Chan, Nitin Chauhan, Kris Conrad, Dustin Dalgorf, Taryn Davids, John de Almeida, Arnold Noyek, Xerxes Punthakee and Manish Shah.

As mentioned in the Chair's Report, I would like to congratulate and thank Drs. Jack Friedberg, Sharon Abel, Martyn Hyde and Ms. Ida Bennett for their years of service and support to Mount Sinai Hospital and our university department. We will all miss them and would like to wish them every success and fulfilment in retirement.

We welcome Dr. Eric Monteiro who starts his clinical practice on July 1, 2015. Eric is cross-appointed to UHN and will participate in multi-disciplinary head and neck oncology clinics at Princess Margaret Cancer Centre. He has a particular focus clinically in head and neck oncology, complex rhinology and anterior skull base surgery with a research focus in quality and safety measures. We all welcome and congratulate Eric on the start of his practice.

## **Education**

Mount Sinai Hospital remains a popular rotation with residents and fellows. There are also a large

number of visiting medical students, residents and observers through our clinics and operating rooms. We continue to have a significant number of off-service residents from ophthalmology, anesthesia and pathology. The teaching evaluation and rotation effectiveness scores remain excellent and some of the best in the department.

Mount Sinai Hospital is one of the sites piloting the Longitudinal Integrated Curriculum for the 2015-16 year with three clinical clerks. Dr. Freeman mentored Drs. Nidal Muhanna and Daniel Rocke as Head & Neck Oncology fellows. Drs. Witterick and Vescan mentored clinical fellows Drs. Eric Monteiro and Yazeed Alghonaim as well as research fellow, Dr. Elhamy Samak as Rhinology, Skull Base and Head & Neck Oncology fellows.

Several of our faculty hold important positions within the department and university. Dr. Allan Vescan is the Director of Undergraduate Medical Education for our department and Dr. Yvonne Chan is the Director of Continuing Professional Development. Dr. Witterick is Chair of the department and Chair of the Education Committee for the Faculty of Medicine. Dr. Freeman directs the Head & Neck Oncology Fellowship program. There was a very successful match of head & neck oncology fellows for July 2016 filled with candidates from the United States. Outside of the university, Dr. Witterick was named Vice President of the North American Skull Base Society (NASBS) and Dr. Vescan Program Co-Chair for the 2016 NASBS meeting in Arizona. Dr. Vescan is also an examiner for the Royal College.

Congratulations to Dr. Taryn Davids on completion of her Master's degree in Clinical Epidemiology and Dr. Eric Monteiro for completion of his Master's degree in Quality and Safety. Dr. Vescan will be defending his Master's thesis through the Institute of Medical Science at the University of Toronto in September 2015. Ms. Fatima Jesse is pursuing her Master's degree with Dr. Ranju Ralhan, PhD in our department.

We hosted the *University of Toronto Rhinology Update* on May 22-23, 2015 including Drs. Yvonne Chan, Allan Vescan (and John Lee) coordinating the didactic, live surgery and specimen demonstrations.

Dr. Heinz Stammberger was one of the invited visiting professors. Drs. Jeremy Freeman and Yvonne Chan are planning an American College of Surgeons accredited *Thyroid Ultrasound Course* on November 6, 2015. Drs. Freeman and Witterick are on the steering committee of the 3<sup>rd</sup> World Congress on Thyroid Cancer scheduled for July 2017 in Boston. They were also on the first two World Congresses held in Toronto; the last congress in July 2013 had an audience of over 1,000 attendees from more than 60 countries.

Dr. Freeman organized the 13th 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 1, 2015. The guest lecturer was Dr. Allan Siperstein from the Cleveland Clinic who gave a lecture titled Changing Concepts in Parathyroid Surgery: Science Versus Marketing.

We are working on an otolaryngology procedures website for patient education. Currently we are developing modules for adenotonsillectomy and thyroidectomy with collaborations in the Department of Biomedical Communications at the University of Toronto.

#### **Our Nurses**

Congratulations to the Mount Sinai Hospital nurses on achieving Magnet® recognition this year. Magnet® is the highest and most prestigious international distinction for nursing excellence and outstanding patient care. It is a voluntary recognition program conducted by the American Nurses Credentialing Center. Magnet® is more than just an award and the principles are structural empowerment of nurses and those who work with them; transformational leadership; exemplary professional practice; new knowledge, innovation and improvement; and a focus on empirical quality outcomes. Mount Sinai is the first Canadian hospital to achieve this prestigious recognition and fewer than 7% of US hospitals have attained Magnet® status. Congratulations to all of our nurses and nursing leadership!

#### **Awards**

Congratulations to Dr. Freeman who received the *Distinguished Alumnus Award* from the Community Academic Faculty in our university department this year. The award is given in recognition of having demonstrated an exceptional commitment and dedication to the practice and teaching of otolaryngology-head & neck surgery and whose professional and ethical standards have been of the highest order.

Two new awards were created in honour of Dr. Arnold M. Noyek named the Arnold M. Noyek O.C. Awards. These scholarships will fund two student's teleHealth projects annually, one for a student in the Faculty of Medicine and another for a student in the Dalla Lana School of Public Health.

#### **Advancement**

Dr. Freeman, the MSH Foundation and a grateful family led by Mr. Arron Barberian organized the 3<sup>rd</sup> Annual Harry Barberian Memorial Dinner on May 5, 2015. The ultimate tally is being finalized but we believe approximately \$100K was raised. The funds are used to provide research scholarships to residents, fellows and faculty in our department through a competitive peer-reviewed grant mechanism (detailed elsewhere in this Annual Report).

Other significant contributions to the department continue to include the Frederick Wax Family, the Joseph Sonshine Family, the Freeman Family and the Keith Ray Fund. Dr. Freeman is the Temmy Latner/Dynacare Chair in Head and Neck Oncology. Dr. Walfish is the Alex and Simona Shnaider Research Chair in Thyroid Oncology and the principal organizer and Co-Chair of the Annual Mount Sinai Hospital Da Vinci Gala for thyroid cancer care and research in support of the Joseph and Mildred Sonshine Family Centre for Head and Neck Diseases at MSH. The event this year was held on May 27, 2015 with over 650 people in attendance (and over \$300K raised for thyroid cancer research at MSH).

### **Collaborations**

Our department is very involved with multi-disciplinary and inter-disciplinary care. Drs. Freeman and Witterick participate in multi-disciplinary head and neck oncology clinics at Princess Margaret Cancer Centre. Drs. Taryn Davids and Manish Shah along with Speech Language Pathologist Mr. Tim Poon run multi-disciplinary voice clinics several times per month in our clinic space. There is ongoing work to increase research and data collection in the MSH Voice Disorders Clinic and continued teaching of medical students, residents and speech language pathology observers.

Drs. Yvonne Chan and Iona Leung (Dentistry) continue to run regular Mouth Clinics for the diagnosis and management of patients with difficult mouth disorders. Dr. Allan Vescan is collaborating with Dr. Gelareh Zadeh (Neurosurgery) and Dr. Rowena Rideout (Endocrinology) in multidisciplinary skull base and pituitary clinics at MSH. Thyroid endocrine oncology clinics continue on a regular basis in collaboration with Drs. Walfish, Segall and Zahedi from Endocrinology and Drs. Freeman, Vescan, Witterick and de Almeida from otolaryngology-head & neck surgery. Collaborative research is ongoing with all of these individuals in endocrine oncology with regular Endocrine Oncology Rounds and research meetings. Regular participants and collaborators include Drs. David Goldstein and Anna Sawka from the University Health Network.

An active clinical and basic science research program is ongoing. Dr. Ranju Ralhan, PhD (Director of Research for our department) is making significant progress with biomarkers in oral oncology as well as thyroid fine needle aspiration biopsies in conjunction with Dr. Paul Walfish (see details in the MSH research report).

Our department at MSH is thriving clinically and academically! I am so grateful to our outstanding clinicians, researchers, nurses and administrative assistants who are the cornerstone of our clinical and research excellence. We are indebted to the terrific leadership at MSH for their continuing support of our department and its programs, especially Mr. Joseph Mapa (President and CEO), Mr. Kevin Goldthorp (CEO Foundation and Executive Vice President Advancement) and Dr. Maureen Shandling (Executive Vice President Academic & Medical Affairs).



## 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, pediatric 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. Gantous has been successfully promoted to the rank of Associate Professor.

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.

The new Otolaryngology ambulatory clinic has now been completed and is in use. The hospital has one of the busiest emergency departments in the province. 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 the final phase of a \$180M campaign in support of a new clinical care tower at the corner of Queen and Victoria Street. The new tower will house the operating rooms and critical care units. Construction has commenced and completion is expected by 2018.

Donor support for the Department of Otolaryngology-Head & Neck Surgery was modest this year with a \$50,000 donation for teaching space and a conference room as well as two donations for state of the art equipment. A new KTP laser with narrow band imaging technology was purchased with the generous support of several donors to the voice clinic through the hospital foundation. The KTP is a fiber based laser that can be used with a flexible 'chip tip' endoscope. As such, acquiring the KTP has allowed certain laryngeal procedures to be performed in the clinic under local anaesthesia rather than in the operating room. A computer system was also purchased as part of the third videostroboscopy suite in the voice clinic.

In regards to our staff, Dr. Ronald Fenton has officially 'semi-retired' after more than 40 years on faculty at St. Michael's Hospital. For the many years of excellence in clinical care that Dr. Fenton has provided to St. Michael's patients, we would like to express our deepest appreciation. Many of us, myself included, have truly benefitted from his teaching and

the department is grateful for his incredible contribution in medical education for both undergraduate and postgraduate trainees. Dr. Fenton is also renowned as an early adopter of technology and has a breadth of medical acumen unmatched in our department. We wish him well in his new state of 'semi-retirement'.

The department would like to welcome William To, who is our new research assistant. William has been instrumental in setting up the new Nasal Physiology Laboratory with Dr. John Lee as the Medical Director. The lab has state of the art equipment including an acoustic rhinomanometer and olfactory testing is also available. A portable nitric oxide detector is also going to be available in the fall of 2015. This laboratory will function for both research and clinical testing purposes.

Dr. Molly Zirkle is to be congratulated on her successful reappointment as the Director of the Fitzgerald Academy which is a prestigious academic position in the University of Toronto medical school. Dr. Zirkle had an outstanding 5 year review, chaired by Dr. Jay Rosenfield, which was conducted in the spring of 2015.

Dr. Andres Gantous and Dr. Jennifer Anderson were both promoted to the rank of Associate Professor at the University of Toronto on the basis of education and creative professional activity, respectively. Thank you to the Chairman, Dr. Ian Witterick, for his support of these achievements.



## Dr. Joseph Chen (Otolaryngologist-in-Chief)

- 1. Promotions and Awards: Congratulations to Dr Vincent Lin and Dr Alain Dabdoub, PhD who were successful in their promotion to the rank of Associate Professor in 2015. Dr. Jean Davidson was the recipient of the undergraduate teaching award (Boyd Academy) in recognition for her commitment to the PBL program.
- 2. Program Alignment. The Otology division is now part and parcel of the Brain Science Program. Our research laboratories, cochlear implant program and surgical activities have migrated over from the CANCER program. The Audiology/vestibular/hearing Aid accounts will follow shortly. Head & Neck Oncology remains under the CANCER Program. The two foci of the department are extremely well positioned and our surgical activities are congruent with the tertiary-quaternary mandate of the hospital.

3. Research expansion. The Department is reconfiguring its M1 space to accommodate a new research audiology lab; collaboration with industry and the National Center of Audiology (NCA) would follow. A large sound booth with localization and electrophysiological equipment will be created while an active search for a new PhD researcher will commence in the fall.



# The Hospital for Sick Children

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

Life is pleasant. Death is peaceful. It's the transition that's troublesome.

~ Isaac Asimov

This has been a year of tremendous change at The Hospital for Sick Children and our Department of Otolaryngology-Head & Neck Surgery has shared this theme. The hospital's new CEO Michael Apkon, has begun to develop his plans for the next decade and at the same time has begun restructuring his senior executive team with Dr. Chris Caldarone being named the new Chief of Perioperative Services and Dr. Michael Salter being named the new Director of the Research Institute. This coming year will see a new Chief of Paediatrics named to complete the new leadership team. Otolaryngology-HNS continues to be an effective service with tremendous clinical, academic and educational output. Our operating room utilization is an enviably high 89% and our service has consistently been awarded extra OR blocks because of our demonstrated efficacy, in an effort to decrease wait times. Clinically this has been a most productive year.

Educationally, our team put on an unprecedented week of courses in Paediatric Otolaryngology-HNS last October 2014 with Airway, Temporal Bone and Balance courses presented in conjunction with the

8<sup>th</sup> Objective Measures in Auditory Implants meeting. Our focus on resident education and Dr. Evan Propst's strong local leadership has resulted in an improved resident experience as reflected in our improved teaching effectiveness scores. The institution of frequent oral exams has been particularly appreciated by the trainees.

Our departmental members have continued to speak internationally about the work we are doing here and many gave keynote addresses at significant international meetings. Dr. Adrian James in particular has transitioned into a highly sought after international speaker with his fine and sustained work on cholesteatoma and oto-endoscopy in children. In addition, he was appointed to the Institute of Medical Science in the School of Graduate Studies. Dr. Paolo Campisi's strong work was deservedly recognized by his receiving promotion to Full Professor.

On a higher level, two of our departmental members have undertaken even greater transitional journeys in this past year. Dr. Sharon Cushing has become a Mother to Xavier and additionally produced innumerable manuscripts in between feedings and diaper changes. The department is overjoyed that they are both healthy and we have all been happy to pick up the slack until she returns. On the other end of the spectrum Dr. Vito Forte has decided to change focus and transition from the clinical department to take a leadership role integrating SickKids with the Institute of Biomaterials and Biomedical

Engineering. He leaves an almost impossibly unfillable clinical void as he has been one of the most loyal and hardworking clinicians our department has ever known. We all wish him the greatest of success in his future endeavours.



## Toronto East General Hospital

## Dr. Al Chiodo (Otolaryngologist-in-Chief)

The last academic year for the Department of Otolaryngology-Head & Neck Surgery at Toronto East General Hospital has been a productive one. Dr. Chiodo completed his first year as our new Chief and Dr. Hubbard started as our new addition to the department.

From a clinical perspective, our department was quite active with over 425 in-patient surgical cases and 590 out-patient surgeries. Our out-patient clinic was able to see over 6,300 patients. With the creation of our new Thyroid Program, we were able to expand our multidisciplinary clinic with increased patient volumes and the addition of ultrasound guided biopsy capabilities in the clinic. Our thyroid surgery volumes increased from 140 to 220 thyroid carcinomas due to the hard work of Drs. Chiodo, Davidson, El Masri, Enepekides, Higgins and Hubbard. We were able to decrease hospital stays post total/completion thyroidectomy with introduction of recovery room PTH monitoring as a quality based initiative. From an otologic perspective, Dr. Hubbard was able to open our new state-of-the art vestibular lab. Our audiology lab was moved to our out-patient department next to the OTO-HNS clinic allowing for seamless care for out-patients with otologic issues. Our rhinology program enjoyed improved wait-times providing quality care with our new advanced guidance system. The facial plastic program headed by Dr. Oakley Smith was able to expand to nearly 2 operative days per week allowing residents to participate in a valuable surgical experience.

### **Education**

Our department was actively involved at the undergraduate, postgraduate and continuing education levels. With Dr. Hubbard being one of the Assistant Directors of undergraduate education for our university department, he was able to administer and deliver the undergraduate pre-clerkship curriculum through the DOCH II course, ASCM courses and MMMD courses. Our department was involved in the clerkship course where 24 clerks rotated through our out-patient clinic and private offices. We were also able to provide rotations for elective students and transition to residency students in their final year. At the postgraduate level, our hospital rotation continues to have excellent resident rotation scores. We have been able to provide comprehensive surgical exposure to endocrine, rhinologic, pediatric, otologic and facial plastic cases. Our resident clinic has provided a well-rounded experience in community OTO-HNS. Dr. Chiodo was able to present on otolaryngology-head and neck surgery practice management at the annual resident retreat. In addition, our department has provided weekly clinical instruction to family practice residents at TEGH. Dr. Hubbard was recently honoured as a nominee for the prestigious Dr. John Fowler award, which is the highest educational award at TEGH. From a continuing education perspective, Drs. Hubbard and Chiodo were co-course directors with Dr. Yvonne Chan for the 13th Annual Otolaryngology-Head & Neck Surgery Update held on February 7, 2015. Drs.

Hubbard and Chiodo were able to present family practice grand rounds where an interactive OtoSim<sup>TM</sup> session was conducted. Moreover, Dr. Hubbard presented on the approach to the vertiginous patient at the annual Drugs and Therapeutics Conference sponsored by the Department of Family Practice at TEGH. Dr. Chiodo presented at the Health Education and Assessment Training and Technology International Meeting in Orlando and at University Grand Rounds on use of otoscopy simulation in medical education.

#### Research

Research endeavours at TEGH have focused predominantly on medical education and community health. Two papers were published in The Laryngoscope on otoscopy simulation in undergraduate medical education by Dr. Chiodo. In addition, Dr. Chiodo published a paper on the development of educational resource materials for patient education in the Journal of Otolaryngology-Head & Neck Surgery. Dr. Smith published a paper on the effect of an organizational network on patient safety reporting in the journal Evaluation of Health Professionals. Research papers regarding use of simulation otoscopy in continuing education and the use of otoscopy simulation in undergraduate evaluation techniques have been submitted for publication. The effectiveness of a community-based OTO-HNS clerkship is an ongoing research project.

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

## Dr. Jeffrey Mendelsohn

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 were very fortunate to welcome to our division Drs. Aman Grewal and Janet Chung in July 2014.

In their second year, 56 medical students of the University of the Toronto Mississauga Academy of Medicine (MAM) all do the ASCM II teaching at Mississauga. In their third year, all 56 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 load is shared equally between all members of the division. Our division has scored very well in the student evaluations.

After a two-year hiatus in June of 2015, residents in otolaryngology-head & neck surgery will once again be rotating 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 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.

This year saw the recruitment of Dr. Douglas Chepeha to our staff. Dr. Chepeha was recruited from a tenured professor position at the University of Michigan where he served as director of their reconstructive program. Doug has a remarkable publication record with innovative work in H&N reconstruction and translational research in H&N oncology. Doug will further develop our reconstructive program and will facilitate development of our H&N translational program.

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 to develop under Dr. John Rutka's leadership. The Hearing and Balance Centre along with our Munk Hearing Aid Centre continues to provide strong clinical and academic programs. Dr. Pothier continues to innovate in minimally invasive ear surgery and is a highly sought after speaker in MIS ear surgery.

The Head and Neck Group including Drs. Gullane, Irish, Gilbert, Brown, Goldstein, de Almeida and Chepeha continues to be extremely productive both academically and clinically. Dr. Irish will chair the next International Head and Neck Meeting in the summer of 2016, and has been elected Vice-President of the American Head and Neck Society. Dr. Gilbert is the President-Elect of the International Academy of Oral Oncology. The group has been extremely productive internationally with invited presentations and keynotes at the AHNS, Italian Otolaryngology Society, IFHNOS, IFOS, Royal Society of Medicine, IAOO, North American Skull Base Society and many others.

The department's undergraduate, postgraduate and fellowship programs continue to provide excellent training. The department is an active participant in the university department's divisional fellowship offering 4 clinical and 1 research fellowship position every year. These positions are highly sought after because of the strength of the clinical program at UHN.

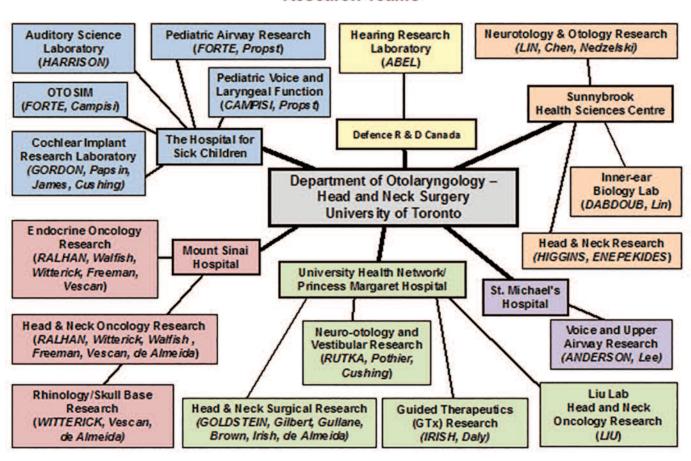
The department continues to be indebted to our many donors as well as the Princess Margaret Foundation and the Toronto General/Toronto Western Foundation whose contributions allow us to continue the legacy of leadership in Otolaryngology-Head & Neck Surgery.

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.



# Departmental Research Team Reports

#### Department of Otolaryngology – HNS, University of Toronto Research Teams



## The Hospital For Sick 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 development are arrested by hearing loss; 2) What changes in the auditory system occur during the period of deafness; and 3) To what extent can auditory plasticity and development be promoted by cochlear implant use? We are also interested in cochlear implant design which seeks to improve the resilience of the device as well as to preserve residual hearing. 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 Stephanie Jewell, our Research Project Co-ordinator, and we have welcomed Carmen McNight as our new research engineer. Two graduate students at the University of Toronto, successfully defended their research theses in our laboratory during this past year. Salima Jiwani earned a PhD through the Institute of Medical Science and Nikolaus Wolter earned an MSc through the Clinician–Surgeon Training Program and the Institute of Medical Science.

Salima Jiwani studied the long term effects of unilateral cochlear implant use on the maturing auditory cortex. In collaboration with Dr. Sam Doesburg, we used new tools to assess the cortical networks involved in listening through a cochlear implant. We had already shown that single sided deafness through unilateral cochlear implant use allows abnormal strengthening of the hearing ear (including work by Daniel Wong during his PhD). Salima's work showed that this strengthening is further solidified once cortical maturation is reached with implications for pathways from the opposite ear.

Salima has presented this work internationally and was awarded with 14 student prizes and competitive funding. Of note, in the present reporting year, this work was awarded external funding from the Hearing Foundation of Canada and Ms. Jiwani earned a studentship award for her abstract to the Objective Measures in Auditory Implants conference. Ms. Jiwani has authored 4 papers while in our laboratory, has another in revision, and is preparing a paper for submission. She has moved to a full-time position with Cochlear Canada.

Nikolaus Wolter investigated vestibular function and balance in children using cochlear implants and found deficits in these areas through posturography, motion capture, and behavioral measures. Importantly, children's time to fall decreased while wearing their cochlear implants regardless of the type of sound presented in the environment (dynamic versus static directionless noise versus quiet). Dr. Wolter has been recognized for his work with 6 student awards, including a top prize for outstanding poster at the Collaborative program in Neuroscience Research Day at the University of Toronto and the Judy Chauvin Otolaryngology Resident Award, Department of Otolaryngology-Head & Neck Surgery, University of Toronto. He has authored 3 publications based on work done in our laboratory, has 1 in revision, and another 3 in preparation for submission. Dr. Wolter will begin his otolaryngology fellowship at Boston Children's Hospital in July 2016.

Current graduate students are Melissa Polonenko and Joshua Gnanasegaram who are both in the Institute of Medical Science at the University of Toronto. Melissa Polonenko is a clinical audiologist pursuing her PhD. 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 7 studentship awards (5 this year). She received the Ontario Student Graduate Award in 2 consecutive years and was ranked first place in her category for the Restracomp Studentship Award

from the Hospital for Sick Children. Melissa has also received 2 awards for outstanding abstracts submitted by a student to international conferences this year.

Joshua Gnanasegaram joined the laboratory in September 2014 in the MSc program at the Institute of Medical Science. He is working 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 have been encouraging, revealing evoked responses in a proportion of children with and without residual vestibular function. Both Dr. Parkes and Mr. Gnanasegaram have been able to present this work at international conferences. A manuscript outlining the results at this stage is being prepared for publication.

We have enjoyed the opportunity to work with 3 returning summer students: Brigit Allemang, Patricia Ungureanu, and Catherine McCann. Catherine McCann's project explores the use of computational techniques to remove or suppress artifacts from electrophysiological recordings in cochlear implant users and has been funded by the Comprehensive Research Experience for Medical Students.

We continue to have important collaborations both locally, with Robert Harrison, Sharon Cushing, Adrian James, Sam Doesburg, Paolo Campisi, James Rutka, Sandra Trehub, Susan Blaser, and Frank Russo, nationally, with Isabelle Peretz, and internationally, with Robert Cowan and Richard van Hoesel.

The past year has been very productive: 9 publications were published or are in the press. Between this summer and last, we collectively presented over 20 abstracts at international meetings and gave more than two dozen invited talks internationally.

One of the highlights of the past year was our successful organization and co-chairing of the 8<sup>th</sup> International Symposium on Objective Measures in Auditory Implants, held October 14-17, 2014. The meeting was the largest to date held in North America and was very well received with 23 invited speakers, 81 open papers, and over 90 posters.

## Paediatric Voice & Airway Research Lab Paolo Campisi, Vito Forte, Evan Propst

Exciting research is active along many fronts. We acknowledge and are thankful for the contributions of many of our past and present residents and fellows and are grateful for the financial support of our hospital innovation grants initiative as well as to our Foundation donor base support.

## A partial project list is as follows:

- Voice therapy for the management of vocal fold nodules in children. This is a multi-centre (Toronto, Boston, Philadelphia, Milwaukee) randomized control trial comparing two types of voice therapy. The study was funded by an NIH grant. Targets for recruitment have been achieved. Congratulations to Ms. L. Russell, M. Nella and K. Simpson.
- HPV genotype and the clinical course of children with recurrent respiratory papillomatosis. This study was piloted in Toronto but will now be extended to other sites in the JoRRP interest group.
- Canadian JoRRP surveillance study. Data collection from the JoRRP interest groups is now complete. The national prevalence and incidence of JoRRP, 5 years after the introduction of HPV vaccination strategies, has been decreasing.
- Identifying genes responsible for the development of the normal and syndromic larynx and trachea.
- Development of a 22q11 mouse model to better understand laryngeal cleft and web formation.
- Creating lifelike models of the neck and airway as a simulator for tracheotomy and advanced airway surgical teaching.
- Creation of a variable tracheal construct for replacement of long segment tracheal stenosis.
- Studying the microvasculature and neovasculaturization of cartilaginous grafts using corrosion casting models and computer assisted analysis following laryngotracheal reconstruction.
- Dynamic modulation of endotracheal tube cuff pressure in humans in the intensive care unit.

- Use of ultrasonography to differentiate between thyroglossal duct cysts and midline dermoid cysts.
   Following retrospective analysis and development of a prediction algorithm, this has been instituted into clinical practice and prospective collection of data is ongoing.
- Demographics of choanal atresia in Canada: a population based study. Data has been collected from every pediatric centre in the country and publication is pending.
- Creation of a pediatric version of the Sniff'n Sticks olfactory battery of tests. This is a two-part multinational study. Part 1 (completed) tested children to select odours familiar and discernible to them. Part 2 (in progress) involves testing children with the new shortened version.
- Objective measures of the olfactory system in children.

## OtoSim™ Lab Paolo Campisi, Vito Forte

OtoSim<sup>TM</sup> has enjoyed another successful year thanks to the ongoing efforts of a great team and the support of many faculty members. Accumulated sales of the simulators have now surpassed the \$3.8 million mark.

Worldwide marketing and distribution strategies are being developed as the company continues to grow. The OtoSim<sup>TM</sup> has been adopted in more than 185 teaching institutions in over 20 countries.

Product development remains a key component of OtoSim Inc. Advanced OtoSim<sup>TM</sup> and OphthoSim<sup>TM</sup> self-learning software upgrades have been developed and marketed as well as 'mass teaching' and remote teaching capabilities for both the ear and eye simulation.

## A partial list of projects is listed below:

 Objective evaluation of otoscopy skills amongst primary care trainees. This study examines the abilities of primary care learners in family medicine and paediatrics to evaluate tympanic membranes using the OtoSim<sup>TM</sup> simulator before

- and after training with the unit. There is a long term follow up session assessing retention of otoscopy skills. The manuscript is being reviewed by the Journal of Surgical Education. [D. Oyewumi et al, Objective evaluation of otoscopy skills amongst family medicine, paediatric and otolaryngology residents]
- The use of an otoscopy simulator in an observed structured clinical examination (OSCE) was recently reviewed with Dr. David Wong, Undergraduate Education Lead for the Integrated OSCE, Faculty of Medicine, University of Toronto. J. Xu et al, Use of otoscopy simulation in medical student clinical evaluation. Submitted: Journal of Otolaryngology-Head & Neck Surgery.
- T.S. Fu et al, Evaluating the utility of otoscopy simulation in undergraduate medical education.
   Submitted: Journal of Otolaryngology-Head & Neck Surgery.
- D.J. Lee et al, Evaluation of an otoscopy simulator to teach otoscopy and normative anatomy to first year medical students. In press: Laryngoscope, 2015.
- J. Davies et al, Otoscopy simulation training in a classroom setting: a novel approach to teaching otoscopy to medical students. Laryngoscope, 124(11):2594-7, 2014.

## **Other Highlights:**

- OphthoSim<sup>TM</sup> A study exploring the utility of ophthalmoscopy simulation in the national ophthalmology bootcamp was undertaken in Toronto in June 2015. The data is currently being evaluated.
- Since 1982, The Ernest C. Manning Awards
   Foundation has been creating a culture of innovation in Canada by discovering, celebrating and rewarding Canadian innovators of all ages. In 2015, Dr. Vito Forte was nominated and selected as a finalist for the prestigious Ernest C. Manning Award.
- OtoSim<sup>TM</sup> was used by Drs. R. Nuss and J. Strychowsky (Boston Children's Hospital,

Harvard Medical School) at a recent humanitarian mission to Rwanda. This simulator was provided as part of the program by OtoSim Inc.



J. Strychowsky teaching with the OtoSim<sup>™</sup> in the otolaryngology clinic at the University of Rwanda teaching hospital in Kigali.

## Auditory Science Lab Robert V. Harrison

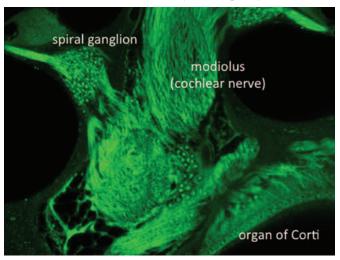
The Auditory Science Laboratory at SickKids has been part of our university department for over 30 years. We employ a wide range of research techniques to explore the structure and function of the normal and pathological inner ear and the development of the auditory brain. Our methods include brain imaging and electrophysiological techniques, including the recording of single neurons from different areas of the auditory brain. We also carry out evoked potential and oto-acoustic 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 and we also probe neural activity patterns in the auditory brain with immuno-labeling techniques. In recent years we have mastered corrosion cast studies of vascular structures in the inner ear and also of the trachea and larynx.

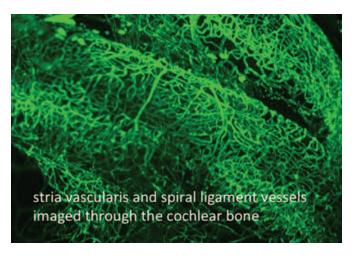
A new research initiative this past year has been an investigation of the damage to cochlear capillary networks (e.g. stria vascularis) resulting from cytomegalovirus (CMV) infection. This work is part

of the PhD thesis work done by Mattia Carraro, and our project is in collaboration with Albert Park at the University of Utah. Mattia was recognized for his work by winning our PhD Raymond Ng Award.

Mattia has also introduced some novel imaging techniques, including light sheet microscopy, and has refined the method to allow whole cochlear specimens (mouse) to be viewed in detail without bone removal. In the examples shown below individual spiral ganglion cells, cochlear vasculature can easily be recognized.

A recent major achievement for one of our graduate students, Lisa D'Alessandro, was the completion and final defense of her PhD thesis on the developmental plasticity of the auditory midbrain; congratulations to Lisa. 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, studying midbrain activity patterns with c-fos labeling, and investigating audiometric data in children with auditory neuropathy.





This past year, through the funding with a CIHR team grant, we have had useful collaborations with other research teams including that of Lu-Yang Wang at SickKids and Vincent Lin at Sunnybrook Health Sciences Centre. In addition to basic laboratory research we have active collaboration with the SickKids cochlear implant team including Blake Papsin, Karen Gordon and Adrian James. The research funding climate in Canada has become rather unsettled to say the least. Federal funding from CIHR is very competitive. We are pleased to report that we have a new five-year research project funded by CIHR to study inhibitory and excitatory neural interactions during auditory brain development.

In this last year, our research has resulted in publication of eight peer-reviewed papers, as well as contributions to the latest edition (6<sup>th</sup>) of Cummings *Otolaryngology: Head and Neck Surgery.* Robert Harrison has also co-authored a book entitled: "Understanding the Evidence: Wind Turbine Noise. The expert panel on wind turbine noise and human health".

As a result of hard work by our trainees and staff, the Auditory Science Laboratory has had a very productive year. Thank you all for your contributions.

## **University Health Network**

## Guided Therapeutics (GTx) Research Jonathan Irish, David Goldstein, Michael Daly

Established in 2006, the Guided Therapeutics Program (GTx) at the University Health Network is a collaboration of surgeons, medical imaging specialists, radiation oncologists, interventional radiologists, physicists, nanotechnology engineers and biomedical engineers all focused on the research, development and clinical implementation of innovative technologies to enable novel head and neck cancer diagnostics and therapeutics. The current scope of the program includes research and development in pre-clinical and translational/clinical settings.

The physical resources available include the GTx-Lab in MaRS with 2 fully equipped operating rooms and the GTx-OR at the Toronto General Hospital/UHN.

#### **GTx Lab**



- Dedicated space and equipment for development, testing, pre-clinical evaluation of image guided technologies (computing, imaging, contrast agents, molecular imaging).
- Pre-GTx OR site for pre-clinical evaluation

### **GTx OR**



- The largest research operating room in Canada
- First facility in the world that has a dual energy Siemens Definition FLASH CT scanner and a state-of-the-art robotic C-arm, the Siemens Artis Zeego, within the same OR
- Equipped with image-based surgical navigation technologies (x-ray and optical navigation; visualization)

## The objectives of the GTx Program are to:

- Develop innovative imaging technologies for guiding therapies (e.g, 3D imaging, molecular imaging, computer-assisted surgery);
- Establish revolutionary treatments that combine the strengths of established therapies;
- Increasingly integrate robotic surgical and interventional radiology therapies into the treatment of cancers; and
- Evaluate the effectiveness of new imaging and ablative technologies when they are applied to both traditional and new treatments.

The GTx Program has had the following notable achievements in innovations within the past year:

- Navigational tools developed through augmented and virtual reality technologies that can allow an "Avatar" overlay on to the real image that is being visualized by the surgical team.
- An "early warning system" alert to surgeons when they approach critical structures such as nerves and arteries.
- A novel "surgical dashboard" that has been positioned on digital imaging screens in the recently developed GTx-OR.
- Use of augmented reality technology to develop aids in contouring tumours for radiation therapy

- and for the display of radiation dose on an endoscopic image during surgery.
- Tests of UHN-developed novel contrast agents that identify tumours using both CT and fluorescence imaging.
- Improvements in the accuracy of complex mandibular and maxillary reconstruction through pre-operative 3D printing and modelling with intra-operative imaging confirmation.
- Conclusion of a study that examined the impact on procedure time and workflow: our group demonstrated the clinical feasibility of intraoperative cone-beam CT for head and neck surgery using our prototype mobile C-arm.
- Pre-clinical development of liposome and porphysome-based contrast agents with multifunctionality capability including photoacoustic and photodynamic ablation.

The GTx Program is well positioned for further development of current studies. For example, the GTx Program in Sarcoma has actively been developing real time image guidance for complex osteotomies for the treatment of musculoskeletal malignancies. This research has demonstrated significant improvements in accuracy with and will be translated from the GTx-Lab to "first in human" clinical trials in the GTx-OR this year.

## The GTx Program At-A-Glance:

- 7 cancer related clinical trials (50 patients)
- 7 multi-disciplinary related clinical trials (26 patients)
- >50 cases in the GTx OR
- 24 refereed papers
- 48 published abstracts and presentations
- 3 licensable technologies
- 15 GTx Rounds and 10 GTx OR open houses and tours
- 3 site-group specific GTx Fellowships
- Undergraduate medicine and engineering summer students

PATIENT OUTCOMES AND EXPERIENCE



KNOWLEDGE GENERATION



**KNOWLEDGE TRANSFER** 



## Head & Neck Translational Program Fei-Fei Liu

The Head and Neck Cancer (HNC) Translational Research Program at the Princess Margaret strives for a future where HNC can be cured without toxicity. This program has three main goals:

- 1) To understand HNC biology at the molecular, cellular, and tumour levels;
- 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.

The program had another banner year of innovation. We published over 15 peer-reviewed articles in leading scientific journals, and members of our team presented their findings at multiple venues, both locally and internationally, including USA, Japan, China, Turkey, Greece, and Germany. We also recruited new scientists and clinicians to the program, who are helping us expedite discoveries for personalized head and neck cancer therapy. Dr. Scott Bratman (MD PhD), a Radiation Oncologist with clinical practice in head and neck cancer, is leading a new research program focused on evaluation and characterization of circulating tumor DNA for identifying head and neck cancer patients at high risk of recurrence, in order to refine and individualize treatment for our patients. Drs. Benjamin Haibe-Kains and Trevor Pugh, both bio-informaticians, are also assisting our program in the analysis of these large genomic patient datasets.

One of the highlights of our program was the identification of 4 microRNAs whose abundance within primary nasopharyngeal carcinoma (NPC) tissues can predict an individual patient's risk of developing distant metastasis after initial treatment. In

a search for useful biomarkers for NPC, we measured the levels of hundreds of microRNAs in ~250 NPC patient samples. Using these data along with matched clinical follow-up data, we identified and validated a set of microRNAs whose abundance at the time of diagnosis was associated with the likelihood that a patient would develop distant metastases. Once this observation has been further confirmed clinically, this information could be used by oncologists to personalize the treatment of future NPC patients based on their risk (or lack-thereof) of developing distant metastases; a major cause of death in patients with NPC.

## Neurotology and Vestibular Research David Pothier, Philip Gerretsen and John Rutka

Surgeon scientist, Dr. David Pothier continues to direct divisional research in otology/neurotology at the University Heath Network in conjunction with staff at the Hertz Multidisciplinary Neurotology Clinic and the UHN Center for Advanced Hearing and Balance Testing.

We have continued with i) Investigation into the velocity and acceleration-specific measurement of the vestibular system; ii) Clinical research into the role for psychiatry and effects of catastrophization in chronic balance disorders in conjunction with the Department of Psychiatry; iii) Neural plasticity and biofeedback; iv) Worldwide collaboration in the measurement of sway from multilevel sensors. Collaborating institutions include Johns-Hopkins, University of Verona, Vanderbilt University, Harvard and UBC; v) Assessment and prevention of ototoxicity.

New research projects involving our Centre for Advanced Hearing and Balance Testing have included; i) Studies to compare the Vestibular Head Impulse Test (vHIT) to caloric and the head thrust testing for angular acceleration function; ii) Advanced tympanometry in the diagnosis of Meniere's disease; iii) the conceptual application of biofeedback to improve balance in those patients with dysequilibrium who wear hearing aids.

In partnership with The Toronto Rehabilitation Institute (TRI) we have entered into a collaboration to assess vestibular function in patients registered with the Falls Prevention Program. It is hoped that our input will add incrementally to the design of safety programs that will minimize injury to those elderly individuals prone to falls. The program will be led by Ms. Shaleen Sulway (PT) and Ms. Wanda Dillon (RN) who are part of the Hertz Multidisciplinary Neurotology Program.

Dr. Pothier continues to evaluate the role of endoscopic ear surgery (EES) in the field of minimally invasive ear surgery. The University of Toronto has continued to be a world leader in this field actively promoting this innovative surgery at international conferences, workshops and societal meetings. The culmination of years of work recently led to the publication of the first major and seminal text in EES with other members of the International Working Group on Endoscopic Ear Surgery (IWGEES). Clinical research projects include the retrospective analysis of results of EES in ear disease and the role of tenotomy surgery for intractable Meniere's Disease as an option to intratympanic aminoglycoside therapy.

We continue to promote a number of visiting professorships and are involved in expert panels and invited lectures. Members of our division continue to be involved in the process of setting up national and international courses in advanced vestibular assessment, advanced vestibular rehabilitation and the management of complex neurotological cases. We remain involved in developing innovative educational systems in both vestibular and oculomotor physiology.

We continue to draw clinical fellows and observers from all corners of the world who wish to advance their knowledge of vestibular disorders and to participate in ground breaking clinical based research. The addition of an international visiting scholar will further enhance our international reputation.

# 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 four 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. This academic year has seen the introduction of weekly future directions meeting with representation from surgical oncology, medical oncology and radiation oncology. The goal of these meetings is to develop trials for novel treatment approaches to head and neck cancer.

## 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 patterns of practice and volume outcome studies in head and neck oncology.

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 2014 to 2015 academic year there have been 60 peer reviewed publications published or accepted/in press and \$218,145 in new grant funding received.

The head and neck research program has had the following notable research within the past year:

- Assessment of a novel reconstructive surgical approach for patients with subglottic stenosis and patients requiring cricoid and tracheal resections for cancer using a vascularized composite allograft
- Evaluation of chromatin remodeling genes and outcomes in head and neck cancer
- Biomarkers predictive of matted nodes and outcome in patients with oropharynx cancer
- Biomarkers predictive of outcomes in oral cavity cancer
- Cost-effectiveness evaluation of nerve monitoring during thyroidectomy
- Cost-effectiveness in melanoma prevention through the banning of tanning bed use in minors
- A prospective evaluation of functional outcomes of elderly patients undergoing head and neck surgery
- Assessment of variations in adherence to guideline recommended processes of care in head and neck cancer patients in Ontario
- Prospective evaluation of quality of life following open and endoscopic skull base surgery
- Assessment of the impact of diabetes and metformin on head and neck cancer related outcomes
- Development of radiolucent mouth retractor and creation of an image guidance system for transoral robotic surgery

In addition to the above mentioned work in the past year the Head and neck site group at the Princess Margaret Cancer Center, has had great research output. The following are selected highlights:

- Proposal for significant modification of the traditional TNM stage classification and prognostic grouping for oropharyngeal cancer (OPC), if it is caused by HPV (J Clini Oncol 33:836-845, 2015). It offers a more personalized approach to predict outcomes and guide treatment. This work has been immediately noticed by oncology community.
- Prognostic value of pretreatment circulating neutrophils, monocytes, and lymphocytes in oropharyngeal cancer stratified by HPV status" (published in Cancer. 121:545-55, 2015) provided an insight on complicated interaction between the host immune system, HPV-related OPC, and treatment outcomes.
- Differential impact of Cisplatin dose intensity on HPV-related and HPV-unrelated locally advanced head and neck cancer. We found that cisplatin dose intensity ≤ 200 mg/m2 had a detrimental impact on overall survival in HPV-LAHNSCC pts. The impact of CDDP dose intensity on HPV+ pts was not significant.
- Analysis of the pattern of failure and natural course following failure after definitive (chemo-) radiotherapy in HPV-related [HPV(+)] and HPV-unrelated [HPV(-)] oropharyngeal cancer (OPC). We found that there is a differing natural course following disease failure in HPV(+) and HPV(-) OPC. A longer survival in HPV(+) pts is observed in almost all subsets compared to their HPV(-) counterparts. In HPV(+) pts, delayed distant failures are a feature with 22% distant metastasis presenting after 2 years of follow up.
- Assessment of survival in HPV-related head and neck cancer patients following positive postradiation planned neck dissection (Head Neck 37:946-52, 2015). We found that HPV related HNC patients with residual neck disease represent a less favorable biologic subset of the HPV related HNC population and have poor survival. However, they generally still live longer than their HPV unrelated counterparts.

• Evaluation of outcomes of surgical salvage for recurrent oropharyngeal cancer. We found that surgical salvage for oropharyngeal SCC after failure of radiotherapy (+/- chemotherapy) is feasible. Patients who may benefit from surgery include those without regional recurrence and/or those in whom negative margins can be obtained. The p16 status did not seem to have prognostic impact in the salvage setting (Head Neck. In-press, 2015).

Our site group has been involved in international collaboration of clinical trials. There are 2 trials recently open in our centre: NRG-HN002 and EORTC 1219 trial. The NRG-HN002 is targeting low-risk p16-positive, non-smoking associated HPV-related oropharyngeal cancer which seeks to define new, less-intensive treatment options for this patient population. EORTC1219 will test whether the hypoxic radiosensitizer nomorazole in combination with radiation could improve outcome of HPV/p16 negative head and neck squamous cell carcinoma. Our group is also in the process to be involved in the ORATOR trial testing the role of trans-oral robotic surgery (TORS) in management of T1-T2 oropharyngeal cancer. Currently we are designing a trial on identifying primary origin using TORS and exploring reduction of radiotherapy volume for unknown primary cancers of the head and neck.

## Sinai Health System

## Rhinology/Skull Base Research Ian Witterick, Allan Vescan, John de Almeida

There are ongoing clinical research projects in rhinology and the skull base program. These include:

- Development of quality indicators for chronic rhinosinusitis
- Virtual reality simulators (Neurotouch) with validation trials
- Virtual reality sinus simulators to establish learning curves
- Clinical research in skull base surgery including juvenile nasopharyngeal angiofibroma experience and validation of the skull base inventory quality-of-life instrument
- Ongoing prospective clinical trial comparing patients on medical therapy versus surgical therapy for chronic rhinosinusitis
- A ten year outcomes study of non-squamous cell sinonasal malignancies

Education research continues with the OtoSim<sup>TM</sup> in undergraduate medical education as well as the development of quality and safety measures for our specialty.

## Head & Neck Oncology Research Ranju Ralhan, Ian Witterick, Paul Walfish, Jeremy Freeman, Allan Vescan and John de Almeida

Our head and neck oncology group has focused on preclinical research for translation of proteomic biomarkers for improved diagnosis and prognosis of disease. Our major thrusts are to gain insight into the molecular basis of development of oral pre-cancer and its progression to frank cancer as well as

identifying new drugs for personalized patient care. The major themes are:

- Preclinical validation of protein biomarkers for predicting oral pre-malignant lesions at high risk of cancer development and prognostic molecular signatures for stratifying oral cancer patients at risk of disease recurrence.
- 2. Two novel anticancer agents identified in high-throughput chemical libraries screens were tested for *in vitro* and *in vivo* pre-clinical efficacy using indigenously established experimental models of oral cancer for potential use for molecular therapeutics.
- 3. Validation of novel potential therapeutic molecular targets for head and neck cancer identified by proteomics.
- 4. Understanding the molecular mechanisms involved in malignant transformation of oral epithelial dysplasia.

Our laboratory successfully verified the potential of a panel of five protein biomarkers for predicting the risk of oral cancer development in patients with oral dysplasia. Identification of the disease in early stages will reduce cost and co-morbidity related to cancer treatment. The protein expression based risk model developed for prediction of recurrence risk in oral cancer patients was validated in an independent external cohort. External validation of the prognostic signature also confirmed our biomarkers panel for identifying aggressive cancer cases at high risk of recurrence as a step forward towards personalized medicine. The indigenous experimental models provide a unique opportunity for unraveling the molecular mechanisms underlying malignant transformation of oral dysplasia. Two novel small molecule inhibitors identified in chemical screens were validated for in vitro and in vivo pre-clinical efficacy and the mechanism of action of these drugs is under investigation.

## Endocrine Oncology Research Ongoing basic science studies (Ra

## Ongoing basic science studies (Ranju Ralhan, Paul Walfish, Jeremy Freeman, Ian Witterick, Allan Vescan)

We are developing quality indicators for well-differentiated thyroid cancer and medullary cancer. We are also evaluating our experience with thyroglobulin levels obtained from lymph node fine needle aspiration biopsies and looking at the utility of serial ultrasound imaging of thyroid nodules followed over an extended period of time.

We are developing clinically integrated diagnostics for thyroid cancer with two major themes:

- 1. Use of protein biomarkers for predicting aggressive thyroid cancers and molecular signature for distinguishing benign from malignant thyroid nodules in ultrasound guided fine needle aspiration biopsies to improve surgical selection.
- 2. Reference clinical database set up for cataloging the clinical course in different subtypes of thyroid cancer and correlating pre-operative FNA cytology with final surgical pathology.

Accurate identification of benign from malignant thyroid tumours prior to surgery poses a major challenge. Our research focused on identification of a biomarker signature based on alterations in expression analyses of a panel of proteins identified by secretome proteomics that will have the potential to more accurately distinguish between thyroid benign nodules and cancers in needle biopsies prior to surgery than the currently used cytology. A panel of protein biomarkers identified using proteomics and immunohistochemistry in our laboratory can accurately distinguish between thyroid benign nodules and cancers. We are evaluating the potential of these protein biomarkers in thyroid fine needle aspiration biopsies (FNAB) to strengthen the cytopathologic evaluation for diagnosing cancer with minimal invasive procedures. The ultimate goal is accurate stratification of benign thyroid nodules that will spare these patients from surgery.

In our laboratory, we are also developing novel methods of serum thyroglobulin quantification in

thyroid cancer patients with elevated thyroglobulin auto-antibodies using mass spectrometry.

We have established one of the largest clinical databases that have been developed for cataloging the clinical course in different subtypes of thyroid cancer. This database will also be useful for comparing the current pre-operative ultrasound and FNAB cytology based diagnosis with the final surgical pathology. It will therefore serve as a unique invaluable resource for comparative evaluation of new molecular diagnostic techniques with the current cytology based diagnostics to improve future surgical selection of patients for hemi-thyroidectomy vs total thyroidectomy and distinguishing benign from malignant thyroid nodules by pre-operative FNAB techniques.

## St. Michael's Hospital

Research activity at St. Michael's Hospital continues to focus on the upper airway in Laryngology and Rhinology emphasized under the leadership of Dr. Jennifer Anderson and Dr. John Lee.

Of particular note, we wish to welcome William To, our new research assistant who has been very involved in our endeavours and instrumental in setting up the new nasal physiology laboratory.

## Voice and Upper Airway Laboratory Jennifer Anderson

A new project to develop a microlaryngeal surgical simulator was initiated by Dr. Theresa Holler and Dr. Jennifer Anderson. A pilot project was conducted during the laboratory session of the Fifth Toronto Voice Course which was successfully held this year in February. Two grants have been awarded for the project including \$12,000 from St. Michael's Hospital Alternate Funding Plan Innovation Grants, and a second submitted by one of our residents, Dr. Kayvan Nateghifard for \$5000 from the Harry Barberian awards. The simulator is to be further tested during laryngology core sessions this fall.

In the voice laboratory, we are in the middle of data collection for a combined project with the Faculty of Music on the effects of external vibration on singers and muscle tension dysphonia. This project is led by Dr. Jennifer Anderson along with Mary Enid Haines from the Faculty of Music and both speech pathologists from St. Michael's Hospital; Marta DeLuca and Gwen Merrick are involved.

Dr. Tulika Shinghal, a University of Toronto graduate and the Laryngology fellow this year, participated in several projects. Dr. Shinghal presented the results of a medical imaging study on the 'Effects of Medialization Thyroplasty on Airway Anatomy: Cadaver Model' at COSM in Boston 2015 and the resulting manuscript has been accepted for publication in the Journal of Voice.

A related study was completed on 'Evaluation of a predictive model for silastic implant design' which was presented at the Voice Symposium in Philadelphia in June 2015 and the work is in the manuscript preparation phase.

Dr. Shinghal also presented a poster on 'Safety of Outpatient Thyroidectomy' at the Canadian Society of Otolaryngology-Head & Neck Surgery meeting in Winnipeg in June 2015.

## Rhinology Research John Lee

The past year has been an exciting year of rhinologic research at SMH. At the American Rhinologic Society Meeting at COSM, we presented the first study to demonstrate a correlation between nNO levels and the health of sinus mucosa in patients with nasal polyposis. With a recent publication in the International Forum of Allergy and Rhinology, we hope to build on this exciting data with a translational research project with one of our basic science colleagues at SMH. This study will be spearheaded by our resident, Dr. Jonathan Yip and supported by a Harry Barberian Grant.

At the Canadian Society of Otolaryngology-Head & Neck Surgery annual meeting, Dr. Gordon Tsang was chosen to present at the Poliquin Resident's competition on his study investigating the psychological morbidity of waiting for sinus surgery. Using a mixed methods approach, we hope that the results of this paper will provide further insight into how our patients experience this illness and its subsequent treatment.

A number of multi-institutional studies have been ongoing this past year with a range of topics including inverted papillomas, csf leaks, and the management of epistaxis in HHT patients. There are always a number of opportunities for residents to participate if they are interested.

Finally, we are excited to announce that the nasal physiology laboratory is up and running at SMH. We are currently piloting patients with various rhinologic conditions through measurements of nasal airflow, resistance, and olfaction. We hope to add a portable nNO detector to this lab in the near future. A special thanks to William To, our new research coordinator, who has been instrumental in getting this lab off the ground.

# Sunnybrook Health Sciences Centre

# Auditory Development, Protection & Regeneration Alain Dabdoub

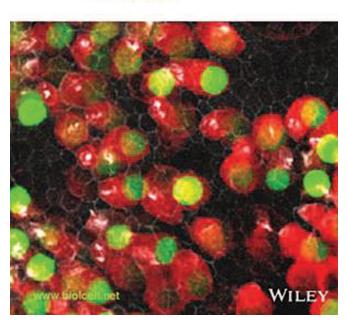
Hearing loss is mainly caused by damage to inner ear auditory hair cells – cells that detect sound, or auditory neurons – cells that connect the hair cells to the brain. Humans do not regenerate these cells, thus leading to permanent hearing loss. The goal of our group is to understand how these cells are generated during development to guide their strategies for regeneration to ameliorate hearing impairment. Hearing loss due to aging, noise, or ototoxic drugs is the fastest growing and one of the most prevalent chronic conditions facing millions of Canadians today. Our efforts are focused on discovery-driven and translational research to develop methodologies that could be used for the treatment of hearing loss.

## Some of our accomplishments this year: PUBLICATIONS:

Mulvaney, JF, Amemiya, Y, Freeman, S, Ladher, R, and **Dabdoub, A.** (2015). Molecular cloning and functional characterization of chicken Atonal homologue 1: a comparison with human Atoh1. *Biology of the Cell.* 107(2):41-60.

Journal Cover





Ectopic hair cells (marked with anti Myosin7a in red) induced by chicken Atoh1 (marked by a nuclear GFP reporter in green) displaying stereocilia (marked in white with phalloidin).

Mulvaney, JF, and **Dabdoub, A.** (2014). Long-term time lapse imaging of mouse cochlear explants. *Journal of Visualized Experiments.* 93:52101.

Link to instructional video: click here

Nishimura, K, Weichert, RM, Liu, W, Davis, RL, and **Dabdoub, A.** (2014). Generation of induced neurons by direct reprogramming in the mammalian cochlea. *Neuroscience*. 275:125–35.

Shi, F, Lingxiang, H. Jacques, B, Mulvaney J, **Dabdoub, A,** and Edge AS. (2014). Bcatenin is required for hair cell differentiation in the cochlea. *Journal of Neuroscience*. 34:6470-6479.

## **Books and Chapters**

The Primary Auditory Neurons of the Mammalian Cochlea. (2015). Editors: **Dabdoub, A,** Fritzsch, B, Popper, AN, and Fay, R. Springer Handbook of Auditory Research, New York. *In press.* 

The objective of this book is to provide a conceptual review on auditory neurons, elucidate and characterize their development, their environment, their electrophysiological characteristics, their connectivity to their targets in the inner ear and the brain, and discuss the potential for their regeneration.

**Dabdoub, A,** and Fritzsch, B. (2015). Connecting the inner ear to the central auditory system: molecular development and characteristics of the primary auditory neurons and their network. Chapter in: *The Primary Auditory Neurons of the Mammalian Cochlea*. Edited by: Dabdoub, A, Fritzsch, B, Popper, AN, and Fay, R. Springer, New York. *In press*.

### **Podium Presentations**

**Dabdoub, A.** Wnt4 signaling inhibits hair cell formation in the developing mammalian cochlea through the non-canonical Wnt/calcium/PKC pathway. *Inner Ear Biology Meeting* 2014.

Mulvaney, JF, Amemiya, Y, Freeman, S, Ladher, R, and **Dabdoub, A.** Cloning and characterization of full-length chicken Atonal homologue 1. *Association for Research in Otolaryngology* 2015.

Nishimura, K. and **Dabdoub, A.** Induction of auditory neurons in cochlear endogenous cells in the mammalian cochlea. *Inner Ear Biology Meeting* 2014.

## **Funding**

Hearing Health Foundation (USA). Expression of Wnt pathway molecules and potential to stimulate hair cell regeneration. Co-PI with Dr. Albert Edge, Harvard Medical School. \$121,000 USD.

## Cochlear Implant Research Vincent Lin, Julian Nedzelski, Jospeh Chen

We have just published a paper in Hearing Research looking at the effects of corticosteroid responses in guinea pigs implanted with CI electrodes. Our data suggest that long pre-treatments with corticosteroids appear to have a protective effect in the spiral ganglion counts in the basal turn of our animals. Furthermore, fibrosis around the electrode as determined on H&E staining is less with the long pre-treatment arm and this may translate to lower impedences similar to our human findings. We are now well into the second phase of this study, examining the effectiveness of drug eluding electrodes in guinea pigs.

Another line of research we have begun recently involves attempting to elicit a dependable c-VEMP response in our guinea pigs in preparation for further studies looking at vestibular protection during cochlear implantation.

## Neurotology & Otology Research Joseph Chen, Julian Nedzelski, Vincent Lin

## **Ageing**

We continue to have multiple projects looking at the ageing auditory system. Our largest project is the MoCA study, a collaboration between our department and neurology. Our aim is to validate a

hearing impaired version of the MoCA (Montreal Cognitive Assessment) through 2 control arms (normal cognition +/- hearing loss) and 1 arm with confirmed mild cognitive impairment. Early results are showing significant correlations between our hearing impaired version and the original version, for both control groups. This project is ongoing; we have multiple international collaborations ongoing.

A second line of research that is in its early stages examines the effects that cochlear implantation has on the partners and spouses of cochlear implant recipients. We have a paper that has been provisionally accepted for publication in CI International, with our data indicating that partners of CI recipients experience significant improvements in quality of life post-CI implantation. We are currently expanding the testing groups to other family members, friends, and caregivers.

#### Vestibular

This line of research involves the characterization of novel clinical vestibular testing tools in patients undergoing cochlear implant to determine how this system changes with intervention. Subjective visual vertical, vHIT, and newer vestibular tests are being done longitudinally on our patients. We are finding some novel changes and ultimately these tests will become standard of care in our pre-implant patient test battery.

## **CI Programming Methodology**

This relatively new line of research evaluates the speech perception outcomes of a program created using a remote controlled programming methodology versus a program created using the standard of care software. The outcomes of this research should lend us greater insight into ways to improve the speed and efficacy of the creation of programs for our patients.

## Unilateral CI with CROS microphone study – Phase 3

Our collaboration with industry continues in this line of research, with an updated wireless prototype, examining the utility of a combined contralateral microphone with a unilateral implant for improving speech perception in the presence of background noise.

#### Music

MusicEAR rehabilitation studies continue as our pilot data, presented at the CI International conference in Munich in June of 2014, demonstrated significant improvements in music and speech perception, as well as music appreciation, following 1 month of active rehabilitation. We continue to accrue patients for this project as we are in the early stages of a randomized controlled follow-up study, and are in collaboration with the faculty of music and auditory verbal therapists to develop a new paradigm of post-intervention therapy.

#### **Structural Preservation**

We have completed our clinical trial investigating different pre-operative and intraoperative dosing of corticosteroids to determine their effect on hearing preservation. Our 12 months of serial measurements are indicating that pre-operative treatment does reveal lower electrode impendences and eCAP slope differences which may be suggestive of improved structural preservation. We are also seeing improved hearing preservation rates and pure tone averages over time in our preliminary analyses. This data will be finalized and presented at the CI International conference in Toronto in 2016.

## **Outcomes Research**

Acoustic Neuroma research continues in our department, with our current line of collaboration with Neurology and Radiology retrospectively examining whether irradiation effectively inhibits tumor growth over a minimum post-treatment interval of 5 years.

We are also collaborating with the department of Neuroradiology to examine the utility of MRI tractography to help predict intraoperative facial nerve location.

## **Electrophysiological Research**

Electrocochleographic measurements are continuing to show promise as predictors of outcome. Our current work uses a post-operative acoustically evoked cochlear microphonics measurement taken through the most apical cochlear implant electrode. Preliminary results are indicating significant correlations between magnitude of cochlear microphonic responses and speech perception.

## Head & Neck Research Danny Enepekides, Kevin Higgins

#### Motor and Sensory Donor Site Morbidity Associated with the Anterolateral Thigh Perforator Flap: A pilot study.

Authors: Christopher Noel, BSc, Kevin Higgins MD, Danny Enepekides MD, Fayzullo Sultanov MD. Current status: Manuscript will be submitted for publication in summer 2015.

#### Do Information Pamphlets Improve Postoperative Risk Recall.

Authors: Hussain Alsaffar MD, Kevin Higgins MD, Danny Enepekides MD, Fayzullo Sultanov MD. Current status: Manuscript has been submitted for publication.

#### Management of Pulmonary Symptoms Following Laryngectomy and Tracheoectomy Using Provox® Heat and Moisture Exchangers (HMEs): A pilot study.

Authors: Robert De Santis Bsc, Kevin Higgins MD, Andrew Foreman MD, Danny Enepekides MD, Fayzullo Sultanov MD.

Current status: Manuscript will be submitted for publication in summer 2015.

#### Tissue Bioengeneering of Cartilage Grafts.

Authors: Kevin Higgins MD, Stephen D. Waldman P.Eng, Stanley Liu MD.

Current status: Study is still in the data gathering stage.

## Staging Nonmelanoma Skin Cancer Metastasis to the Parotid Gland Study.

Authors: Lukasz Czerwonka MD, Kevin Higgins MD, Danny Enepekides MD.
Current status: CAHNS collaborative project with UHN, data gathering is complete. Manuscript is planned during the summer 2015.

## Surgeon Performed Ultrasound Guided FNAB with Report of Learning Curve.

Authors: Fernandes VT MD, Kevin Higgins MD, Danny Enepekides MD.
Current status: Manuscript is planned during the

summer 2015.

Diagnostic Performance of Perfusion and Diffusion MR Imaging to Detect False Positive Cases of 18F FDG-PET-CT in Patients with Head and Neck Squamous Cell Carcinoma after Definitive Treatment.

Authors: Michael Chan MD, Kevin Higgins MD, Jabehdar Maralani Pejman MD. Current status: Study is in the data gathering stage.

A Single-Center, Nonrandomized, Single-Group Pilot Study of the Feasibility of Contrast-Enhanced Ultrasound for the Detection of Sentinel Lymph Nodes in Cutaneous Melanoma of the Head and Neck.

Authors: Kevin Higgins MD, Andrew Foreman MD, Danny Enepekides MD, Fayzullo Sultanov MD. Current status: This is a pilot study. Data gathering will begin shortly.

## Analysis of HAAH Expression as a Proteomic Marker of Thyroid Malignancy.

Authors: Danny Enepekides MD.
Current status: The study is currently underway and data analysis will begin shortly.



# Humanitarian Outreach

### Canada International Scientific Exchange Program (CISEPO)

### Arnold Noyek, OC, MD, FRCSC, FACS

July 2014 - June 2015 has been a transformative year in the 35 years of sustainable international outreach and capacity building of the Canada International Scientific Exchange Program (www.CISEPO.ca), a Canadian registered charitable nongovernmental volunteer organization and its variety of international programs linked as 'Olympic rings'. Much of our reputation on the world scene has been garnered from our work in bringing together Canadians, Israelis, Jordanians and Palestinians, under a Canadian umbrella in an academic setting through a variety of education, research, training, telehealth activities and projects on the ground. Our work has built infrastructure and networks of peaceful professional cooperation successfully across borders and specifically across the Arab and Israeli frontier as previously reported. What has been established is unique as a programmatic model on the world scene and is proof of concept that building networks of peaceful professional cooperation can be used to bring institutions and individuals and communities together in the health sector for common good while building tolerance, mutual respect and durable personal relationships where such could not have existed before. The leading example of CISEPO's efforts has been in universal newborn hearing screening, rehabilitation and family support as demonstrated in these pages previously; a Canadian public health movement has now been firmly established with between 20 and 25 million babies having been screened and fixed as required globally beyond our Canadian and Middle East dimensions as noted previously.

This past year has seen us take our place on the global world stage with academic and service programming reaching 40 countries with distance education under CISEPO and the University of Toronto implementing telehealth productions for knowledge transfer, thus becoming our most formidable tool from our Canadian base and a world

exemplar. This is the springboard for future programming with CISEPO becoming the on the ground mechanism for delivering capacity building and the addressing of public health issues on a country by country needs basis in this bi-level approach. Our approach continues to draw attention at international conferences and from governments for its unique success and its essential growth capacity. All of this of course is based at the University of Toronto, the Dalla Lana School of Public Health, York University and other institutions across our country who provide leading healthcare experts, projects and systems development with an emphasis on continuing professional development.

Though it is beyond the intention of this report to detail all these capacity building activities our infrastructure in telehealth have grown substantially under the leadership of our world telehealth pioneer and CISEPO vice chair Tim Patterson to over 1000 television quality production hours per year with global scope. Our on the ground training, education and community service projects, have new domestic and global footholds ranging from Tunisia, to Kenya, to Russia, to South Africa and far beyond under the creative leadership of our full-time CISEPO director, Dr. Shawna Novak. Professor Harvey Skinner, CISEPO Chair and Dean of Health at York University has built our connections with India and more. Dr. Abi Sriharan, with her Oxford DPhil, has brought new dimensions to our global education approaches. Our multidisciplinary approach is evident throughout all our activities in the health sciences. For example international recognition has come to our work in brain health with project activity in neurosurgery for childhood epilepsy with the division of neurosurgery at the University of Toronto and our work on dementia with the Baycrest Centre. Fellowship training programs, for example with Sunnybrook Health Sciences Center move forward in cochlear implants and in high risk pregnancies. Senior medical student electives in international pediatric emergency medicine continue HUMANITARIAN OUTREACH 145

into their 15<sup>th</sup> year with University of Toronto accreditation spanning all the medical schools across our country. The Dr. Arnold M Noyek OC Legacy Fund continues to support student scholarships in telehealth for the faculty of medicine and the Dalla Lana School of Public Health as well as the activities of the global telehealth suite for our department and the university at Mount Sinai Hospital.

Our continued commitment to mother, newborn and child health and issues globally remains at the forefront of our mission.

We are grateful for the academic and cooperative relationship shared within our department and the university and all other academic and service partners broadly. Stay tuned!

### Face the Future<sup>™</sup> Foundation

### Dr. Peter Adamson, MD, FRCSC, FACS

The Face the Future<sup>TM</sup> Foundation is now in its 19th year of its mission to provide medical care to children and young adults suffering from facial and other physical deformities. Since its inception Dr. Adamson, as president and founder, has led 29 missions with teams ranging from 1 to 16 members to countries with less healthcare resources than ours.

The missions are established through partnerships not only with local surgeons, but also with the hospitals, ministries of health and other community leaders. The goals include not only providing consultative and surgical services, but also teaching surgeons, nurses and paramedical staff so that capacity can be built locally. The foundation commits to creating a long-term relationship, meeting needs identified by the local surgeons and other healthcare providers. Most of our team members commit to joining a mission for several years. In this way collegiality, trust and friendships are built such that progress is enhanced.

In September, 2014, the foundation supported a oneman visit by Dr. Kofi Boahene to the Rwandan Military Hospital (which is also a public hospital) in Kigali to work with its Chief of Plastic Surgery, Dr. Charles Furaha. The two know each other well, as Dr. Boahene has been on two previous missions. He also led our team of 12 for its third major mission in February 2015. Thirty-nine consultations were performed and 28 complex surgeries completed. These included total nasal and maxillofacial reconstructions, massive tumor ablations, burn scar revisions and 6 free flaps for facial reconstruction. All of the latter were performed with loupes only (the single operating microscope, decades old, was broken) and all were successful. Our team consisted of six facial plastic surgeons, five anesthesiologists (one specializing in ICU and postoperative care) and one scrub nurse. They came from Johns Hopkins University, Baylor University, Regensburg University in Germany and the University of Toronto.

In April, 2015 Dr. Alex Rabinovich, an oromaxillofacial surgeon from San Francisco, was joined by an oculo plastic surgeon and facial plastic surgeon from New York at the Bonum Center Pediatric Hospital in Ekaterinburg, Russia. During the week they saw 70 patients in consultation, operated on 38 patients, and gave lectures which complemented their intraoperative teaching. The foundation has been supporting missions to the Bonum Center, the earlier ones in association with the Face-to-Face Foundation of the American Academy of Facial Plastic and Reconstructive Surgery, since 1996.

The foundation's fourth mission of the year was its fourth major mission to Ulyanovsk, Russia in June 2015. Ulyanovsk is about 600 miles southeast of Moscow, where the team works with surgeons at the Ulyanovsk Regional Pediatric Hospital. The team of 10 consisted of two facial plastic surgeons, a pediatric laryngologist, two pediatric general surgeons, two pediatric urologists, a scrub nurse, an administrator and one of our own PGY4 residents, Dr. Nikolaus Wolter. The surgical team had members from Baylor University and the University of Toronto. Altogether the team saw 52 consultations and performed 18 surgeries in addition to intraoperative and didactic teaching.

Financial support for the foundation's work is provided through funds originally donated by one of Dr. Adamson's patients. Additional funds are raised annually through a dinner and auction event, this year held May 26 at The Granite Club. In addition to the 90 guests who attended, many other friends of the foundation contributed either auction items or financially to support the missions. At least two missions are being planned for the coming year, along with a pilot mission to Chiclayo, Peru to assess their stated need for craniofacial surgery.

Additional information is available at <a href="http://www.facethefuturefoundation.ca">http://www.facethefuturefoundation.ca</a>

# Publications

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ADAMSON, P 2015 May	Videos on Lateral crural steal, Columellar strut, Intermediate crural mattress sutures. AAFPRS Advances in Rhinoplasty 2015 Course, Chicago, Illinois.
<b>FOX, R</b> 2014	Website presentation - Association of Hearing Instrument Practitioners CME project. Association of Hearing Instrument Practitioners.
<b>NG, R</b> 2015 Jun	Health Awareness Day. "Walking With You" Cancer Caring and Support Group! Mary Ward Catholic Secondary School, 3200 Kennedy Rd, Scarborough, Ontario.
2015 May	Richmond Hill Christian Community Church & Yee Hong Center for Geriatric Care. Nasopharyngeal Cancer & Early Detection Technology. Richmond Hill, Ontario.
2015 Mar	Yee Hong Centre for Geriatric Care & Ontario Central – LHIN. Series of NPC and Colon Cancer. Nasopharyngeal Cancer & Early Detection Technology. Richmond Hill, Ontario.
2015 Jan	Omni News – TV interview. Nasopharyngeal cancer and detection.
2015 Jan	AM 1540 – radio show interview. Nasopharyngeal cancer and detection.
2015 Jan	AM 1430 – radio show interview. Nasopharyngeal cancer and detection.
2015 Jan	Sing Tao Daily – radio show interview. Nasopharyngeal cancer and detection.
2015 Jan	World Journal – radio show interview. Nasopharyngeal cancer and detection.
2015 Jan	North York Chinese Baptist Church & Yee Hong Center for Geriatric Care. Nasopharyngeal Cancer & Early Detection Technology. Toronto, Ontario.
2014 Oct	AM 1430 Radio Station – Partnership with Hong Fook Mental Health Association & HF Connecting Health Nurse Practitioner-Led Clinic. Thyroid Cancer – Surgical Treatment Approach. Markham, Ontario.
TORGERSON, C	
2015 Apr	Patient Teaching Videos: About Facial Plastic Surgery, Rhinoplasty, Revision Rhinoplasty, Non-Surgical Rhinoplasty, Blepharoplasty, Neograft Hair Transplant, Facelift, Mini Facelift, Necklift, Neck Liposuction, Dermal Fillers, CO2 Laser Skin Resurfacing, Chin Implant Surgery, Otoplasty.
2014 Oct	Patient Teaching Video: Does Looking Good Matter in the Job Market?, Social Media Effects on Body Image, How to Prepare Yourself for Cosmetic and/or Surgical Procedures, GliSODin Skin Nutrients.

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### **Pediatric Dentistry**

Rukavina J, Propst EJ, Ngan B, Nainar SM.

Cervical Lymphadenopathy in Young Children: Case report of nontuberculous mycobacterial infection.

Pediatric Dentistry. 2014 Sep 1;36(5):417-21. Coauthor or Collaborator.

### **Pediatric Radiology**

Yikilmaz A, Ngan BY, Navarro O.

Imaging of Angiomatoid Fibrous Histiocytoma in Children With Pathological Correlation.

Pediatric Radiology. 2015 Jun 11. Coauthor or Collaborator.

### **Pediatric Surgery**

Loverdos I, Swan MC, Shekherdimian S, Al-Rasheed A, Schneider R, Fish JS, Ngan BY, Adeli K, Lowe ME, Singh V, Sevilla W, Langer J, Gonska T.

A Case of Pancreatitis, Panniculitis and Polyathritis Syndrome: Elucidating the pathophysiologic mechanisms of a rare condition

Pediatric Surgery. 2015 Apr 16;3(5):2123-226. Coauthor or Collaborator.

### PLoS ONE

Assi J, Srivastava G, Matta A, MacMillan C, Ralhan R, Walfish PG.

Nuclear Ep-ICD Expression is a Predictor of Poor Prognosis in "low risk" Prostate Adenocarcinomas.

(2015) PLoS ONE, 10 (2), art. no. e107586.

Gordon KA, Deighton MR, Abbasalipour P, Papsin BC, Ptito M.

Perception of Binaural Cues Develops in Children Who Are Deaf Through Bilateral Cochlear Implantation Disaccharide Monoesters.

(2014) PLoS ONE, 9 (12).

Steel MM, Papsin BC, Gordon KA.

Binaural Fusion and Listening Effort in Children who use Bilateral Cochlear Implants: A psychoacoustic and pupillometric study.

(2015) PLoS ONE, 10 (2).

### **Prenatal Diagnosis**

Windrim R, Ryan G, Lebouthillier F, Campisi P, Kelly EN, Baud D, Yoo S-J, Deprest J.

Development and use of a HIGH-fidelity Simulator for Fetal Endotracheal Balloon Occlusion (FETO) Insertion and Removal. (2014) Prenatal Diagnosis, 34 (2), pp. 180-184.

### PEER-REVIEWED PUBLICATIONS (continued)

### **Stem Cells**

Deveale B, Bausch-Fluck D, Seaberg R, Runciman S, Akbarian V, Karpowicz P, Yoon C, Song H, Leeder R, Zandstra PW, Wollscheid B, Van Der Kooy D.

Surfaceome Profiling Reveals Regulators of Neural Stem Cell Function.

(2014) Stem Cells, 32 (1), pp. 258-268.

### The Laryngoscope

Arnoldner C, Lin VY, Honeder C, Shipp D, Nedzelski J, Chen JM.

Ten-year Health-related Quality of Life in Cochlear Implant Recipients: Prospective SF-36 Data with SF-6D Conversion. (2014) The Laryngoscope, 124 (1), pp. 278-282.

Arnoldner C, Lin VY, Bresler R, Kaider A, Kuthubutheen J, Shipp D, Chen JM.

Quality of Life in Cochlear Implantees: Comparing utility values obtained through the Medical Outcome Study Short-Form Survey-6D and the Health Utility Index Mark 3.

(2014) The Laryngoscope, 124 (11), pp. 2586-2590.

Bradford CR, Kumar B, Bellile E, Lee J, Taylor J, D'Silva N, Cordell K, Kleer C, Kupfer R, Kumar P, Urba S, Worden F, Eisbruch A, Wolf GT, Teknos TN, Prince MEP, Chepeha DB, Hogikyan ND, Moyer JS, Carey TE.

Biomarkers in Advanced Larynx Cancer.

(2014) The Laryngoscope, 124 (1), pp. 179-187.

Chen JM, Amoodi H, Mittmann N.

Cost-utility Analysis of Bilateral Cochlear Implantation in Adults: A health economic assessment from the perspective of a publicly funded program.

(2014) The Laryngoscope, 124 (6), pp. 1452-1458.

Davies J, Dielic L, Campisi P, Forte V, Chiodo A.

Otoscopy Simulation Training in a Classroom Setting: A novel approach to teaching otoscopy to medical students. (2014) The Laryngoscope, 124 (11), pp. 2594-2597.

De Almeida JR, Byrd JK, Wu R, Stucken CL, Duvvuri U, Goldstein DP, Miles BA, Teng MS, Gupta V, Genden EM. A Systematic Review of Transoral Robotic Surgery and Radiotherapy for Early Oropharynx Cancer: A systematic review. (2014) The Laryngoscope, 124 (9), pp. 2096-2102.

Dixon BJ, Daly MJ, Chan H, Vescan A, Witterick IJ, Irish JC.

Augmented Real-time Navigation With Critical Structure Proximity Alerts for endoscopic Skull Base Surgery. (2014) The Laryngoscope, 124 (4), pp. 853-859.

Dixon PR, Alsaffar H, Symons SP, Enepekides D, Higgins KM.

Neoplastic Meningitis Presenting with Dysphagia and Bilateral Vocal Cord Paralysis.

(2014) The Laryngoscope, 124 (8), pp. 1912-1914.

Eskander A, Irish J, Groome PA, Freeman J, Gullane PJ, Gilbert R, Hall SF, Urbach DR, Goldstein DP. Volume-outcome Relationships for Head and Neck Cancer Surgery in a Universal Health Care System. (2014) The Laryngoscope, 124 (9), pp. 2081-2088.

Grewal AS, Kuthubutheen J, Smilsky K, Nedzelski JM, Chen JM, Friesen L, Lin VYW.

The Role of a New Contralateral Routing of Signal Microphone in Established Unilateral Cochlear Implant Recipients. (2015) The Laryngoscope, 125 (1), pp. 197-202.

Kanotra SP, Propst EJ, Luginbuehl I, Campisi P, Fisher JA, Forte V.

Assessment of aspiration risk from dynamic modulation of endotracheal tube cuff pressure.

(2014) The Laryngoscope, 124 (6), pp. 1415-1419.

Kus LH, Negandhi J, Sklar MC, Eskander A, Estrada M, Harrison RV, Campisi P, Forte V, Propst EJ.

Angiogenesis in Costal Cartilage Graft Laryngotracheoplasty: A corrosion casting study in piglets.

(2014) The Laryngoscope, 124 (10), pp. 2411-2417.

Leung RM, Chandra RK, Kern RC, Conley DB, Tan BK.

Primary Care and Upfront Computed Tomography Scanning in the Diagnosis of Chronic Rhinosinusitis: A cost-based decision analysis.

(2014) The Laryngoscope, 124 (1), pp. 12-18.

Mandal R, Muthukrishnan A, Ferris RL, De Almeida JR, Duvvuri U.

Accuracy of Early-phase Versus Dual-phase Single-photon Emission Computed Tomography/Computed Tomography in the Localization of Parathyroid Disease.

(2015) The Laryngoscope, 125 (6), pp. 1496-1501.

Merdad M, Higgins K, Enepekides D.

In Reference to Vascularized Tissue to Reduce Fistula Following Salvage Total Laryngectomy: A systematic review. (2015) The Laryngescope, 125 (4), p. E157.

Monteiro E, Sklar MC, Eskander A, de Almeida JR, Shrime M, Gullane P, Irish J, Gilbert R, Brown D, Higgins K, Enepekides D, Goldstein DP.

Assessment of the Clavien-Dindo Classification System for Complications in Head and Neck Surgery. (2014) The Laryngoscope, 124 (12), pp. 2726-2731.

Oyewumi M, Inarejos E, Greer M-L, Hassouneh B, Campisi P, Forte V, Propst EJ.

Ultrasound to Differentiate Thyroglossal Duct Cysts and Dermoid Cysts in Children.

(2015) The Laryngoscope, 125 (4), pp. 998-1003.

Propst EJ, Ling SC, Daneman A, Langer JC.

Endoscopic Clip for Closure of Persistent Tracheoesophageal Fistula in an Infant.

(2014) The Laryngoscope, 124 (9), pp. 2182-2185.

Thiel G, Rutka JA, Pothier DD.

The Behavior of Mastoidectomy Cavities Following Modified Radical Mastoidectomy.

(2014) The Laryngoscope, 124 (10), pp. 2380-2385.

Wolter NE, Holler T, Cushing SL, Chadha NK, Gordon KA, James AL, Papsin BC.

Pediatric Ossiculoplasty With Titanium Total Ossicular Replacement Prosthesis.

(2014) The Laryngoscope, 125 (3), pp. 740-745.

### **Therapeutic Drug Monitoring**

Zakova M, Pong S, Trope A, Atenafu EG, Papaioannou V, Bitnun SA, Richardson S, Schwartz S, Cox P, Parshuram C, Seto W. Dose Derivation of Once-daily Dosing Guidelines for Gentamicin in Critically ill Pediatric Patients. (2014) Therapeutic Drug Monitoring, 36 (3), pp. 288-294.

### PEER-REVIEWED PUBLICATIONS (continued)

### **Translational Oncology**

Popovtzer A, Normolle D, Worden FP, Prince ME, Chepeha DB, Wolf GT, Bradford CR, Lawrence TS, Eisbruch A. Phase I trial of Radiotherapy Concurrent With Twice-weekly Gemcitabine for Head and Neck Cancer: Translation from preclinical investigations aiming to improve the therapeutic ratio. (2014) Translational Oncology, 7 (4), pp. 479-483.

### **Trials**

Sawka AM, Straus S, Rodin G, Thorpe KE, Ezzat S, Gafni A, Goldstein DP.

Decision Aid on Radioactive Iodine Treatment for Early Stage Papillary Thyroid Cancer: Update to study protocol with follow-up extension.

(2015) Trials, 16 (1).

### NON-PEER-REVIEWED PUBLICATIONS

### **ENT & Audiology News**

Falls C.

aVOR: An Educational Tool.

ENT & Audiology News, 24(2), 100. 2015.

Falls C.

InvisibleEar: Using Augmented Reality to Learn Temporal Bone Anatomy.

ENT & Audiology News, 24(1), 96. 2015.

Falls C.

LearnENT app – Bringing Otolaryngology to your Mobile.

ENT & Audiology News, 23(6), 96. 2015.

Falls C.

Canopy: A Medical Translation App.

ENT & Audiology News, 23(5), 128. 2014.

Falls C.

A 'Smarter' Personal Amplification Device.

ENT & Audiology News, 25(4), 133-134. 2014.

Falls C.

A 'Smarter' Way to Examine the Ear?

ENT & Audiology News, 23(3), 124-125. 2014.

Falls C.

Shaking the Stigma: Can a 'Made for iPhone' Hearing Aid Change the Way Hearing Aids are Viewed?

ENT & Audiology News, 23(2), 120. 2014.



# Presentations

## Visiting Professorships and Invited Leatures

### **INTERNATIONAL MEETINGS**

Listed by Country

### **AUSTRALIA**

LIN, V

2015 Mar Are there objective measures of neural function that can be used to distinguish the above-average

cochlear implant user? Australian Society of Otolaryngology/Head & Neck Surgery. Sydney, Australia.

Presenter(s): Jafri Kuthubutheen, Vincent Lin.

2015 Mar The effect of cochlear duct length on electrode insertion and hearing outcomes in cochlear implantation.

Australian Society of Otolaryngology/Head & Neck Surgery. Sydney, Australia. Presenter(s): Jafri

Kuthubutheen, Vincent Lin.

2015 Mar The use of steroids in hearing preservation cochlear implantation - preliminary results of a randomized

controlled trial. Australian Society of Otolaryngology/Head & Neck Surgery. Sydney, Australia. Presenter(s):

Jafri Kuthubutheen, Vincent Lin.

### **BRAZIL**

### ADAMSON, P

2014 Nov

Invited International Faculty. 1. The future of facial plastic surgery; 2. Patient selection for rhinoplasty; 3. Lessons learned from revision rhinoplasty 4. Management of the nasal pyramid and crooked nose; 5. The graduated facelift; 6. Aesthetic otoplasty. 44<sup>th</sup> Annual Congress of the Brazilian Society of

Otolaryngology and Facial Plastic Surgery. Porto Alegre, Brazil.

### WITTERICK, I

2015 May 1

Invited Lecturer. 1. Aspects of training for extended endoscopic approaches, panel nasal and sinus malignancies; 2. Moderator skull base morning lecture series; 3. Sunset debate - Malignancies of the sinus and skull base: How to manage it. 16th World Congress of Rhinology. Sao Paulo, Brazil. Presenter(s): Witterick IJ.

### **CANADA** (International Meetings in Canada)

### **CUSHING S**

2014 Oct 16 Facilitator. Open Papers 1. 8th International Symposium on Objective Measures in Auditory Implants.

Toronto, Ontario. Presenter(s): Cushing SL, Dillier N. Free Paper Session.

### JAMES, A

2014 Oct Moderator. The unique implant. 8th International Symposium on Objective Measures in Auditory Implants.

Toronto, Ontario. Presenter(s): James A.

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### INTERNATIONAL MEETINGS (continued)

<b>LIN, V</b> 2014 Oct	Invited Speaker. Cochlear implantation on the medically complex patient: Medical and surgical considerations. 8th International Symposium on Objective Measures in Auditory Implants, University of Toronto. Toronto, Ontario. Presenter(s): Vincent Lin.
2014 Oct	Objective assessment of preoperative steroids on hearing preservation cochlear implantation. 8th International Symposium on Objective Measures in Auditory Implants, University of Toronto. Toronto, Ontario. Presenter(s): Jafri Kuthubutheen, Vincent Lin.
2014 Oct	Measuring the cochlear duct length and its effect on electrode placement and outcomes. 8th International Symposium on Objective Measures in Auditory Implants, University of Toronto. Toronto, Ontario. Presenter(s): Jafri Kuthubutheen, Vincent Lin.
2014 Oct	Relating objective measures of auditory function to behavioural speech outcomes among high level adult performers with the MED-EL flex electrode. 8th International Symposium on Objective Measures in Auditory Implants, University of Toronto. Toronto, Ontario. Presenter(s): Jafri Kuthubutheen, Vincent Lin.
WITTERICK, I 2015 May 29	Invited Lecturer. Head & Neck Cancer: What the Clinician Wants. International Society for Magnetic Resonance in Medicine (ISMRM). Toronto, Ontario. Presenter(s): Witterick IJ.

### **CHINA**

CHINA	
LIN, V	
2015 May	Development of a cognitive screening test for the severely hearing impaired: 2015 update. Asia Pacific Symposium on Cochlear Implants and Related Sciences. Beijing, China. Presenter(s): Vincent Lin.
2015 May	Patients with Cochlear implants demonstrate a substantial rise in personal income. Asia Pacific Symposium on Cochlear Implants and Related Sciences. Beijing, China. Presenter(s): Vincent Lin.
2015 May	Cochlear implantation in adults with hearing exceeding current candidacy criteria: Using the Med-EL FlexSoft Electrodes. Asia Pacific Symposium on Cochlear Implants and Related Sciences. Beijing, China. Presenter(s): Vincent Lin.
2015 May	Bilateral cochlear implants in patients with two different manufacturers. Asia Pacific Symposium on Cochlear Implants and Related Sciences. Beijing, China. Presenter(s): Kari, Smilsky, Vincent Lin.
PAPSIN, B	
2015 May 1	The importance of newborn screening and early intervention. Cochlear Asia-Pacific Symposium on Hearing Loss and Rehabilitation. Beijing, China. Presenter(s): Blake Papsin.
2015 May 1	Keynote Lecturer. Is there a sensitive period for habilitating asymmetric hearing loss in children. 10th Asia-Pacific Symposium of Cochlear Implants and Related Sciences (APSCI). Beijing, China. May 1 - 3, 2015. Presenter(s): Blake Papsin.
2015 May 1	Invited Faculty Lecturer. 1. Electrophysiologic prediction of map parameters using 422/contour electrode arrays; 2. What bilateral CI taught us about the developing brain; 3. Complicated cochlear re-implantation; 4. Stabilization of balance using head referenced cochlear stimulation. 10th Asia-Pacific Symposium on Cochlear Implants and Related Sciences (APSCI). May 1 - 3, 2015. Presenter(s): Blake Papsin.

### **INTERNATIONAL MEETINGS (continued)**

Invited Faculty. Fully awakening the auditory system: Neuroprosthetic restoration of the sense of audition 2015 Apr 29

in deaf children. Osborne College of Audiology, Salus University, Workshop on Hearing Assessment and

Rehabilitation in Children. Beijing, China. Presenter(s): Blake Papsin.

SMILSKY, K

2015 Apr 10th Invited Speaker. The MedEl SONNET: Early Fitting Experiences. Asian Pacific Symposium on Cochlear

Implant and Related Sciences, Beijing, China.

### **COLUMBIA**

### **ENEPEKIDES, D**

2014 Sep 13 Distinguished Speaker. My Worst Case of Lower 1/3 of the Face Reconstruction. AO CMF. Cartagena,

Colombia. Presenter(s): Danny Enepekides. AO Latin America Symposium on Complex Post-Oncologic

Facial Reconstruction.

2014 Sep 12 Distinguished Speaker. Microvascular Reconstruction of the Tongue and Floor of Mouth. AO CMF.

Cartagena, Colombia. Presenter(s): Danny Enepekides. AO Latin America Symposium on Complex Post-

Oncologic Facial Reconstruction.

Distinguished Speaker. Microvascular Reconstruction of the Lips. AO CMF. Canada. Presenter(s): Danny 2014 Sep 12

Enepekides. AO Latin America Symposium on Complex Post-Oncologic Facial Reconstruction.

2014 Sep 11 Distinguished Speaker. Microvascular reconstruction of the scalp and calvarium. AO CMF. Cartagena,

Colombia. Presenter(s): Danny Enepekides. AO Latin America Symposium on Complex Post-Oncologic

Facial Reconstruction.

### **CZECH REPUBLIC**

### CHEPEHA, D

2015 Jun 10 Invited Panellist. Mandibular Reconstruction: Tissue Engineering in Mandibular Reconstruction. The 3rd

Congress of European ORL-HNS. Prague, Czech Republic. Presenter(s): Moderator: Dan Fliss. Panellists:

Cesare Piazza, Joseph Helman, Douglas Chepeha, Peter Sheng-Po Hao.

### **GILBERT, R**

2014 Sep Moderator. Reconstructive Surgery of the Maxillofacial skeleton after ablative surgery. Pitfalls and pearls

from across the Atlantic. IAOO. Prague, Czech Republic.

### **ENGLAND**

### ADAMSON, P

2015 Jun Guest International Speaker, British Academic Conference in Otolaryngology, Liverpool, England. Topics:

Demonstration cadaver rhinoplasty dissection. Management of the Dissatisfied Patient.

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### **INTERNATIONAL MEETINGS (continued)**

### **FINLAND**

### PAPSIN, B

2015 Jun 4

Invited Faculty. Finnish National Cochlear Implant Meeting. Tampere, Finland. 1) What bilateral cochlear implantation in children has taught us about auditory development in humans, 2) Outcomes after cochlear implantation in children with asymmetric or single sided hearing loss, 3) Surgical concepts in pediatric cochlear implantation - electrode choice, hearing preservation and technical aspects. Presenter(s): Blake Papsin.

### **FRANCE**

### JAMES. A

2015 Jun

Invited Speaker. Paediatric Eustachian Tube Balloon Dilatation: Who needs it? Dialogues. Bordeaux, France. Presenter(s): James AL.

### PAPSIN, B

2015 Jun 18

Round Table Moderator & Presenter. 12th European Symposium on Pediatric Cochlear Implants. The European Society of Pediatric Cochlear Implants (ESPCI). Toulouse, France. 1) Development of the auditory system after cochlear implantation (Keynote Address), 2) Balance in bilaterally implanted children. Presenter(s): Blake Papsin.

2014 Nov 14

Invited Address. Is there a sensitive period for habilitating asymmetric hearing loss in children? 3rd Cochlear Science and Research Seminar on Asymmetric Hearing Loss - Hospital Purpan, CHU Toulouse. Toulouse, France. November 14 - 15, 2014.

### **INDIA**

### **ENEPEKIDES, D**

2014 Nov 21

Distinguished Speaker. Mandibular Reconstruction - State of the Art. AO CMF International. Bangalore, Karnataka, India. Distinguished International Faculty at the AO CMF International Symposium on Advances in Midface and Maxillamandible Reconstruction. Presenter(s): Danny Enepekides.

### **ISRAEL**

### IRISH, J

2014 Nov 9 Invited Speaker. ENT Rounds, Management of Salivary Gland Malignancy. Shaare Zedek Medical Center. Jerusalem, Israel. Presenter(s): Jonathan Irish.

2014 Nov 6 Invited Speaker. Grand Rounds, Implementation of Organizational Standards in a Universal Health Care System: The Ontario Experience. Rambam Health Care Campus/TECHNION Institute. Haifa, Israel. Presenter(s): Jonathan Irish.

2014 Nov 6 Keynote Speaker. Recurrent and Persistent Oropharyngeal Cancer-Surgical Approach. Israeli Head and Neck Surgery and Oncology Annual Meeting. Tel-Aviv, Israel. Presenter(s): Jonathan Irish.

2014 Nov 6 Panellist. Oropharynx. Israeli Head and Neck Surgery and Oncology Annual Meeting. Tel-Aviv, Israel. Presenter(s): Jonathan Irish.

### **INTERNATIONAL MEETINGS (continued)**

2014 Nov 6 Instructional Course, Neck Dissection, Israeli Head and Neck Surgery and Oncology Annual Meeting, Tel-Aviv, Israel. Presenter(s): Jonathan Irish.

2014 Nov 4 Invited Speaker. ENT Rounds, Management of Salivary Gland Malignancy. Rabin Medical Centre. Tel-Aviv, Israel. Presenter(s): Jonathan Irish.

### **ITALY**

### JAMES, A

2014 Sep Invited Speaker. Bilateral Cochlear Implantation in Children: What does it do to the brain? European Academy of Otology and Neuro-otology, 7th Instructional Workshop. Siena, Italy. Presenter(s): James A, Papsin B, Gordon K.

2014 Sep Panellist. Management of Perforations, Retraction Pockets and Cholesteatoma in Children. European Academy of Otology and Neuro-otology, 7th Instructional Workshop. Siena, Italy. Presenter(s): James A, Yung M, Ho A, Della Volpe A, Muzzi E, Alper C.

### **KUWAIT**

<b>GILBERT, R</b> 2015 Apr	Invited Lecturer. Management of Hypopharyngeal Cancer. 3rd Kuwait International conference. Kuwait. Presenter(s): Ralph Gilbert.
2015 Apr	Invited Lecturer. Evidence based review of organ preservation strategies in laryngeal cancer. 3rd Kuwait International conference. Kuwait. Presenter(s): Ralph Gilbert.
2015 Apr	Invited Lecturer. The impact of pharyngeal closure technique on fistula after salvage laryngectomy. 3rd Kuwait International conference. Kuwait. Presenter(s): Ralph Gilbert.
2015 Apr	Invited Lecturer. Mandibular reconstruction, new concepts. 3rd Kuwait International conference. Kuwait. Presenter(s): Ralph Gilbert.
IRISH. J	

- Speaker. Paratracheal and superior mediastinal neck dissection in recurrent and/or persistent nodal 2015 Apr 8 disease. 3rd Kuwait International Conference on Head and Neck Cancer. Kuwait City, Kuwait. Presenter(s): Jonathan Irish.
- Speaker. Neck dissection techniques and indications. 3rd Kuwait International Conference on Head and 2015 Apr 8 Neck Cancer. Kuwait City, Kuwait. Presenter(s): Jonathan Irish.
- 2015 Apr 8 Speaker. Mucosal melanomas of the head and neck. 3rd Kuwait International Conference on Head and Neck Cancer. Kuwait City, Kuwait. Presenter(s): Jonathan Irish.
- Speaker. Impact of resection margins on tumor recurrence in cutaneous melanoma. 3rd Kuwait 2015 Apr 8 International Conference on Head and Neck Cancer. Kuwait City, Kuwait. Presenter(s): Jonathan Irish.
- Speaker. Sentinel lymph node biopsy in head and neck melanoma: Indications and techniques. 3rd Kuwait 2015 Apr 8 International Conference on Head and Neck Cancer. Kuwait City, Kuwait. Presenter(s): Jonathan Irish.

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### **INTERNATIONAL MEETINGS (continued)**

2015 Apr 8

Moderator. Panel Discussion-Parathyroid Neoplasia. 3rd Kuwait International Conference on Head and Neck Cancer. Kuwait City, Kuwait. Presenter(s): Jonathan Irish.

### **MEXICO**

### ADAMSON, P

2015 Feb

Invited International Faculty, Mexican Society of Otolaryngology-Head and Neck Surgery. Mexico City, Mexico. Topics: Patient Selection for Rhinoplasty, Management of the Bulbous Nasal Tip, How to Control the Nasal Tip (Panellist), Adolescent Rhinoplasty, Personal Philosophy of Rhinoplasty (Keynote Lecture), Strategies and Attitudes for Professional Success. Presenter(s): Peter Adamson.

### **RUSSIA**

### ADAMSON, P

2014 Sept

Eighth Sergey Nudelman Plastic Surgery Course, Sponsored by International Society of Aesthetic Plastic Surgery, Ekaterinburg, Russia. Topics: The Graduated Facelift, Upper Blepharoplasty, Lower Blepharoplasty, The M-Arch Model of Nasal Tip Surgery, Alar Base Reduction, Managing the Nasal Pyramid and Crooked Nose, Managing Nasal Tip Projection, Lessons Learned from Revision Rhinoplasty. Presenter(s): Peter Adamson.

### LEE, A

2015 May

Invited speaker. Benign Paroxysmal Positional Vertigo Update. Vertigo Academy International. Moscow, Russia. Presenter(s): Ambrose Lee.

### **SINGAPORE**

### ADAMSON, P

2014 Oct

Honoured Guest Lecturer, 1. Patient selection for rhinoplasty; 2. Management of the dissatisfied patient; 3. Management of the nasal pyramid and crooked nose; 4. The M-Arch Model: concepts and techniques; 5. Management of the bulbous tip; 6. Nasal tip suture techniques; 7. Intermediate crural overlay; 8. Transposition of cephalic lower lateral cartilages; 9. The future of facial plastic surgery (Keynote address for hospital); 10. Alar base reduction; 11. Adolescent cosmetic rhinoplasty; 12. Lessons learned from secondary rhinoplasty; 13. Sequence of steps in – rhinoplasty: What's the logic (Moderator and Presenter); 14. What works best for positioning the tip? (Panellist). First Singapore Advanced Rhinoplasty Fresh Frozen Cadaveric Dissection Course. Khoo Teck Puat Hospital, Singapore. Presenter(s): Peter Adamson.

Demonstration rhinoplasty cadaver dissection and lab teaching (2 days).

Presentation of rhinoplasty videotapes (4 hours).

Linear scar revision techniques (30 minutes).

Demonstration scar revision cadaver dissection (2 hours). Presenter(s): Peter Adamson.

### **SAUDI ARABIA**

### FALLS, C

2014 Nov

Vestibular scope of practice - Audiologist's perspective. Co-presented a two-week course (combined didactic and laboratory instruction) to a group of otolaryngologists, audiologists, and technicians as part of a

### **INTERNATIONAL MEETINGS (continued)**

vestibular diploma program. Lecture topics included ENG/VNG, c/o-VEMP, vHIT, rotational chair, etc. Doha, Qatar. Saudi Arabia. November 7-21, 2014.

### HASSOUNEH, B

2014 Dec Guest Lecturer. How to critical appraise a research paper. King Abdul Aziz University Hospital – Department

of Otolaryngology-HNS. Riyadh, Saudi Arabia. Presenter(s): Basil Hassouneh.

2014 Nov Cadaveric lab instructor. 6th Riyadh International FESS Course, King Saud University. Riyadh, Saudi Arabia.

Presenter(s): Basil Hassouneh.

### **SPAIN**

### **CAMPISI, P**

2015 Feb 5 Invited Lecturer. Surveillance and impact of HPV prophylactic vaccines. European Research Organization on

Genital Infection and Neoplasia (EUROGIN). Seville, Spain. Presenter(s): Paolo Campisi.

### **SWITZERLAND**

### ANDERSON, J

2015 Jan Invited Speaker. Winter days of laryngology. Genève (fr), Switzerland. Presenter(s): Dr. Jennifer Anderson.

### **TURKEY**

### PAPSIN, B

2014 Sep 3

Invited Lecturer. An analysis of the effect of insertion technique and electrode on residual hearing and electrophysiologic response. 1) An analysis of the effect of insertion technique and electrode on residual hearing and electrophysiologic response (invited lecture); 2) Bilateral CI - Pros and Cons (panellist); 3) Stabilization of balance using head referenced cochlear stimulation (invited lecture); 4) New approaches to CI (round table), Challenges in CI (round table).9th Inner Ear Disease and Cochlear Implant Symposium. Cesme, Turkey. September 3 - 5, 2014

### **TURKS AND CAICOS ISLAND**

### PROPST, E

2015 Mar 21

Invited Speaker. Lecture and online modules regarding emergencies in paediatric Otolaryngology. Canadian Association of Emergency Physicians. Dr. Mark Mensour. Providenciales, Turks And Caicos Islands. Presenter(s): Evan Propst.

### UNITED ARAB EMIRATES

### HASSOUNEH, B

2015 Apr

Invited Speaker. Improving the outcome in patients with nasal obstruction: systematic approach to evaluation and management. Post-meeting sponsored event at the 12th Annual Middle East Update in Otolaryngology Conference. Dubai, UAE. Presenter(s): Basil Hassouneh.

# **INTERNATIONAL MEETINGS (continued)**

JAMES, A

2015 Apr Invited Speaker. 3D modelling to predict feasibility of endoscopic ear surgery. 1st World Congress on

Endoscopic Ear Surgery. Dubai, United Arab Emirates. Presenter(s): James AL.

2015 Apr Invited Speaker. Donor sites and grafting techniques. 1st World Congress on Endoscopic Ear Surgery. Dubai,

United Arab Emirates. Presenter(s): James AL.

2015 Apr Invited Speaker. Use of the KTP laser for cholesteatoma in totally endoscopic ear surgery. 1st World

Congress on Endoscopic Ear Surgery. Dubai, United Arab Emirates. Presenter(s): James AL.

# **UNITED KINGDOM**

PAPSIN, B

2014 Nov 7 Is the auditory system educable? What paediatric cochlear implantation has taught us about the developing

brain. 2014 Edith Whetnall Memorial Lecture - Otology Section, The Royal Society of Medicine. London, City

of, United Kingdom. Presenter(s): Blake Papsin.

NGAN, B-Y

2014 Aug 30 Chair. 26th European Congress of Pathology. European Society of Pathology and the Pathological Society of

Great Britain and Ireland. United Kingdom. Oral free paper session in Paediatric and Perinatal Pathology.

Presenter(s): B-Y Ngan.

# **UNITED STATES**

ADAMSON, P

2015 May Invited Faculty. 1. Systematic analysis of the nose; 2. multidimensional alar base reduction; 3. Analysis

panel: Avoiding pitfalls by identifying variant anatomy (Moderator); 4. Panellist: Reputation management; 5. Evolution of beauty. AAFPRS Advances in Rhinoplasty 2015. Biannual International Course. Chicago, Illinois.

United States. Presenter(s): Peter Adamson.

ANDERSON, J

2015 Jun Invited Speaker. 1. Chronic cough; 2. Irritable larynx syndrome; 3. Autoimmune disorders and larynx. 2015

Otolaryngology Update at Sea, University of Miami Miller School of Medicine. Florida, United States.

Presenter(s): Dr. Jennifer Anderson.

2015 May 31 Presenter. Thyroplasty implant dimensions: Evaluation of a predictive model in cadaveric larynges. The Voice

Foundation Symposium. Philadelphia, Pennsylvania, United States. Presenter(s): Drs. Jennifer Anderson,

Michael Benninger & Tulika Shinghal.

2015 May 29 Invited Panellist. Difficult cases in laryngology. The Voice Foundation Symposium. Philadelphia, Pennsylvania,

United States. Presenter(s): Jennifer Anderson.

2015 Apr 24 Invited Faculty Laboratory Instructor. Phonosurgery course for tertiary physicians performing

laryngology/voice surgery. Massachusetts Eye and Ear Infirmary, Department of OTO-HNS, Harvard

University. Combined Otolaryngology Spring Meeting. Boston, Massachusetts, United States. Presenter(s):

Jennifer Anderson.

BC, Gordon KA.

2014 Oct 24	Presenter. Glottic airway in thyroplasty: Cadaveric model and high resolution CT scan. The Fall Voice Conference. San Antonio, Texas, United States. (Continuing Education). Presenter(s): Jennifer Anderson.
CAMPISI, P 2014 Sep	Course Co-Instructor. Recurrent respiratory papillomatosis. American Academy of Otolaryngology-HNS Annual Mtg and OTO Expo. Orlando, Florida, United States. Presenter(s): P. Campisi, C. Derkay. (Continuing Education).
2014 Sep	Course Instructor. Management of sialorrhea in children. American Academy of Otolaryngology. Orlando, Florida, United States. (Continuing Education). Presenter(s): Paolo Campisi.
CHAN, Y 2014 July	Invited lecturer. Panellist: Pearls and pitfalls in the management of CRS. 2014 American Rhinologic Society Summer Sinus Symposium, Chicago, Illinois.
<b>CHEN, J</b> 2015 Feb 3	Invited Lecturer. Semi-implantable bone conduction device-clinical and quality of life outcomes. University of Colorado. Vail, Colorado, United States. Presenter(s): Joseph Chen.
2014 Dec 12	Presenter. Semi-implantable bone conduction device-clinical and quality of life outcomes. Pedatric Cochlear Implant Symposium-ACIA. Nashville, Tennessee, United States. Presenter(s): Joseph Chen.
CHEPEHA, D	
2015 Feb 2	Panellist. Head and Neck Cancer I: Oral Cancer. Ultimate Colorado Midwinter Meeting. Vail, Colorado, United States. Presenter(s): Chepeha DB.
2015 Feb 2	Panellist. Head and Neck Cancer II: Managing Complications. Ultimate Colorado Midwinter Meeting. Vail, Colorado, United States. Presenter(s): Chepeha DB.
2014 Sep	Moderator. Oropharayngeal carcinoma; Decision making after the transoral resection is done: grannulate or reconstruct? Microvascular Committee, AAOHNS Annual Meeting. Orlando, Florida. Presenter(s): Panellists: Joshua Hornig, Thomas Gal, Eric Genden. September 21-24, 2014. (Panel presentation).
2014 Sep	Moderator. Salvage laryngectomy, decision making to optimize the result: neck dissection? Salivary bipass? Flap assisted closure? Microvascular Committee, AAOHNS Annual Meeting. Orlando, Florida. Presenter(s): Panellists: Ralph W. Gilbert, Urjeet Patel. September 21-24, 2014. (Panel presentation).
2014 Jul	Panellist. Reconstruction of the complex surgical defect: Management of fistulae. 5th World Congress of the International Federation of Head and Neck Oncologic Societies (IFHNOS) and the American Head and Neck Society Annual Meeting. New York, New York. July 26-30, 2014. (Panel presentation). Presenter(s): Chepeha DB.
CUSHING, S 2014 Dec 4	Invited Speaker. Habilitating asymmetric hearing loss in children. SENTAC PreMeeting Symposia on Unilateral Hearing Loss. St. Louis, Missouri, United States. Presenter(s): Polonenko M, Cushing SL, Papsin

# **INTERNATIONAL MEETINGS (continued)**

#### **ENEPEKIDES, D**

2015 Feb 21 Invited Speaker. State of the art screening for head and neck cancer. 10th Annual International Voice and

Dysphagia Symposium. Las Vegas, Nevada, United States. Presenter(s): Danny Enepekides.

**ELLIS, D** 

2014 Sept Guest Faculty. An update on Canadian fillers. American Academy of Facial Plastic & Reconstructive Surgery,

Annual Meeting. Orlando, Florida. Presenter(s): David Ellis.

FREEMAN, J

2014 Dec 7 Preservation of the superior laryngeal nerve, surgery at the thyroid and parathyroid glands. Boston,

Massachusetts, United States. Presenter(s): Jeremy Freeman.

2014 Jul 29 Surgeon performed ultrasound-guided fine needle aspirates for the thyroid: Our experience. 5th World

Congress of IFHNOS & Annual Meeting of the AHNS. New York, New York, United States. Presenter(s): Vinay

Fernandes. (Trainee Presentation).

**GILBERT, R** 

2014 Jul Chair. Oral Papers: Reconstruction/Outcomes. IFHNOS World Congress. New York, United States. Presenter(s):

Ralph Gilbert.

2014 Jul Keynote Speaker. Jatin Shah Lecture - Reconstructive H&N Surgery Lessons from the past, opportunities for

the future. IFHNOS World Congress. New York, United States. Presenter(s): Ralph Gilbert.

**GOLDSTEIN**, D et al

2014 Jul 26 Instructor. New and upcoming changes to staging of H&N cancer. 5th World Congress of IFHNOS & Annual

Meeting of the AHNS. New York City, New York, United States. Presenter(s): Lydiatt W & Goldstein D.

Instructional Course.

GOULDING, G

2015 Jan SmartSound IQ and the Nucleus 6. Cochlear Corporation Company Meeting, Denver, CO.

**GULLANE, P** 

2014 Jul Keynote Speaker, Hayes Martin Lecture - "What Would Dr. Martin Think?", IFHNOS World Congress, New

York, United States. Presenter(s): Patrick Gullane.

2014 Jul Moderator. Oral Papers: Outcomes III. IFHNOS World Congress. New York, United States. Presenter(s): Patrick

Gullane.

IRISH, J

2015 May 8 Keynote Speaker. Quality improvement program in surgical oncology. Commission on Cancer, American

College of Surgeons. Chicago, Illinois, United States. Presenter(s): Jonathan Irish.

2015 Apr 22 Invited Speaker. The John Conley Lecture, The changing role of the surgeon: Leading the transformation of

health care. American Head and Neck Society. Boston, Massachusetts, United States. Presenter(s): Jonathan

Irish.

2015 Apr 22 Panellist. Advancing cancer therapy best practices through outcomes research. Translational Research

Medicine Conference. American Head and Neck Society. Boston, Massachusetts, United States. Presenter(s):

Jonathan Irish.

2015 Jan 26 Invited Lecturer. Quality improvement in a health care system: Experiences from a universal health care system. Department of Surgery Grand Rounds, Memorial Sloan-Kettering Cancer Center. New York, New York, United States. Presenter(s): Jonathan Irish.

#### JAMES, A et al

2015 Apr Speaker. Miniseminar: Introducing endoscopes into pediatric otologic surgery. ASPO Annual Meeting. Boston, Massachusetts, United States. Presenter(s): James AL, Rivas A, Villari D, Papsin B.

2014 Sep Instructor. Minimal access cochlear implantation in children: New concepts. American Academy of Otolaryngology-Head & Neck Surgery Annual Meeting. Orlando, Florida, United States. Presenter(s): James A, Papsin B. Instruction Course. (Continuing Education).

2014 Sep Instructor. Top tips in pediatric tympanomastoid surgery. American Academy of Otolaryngology-Head & Neck Surgery Annual Meeting. Orlando, Florida, United States. Presenter(s): Papsin B, James A. Instruction Course. (Continuing Education).

# LEE, J

2014 Jul 18 Invited Guest Faculty and Panellist. Pearls and pitfalls in the management of chronic rhinosinusitis.

American Rhinologic Society: Summer Sinus Symposium. Illinois, United States. Presenter(s): Moderator:
Tim Smith.

Panellists: David Kennedy, Michael Stewart, Kevin Welch, Yvonne Chan, John Lee.

#### PAPSIN, B

2015 Apr 25 Panel. Introducing endoscopes into a pediatric otologic practice. American Society of Pediatric Otolaryngology (ASPO) annual meeting. Boston, Massachusetts, United States. Presenter(s): Blake Papsin.

2015 Feb 25 Visiting Professor. Is the auditory system educable? What pediatric cochlear implantation has taught us about the developing brain. Nemours Children's Hospital - Surgical Grand Rounds. Orlando, Florida, United States. Presenter(s): Blake Papsin.

2015 Feb 13

1) Is the auditory system educable? What bilateral cochlear implantation has taught us about the developing brain; 2) The future sounds better that ever: Bilateral, bimodal and balance. Cochlear Celebration 2015 - User Conference for Cochlear Implant and BAHA recipients. Orlando, Florida, United States. Presenter(s): Blake Papsin.

2014 Dec 11 Invited Speaker. Neuroplasticity and bilateral cochlear implantation. 14th Symposium on Cochlear Implants in Children (American Cochlear Implant Alliance). Nashville, Tennessee, United States. December 11 - 13, 2014. Presenter(s): Blake Papsin.

#### PROPST, E

2015 Apr 23 Invited Speaker. ASPO Fellowship Director's Survey - Competency Evaluation. Dr. Christopher Hartnick. Boston, Massachusetts, United States. Presenter(s): Udayan Shah, Evan Propst. Survey of Fellowship Directors regarding evaluation methods currently used and planned for use in evaluating competency.

2015 Mar 21 Invited Speaker. Animal dissection lab for teaching endoscopic and open airway reconstruction. Children's Hospital of Philadelphia Airway Course. Dr. Ian Jacobs and Dr. Steven Sobol. Philadelphia, Pennsylvania, United States. Presenter(s): Evan Propst.

# **INTERNATIONAL MEETINGS (continued)**

SMILSKY, K

2014 Dec Invited Speaker. The MedEl SONNET: Early fitting experiences. Cl2014, 14th Symposium on Cochlear

Implants in Children, Nashville, TN, USA.

WITTERICK, I

2015 Feb 15 Invited Lecturer. Competency of future skull base surgeons: More surgeons, fewer surgeries, tougher cases,

measuring competency. 25th Annual Meeting of the North American Skull Base Society. Tampa, Florida,

United States. Presenter(s): Witterick IJ.

2014 Sep 22 Invited Lecturer. Modified endoscopic lothrop/outside-in drill out. Advanced ESS demonstration workshop.

Annual Meeting of the American Academy of Otolaryngology-Head & Neck Surgery. Orlando, United States.

Presenter(s): Witterick IJ.

2014 Jul 28 Invited Lecturer. Neck dissection pearls (Lunch with the Professors). 5th World Congress of IFHNOS and the

Annual Meeting of the AHNS. New York, United States. Presenter(s): Witterick IJ (moderator), Bumpous J.

Rezaee R.

# **VIETNAM**

CHAN, Y

2015 March Invited lecturer. FESS failures & tips on revision surgery, Update in Otolaryngology Workshop, National ENT

Hospital, Hanoi, Vietnam.

2015 March Invited lecturer. Endoscopic Sinus Surgery Post-operative Care, Update in Otolaryngology Workshop, National

ENT Hospital, Hanoi, Vietnam.

# **NATIONAL MEETINGS**

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2015 Jun Invited Speaker. Strategies and attitudes for professional and personal success. CSO-HNS Annual Meeting.

Winnipeg, MB.

2014 Oct Invited Speaker. Basics of facelifting. (Presented by Dr. Eli Akbari). Canadian Academy of Facial Plastic and

Reconstructive Surgery Annual Clinical Day.

**CAMPISI, P** 

2015 Jun Symposium. Frontiers and nuances in the management of hpv related diseases. Canadian Society of

Otolaryngology-Head and Neck Surgery. Winnipeg, MB. Presenter(s): Gullane P (Moderator), Campisi P,

Hansen A.

2015 May 4 Invited Speaker. Impact of vaccination on juvenile onset recurrent respiratory papillomatosis - surveillance in

Canada. Melvin Schloss Day, McGill University. Montreal, Quebec, Canada. Presenter(s): Paolo Campisi.

CHAN, Y

2015 March Invited lecturer. Office based rhinology: Balloon catheter dilation and polypyac, on panel: Office-based

rhinology. The 19th Annual McGill University Update in Otolaryngology-Head & Neck Surgery, Mont Tremblant,

Quebec.

2015 June Invited lecturer. Topical therapy in allergic rhinitis, Panellist on panel: Management of Allergic Rhinitis.

Canadian Society of Otolaryngology-HNS 69<sup>th</sup> Meeting, Winnipeg, MB.

2015 June Invited lecturer. CRS maximal medical management, Panellist on panel: A Witches' Brew of Therapies:

Optimizing evidence based practice in pre-, peri, and post-operative care of patients with chronic

rhinosinusitis. Canadian Society of Otolaryngology-HNS 69<sup>th</sup> Meeting, Winnipeg, MB.

ELLIS, D

2014 Oct Invited Faculty. Adding Botox to your practice Canadian Academy of Facial Plastic and Reconstructive

Surgery. Facial Plastic and Reconstructive Surgery 2014 Theme: Back to Basics. Toronto, Ontario.

FREEMAN, J

2015 Jan 31 Surgical management of thyroid disease. Canadian Association of Nuclear Medicine. 2015 Annual

Scientific Meeting, Canadian Association of Nuclear Medicine. Montreal, Quebec.

IRISH, J

2014 Nov 22 Keynote Speaker. Implementation of organizational standards in surgical oncology: The Ontario

Experience. Canadian Urological Association National Bladder Cancer Quality of Care Meeting, Montreal,

Quebec. Presenter(s): Jonathan Irish.

LIN, V

2015 Jun Panellist. Temporal bone radiology by the otologist for the otolaryngologists. Canadian Society of

Otolaryngology-Head & Neck Surgery. Winnipeg, Manitoba. Presenter(s): Vincent Lin.

PROPST, E

2015 May 4 Invited Speaker. Presentation and management of laryngeal cleft. 9th Annual International Pediatric

Otolaryngology Update. Dr. Sam Daniel. Montreal, Quebec. Presenter(s): Evan Propst.

2014 Nov 3 Invited Speaker. McGill Airway Course. Dr. John Manoukian and Dr. Sam Daniel. Montreal, Quebec.

Presenter(s): Evan Propst. Animal dissection lab for teaching endoscopic and open airway reconstruction.

TORGERSON, C

2015 May Invited Lecturer. Clarion Physicians Training: Calgary. "New innovations from Teosyal: Injectable pen".

Presenter(s): Cory Torgerson.

2014 Nov Invited Lecturer. Delivering Optimal outcomes with the Juvederm vycross platform. Allergan Physicians

Training-CLASS Meeting: Montreal. Presenter(s): Cory Torgerson.

WITTERICK, I

2015 Jun 8 Invited Lecturer. Patient expectations and unmet needs in allergic rhinitis therapy. Workshop on

management of allergic rhinitis: Incorporating new treatment options to respond to unmet patient needs

with Desrosiers M, Chan Y and Kilty S. 69th Annual Meeting of the CSO-HNS. Winnipeg, Manitoba.

Presenter(s): Witterick IJ.

# PROVINCIAL/LOCAL MEETINGS

ADAMSON, P 2015 Jun	Invited Speaker. Facial plastic surgery for the primary care physician. Medcan, Toronto. Presenter(s): Peter Adamson.
2015 Feb	Invited Faculty. Aesthetic otoplasty. Otolaryngology Update, Department of Otolaryngology-Head & Neck Surgery, University of Toronto. Toronto. Presenter(s): Peter Adamson.
ANDERSON, J 2014 Oct 1	Speaker. Vibration therapy in singers: Randomized controlled trial. Faculty of Music and MaHRC Music and Health Colloquium. Presenter(s): J Anderson. This is a forum for research in music and health.
2015 Apr 11	Invited Speaker. Vocal health and diction workshop. Youth Opera Lab. Canadian Opera Company. Toronto, Ontario. Presenter(s): Dr. Jennifer Anderson.
<b>BRADLEY, G</b> 2014 Oct 16	Guest lecturer. Oral cancer. 4th year undergraduate students, York University BIOL4010 Biology of Cancer. Course Director: Dr. Keith Wheaton. Toronto, Ontario.
<b>CAMPISI, P</b> 2015 Mar 27	Invited Lecturer. Management of sialorrhea in children. Hospital for Sick Children Diagnostic Imaging Interventional Radiology Lecture Series. Toronto, Ontario. (Continuing Education). Presenter(s): Paolo Campisi.
CHAN, Y 2015 May	Invited lecturer: Tips on revision sinus surgery, University of Toronto Rhinology Update 2015, Toronto.
2015 March	Invited lecturer. Nasopharyngeal carcinoma. Trillium Health Partners Credit Valley Hospital Department of Family Practice Grand Rounds, Mississauga.
2015 Feb	Invited lecturer. Contemporary management strategies of epistaxis, Panel Moderator. Otolaryngology Update 2015, Toronto.
2014 Dec	Invited lecturer. Nasopharyngeal cancer screening test. Trillium Health Partners Department of Family Practice Journal Club, Mississauga.
<b>CHEPEHA, D</b> 2015 May 15	Moderator. Less is more: Deintensification strategies for HPV-related OPC. 17th Wharton-Elia-Sullivan Day. Toronto, Ontario. Presenter(s): John de Almeida, John Waldron, Anna Spreafico.
2015 Jan 9	Panellist. Management of advanced skin malignancy. Head and Neck Surgery Rounds, University Health Network. Toronto, Ontario. Presenter(s): Douglas Chepeha.
<b>CUSHING, S</b> 2014 Oct 15	Presenter. Percutaneous bone conduction techniques in children. University of Toronto Temporal Bone Course. Toronto, Ontario. Presenter(s): Sharon L. Cushing.
2014 Oct 15	Presenter. Transcutaneous bone conduction techniques in children. University of Toronto Temporal Bone Course. Toronto, Ontario. Presenter(s): Sharon L. Cushing.

# PROVINCIAL/LOCAL MEETINGS (continued)

2014 Oct 14	Invited Speaker. Vestibular disorders and sensorineural hearing loss. 5th Annual Training Course for Healthcare Professionals on Vestibular and Balance Disorders in the Pediatric Population. Toronto, Ontario. Presenter(s): Sharon L. Cushing.
DABDOUB, A 2014 Dec 15	Invited Speaker. Development and regeneration of sensory hair cells and neurons in the Wntastic mammalian cochlea. Department of Laboratory Medicine and Pathobiology U of T. Toronto, Ontario. Presenter(s): Dabdoub, A.
2014	Invited Speaker. How did I get 'Hear'. Department of Laboratory Medicine and Pathobiology, University of Toronto. Toronto, Ontario. Presenter(s): Dabdoub, A.
<b>DAVIDS, T</b> 2015 Feb	Speaker/faculty: Care of the professional voice. Toronto Voice Course, University of Toronto, Toronto.
2015 Feb	Instructional course on "Laryngeal procedures". Toronto Voice Course, University of Toronto, Toronto.
<b>DE ALMEIDA, J</b> 2015 Jun 12	Invited Lecturer. Sinonasal and skull base anatomy. Endoscopic Skull Base Surgical Didactic Course - Mount Sinai Surgical Skills Lab. Toronto, Ontario. Presenter(s): John de Almeida.
2015 Jun 12	Instructor. Cadaver dissection. Cadaveric Dissection Course - Mount Sinai Surgical Skills Lab. Toronto, Ontario. Presenter(s): John de Almeida.
2015 May 29	Speaker. Head and neck reconstruction and medical imaging considerations. Radiology fellows. Toronto, Ontario. Presenter(s): John de Almeida.
2015 May 15	Invited Lecturer. The role of transoral robotic surgery in the HPV positive oropharynx cancer patient: Opportunities for deintensification. 17th Annual Wharton/Elia Day - Princess Margaret Cancer Centre. Toronto, Ontario. Presenter(s): John de Almeida.
<b>DRUKER, S</b> 2015 Feb	Invited speaker. Listen to an Audiologist. Senior Division Learn-In, Bialik Hebrew Day School, Toronto.
FALLS, C 2015 May	Course Coordinator and Lecturer. Comprehensive practical vestibular assessment course UHN; University of Toronto, Department of Otolaryngology-Head & Neck Surgery. Lecture Topics: VOR Testing, ENG/VNG, Electrocochleography; also ran hands-on workshops.
2015 Apr	Course Lecturer. Vestibular Audiology: What it is and why you should care. Adult hearing disorders. Western University.
2014 Oct	Assessment of the dizzy child: Audiology work-up. Annual Training Course for Healthcare Professionals on Vestibular and Balance Disorders in the Pediatric Population. Hospital for Sick Children.

# **GOLDSTEIN, D**

2015 May 15 Invited Speaker. Merkel Cell cancer: Another viral mediated HNC. 17th Annual Wharton/Elia Day on Viral-related head and neck cancer. Canada. Presenter(s): David Goldstein.

# PROVINCIAL/LOCAL MEETINGS (continued)

<b>GULLANE, P</b> 2014 Oct 17	Lecturer. Cricotracheal resection. Toronto International Paediatric Open Airway Surgery Course. Hospital for Sick Children. Ontario. Presenter(s): Patrick Gullane.
<b>IRISH, J</b> 2014 Sep 13	Invited Speaker. The OR of the future. Interaction 2014, An Integrated Industry & Academic Conference for Clinical Trials in Oncology. Toronto, Ontario. Presenter(s): Jonathan Irish.
JAMES, A 2014 Oct	Lecturer. Extending mastoidectomy: Retro-facial access and ossicular preservation. Toronto International Paediatric Temporal Bone Surgery Course. Toronto, Ontario. Presenter(s): James A.
2015 Apr 30	Invited Speaker. Endoscopic ear surgery in children. 5th Toronto Endoscopic Ear Surgery Dissection Course. Toronto, Ontario. Presenter(s): James AL.
<b>LEE, J</b> 2015 May 22	Invited Panellist. Medical management for chronic rhinosinusitis. University of Toronto Rhinology Update 2015. Toronto, Ontario. Presenter(s): John Lee.
2015 May 22	Invited Speaker. My favorite sinus surgery maneuvers. University of Toronto Rhinology Update 2015. Toronto, Ontario. Presenter(s): John Lee.
2015 May 22	Moderator for live surgery. University of Toronto Rhinology Update 2015. Toronto, Ontario. Presenter(s): John Lee.
2015 May 22	Invited Panellist. Ask the Experts: Controversies in Rhinology through case discussion. University of Toronto Rhinology Update 2015. Toronto, Ontario. Presenter(s): John Lee.
2015 Feb 7	Invited Panellist. Management of persistent epistaxis. Toronto, Ontario. Moderator: Yvonne Chan. Panellists: Shaun Kilty, Mark Tewfik, John Lee.
2014 Oct 15	Invited Lecturer. CRS, Asthma and the United Airways. Novartis. Toronto, Ontario. A review of the role of omalizumab in the management of chronic rhinosinusitis and asthma. Presenter(s): John Lee.
<b>LIN, V</b> 2015 Apr	Invited Speaker. Vestibular testing: What to order and how to interpret the results. Scarborough and Toronto East Journal Club. Toronto, Ontario. Presenter(s): Vincent Lin.
2015 Feb	Invited Speaker. Update on Meniere's Disease. Otolaryngology Update, Dept. of Otolaryngology-Head & Neck Surgery, University of Toronto. Toronto, Ontario. Presenter(s): Vincent Lin.
2015 Feb	Moderator. Panel on Meniere's Disease. Otolaryngology Update, Dept. of Otolaryngology-Head & Neck Surgery, University of Toronto. Toronto, Ontario. Presenter(s): Vincent Lin.
DADALOANNOLL	v

# PAPAIOANNOU, V

2014 Nov Invited Lecturer. Cultural competence in a healthcare setting, to First year graduate students at Western University, London, Ontario.

# PROVINCIAL/LOCAL MEETINGS (continued)

PAPSIN, B 2015 Feb 4	Otolaryngology-HNS for paediatric residents - A review. Canadian Paediatric Review Program (McMaster University). Hamilton, Ontario. Presenter(s): Blake Papsin.
<b>PROPST, E</b> 2015 Mar 6	Invited Speaker. Surgical management of complex sleep disorders. Pediatric Sleep Symposium. Dr. Indra Narang. Toronto, Ontario. Presenter(s): Propst EJ.
2014 Nov 21	Invited Speaker. Respiratory distress: Upper and lower airway (Infant to 12 years). SickKids NICU Transport ACTS Education Program. Dr. Hilary Whyte and Annette Martens. Toronto, Ontario. Presenter(s): Propst EJ.
<b>RUTKA, J</b> 2015 May 22	Invited Lecturer. Surgical management of the dizzy patient. UHN Advanced Hearing and Balance Unit. Toronto, Ontario. Presenter(s): John Rutka.
TORGERSON, C 2015 Jun	Invited Lecturer. New innovations from Teosyal: Injectable Pen. Clarion physicians training: Toronto. Presenter(s): Cory Torgerson.
2015 Apr	Invited Lecturer. Emervel dermal fillers. Galderma Physicians and Nurses Training Toronto. Presenter(s): Cory Torgerson.
2015 Mar	Invited Teacher. Rhinoplasty dissection workshop. University of Toronto, Division of Facial Plastic Surgery Residents Training. Toronto. Presenter(s): Cory Torgerson.
2015 Feb	Invited Lecturer. Injectable treatment innovations with Teosyal. Clarion Physicians Training: Cambridge. Presenter(s): Cory Torgerson.
2014 Oct	Invited Lecturer. Injectable Treatment Innovations with Teosyal. Clarion Physicians Training. Toronto. Presenter(s): Cory Torgerson.
2014 Aug	Invited Lecturer. ENT emergencies-peri-tonsillar abscess and epistaxis. CISEPO: University of Toronto 2014 Teaching Series. Toronto. Presenter(s): Cory Torgerson.
WITTE, J 2015 Apr	Beyond the refer: Issues in AABR screening. IHP Regional Screeners Meeting. North York, Ontario.
WITTERICK, I 2015 Jun 12	Demonstrator. Third Annual Skull Base Endoscopy Course. Division of Neurosurgery, Department of Surgery, University of Toronto. Presenter(s): Witterick IJ.
2015 May 22	Panel Member. Favorite sinus surgery maneurvers; Medical management of chronic rhinosinusitis; Ask the Experts: Controversies in rhinology through case discussion. Rhinology Update, Department of Otolaryngology-Head & Neck Surgery, University of Toronto. Presenter(s): Witterick IJ.
ZIRKLE, M 2014 Dec 2	Presenter. Redefining success: A governance model for collaboration. Center for Interprofessional

Education. Toronto, Ontario. Presenter(s): Beavers L, Miles S, Zirkle M, Houston P.

# Papers Presented at Conferences/Society Meetings

# **INTERNATIONAL MEETINGS**

# **CANADA** (International Meetings in Canada)

# WILLIAMS, K

2014 Oct

Inter-aural attenuation as a predictor of outcomes for SSD patients implanted with the bonebridge. 8th International Symposium on Objective Measures in Auditory Implants. Toronto. Williams K, Smith L, Lin V, Vanderelst R, Kuthubutheen J, Nedzelski J, Chen J.

# **CHINA**

### SMILSKY, K et al

2015 May

Sequential bilateral implantation in an adult population: Does the second ear progress more quickly if the first Cl use is suspended? 10<sup>th</sup> Asian Pacific Symposium on Cochlear Implant and Related Sciences, Beijing, China. Podium Presentation, Smilsky K, Smith L, Shipp D, Ng A, Millman T, Stewart S.

# **FRANCE**

#### **ABEL. S**

2014 Sept

Nakashima A, Abel SM. Communication in battlefield noise. Fourth Workshop on Battlefield Acoustics, French-German Institute of Saint-Louis, Saint Louis, France.

#### DE ALMEIDA, J

2014 Jun 26

MRI frontal lobe changes following endoscopic and open surgery for olfactory groove meningiomas: A matched pair analysis. European Skull Base Society. Paris, France. Presenter(s): John de Almeida.

# **GERMANY**

# DABDOUB, A

2014

Generating induced neurons from cochlear cells to replace lost or damaged auditory neurons in the mammalian inner ear. International Conference on Cochlear Implants. Munich, Bayern, Germany. Presenter(s): Dabdoub, A. Authors: Dabdoub A. and Nishimura K.

# **JAPAN**

## DABDOUB, A

2014 Nov

Wnt4 signaling inhibits hair cell formation in the developing mammalian cochlea through the non-canonical Wnt/Calcium/PKC pathway. Inner Ear Biology Meeting. Kyôto [Kyoto], Japan. Presenter(s): Dabdoub, A.

2014 Nov

Induction of auditory neurons in cochlear endogenous cells in the mammalian cochlea. Inner Ear Biology Meeting. Kyôto [Kyoto], Japan. Presenter(s): Nishimura K. Postdoctoral Trainee Speaker Presentation.

# **KOREA**

#### IRISH, J

2014 Sep 17 Modular multimodal nano agent platform for image-guided therapies. World Molecular Imaging Congress.

Seoul, Korea, Republic Of. Presenter(s): Zheng J, Fan L, Wada H, Muhanna N, de Souza R, Irish J, Yasufuku K,

Allen C, Jaffray D.

# **TURKEY**

# **BROWN, DH**

2014 Aug 24 Impact of IMRT on osteoradionecrosis: The Toronto experience. 61st CORLAS Meeting. Istanbul, Turkey.

Presenter(s): Dale Brown.

# WITTERICK, IJ et al

2014 Aug 25 Enhanced navigation in skull base surgery: Helpful or a distraction? Collegium Oto-Rhinolaryngologicum

Amicitae Sacrum Annual Meeting. Istambul, Istanbul, Turkey. Presenter(s): Witterick IJ. Authors: Dixon BJ,

Chan H, Daly MJ, Vescan AD, Witterick IJ, Irish JC.

### PAPSIN, B

2014 Sep 5 Bilateral cochlear implantation in children: The evidence-based case for reimbursement. Cochlear AG

Satellite Symposium. Cesme, Turkey.

2014 Aug 25 Effects of unilateral auditory stimulation/deprivation on the developing brainstem and cortex of children

using cochleasr implants. Collegium Oto-Rhinolaryngologicum Amicitiae Sacrum (CORLAS). Istanbul, Turkey.

# **UNITED STATES**

#### ABEL, S

2014 Dec Abel SM. Auditory performance with hearing protectors. Acoustics Subgroup Quarterly Meeting, Multilateral

Medical Operations Panel of the International Space Station, Houston, TX.

#### ANDERSON, J

2015 Apr 24 Effect of medialization thyroplasty on glottic airway anatomy: Cadaveric model. Combined Otolaryngology

Spring Meeting. Boston, Massachusetts, United States. Presenter(s): Dr. Tulika Shinghal.

2014 Oct 25 Airway evaluation in medialisation thyroplasty: Cadaver model. Fall Voice. San Antonio, Texas, United States.

Presenter(s): Jennifer Anderson.

### **BRADLEY, G**

2015 June The impact of TCIRG1 R740S Mutation on dental development in osteopetrotic mice. Annual meeting of the

American Academy of Oral & Maxillofacial Pathology, San Diego, California, USA. Johnson L, Ganss B, Owen

C, Bradley G, Voronov I. Dr. L. Johnson is resident in the Oral Pathology & Oral Medicine program.

2014 Sept A case of Ewing's sarcoma with an inflammatory-like periosteal reaction. Annual meeting of the American

Academy of Oral & Maxillofacial Radiology, Orlando, Florida, USA. Chadwick J, Bradley G. and Pharoah M, Dr.

J. Chadwick is resident in the Oral Radiology program.

# **INTERNATIONAL MEETINGS (continued)**

CAMPISI,	P et al
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2015 May 4 Simulation-based workshop on teamwork skills for otolaryngology, anesthesiology and nursing: Resources,

challenges and impact. 7th International Pediatric Simulation Symposia and Workshops. Vancouver, BC.

Presenter(s): Ng E, Roy WL, Campisi P, Forte V, Propst E, Everett T.

2014 Sep High speed video or video stroboscopy in children: Which sheds more light? 2014 Annual American

Academy of Otolaryngology-Head & Neck Surgery Meeting. Orlando, Florida, United States. Shinghal T, Low

A, Russell L, Wong A, Shah M, Propst EJ, Forte V, Merdad M, Grewal A, Eskander A, Campisi P.

CHEN, J

2014 Dec 12 Semi-implantable bone conduction device-clinical and quality of life outcomes. Pediatric Cochlear Implant

Symposium-ACIA. Nashville, TN, United States.

CHEPEHA, D

2015 Mar 28 Lymphoscintigraphy concordance with intraoperative findings from Sentinel Lymph Node (SLN) Biopsy

with [99mTc] Tilmanocept in Clinically Node-Negative (cNo) Head and Neck Squamous Cell Carcinoma Patients (HNSCC). Surgical Society 2015 Annual Cancer Symposium. Houston, Texas, United States.

Presenter(s): Chepeha DB.

2014 Sep Head and neck reconstructions: Review of pre-operative assessment and post-surgical appearances. 2014

Annual Meeting of the ASHNR. Seattle, Washington. Srinivasan A, Syed F, Spector M, Chepeha D, Cornelius

R. (Authors).

2014 Sep Lymphoscintigraphy concordance with intraoperative findings from sentinel lymph node (SLN) biopsy with

[99mTc] tilmanocept in clinically node-negative (cN0) head and neck squamous cell carcinoma patients

(HNSCC). 2015 Annual Cancer Symposium of the Society of Surgical Oncology. Presenter(s): Chepeha DB.

2014 Jul Matted nodes as an indicator of poor prognosis in oropharyngeal squamous cell carcinoma: A validation

study. 5th World Congress IFHNOS and Annual AHNS Meeting. New York, NY. Rosko AJ, Spector ME, Peterson L, Bellile E, McHugh JB, Ibrahim M, Virani S, Prince ME, Bradford CR, McLean SA, Malloy KM,

Worden FP, Eisbruch A, Rozek L, Wolf GT, Chepeha DB.

2014 Jul Gross nodal disease predicts degree of shoulder dysfunction after primary chemoradiation for patients with

advanced stage oropharyngeal squamous cell carcinoma. 5th World Congress IFHNOS and Annual AHNS Meeting. New York, New York. July 26-30, 2014. Burgin SJ, Spector ME, Pearson AT, Bellile E, Vainshtein

JM, McLean SA, Bradford CR, Wolf GT, Prince ME, Worden FP, Eisbruch A, Chepeha DB.

2014 Jul Parathyroid hormone ameliorates radiation-induced hypocellularity in a murine model of distraction

osteogenesis. 5th World Congress IFHNOS and Annual AHNS Meeting. New York, NY. Kang SY, Deshpande

SS, Donneys A, Felice PA, Rodriguez JJ, Nelson NS, Chepeha DB, Buchman SR.

**CUSHING, S et al** 

2014 Dec 11 Evaluation of a magnetic resonance imaging only protocol in the assessment of children prior to cochlear implantation. 14th Symposium on Cochlear Implants in Children. Nashville, TN, United States. Presenter(s):

Cushing SL, Gordon KA, James AL, Papaioannou V, Blaser SL, Papsin BC.

2014 Dec 5 Unilateral hearing loss is associated with impaired balance in children. SENTAC. St. Louis, Missouri, United

States. Presenter(s): Wolter NE, Vilchez-Madrigal LD, Gordon KA, Papsin BC, Cushing SL.

2014 Dec 5

Transcutaneous bone conduction devices demonstrate benefit in children with unilateral hearing loss. SENTAC. St. Louis, Missouri, United States. Presenter(s): Polonenko M, Carinci L, Cushing SL, Gordon KA, Papsin BC.

#### DABDOUB, A

2015 Feb

Cloning and characterization of full-length chicken Atonal homologue 1. Association for Research in Otolaryngology. Baltimore, Maryland, United States. Presenter(s): Mulvaney JF. Authors: Mulvaney JF, Amemiya Y, Freeman S, Ladher R, and Dabdoub A.

### DE ALMEIDA, J et al

- 2015 Feb 19 Comparison of outcomes for open vs endoscopic approaches for esthesioneuroblastoma: A systematic review and individual patient-level pooled analysis. North American Skull Base Society (25h Annual Meeting). Tampa, Florida, United States. Presenter(s): Eric Monteiro.
- 2015 Feb 19 Volumetric analysis of endoscopic and maxillary swing surgical approaches for nasopharygnectomy. North American Skull Base Society (25h Annual Meeting). Tampa, Florida, United States. Presenter(s): Nidal Muhanna.
- 2015 Feb 19 Preliminary results of the skull base inventory: A quality-of-life instrument for skull base pathologies. North American Skull Base Society (25h Annual Meeting). Tampa, Florida, United States. Presenter(s): Soroush Larjani.
- 2015 Feb 19 The radiologic anatomy of the olfactory fossa. North American Skull Base Society (25h Annual Meeting). Tampa, Florida, United States. Presenter(s): Eric Monteiro.
- 2014 Sep 14 IMRT with selective target volume approach in head and neck squamous cell carcinoma of unknown primary site. ASTRO 56th Annual Meeting. San Francisco, California, United States. Presenter(s): Hosni A, Huang SH, De Almeida J, Au M, Dixon P, Chan B, Su S, Xu W, Cho J, Giuliani M, Hope A, Bayley A, Kim J, Ringash J, O'Sullivan B, Waldron J.
- 2014 Jul 29 Transoral robotic surgery is cost-effective compared to definitive (chemo)radiotherapy for early T-classification oropharyngeal carcinoma: A cost-utility analysis. IFHNOS AHNS. New York, New York, United States. Presenter(s): John de Almeida.
- 2014 Jul 29 Prognostic implications of p16 status in carcinoma of unknown primary origin of the head and neck. IFHNOS AHNS. New York, New York, United States. Presenter(s): Peter Dixon.

# **GOLDSTEIN**, D et al

- 2014 Oct 30 Satisfaction with decisions on radioactive iodine use in low risk papillary thyroid cancer survivors. 84th
  Annual Meeting of the American Thyroid Association. Coronado, California, United States. Presenter(s): Sawka
  A, Straus S, Rodin G, Brierley J, Tsang R, Rotstein L, Ezzat S, Goldstein D.
- 2014 Oct 17 Refining UICC TNM stage and prognostic groups for HPV-related oropharyngeal carcinomas. 2014 Best of ASTRO Meeting. Miami, Florida, United States. Presenter(s): Huang S, Waldron J, Ringash, J, Bayley A, Kim J, Hope A, Cho J, Giuliani M, Perez-Ordonez B, Weinreb I, Chen E, Goldstein G, Xu W.
- 2014 Sep 14 Refining UICC TNM stage and prognostic groups for HPV-related oropharyngeal carcinomas. American Society for Therapeutic Radiology and Oncology (ASTRO) 56th Annual Meeting. San Francisco, California, United States. Presenter(s): O'Sullivan B, Huang SH, Shen XW, Waldron J, Ringash J, Bayley AJ, Kim J, Hope A, Cho J, Giuliani M, Perez-Ordonez, Weinreb I, Chen E, Goldstein D, Xu W.

# **INTERNATIONAL MEETINGS (continued)**

2014 Sep 14	Potential cure in HPV-related oropharyngeal cancer with oligometastases. American Society for Therapeutic Radiology and Oncology (ASTRO) 56th Annual Meeting. San Francisco, California, United States. Presenter(s): Huang SH, Waldron J, Xu W, Tong L, Ringash JG, Bayley AJ, Hope AJ, Kim J, Cho J, Giuliani ME, Perez-Ordonez B, Weinreb I, Chen E, Goldstein D, O'Sullivan B
2014 Jul 29	Human papillomavirus and survival of patients with head and neck unknown primary squamous cell carcinoma. 5th World Congress of IFHNOS & Annual Meeting of the AHNS. New York City, New York, United States. Presenter(s): Dixon PR, Au M, Huang SH, O'Sullivan B, Perez-Ordonez B, Razak A, Goldstein DP, de Almeida J. Oral Papers: Neck Disease II.
2014 Jul 29	Transoral robotic surgery may be cost-effective in the treatment of early T-classification oropharyngeal cancer compared to definitive (Chemo) radiotherapy: A cost-utility analysis. 5th World Congress of IFHNOS & Annual Meeting of the AHNS. New York City, New York, United States. Presenter(s): de Almeida JR, Moskowitz A, Miles BA, Goldstein DP, Teng M, Gupta V, Posner M, Genden EM. Oral Papers: Oral Pharynx II.
2014 Jul 29	Two BRM promoter insertion variatnts predict survival outcomes in patients with head and neck squamous cell carcinoma. 5th World Congress of IFHNOS & Annual Meeting of the AHNS. New York City, New York, United States. Presenter(s): Wang JR, Espin-Garcia O, Cheng D, Huang SH, Girgis H, Weinreb I, Liu FF, Xu W, Reisman DN, Brown DH, Gilbert RW, Gullane PJ, Irish JC, Goldstein DP, Liu G. Oral Papers: Molecular Biology III.
2014 Jul 26	The impact of elective neck dissection in the outcome of maxillary alveolus & hard palate squamous cell carcinoma of oral cavity. 5th World Congress of IFHNOS & Annual Meeting of the AHNS. New York City, New York, United States. Presenter(s): Givi B, Eskander A, Awad M, Del Bel R, Montero PH, Palmer FL, Xu W, de Almeida JR, Lee N, O'Sullivan B, Irish JC, Ganly I, Patel SG, Goldstein DP, Morris LG.
2014 Jul 26	A novel grading system for head and neck surgical complications. 5th World Congress of IFHNOS & Annual Meeting of the AHNS. New York City, New York, United States. Presenter(s): Sklar MC, Au M, Monteiro E, de Almeida JR, Shrime M, Clark J, Gilbert R, Gullane PJ, Irish JC, Brown D, Goldstein DP.

#### GORDON, K et al

2014 Jul 26

2015 Apr 25 Compensatory balance strategies in children with bilateral vestibular loss using cochlear implants. ASPO. Boston, Massachusetts, United States. Presenter(s): Wolter NE, Campos J, Gordon KA, Vilchez-Madrigal LD, Papsin BC, Cushing SL.

Presenter(s): Merdad M, Irish J, Hall S, Groome P, Freeman J, Urbach D, Goldstein DP.

Volume-outcome associations in head & neck cancer treatment: A systematic review and meta-analysis. 5th World Congress of IFHNOS & Annual Meeting of the AHNS. New York City, New York, United States.

# HARRISON, R

2015 Feb Vascular degeneration in the cochlea during CMV infection in a mouse model. Mid-Winter Meeting Association for Research in Otolaryngology (ARO), Bethesda Maryland, USA. Carraro M, Park A, Harrison RV.

#### JAMES, A et al

2015 Apr 25 Petromastoid pneumatization - Utilising a novel method for volumetric assessment. Triologic Society Meeting - COSM. Boston, Massachusetts, United States. Presenter(s): Peer S, James AL, Wolter NE, Yip J, Cushing SL, Papsin BC.

Evaluation of a magnetic resonance imaging only protocol in the assessment of children with sensorineural hearing loss prior to cochlear implantation. 14th Symposium of Cochlear Implants in Children. Nashville, Tennessee, United States. Presenter(s): Cushing S, James A, Papaioannou V, Gordon K, Blaser S, Papsin B.

#### LEE, J

2015 Apr 24 Presenter. Nasal nitric oxide as marker of sinus mucosal health in patients with nasal polyposis. American Rhinologic Society Combined Otolaryngology Spring Meeting. Boston, Massachusetts, United States. Presenter(s): Lee JM.

2015 Apr 24 Presenter. A multi-institutional study of risk factors for perioperative morbidity following endoscopic pituitary surgery. American Rhinologic Society Combined Otolaryngology Spring Meeting. Boston, Massachusetts, United States. Presenter(s): Boling CC, Karnezis TT, Baker AB, Lawrence LA, Soler ZM, Vandergrift III WA, Wise SK, DelGaudio JM, Patel ZM, Rereddy SK, Lee JM, Khan MN, Psaltis AJ, Sindwani R, Woodard T, Schlosser RJ.

## LIN, V

2015 Apr MRI-based tractography of the facial nerve in patients with and without cerebellopontine angle tumors. American Neurotology Society. Boston, Massachusetts, United States. Presenter(s): Hilly O, Lin V.

2015 Apr Cochlear implant position within the cochlea and performance outcome. American Neurotology Society. Boston, Massachusetts, United States. Presenter(s): Hilly O, Lin V.

2015 Jan Updated outcomes of cochlear implantation in adults with hearing exceeding current candidacy criteria.

Triological Society. San Diego, California, United States. Presenter(s): Hwang E, Lin V.

2014 Dec Semi-implantable bone conduction device - Clinical outcomes and QOL improvement. American Cochlear Implant Alliance. Nashville, Tennessee, United States. Presenter(s): Chen J, Lin V.

2014 Dec Transcutaneous bone conduction with the bonebridge. American Cochlear Implant Alliance. Nashville, Tennessee, United States. Presenter(s): Chen J, Lin V.

### NG, R et al

2014 July

Brushing and detection of EBV DNA for screening and detection of nasopharyngeal carcinoma. Ng R, Gullane P, Wei W, Ngai R. 5th World Congress – IFHNOS and Annual AHNS Meeting - Progress in Head and Neck cancer. New York, NY. United States.

#### PAPAIOANNOU, V

Overcoming barriers in paediatric cochlear implantation. Society for Ear, Nose and Throat Advances in Children, St. Louis, MO.

#### PROPST, E et al

2014 Sep 21 High-speed video or video stroboscopy in adolescents: which sheds more light? American Academy of Otolaryngology. Orland, Florida, United States. Presenter(s): Shinghal T, Low A, Russell L, Propst EJ, Campisi P.

#### SHIPP, D et al

2015 Jan Updated outcomes of cochlear implantation in adults with hearing exceeding current candidacy criteria. Triological Society, Combined Sections Meeting, Coronado, California, USA. Hwang E, Hilly O, Shipp DB, Nedzelski JM, Chen JM, Lin VYW.

# **INTERNATIONAL MEETINGS (continued)**

#### **VESCAN, A**

2014 Oct 31 Post-surgical stimulated thyroglobulin and neck ultrasound as personalized criteria for radioactive iodine

selection in low and intermediate risk papillary thyroid cancer. American Thyroid Association. Coronado,

California, United States. Presenter(s): Orlov S.

2015 Feb 19 Endoscopy for posterior fossa surgery: an experimental cadaver study. North American Skull Base Society

(25th Annual Meeting). Tampa, Florida, United States. Presenter(s): Klironomos G, Khan O, Mansouri A,

Vescan A, de Almeida JR, Gentili F, Radovanovic I, Zadeh G.

# **NATIONAL MEETINGS**

## DABDOUB, A

2014

Direct conversion of endogenous cells into functional neurons in the mammalian inner ear using defined transcription factors. Canadian Association for Neuroscience. Montreal, Quebec. Presenter(s): Dabdoub A. Authors: Dabdoub A, and Nishimura K.

## DE ALMEIDA, J

2014 Aug

Outcomes following radiotherapy in N3 head and neck cancer stratified by HPV status. 28th CARO Annual Scientific Meeting. St. John's, Newfoundland and Labrador. Presenter(s): Tran E, Huang SH, Waldron J, Shen X, Xu W, Yu E, De Almeida J, Razak A, Goldstein D, Perez-Ordonez B, Weinreb I, O'Sullivan B.

2014 Aug

Guidelines for selection of clinical target volume in head and neck squamous cell carcinoma of unknown primary site. 28th CARO Annual Scientific Meeting. St. John's, Newfoundland and Labrador. Presenter(s): Hosni A, Huang SH, De Almeida J, Au M, Dixon P, Chan B, Su S, Xu W, Cho J, Giuliani M, Hope A, Bayley AJ, Kim J, Ringash J, O'Sullivan B, Waldron J.

#### **GOLDSTEIN, D**

2014 Aug 25

Survival predictor in oropharyngeal cancer patients with distant metastasis. CARO 2014 Annual Scientific Meeting. St. John's, Newfoundland and Labrador. Presenter(s): Huang SH, Waldron J, Xu W, Tong L, Ringash J, Bayley A, Hope A, Kim J, Cho J, Giuliani M, Perez-Ordonez B, Weinreb I, Chen E, Goldstein D, O'Sullivan B.

#### HASSOUNEH, B

2015 Jun

The use of absorbable PDS plates in nasal septum reconstruction. Canadian Society of Otolaryngology-Head & Neck Surgery 69th Annual Meeting. Winnipeg, MB. Hassouneh B, Nassif PS.

2015 Jun

Does symptoms correlate with clinical findings in patients with nasal valve obstruction? Canadian Society of Otolaryngology-Head & Neck Surgery 69th Annual Meeting. Winnipeg, MB. Hassouneh B, Kim DW. Technical issues in combining FESS with rhinoplasty. Canadian Society of Otolaryngology-Head & Neck

2015 Jun

Surgery 69th Annual Meeting. Winnipeg, MB. Hassouneh B, Al-Fawaz F, Al-Oula M.

#### IRISH, J

2015 Apr 23

Culturally based values, illness intrusiveness, and subjective well-being in Asian-born Chinese and Western-born Caucasian people affected by head and neck cancer. CAPO. Montreal, Quebec. Presenter(s): Devins GM, Payne AYM, Lebel S, Lee RNF, Mah K, Irish J, & Rodin G.

Nedzelski J, Chen J, Lin V.

<b>LEE, J</b> 2015 Jun 6	Presenter. Exploring the psychological morbidity of waiting for sinus surgery using a mixed methods approach. Canadian Society of Otolaryngology-Head & Neck Surgery Annual Meeting. Winnipeg, MB. Presenter(s): Tsang G, Lee JM. Poliqun Resident Research Competition.
<b>LIN V</b> 2015 Jun	Vestibular function following unilateral cochlear implantation for profound sensorineural hearing loss. Canadian Society of Otolaryngology-Head & Neck Surgery. Winnipeg, MB. Presenter(s): Le Nobel G, Lin V. Poliquin Resident Research Competition.
2015 Jun	Cochlear Implantation in adults with hearing exceeding current dandidacy criteria: Updated clinical and quality of life outcomes. Canadian Society of Otolaryngology-Head & Neck Surgery. Winnipeg, MC. Presenter(s): Hwang E, Lin V.
2015 Jun	Stability of cochlear implant functional outcomes in elderly patients - Long-term Results. Canadian Society of Otolaryngology-Head & Neck Surgery. Winnipeg, MB. Presenter(s): Hilly O, Lin V.
2015 Jun	Cochlear implant position within the cochlea and performance outcome. Canadian Society of Otolaryngology-Head & Neck Surgery. Winnipeg, MB. Presenter(s): Hilly O, Lin V.
2015 Jun	Clinical and Quality of life outcomes in adults with semi-implantable active bone conductive devices. Canadian Society of Otolaryngology-Head & Neck Surgery. Winnipeg, MB. Presenter(s): Hwang E, Lin V.
<b>PROPST, E</b> 2015 May 4	Simulation-based workshop on teamwork skills for Otolaryngology, anesthesiology and nursing: Resources, challenges and impact. 7th International Pediatric Simulation Symposium and Workshops 2015. Vancouver, BC. Presenter(s): Ng E, Roy WL, Campisi P, Forte V, Propst EJ, Everett T.
<b>PAPSIN, B</b> 2015 Apr 20	Is the auditory system educable? What pediatric cochlear implantation has taught us about the developing brain. (The 6th H. Bruce Willams Lecture). The Montreal Children's Hospital, Department of Surgery, McGill University Health Centre, Annual Research Day. Montreal, Quebec.
2014 Oct 1	Language development after cochlear implantation in children: Lessons learned. The Ministry of Education/The Provincial Board of Education. Winnipeg, MB. This one day symposium was organized by the Central Speech and Hearing Center in conjunction with the Ministry of Education to prepare the educational system to absorb the impact of neonatal hearing screening which begins in Manitoba in Sept 2016.
SHIPP, D et al 2014 Jun 2014 Jun	Cochlear Implantation in adults with hearing exceeding current candidacy criteria: Update of clinical and quality of life outcomes. 69 <sup>th</sup> Annual Meeting, Canadian Society of Otolaryngology-Head & Neck Surgery, Winnipeg, MB. Hwang E, Hilly O, Shipp DB, Smith L, Nedzelski JM, Chen JM, Lin VYW. Stability of cochlear implant functional outcomes in elderly patients – Long-term results. 69 <sup>th</sup> Annual Meeting, Canadian Society of Otolaryngology-Head & Neck Surgery, Winnipeg, MB. Hilly O, Hwang E, Shipp DB, Nedzelski JM, Chen JM, Lin VYW.
2014 Jun	Cochlear implant position within the cochlea and performance outcomes. 69th Annual Meeting, Canadian Society of Otolaryngology-Head & Neck Surgery, Winnipeg, MB. Hilly O, Hwang E, Shipp D, Symons S,

# PROVINCIAL/LOCAL MEETINGS

Λ	R	E		C
А	D	ᆮ	L.	o

2014 Nov Abel SM, Ho G, Burrell C, Smith I. Audiovisual messaging during command and control operations: Help or

hindrance? Military and Veterans Health Research Forum (Forum 2014), Toronto, ON.

## ANDERSON, J

2015 Jun Outpatient endocrine procedures: Review of postoperative complications. Canadian Society of

Otolaryngology-HNS. Winnipeg, MB. Presenter(s): Shinghal T.

# **CUSHING, S et al**

2015 May 8 Unilateral hearing loss is associated with impaired balance in children. Percy Ireland Academic Day. Toronto, ON. Presenter(s): Wolter NE, Vilchez-Madrigal LD, Gordon KA, Papsin BC, Cushing SL.

2015 May 8 Vestibular Function following unilateral cochlear implantation for profound sensorineural hearing loss.

Percy Ireland Academic Day. Toronto, ON. Presenter(s): le Nobel G, Cushing SL, Lin V.

2015 May 8 Using vestibular and balance function to screen for usher syndrome in children with sensorineural hearing

loss and cochlear implants. Percy Ireland Academic Day. Toronto, ON. Presenter(s): Oyewumi D, Papsin BC,

Cushing SL.

2015 Apr Student led screening program: Avenue for pre-clerkship medical education. Canadian Conference on

Medical Education. Ottawa, ON. Presenter(s): Duan L, Zendel B, Eskander A, Papaioannou V, Cushing SL,

Papsin BC.

2014 Oct 16 Quantification of balance dysfunction in children with cochleovestibular loss and cochlear implants. 8th

International Symposium on Objective Measures in Auditory Implants. Toronto, ON. Presenter(s): Wolter NE,

Gordon KA, Papsin BC, Cushing SL.

## DABDOUB, A

2014 Oct 8 Regeneration of auditory neurons by direct reprograming of endogenous cells in the mammalian inner ear.

SRI Trainee Seminar Series. Toronto, ON. Presenter(s): Nishimura K. Postdoctoral Trainee Speaker

Presentation.

#### DE ALMEIDA, J et al

2015 May 8 Intraoperative image guidance in transoral robotic surgery - A pilot GTx study. Percy Ireland Annual

Research Day. Toronto, ON. Presenter(s): Ma A, Daly M, Chan H, Qiu J, de Almeida J.

2015 May 8 Comparing transnasal endoscopic with maxillary swing nasopharyngectomy: An anatomic cadaver study.

Percy Ireland Annual Research Day. Toronto, ON. Presenter(s): Au M, Muhanna N, de Almeida J.

2015 May 8 Association of Pharyngocutaneous fistula on locoregional control in salvage laryngectomy. Percy Ireland

Annual Research Day. Toronto, ON. Presenter(s): Hugh S, de Almeida J, Gullane P, Goldstein D.

2015 May 8 Session Chair. Category 4 - Work undertaken by PGY4 residents during clinical rotation. Percy Ireland

Annual Research Day. Toronto, ON.

# PROVINCIAL/LOCAL MEETINGS (continued)

IRISH, J

2015 Feb

The MaxLife psychoeducational program: Overview of the development and ongoing pilot evaluation of a self-management intervention for newly diagnosed head and neck cancer patients. Personalizing Cancer Medicine Meeting. Toronto, ON. Presenter(s): Cosentino N, Mah K, Irish J, Ringash J, Martino R, Hart T, Lebel S, Katz M, Haerle S, Hasson C, Devins GM.

NG, R

2015 May

Current management of nasopharyngeal carcinoma. Health Care International - Continue Health Interactive Education Forum (CHIEF). Toronto, ON.

The data provided within this annual report does not include information pertaining to faculty members:
Julija Adamonis, Maxine Armstrong, Ashlin Alexander, Sumeet Anand, Jamil Asaria, Jason Atlas, Safaraz Banglawala,
Glenn Beard, Greg Belchetz, Michael Brandt, Deron Brown, Roman Chaban, Nitin Chauhan, Al Chiodo, KY Chow, Janet
Chung, Joseph Da Silva, Dustin Dalgorf, William Elmasri, David Finkelstein, Andres Gantous, David Goldfarb, Everton
Gooden, Karen Gordon, Aman Grewal, Hany Guirgis, David Hacker, Jim Haight, Jerry Halik, Robert Hekkenberg,
Theresa Holler, Bradley Hubbard, Martyn Hyde, Thileep Kandasamy, Anil Katyal, William Kaul, Jack Kolenda, Mark
Korman, Randy Leung, Bosco Lui, Berge Marcarian, Jeffrey Mendelsohn, Robert Mounsey, David Naiberg, Karim
Nazarali, Alfred Oh, Xerxes Punthakee, Ranju Ralhan, Richard Rival, Nadarajah Sanjeevan, Raewyn Seaberg, Lorne
Segall, Manish Shah, Jack Shahin, Oakley Smith, Alma Smitheringale, Philip Solomon, Victor Toran, Adam Toth, Jeffrey
Werger, Adrienne Wong



Departmental Program Directors: Joseph Chen (2001-2004), Dale Brown (1998-2001), Wilf Goodman (1967-1988), Ian Witterick (2004-2012), Paolo Campisi (2012-present), Derek Birt (1988-1998)



Living Departmental Chairs: Peter Alberti (1982-1992), Patrick Gullane (2002-2012), Ian Witterick (2012-present), Julian Nedzelski (1992-2002)



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