



ANNUAL REPORT 2013-2014



Otolaryngology - Head & Neck Surgery
UNIVERSITY OF TORONTO

Leading Innovation. Achieving Impact



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UNIVERSITY OF TORONTO - FACULTY OF MEDICINE

Department of Otolaryngology–Head & Neck Surgery

Professor and Chair
 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
 Director of Research

Dr. I.J. Witterick
 Dr. P. Campisi
 Dr. A. Chiodo
 Dr. A. Vescan
 Dr. J. Lee

 Dr. Y. Chan
 Dr. R.V. Harrison

Otolaryngologists-in-Chief:

University Health Network
 Mt. Sinai Hospital
 The Hospital for Sick Children
 St. Michael's Hospital
 Sunnybrook Health Sciences Centre
 Toronto East General Hospital
 St. Joseph's Health Centre
 North York General Hospital
 Mississauga Academy of Medicine

Dr. R. Gilbert
 Dr. I.J. Witterick
 Dr. B. Papsin
 Dr. J. Anderson
 Dr. J.M. Chen
 Dr. O. Smith
 Dr. R. Fox
 Dr. E. Gooden
 Dr. J. Mendelsohn

Division Chiefs:

Head and Neck Oncology
 Facial Plastic and Reconstructive Surgery

Dr. R. Gilbert
 Dr. P. Adamson

Committee Chair Holders:

Executive
 Undergraduate
 Postgraduate
 Continuing Professional Development
 Research
 Audiology
 Departmental Appointments Committee (DAC)
 Departmental Promotions Committee (DPC)
 Budget Advisory
 Community Academic Faculty
 Advancement

Dr. I.J. Witterick
 Dr. A. Chiodo
 Dr. P. Campisi
 Dr. Y. Chan
 Dr. R.V. Harrison
 Ms. V. Papaioannou
 Dr. J.C. Irish
 Dr. R.V. Harrison
 Dr. I.J. Witterick
 Dr. Y. Chan
 Dr. P.J. Gullane



Vision, Mission and Values

Vision

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

Mission

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

Values

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

Edited By:

Dr. I. J. Witterick

Acknowledgements To:

Ms. S. Valente

Ms. A. Martin

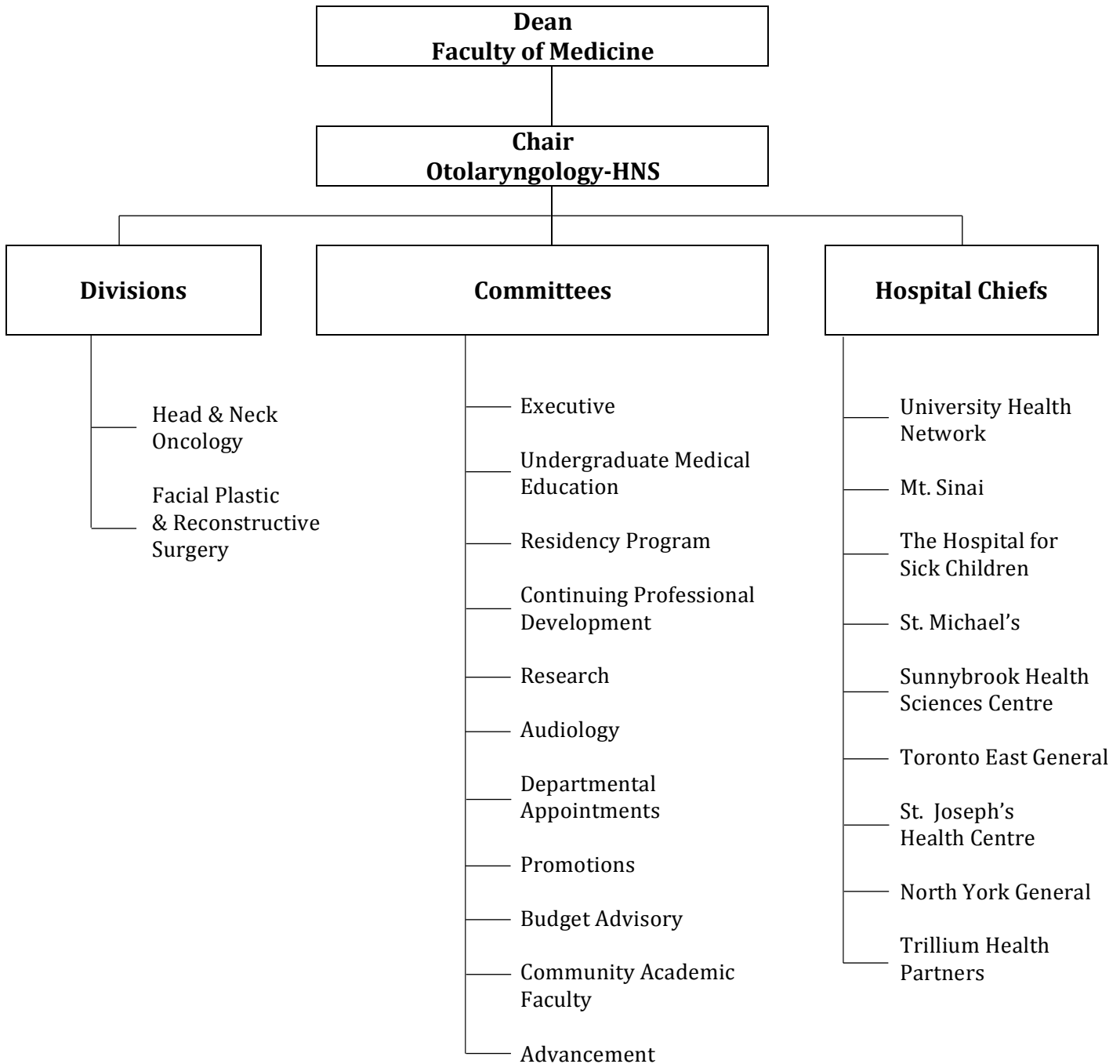
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Department of Otolaryngology-Head & Neck Surgery

Organizational Structure





Chair's Report

Dr. Ian Witterick



It is a privilege to serve as Chair of the Department of Otolaryngology-Head & Neck Surgery at the University of Toronto. Our Department is very strong and continues to lead nationally and internationally in clinical care, education and research. I am pleased to bring you this Annual Report for the 2013-14 academic year which highlights events that occurred in the Department and details accomplishments of our faculty, residents and fellows.

I am very thankful to our Faculty of Medicine leadership and our dedicated faculty, residents and fellows who have helped and supported me. We are in exciting times that are changing, maturing and starting over. There is a real sense of optimism, collegiality and cooperation that permeates throughout the Department and will continue to make our program strong on an international level. We are helping to shape the future of our specialty in Canada and abroad.

There are many details in this report and the following summarizes some of the highlights.

Changes in Hospital Leadership

Dr. Oakley Smith completed his 10-year term as Otolaryngologist-in-Chief at Toronto East General Hospital (TEGH) on June 30, 2014. Dr. Smith did a wonderful job as Chief over the last 10 years at TEGH and has also been our specialty's provincial representative at the Ontario Medical Association. A search committee was struck including hospital and university representation. I am pleased to announce that Dr. Al Chiodo was selected as the succeeding Chief at TEGH effective July 1, 2014. I would like to thank Dr. Smith for his years of service, advice and help and look forward to working with Dr. Chiodo in his new capacity.

Changes in University Leadership

Dean Catharine Whiteside will finish her term on December 31, 2014 and the search committee (which included Dr. Pat Gullane) selected Professor Trevor Young, Chair of Psychiatry, as the next Dean of the Faculty of Medicine effective January 1, 2015. Dean Whiteside continues to be a wonderful role model and is a firm supporter of our department. She commands respect for her intelligence, integrity, leadership and administrative capabilities. On behalf of our Department, I would like to thank Dean

Whiteside for all of her support and wish her every success in the future for health and happiness.

Professor Young received his medical degree at the University of Manitoba, residency training at McGill University and the University of Toronto, PhD in Medical Sciences at the University of Toronto and Research Fellowship at Johns Hopkins University. Professor Young was appointed Chair, Department of Psychiatry in September 2010. His former roles include Physician-in-Chief, Executive Vice President Programs at the Centre for Addiction and Mental Health, Professor and Cameron Wilson Chair in Depression Studies in the Department of Psychiatry at the University of Toronto, and Professor and Head, Department of Psychiatry, University of British Columbia. He has received numerous awards and is a Distinguished Fellow of the American Psychiatric Association. In 2009, he was elected as a Fellow of the Canadian Academy of Health Sciences. On behalf of our Department, I welcome Professor Young to his new role as Dean of Medicine and look forward to working with him.

Education

On the education front we have had another outstanding year. I need to thank the education leads, Dr. Al Chiodo (Undergraduate Medical Education - UME), Dr. Paolo Campisi (Postgraduate Medical Education - PGME) and Dr. Yvonne Chan (Continuing Professional Development - CPD) for their incredible insights, hard work and contributions to our educational mission. These three individuals are exceptional educators.

Undergraduate Medical Education

Dr. Chiodo is assisted by Dr. Allan Vescan (Pre-Clerkship Director) and Dr. John Lee (Post-Clerkship Director). One of their major innovations was the introduction of community-based otolaryngology-hns clerkship experiences. This started with a successful pilot program at TEGH and then expanded so that in 2013-14, 134 clerks did their otolaryngology-hns clerkship rotation in community sites. This required recruitment of community faculty preceptors, faculty development sessions and a large amount of organization to put in place. The teaching evaluation scores have been excellent and I am so pleased that this initiative is working to provide third year medical students with a rich experience in our specialty. I would like to extend my sincere gratitude to our community academic faculty who have enthusiastically supported this initiative.

In preclerkship, we have expanded our curriculum's footprint in both year 1 and 2. For the first time ever, we were involved with the Art and Science of Clinical Medicine (ASCM) I course with teaching of normative physical examination skills to first year medical students. In addition, our faculty taught several large classroom otoscopy sessions using OtoSim™ units purchased by our Department through a \$200,000 donation from Mr. Ralph Chiodo. In addition, we have received substantial support from OtoSim™ leadership

and our own faculty, especially Drs. Paolo Campisi and Vito Forte. In year 2, our Department also had expanded teaching hours in the Mechanisms, Manifestations and Management of Disease (MMMD) course. In postclerkship, we have expanded our presence in the Transition to Residency Program. Our department also hosted two sessions for medical students to learn more about our specialty. My thanks as well to Drs. Davidson, Smitheringale and Zirkle who continue to teach in the Problem Based Learning Course.

Our department in conjunction with the CSO-HNS held a very successful Canadian Conference on Undergraduate Medical Education on October 19, 2013. Directors and leadership from Canadian Otolaryngology-Head and Neck Surgery Undergraduate Programs came to Toronto to discuss common themes in UME across Canada. Continued collaboration and working groups were formed to enhance undergraduate education. A special thank you to Dr. Al Chiodo from our faculty and Dr. Kevin Fung (Western University) who were instrumental in organizing this conference.

Dr. Chiodo is stepping down from his position as Director of UME as of June 30, 2014 as he takes on the role of Otolaryngologist-in-Chief at TEGH. A search committee was struck including representation from the University, our Department and medical students to find a replacement. I am pleased to announce that Dr. Allan Vescan was unanimously endorsed as the successor to Dr. Chiodo. I know Dr. Vescan will continue the high standards of excellence achieved by Dr. Chiodo and look forward to working with him in his new capacity as Director of UME effective July 1, 2014.

Postgraduate Medical Education

Dr. Campisi continues to do a wonderful job as Program Director with many new initiatives in curriculum, prep camp, boot camp, practical courses (soft tissue, sinus, rhinoplasty, fillers, laser, temporal bone), standardized patients, resident retreats, trivia contest and a sleep medicine rotation to name a few. There are half a page of research and teaching awards related to PGME in this report. We continue to attract a large number of high quality fellows from across the globe; these fellows significantly enrich our clinical, education and research programs through their previous experience and can-do attitude.

I am also pleased that all of our PGY5 residents were successful in passing their Royal College certification examination in 2014. Congratulations to Drs. Eric Arruda, Janet Chung, Aman Grewal, Mazin Merdad and Tulika Shingal. Dr. Campisi started a new initiative this year with a Graduation Ceremony for graduating residents and fellows in which all of the department and the graduate's families were invited to attend. The ceremony took place on June 16, 2014 at University of Toronto's Hart House Gallery Grill and graduates received their PGME certificate and a yearbook; we hope to make this an annual tradition.

Continuing Professional Development

Dr. Yvonne Chan continues to provide substantial energy and new ideas to the CPD portfolio. We again had numerous visiting professors and organized courses during the academic year. She is planning new courses not only for our specialty but Family Practice and others.

In July 2013, members of our department (Drs. Jeremy Freeman and Ian Witterick) were part of the organizing committee for a very successful 2nd World Congress on Thyroid Cancer held at the Sheraton Hotel in Toronto. There were over 1000 participants from more than 60 countries. In addition, over the next two years, our Department will host two international cochlear implant meetings; the first in October 2014 organized by Drs. Karen Gordon and Blake Papsin and the second in 2016 organized by Drs. Joe Chen and Julian Nedzelski. Thank you to Dr. Vito Forte for coordinating Grand Rounds which continues to be available on-line through the Ontario Telehealth Network each Friday morning.

Research

Dr. Robert (Bob) Harrison, Director of Research, had another successful year shepherding our clinical and basic science research programs as detailed in his report. There was a well-attended and successful research evening on November 27, 2013. Year after year we see many new projects described which cover the breadth of our specialty from auditory and vestibular science to head and neck oncology. This meeting is a great source of pride for our Department and an important venue for everyone to learn about the wonderful research taking place by our residents, fellows and faculty.

Dr. Harrison has reorganized and reinvigorated the Research Committee to help foster collaboration, generate new ideas and help steer our research agenda. We continue to fund faculty to take CIHR grant writing courses.

We had a very successful Percy Ireland Annual Academic Day and Dinner on May 8-9, 2014. The quality of the resident, fellow and graduate research papers was excellent. The Guest of Honour was Dr. Julian Nedzelski and the Visiting Professor was Dr. Jonathan Sykes, Director, Facial Plastic and Reconstructive Surgery, Department of Otolaryngology/Facial Plastic Surgery, University of California, Davis who delivered The Percy Ireland Oration titled: "Care of the Patient with Orofacial Clefting: A joyful but humbling experience". In addition, 22 papers were presented by the postgraduate/graduate trainees. Congratulations to all of the residents, fellows and faculty mentors who participated.

Details of publications and presentations are detailed elsewhere in this report. However, I would like to point out there were more than 190 publications in 100 journals and over 240 invited presentations/lectures/panels in 30 countries outside of Canada.



External Review

Dr. Jennifer Anderson, Otolaryngologist-in-Chief at St. Michael's Hospital (SMH) underwent a successful 5-year external review late in 2013. Dr. Paul Kerr, Chair of Otolaryngology-HNS from the University of Manitoba conducted the external review and had many positive compliments for Dr. Anderson and the department at SMH. Congratulations to Dr. Anderson on her re-appointment for another 5-year term as Otolaryngologist-in-Chief at SMH.

Retirement

Dr. Fructuoso (Nito) de Souza retired from active practice. He was on staff at the Mississauga Academy of Medicine and SMH and is a long-time supporter of the Department. I wish him health and happiness in retirement.

New Faculty

There are many new faculty in the Department. I would like to welcome our newest full-time faculty member Dr. David Pothier who officially started on July 1, 2013. Dr. Pothier is based at UHN as an otologist/neurotologist along with Dr. John Rutka. David already has an international reputation for his vestibular research and endoscopic ear surgery.

There were searches for full-time faculty members at Mount Sinai Hospital (MSH) and the University Health Network (UHN). Dr. Doug Chepeha was selected at UHN and will start in October 2014. He was recruited from the University of Michigan and comes with a solid track record in research and an international reputation in head & neck oncology and reconstruction. He will be appointed as a Full Professor. At MSH, Dr. Eric Monteiro was selected and will start in July 2015 following one additional year of fellowship. Dr. Monteiro is completing a Masters degree in Quality & Safety at the University of Toronto. At the Mississauga Academy of Medicine, there was a search struck for two new faculty members. I am pleased to say that two of our graduates, Dr. Aman Grewal and Dr. Janet Chung, were selected as the new faculty members and will be appointed to our Department as Adjunct Lecturers. At Toronto East General Hospital, the search for a new faculty member selected Dr. Brad Hubbard who will start practice in July 2014. There remains an active search for a new full-time faculty member at St. Michael's Hospital. New Lecturer Adjunct Faculty approved by the Departmental Appointments Committee are: Drs. Ashlin Alexander, Sumeet Anand, Jason Atlas, Roman Chaban, Dustin Dalgorf, David Hacker, Thileep Kandasamy and Alfred Oh. Dr. Raymond Ng was appointed as an Adjunct Assistant Professor as of January 1, 2014. A warm welcome to all of our new faculty!

Celebrating our Faculty

A reception was held on September 12, 2013 at the University of Toronto's Faculty Club to honour three distinguished faculty for their achievements over the

previous academic year (2012-13). These were Dr. Vito Forte for his role as Otolaryngologist-in-Chief at SickKids for a successful 10-year term, Dr. John Lee on his promotion to Assistant Professor and Dr. Arnold Noyek on being named as an Officer of the Order of Canada (induction ceremony November 22, 2013).

Promotions/Change in Status

Congratulations to Drs. Al Chiodo, Dan Enepekides and Kevin Higgins who were all successful in the promotion process and will be promoted to the Associate Professor level effective July 1, 2014. A celebration for these three individuals and Dr. Oakley Smith (stepping down as Chief at TEGH) is planned for September 30, 2014 at the Faculty Club. I would also like to congratulate Drs. Sharon Cushing, Evan Propst and Allan Vescan who all successfully passed their probationary term reviews and have been granted full-time academic status.

Dr. Dan Enepekides was initially named the Interim Head of Surgical Oncology at the Odette Cancer Centre (Sunnybrook) and Regional Surgical Oncology Lead, Cancer Care Ontario. He has now been appointed as the Head of these programs, congratulations! This means two otolaryngology-head & neck surgeons are the leads for the surgical oncology programs of the two cancer centres in Toronto.

Awards and Honours

Dr. Ralph Gilbert was named as the first Chair holder of the Gullane Family/O'Neil Family Chair in Otolaryngology-Head & Neck Surgery. This \$3 million dollar endowed Chair held at the Princess Margaret Foundation was generously donated by grateful patients, colleagues and family of Dr. Patrick Gullane. Dr. Murray O'Neil achieved a very successful career in medicine and farming and was effectively treated by Dr. Gullane for a head & neck malignancy. When Dr. O'Neil passed away shortly after his 80th birthday in 2013, the PMH Foundation received a \$1 million bequest from Dr. O'Neil's estate which was directed to complete the Gullane Family/O'Neil Family Chair in Otolaryngology-Head & Neck Surgery.

Dr. Peter Adamson was selected as the 2013 Gene Tardy Scholar given to the surgeon judged to have advanced the teaching and science of facial plastic surgery by virtue of unusually exemplary and unique teaching contributions and outstanding leadership qualities, resulting in enduring benefit to the specialty. Dr. Adamson also received the Lifetime Achievement Award from the Canadian Society of Otolaryngology-Head & Neck Surgery at their 68th Annual Meeting in Ottawa on May 11, 2014.

Congratulations also to Dr. Pat Gullane who was President of the Canadian Society of Otolaryngology- Head and Neck Surgery this year and presided over a most successful annual meeting in Ottawa in May 2014.

Awards are highlighted elsewhere in this report but I think it is particularly important to emphasize the Departmental award winners as these individuals have contributed so much to our Department and are so deserving of recognition. The Departmental award winners include:

Dr. Jennifer Wang - Chapnik, Freeman and Friedberg Clinical Scientist Award

Dr. Julian Nedzelski - Distinguished Alumnus Award

Dr. Allan Vescan - Faculty Teacher of the Year Award

Dr. Nikolaus Wolter - Judy Chauvin Otolaryngology Resident Award

Dr. Noah Sands - Kris Conrad Merit Award in Facial Plastic Surgery

Dr. Janet Chung - Freda Noyek Otolaryngology Merit Award

Dr. Aman Grewal - Resident Teacher of the Year Award

Dr. Yvonne Chan - Resident Advocacy Award

Dr. Sarah Hugh - Shiley E.O. Pelousa Award

Dr. Al Chiodo - The Alma Smitheringale Excellence in Undergraduate Teaching Award

Dr. Xiao Zhao - The Wharton Head & Neck Research Award

Dr. Jennifer Wang - Raymond H. W. Ng Graduate Award

Ms. Melissa Polonenko - Raymond H. W. Ng PhD Award

Alumni Relations

Our alumni are extremely important to us and we have made a concerted effort to connect and engage our alumni. Successful alumni receptions were held at the 2nd World Congress on Thyroid Cancer meeting in Toronto on July 13, 2013 and at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting in Vancouver on September 30, 2013. The second annual "Alumni and Friends Dinner" took place after Otolaryngology Update on February 8, 2014. The venue was the University of Toronto's Faculty Club and we had a great dinner and "interesting" entertainment; there were more than 120 in attendance and overall we thought the evening was a great success. The next event was our Percy Ireland Dinner on May 8, 2014 which brought together over 110 faculty, residents and fellows at the Park Hyatt Hotel.

At this year's Alumni and Friends Dinner, we started a tradition of honouring graduates of our program who graduated 25 years ago. For this first year, we honoured any alumnus who graduated more than 25 years ago and offered to have the alumnus and a guest to the dinner as our guests. In the 2014-15 academic year, we will honour the resident and fellow graduates of 1989.

Future alumni events are planned in New York City on July 27, 2014 at Planet Hollywood as part of the 5th World Congress of IFHNOS/Annual Meeting of the AHSN and September 30, 2014 at the Hyatt Regency Hotel in Orlando, FL as part of the AAO-HNS annual meeting. The next Alumni and Friends Dinner will be held on February 7, 2015 at the University of Toronto's Hart House.

Advancement

A successful advancement dinner on November 26, 2013 organized by grateful patients of Dr. Al Chiodo raised approximately \$105,000 of a \$200,000 pledge. This money will be used to support UME to purchase OtoSim™ simulators to teach University of Toronto medical students otoscopy skills. Our sincere thanks to Mr. Ralph Chiodo (no relation to Al) and Mr. Joe Falcone for their vision and support of our Department. A second fundraising dinner to complete the pledge is planned for January 22, 2015.

Dr. Jeremy Freeman and the MSH Foundation organized the 2nd Annual Harry Barberian Memorial Dinner on May 5, 2014 to honour Mr. Harry Barberian, an iconic restaurateur in Toronto. The family of the late Mr. Harry Barberian were most grateful to Dr. Jeremy Freeman for his exemplary care. Mr. Ken Taylor, former Canadian Ambassador to Iran and a key figure in the Academy Award Winning film *Argo* was the Guest Speaker. Approximately \$95,000 was raised which will be used to support faculty, resident/fellow and graduate research in the Department.

This global telehealth suite at Mount Sinai Hospital, a pioneering project of the Dr. Arnold M Noyek, OC Legacy Fund, officially opened with a dedication ceremony on June 17, 2014. By eliminating the barriers of time and distance, interactive knowledge-sharing telemedicine makes it possible for health care professionals to expand patient access to diagnosis and treatment, support opportunities for professional collaboration and student, resident and faculty networking provincially, nationally and internationally. The telehealth suite will enhance distance learning opportunities for our Department and University.

Strategic Plan

We launched our Strategic Academic Plan 2013-2018 in October 2013 and the implementation strategy is on track. I am indebted to all of our departmental leaders for their help and support in moving our plan forward. We have a great team of hospital chiefs, education directors and faculty who continue to lead our specialty. We will continue to report regularly on our progress with this plan over the coming years. The plan is available on our website.

Great Support

A special thank you to the three individuals who keep our Department running: Ms. Audrea Martin, Business Officer, Ms. Sonia Valente, Executive Assistant and Ms. Sandra Kellogg, Postgraduate/Undergraduate Administrative Assistant.

We have an outstanding faculty, our residents and fellows are of the highest caliber and the education and research taking place in our Department is world class. My sincere thanks to all of our dedicated faculty, fellows and residents for making this such a wonderful Department. I hope you enjoy looking at this report and please let me know if you have any questions.



Alumni and Friends Events

**July 13, 2013 – in conjunction with the
2nd World Congress on Thyroid Cancer**



**L to R: Drs. Aman Grewal (PGY5),
Paolo Campisi, Artur Gevorgyan**



**L to R: Drs. Nidal Muhanna, Patrick Gullane,
and Chris Dhepnorrrat**



**L to R: Drs. Aman Grewal, Yvonne Chan,
Paolo Campisi, and Eric Monteiro**



**September 30, 2013 – in conjunction with
AAO-HNS Annual Meeting in Vancouver**



**L to R: Drs. Esam Al-Bawardi, Yvonne Chan,
Usamah Abu-Shamma, and Michael Chang**



Drs. Jeff Werger (left) and Clifford Fabian



L to R: Drs. Kevin Clarke, Frank Wong, Rick Fox, and Lorna Minz



L to R: Drs. Nitin Pagedar, Jane Lea, Arif Janjua, Blake Papsin, and wife Lisa Papsin



L to R: Drs. Roy Cheung, Yvonne Chan, Kenny Ngo, and Vance Tsai



Drs. Ian Witterick (left) and Eitan Prisman



L to R: Drs. Dev Kamdar, David Pothier and Patrick Gullane



Drs. David Pothier (left) and Adrian James



L to R: Drs. Vinay Fernandes, Tony Eskander, Eric Monteiro, Ian Witterick, Lukas Kus, Paolo Campisi, and Yvonne Chan



L to R: Drs. Lukas Kus, Jack Kolenda and Luke Harris



Drs. Lukas Kus (left) and Alex Osborn



Drs. Luke Harris (left) and Vinay Fernandes



L to R: Drs. Paul Mick, Eitan Prisman and Jane Lea



L to R: Drs. Sanjee Nadarajah, Jason Rich, Vinay Fernandes, Paolo Campisi, Lukas Kus, Artur Gevorgyan and wife Eileen.



L to R: Drs. Usamah Abu-Shamma, Julian White, Vance Tsai and Esam Al-Bawardi



Drs. Vance Tsai (left) and Neil Lofchy

Alumni Dinner, February 8, 2014 University of Toronto's Faculty Club



Drs. Nitin Chauhan (left) and Russell Hollins



Drs. Adrian James (left) and Ashlin Alexander



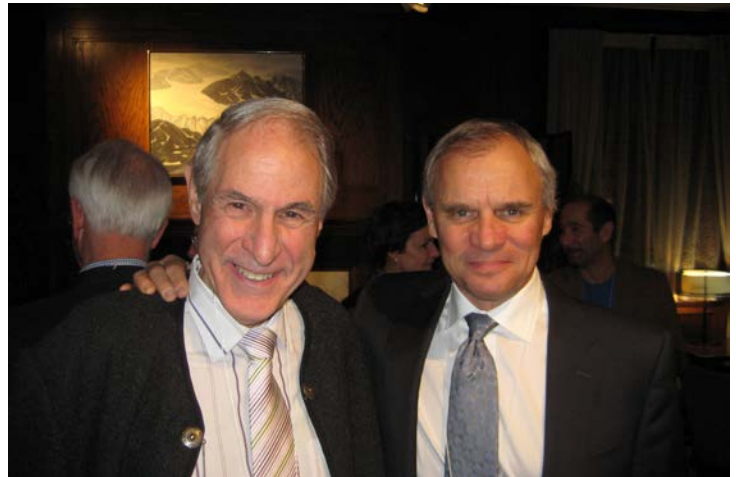
L to R: Drs. Eric Arruda and wife Maria, Yvonne Chan and Jeff Young (elective)



L to R: Susan Ellis, Dr. Ellis, Dr. Bill Crysdale and his wife Joan



Farzana Rajwani (left) and Dr. Joseph Da Silva



Drs. Jim Haight (left) and Joe Warshawski



L to R: Dr. Jack Friedberg, and wife Lily Friedberg, and Lynn Haight



Drs. Barb Cruickshank (left) and Patrick Gullane



L to R: Drs. Len Makerewich, Ralph Gilbert and Steve Siomra



Drs. Joseph da Silva (left) and David Goldfarb



Drs. Gavin le Nobel (left) and Christopher Yao



Drs. Steve Siomra (left) and Cam MacArthur



L to R: Drs. Brad Hubbard, Eric Arruda, Patrick Gullane, Sumeet Anand and Maria Arruda



L to R: Drs. Jonathan Bernstein, Eric Monteiro, Ondina Bernstein and Dr. Dustin Dalgorf



L to R: Drs. John Rutka and wife Marilena, Len Makerewich and Steve Siomra



L to R: Mrs. Wade, Mrs. MacArthur, Drs. Ralph Gilbert, Jeremy Freeman, Cam MacArthur and Phil Wade



L to R: Dr. David Goldfarb, Jennifer Milo and Stephanie Cyr (Merck Canada)



L to R: Dr. Barb Cruickshank, Jenny Witterick, Drs. Michael Au, Aimee Mabini and Vincent Lin. Back: Drs. Anthony Jahn and Patrick Gullane



L to R: Drs. John Lee, Ashlin Alexander, Nitin Chauhan, Dustin Dalgorf, (back): Russell Hollins, Sanjeev Nadarajah



L to R: Aline Grewal and Dr. Aman Grewal, Dr. Ian Witterick, Maria and Dr. Eric Arruda



**L to R: Dr. Janet Chung and husband Adam Roach,
Dr. Tulika Shinghal and husband Ajay Jain,
Dr. Adrienne Wong and husband Dr. Randy Leung (back)**

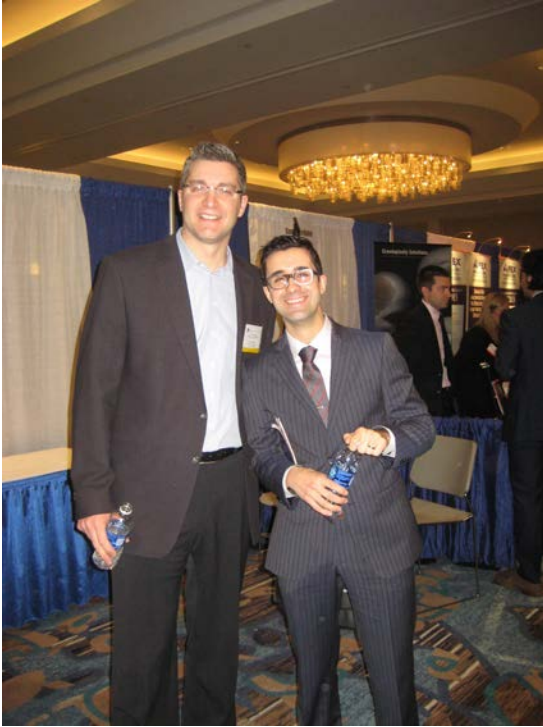


**L to R: Dr. Jonathan Bernstein and wife Ondina
and Dr. Eric Monteiro**





**February 2014 - in conjunction with
North American Skull Base Meeting, San Diego**



Drs. Allan Vescan (left) and Eric Monteiro



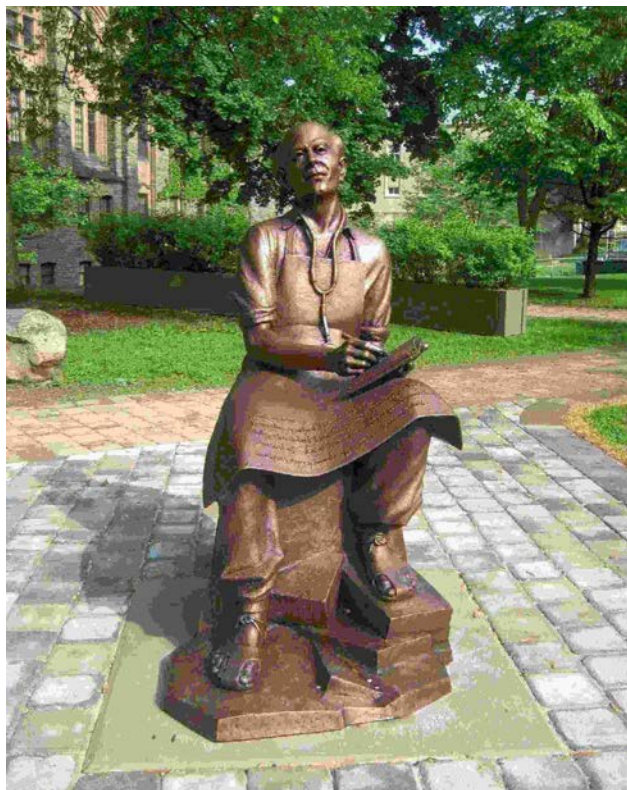
**L to R: Drs. Chris Dhepnorrarat, Allan Vescan,
Ian Witterick, Eric Monteiro and Arif Janjua**



L to R: Drs. John Yoo, Ian Witterick and Ralph Gilbert

Other

Norman Bethune Gala and sculpture unveiling May 30 & 31, 2014



L to R: Professor Gang Zheng, Drs. Raymond Ng, Fei-Fei Liu, Dean Gabriel Leung, Dean Catharine Whiteside, Dr. Ian Witterick



L to R: Drs. Raymond Ng, Yvonne Chan and Gabriel Leung (Dean, Hong Kong University)



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.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, 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
K. Conrad, MD, FRCSC, FRCS
M.J. Davidson, MD, MSc, FRCSC
R.S. Fenton, MB, FRCSC, FRCS
K. Gordon, PhD, CCC-A, Reg. CASLPO
A. James, MB, FRCSC, FRCS
A.J. Smitheringale, MB, MEd, FRCSC

Assistant Professors:

J. Anderson, MD, MSc, FRCSC
M. Cashman, MSc
Y. Chan, MD, MSc, FRCSC, HBSc
A. Chiodo, MD, FRCSC
K.Y. Chow, MB, FRCSC

S. Cushing, MD, MSc, FRCSC
A. Dabdoub, PhD
J. de Almeida, MD, MSc, FRCSC
F. DeSouza, MD, FRCSC
W. El Masri, MB, FRCSC
D. Enepekides, MD, FRCSC
R. Fox, MD, FRCSC
L. Friesen, PhD, MSc
A.M. Gantous, MD, FRCSC
D. Goldfarb, MD, FRCSC
D. Goldstein, MD, MSc, FRCSC
J. Halik, MD, FRCSC
K. Higgins, 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



**L to R: Drs. John Lee, Vito Forte, Ian Witterick, and
Arnold Noyek**

**Celebrating our faculty in September 2013
at the University's Faculty Club**

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
G. Beard, MD, FRCSC
I. Bennett, MA
M.G. Brandt, BSc, MD, FRCSC

D. Brown, MD, FRCSC
 R. Chaban*, MD, FRCSC
 N. Chauhan, MD, FRCSC
 A.J. da Silva, MB, FRCSC
 D. Dalgorf*, MD, BSc (Hon), FRCSC
 T. Davids, MD, FRCSC
 S. Druker, MCISc
 D. Finkelstein, MD, FRCSC
 E. Gooden, MD, FRCSC
 G. Goulding, MCISc
 H.K. Guirgis, MB, CHB, FRCSC
 D. Hacker*, MD, FRCSC
 B. Hassounneh, BSc, MD, FRCSC
 R. Hekkenberg, MD, FRCSC
 T. Kandasamy*, MD, BSc, FRCSC
 A. Katyal, MD, FRCSC
 W. Kaul, MB, FRCSC
 J. Kolenda, MD, FRCSC
 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
 C. Torgerson, MD, PhD, FRCSC
 A. Toth, MD, FRCSC
 A. Vescan, MD, FRCSC
 J. Werger, MD, FRCSC
 K. Williams, MD, MSc
 J. Witte, MA
 E. Wong, MCISc
 J. Wong, MD, FRCSC, OMC

Instructors:

N.A.T. Sandor, MSc

Cross-Appointed Staff

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
 H. Kunov, PhD, Biomedical Engineering
 F-F. Liu, MD, FRCPC, Radiation Oncology
 B. O'Sullivan, MB, FRCPC, Radiation Oncology
 J. Ringash*, MD, BSc, MSc, , FRCPC, Radiation Oncology
 P.G. Walfish, MD, FRCPC, Medicine
 N. Zamel, MD, FRCPC, Medicine

Associate Professors:

J. Bajcar*, RPh, BScPhm, MScPhm, EdD, FRSHp
 E. Kassel, DDS, MD, FRCPC, Medical Imaging
 R. Martino, MSc, MA, Ph.D., Speech Language Pathology
 B. Perez-Ordoñez, MD, FRCPC,
 Laboratory Medicine & Pathobiology
 L.E. Rotstein, MD, FRCSC, Surgery
 S. Symons, BASc, MPH, MD, FRCPC, Medical Imaging
 G.P. Taylor, MD, FRCPC,
 Laboratory Medicine & Pathobiology
 A.M-F. Wong, MD, PhD, FRCSC, FAAO,
 Ophthalmology & Vision Sciences
 G. Zadeh*, MD, PhD, FRCSC, Surgery

Assistant Professors:

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
 E. Yu, MD, FRCPC, Medical Imaging

Lecturers:

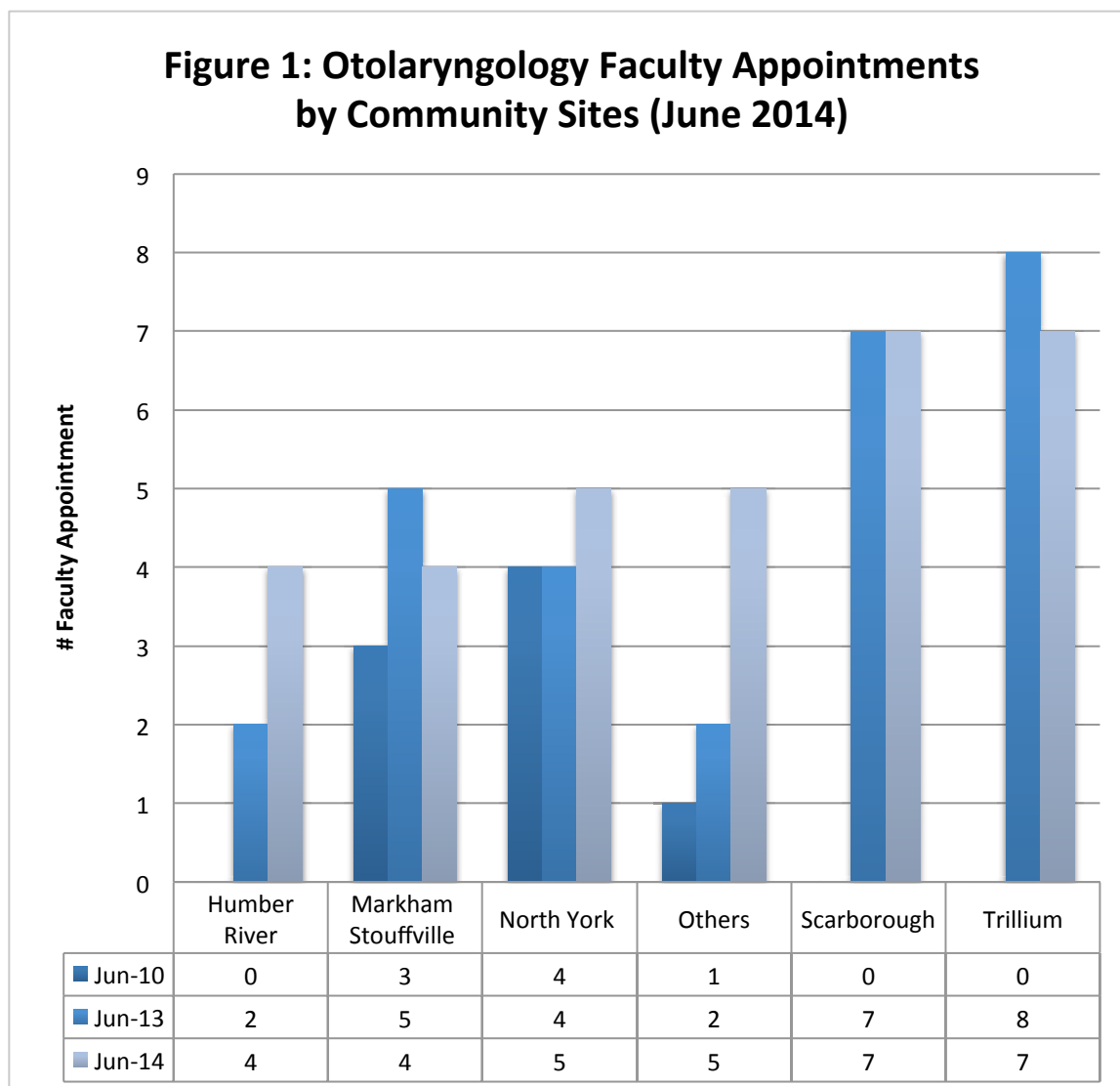
J. Allegro, MSc, Speech Language Pathology
 M. Armstrong, BSc Hon, MSc Aud(c), Reg CASLPO
 P. Ranalli, MD, FRCPC, Medicine
 D. Storms, MSc, Speech Language Pathology

Administrative Staff:

A. Martin, Business Officer
 S. Valente, Department Executive Assistant
 S. Kellogg, Postgraduate/Undergraduate Administrator



Our Community Academic Faculty deserve a special note of appreciation as they have significantly “Stepped up to the plate” to teach, especially in the undergraduate medical education curriculum as evidenced in the following figures.



Note: Figure 1 includes data only for those sites which have in excess of 3 UofT academic appointees in 2013-2014.

Source: Office of Integrated Medical Education, KPIs for IME, July 2014

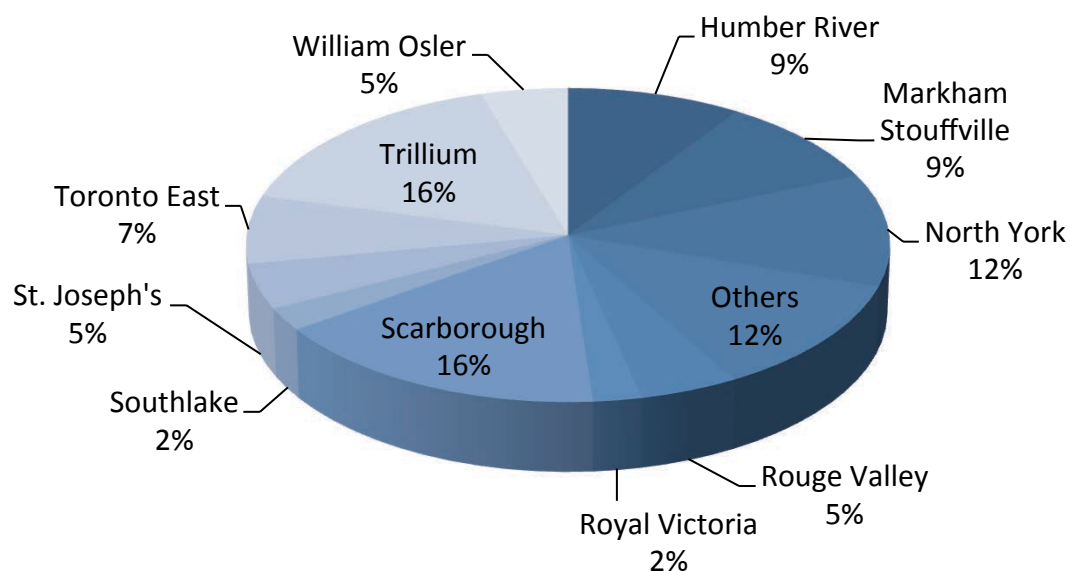
Figure 2: Otolaryngology Community-Based Academic Appointments (As of June 2014)

Figure 2 captures all community-based academic appointments, as of June 2014.

| Primary Hospital | June 2010 | June 2013 | June 2014 |
|------------------------|-----------|-----------|-----------|
| Humber River | 0 | 2 | 4 |
| Markham Stouffville | 3 | 5 | 4 |
| North York | 4 | 4 | 5 |
| Others | 1 | 2 | 5 |
| Rouge Valley | 0 | 0 | 2 |
| Royal Victoria | 0 | 2 | 1 |
| Scarborough | 0 | 7 | 7 |
| Southlake | 0 | 3 | 1 |
| St. Joseph's | 3 | 4 | 2 |
| Toronto East | 3 | 3 | 3 |
| Trillium | 0 | 8 | 7 |
| William Osler | 0 | 0 | 2 |

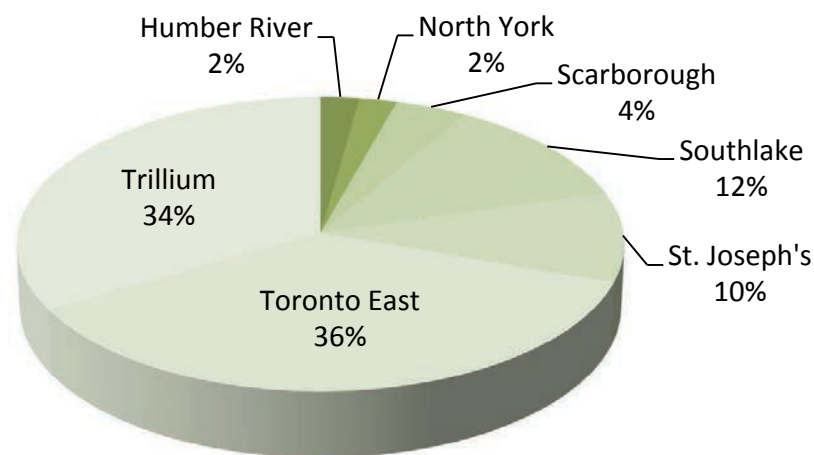
Source: Office of Integrated Medical Education, KPIs for IME, July 2014

**Figure 3: Distribution of Otolaryngology
Community-Based Faculty Appointments by Site
(As of June 2014)**



*Source: Office of Integrated Medical Education,
KPIs for IME, July 2014*

**Figure 4: Distribution of Otolaryngology IME
Funded
Learner Days by Community Site, 2013-2014**



From 2011-2012 to 2013-2014, Otolaryngology's **total number of IME funded learner days in the community sites totaled 4,052**. Figure 4 demonstrates the distribution of learner days (and thus, funding) across the various community sites in 2013-2014.

*Source: Office of Integrated Medical
Education, KPIs for IME, July 2014*

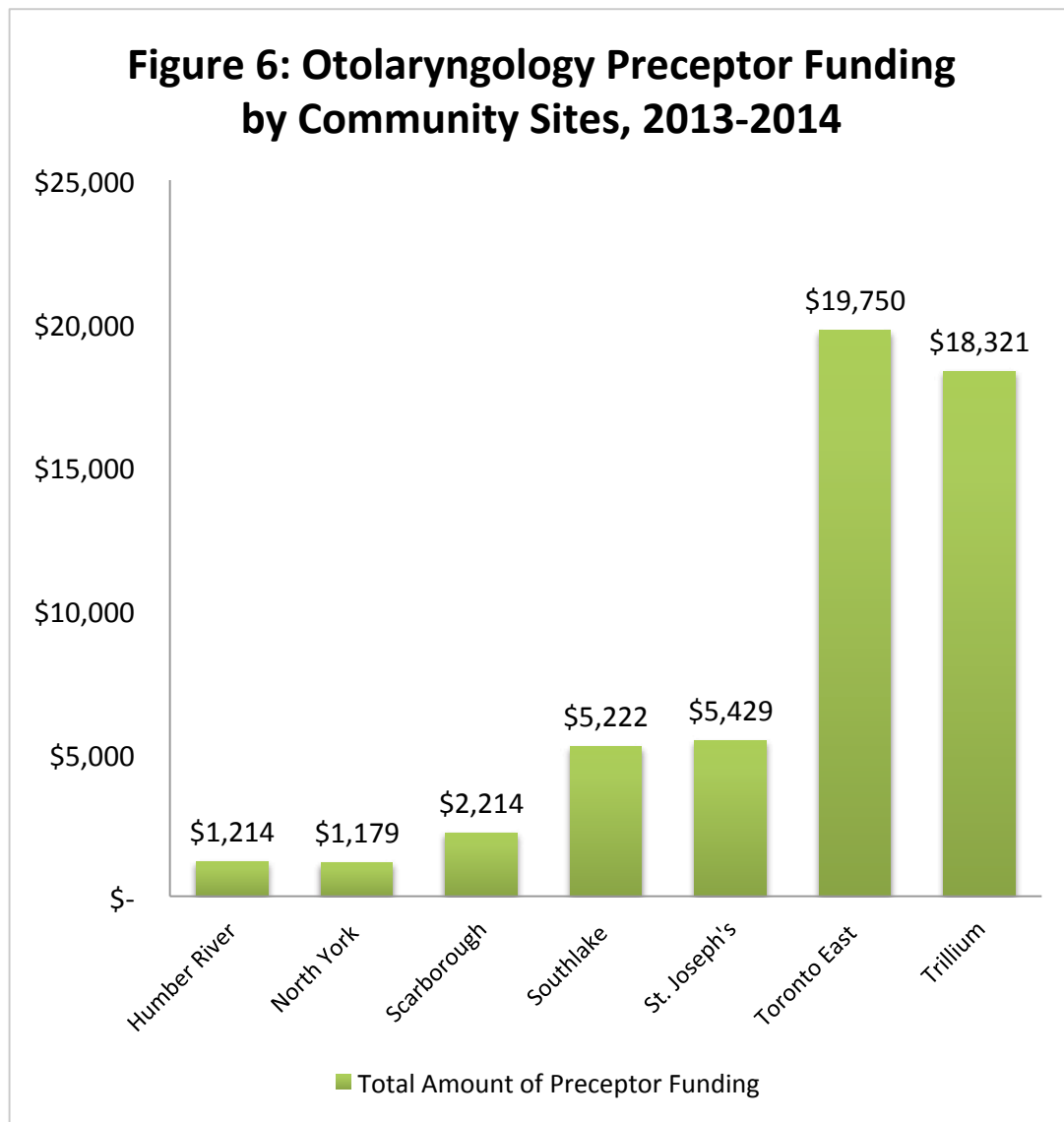


Figure 5: Comparison of median vs. actual growth/decline of IME funded learner days in Otolaryngology-Head and Neck Surgery, 2011-12 to 2013-14

| Dates | | Clerks | Residents | Total |
|------------------------|------------------------------|--------|-----------|-------|
| 2011-2012 to 2013-2014 | Median (all clinical depts.) | 52% | 17% | 24% |
| | Actuals (Otolaryngology) | 368% | -7% | 28% |
| 2012-2013 to 2013-2014 | Median (all clinical depts.) | 23% | 5% | 9% |
| | Actuals (Otolaryngology) | 241% | -14% | 16% |

Source: Office of Integrated Medical Education, KPIs for IME, July 2014

Funding provided to Otolaryngology community-based preceptors from 2011 to 2014 (on the basis of IME funded learner days) **totalled \$133,030 (\$36,790 in 2011-2012, \$42,911 in 2012-2013 and \$53,329 in 2013-2014)**. Figure 6 demonstrates the disbursement of these funds across our community-based teaching sites.



Source: Office of Integrated Medical Education, KPIs for IME, July 2014



Honours and Awards

ADAMSON P

- 2014 Lifetime Achievement Award. Awarded by the Canadian Society of Otolaryngology – Head and Neck Surgery, Annual Meeting, Ottawa, Ontario.
- 2014 The Goldman Lecturer. Awarded by Mount Sinai Hospital for innovation in rhinoplasty surgery. New York, New York. Topic: From The Tripod Concept to The M-Arch Model: Understanding the Nasal Tip in Rhinoplasty.
- 2013 Tardy Scholar and Lecturer, AAFPRS Annual Meeting, New Orleans, LA. Selected by the AAFPRS Executive Committee and awarded to a surgeon who is judged to have advanced the teaching and science of facial plastic surgery by virtue of unusually exemplary and unique teaching contributions and outstanding leadership qualities, resulting in enduring benefit to the specialty.

BLASER S

- 2013 Best Scientific Exhibit, American Academy of Ophthalmology Annual Meeting. Eugene S Liu, Feisal A. Adatia, J Raymond Buncic, Susan Blaser.

CHAN Y

- 2014 Resident Advocate Award, University of Toronto, Department of Otolaryngology-Head & Neck Surgery for dedication to improving the residency program through support and mentorship.

CHIODO A

- 2014 Determinants of Community Health II Research Supervisor Award. Toronto East General Hospital, Wightman-Berris Academy, University of Toronto, Faculty of Medicine. Awarded in support of research supervision for Anna Goulding on the project “Barriers to Accessing Thyroid Cancer Surgery”.

FORTE V

- 2013 Certificate of Merit, Canadian Association for Medical Education.

GORDON KA

- 2014 Elected co-Chair, 8th International Symposium on Objective Measures in Cochlear Implantation to be held in Toronto.
- 2013 Invited Chair, Academy Research Conference 2013, American Academy of Audiology.

HARRISON RV

- 2013 Elected Member, The International Academy of Otorhinolaryngology-Head & Neck Surgery.

HIGGINS K

- 2014 Honour Award, Canadian Society of Otolaryngology-Head and Neck Surgery (Distinction) in recognition of his contribution to the Society.
- 2013 A Sunnybrook Moment of Service Excellence, Sunnybrook Health Sciences Centre (Distinction, Specialty: Otolaryngology-Head & Neck Surgery).

JAMES A

- 2012-2013 Teacher of the Year Award, Dept of Otolaryngology - Head & Neck Surgery.

MARTINO R

- 2013-2018 Canada Research Chair (Tier II) in Swallowing Disorders, Canada Research Chairs Program. (Research Award).

NOYEK A

- 2013 Officer, Order of Canada.

PAPAIOANNOU V

- 2014 SickKids Certificate of Recognition for Clinical Education.
- 2014 Canadian Association of Speech Language Pathologists and Audiologists (CASLPA) Volunteer Appreciation Certificate.

PAPSIN BC

- 2013 Canadian Association of Speech Language Pathologists & Audiologists (CASLPA) Award of Excellence for Interprofessional Collaboration (Director CI Team).
- 2013 Family Centered Care Advisory Council Award (Humanitarian Award) Team Award for the Cochlear Implant Team (Director).

WITTERICK I

2013 Educational Excellence Award, Canadian Society of Otolaryngology-Head & Neck Surgery.

ZADEH G

2014 Bernard Langer Surgeon-Scientist Award. *Presented annually to an outstanding graduate of the Surgeon-Scientist Training Program in the Department of Surgery at University of Toronto who shows the greatest promise for a career in academic surgery.*

2014 Wightman-Berris Academy Postgraduate Education Teaching Excellence Award. *The Award recognizes teachers whose outstanding skills have been personally identified by their students.*

Leadership Activities**ABEL S**

2013-present Consultant, NATO LCG/1 Weapons & Sensors Working Group, Team of Experts on NATO Suppressor Testing Protocol, D14 Addendum.

2009-present Member, Awards and Recognition Committee, Defence Research & Development Canada, Toronto Research Centre.

2007-2013 Member, Knowledge and Information Management Committee (KIMC), Defence Research & Development Canada, Toronto Research Centre.

2006-present Member, Government of Canada Workplace Charitable Campaign for Defence Research & Development Canada, Toronto Research Centre.

2000-present Member, Acoustics Subsection, Environmental Health Working Group, Multilateral Medical Operations Panel, International Space Station.

Discovery Grants Program, Natural Sciences and Engineering Research Council of Canada

Journal Reviews:

Aviation, Space and Environmental Medicine.
Experimental Brain Research.
International Journal of Audiology.
Journal of Noise & Health, Editorial Board Member/Reviewer.
Military Medicine.

ADAMSON P

2014 Organizer and Faculty, Rhinoplasty Dissection Course, Department of Otolaryngology-Head & Neck Surgery, University of Toronto.

2014 Co-Director, Injectables Workshop, Department of Otolaryngology-Head & Neck Surgery, University of Toronto.

2012-present Editorial Board, Modern Aesthetics Magazine.

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

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

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

1997-present Manuscript Reviewer, The Laryngoscope, American Laryngological, Rhinological, and Otological Society, Inc. (Aka The Triological).

1995-present Manuscript Reviewer, Otolaryngology-Head and Neck Surgery, American Academy of Otolaryngology-Head and Neck Surgery (AAO-HNS).

1994-present President and Founder, Face the Future™ Foundation (Previously Canadian Foundation for Facial Plastic and Reconstructive Surgery).

1989-present Advisor, Canadian Academy of Facial Plastic Surgery (CAFPS).

1981-present Manuscript and Book Reviewer, Journal of Otolaryngology-Head & Neck Surgery (CSO-HNS).

American Academy of Facial Plastic and Reconstructive Surgery (AAFPRS)

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

2007-present Member, Ethics Committee.

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

1987-present Director, Fellowship Program.

1986-present Facial Plastic Surgery Resident Liaison (Liaison of AAFPRS with U of T).

American Board of Facial Plastic and Reconstructive Surgery (ABFPRS)

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

2007-present Member, FPS Archives Advisory Council.

2006-present Member, Audit Committee.

2006-present Member, Bylaws and Publications Committee.

2003-present Senior Advisor, Board of Directors.

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

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

1989-present Contributor of oral examination protocols.



International Board for Certification in Facial Plastic and Reconstructive Surgery (IBCFPRS)

- 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.
- 2012-present President.

ALEXANDER A

- 2013-present Written Examination Development Committee, American Board of Facial Plastic & Reconstructive Surgery.

ANAND SM

- 2013-present Director, Toronto East Otolaryngology Journal Club.
- 2013-present Continuing Education and Professional Development (CEPD) Director, Department of Surgery, The Scarborough Hospital.
- 2012-present Reviewer, Head & Neck.
- 2010-present Reviewer, Journal of Otolaryngology Head & Neck Surgery.
- 2009-present Reviewer, Archives of Otolaryngology Head & Neck Surgery.
- 2013-present Medical School Admissions Committee, University of Toronto, Faculty of Medicine.

ANDERSON J

- 2014 Reviewer, St. Michael's Hospital, Department of Neurosurgery, The Journal of Clinical Endocrinology & Metabolism.
- 2010-present Member, Voice Chair Research Committee.
- 2009-present Chair, Multidisciplinary Cancer Conference / Tumour Board Rounds, Multilevel Education, Dept of Otolaryngology - Head & Neck Surgery.
- 2009-present Internal Grant Reviewer, St. Michael's Hospital Innovation Alternate Funding Plan Grants.
- 2008-present Reviewer, Journal of Otolaryngology-HNS (CSO-HNS).
- 2008-present Department Chief, Otolaryngology-HNS, St. Michael's Hospital.
- 2005-present Member, Medical Advisory Committee.
- 2004-present Consultant, Canadian Opera Company.
- 2003-present Executive Member, AFP Management Committee.
- 2002-present Consultant, Stratford Festival.
- 1997-present Voice Clinic Medical Director, Voice Disorders Clinic, St. Michael's Hospital.
- 1994-present Member, Perioperative Services Advisory Group.

ASARIA J

American Academy of Facial Plastic and Reconstructive Surgery

- 2010-present Emerging Trends and Technology Committee.
- Postgraduate Fellowship Curriculum Committee.
- Face to Face Committee.

Ad hoc reviewer:

- Annals of Otolaryngology, Rhinology & Laryngology.
- American Journal of Rhinology and Allergy.

BRADLEY G

- 2014-present Editorial Board, Oral & Maxillofacial Pathology section, Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology.

BRANDT MG

- 2014-present Grant Reviewer:
Combined Otolaryngology Research Effort (CORE) Grant Review.
American Academy of Otolaryngology-Head and Neck Surgery.
American Academy of Facial Plastic & Reconstructive Surgery.
- 2014-present Ontario Regional Representative – Community, Canadian Society of Otolaryngology-Head & Neck Surgery.
- 2012-present Electronic Communications Editor, Canadian Society of Otolaryngology-Head & Neck Surgery.
- 2011-Present Undergraduate Medical Education Committee, Canadian Society of Otolaryngology-Head & Neck Surgery.
- 2011-present Fellowship Committee, American Academy of Facial Plastic and Reconstructive Surgery.
- 2010-present Membership & Residency Relations Committee, American Academy of Facial Plastic and Reconstructive Surgery.
- 2010-present Research Committee, American Academy of Facial Plastic and Reconstructive Surgery.
- 2010-present Young Physicians Committee, American Academy of Facial Plastic and Reconstructive Surgery.

Journal Reviewer:

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

BROWN DH

2013-present Vice President-Eastern Section of the Triological Society.

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, University of Toronto, Department of Otolaryngology-Head & Neck Surgery.

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, Ontario, Canada.

1989-present Otolaryngology Representative, Operating Room Committee, Toronto General Hospital.

2012-2014

CHAN Y

2014

2014

2014

2014

2014

2013

2013

2013

2013

2012-present

2012-present

2012-present

2011-present

2011-present

2011-present

2011-present

Chair, CaRMS Selection Committee.

Member, Foundations of Surgery Committee.

Member, Postgraduate Medical Education Advisory Committee.

Chair, Residency Program Committee.

Medical Staff Association, Hospital for Sick Children:

President, Senior Management Committee.

President, Clinical Relations Committee, Faculty of Medicine, University of Toronto.

President, Search Committee.

President, Board of Trustees.

President, Medical Staff Association.

President, Medical Advisory Committee.

CAMPISI P

2013-2014 Eastern Section Liaison, Combined Sections Program Committee, The Triological Society.

2013-present Clinical Director, Centre for Pediatric Voice and Laryngeal Function, The Hospital for Sick Children.

2012-2014 President, Medical Staff Association. The Hospital for Sick Children.

2012-present Member, Otolaryngology-Head & Neck Surgery Examination Committee, Royal College of Physicians and Surgeons of Canada.

2012-2013 Member, Peer Assessor. College of Physicians and Surgeons of Ontario.

2012-present Director, Postgraduate Education. Department of Otolaryngology-Head & Neck Surgery, University of Toronto.

2010-present Reviewer, Journal of Pediatric Hematology and Oncology.

2009-present Reviewer, Pediatric Infectious Disease Journal.

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

2005-present Reviewer, The Laryngoscope.

2005-present Consultant Medical Staff, Bloorview-MacMillan Children's Centre.

2004-present Reviewer, International Journal of Pediatric Otorhinolaryngology.

2004-present Reviewer, Pediatrics and Child Health.

2012-present Department of Otolaryngology-Head & Neck Surgery, University of Toronto: Residency Program Representative, Executive Committee.

Course Planning Committee Member, Current Concepts in Head & Neck Surgery.

Medical School Admission Interviewer, U of T Faculty of Medicine.

Course Director, The 12th Annual Otolaryngology-Head & Neck Surgery Update.

Course Planning Committee Member, Dizziness Update for the Community Practitioner & Allied Health Professional.

Committee Member, U of T Otolaryngology Residency Selection Committee.

Medical School Admission File Reviewer, U of T Faculty of Medicine.

Course Director, Otolaryngology Update for the Primary Care Physician & Allied Health Professional.

CPD Taskforce Leader, U of T Strategic Planning Committee.

Committee Member, U of T Otolaryngology Residency Selection Committee.

Committee Member, CPD Directors and Leader Committee.

Committee Member, Continuing Professional Development Committee.

Continuing Professional Development Director, U of T Department of Otolaryngology-Head & Neck Surgery.

Committee Member, U of T Otolaryngology Undergraduate Committee.

Otolaryngology Undergraduate Coordinator, University of Toronto, Mississauga Academy of Medicine.

Committee Member, U of T Otolaryngology Executive Committee.

Community Academic Faculty Representative, University of Toronto, Department of Otolaryngology – Head & Neck Surgery.



2010-present Associate Consulting Editor, Plural Publishing Inc.

2010-present Member, American Rhinologic Society Corporate Affiliates Committee.

2009-present Site representative, U of T Otolaryngology Undergraduate Committee.

2009-present Member, Canadian Society of Otolaryngology Rhinology Working Group.

2010-2013 Executive Member, Clinical Teachers Association of Mississauga.

CHEN J

2012-present Program Coordinator. Ontario Cochlear Implant Group (OCIG). Appointed by the Toronto Central LIHN, Ministry of Health-Long Term Care.

2011-present Fellowship Examination Board, Postgraduate MD, Otolaryngology. Royal College of Physicians and Surgeons of Canada.

2007-present Chief, Department of Otolaryngology-H&N Surgery, Sunnybrook Health Sciences Centre.

2007-present Head, The Sunnybrook Inner Ear Regeneration Initiative. Otolaryngology-H&N Surgery, Sunnybrook Research Institute.

2003-present Advisor/Medical Consultant. Canadian Acoustic Neuroma Society.

1994-present Fellowship Director, Otology-Neurotology, Sunnybrook Health Sciences Centre.

1993-present Member, Ontario Cochlear Implantation Program.

2007-present Sunnybrook Health Sciences Centre: Member, Medical Advisory Committee (MAC).
Member, Senior Medical Council.
Member, OR Management Committee.

CHIODO A

2012-present Reviewer/Interviewer, Admissions, Faculty of Medicine.

2012-2014 Member, Clerkship Committee, Faculty of Medicine.

2012-2014 Member, iOSCE Committee, Faculty of Medicine.

2013-2014 Member, Longitudinal Integrated Clerkship Committee, Faculty of Medicine.

2013-2014 Member, Longitudinal Integrated Clerkship Admissions Sub-Committee, Faculty of Medicine.

2013-2014 Member, Longitudinal Integrated Clerkship Patient Panel Sub-Committee, Faculty of Medicine.

2013-2014 Member, ASCM I Head and Neck Working Group.

Toronto East General Hospital

2008-2011 & 2014-present Member, Medical Advisory Committee.

2014-present Member, Surgical Council.

2014-present Member, Quality Based Program on Adenotonsillectomy Committee.

2013-present Chair, TEGH Thyroid Program Committee.

2012-present Member, Education Committee and Education Lead, Department of Otolaryngology-Head & Neck Surgery.

1998-present Member, Medical Staff Association.

CHOW KY

2007-present Member, Board of Directors - Opalux Inc., Toronto, ON.

CUSHING S

2013-present Reviewer, The Laryngoscope.

2013-present Reviewer, Cochlear Implants International.

2013-present Reviewer, Ear and Hearing.

2013-2014 Course co-Director, 2014 Dizziness Update for the Community Practitioner & Allied Health Professional, Department of Otolaryngology-Head & Neck Surgery, University of Toronto.

2013 External Reviewer, Clinical Practice Guideline: Acute Otitis Media, AAO-HNS Foundation.

2012-present Reviewer, PLOS ONE.

2012-present Reviewer, The Annals of Otology, Rhinology, and Laryngology.

2011-present Reviewer, International Journal of Pediatric Otorhinolaryngology.

2010-present Editor, Otology Neurotology.

DABDOUB A

2013-present Member, International Committee. Association for Research in Otolaryngology (ARO).

2013-present Member, Organized an ongoing Learn@Lunch seminar series for Biological Sciences Platform. Sunnybrook Research Institute.

2013-present Cross-Appointed to the Dept of Laboratory Medicine and Pathobiology.

ENEPEKIDES D

2011-present Site Group Chair, Head and Neck Oncology. Odette Cancer Centre.

2013-present Chief (Interim) of Surgical Oncology, Odette Cancer Program and Regional Surgical Oncology Lead, Cancer Care Ontario. Surgical Oncology, University of Toronto, Sunnybrook Health Sciences Centre.

2012-present Advanced Training Council, Subcommittee on Robotic Surgery, American Head and Neck Society.

2012-present Operating Room Utilization Committee, Sunnybrook Health Sciences Centre.

2011-present Member, Advanced Training Council Committee, American Head and Neck Society.

2008-present Member, Head and Neck Fellowship Program Committee, Department of Otolaryngology-Head & Neck Surgery, University of Toronto.

2007-present Member, Laser Safety Committee, Sunnybrook Health Sciences Centre.

2002-present Reviewer, Head and Neck.

2002-present Reviewer, Otolaryngology-Head & Neck Surgery.

2002-present Reviewer, The Laryngoscope.

2002-present Reviewer, Archives of Otolaryngology Head & Neck Surgery.

FORTE V

2003-present Reviewer. Otolaryngology-Head and Neck Surgery

1989-present Coordinator, Grand Rounds, Department of Otolaryngology-Head & Neck Surgery, University of Toronto

2003-2013 Member, Medical Advisory Committee, The Hospital for Sick Children

FOX R

2014 Demonstrator, Resident Temporal Bone Teaching, Department of Otolaryngology-Head & Neck Surgery, University of Toronto.

2014 Demonstrator, Endoscopic Sinus Surgery Course, Department of Otolaryngology-Head & Neck Surgery, University of Toronto.

2013-present OR Committee Member. St. Joseph's Health Centre.

2013-present Expert Committee for Development of Tonsillectomy Guidelines. Ontario Government.

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

FREEMAN J

2013-present Program Chair and Conference Chair, World Congress on Thyroid Cancer.

2009-present Special Reviewer, Editorial Board, UICC Fellowships.

2003-present Program Director, Head and Neck Fellowship Program, Department of Otolaryngology-Head & Neck Surgery, University of Toronto.

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

1992-present Guest Editor, Operative Techniques in Otolaryngology-Head & Neck Surgery "Oral Cavity Reconstruction".

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 & Neck Surgery.

1987-present Consultant Otolaryngologist, Canadian Medical Protective Association.

1983-present Consultant Otolaryngologist, Workers' Compensation Board of Ontario.

GANTOUS A

2014-present Canadian Regional Director, American Academy of Facial Plastic Surgery Board of Directors.

GILBERT R

2012-present Chief, Department of Otolaryngology-Head & Neck Surgery, University Health Network-TGH.

2009-present Member, Board of Trustees. University Health Network.

2003-present Member, Planning Committee, Annual Wharton/Elia Day, with the Sullivan Lecturer.

2001-present Chair, Division of Head and Neck Oncology, Dept of Otolaryngology-Head & Neck Surgery, University of Toronto.

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

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

2001-present Member, Cancer Committee, UHN.

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

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

1989-present Reviewer, Journal of Otolaryngology.

National Cancer Institute of Canada (NCIC)

2008-present Chair, Cancer Program Quality Committee, Canada.

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



GOLDSTEIN D

- 2011-present Member of the Board. Melanoma Network of Canada.
- 2011-present Member, Microvascular Surgery Committee, American Academy of Otolaryngology.
- 2011-present Member of the Board, Melanoma Network of Canada.
- 2010-present Director of Research, Division of Head & Neck Oncology, Dept of Otolaryngology-Head & Neck Surgery, Faculty of Medicine, University of Toronto.
- 2009-present Member, Publications Committee, American Head and Neck Society.

University Health Network

- 2009-present Director of Head & Neck Surgical Research. Otolaryngology-Head & Neck Surgery, Wharton Head and Neck Surgical Program, University Health Network.
- 2009-present Member, Head & Neck Cancer Tissue Committee, Princess Margaret Cancer Centre.
- 2007-present Director of Research, Head and Neck Surgical Oncology Fellowship, Princess Margaret Cancer Centre.
- 2006-present Co-Coordinator, Head and Neck Oncology & Endocrinology Rounds, Weekly Multidisciplinary Rounds.

Manuscript Reviewer

- 2014-present Annals of Otolaryngology, Rhinology and Laryngology.
- 2012-present Journal of Reconstructive Microsurgery.
- 2012-present Journal of Clinical Oncology.
- 2012-present Journal of Skin Cancer.
- 2012-present Journal of Surgical Oncology.
- 2009-present World Journal of Surgery.
- 2009-present European Journal of Cancer.
- 2008-present Archives of Otolaryngology.
- 2007-present Canadian Medical Association Journal.
- 2007-present Head & Neck.
- 2006-present Journal of Otolaryngology-Head & Neck Surgery.
- 2006-present Otolaryngology Head & Neck Surgery.

GOODEN E

- 2014-present Chair, Medical Advisory Committee (MAC), North York General Hospital.
- 2013-Present Co-Chair, Provincial Council for Maternal Health. Pediatric Quality Based Procedures Tonsillectomy. Clinical Expert Advisory Group. Ministry of Health and Long Term Care. Tonsillectomy Panel.
- 2012-present Member, Development Committee. North York General Hospital Foundation.
- 2011-present Board Member-Foundation Board of Governors. North York General Hospital.

- 2009-present Member, Surgical Program Governance Committee. North York General Hospital.
- 2009-present Division Head, Otolaryngology-Head & Neck Surgery, North York General Hospital.
- 2004-present Consulting Otolaryngologist, Toronto Maple Leafs Sports and Entertainment Corporation.
- 2002-present Co-coordinator, Otolaryngology Academic Rounds, North York General Hospital.

GORDON K

- 2014 Convention Program committee member, American Speech and Hearing Association.
- 2014 Member, Registration Committee, College of Speech Language Pathologists and Audiologists of Ontario.

University of Toronto

- 2014-present Member, Advisory Committee for the Appointment of the Director of the Institute of Medical Science.
- 2011-present Member, Admissions Committee, Institute of Medical Science.
- 2009-present Member, Audiology Committee, Department of Otolaryngology-Head & Neck Surgery.
- 2009-present Member, Research Committee, Department of Otolaryngology-Head & Neck Surgery.

External Peer-reviewer

Annals of Otorhinolaryngology
 Archives of Otolaryngology-Head and Neck Surgery
 Audiology and Neurotology
 Brain
 Brain Structure and Function
 Ear and Hearing
 Early Human Development
 Hearing Research
 Human Brain Mapping
 International Journal of Psychophysiology
 International Journal of Pediatric Otolaryngology
 Journal of the Acoustical Society of America
 Journal of the American Academy of Audiology
 Journal of the Association for Research in Otolaryngology
 Journal of Clinical Neurophysiology
 Journal of Neurophysiology
 Otolaryngology and Neurotology
 PLoS One

National Funding Agencies

Canadian Institutes of Health Research: Operating grant & Post-doctoral Fellowship

International Funding Agencies

National Institute of Health
 Hearing Health Foundation

GULLANE PJ

- 2007-present Associate Editor. Head and Neck.
 2005-present Council Member, International Federation of Head and Neck Oncologic Societies (IFHNOS).
 2002-present Senior Scientist. Cancer Informatics, Ontario Cancer Institute.
 2002-present Council Member, American Head and Neck Society.
 2000-present Senior Scientist, Cancer Informatics Division of OCI (Sub Committee of Research Council), Ontario Cancer Institute.
 1999-present Member, International Advisory Board, Saudi Arabia, The Saudi Journal of Oto-Rhino-Laryngology Head and Neck Surgery.
 1997-present Wharton Chair, Head and Neck Surgery. Princess Margaret Cancer Centre.
 1993-present Medical Assessor, Workers' Compensation Appeals Tribunal.
 1989-present Founding Member, North American Skull Base Society.

Editorial Boards

- 2005-present Journal Auris Nasus Larynx, International Journal of ORL & HNS (Elsevier)-Japan.
 2003-present On Line Journal Head and Neck Surgery-Oncology.
 2000-present The Laryngoscope.
 1993-present American Journal of Otolaryngology.

Manuscript Reviews

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

Editorial Review Board

- 1991-present Journal of Skull Base Surgery.
 1991-present Les Annales d'Otolaryngologie et de Chirurgie Cervico-Faciale (France).
 1989-present American Academy of Otolaryngology - Head and Neck Surgery, SIPac Faculty.

American Academy of Otolaryngology - Head and Neck Surgery

- 2006-present Consultant, Instruction Advisory Course Committee.
 1997-present Faculty Member, SIPac (Self-Instructional Packages).

Canadian Society of Otolaryngology-Head & Neck Surgery

- 2013-2014 President



Dr. Patrick Gullane



Pat Gullane's Guests of Honour.
 L to R: Drs. Ralph Ruby, Pat Gullane and Ellis Scott



Dr. Peter Adamson (left) receiving the Lifetime Achievement Award from Pat Gullane

University Health Network

- 1993-2012 Medical Director, Otolaryngology-HNS/Plastic Business Unit.
 1993-2012 Member, Surgical Services Advisory Committee.
 1993-2012 Member, Surgical Program Management Committee.
 1989-2012 Member, Medical Advisory Committee.



HARRISON RV

- 2014-present Academic Board, University of Toronto.
Elected Faculty of Medicine Representative.
- 2014 Hospital for Sick Children, Department
Anesthesia and Pain Management, External
Review.
- 2014 Hospital for Sick Children, Mira Godard
Chair (Dept. Ophthalmology and Vision
Sciences) search committee.
- 2013-present Council of Canadian Academies (CCA),
expert panel on Wind Turbine Noise and
Human Health.
- 2011-present Scientific steering committee, Ontario Health
Study (OHS).
- 2013 Appointed into the Faculty of Music (U of T),
part of The Music Collaboratory, exploring
the effects of music of treatment of illness
and rehabilitation.

HEKKENBERG R

- 2014-present Vice President, Font Hill Medical Centre
Development.
- 2012-present Secretary, Little Lake Seniors Community.
- 2012-2013 Completed OMA/Schulich Leadership
course.
- 2011-present Secretary, Royal Victoria Hospital,
Department of Surgery.

Georgian Professional Centre

- 2014-present Treasurer.
- 2011-present Board of Directors.

HIGGINS K

- 2014 -2015 Member, Nominating Committee, United
States. Eastern Section, Triological Society.
- 2014 Site Group Leader, Head and Neck Site
Group, Odette Cancer Centre.
- 2013-2014 MDMSA Representative. Sunnybrook
Foundation Board.
- 2013 Member, CCO Cancer Surgery QBP
Advisory Committee. Cancer Care Ontario.
- 2012-2013 Editor. International Journal of
Otolaryngology and Head & Neck Surgery.
- 2011-present Endocrine Site Group Leader. Odette
Cancer Centre, Sunnybrook Health
Sciences Centre, Endocrine Site Group.
- 2010-present Program in Evidenced-Based Care. Cancer
Care Ontario Program in Evidence-Based
Care.
- 2008-present Member, Division of Facial Plastic and
Reconstructive Surgery. Division of Facial
Plastic and Reconstructive Surgery,
Otolaryngology-Head & Neck Surgery.
- 2003-present Member Fellowship Selection Committee,
Division of Head and Neck Surgery,
Department of Otolaryngology-Head & Neck
Surgery.

University of Toronto

- 2010-2013 Post-Graduate Site Director. Sunnybrook
Health Sciences Centre, Otolaryngology.
- 2003-present Member, Head and Neck Surgery Division
and Fellowship Selection Committee, Head
and Neck Surgery Division, Otolaryngology/
Head and Neck Surgery.

Manuscript Reviews

- 2014 JAMA-Otolaryngology.
- 2012-present Craniomaxillofacial Trauma and
Reconstruction.
- 2012-present Thyroid.
- 2011-present Clinical Otolaryngology.
- 2010-present Otolaryngology-Head and Neck Surgery.
- 2010-present Head & Neck.
- 2006-present The Laryngoscope.
- 2005-present Journal of Otolaryngology- Head and Neck
Surgery.

IRISH JC

- 2014-present Member, Advisory Committee Robotic
Assisted Minimally Invasive Surgeries.
Health Quality Ontario.
- 2011-present Core Lead - Guided Therapeutics, TECHNA
Institute. University Health Network.
- 2008-present Kevin and Sandra Sullivan Chair in Surgical
Oncology. University Health Network.
- 2008-present Provincial Head, Surgical Oncology. Cancer
Care Ontario.
- 2007-present Associate Member. Institute of Medical
Science, School of Graduate Studies,
University of Toronto.
- 2005-present Regional Head, Surgical Oncology Program.
The Toronto Central Local Health Integration
Network (LHIN).
- 2003-present Staff Scientist. Clinical Studies Resource
Unit, Ontario Cancer Institute.
- 2002-present Cross-appointment. Speech-Language
Pathology, University of Toronto.
- 2002-present Cross-appointment. Department of Surgery,
University of Toronto.
- 2001-present Chief. Department of Surgical Oncology,
Princess Margaret Cancer Centre.
- 2001-present Chief. Surgical Oncology, Mount Sinai
Hospital.
- 2001-present Director, Surgical Services. Princess
Margaret Cancer Centre.
- 2001-present Member, Research Council in Oncology.
Ontario Cancer Institute.

Manuscript Reviews

- 2008-present Cancer.
- 2003-present The Laryngoscope.
- 2003-present Otolaryngology-Head & Neck Surgery.
- 2002-present Journal of Surgical Oncology.
- 2002-present Head and Neck.

1999-present Archives of Otolaryngology.
 1996-present British Medical Journal.
 1990-present Journal of Otolaryngology.
 2005-present Expert Reviewer. Canadian Cancer Society.

American Head and Neck Society

2012-present External Reviewer, Thomas Jefferson University Fellowship Program.
 2011-present Member, CME Measurement Task Force.
 2011-present Member, Council.

Cancer Care Ontario

2012-present Clinical Sponsor, Sarcoma Services Steering Committee.
 2009-present Chair, Models of Care Task Force-AFP-SRF Task Force (Chairing multidisciplinary groups).
 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.
 2006-present Member, Wait Times Leadership Committee.
 2008-present Chair, Cancer Surgery Coordinating Committee.
 2005-present Chair, Toronto Central Surgical Oncology Council.
 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.

University Health Network

2005-present Chair, Surgical Oncology Management Council.
 2001-present Member, Surgical Services Executive Committee.
 2001-present Member, Surgical Executive Committee.
 2001-present Member, Surgical Programs Management Committee (Toronto General Hospital).
 2001-present Member, Cancer Program Executive Committee (Princess Margaret Cancer Centre).
 2001-present Director, Surgical Services. (Princess Margaret Cancer Centre).

JAMES A

2013-present National In-Training Examination Committee, Postgraduate MD, Dept of Otolaryngology-Head & Neck Surgery, University of Toronto.
 2012-present Finance Committee, American Society of Pediatric Otolaryngology.
 2007-present Project Investigator. Research Institute, The Hospital for Sick Children, Canada.

Editorial Boards

2011-present Cochlear Implants International
 2008-present Editor. The Cochrane Library (Ear, Nose & Throat Disorders Group)

Manuscript Reviews

2014-present British Medical Journal.
 2014-present The Laryngoscope.
 2013 European Archives of Otolaryngology.
 2011-present Otology & Neurotology.
 2011-present Otolaryngology - Head & Neck Surgery.
 2011-present Cochlear Implants International.
 2009-present Clinical Otolaryngology.
 2008-present International Journal of Pediatric Otorhinolaryngology.

The Hospital for Sick Children

2013-present Department of Otolaryngology-HNS Resource portfolio.
 2013 ARMS implementation taskforce.
 2013 Department of Otolaryngology-HNS review committee.
 2013 Department of Otolaryngology-HNS search committee.
 2006-present Member, Research Ethics Board.
 2005-present Member, Annual HSC Otolaryngology-HNS fellow selection panel, Dept of Otolaryngology-Head & Neck Surgery, University of Toronto.

KUNOV H

2012-present Member, ECE Alumni Awards Committee. University of Toronto.
 2010-2014 Member, Research Ethics Board (Social Sciences, Humanities and Education). University of Toronto.
 2007-2014 Delegated Ethics Review Committee, Faculty of Applied Science and Engineering. University of Toronto.
 2004-present Graduate Appeals Committee, Chair. University of Toronto.

LEE A

2013 Pharmacy, Nutrition and Therapeutics Committee Member. Mackenzie Richmond Hospital.



LEE J

- 2014-present Member. Editorial Board. F1000 Prime: Section on Rhinology and Paranasal Sinus Disease.
- 2013-2014 Consultant. Merck Canada.
- 2013-2014 Consultant. Novartis Canada.
- 2012-present Associate Scientist. Keenan Research Centre of the Li Ka Shing Knowledge Institute, St. Michael's Hospital.
- 2012-present Assistant Director of Undergraduate Medical Education. Department of Otolaryngology-Head & Neck Surgery, University of Toronto.
- 2011-present Member of Editorial Board. American Journal of Rhinology and Allergy.
- 2010-present Member, Rhinology Working Group. Canadian Society of Otolaryngology-Head & Neck Surgery.

Manuscript Reviews

- 2011-present The Laryngoscope.
- 2010-present International Forum of Allergy and Rhinology.
- 2009-present American Journal of Rhinology and Allergy.
- 2009-present Journal of Otolaryngology-Head & Neck Surgery.
- 2008-present ORL, Journal for Oto-Rhino-Laryngology-Head & Neck Surgery.
- 2011-2013 Quality Control Reviewer. American Journal of Rhinology and Allergy.

American Rhinologic Society

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

University of Toronto

- 2013-present Member, Residency Program Committee, Dept of Otolaryngology-Head & Neck Surgery.
- 2013-present Member, Research Committee, Dept of Otolaryngology-Head & Neck Surgery.
- 2012-present Member, Undergraduate Committee, Dept of Otolaryngology-Head & Neck Surgery.
- 2012-present Undergraduate Site Director, Otolaryngology-Head & Neck Surgery, Fitzgerald Academy, St. Michael's Hospital.

LIN V

- 2008-present Associate Scientist. Faculty of Medicine, University of Toronto, Sunnybrook Research Institute.

Manuscript Reviews

- 2012-present Otolaryngology/Head & Neck Surgery.
- 2011-present F1000, Otolaryngology, United Kingdom.

Canadian Society of Otolaryngology-Head & Neck Surgery

- 2011-present Member, CSO Poliquin Resident Research Competition/Committee.
- 2009-present Council Member, Otology Working Group.

Ontario Health Study

- 2011-present Clinical and Research Advisor, Audiology, ENT and Speech Working Group, Patient and Public Education, Dept of Otolaryngology-Head & Neck Surgery.

University of Toronto

- 2011-present Research Advisor, Residency Program Committee, Dept of Otolaryngology-Head & Neck Surgery.
- 2011-present Resident Research Supervisor/Coordinator.
- 2008-present Contributor, Otolaryngology-Head & Neck Surgery Annual Resident In-Service Examination, Dept of Otolaryngology-Head & Neck Surgery.

MARTINO R

- 2014-present Member, Research Network on Stroke and Dysphagia. Barcelona, Spain. European Society for Swallowing Disorders.
- 2014 Member, Scientific Review Committee. 4th ESSD Congress: Dysphagia Across Ages. European Society for Swallowing Disorders.
- 2014 Faculty, 5th World Congress of International Federation of Head and Neck Oncological Societies and Annual Meeting of the American Head and Neck Society.
- 2012-present Member, Dysphagia Guideline Development, Toronto. Canadian Association of Gastroenterology.
- 2003-present Cochrane Affiliate, Speech-Language and Audiology Canada (SAC).

Dysphagia Research Society (DRS)

- 2014-present Co-Chair, Scientific Program.
- 2013-present Co-Chair, Multidisciplinary Scientific Advancement Ad Hoc Committee.
- 2012-present Member, Past President Advisory Council.
- 2012-2013 Chair, Nominating Committee.
- 2012-2013 Past President.
- 2012-2013 Chair, Nominating Committee.
- 2011-2013 Chair, Recruitment Committee.
- 2011-2013 Chair, Society Liaison, Adhoc Committee.

University of Toronto

- 2014-present Member, Teaching Evaluation Committee, Faculty of Medicine, Dept of Physical Therapy.

| | | | |
|---|--|----------------------|--|
| 2013-present | Member, Advisory Committee to the Dean, Speech Language Pathology Chair Search, Faculty of Medicine, Dept of Speech-Language Pathology. | 2006-2013 | Inter-Societal Accreditation Commission, USA. Founding member of the IAC CT Board of Directors. Representative for the American Academy of Head Neck Surgery. |
| 2011-present | Member, Clinical Promotions Committee, Faculty of Medicine, Graduate Department of Rehabilitation Sciences. | 2003-present | Honorary Trustee, Toronto Cantorial Trust Fund, Cantorial Clergymen of Ontario |
| 2011-present | Associate Chair, Faculty of Medicine, Dept of Speech-Language Pathology. | 2002-present | Director, International Continuing Education, Continuing Education Committee. Faculty of Medicine, University of Toronto. |
| 2011-present | Member, Examination Committee, Faculty of Medicine, Dept of Speech-Language Pathology. | 2000-present | Board of Governors, Mount Sinai Hospital. |
| 2011-present | Faculty Liaison, MSc/PhD Student Committee, Faculty of Medicine, Dept of Speech-Language Pathology. | 2000-present | Course Co-Director, Multidisciplinary videoteleconferencing medical rounds between Canadian health institutions and Israeli, Jordanian and Palestinian medical schools, accredited by the University of Toronto, Faculty of Medicine, and under the aegis of the Peter A Silverman Global eHealth Program (PASGeP) and CISEPO. |
| 2011-present | Chair, Promotions Committee, Faculty of Medicine, Dept of Speech-Language Pathology. | 1984-present | Founder and Member of the Board, Canada International Scientific Exchange Program (CISEPO). |
| 2011-present | Member, Senior Advisory Committee, Faculty of Medicine, Dept of Speech-Language Pathology. | 1998-present | Canadian representative, Steering Committee. Middle East Health Association, brokered by CISEPO, [formerly known as Middle East Association for Managing Hearing Loss (MEHA)]. |
| 2011-present | Member, Website Committee, Faculty of Medicine, Dept of Speech-Language Pathology. | 1996-present | Committee on Strategies for Maintaining and Enhancing Mount Sinai Hospital's Relationship with the Jewish Community. |
| 2013-2016 | Faculty Member, Life Sciences (Division IV), Graduate Academic Appeals Board, School of Graduate Studies. | 1993-present | Co-chair, Continuing Professional Development Awards Subcommittee. Faculty of Medicine, University of Toronto. |
| 2012-2013 | Member, GDRS Council, Faculty of Medicine, Graduate Department of Rehabilitation Sciences. | 1993-present | Continuing Professional Development, Subcommittee on Pharmaceutical-Industry Relations, University of Toronto. |
| 2011-2013 | Member, Advancement, Faculty of Medicine, Dept of Speech-Language Pathology. | 1993-present | Continuing Medical Education Industrial Task Force Subcommittee, University of Toronto. |
| NAZARALI K | | 1992-present | Editorial Board, Current Opinion in Otolaryngology-Head & Neck Surgery. |
| 2012-present | Continuing Education Director, West End Otolaryngology-Head & Neck Surgery Group. | OH A | |
| 2012-present | Member, Pharmaceutical and Therapeutics Committee, Trillium Health Partners. | 2013-2014 | Surgical Transition Team, Humber River Hospital. |
| NG R | | 2012-2014 | Order Sets Committee, Humber River Hospital. |
| Invited Board membership, Hearing Foundation of Canada. | | PAPAIOANNOU V | |
| NGAN B | | 2005-present | Professional Advisory Committee, The Hospital for Sick Children. |
| 1999-present | Site Representative, Pathology Discipline, Children's Oncology group, CureSearch. | 2003-present | Advisory Committee, Georgian College Communicative Disorders Assistant Program. |
| 1999-present | Member, Cancer Trial Support Unit, Pharmaceutical Branch, National Institute of Health, National Cancer Institute. | 2001-present | Audiology Work Group – Infant Hearing Program (City of Toronto). |
| NOYEK A | | | |
| 2013 | Motivational/Keynote Speaker, National Research Meeting on Spinal Cord Injury (SCI), SCI Rehabilitation E-Scan: Moving from Blueprint to Action. | | |



College of Audiologists and Speech Language Pathologists of Ontario (CASLPO)

| | |
|--------------|--|
| 2013-2014 | Vice President, Audiology. |
| 2013-present | Chair, Finance Committee. |
| 2013-present | Patient Relations Committee. |
| 2009-present | Audiology Practice Advisory Committee. |
| 2009-present | Executive Committee. |
| 2009-present | Councillor. |

Canadian Association of Speech Language Pathologists and Audiologists (CASLPA)

| | |
|--------------|---|
| 2012- 2013 | Supportive Personnel Guidelines Review Committee. |
| 2010-present | Awards Committee. |

PAPSIN BC

| | |
|--------------|--|
| 2013-2014 | Member, Nominating Committee. American Society of Pediatric Otolaryngology. |
| 2013 | Course Development. International Pediatric Temporal Bone Dissection Course. |
| 2013 | Course Development. Minimal Access Cochlear Implantation in Children: New Concepts. AAO Instructional Course - AAO Annual Meeting, Vancouver BC. |
| 2013 | Course Development. Top Tips in Pediatric Tympanomastoid Surgery. AAO Instructional Course - AAO Annual Meeting in Vancouver, BC. |
| 2013 | Course Development. AAO Miniseminar. Hearing Loss 2013: Expanded technology, expanded criteria. Very young and multiply handicapped children. |
| 2011-2014 | Executive Committee, Board of Directors. American Society of Pediatric Otolaryngology. |
| 2011-present | Board of Examiners, Undergraduate Medical Program, Chairman. University of Toronto, Faculty of Medicine Committees. |
| 2010-present | Reviewer, Editorial Board. Journal of International Advanced Otology. |
| 2010-present | Member, Editorial Board. The Journal of International Advanced Otology (IAO) |
| 2010-present | Member, How I do it (HIDI) Committee. The Triologic Society. |
| 2009-present | Member, Departmental Promotions Committee. Department of Otolaryngology-Head & Neck Surgery. |
| 2007-present | Member, Pediatric Otolaryngology Education Committee. American Academy of Otolaryngology-Head & Neck Surgery. |
| 2006-present | Surgical Research Committee, The Hospital for Sick Children. |
| 2006-present | Reviewer, Editorial Board. Archives of Otolaryngology - Head and Neck Surgery. |
| 2006-present | Reviewer, Editorial Board. Journal of Otology and Neurotology. |

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|--------------|---|
| 2004-present | Reviewer, Editorial Board. BMC Ear, Nose and Throat Disorders. |
| 2004-present | Reviewer. Editorial Board. International Journal of Pediatric Otorhinolaryngology. |
| 2004-present | Chapter Liaison, Section on Otolaryngology - Head and Neck Surgery. The American Academy of Pediatrics. |
| 2003-present | Reviewer, Editorial Board. American Academy of Otolaryngology-Head & Neck Surgery. |
| 2003-present | Reviewer, Editorial Board. The Laryngoscope (Journal of the Triologic Society). |
| 2000-present | Reviewer, Editorial Board. University of Toronto Medical Journal. |
| 2000-present | Credentials Committee, Hospital for Sick Children. |
| 1998-present | Reviewer, Editorial Board. The Journal of Otolaryngology. |

POTHIER D

| | |
|------|--|
| 2014 | Director/Co-Director or Advisor: Cape EES Course, South Africa. |
| 2014 | Director/Co-Director or Advisor: Harvard Oto-Endoscopic Course, USA. |
| 2014 | Director/Co-Director or Advisor: 4th Toronto Endoscopic Ear Surgery Dissection Course. |
| 2014 | Director/Co-Director or Advisor: Ottawa EES Course. |
| 2013 | Director/Co-Director or Advisor: St Louis EES Course, USA. |

Editorial Boards

Journal of Surgery Research and Practice.
Advances in Cellular and Molecular Otolaryngology.
Member of Conference Papers in Medicine.
Editorial Advisory Group - F1000Research.

Reviewer

British Medical Journal.
Medical Science Monitor.
Brain.

Grant Proposal Reviews:

Action on Hearing Loss grant reviewer.
NIHR Health Technology Assessment Program.
UK NIHR reviewer.

Collaborations

University of Modena: Clinical Endoscopic Anatomy.
Emory University: Catastrophization in Voice Disorders.

PROPST E

- 2013-present Undergraduate Education Site Director. Otolaryngology, The Hospital for Sick Children.
- 2013-present Residency Education Site Director. Otolaryngology, The Hospital for Sick Children.
- 2012-present Director. Flexible Endoscopic Evaluation of Swallowing (FEES) Clinic, The Hospital for Sick Children.
- 2012-present Fellowship Director. Otolaryngology-Head & Neck Surgery, The Hospital for Sick Children.
- 2011-present Co-Director. Disorders Relating to the Airway and Mouth in Sleep (DREAMS) Clinic, The Hospital for Sick Children.

Manuscript Reviews

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

Ontario Government

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

The Hospital for Sick Children

- 2013-present Residency Education Site Director, Residency Site Director, Postgraduate MD, Dept of Otolaryngology - Head & Neck Surgery, Faculty of Medicine.
- 2013-present Undergraduate Education Site Director, Undergraduate Education Site Director, Postgraduate MD, Dept of Otolaryngology - Head & Neck Surgery, Faculty of Medicine.
- 2013-present Member, Multidisciplinary Tracheoesophageal Fistula (TEF) Clinic.
- 2013-present Medical Advisor, Parent Education Group, Hospital Improvement Taskforce, Ambulatory Design Committee.
- 2013-present Residency Education Site Director, Summer Studentship Application Review Committee, Multilevel Education, Dept of Surgery, Faculty of Medicine.
- 2012-present Fellowship Director, Pediatric Otolaryngology Fellowship Director, Postgraduate MD, Dept of Otolaryngology-Head & Neck Surgery, Faculty of Medicine.
- 2012-present Director, Flexible Endoscopic Evaluation of Swallowing (FEES) Clinic.
- 2011-present Co-Director, Disorders Relating to the Airway and Mouth in Sleep (DREAMS) Clinic.
- 2010-present Member, Stem Cell Working Group.

RALHAN R

- 2012-present Editor, Journal of Biomarkers.
- 2011-present Editorial Board Member, Frontiers in Cancer Genetics.
- 2009-present South Asia Advisory Board Member for L.I.R. Biochemistry.
- 2008-present Advisory Board Member, Head & Neck Oncology.
- 2008-present Editorial Board Member, Journal of Oral Pathology & Medicine.
- 2008-present Editorial Board Member, The Open Biomarkers Journal.
- 2007-present Editorial Board Member Oral Oncology.
- 2006-present Editorial Board Member, International Journal of Cancer.

RUTKA J

- 2006-present Staff Consultant Otolaryngologist. Head Injury Program, St. Michael's Hospital.
- 2005-present Cross-appointment. Division of Neurosurgery, Dept of Surgery, University of Toronto.
- 2002-present Consultant Otolaryngologist. Dryden District Regional Health Center.
- 1994-present Consultant Panel Member. Ontario Anti-infective Review Panel.
- 1990-present Consultant Otolaryngologist. Workplace Safety & Insurance Appeals Tribunal (WSIAT of Ontario).
- 1987-present Consultant Otolaryngologist. Meno Ya Win Sioux Lookout District Hospital, Sioux Lookout.
- 1987-present Chief Otoneurologic Consultant. Workplace Safety and Insurance Board (WSIB) of Ontario.

Editorial Boards

- 1998-present Kommunikom Press, Otitis Diagnostica.
- 1992-present Canadian Journal of Diagnosis.
- 1990-present Journal of Otolaryngology Head and Neck Surgery.

SEABERG R

- 2014-present Physician Education Leader, Orientation & Training Transition Committee, Humber River Hospital.
- 2012-present Physician Education Leader, Tracheotomy Protocol Development & Implementation, Baycrest Hospital.

STORMS D

- 2010-present Peer Assessor, College of Speech Language Pathologists and Audiologists of Ontario (CASLPO).



VESCAN A

2013-present Membership Credentialing Committee. North American Skull Base Society.
2012-2014 Assistant Director of Undergraduate Medical Education. Otolaryngology-Head & Neck Surgery, University of Toronto.

Manuscript Reviews

2012-present Head & Neck.
2009-present Allergy and Rhinology.
2008-present The Laryngoscope.
2008-present Journal of Otolaryngology - Head and Neck Surgery.
2007-present Skull Base.

Canadian Society of Otolaryngology Head & Neck Surgery

2011-present Member, Rhinology Working Group.
2013-present Undergraduate Medical Education Committee.

WITTERICK I

2009-present Associate Member. Institute of Medical Science, University of Toronto.
2003-2013 Course Co-Director, Annual Otolaryngology Update.

Editorial Boards

2010-present Skull Base.
2010-present Associate Editor. American Journal of Rhinology & Allergy.
2009-present Ear, Nose, and Throat Journal.
2004-present Associate Editor. Allergy and Asthma.
1997-present Associate Editor. Journal of Otolaryngology - Head & Neck Surgery.

Manuscript Reviews

2014-present BMJ Case Reports.
2012-present Journal of Surgical Oncology.
2011-present Cancer.
2011-present Annals of Otolaryngology, Rhinology and Laryngology.
2011-present International Journal of Surgical Oncology.
2010-present Skull Base.
2010-present American Journal of Rhinology & Allergy.
2008-present Head & Neck.
2005-present Otolaryngology-Head & Neck Surgery.
2004-present Peer Reviewer. Cochrane Ear, Nose and Throat Disorders Group.
2003-present The Laryngoscope.
1993-present Journal of Otolaryngology-HNS.

North American Skull Base Society

2014-present Member, Program Committee, 25th Annual North American Skull Base Society Meeting, Tampa, FL, February 2015.

2013-present Member, Executive Committee.
2013-present Chair, Finance and Audit Committee.
2013-present Member, Surgical Education Committee.
2013-present Member, Vendor Relations Committee.
2013-present Treasurer.
2011-present Member, Board of Directors.
2011-2013 Member, Constitution and Bylaws Committee.
2010-2013 Member, Organizing Committee, Second World Congress on Thyroid Cancer, July 10-14, 2013, Toronto.

Canadian Society of Otolaryngology - Head & Neck Surgery

2012-present Member, Canadian Otolaryngology Academic Chairs (COACH) Committee.
2010-present Ontario Representative, Canadian Society of Otolaryngology-HNS Council.
2010-present Member, Nominating/Long Range Planning Committee.
2010-present Member, CPD/CME Committee.
2002-present Member, Head & Neck Oncology Group.
2002-present Member, Rhinology Group.
2010-2013 Chair, Rhinology Group.
2010-2013 Member, Fellowship Committee.

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.

University of Toronto, Faculty of Medicine

2012-present Member, Executive Committee, Institute of Medical Science.
2012-present Member, Clinical Chairs Committee.
2012-present Member, All Chairs Committee.
2012-present Member, Clinical Relations Committee.
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, Advisory Committee on Professionalism.
2008-present Member, Steering Committee, Surgical Skills Centre.

Mount Sinai Hospital

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

ZADEH G

2014 Director of Academic Affairs, Division of Neurosurgery, University of Toronto.

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| 2014 | Representative, International Outreach for Neuro-oncology by the Society of Neuro-oncology. |
| 2013 | Member, Guidelines Committee, American Association of Neurological Surgeons (AANS). |
| 2013 | Scientist, Princess Margaret Cancer Centre – Research (PM-R), Brain Tumour program at the Ontario Cancer Institute. |
| 2013 | Member, Strategic Planning Committee for Society of Neuro-oncology. |
| 2013 | Scientific Co-Chair, Society of Neuro-oncology 2014 Scientific Meeting. |
| 2013 | Chair, Neuro-oncology Committee for World Federation of Neurological Surgeons |
| 2013 | Co-Chair, City Wide Brain Tumor Biobank, University of Toronto. |
| 2013 | Member, CIHR Cancer Biology and Therapeutics panel. |
| 2013 | Member, Society of University Neurosurgeons. |
| 2013 | Guest Editor, Neuro-oncology Journal. |

ZIRKLE M

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| 2010-present | Director. FitzGerald Academy, St Michael's Hospital. |
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St. Michael's Hospital

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| 2013 | Department of Family and Community Medicine Chief Selection, Multilevel Education, Dept of Otolaryngology-Head & Neck Surgery. |
| 2010-present | Committee Member, Education Council, Multilevel Education. |
| 2010-present | Committee Member, Interprofessional Education, Dept of Otolaryngology-Head & Neck Surgery. |
| 2010-present | Co-Chair, Student Experience Committee, Dept of Otolaryngology-Head & Neck Surgery. |

Undergraduate Medical Education

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| 2013-present | Working Group for Health Science Research Course, Faculty of Medicine, Canada. |
| 2013-present | Longitudinal Integrated Clerkship Working Group, Undergraduate Education, Faculty of Medicine. |
| 2014-2014 | 5 year Review for reappointment of CFD director, Multilevel Education, Centre for Faculty Development, Faculty of Medicine. |

University of Toronto

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| 2010-present | Member, Undergraduate Medical Education, Executive Committee, Undergraduate MD, |
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| | Dept of Otolaryngology-Head & Neck Surgery, Faculty of Medicine. |
| 2010-present | Member, Undergraduate Medical Education, Curriculum Committee, Undergraduate MD, Dept of Otolaryngology-Head & Neck Surgery, Faculty of Medicine. |
| 2010-present | Member, Undergraduate Medical Education, Academy Director Committee, Undergraduate MD, Dept of Otolaryngology-Head & Neck Surgery, Faculty of Medicine. |
| 2010-present | Member, Undergraduate Medical Education, Clerkship Committee, Undergraduate MD, Dept of Otolaryngology-Head & Neck Surgery, Faculty of Medicine. |
| 2010-present | Member, Undergraduate Medical Education, PreClerkship Committee, Undergraduate MD, Dept of Otolaryngology-Head & Neck Surgery, Faculty of Medicine. |

Research Grants and Contracts

(funding in Canadian dollars unless otherwise stated)

ABEL S

Strategies for Mitigating Communication Challenges and Hearing Loss in High-Level Noise During Military Manoeuvres. Abel SM, Ho G, Nakashima A and Burrell C. Defence R&D Canada, Personnel Partner Group, Human Integration Thrust, Internal Operating Grant 14dr. 2012-15.

The Benefit of Supplemental Text Messaging for Resolving Auditory Overload. Abel SM, Ho G, Burrell C and Smith I. 2012-14.

The Effect of Integrated Hearing Protection Surround Levels on Sound Localization. Abel SM, Burrell C, Saunders D. 2013-14.

Total for all 3: \$475,000

ANDERSON J

Principal Investigator. Effects of External Vibrations on Voice Quality in Singers and Muscle Tension Dysphonia Patients. Alternate Funding Plan, St. Michael's Hospital, SMHAIF-101. Collaborators: DeLuca M, Haines ME, Merrick G. [Grants]. Total Amount: \$10,900. 2013-present.

BRADLEY G

Voronov I (PI) and Bradley G. The Impact of R740S Mutation of the Tcigr1 Gene on Tooth Development and Eruption in Osteopetrotic Mice Faculty of Dentistry, Dental Research Institute. \$6,000. 2013-2014.



BRANDT MG

Development and Validation of a Novel Scar Assessment Scale. Brandt MG, Doyle PC. Western University – Western Graduate Research Scholarship. \$28,500. 4-years.

CAMPISI P

Co-Investigator. Randomized Controlled Trial of Voice Therapy on Children with Vocal Nodules. \$287,764. 2012-2015.

Co-Investigator. Ophthalmoscopy Simulation (OphthoSim) for Training and Objective Evaluation of Endoscopic Skills amongst Residents: An Open Randomized Control Trial. Mary Jo Haddad Innovation Fund (2014). PI: Yeh A. Collaborators: Kouzmitcheva E, Campisi P, Forte V, Atkinson A, Ali A. \$8,500. 2014.

Principal Investigator. Juvenile Onset Recurrent Respiratory Papillomatosis: Ongoing Surveillance of a Canadian Registry. Merck Frosst. \$35,000. 2011-2013.

CHEN J

Co-Principal Investigator/Co-inventor. Music Ear: A validated diagnostic and rehabilitation computer software for cochlear implant users. Med-EI Medical Electronics (Canada and Austria). Collaborators: Friesen L, Shipp D, Lin V. \$140,000. 2011-2013.

Primary Researcher. Creating an Artificial Temporal Bone as a Surgical Simulation Model. Sunnybrook Health Sciences Centre. Collaborators: Mainpriz J, Symons S. \$20,000. 2008-present.

CHIODO A

Investigator. Seminar Based Otoscopy Simulation Teaching. With Campisi P, Forte V, Xu J, Oyeyemi D. TEGH Educational Scholarship Award and Research Grant, Toronto East General Hospital, Wightman-Berris Academy. \$5,000. 2014-2015.

CUSHING S

Collaborator. Behavioural and Neurophysiological Effects of Transcranial Magnetic Stimulation in the Primate. Corneil B, Cushing S. Canadian Institutes of Health Research (CIHR). \$754,470. 2012-2017.

Collaborator. Neural mechanisms for contextual control of movement: Top-down and bottom-up influences on eye-head gaze shifts. Corneil B, Cushing S. Canadian Institutes of Health Research (CIHR). \$818,395. 2009-2014.

DABDOUB A

Co-Principal Investigator. Expression of Wnt Pathway Molecules and Potential to Stimulate Hair Cell Regeneration. With Dr. Albert Edge. Hearing Health Foundation (USA). Harvard Medical School. \$1,250,000 USD. 2014-2015. Grant ended September 2012 as NIDCD did not allow transfer of the grant to U of T Canada.

Focusing on Atoh1 to Identify its Partners and Downstream Targets. Harry Barbarian Research Award. Dept of Otolaryngology- Head & Neck Surgery. \$5,000. 2014.

Principal Investigator. Development of Sensory and Neural Cells in the Mammalian Cochlea. Canadian Foundation for Innovation - Leaders Opportunity Fund. Equipment grant: \$635,305. 2013-2018.

Principal Investigator. Hair Cell Regeneration: Focusing on Atoh1. The Hearing Foundation of Canada. \$20,000. 2013-2014.

Principal Investigator. Induction of Cochlear Neurons by Defined Transcription Factors. Capita Foundation. \$90,000. 2013.

ENEPEKIDES D

Co-Principal Investigator. Magnetic Resonance Guided High Intensity Focused Ultrasound for Head and Neck Cancer - A Pilot Study. Focused Ultrasound Foundation. \$75,000 USD. 2012-2014.

GOLDSTEIN D

Co-Investigator. Intra-operative 3D Imaging for Head and Neck Cancer Surgery. MSH-UHN AMO Innovation Fund. PI: Irish, Jonathan. Collaborators: Jaffray D, Daly M, Chan H, Weersink R, Muhanna N, Gilbert R. \$105,585. 2014-2015.

Principal Investigator. Functional Outcomes in Older Patients Undergoing Head and Neck Surgery. University of Toronto, Faculty of Medicine, Dean's Fund Grant Competition. \$20,000. 2014-2014.

Principal Investigator. Regional Variation in Processes of Care for Head & Neck Cancer Patients. MSH-UHN AMO Innovation Fund, MSH-UHN AMO Innovation Fund. Collaborators: Regional Variation in Processes of Care for Head & Neck Cancer Patients. \$39,972. 2013-2015.

Co-Principal Investigator. Prognostic Significance of HPV in Carcinoma of Unknown Primary. Harry Barbarian Scholarship Fund. Dept of Otolaryngology- Head & Neck Surgery. Collaborator: Au M. \$5,000. 2013-2014.

Co-Principal Investigator. Search for the Unknown: A prospective trial for transoral robotic lingual tonsillectomy for the detection of unknown primary SCC of the head and neck. Harry Barbarian Scholarship Fund. Dept of Otolaryngology-Head & Neck Surgery. \$5,000. 2013-2014.

Co-Principal Investigator. Chromatin Remodeling and Head and Neck Squamous Cell Carcinoma. Harry Barbarian Scholarship Fund. \$5,000. 2013-2014.

GORDON KA

Primary Investigator. Restoring Binaural Hearing to Children Who are Deaf. Co-Investigator: Papsin BC. CIHR Operating Grant. \$623,602. 2013-2018.

Primary Investigator. Cortical Activity in Long-Term Cochlear Implant Users. Co-Investigators: Papsin BC, Jiwani S. The Hearing Foundation of Canada. \$18,000. 2014.

Co-Investigator. Development and Ageing of Binaural Hearing. With Harrison RV (PI), Wang L-W, Lin V, Friesen L. CIHR Team Grant. \$1,216,125. 2010-2015.

Primary Investigator. Cortical Plasticity in Children Who are Deaf. Co-Investigator: Papsin BC. CIHR Operating Grant. \$567,623. 2009- 2014.

HARRISON RV

Team Leader. The Development and Ageing of Binaural Hearing. Co-Principal Investigators: Gordon K, Lin V, Friesen L, James A, Wang J. CIHR Team Grant. \$243,229/yr. 2010-2015.

HEKKENBERG R

Otonomy OTO-201, Phase 3 Trial Treating Pediatric Middle Ear Effusions at Time of Tube Insertion with Auripro. 2013-2014.

HIGGINS K

Co-Principal Investigator. The Application of MR-Guided HIFU for Regionally Recurrent Unresectable Head and Neck Carcinoma. FUS Foundation. Collaborator: Enepekides D. \$75,000. 2013-2015.

Principal Investigator. COOLs Study. \$20,500. 2011- present.

IRISH JC

Collaborator. Science Operating Room Extension (ScORE). Canada Foundation for Innovation, Leaders Opportunity Fund – Funding for research infrastructure. Principal Investigator: Jaffray, D. with Zheng G. \$1,997,099. 2014-2019.

Principal Investigator. Intraoperative 3D Imaging for Head & Neck Cancer Surgery. MSH-UHN AMO INNOVATION FUND. Collaborators: Jaffray D, Daly M, Chan H, Weersink R, Muhanna N, Goldstein D, Gilbert R. \$105,585. 2014-2015.

Co-Investigator. Understanding Diagnostic Episodes of Care in Patients with Early vs Late Cancers. Canadian Institutes of Health Research (CIHR). Principal Investigator: Groome, Patti. Collaborators: Booth C, Gilbert J, Grunfeld E, Irish J, Langley H, Lofters A, Moineddin R, Porter G. \$413,622. 2012-2015.

Co-Investigator. A Population-Based Outcome and Economic Evaluation of Interventions for Gastric Cancer. Canadian Institutes of Health Research (CIHR). PI: Coburn, Natalie. Collaborators: Coburn N, Irish JC, McLeod RS, Brar SS, Dixon ME, Dobrow M, Earle CC, Johnson A, Karanickolas PJ, Kiss AJ, Krahn MD, Law CH, Mahar AL, Paszat LF, Wright FC. \$371,784. 2012-2015.

Co-Investigator. A New Psychoeducational Intervention to Minimize Illness Intrusiveness in Head and Neck Cancer. Canadian Cancer Society Research Institute. PI: Devins G. Collaborators: Ringash J, Martino R, Lebel S (Co-investigators). \$242,421. 2011-2015.

Co-Applicant. Teaching Oncology Social Workers In-Training to Identify the Sense of Burden on Others in People with Cancer. Canadian Institutes of Health Research (CIHR). Principal Investigator: Devins, G. Collaborators: Hynie M, Cheng T, Payne A. \$209,196. 2013-2016.

Principal Investigator. Advanced Handheld SPECT System for Intraoperative Guidance. Canadian Institute of Health Research. With Jaffray D \$159,845. 2014-2015.

JAMES A

Principal Investigator. Mastoid Pneumatization: A novel method of volumetric assessment. Harry Barbarian Research Fund. Collaborators: Peer S, Wolter N. \$5,000. 2014.

Co-Principal Investigator. Development and Ageing of Binaural Hearing. Canadian Institutes of Health Research - CIHR, Team Grant: Vision, Hearing and Communication Disorders. Collaborators: Wang LY, Gordon K, James AL, Lin V, Friesen L. \$1,250,000. 2010-2015.

LAUGHLIN S

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



LEE J

Principal Investigator. Development of the Nasal Physiology Laboratory at St. Michael's Hospital. Harry Barberian Research Fund. \$3,500. 2014-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. 2014-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: Dr. Gordon Tsang, Resident. \$9,875. 2013-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: Aman Grewal (Resident). \$10,650. 2011-present.

LIN V

Principal Investigator. Characterization of the Effect of CI on Vestibular Function in the Elderly Population and Determination of the Potential Protective Effects of Intraoperative Steroid Treatment. Harry Barberian Fund. \$3,800. 2014 May.

Co-Investigator. Effect of Glucocorticoids on the Vestibular System. Harry Barberian Research Fund. \$5,000. 2013-2014.

Principal Investigator. Development of a Hearing Impaired Version of the Montreal Cognitive Assessment (MoCA). Med-EL Austria. \$50,000. 2013-2015.

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: Friesen L. \$135,000 EUR. 2012-2014.

Co-Principal Investigator. Team Grant on Ageing & Hearing and Vision Sciences. Canadian Institutes of Health Research (CIHR). \$1,250,000. 2010-2015.

Principal Investigator. Hearing Foundation of Canada Research Fellow. Hearing Foundation of Canada (The). [Research Fellowships]. \$250,000. 2009-2014.

MARTINO R

Co-Investigator. Developing a Model for an Integrated Rehabilitation Consultation Process with Survivors of Head and Neck Cancer. Principal Investigator: McEwen, S.

Collaborators: Ringash J, Davis A, Jones J. University of Toronto, Faculty of Medicine. Grant Miller Cancer Research Grant. \$24,465. 2013-2014.

Principle Investigator. Canada Research Chair in Swallowing Disorders. Canada Research Chairs. \$500,000. 2013-2018.

Co-Principal Investigator. Pilot Study of Feasibility and Potential Cost-Effectiveness of Intensive Speech-Language Pathology Intervention for Patients Undergoing Primary Radiotherapy/Chemoradiotherapy for Head and Neck Cancer. Collaborators: Ringash J, Longo C, Durkin L. Canadian Centre for Applied Research in Cancer Control. \$50,000. 2013-2014.

Principal Investigator. Dysphagia Screening in Stroke Patients: TOR-BSST© translation. F. Silver. Canadian Stroke Network. Knowledge Mobilization Grant. \$23,100. 2013-2014.

Co-Investigator. Changes in Cardiac Function during a Swallow Exercise Program in Patients with Coronary Artery Disease. Principal Investigator: Barker J. Collaborator: Reichardt T (Co-In). University Health Network. Allied Health Research Fund. \$1,146. 2013-2015.

Co-Investigator. The Facebook Laryngectomy Support Groups Study. Principal Investigator: Pothier L. Collaborator: Cuglietta L. University Health Network. Allied Health Research Fund. \$763. 2013-2015.

Co-Investigator. A New Psychoeducational Intervention to Minimize Illness Intrusiveness in Oral Cancer. Principal Investigator: Devins G. Collaborators: Irish JC, Lebel S, Ringash J, Katz M, Hart S. Canadian Cancer Society Research Institute. \$544,207. 2011-2014.

Principal Investigator. Screening for Dysphagia in Patients Following Prolonged Intubation: Validation of the Toronto Bedside Swallowing Screening Test (TOR-BSST©). Collaborators: Yau T, Granton J, Ivanov J. Canadian Institutes of Health Research (CIHR). \$212,077. 2011-2015.

Co-Investigator. Systematic Review of Factors Influencing the Progression of Neurological Conditions. Principal Investigator: Krewski D. Collaborators: Cashman N, Tremlett H, Little J, MacDonald D, Barakat-Haddad C, Pringsheim T, van Lieshout P, Collins K. Public Health Agency of Canada (PHAC). \$680,037. 2010-2013.

StrokEngine: An interactive e-learning resource for moving evidence-based stroke rehabilitation into clinical practice – Continuation Project. Primary Investigator: Korner-Bitensky N. Collaborators: Menon A, Bourbonnais D, Salbach N, Bayley M, Desrosiers J, Dumoulin C, Duncan P, Eng J, Fellows L, Fung J, Jutai J, Levin M, Mayo N, Page S,

Richards C, Rochette A, Teasell R, Wood-Dauphinee S. Canadian Stroke Network. \$254,700. 2010-2013.

Co-Principal Investigator. Swallowing Companion Study to HN.6. Collaborator: Ringash J. Amgen Canada Inc (Mississauga, ON). \$50,000. HN.6: A Phase III Study of Standard Fractionation Radiotherapy With Concurrent High-Dose Cisplatin Versus Accelerated Fractionation Radiotherapy With Panitumumab in Patients With Locally Advanced Stage III and IV Squamous Cell Carcinoma of the Head and Neck' (Pls - L. Siu and J. Waldron). 2008-2014.

PAPSIN BC

Cortical Plasticity in Children who are Deaf. Gordon KA, Papsin BC: CIHR - Operating Grant: \$682,000. 2009-14.

Endowed Chair. As Inaugural chairholder I have used this money to develop the Cochlear Implant Laboratory and to support advocacy of children with hearing impairment and their families. Papsin BC: Cochlear Americas Chair in Auditory Development (\$2,000,000 2005 - 2015)

Restoring Binaural Hearing to Children who are Deaf. Gordon KA, Papsin BC. CIHR Operating Grant. \$623,602. 2013-18.

POTHIER DD

The Toronto DVA Test Goggles. Pothier DD, Hughes C, Hubbard BJ. Harry Barbarian Research Fund Award. \$5,000. 2014-2015.

Setup of Vestibular Research Fund. Pothier DD. Personal Gift from Patient. \$10,000. 2014 – ongoing.

PROPST E

Principal Investigator. Tracheal Transplantation in a Porcine Model (tracheal stenosis - tissue engineering). Harry Barbarian Scholarship Fund. \$5,000. 2014-present.

Principal Investigator. Development and Testing of a Realistic Model for Teaching Tracheotomy to Trainees. Hospital for Sick Children, Perioperative Services Innovation Grant. Collaborator: Forte V. \$9,500. 2014-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 Innovation Grant. Collaborators: Forte V, Campisi P, Harrison RV, Kus L (Resident). \$10,000. 2012-present.

Principal Investigator. Development of a Novel Sensor to Detect Intravenous Extravasation and Prevent Injury. Hospital for Sick Children, Perioperative Services Innovation Grant. Collaborators: Carillo B, Forte V. \$10,000. 2012-present.

RALHAN R

Development of Cancer Prognostic Test for Prediction of Aggressive Disease in Breast Cancer Patients. International Science and Technology Partnerships Canada (ISTP Canada, Department of Biotechnology (DBT) India. \$320,000. 2013-2015.

Development of Novel Therapeutic Agents for Oral Cancer. CCSRI Innovation grant. With Ailles L, Datti A, Matta A. \$200,000. 2013-2015.

Biomarkers for Head and Neck Cancers and Precancers. PCT/CA2009/0001954 United States Patent Application No 12. \$866,567. 2014.

ZADEH G

Co-Principal Investigator. Prognostic Pathway-Centric Signatures in Glioblastoma Multiforme. Canadian Cancer Society Research Institute (CCSRI). Principal Investigator: Michael Siu, York University). \$185,000. 2013. 2 years funded.

Therapeutic Target of Tumor Metabolism Using Azoles in Glioblastoma. Adam Coules Research Grant. \$50,000. 2013. 1 year funded.

Co-Investigator. Coagulation System Effectors as Regulators of Tumour Dormancy and Therapeutic Targets. Canadian Institutes of Health Research (CIHR). Lead Principal Investigator: Janusz Rak (McGill). 2014. 5 years funded.

Inhibition of MMPs in Malignant Meningiomas. Adam Coules Research Grant. \$50,000. 2014. 1 year funded.



Residents

PGY 1

Stephen Chen
Andrew Ma
Jason Xu
Christopher Yao
Jonathan Yip

PGY 2

Michael Au
Gian-Marco Busato
Gavin le Nobel
Michael Sklar
Gordon Tsang

PGY 3

Antoine (Tony) Eskander
Sarah Hugh
Kayvan Nateghifard
Heather Osborn
Modupe (Dupe) Oyewumi
Edward Park

PGY 4

Vinay Fernandes
Lukas Kus
Jennifer Wang
Nikolaus (Nik) Wolter
Xiao Zhao

PGY 5

Eric Arruda
Janet Chung
Amandeep (Aman) Grewal
Mazin Merdad
Tulika Shinghal



Department of Otolaryngology - Head & Neck Surgery Residents 2013-2014

1st Row: Amandeep Grewal-PGY5, Mazin Merdad-PGY5, Tulika Shinghal-PGY5, Janet Chung-PGY5,
Dr. Paolo Campisi-Program Director, Dr. Jonathan Sykes-Visiting Professor, Dr. Ian Witterick-Chair,
Sarah Hugh-PGY3, Heather Osborn-PGY3, Dupe Oyewumi-PGY3, Eric Arruda-PGY5

2nd Row: Stephen Chen-PGY1, Andrew Ma-PGY1, Christopher Yao-PGY1, Nikolaus Wolter-PGY4, Jason Xu-PGY1,
Antoine Eskander-PGY3, Gian-Marco Busato-PGY2, Gavin le Nobel-PGY2, Xiao Zhao-PGY4, Kayvan Nateghifard-PGY3,
Vinay Fernandes-PGY4, Gordon Tsang-PGY2, Edward Park-PGY3, Lukas Kus-PGY4, Michael Au-PGY1

Missing Resident: Jonathan Yip-PGY1, Jenny Wang-PGY4, Michael Sklar-PGY2

Fellowships

Head and Neck Oncology:

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| Jonathan Bernstein | Dr. Jonathan Irish [PMH/UHN] / Dr. Jeremy Freeman [MSH] |
| Lukasz Czerwonka | Dr. Jeremy Freeman [MSH] / Dr. Jonathan Irish [PMH/UHN] |
| Paul Walker | Drs. Ralph Gilbert, Dale Brown, David Goldstein [PMH/UHN] |
| Samip Patel | Dr. Patrick Gullane [PMH/UHN], Drs. Danny Enepekides, Kevin Higgins [SHSC] |
| Dev Kamdar | Drs. Dale Brown, David Goldstein, Patrick Gullane [PMH/UHN] |
| Hussain Alsaffar | Drs. Danny Enepekides, Kevin Higgins [SHSC], Dr. Ralph Gilbert [PMH/UHN] |
| Nidal Muhanna | Dr. Jonathan Irish [PMH/UHN] |
| Andrew Foreman | Dr. Jeremy Freeman [MSH] |

Facial Plastic Surgery:

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| Lee Tee Sin | Dr. David Ellis [UHN] |
| Noah Sands | Dr. Peter Adamson [UHN] |
| Thiru Siva | Dr. Kris Conrad [MSH] |

Pediatric:

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| Shazia Peer | Dr. Evan Propst [HSC] |
| Luis Vilchez Madrigal | Dr. Evan Propst [HSC] |

Rhinology:

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| Eric Monteiro | Dr. Ian Witterick [MSH] |
| Cassiana Abreu | Dr. Ian Witterick [MSH] (Research) |

Otology Skull Base Surgery:

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| Jafri Kuthubutheen | Dr. Joseph Chen [SHSC] |
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Medical & Surgical Otology/ Neurotology:

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| Ilan Ophir | Dr. John Rutka [UHN] |
| Pranay Singh | Dr. John Rutka [UHN] |
| Carolina Wuesthoff | Dr. John Rutka [UHN] |
| Bradley Hubbard | Dr. John Rutka [UHN] |
| David Pothier | Dr. John Rutka [UHN] |

Laryngology:

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| Maria Brake | Dr. Jennifer Anderson [SMH] |
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Global Health:

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| Shiva Nagarathnam | Dr. Arnold Noyek [MSH] (Research) |
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Dr. Eric Monteiro 2014 Postgraduate Medical Trainee Leadership Award with Dr. Sal Spadafora (left), Vice Dean of PGME and Dr. Paolo Campisi



Toronto Chairs Drs. Peter Alberti, Ian Witterick, Pat Gullane and Julian Nedzelzki

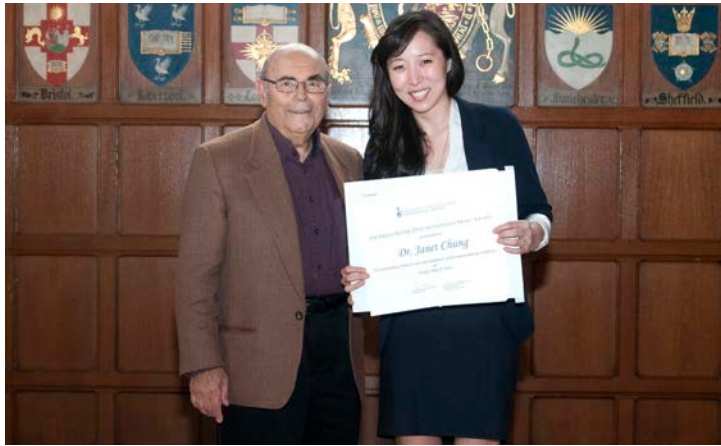


Departmental Awards Program

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

Dr. Jennifer Wang (PGY4) 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 or Master's in Education or PhD degree at the University of Toronto.

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



Dr. Nikolaus Wolter (PGY4) received the **Judy Chauvin Otolaryngology Resident Award** – in recognition of an enthusiastic interest in the initiation of a serious otolaryngology-related research project.



Dr. Noah Sands received the **Kris Conrad Merit Award in Facial Plastic Surgery** - for demonstrating outstanding skills in facial plastic surgery.



Dr. Yvonne Chan received the **Resident Advocacy Award** – in recognition of dedication to improving the residency program through support and mentorship.



Dr. Sarah Hugh (PGY3) received **The Shiley E.O. Pelusa Award** - for demonstration of excellent clinical work by a PGY3.



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



Dr. Al Chiodo received **The Alma Smitheringale Excellence in Undergraduate Teaching Award** - awarded to a faculty member, resident or fellow for outstanding undergraduate teaching, based on his/her teaching evaluations scores.



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



Dr. Julian Nedzelski 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 and neck surgery and whose professional ethical standards have been of the highest order.



Dr. Aman Grewal received the **Resident Teacher 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. Jennifer Wang 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.

Ms. Melissa Polonenko 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.



Harry Barberian Scholarship Awards – 2013-14

Trainee Recipients

Michael Au (PGY2)
“Prognostic Significance of HPV in Carcinoma of Unknown Primary”
(Supervisors: Drs. David Goldstein, Bayardo Perez-Ordenez, Fei-Fei Liu, John de Almeida)

Gavin le Nobel (PGY2)
“Effect of Glucocorticoids on Vestibular System”
(Supervisor: Dr. Vincent Lin)

Shazia Peer (Clinical Fellow, Pediatrics) & Nikolaus Wolter (PGY4)
“Mastoid Pneumatization: A novel method of Volumetric Assessment”
(Supervisor: Dr. Adrian James)

Gordan Tsang (PGY2)
“Waiting for Sinus Surgery: A mixed methods study of psychological morbidity and determinants of heal associated with long wait times for sinus surgery in chronic rhinosinusitis patients”
(Supervisor: Dr. John Lee)

Jennifer Wang (PGY4)
“Chromatin Remodeling and Head & Neck SCCa”
(Supervisors: Drs. David Goldstein & Fei-Fei Liu)

Xiao Zhao (PGY4)
“Role of Adipose-Derived Stem Cells for Reversal of Radiation Fibrosis”
(Supervisor: Dr. Fei-Fei Liu)

Faculty Recipients

Alain Dabdoub, Sunnybrook Health Sciences Centre
“Focusing on Atoh1 to Identify its Partners and Downstream Targets”

John de Almeida, University Health Network (TGH/PMH)
“Prospective Trial of Transoral Robotic Lingual Tonsillectomy”

John Lee, St. Michael's Hospital
“Nasal Airflow Lab”

Vincent Lin, Sunnybrook Health Sciences Centre
“Characterization of the Effect of CI on Vestibular Function in the Elderly”

David Pothier, University Health Network (TGH/TWH)
“Toronto DVA Test Goggles”

Evan Propst, The Hospital for Sick Children
“Tracheal Stenosis – Tissue Engineering”



Scholarship recipients

23rd Annual Percy Ireland Academic Day May 9, 2014

University of Toronto's Hart House, Great Hall

The Department of Otolaryngology-Head & Neck Surgery held its 23rd Annual Percy Ireland Academic Day on **May 9, 2014** at the University of Toronto Hart House. Visiting Professor **Dr. Jonathan M. Sykes** (Director, Facial Plastic and Reconstructive Surgery, Dept of Otolaryngology/Facial Plastic Surgery, University of California, Davis) delivered The Percy Ireland Oration titled: "Care of the Patient with Orofacial Clefting: A joyful but humbling experience". As well, 22 papers were presented by the postgraduate/graduate trainees.



Recognition is given to one presenter in each category:

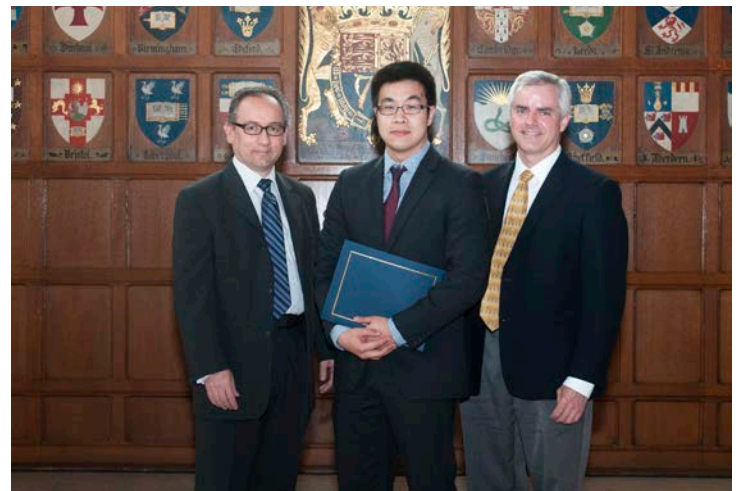
Category 1 - Work undertaken by post-residency research fellows/graduate degree students:

Awarded to **Nik Wolter** for his project: "*Objective Measures of Balance Dysfunction in Children who are Deaf*"



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

Awarded to **Gordon Tsang** for his project: "*A New Method of Determining Interaural Level Discrimination in Pediatric Bilateral Cochlear Implant Patients*"





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

Awarded to **Modupe (Dupe) Oyewumi** for her project: *"Objective Evaluation of Otoscopy Skills in Primary Care Trainees"*



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

Awarded to **Carolina Wuesthoff** for her project: *"Ototoxicity Monitoring during Gentamicin Treatment: Evidence from a Pilot Initiative"*



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

Awarded to **Vinay Fernandes** for his project: *"Surgeon Performed Ultrasound-Guided FNA of the Thyroid: Experience in an Academic Tertiary Care Centre"*



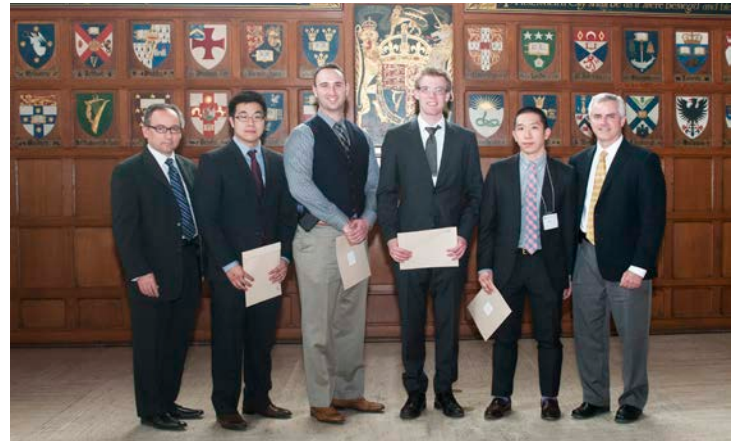
Best Overall Presented Paper:

Awarded to **Antoine (Tony) Eskander** for his project: *"Regional Variations in Processes of Care for Head and Neck Cancer Patients"*



Graduate Degree Students and Research Fellows

L to R: Drs. Paolo Campisi, Xiao Zhao, Melissa Polonenko, Michael Daly, Nik Wolter, Ian Witterick

PGY2 Residents

L to R: Drs. Paolo Campisi, Gordon Tsang, Gian-Marco Busato, Gavin le Nobel, Michael Au, Ian Witterick

PGY3 Residents

L to R: Drs. Paolo Campisi, Ed Park, Dupe Oyewumi, Tony Eskander, Sarah Hugh, Heather Osborn, Kayvan Nateghifard, Ian Witterick

Clinical Fellows

L to R: Drs. Paolo Campisi, Carolina Wuesthoff, Maria Brake, Cassiana Abreu, Tee Sin Lee, Brad Hubbard, Pranay Singh, Ian Witterick

PGY5 Residents

L to R: Drs. Tulika Shinghal, Maz Merdad, Janet Chung, Aman Grewal, Eric Arruda, Paolo Campisi



Dr. John de Almeida



Drs. Bob Harrison (left) and Peter Lewis, Associate Vice-President, Research and Innovation, Global Research Partnership, Faculty of Medicine, U of T



Dr. Jonathan Irish



L to R: Drs. Gordon Tsang, Gavin le Nobel, Ed Park, Stephen Chen, Sarah Hugh and Heather Osborn



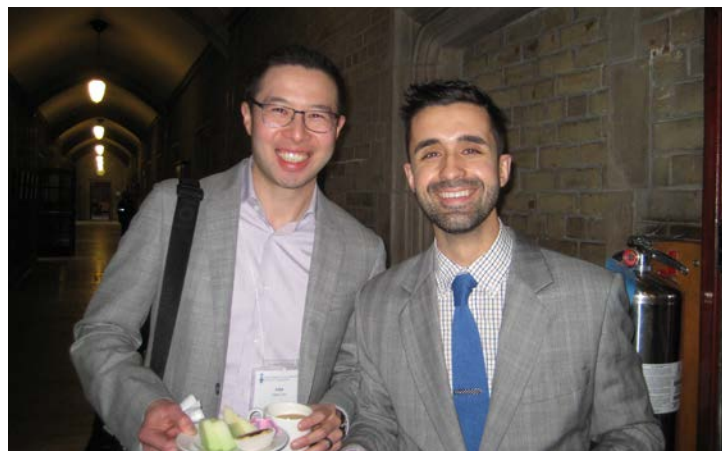
Dr. Karen Gordon



Dr. Sarah Hugh with (L to R) Drs. Andrew Ma, Stephen Chen and Lukasz Czerwinka



Drs. Blake Papsin (left) and Adrian James



Drs. John Lee (left) and Eric Monteiro



Drs. Eric Monteiro (left) and Jennifer Anderson



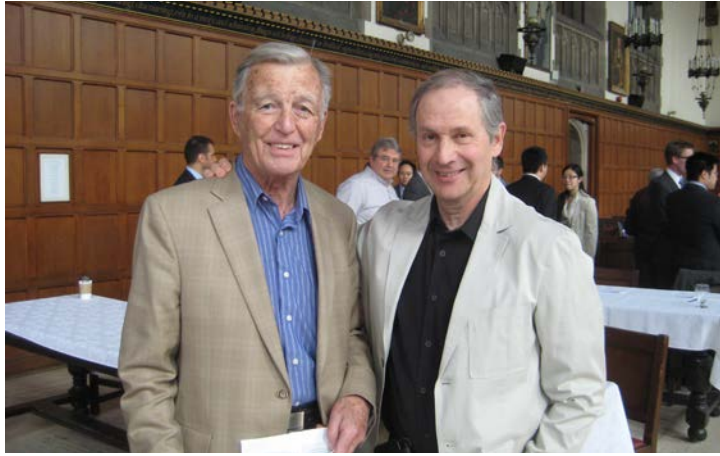
L to R: Drs. Kayvan Nateghifard, Christopher Yao, Dupe Oyewumi and Vito Forte



Drs. Everton Gooden (left) and Jonathan Irish



L to R: Drs. Raewyn Seaberg, Sharon Cushing (standing) and Molly Zirkle



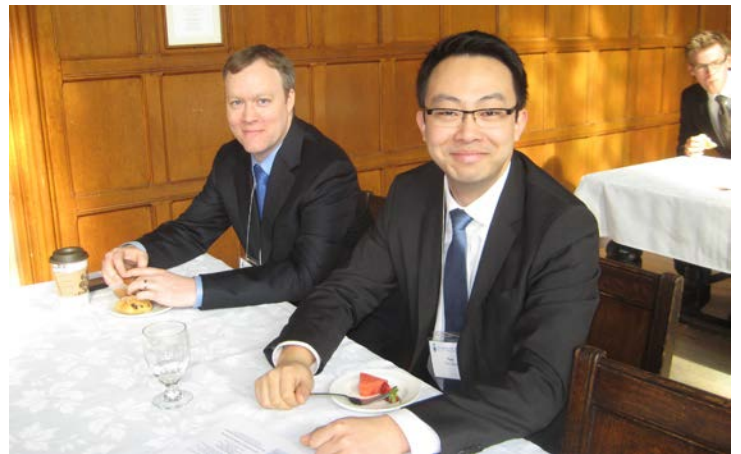
Drs. Simon McGrail (left) and Jeremy Freeman



Drs. John de Almeida (left) and Nik Wolter



L to R: Drs. Paul Walker, Dale Brown, Hussain Alsaffar, Nidal Muhanna and Harley Chan



Drs. Michael Daly (left) and Xiao Zhao

Annual Percy Ireland Dinner – May 8, 2014



Mezzanine Lounge, Park Hyatt Hotel, Toronto



Drs. Dimitri Anastakis (left) and Jamil Asaria



Drs. Yvonne Chan (left) and Jennifer Anderson



L to R: Dr. Aman Grewal, Dr. Maz Merdad, and wife Maysan Madani, Aline Grewal and Dr. Tulika Shinghal



Dr. Janet Chung and husband Adam Roach



L to R: Maria Arruda, Drs. Eric Arruda and Dimitri Anastaki (Vice-Dean, CPD)



**L to R: Dr. Vito Forte, Susan Campisi
and Mary Ann Forte**



Dr. Yvonne Chan's high fashion



Dr. Ian Witterick



Dr. Julian Nedzelski



Dean Catharine Whiteside



**Dr. Raymond Ng (right) being thanked for his
generous donation to create two graduate awards**



L to R: Drs. Pranay Singh, Nidal Muhanna, Hussain Alsaffar and Danny Enepekides



L to R: Dr. Brad Hubbard, and wife Georgia, Dr. Allan Vescan



Nadia Chiodo and Dr. Al Chiodo



Lena Ilan and Dr. Ophir Ilan



Drs. Joanna Zurawska (left) and Lukas Kus



L to R: Dr. Nik Wolter and wife Jennifer, Eileen and Dr. Artur Gevorgyan



L to R: Drs. Gavin le Nobel, Gian-Marco Busato, Christopher Yao, Jonathan Irish, and Rosemary Martino



Drs. Yael Bensoussan (left) and Yelda Jozaghi



L to R: Drs. Weibo Hao, Gordon Tsang, Peter Dixon, Gavin le Nobel



L to R: Amal Abdel-Mesih, Drs. Tony Eskander, Kayvan Nateghifard and Sumeet Anand



Sandra Kellogg (left) and Dr. Michael Au



L to R: Adam Roach and Dr. Janet Chung, Dr. Eric Arruda and Maria Arruda



Drs. Maysan Madani (left) and Maz Merdad



**L to R: Dr. Kris Conrad and wife Christina,
Dr. Wilf Goodman**



**L to R: Drs. Vinay Fernandes, Raewyn Seaberg,
Maria Brake and Molly Zirkle**



**L to R: Drs. Thileep Kandasamy,
Eric Monteiro and wife Stacey**



**L to R: Dr. Tulika Shinghal and husband Ajay Jain,
Dr. Aman Grewal and wife Aline**



**L to R: Drs. Patrick Gullane, Yvonne Chan
and Sal Spadafora**



L to R: Drs. Ashlin Alexander, Nitin Chauhan
and Vincent Lin



L to R: Dr. Dimitri Anastakis, Linda Lewis
and Dr. Peter Lewis



Drs. John Lee (left) and Manish Shah



Dr. Heather Osborn (left) and Konata Lake
(Dupe Oyewumi's husband)



Drs. Yvonne Chan (left) and Sal Spadafora
(Vice-Dean, PGME)



L to R: Dr. Sarah Hugh and husband John
and Dr. Andrew Ma



**L to R: Dr. Jason Xu, Christina Van Boxtel
and Dr. Lukasz Czerwonka**



L to R: Drs. Karen Gordon, Blake Papsin and wife Lisa



**L to R: Drs. Melissa Polonenko, Shazia Peer
and Evan Propst**



Drs. Taryn Davids (left) and Sharon Cushing



**L to R: Dr. Blake Papsin and wife Lisa,
Drs. Melissa Polonenko and Shazia Peer**



L to R: Drs. Ian Witterick, Raymond Ng and Wendy Chui



Guest of Honor Dr. Julian Nedzelski (left)



Dr. Sharon Cushing (left) and Melissa Polonenko



**L to R: Drs. Jennifer Anderson,
Dale Brown and his wife Catherine**



**Drs. Al Chiodo, Artur Gevorgyan and his wife
Eileen Allaverdian-Orumi**



**L to R: Dr. John Lee, Stacey Monteiro,
Drs. Eric Monteiro, Jamil Asaria and Raewyn Seaberg**



Drs. Danny Enepekides (left) and Joseph Chen



L to R: Drs. Dustin Dalgorf, Sanjee Nadarajah and Patrick Gullane



L to R: Drs. Peter Alberti, Ron Fenton and Mrs. Elizabeth Alberti



L to R: Drs. Heather Osborn, Ian Witterick, Aman Grewal, Tulika Shinghal, Dupe Oyewumi, Sara Hugh and Janet Chung



L to R: Drs. Vincent Lin, Manish Shah and Taryn Davids



L to R: Drs. Patrick Gullane, Manish Shah, John de Almeida and Ashlin Alexander



L to R: Drs. Nidal Muhanna, Michael Au, Tulika Shinghal, Michael Sklar, Hussain Alsaffar, Aman Grewal and Maz Merdad

Departmental Committees

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, Oakley Smith



2013 Executive Committee Holiday dinner at McLean House, Estates of Sunnybrook

Undergraduate Medical Education

Chair: Al Chiodo

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, Ryan Figueroa, Eric Lai, Jonathan Yip; Resident Representative: Vinay Fernandes

Residency Program (formerly PGME)

Chair: Paolo Campisi

Members: Al Chiodo, John de Almeida, Rick Fox, Jeremy Freeman, John Lee, Vincent Lin, Evan Propst, Adam Toth; Resident Representatives: Stephen Chen, Janet Chung, Lukas Kus, Gavin le Nobel, Heather Osborn; Fellow Representative: Shazia Peer

Continuing Professional Development

Chair: Yvonne Chan

Members: Al Chiodo, Ian Witterick

Research

Chair: Robert V. Harrison

Members: Alain Dabdoub, 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

Departmental Appointments Committee

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, Aslin Alexander, Sumeet Anand, Jamil Asaria, Jason Atlas, D. Glenn Beard, Michael Brandt, Deron Brown, Roman Chaban, Nitin Chauhan, Al Chiodo, K-Y Chow, Kris Conrad, Joseph da Silva, Dustin Dalgorf, Taryn Davids, Fructuoso M. de Souza, William El Masri, David Ellis, David Finkelstein, Rick Fox, Andres Gantous, David Goldfarb, Everton Gooden, Hany Guirgis, David Hacker, James Haight, Jerry Halik, Basil Hassouneh, Robert Hekkenberg, Robert Josephson, Thileeban Kandasamy, Anil Katyal, William Kaul, Jack Kolenda, 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, Cory Torgerson, Adam Toth, Jeffrey Werger, Joseph K. Wong

Advancement

Chair: Patrick Gullane

Members: Ian Witterick, Farzana Rajwani

Departmental Committees/Divisions Reports



Executive

Dr. I. Witterick (Chair)

The departmental Executive Committee is the senior advisory body to the Chair. The committee includes the hospital chiefs, the directors of undergraduate medical education, postgraduate medical education, continuing education and professional development, research and the chairs of committees in our Department

(Audiology, Advancement, Departmental Appointments Committee and Promotions Committee). The head of our two divisions (Head and Neck Oncology and Facial Plastic and Reconstructive Surgery) as well as the representative of 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 meeting to all Department members. The Committee provides guidance to the Chair in all matters related to the functioning of the Department.

This year, some of the committee meetings were held at hospitals or hospital research institutes including the new SickKids Research and Learning Tower, Sunnybrook Health Sciences Centre, and University Health Network. A tour of the facilities at each institution was held including the research areas, operating rooms and clinics. Plans are in place to visit the remaining hospitals in 2014-15. The committee spent considerable time making sure we are on track with our Strategic Academic Plan. I am grateful to the committee for their guidance, support and thoughtful advice they provided to me. I would like to take this opportunity to acknowledge all members of the committee who served in 2013-14:

Peter Adamson – Head, Division of Facial Plastic and Reconstructive Surgery

Jennifer Anderson – Otolaryngologist-in-Chief, St. Michael's Hospital

Paolo Campisi – Director, PGME

Yvonne Chan – Director, CEPD

Joseph Chen – Otolaryngologist-in-Chief, Sunnybrook Health Sciences Centre

Al Chiodo – Director, UME

Jeremy Freeman – Mt. Sinai Hospital

Ralph Gilbert – Otolaryngologist-in-Chief, UHN

Patrick J. Gullane – Chair, Advancement Committee

Robert V. Harrison – Chair, Promotions & Research Committees

Jonathan Irish – Chair, Appointments Committee

B. Papsin – Otolaryngologist-in-Chief, Hospital for Sick Children

Oakley Smith – Otolaryngologist-in-Chief, Toronto East General Hospital

Vicky Papaioannou – Chair, Audiology Committee



The Three Tenors





L to R: Drs. Patrick Gullane, Barbara Cruickshank, Oakley Smith, Janice Downey, Lisa Papsin, Blake Papsin, Debbie Harrison and Ralph Gilbert



**The Three Tenors with backup singers!
L to R: Dr. Jeremy Freeman, Jenny Witterick, Dr. Yvonne Chan, Elayne Freeman, Drs. Robert Harrison and Jennifer Anderson**



The Three Tenors – Drs. Robert Harrison, Jennifer Anderson and Jeremy Freeman (at the podium)



Undergraduate Medical Education

Dr. A. Chiodo (Chair)

Faculty Development and Strategic Planning

The academic year started with a successful grand rounds session headed by Dr. Jana Bajcar and myself on developing a clerkship teaching toolkit. We were able to cover orienting the learner, observing core clinical skills, along with

teaching and feedback moments.

In October 2013, our university department played host to the Canadian Conference on Undergraduate Medical Education in Otolaryngology-Head & Neck Surgery. 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 Undergraduate Medical Education (UME). The afternoon session involved breakout small group sessions covering various topics in UME as it pertains to our specialty. The day ended with a banquet faculty dinner where Dr. Campisi, our former UME director, was honoured. Drs. Witterick, Gullane and Fung (from Western) should be commended for their support and leadership in making this event a reality.

In January 2014, we were able to participate in the Art and Science of Medicine Year I (ASCM I) course. With the help of Dr. Jean Hudson (ASCM I course director) and Dr. Jana Bajcar, members of our department participated in a faculty development session to help faculty co-teach with existing ASCM I faculty preceptors.

From a strategic planning point of view, 25 priority items were identified during the strategic planning process. For our five-year strategic plan, 16 priorities have been achieved or completed and 9 priorities have been partially completed or are in progress, two years into the five year plan.

University Advancement

In November 2013, with the generosity and philanthropic efforts of Mr. Ralph Chiodo of the Active Green and Ross Corporation, a commitment of \$200,000 over 2 years was pledged towards the purchase of 66 OtoSim™ units dedicated to undergraduate education. To this end, a fundraising dinner at the Active Green and Ross corporate headquarters raised \$105,000 for this initiative. The OtoSim™ units were used in the ASCM I course, Year II MMMD (mechanisms, manifestation and management of disease) course and Year III clerkship course.



**An OtoSim™ unit used to teach medical students.
Virtually simulates ear diseases and disorders.**



Mr. Ralph Chiodo in the simulation classroom



**L to R: Drs. Vito Forte, Paolo Campisi, Al Chiodo
and Ian Witterick**



**L to R (front): Mr. Ralph Chiodo (donor), Drs. Al Chiodo
and Paolo Campisi. Back: Dr. Vito Forte (left)
and Brian Carrillo (Biomedical Engineer)**



Preclerkship Courses

Our department was able to expand into the first year curriculum by participating for the first time in the ASCM I course dealing with the normative physical examination of the head and neck. As mentioned, after a faculty development session, 13 members of our department were able to co-teach the curriculum with existing ASCM I preceptors. For the first time, a large classroom teaching session of otoscopy simulation using our newly purchased OtoSim™ units followed the ASCM I head and neck teaching sessions.

With the guidance of our Assistant UME Director, Dr. Allan Vescan, our Department was able to deliver the second year curriculum through the ASCM II course and MMMD course. Drs. Vescan, Lee and myself 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™ was officially entrenched into the Year II curriculum. Drs. Campisi and Forte taught the highly attended and successful OtoSim™ class.

Our department was able to offer a longitudinal experience in our specialty to first and second year medical students for the first time during this academic year. In addition, our department hosted two interest group sessions. Drs. Adamson and Lee were able to host the first interest group session. During the MMMD week in April 2014, Drs. Witterick, Nedzelski and Propst hosted second year students for the second interest group session.

Postclerkship Courses

With the guidance of our Assistant UME Director, Dr. John Lee, our department was able to expand our presence 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 and Problem Based Learning Course. Drs. Eskander and Arruda were resident preceptors for the Portfolio Course. Over the years, Drs. Davidson, Smitheringale and Zirkle have been faculty leads in the Problem Based Learning Course.

Clerkship

Over the last year, our department has introduced a community-based otolaryngology-head & neck surgery clerkship after a highly successful pilot program at Toronto East General Hospital. Presently, half of the clerks are completing their clerkship at community hospitals. The hospitals involved include the Trillium Health Partners, the Toronto East General Hospital, the Scarborough Hospital, William Osler-Etobicoke Site, Markham Stouffville Hospital and the Humber River Regional Hospital. The community-based program has been most successful and has received

excellent course evaluations by students. Throughout the clerkship, we have introduced a new seminar-based otoscopy simulation session that occurs at the Hospital for Sick Children delivered by Drs. Campisi and Forte. Furthermore, Dr. Propst also delivered a new pediatric seminar this year. Dr. Zirkle, as the Fitzgerald Academy Director, has been instrumental in the design of the new Longitudinal Integrated Clerkship, which will start for the next academic year at St. Michael's Hospital/Fitzgerald Academy.

Research Initiatives

Undergraduate research activities have focused primarily on otoscopy simulation. Otoscopy simulation training in a classroom setting was recently published in the Laryngoscope. Future studies will focus on seminar-based otoscopy simulation training for clerks along with teaching normative otoscopy simulation to first year medical students. Further research studies will also focus on the effectiveness of community-based clerkship teaching in otolaryngology-head & neck surgery.

In closing, this academic year has been a very productive year with many "firsts". Our department was able to expand our presence in the undergraduate curriculum along with introducing otoscopy simulation in the first 3 years of the undergraduate curriculum. Our community-based clerkship is a new and innovative model for delivering the clerkship otolaryngology-head & neck surgery curriculum. I would like to thank all faculty that have been involved with UME including our Academy Site Directors (Drs. Davidson, Brown, Lee, Vescan and Chan). I would also like to thank Drs. Witterick and Campisi for their significant guidance and support. Throughout the years, I have been most privileged to contribute to our university department's educational mission. As I start my new position as Otolaryngologist-in-Chief at the Toronto East General Hospital, I would like to extend my congratulations to our new UME director, Dr. Allan Vescan. His expertise as our Assistant UME Director will serve him well as he starts this new portfolio.

Canadian Conference on Undergraduate Medical Education in Otolaryngology-Head & Neck Surgery, October 2013



Co-Organizers Drs. Al Chiodo (left) and Kevin Fung



Dr. Karen Leslie



Dr. Martin Schreiber, Curriculum Director, UME



Ms. Jana Bajcar (left) and Dr. Al Chiodo



Event Faculty, PMH Auditorium



Drs. Paolo Campisi (left) and Al Chiodo



Residency Program

Dr. Paolo Campisi (Chair)

The 2013-2014 academic year has been another banner 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.

Residency Program Committee

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. The committee members for the 2013-2014 academic year were:

Dr. Albino Chiodo – Toronto East General Hospital
Dr. John de Almeida – University Health Network
Dr. Rick Fox – St. Joseph's Health Centre
Dr. Jeremy Freeman – Mount Sinai Hospital
Dr. John Lee – St. Michael's Hospital
Dr. Vincent Lin – Sunnybrook Health Sciences Centre and Research Committee Representative
Dr. Adam Toth – Mississauga Academy of Medicine

Dr. Shazia Peer – Fellow representative
Dr. Janet Chung – Chief Resident representative (until April 30, 2014)
Dr. Lukas Kus – PGY 4 representative, Chief Resident representative (after May 1, 2014)
Dr. Heather Osborn – PGY3 representative
Dr. Gavin le Nobel – PGY2 representative
Dr. Stephen Chen – PGY1 representative
Congratulations and a sincere thank you to all the members of the RPC for their invaluable contributions.

Residents

There were 26 residents and 22 clinical/research fellows enrolled in Postgraduate training programs within our Department. At the end of the academic year, Dr. Michael Sklar (PGY 2) transferred to the Anesthesia Residency Program in Toronto. The Department also welcomed Dr. Michael Awad into the Otolaryngology-Head & Neck Surgery Program. Dr. Awad completed his PGY 1 year in Neurosurgery at the University of Ottawa. Dr. Janet Chung served as Chief Resident, representing her co-residents in an exemplary fashion. Dr. Chung completed her term on April 30, 2014 and Dr. Lukas Kus was elected the incoming Chief Resident. Congratulations Janet and Lukas.

The graduating group of residents successfully passed the Royal College Examinations in Otolaryngology-Head & Neck Surgery held in Ottawa on May 15, 2014. Congratulations to Drs. Eric Arruda, Janet Chung, Aman Grewal, Mazin Merdad and Tulika Shingal. Dr. Arruda will be completing a Head and Neck Surgical Oncology Fellowship in Toronto at the University Health Network. Dr. Merdad will also complete Fellowship training in Head and Neck Surgical Oncology at Johns Hopkins University in Baltimore. Dr. Shingal will undertake a Laryngology Fellowship with Dr. J. Anderson at St. Michael's Hospital. Drs. Chung and Grewal have taken Faculty positions at Trillium Health Centre in Mississauga.

Resident Selection

The CaRMS selection process, held on January 31, 2014, 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. Paolo Campisi, Ian Witterick, Janet Chung, Xiao Zhao, Sarah Hugh, and Nik Wolter. The MMI's were administered by Drs. Yvonne Chan, Robert Harrison, Vincent Lin and Eric Monteiro. The surgical skills station was prepared and administered by Drs. Vito Forte and Vinay Fernandes.

The Department successfully matched all available positions to Canadian medical graduates. The Department was delighted to welcome Yael Bensoussan from Université de Montréal, Peter Dixon from the University of Toronto, Weibo Hao from Western University, and Yelda Jozaghi and Patrick Scheffler from McGill University.

Residency Curriculum

The Residency Core Curriculum is provided over a 3-year cycle to residents in the PGY 2-4 years. In the 2013-2014 academic year, the core topics covered were Facial Plastic and Reconstructive Surgery and Head and Neck Surgical Oncology. Dr. Peter Adamson and Dr. Ralph Gilbert served as leads for the series of lectures provided. The PGY 1 residents attended weekly "Foundations of Surgery" lectures and a "Prep Camp" in July prior to joining clinical rotations. The PGY 5 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 represents the Department on the NITE National Committee, contributing to the development and evaluation of the examination.

The Faculty has continued to provide several exceptional clinical courses for the residents and fellows. A special thank you goes out to Drs. Peter Adamson and Oakley Smith (Soft Tissue Dissection and Rhinoplasty courses), Drs. Jamil Asaria and Peter Adamson (Injectable Fillers Course), Dr. Ian Witterick (Sinus Endoscopy Course), Dr. David Pothier (Endoscopic Ear Surgery Course), Drs. Dale Brown and Jack Friedberg (Laser Safety Course) and the many faculty that contributed to the 6 Temporal Bone Dissection Courses.

Several new initiatives were introduced into the program in the past academic year. Sessions with standardized patients were organized to review CanMEDS competencies, an on-line case logging system and a resident retreat. The first resident retreat was held on March 14, 2014. The morning session included a seminar on 'Resident as Teacher' which was led by Dr. Parveen Wasi from McMaster University. Residents then enjoyed an evening at a Raptors basketball game in box seats. The resident retreat will be an annual event. Other initiatives on the horizon include a formal sleep medicine rotation organized by Dr. Raymond Ng and competency based surgical STACERS.

Fellowship Programs

The Department of Otolaryngology-Head & Neck Surgery at the University of Toronto continues to be a beacon for fellowship training nationally and internationally. There were 22 fellows enrolled in clinical and research training in our Department for the 2013-2014 academic year.

| | Country of Medical Training | Fellowship |
|------------------------|-----------------------------|---|
| Ohir, Ilan | Israel | Medical & Surgical Otolaryngology/Neurotology |
| Singh, Pranay Kumar | United Kingdom | Medical & Surgical Otolaryngology/Neurotology |
| Wuesthoff, Carolina | Columbia | Medical & Surgical Otolaryngology/Neurotology |
| Hubbard, Bradley | Canada | Medical & Surgical Otolaryngology/Neurotology |
| Kuthubutheen, Jafri | Australia | Otolaryngology Skull Base Surgery |
| Peer, Shazia | South Africa | Pediatric Otolaryngology |
| Vilchez Madrigal, Luis | Costa Rica | Pediatric Otolaryngology |
| Monteiro, Eric | Canada | Rhinology |
| Sin, Lee Tee | Singapore | Facial Plastic & Reconstructive Surgery |
| Sands, Noah | Canada | Facial Plastic & Reconstructive Surgery |
| Siva, Thiru | United Kingdom | Facial Plastic & Reconstructive Surgery |
| Bernstein, Jonathan | United Kingdom | Head & Neck Oncology |
| Czerwonka, Lukasz | United States | Head & Neck Oncology |
| Walker, Paul | United States | Head & Neck Oncology |
| Patel, Samip | United States | Head & Neck Oncology |
| Kamdar, Dev | United States | Head & Neck Oncology |
| Alsaffar, Hussain | Canada | Head & Neck Oncology |
| Muhanna, Nidal | Israel | Head & Neck Oncology |
| Foreman, Andrew | Australia | Head & Neck Oncology |
| Brake, Maria | Canada | Laryngology |
| Abreu, Cassiana | Brazil | Rhinology (Research) |
| Nagaratnam, Shiva | West Indies | Global Health |



Research

The PGY 2 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. Drs. Tony Eskander and Nikolaus Wolter completed their Master's Degrees in the past year as part of the prestigious Clinician Investigator Program (CIP). Drs. Jennifer Wang and Xiao Zhao are currently enrolled in the CIP.

During the 2013-2014 academic year, a formal Research Committee was established with Dr. Robert V. Harrison, Director of Research, as Chair. Dr. Vincent Lin serves on the Research Committee and represents this committee on the Residency Program Committee (RPC). The Director of Postgraduate Education is an ex-officio member of the Research Committee and represents this committee on the Residency Program Committee (RPC). The Director of Postgraduate Education is an ex-officio member of the Research Committee. Cross-representation with the RPC ensures adequate review of resident research proposals, development of the annual Percy Ireland Academic Day, review and prioritize letters of intent submitted by residents interested in graduate programs.

The second Harry Barberian Fundraising Dinner was held on May 5th, 2014. The proceeds from this annual event will be used to fund resident and Faculty research in the Department. The recipients of Harry Barberian Scholarships for the 2013-2014 academic year are listed in the "Departmental Awards Program" section of the annual report. A special thank you to Dr. Jeremy Freeman for his steadfast support of this annual event.

The Percy Ireland Annual Academic Day was held on May 9, 2014. The invited Professor was Dr. Jonathan Sykes from the University of California, Davis. 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.

Research and Teaching Awards

- Dr. Jennifer Wang – Awarded the American Head and Neck Society Ballantyne Resident Research Grant for the research proposal entitled *"Chromatin Remodeling and Head and Neck Squamous Cell Carcinoma"*.
- Dr. Jennifer Wang – Awarded the Joseph M. West Family Memorial Fund and the William S. Fenwick Research Fellowship, Faculty of Medicine, University of Toronto
- Dr. Nikolaus Wolter – Awarded the Hospital for Sick Children Restrcomp Award. Dr. Wolter's project was ranked 1st overall.
- Dr. Nikolaus Wolter – Awarded the William M.

Montgomery, MD Resident Research Award from the Triological Society Eastern Section for his paper entitled: *"The Impact of Challenging Environmental Stimuli on Balance in Children with Bilateral Cochlovestibular Loss: Balancing in a Virtual World"*.

- Dr. Tony Eskander – Awarded the John J. Conley, MD Resident Research Award from the Triological Society Eastern Section for his paper entitled: *"Volume Outcome Relationships in the Surgical Management of Head and Neck Cancer in a Universal Health Care System"*.
- Dr. Jason Xu – Awarded 2nd Place Poster Prize at the 68th Annual Meeting of the Canadian Society of Otolaryngology – Head and Neck Surgery Meeting. The poster was entitled: *"Epistaxis after Endoscopic Sinus Surgery: Does the Type of Post-Operative Packing Matter?"*
- Dr. Edward Park – Awarded 2nd Place in the Clinical Science Category at the Poliquin Resident Competition at the 68th Annual Meeting of the Canadian Society of Otolaryngology – Head and Neck Surgery Meeting. The presentation was entitled: *"Predictors of Round Window Accessibility via Facial Recess Approach Based on Pre-Operative CT Petrous Bone Imaging"*.
- Dr. Eric Monteiro – Recipient of the 2014 Postgraduate Medical Trainee Leadership Award for his outstanding contribution to the training program.
- Dr. Aman Grewal was recognized by his peers as the Resident Teacher of the Year.
- Dr. Allan Vescan was recognized by Faculty and Residents as Postgraduate Teacher of the Year.
- Dr. Yvonne Chan was recognized by the residents and awarded the Resident Advocacy Award.
- Dr. Jenny Wang and Dr. Xiao Zhao were both admitted to and funded by the Ministry of Health – Clinical Investigator Program.
- Dr. Jenny Wang received the 2013 PSI Foundation Resident Research Prize for Excellence in Research Papers

Congratulations to all of the residents and faculty that participated in the Chief's Cup Competition at the Foggy Dew Pub on January 22, 2014. It was a great evening of friendly competition and good laughs.



The Chief's Cup

It was a tight race but in the end, Team Chip Shot (Drs. Ralph Gilbert, Sarah Hugh, Michael Au and Christopher Yao) emerged victorious. Their names will be forever etched on the Chief's Cup trophy.



2014 Graduation Ceremony for Residents and Fellows - June 16, 2014 University of Toronto's Hart House





2014 Graduation Dinner for Residents Canoe Restaurant, June 17, 2014



L to R: Drs. Jennifer Anderson, Janet Chung, Maz Merdad, Tulika Shinghal, Eric Arruda and Aman Grewal



Drs. Yvonne Chan (left) and Janet Chung



Front Row L to R: Susan Campisi, Maysan Madani, Dr. Ian Witterick, Aline Grewal, Dr. Aman Grewal, Maria Arruda, Dr. Eric Arruda.

Back Row L to R: Dr. Maz Merdad, Adam Roach, Dr. Janet Chung, Dr. Tulika Shinghal and Ajay Jain



L to R: Drs. Maz Merdad, Janet Chung, Aman Grewal, Tulika Shinghal and Eric Arruda



L to R: Drs. Ian Witterick and Eric Arruda, Maria Arruda, Susan Campisi and Dr. Paolo Campisi



Graduating Residents with spouses with Dr. Paolo Campisi and wife Susan Campisi at Canoe Restaurant



L to R: Drs. Ian Witterick, Maz Merdad, Janet Chung, Aman Grewal, Tulika Shinghal, Eric Arruda and Paolo Campisi



L to R: Dr. Maz Merdad and wife Maysan Madani, Dr. Janet Chung and husband Adam Roach, Dr. Aman Grewal and wife Aline Grewal, Dr. Eric Arruda and wife Maria Arruda, and in back Dr. Tulika Shinghal and husband Ajay Jain



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 2 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 Speaker(s) |
|-------------------|---|--|
| May 23, 2014 | 16th Annual Wharton/Elia Day "Head & Neck Oncology: a Tribute to Kian Ang" (Organizers included Drs. Brian O'Sullivan, Ralph Gilbert, Patrick Gullane, Jonathan Irish) | Dr. Randal Weber, MD Anderson CC (Wharton Lecturer) Dr. Ian Mackenzie, Queen Mary University of London (Elia Lecturer) Dr. Eben Rosenthal, University of Alabama at Birmingham (Sullivan Lecturer) |
| May 8-9, 2014 | 23rd Annual Percy Ireland Academic Day and Dinner (Drs. Ian Witterick, Paolo Campisi) | Dr. Jonathan Sykes, University of California Davis HS Dr. Julian Nedzelski (Guest of Honour), University of Toronto |
| May 1, 2014 | Mini Ultrasound Workshop | Dr. Mira Milas, Oregon Health and Sciences University |
| April 29-30, 2014 | 4th North American Endoscopic Ear Surgery Dissection Course (Dr. David Pothier) | Dr. Matteo Alicandri-Ciufelli, Italy Dr. Stephane Ayache, France Dr. Adrian James, University of Toronto Dr. Seiji Kakehata, Japan Dr. Jane Lea, UBC Dr. Phillip Lai, Oakville, Ontario Dr. Daniele Marchioni, Universidade de Modena, Italy Dr. Joao F. Nogueira, Federal University of Sao Paulo, Brazil |
| February 8, 2014 | 12th Annual Otolaryngology-Head & Neck Surgery Update 2014 and the OMA Annual Otolaryngology Meeting (Drs. Yvonne Chan, Al Chiodo, Oakley Smith) | University of Toronto Drs. Peter Adamson, Jennifer Anderson, Paolo Campisi, Joseph Chen, Sharon Cushing, Dustin Dalgorf, David Ellis, Rick Fox, Jeremy Freeman, David Goldfarb, John Lee, Randy Leung, David Pothier, Manish Shah, Nowell Solish, Cory Torgerson, Al Vescan, Ian Witterick, Adrienne Wong McMaster University Drs. Jason Archibald, John MacLean, Doron Sommer University of British Columbia Dr. Jane Lea Western University Drs. Sumit Agrawal, Cory Moore |

Courses Organized

| Date(s) | Course Title (Organizers) | Guest Faculty/Invited Speaker(s) |
|--------------------|---|---|
| February 7, 2014 | Dizziness Update for the Community Practitioner & Allied Health Professional (Drs. Sharon Cushing, Vincent Lin & John Rutka) | Dr. Yvonne Chan, University of Toronto Dr. Al Chiodo, University of Toronto Ms. Wanda Dillion, University Health Network Dr. Philip Gerretsen, University of Toronto Dr. Jane Lea, University of British Columbia Dr. David Pothier, University of Toronto Dr. Paul Ranalli, University of Toronto Ms. Shaleen Sulway, University Health Network |
| December 5-6, 2013 | Controversies in the Management of Head & Neck & Thyroid Cancer (London UK) (Drs. Ralph Gilbert & Patrick Gullane) | |
| November 23, 2013 | Otolaryngology Update for the Primary Care Physician and Allied Health Professional (Dr. Yvonne Chan) | Dr. Vincent Lin, University of Toronto |
| October 19, 2013 | Canadian Conference on UME in Otolaryngology (Drs. Paolo Campisi & Al Chiodo) | Dr. Kevin Fung, Western University Jana Bajcar Dr. Al Chiodo Dr. Chi-Ming Chow Dr. Karen Leslie Dr. Richard Pittini Dr. Martin Schreiber |
| August 21-23, 2013 | International Pediatric Temporal Bone Course (Dr. Adrian James) | Dr. Sharon Cushing, University of Toronto Dr. Blake Papsin, University of Toronto Dr. David Pothier, University of Toronto Dr. Antje Aschendorff Dr. Cor Cremers Dr. Rob O'Reilly Dr. Joseph Chen Dr. John Rutka Dr. Julian Nedzelski Dr. Vincent Lin |
| July 10-14, 2013 | 2nd World Congress on Thyroid Cancer (Drs. Jeremy Freeman & Ian Witterick) | Dr. Bryan McIver, Endocrine Experts LLC Dr. Gregory W. Randolph, Harvard Medical School Dr. Jatin P. Shah, Memorial Sloan-Kettering Cancer Centre Dr. Ashok R. Shaha, Memorial Sloan-Kettering Cancer Centre Dr. Steven I. Sherman, UT MD Anderson Cancer Centre Dr. R. Michael Tuttle, Memorial Sloan-Kettering Cancer Centre |



12th Annual Otolaryngology-HNS Update, February 2014



OtoUpdate 2014 - Auditorium @
Li Ka Shing, St. Michael's



OtoUpdate 2014 - Auditorium @
Li Ka Shing, St. Michael's



OtoUpdate 2014 - Panelists



L to R: Drs. Al Chiodo, Kenny Ngo, Allan Vescan
and Lorne Segall



FPRS Panel L to R: Drs. David Ellis, Cory Torgerson,
Nowell Solish and Jamil Asaria



OtoUpdate 2014 - Exhibit Hall



Drs. Eric Monteiro (left) and Jennifer Anderson



L to R: Drs. Karim Nazarali, Thileep Kandasamy and Raewyn Seaberg



Drs. Yvonne Chan (left) and Everton Gooden



L to R: Drs. Nitin Chauhan, Aman Grewal and John Lee



L to R: Drs. Dustin Dalgorf, Artur Gevorgyan, Raewyn Seaberg, Marshall Hay, Jamil Asaria, Randy Leung, Kenny Ngo and Aimee Mabini



Drs. Vitaly Kisilevsky (left) and Guillermo Castillo



Pediatric Panel L to R: Drs. Sharon Cushing, David Goldfarb, Jonathan McLean and Rick Fox

DEPARTMENT OF OTOLARYNGOLOGY - HEAD & NECK SURGERY



Invited Professors

| | Date(s) | Title of Talk |
|---|--------------------------------|---|
| Dr. Rowan Valentine, University of Adelaide | September 27, 2013 | 3D Anatomy of the Skull Base |
| TMJ Fellows Dr. Graham Smelt Dr. Brian Bingham Dr. John Crowther Dr. Robin Youngs | October 17, 2013 | 3 Tips from 33 Years in General ENT Nose Bleeds for Experts Acoustic Neuroma Decision Making in Rhinosinus Surgery Recurrent Acute Otitis Media in Children |
| TMJ Fellows | October 18, 2013 | Complications of Chronic Otitis Media Thoughts on 20 Years of Endoscopic Dacrocystorhinostomy |
| Dr. Etienne de Villers- Sidani, McGill University | January 24, 2014 | Everything but Static: How experience profoundly shapes auditory cortical circuits in the developing and aging brain |
| Dr. David Zee, Johns Hopkins University (David Tomlinson Lecture) | January 31, 2014 | The Effects of Strong Magnetic Fields of MRI Machines on the Labyrinths of Normal Human Beings |
| Dr. Richard Rosenfeld, State University of New York Downstate Medical Centre | February 7, 2014 | Critical Thinking in Otolaryngology |
| Ms. Marilyn Reed (Krista Rico Lecture), Baycrest Centre | February 14, 2014 | The Role of Audiology in Health Aging (see photo below) |
| Dr. Mira Milas (Binstock Lecturer), Oregon Health and Science University | May 1, 2014 May 2, 2014 | Head & Neck Ultrasound Symposium Innovations in the Management of Thyroid Cancer and Hereditary Thyroid Cancer Presentations |
| Professor Patrick J. Bradley, University of Nottingham | May 29, 2014 May 30, 2014 | Hypopharyngeal Cancer – Slow progress Salivary Gland Diseases – A life-time learning |
| Dr. Andrew N. Goldberg, University of California San Francisco School of Medicine | June 26, 2014 June 27, 2014 | Surgical Management of the Frontal Sinus Microbial Ecology of the Sinuses |



**Krista Riko (right) with Marilyn Reed -
Visiting Professor, Krista Riko Lecture
February 14, 2014**



**Visiting Professor Dr. Andrew Goldberg
June 26-27, 2014**

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 Professional Development 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. This year, Dr. Noyek has planned 4 additional University of Toronto-Qatar courses in clinical audiology, auditory verbal therapy, vestibular rehabilitation, and optometry assistant programs to run between April 2013 and December 2014.

Upcoming Courses – 2014-2015 & Beyond

October 15-18, 2014: 8th Int'l Symposium on Objective Measures in Auditory Implants, Toronto
 October 14-15, 2014: Int'l Pediatric Endoscopic and Microscopic Temporal Bone Surgery Course, Toronto
 October 14-15, 2014: 5th Annual Int'l Pediatric Vestibular and Balance Update, Toronto
 October 16, 2014: 5th Toronto Int'l Pediatric Endoscopic Course, Toronto
 October 17, 2014: Toronto Int'l Pediatric Open Airway Surgery Course, Toronto
 November 7-9, 2014: Current Concepts in Head & Neck Surgery, Toronto
 2016: Int'l 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 dossier for promotion application. I would like to thank Ms. Audrea Martin, our business officer, for her continued excellent support for our CPD portfolio.



Research Committee

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. 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 relating to otolaryngology - HNS. The diagram on pg. 103 shows the research teams that work within our university department.

This past year we have reorganized our research committee so as to represent the research in each of our core teaching hospitals, and to fairly represent both clinical and basic research. Our committee membership is currently as follows. SickKids: Karen Gordon and Evan Propst; Sunnybrook: Alain Dabdoub and Vincent Lin; Mount Sinai: Al Vescan; St. Mikes: John Lee; UHN: David Pothier and David Goldstein. Ex officio members are Ian Witterick and Paolo Campisi.

The past year has seen an outstanding annual academic (Percy Ireland) day, where the focus of attention is on both clinical trainees' research during residency or fellowship, as well as graduate students in basic science labs. We also hosted an excellent research evening (November 2013) that exhibited an overview of many of the research activities in the department.

The past year has seen the start of, and the fruition of, many research initiatives, and we continue to steadily improve our research productivity in terms of input of research funding, and output as research papers and presentations. By all measures of research productivity, we continue to grow in strength. We certainly fulfill the research mission of the University of Toronto Faculty of Medicine. Well done to all those who have contributed to our success.



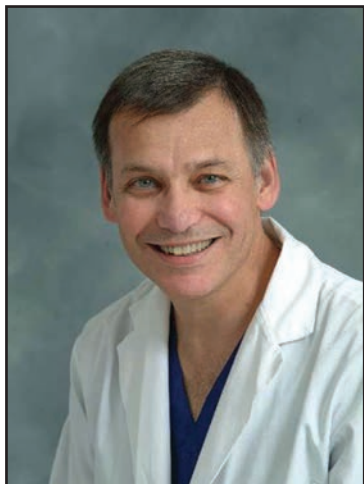
Audiology Committee Report

Ms. Vicky Papaioannou
(Chair)

The Audiology Committee enjoyed a successful year in large part due to a wonderful group of audiologists dedicated to research, undergraduate and postgraduate education, and continuing professional development within the department.

Members of the Audiology Committee under the leadership of Susan Druker provided audiology teaching as part of the Otolaryngology-Head & Neck Surgery curriculum for the undergraduate medical students. The core lecture series for the otolaryngology residents took place again in the fall. The "Audiogram of the month" continued for another year allowing residents a more frequent guided experience with interpreting audiograms. Marilyn Reed, audiologist at Baycrest, was this year's speaker for the Krista Riko Lecture. Marilyn presented on the role of Audiology in healthy aging.

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.



Departmental Appointments Committee

Dr. Jonathan Irish (Chair)

The Departmental Appointments Committee (DAC) was established in all clinical departments under the directive of the Dean of Medicine, University of Toronto. The DAC has the following mandates:

1. ensure consistent and appropriate appointment processes to the Department of Otolaryngology-Head and 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 Fulltime 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 and full time appointments, all adjunct appointments and conducts a performance review of all Full-time academic appointments at the end of the probationary period.

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

The Departmental Advisory Committee has made the following directives to the Chair of the Department this year:

DAC Committee July 1, 2013 to June 30, 2014 Approval of Probationary Term Review

Dr. Evan Propst
Dr. Sharon Cushing
Dr. Allan Vescan



Approval of New Full-Time Faculty Appointments

Doug Chepeha (UHN)

Approval of New Clinical Adjunct Faculty Appointments at the rank of Lecturer

Dr. Ashlin Alexander
 Dr. Sumeet Anand
 Dr. Jason Atlas
 Dr. Roman Chaban
 Dr. Dustin Dalgorf
 Dr. David Hacker
 Dr. Thileep Kandasamy
 Dr. Alfred Oh
 Dr. Victor Toran

Approval of New Clinical Adjunct Faculty Appointments at the rank of Assistant Professor

Dr. Raymond Ng

Approval of Full-Time Faculty Promotions – Lecturer to Assistant Professor

- none

Approval of New Status Only Faculty

-none

Approval of Clinical Adjunct Faculty Promotions – Lecturer to Assistant Professor

-none

Approval of Clinical Part-time Faculty Promotion – Lecturer to Assistant Professor

-none

Approval of change in Appointment Type from Adjunct to Part-time

Dr. Karim Nazarali
 Dr. Jerry Halik

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

**Promotions Committee**

Dr. Robert V. Harrison
 (Chair)

Our Promotions Committee reflects the full range of sub-specialty interests in Otolaryngology-Head & Neck Surgery. All members of this committee are at the rank of Full Professor. The committee for this year has consisted of Ralph Gilbert, Peter Adamson, Joseph Chen, Blake Papsin and

Jonathan Irish. Ian Witterick is ex officio.

“Promotion through the ranks” at the University of Toronto is an important marker of academic achievement. 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 being a good role model and pursuing excellence in clinical practice. The role of our departmental Promotions Committee is to assess and recommend promotion candidates to our Chair and to the Dean. Our committee also assists the 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.

For this past year are pleased to report that Drs. Al Chiodo, Kevin Higgins and Danny Enepekides achieved promotion to the rank of Associate Professor.

**Budget Advisory Committee**

Dr. Ian Witterick (Chair)

The Budget Advisory Committee met three times in the 2013-14 academic year. The committee helps to guide the Chair in appropriately monitoring the financial affairs of the department, particularly related to academic stipends. This year, the structure of the

academic stipends was changed to cap the total amount of expenditures each year to a fixed amount. The stipends are used to support full-time faculty members with a significant commitment to education and/or research. The different options suggested by the committee were vetted at each of the full-time hospital staff meetings. Support will continue for new full-time faculty for their first three years.



Community Academic Faculty

Dr. Yvonne Chan (Lead)

The membership of this group of faculty has increased significantly in the last 4 years as new graduates are recruited as well as the establishment of the Mississauga Academy of Medicine (MAM). As undergraduate medical

education in our specialty expands, Dr. Al Chiodo has also reached out to recruit new clinical teachers at our community partner sites across the GTA in the past year. I would like to welcome the following new community academic faculty: Drs. Ashlin Alexander, Sumeet Anand, Jason Atlas, Roman Chaban, Dustin Dalgorf, David Hacker, Thileep Kandasamy, Raymond Ng, and Alfred Oh.

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 the MAM are actively involved in the Arts & Science of Clinical Medicine teaching and are preparing for the arrival of clerks this upcoming academic year. Medical students are also being supervised by our community faculty during clinical observerships, both pre-clerkship and clerkship. At the post-graduate education level, trainees continue to rotate through Toronto East General Hospital, North York General Hospital, St. Joseph's Health Centre, and the Trillium Health Partners. PGY4 residents have a one month rotation in Facial Plastic and Reconstructive Surgery with Drs. Peter Adamson, Jamil Asaria, Kris Conrad, David Ellis, Andres Gantous, Philip Solomon, and Richard Rival. In addition to residency training, world renowned fellowships in Facial Plastic and Reconstructive Surgery are offered by Drs. Adamson, Ellis, and Conrad.

Our Community Academic Faculty is involved in Continuing Professional Development to practicing otolaryngologists. We sponsored an excellent lecture "Allergen Immunotherapy: From Subcutaneous Injection to Oral Tablet" by Dr. Harold Kim. We were involved in the planning and sponsorship of the successful 12th Annual Otolaryngology Update in February 2014 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 2014. This award is presented to an Alumnus of University of Toronto, Department of Otolaryngology-Head & Neck Surgery and whose professional and ethical standard have been of the highest order. This year's award was presented to Dr. Julian Nedzelski.

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.



Advancement Initiatives & Successes

Dr. Patrick Gullane (Lead)

Our Senior Development Officer, Ms. Farzana Rajwani resigned to return out West. We wish Farzana well and thank her for her efforts on behalf of our Department. We are currently looking for a replacement with the help of the advancement office in the Faculty of Medicine.

The Da Vinci Gala for Thyroid Cancer Care and Research held on June 4, 2014 raised funds in support of The Joseph & Mildred Sonshine Family Centre for Head and Neck Diseases at Mount Sinai Hospital. This year, the honorees were Lou & Marisa Rocca. There were over 600 in attendance and many hundreds of thousands of dollars was raised for thyroid cancer care and research at MSH.

Through hospital support and a generous donation from the Arnold M. Noyek Legacy Fund, the MSH Department redesigned a space to house an interactive TeleHealth communications facility to bridge small conferences and rounds with other centres around the world. The Global TeleHealth Studio was officially opened on June 17, 2014.

The second Harry Barberian Memorial Dinner to honor the late Mr. Harry Barberian, an iconic restaurateur in Toronto was held on May 5, 2014. The dinner was organized by Dr. Jeremy Freeman, Mr. Aaron Barberian (the son) and the MSH Foundation. Mr. Ken Taylor, former Canadian Ambassador to Iran and a key figure in the Academy Award Winning film *Argo*, was the Guest Speaker. Approximately \$95,000 was raised which will be used to support faculty, resident/fellow and graduate research in the Department. We hope to continue this dinner as an annual event.

Dr. Jennifer Anderson has raised over \$1.6 million dollars for a Voice Disorders Chair. A decision will be made in the next academic year whether to continue to raise funds for a \$3 million dollar endowed chair or convert the existing money to a term chair (5 years).

Dr. Ralph Gilbert was named as the first Gullane Family/O'Neil Family Chair in Otolaryngology-Head & Neck Surgery. As mentioned in the Chair's Report, the \$3 million dollar endowed Chair held at the Princess Margaret Foundation was generously donated by grateful patients, colleagues and family of Dr. Patrick Gullane. Dr. Murray O'Neil achieved a very successful career in medicine and farming and was effectively treated by Dr. Gullane for a head & neck malignancy. When Dr. O'Neil passed away shortly after his 80th birthday in 2013, the PMH Foundation received a \$1 million bequest from Dr. O'Neil's estate which was directed to complete the Gullane Family/O'Neil Family Chair in Otolaryngology-Head & Neck Surgery.

A second fund raising dinner to complete the \$200,000 pledge to purchase OtoSim™ units for the University Department is planned in January 2015.



Division of Head and Neck Oncology

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

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 Cancer Centre/UHN site with surgical services at the Toronto General Hospital; Princess Margaret Cancer Centre /Mount Sinai site with surgical services at Mount Sinai Hospital and the Sunnybrook/Odette site.

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

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

The PMCC/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 PMCC Foundation with key donations from the Joe Findlay and Wharton endowments. This year saw the opening of the H&N robotics program with Drs. John de Almeida and David Goldstein providing leadership in this area. The Guided Therapeutics (GTx) Program under Dr. Jonathan Irish's leadership continues to grow with a strong translational research program and innovation in image guided surgical oncology. The Department at UHN will be heavily involved in the IFHNOS/AHNS Meeting in New York with Drs. Gullane and Gilbert giving two of the 6 keynote lectures at the meeting.

The PMCC/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 Mount Sinai and the Toronto Western Hospital. The Mount Sinai site has an active and extremely productive molecular oncology program in endocrine and oral cancer. Dr. Jeremy Freeman continues to provide international academic leadership in Endocrine Oncology.

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. Enepekides has assumed the role as Head of Surgical Oncology at Sunnybrook and the Odette Cancer Centre and will provide outstanding leadership to this program.

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 Cancer Center in Houston in presenting the annual Current Concepts Meeting continues and involves a broad spectrum of our faculty. 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; ASCO, IFOS, COSM, AHNS and the North American Skull Base Meeting.

The Division continues to thrive providing world-class clinical programs to the regional 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

It is my pleasure to report on the activities of the Division of Facial Plastic and Reconstructive Surgery for the academic year 2013-2014. We presently have 18 members, with two new members this year, Doctors Ashlin Alexander and Nitin Chauhan. Other

members include Doctors Jamil Asaria, Michael Brandt, Krzysztof Conrad, David Ellis, Danny Enepekides, Andres Gantous, Ralph Gilbert, David Goldstein, Kevin Higgins, Robert Mounsey, Xerxes Punthakee, Richard Rival, Oakley Smith, Phil Solomon, Cory Torgerson and the undersigned. Unfortunately, one of our original members, Dr. William Middleton, was deceased this year. Bill was an enthusiastic teacher and well-known for his outgoing personality.

In addition to our members, the work of our division has been made possible through the support of our Chair, Dr. Ian Witterick, ably assisted by our dedicated departmental administrative staff of Sonia Costantino, Sandra Kellogg and Audrea Martin. On behalf of all our division members, my appreciation and gratitude is extended to them.

Teaching courses

Three courses were held in conjunction with the Mount Sinai Hospital Surgical Skills Laboratory. They included a Soft Tissue Dissection Workshop on December 20, 2013 directed by Dr. Oakley Smith and assisted by Dr. Alexander. Faculty included Doctors Michael Brandt, Kevin Higgins, Robert Mounsey and fellows Tee Sin Lee and Noah Sands.

Our Injectables Workshop was held on February 12, 2014. This was directed by Dr. Jamil Asaria, assisted by Dr. Adamson, and sponsored by Allergan Canada through an unrestricted educational grant.

The annual Rhinoplasty Dissection Workshop was held on April 28, 2014, directed by Dr. Adamson. Faculty included Doctors Asaria, Chauhan, Ellis, Mounsey, Punthakee, Solomon, Rival and fellows Noah Sands and Thiru Siva.

Individual teaching

A number of our faculty are participating in undergraduate medical education. Doctors Conrad, Ellis, Rival, Solomon and Adamson are also having PGY 4 residents join them

in their offices for one-month rotations in facial plastic and reconstructive surgery (FPRS). The FPRS Core Lecture Series saw 23 different lectures given by 10 different members of the Division over seven days. These included Doctors Asaria, Brandt, Ellis, Gantous, Gilbert, Goldstein, Mounsey, Rival, Smith and Adamson. Mock oral examinations to prepare the PGY 5 residents for the Royal College examinations were given on March 25 by Doctors Alexander, Brandt, Sands, Smith and Adamson. Both the lecture series and mock orals were organized with the helpful guidance of Dr. Campisi, our PGME Director.

Doctors Adamson and Ellis have fellowships under the aegis of the American Academy of Facial Plastic and Reconstructive Surgery (AAFPRS). Both of their fellows, Dr. Noah Sands and Dr. Tee Sin Lee, also visited several other division members as well as academic oculoplastic, dermatologic and plastic surgeons to enhance their fellowship experience. Dr. Conrad continued his international fellowship with Dr. Thiru Siva. Dr. Sands and Dr. Lee both passed their American Board of Facial Plastic and Reconstructive Surgery examination, fulfilling one of the criteria to become board certified in our specialty. In particular, Dr. Lee is to be congratulated for achieving the highest score of all international (non-American and Canadian) candidates on the combined written and oral examination and will receive the Claus Walter Award at the AAFPRS annual meeting in Orlando, Florida in September. Dr. Sands was awarded the Krzysztof Conrad Award in Facial Plastic Surgery which was presented at Percy Ireland Day.

Members of our division who are accepting the many international surgeons who seek clinical observerships in our division include Doctors Conrad, Ellis, Smith, Rival and Adamson.

Percy Ireland Day was an extra-special day for our division this year as Dr. Jonathan Sykes, Professor of Facial Plastic and Reconstructive Surgery at the University of California, Sacramento, and President of the AAFPRS was the invited Ireland Orator. His presentation was "Treatment of Oral Clefts: A Rewarding but Humbling Experience."

Our division's Grand Rounds on March 28, 2014 were led by Dr. Adamson and joined by Doctors Conrad and Smith. An interactive panel, titled "Rhinoplasty Workshop: Getting out of Trouble, Staying out of Trouble," was presented. A 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. In particular, our division had a strong presence at the Canadian Academy of Facial Plastic and Reconstructive Surgery (CAFPRS) meeting held in Toronto October 26, 2013.



Association activities

Our division members are active in supporting and developing our specialty on many organizational fronts, within and outside the department. Doctors Ellis and Torgerson are working on College of Physicians and Surgeons of Ontario (CPSO) committees in peer review roles. Doctors Asaria, Brandt, Ellis and Mounsey are performing committee AAFPRS work and Dr. Adamson is advising leadership at the AAFPRS, the latter specifically regarding the ACGME application for the AAFPRS fellowship programs. Doctors Asaria and Mounsey were proctors for the ABFPRS examination in Washington, and Doctors Alexander and Mounsey have been appointed to the committees preparing written and oral questions for the ABFPRS. Dr. Michael Brandt was appointed to the Combined Otolaryngology Research Effort (CORE) Committee of the American Academy of Otolaryngology-Head & Neck Surgery (AAO-HNS) representing the AAFPRS Research Committee.

Dr. Ellis has just completed his term as our Canadian representative to the International Federation for Facial Plastic Surgery Societies (IFFPSS). His significant contributions were recognized at the IFFPSS meeting in New York in May. Dr. Adamson gave a keynote address on "Beauty in a Multicultural World" in the opening session at this symposium. He was also recognized at the Canadian Society of Otolaryngology – Head and Neck Surgery meeting (CSO-HNS) with a Lifetime Achievement Award. Dr. Adamson also continues as President of the International Board for Certification in Facial Plastic and Reconstructive Surgery and is a Senior Advisor to the ABFPRS.

Humanitarian activities

Dr. Adamson, in his position as President of the Face the Future™ Foundation, led two surgical missions overseas in 2014. The first comprised a team of 13 to Kigali, Rwanda in February, 2014. 33 patients were operated upon, procedures which included nasal reconstruction, cleft lip and palate, scar revisions, tumour resections, correction of congenital and traumatic maxillofacial deformities, and microvascular free flap reconstructions. The second mission with 12 team members to Ulyanovsk, Russia in June saw 66 procedures performed by an international team of facial plastic surgeons, a paediatric general surgeon, paediatric urological surgeon, paediatric orthopedic surgeon and a paediatric laryngologist. Dr. Lukas Kus, one of our PGY 4 residents, was an integral member of the team.

Future directions

Our division members are enthusiastically increasing their commitment and expanding their involvement in the academic mission of our Department as laid out in its strategic plan.

Specifically, as Director of the Core Curriculum Teaching Program, Dr. Asaria is completing a full review of the facial plastic and reconstructive surgery Core Curriculum. He will also create a new core examination associated with this. Dr. Alexander, in his role as Director of the Soft Tissue workshops, is developing a new and expanded Soft Tissue Workshop program which will increase to three sessions from the current one. He will emphasize the development of both basic and advanced skills for our residents. We will continue to deliver our PGY 4 rotations, and seek additional time if this can be made available. We will continue to encourage residents and fellows to use elective time to visit with our many community facial plastic and reconstructive surgeons to broaden their knowledge through the large variety of experiences available. Our division continues to seek the addition of two full-time academic facial plastic surgeons to the core teaching hospitals, and to obtain adjunct appointments for all others at one of our associated hospitals.

The importance of Evidence-Based Medicine (EBM) is increasingly recognized. There are more challenges in reaching level III and higher evidence in our field than in some others, but progress is being made. We will also continue to encourage research through multiple-participant studies. It is hoped that we will continue to engage residents and staff faculty in humanitarian activities through the Face the Future™ Foundation. And we hope to further increase the number of our members active in association work at all levels to further develop our specialty and imprint the reputation of our Division and department nationally and internationally.

As division head, I submit this report with appreciation for the individual and combined efforts of our division members, as well as the exceptional support of Doctors Witterick, Campisi, Chiodo, administrative staff and others. We are grateful for the achievements of the past academic year and look forward enthusiastically to build on them in the year ahead.

Hospital Reports



University Health Network

Dr. Ralph Gilbert

The Department of Otolaryngology-Head & Neck Surgery at UHN has had another outstanding year of clinical and academic accomplishments.

Dr. Ralph Gilbert has been selected as the first Gullane Family/O'Neil Family Chair of Otolaryngology and

Head and Neck Surgery, a \$3 Million Dollar Chair designed to support the academic activity of faculty within the department. Our two latest recruits have enjoyed great success. Dr. John de Almeida, is leading our H&N Robotics Program and is very active in our Reconstructive Microsurgery Program. His research focus is in Quality of Life and Outcomes as well as Guided Therapeutics through his involvement in the GTX program. Dr. David Pothier continues to develop our MIS Ear Surgery program and has become an international leader in this developing field. His research continues to focus on vestibular function and innovation in diagnosis and treatment of vestibular disorders.

Our Otology Neurotology program continues to be extremely active under Dr. John Rutka's leadership. The Hearing and Balance Centre is extremely active both clinically and academically and have just opened the Peter Munk Hearing Aid Dispensary at UHN, TGH Site.

The Head and Neck Group including Drs. Brown, de Almeida, Gullane, Gilbert, Goldstein, and Irish continue to be extremely productive both clinically and academically. All the members of the group are highly sought after speakers, with presentations in the last year at, IFHNOS, IAOO, COSM, AHNS, and North American Skull Base. All of our faculty have been invited professors at a variety of institutions around the world. The faculty is a major contributor and collaborator to the PMH Head and Neck Site Group Translational Program.

Under Dr. Irish's leadership the Guided Therapeutics Program continues to evolve in both Image Guided Surgery and Technology Innovation. Dr. Irish also holds the positions of Head of the Department of Surgical Oncology at Princess Margaret Cancer Centre and the CCO Provincial Lead for Surgical Oncology.

The department's undergraduate, postgraduate and fellowship programs are very active with strong clinical and

academic programs in Head and Neck Oncology and Neuro-otology. Currently, the department has 5 Head and Neck fellows and 3 Neuro-otology fellows.

The department continues to be indebted to our support staff, directed by our Department Manager, Jamie Chong and looks forward to another productive year.

In the news....



Dr. Jonathan Irish and Dr. Ralph Gilbert named the Best in Surgical Oncology and the Best Otolaryngologist respectively in a Toronto Life 2014 article.

For the entire story go to: <http://www.torontolife.com/informer/features/2014/03/05/best-doctors-toronto/>

Great videos as well at: <http://youtu.be/zWxM-mKHDA8> and http://youtu.be/eH1__6ElyOQ



Dr. Patrick Gullane

Interviewed on the Global National TV morning news accompanied by one of his patients Ms. Carley Allison.

Click here to view the video: <http://globalnews.ca/video/1373172/carley-allison/>

16th Annual Wharton/Elia Day with the Sullivan Lecturer, May 23, 2014 Head & Neck Oncology: A Tribute to Dr. Kian Ang



Course Faculty, PMH Auditorium



Dr. Randy Weber-Wharton Lecturer



Participants



Drs. Ralph Gilbert (centre) and Brian O'Sullivan
presenting Dr. Weber with a token of appreciation



L to R: Drs. Brian O'Sullivan, Ralph Gilbert, Randy
Weber with Mrs. Wharton, Dr. Patrick Gullane
and Lara Wharton (granddaughter)



Drs. Ian Witterick (left) and Randy Weber



16th Annual Wharton/Elia Day with the Sullivan Lecturer, May 23, 2014 Head & Neck Oncology: A Tribute to Dr. Kian Ang



Dr. Randy Weber (left) and Mrs. Wharton



L to R: Dr. Ralph Gilbert, Sophie Huang, Dr. Randy Weber, Carol O'Sullivan, Drs. Brian O'Sullivan, Sunny Ang, Patrick Gullane, Stefan Hofer, Mrs. Wharton and her granddaughter Lara Wharton



L to R: Carol O'Sullivan, Dr. Brian O'Sullivan and Sunny Ang



Dr. Eben L. Rosenthal - Sullivan Lecturer



**16th Annual Wharton/Elia Day with the Sullivan Lecturer, May 23, 2014
Head & Neck Oncology: A Tribute to Dr. Kian Ang**



Drs. Jonathan Irish (left) and Eben Rosenthal



Participants, PMH Auditorium



L to R: Drs. Fei-Fei Liu, Ian Mackenzie and Laurie Ailles



Dr. Ian Mackenzie - Elia Lecturer



Mt. Sinai Hospital

Dr. Ian Witterick

Mount Sinai Hospital (MSH) continues to be a popular rotation for residents and fellows. We had the highest mean teaching evaluation score for postgraduate education of all of the fully-affiliated teaching hospitals in the University Department in 2013-14.

Our department has 2-3 University of Toronto Otolaryngology-HNS residents on service at any given time. In addition to the usual complement of University of Toronto medical students, residents and fellows being taught in the department, we also saw a steady stream of elective medical students, family practice residents, and otolaryngology-hns residents from other programs as well as observers and visiting scholars. In addition, there were frequent off-service residents from anesthesia, ophthalmology and other departments.

In the 2013-14 academic year, there were two Head & Neck Oncology fellows who worked with Dr. Freeman (Dr. Lukasz Czerwonka from the United States - July 1 to December 31, 2013 and Dr. Jonathan Bernstein from the United Kingdom – January 1 to June 30, 2014). The clinical Rhinology and Skull Base fellow working with Drs. Witterick and Vescan was Dr. Eric Monteiro from Canada – July 1, 2013 to June 30, 2014.

Dr. Freeman is the MSH representative on the Executive Committee, Residency Program Committee, Budget Committee and the Departmental Appointments Committee. He also directs the Head & Neck Oncology Fellowship Program for the University Department and organized the Twelfth Annual Morley Binstock University of Toronto - Mount Sinai Hospital Lecturer in Head and Neck Oncology and Visiting Professor, Department of Otolaryngology – Head and Neck Surgery, University of Toronto on May 1-2 2014. The Lecturer was Dr. Mira Milas, Professor of Surgery and Director of Endocrine Surgery, Oregon Health and Science University, Portland, Oregon who facilitated a Head and Neck Ultrasound Symposium and gave a lecture titled “Innovations in the Management of Thyroid Cancer and Hereditary Thyroid Cancer Presentations”.

Dr. Allan Vescan was named as the Director of Undergraduate Medical Education (UME) for the University Department as of July 1, 2014 following a formal search process. Dr. Vescan continues to lead the organization

of UME for our department at MSH. Drs. Freeman and Witterick were on the steering committee of the highly successful 2nd World Congress on Thyroid Cancer held in Toronto in July 2013 which had an audience of over 1000 attendees from 60+ countries. Dr. Witterick continues as Chair of the University Department and Otolaryngologist-in-Chief at MSH.


Drs. Freeman, Vescan and Witterick have busy surgical practices in head & neck oncology, rhinology and anterior skull base surgery. Dr. John de Almeida is cross-appointed to MSH and is active in the OR doing head & neck oncologic and microvascular reconstructive cases. Dr. Jerry Chapnik remains active in the ambulatory clinic as do our part-time clinical faculty including Drs. Ashlin Alexander, Nitin Chauhan, Dustin Dalgorf, Jack Friedberg and Xerxes Punthakee. Drs. Kris Conrad and Bill El Masri remain active on our MSH faculty. Dr. Yvonne Chan runs the Mouth Clinic one to two times per month with Dr. Iona Leong from the Dental Department. Dr. Manish Shah and Dr. Taryn Davids run several Laryngology and Voice Disorder Clinics each month with Mr. Tim Poon, a speech language pathologist with significant expertise in voice disorders and care of the professional voice. Endocrinology Oncology Clinics are run each week by Drs. Paul Walfish, Phil Segal and Afshan Zahedi. Dr. Ranju Ralhan PhD runs an active basic science laboratory studying oral cancer and thyroid cancer (see details in the MSH research report).

All ambulatory clinics are run out of two sites on the fourth floor at MSH (Room 401 and the Joseph and Mildred Sonshine Family Centre for Head & Neck Diseases in Room 413). We have excellent audiology and vestibular testing support at MSH on the 4th floor as well as a larger clinical testing area and hearing aid dispensary on the 2nd floor at MSH. The internationally acclaimed infant hearing screening program is housed in the 2nd floor facility. Drs. Witterick and Freeman attend multidisciplinary head and neck oncology clinics at Princess Margaret and Drs. Vescan, Witterick and de Almeida actively collaborate and operate with the skull base neurosurgeons (Drs. Gentili and Zadeh) at UHN (Toronto Western Site) with open and complex endoscopic skull base resections and repairs.

An international search was held for a new full-time faculty recruit to MSH with departmental, University and hospital representation. The successful candidate was Dr. Eric Monteiro who will be finishing one additional year of clinical fellowship before a planned start date of July 1, 2015 as a full-time faculty member in our department.

Awards

Dr. Vescan received the very prestigious Teacher of the Year Award in 2013-14 as voted on by residents, fellows and faculty in the entire University Department for his outstanding



contributions to postgraduate medical education. Dr. Yvonne Chan won the Resident Advocate Award as voted upon by all residents. The endowed Chapnik, Freeman and Friedberg Scholarship Award (valued at over \$15,000 per annum) was awarded to Dr. Jennifer Wang (PGY4) for the 2013-14 academic year. The Kris Conrad Merit Award in Facial Plastic Surgery funded each year by Dr. Conrad was awarded to Dr. Noah Sands. The Resident Teacher of the Year Award funded by Dr. Witterick was awarded to Dr. Aman Grewal.

Advancement

Dr. Freeman and the MSH Foundation, along with a grateful family led by Mr. Arron Barberian, organized a wonderful dinner honoring one of Dr. Freeman's former patients, Mr. Harry Barberian. The second Harry Barberian Memorial Dinner was held on May 5, 2014 and raised approximately \$95,000 to fund research of our junior faculty and residents across the University Department.

The Albert Latner Family established the Temmy Latner/ Dynacare Chair in Head and Neck Oncology years ago held by Dr. Freeman which supports education and research projects in the department. Other significant contributors to the department include the Frederic Waks Family, the Joseph Sonshine Family, the Freeman Family and the Keith Ray Fund. Dr. Walfish is the Alex and Simona Shnaider Research Chair in Thyroid Oncology and 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. This year, the honorees were Lou & Marisa Rocca. There were over 600 in attendance at the June 4, 2014 event and many hundreds of thousands of dollars was raised for thyroid cancer care and research at MSH.

Through hospital support and a generous donation from the Arnold M. Noyek Legacy Fund, we redesigned a space in the department to house an interactive TeleHealth communications facility to bridge small conferences and rounds with other centres around the world. The Global TeleHealth Studio was officially opened on June 17, 2014. Anyone in the department is encouraged to use this state-of-the-art teleHealth facility.

We are indebted to all of our administrative and nursing staff who keep our hospital department running so efficiently. The Mount Sinai Hospital CEO, Mr. Joseph Mapa and the Vice President Medical Affairs, Dr. Maureen Shandling continue to be very supportive of our exceptional department.



The Global Telehealth Suite Dedication Ceremony MOUNT SINAI HOSPITAL, June 17, 2014

Dr. Arnold Noyek, Director of International Continuing Education at the University of Toronto's Faculty of Medicine, spearheaded the launch of the Suite with support from the Dr. Arnold M. Noyek OC Legacy Fund.

The New dedicated videoconferencing suite, located on the 4th floor, will help Mount Sinai clinicians further strengthen their international reputation in medical education.



Dean Catharine Whiteside, Dr. Ian Witterick,
Dr. Arnold Noyek (seated)



The Global Telehealth Suite Dedication Ceremony MOUNT SINAI HOSPITAL June 17, 2014



L to R: Drs. Khalid Hadi, Arnold Noyek and Ian Witterick



At podium: Kevin Goldthorp, standing
L to R: Drs. Ian Witterick and Arnold Noyek,
Dean Whiteside, and Tim Patterson





The Hospital for Sick Children

Dr. Blake Papsin

The Department of Otolaryngology-HNS at our institution continued this year in delivering superb clinical care, contribute effectively to the University department and to our hospital community. After a year of transition all our departmental members have now settled into their new roles which

have resulted in improved clinical efficiency, teaching effectiveness and research productivity. In the past year our institution has installed a new CEO and his strategies are now beginning to be implemented. This will undoubtedly require an adjustment in our department's operation which we are in the process of developing.

There have been considerable constraints placed on resources at our institution, Dr. Adrian James has led our department in response to this as our lead in resource utilization and management. We have slowly moved towards an electronic health record and have streamlined our utilization of operating room resources in order to reduce wait times for consultation and surgery. We remain one of the most efficient surgical departments in the hospital.

One of our foci this year has been modification of both our residency and fellowship training programs under an initiative spearheaded by Dr. Evan Propst as our lead on the education portfolio. With input from the department he has produced a training manual and has improved the structure of the training programs with the goal of utilizing the precious resource we have clinically to maximally train our students. We continue to train two fellows in pediatric otolaryngology and a regular cadre of otolaryngology residents at various levels of residency. We have begun the transition to a single fellow and have presented the rationale and logistics of this transition within the university department.

We remain a 6 member department with close association to a number of research labs whose work will be detailed elsewhere in this annual report. We have strong associations with other departments within the hospital and through Dr. Paolo Campisi's role as Postgraduate Program Director we have a strong association with the university department. Our departmental members continue to contribute at all levels to our academic mission and have made countless presentations in our roles as leaders of the specialty. I remain most proud of my inclusion in this department and of its role in our greater university department's vision.



St. Michael's Hospital

Dr. Jennifer Anderson

The leadership of the St Michael's Hospital Department of Otolaryngology-HNS underwent a successful five year review in the spring of 2014 resulting in the re-appointment of Dr. Jennifer Anderson as the department chief. The department is also actively recruiting for a full-time

academic otolaryngologist to add to the existing four full-time and six part-time faculty.

Clinic renovations which have been 2 years in progress are finally near completion with a conference room and some office space still under construction. Feedback from patients and staff has been very positive regarding the new clinic space with better patient flow within the nine exam rooms and state of the art endoscopic equipment.

We have been fortunate in acquiring other specialized equipment for the department in the past year. A recent donation from a grateful patient has provided the funds to purchase a third videostroboscopic unit for the Voice Clinic. The department has also received the appropriate capital and operational resources for the addition of a new endoscopic out-patient laser for laryngeal and upper airway procedures, in part funded through generous support from the St. Michael's Hospital Foundation.

The multidisciplinary Voice Clinic staff includes our invaluable speech pathologists Marta DeLuca and Gwen Merrick who provide outpatient voice therapy for more than 1,000 patients a year and participate in various research projects as well.

The Voice Clinic also continues to participate in cross disciplinary education not only to our otolaryngology trainees but also speech pathology and faculty of music postgraduate students.

The long awaited new acoustic rhinomanometer has now been installed into the nasal function/rhinology lab. Dr. John Lee is the director of the new laboratory and additional nasal function assessments including olfactory testing is anticipated by the Fall of 2014.

In education, three of our staff hold leadership positions in undergraduate education. Dr. Molly Zirkle, as the Fitzgerald Academy Director, oversees all undergraduate trainees at St.

Michael's Hospital, and is also supervising a novel medical student program on longitudinal education in clerkship. The pilot program (LIC) is starting this summer with a small number of Fitzgerald Academy students in the upcoming academic year. Dr. John Lee is the Assistant Director of Undergraduate Education looking after the Post-Clerkship portfolio.

Dr. Al Chiodo is stepping down after two incredibly dedicated years as the Undergraduate Director for the department at the University of Toronto. We would like to express our thanks to Dr. Chiodo for his exceptional contributions to the department. Dr. Chiodo will become the new Chief of Otolaryngology at Toronto East General Hospital in July 2014.

St. Michael's Hospital is in the midst of a major \$150M fundraising campaign called "St. Michael's 3.0" which is to raise funds for a new patient care tower on the corner of Queen and Victoria. This tower will house new operating rooms, critical units and several in-patient clinical care areas. The campaign has to date been incredibly successful and is on target for successful completion by 2016.



Sunnybrook Health Sciences Centre

Dr. Joseph Chen

1. Clinical activities:
Number of surgeries: 1096 (668 same day and 428 in patient). Number of Otolaryngology-HNS clinic visits: 12,498. There is a concerted effort to maintain or increase

tertiary/quaternary activities and to divest primary/secondary activities to the community. We have been successful in doing so over an extended period of time with the following partner institutions: WCH (endocrine), Trillium Health Partners (otology), and more recently with TEGH (endocrine).

In the two foci of this department, we have exceeded our funded volume. Wait time in cancer is on target, while we continue to struggle a bit with long wait times for cochlear implants and otological procedures.

2. Sunnybrook maintains the Provincial coordinator position and has helped secure and increase CI base funding to all centers. There is now an annual reporting process in place with the TC-LHIN to meet guidelines and standards particularly in the context of accountability and sustainability. A new proposal for managing wait times and right sizing of programs is being developed to complete in early fall.

3. Promotions & awards:

a) Dr. Enepekides has been appointed to a 5-year term as the Chief of Surgical Oncology at the Odette Cancer Centre and the regional coordinator at CCO.

b) Dr. Higgins is selected as the Head & Neck Site coordinator at the Odette Cancer Centre. He is also a new member of the Board of Directors at the Sunnybrook Foundation.

c) Both Drs. Enepekides and Higgins were successfully promoted to the rank of Associate Professor; Congratulations.

4. Research laboratories & personnel:

a) Sonja Koerner, Inner Ear Laboratory: (personnel 6 FTE)

b) CI outcomes and electrophysiology Lab (1.5 FTE)

c) HN outcomes (0.5 FTE)

** research activities reported separately.

5. Our ambulatory clinic has transitioned fully into an electronic medical records system (EMR) as per OntarioMD mandate, being one of the first departments in our institution to do so. We have selected the OSCAR software due to its intrinsic flexibility and stability. It is now in full flight as all clinicians have converted to eCharting all encounters and meeting OntarioMD's criteria for the next funding step. eForms and database forms have been developed to convert all research and clinical activities onto the same system. A patient self-registration kiosk is being developed to facilitate this first step.

6. Fundraising for the Inner Ear initiative continues, surpassing the halfway mark of the \$10M target.



Toronto East General Hospital

Dr. Oakley Smith

This was an exciting year for the Department of Otolaryngology-Head and Neck Surgery at Toronto East General. Dr. Smith completed his term as our chief of department. He successfully guided and led our department over the last 10 years. His contributions were significant

and much appreciated. Dr. Al Chiodo was appointed as his successor this summer and looks forward to building on his excellent work. This year we welcomed Dr. Brad Hubbard to our Department. Dr. Hubbard completed the Munk Fellowship in Otology/Neurotology at the University Health Network with Dr. John Rutka. He will help build a new otology program at TEGH.



In addition to our new otology program, we have also established a thyroid program. The foundation of the program is the new multidisciplinary thyroid clinic at the hospital which brings together the departments of Otolaryngology-Head and Neck Surgery, Endocrinology, Diagnostic Imaging and Pathology. Dr. Smith has created a program in facial plastic and reconstructive surgery over the last 3 years. This has afforded the resident with first-hand experience in this area of surgery. Our rhinology program was also fortified with the addition of another state-of-the art navigation system.

From an academic perspective, our department's main activities have been in educational excellence at all levels. This was recognized this year with the appointment of Dr. Hubbard to the rank of Lecturer and Dr. Chiodo's promotion to Associate Professor. From an undergraduate perspective, Dr. Chiodo served as the Director of Undergraduate Medical Education and stepped down from this role to assume the chief position. Dr. Hubbard was appointed to the position of Assistant Director of Undergraduate Medical Education for the University Department. His role will be in leading the pre-clerkship programs at the University. For undergraduate clerkship teaching, our hospital department received the highest course evaluation scores among all the undergraduate teaching hospitals in the city. Furthermore, we have actively participated in sponsorship of numerous Year II longitudinal elective experiences and Year IV clerkship elective experiences. We have had a major role in the DOCH II (Determinants of Community Health Year II) course at our Hospital winning the Determinants of Community Health II Research Supervisor Award. From a postgraduate education perspective, the resident rotation at TEGH has been highly coveted with residents experiencing a community general OTOHNS experience with special focus on rhinology (Dr. Chiodo), endocrine surgery (Dr. El Masri), pediatrics, otology (new with Dr. Hubbard) and facial plastic surgery (Dr. Smith). Our hospital department received the highest rotation effectiveness score in the residency program. Moreover, the highest teacher effectiveness score was achieved by one of our department faculty. At a continuing medical education level, our department presented University wide grand rounds 4 times last year with focus on medical education and facial plastic surgery. Numerous guest lectures and presentations were delivered in this academic year by our department faculty at the local, national and international levels. Drs. Smith and Chiodo were course co-directors with Dr. Yvonne Chan for the Annual Otolaryngology-Head and Neck Surgery Update. In addition, Dr. Kevin Fung (from Western University) and Dr. Chiodo directed the Canadian Conference on Undergraduate Medical Education in Otolaryngology-Head and Neck Surgery in October of 2013.

From a research perspective, we were able to complete peer reviewed publications in medical education (otoscopy simulation), community health and quality initiatives regarding patient safety. These 3 areas of research will continue to be expanded with presently 6 projects to be completed over the next academic year.



St. Joseph's Health Centre

Dr. Rick Fox

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. Rick Fox, Andres Gantous, Robert Josephson, Jack Kolenda and Ian Witterick. We are pleased to welcome Dr. Dustin Dalgorf as a new member of our staff, having just returned from a 1-year fellowship in Rhinology and Skull-Base Surgery in Australia. All members of the faculty hold academic appointments at the University of Toronto. Dr. Witterick continues to serve as Chairman, Department of Otolaryngology-Head & Neck Surgery, University of Toronto.

SJHC has maintained its tradition as a leader in the surgical and medical management of sinus and nasal disease. There are frequent visits 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.

Construction is underway for our new Otolaryngology ambulatory clinic. 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 a 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. SJHC has recently introduced e-care records and charting.



North York General Hospital

Dr. Everton Gooden

The Division of Otolaryngology-Head & Neck Surgery at NYGH comprises 5 members (Drs. Goldfarb, Gooden, Kandasamy, Shah, and Smitheringale). The division has undergone significant change this past year with

the amalgamation of our clinical office and hospital clinic into one location. This new centre will continue to provide comprehensive care including state-of-the-art pediatric care. The centre provides services for the Infant Hearing Program (IHP) and is staffed by 4 full-time Audiologists in a 4,000 Sq ft state-of-the-art facility.

We continue to welcome clinical clerks from the Peters-Boyd Academy. Residents from Family Medicine and Otolaryngology-Head & Neck Surgery have continued elective rotations within our division and we continue to provide ASCM teaching. Our division has always scored very well in the student evaluations.

Our division has continued its involvement with the NYGH leadership. Dr. Everton Gooden was appointed Chair of the Medical Advisory Committee/Chief of Staff on June 16, 2014. The hospital continues to balance its budget for the 9th consecutive year despite increased volumes, while leading the province in wait time targets.

Our division is strong and well respected internally and externally. I would like to thank Drs. Goldfarb, Kandasamy, Shah and Smitheringale for their hard work, commitment and collaboration in strengthening our division and moving it forward.

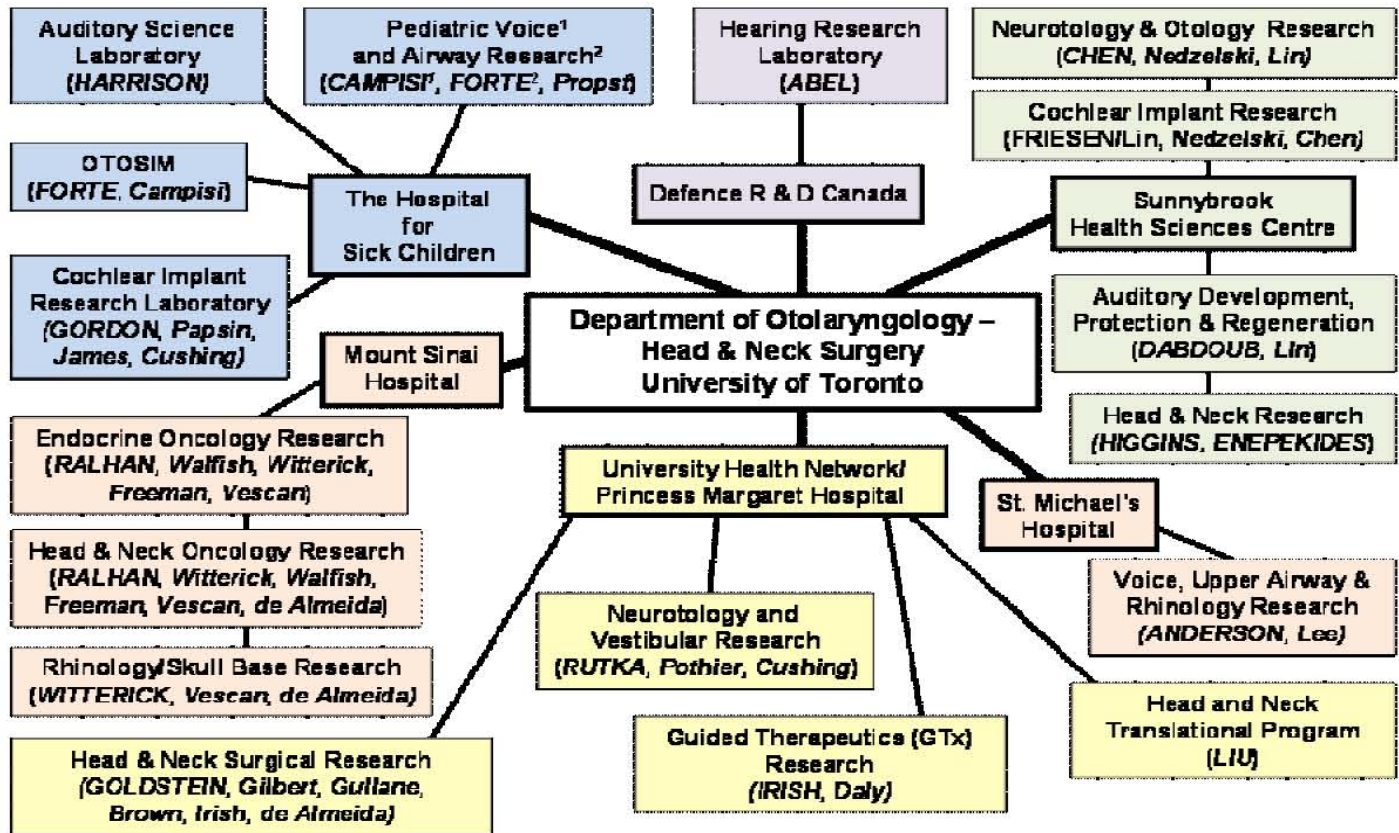
The Credit Valley Hospital, The Mississauga Hospital and Queensway Health Centre

Dr. Jeffrey Mendelsohn

No report submitted.

Departmental Research Teams

Department of Otolaryngology – HNS, University of Toronto Research Teams



THE HOSPITAL FOR SICK CHILDREN

Both the Airway Research Lab and OtoSim™ Research Lab continue to be very active and essential components within our department. Our Labs are aligned with the strategic vision and mission statements of both the University and hospital.

We have had an extraordinary and productive year. Our success to-date can be attributed directly to the hard work and dedication of both Paolo Campisi and Evan Propst, as well as our many collaborations both internal and external to SickKids and the university. Special mention to the teams of researchers and CIGITI engineers at SickKids. Our involvement of both residents and fellows in the Labs has been fun, rewarding and mutually beneficial.

Dr. Campisi is indebted and blessed to be associated with such professionals. We have great synergy, infectious enthusiasm and momentum which will take us successfully into the future.

A partial list of the current work being undertaken in the labs and work published this past academic year is outlined below.

Airway Research Lab: Paolo Campisi, Vito Forte, Evan Propst

The main areas of focus include:

1. Study of blood supply of normal trachea, after injury, and revascularization following laryngotracheal reconstruction using corrosion casting
2. Tracheal transplantation
3. Developing models for educating trainees in airway surgery
 - a. Airway reconstruction surgical dissection manual
 - b. Polymer model for tracheotomy

4. Prevention of endotracheal tube cuff injury and prevention of aspiration
5. Novel ways to repair TEF and laryngeal clefts
 - a. Using clips, novel surgical techniques
 - b. Working with CIGITI to miniaturize robotic devices to perform endoscopically
6. Revisiting imaging techniques to provide new types of information
 - a. Ultrasound for better differentiation of neck cysts
 - b. CT for learning about volumetric analysis of the subglottis
7. Genetics of airway and head and neck disorders
 - a. Whole genome and exome sequencing
8. Procedural specific robotic assisted surgery
9. The role of and specific use of HiFU in the treatment of thyroid disorders in children

Grants

Tracheal Transplantation in a Porcine Model (tracheal stenosis - tissue engineering). Harry Barberian Scholarship Fund. Dept of Otolaryngology-Head & Neck Surgery. \$ 5,000. Principal Investigator: E. Propst, MD; Co-Investigator: Forte V. *Wash tracheal constructs free of HLA and DNA and transplant into rectus and omentum to regain blood supply. Repopulate with mucosal and stem cells and incorporate into resected tracheal section.*

Development and Testing of a Realistic Model for Teaching Tracheotomy to Trainees. Hospital for Sick Children Perioperative Services. Perioperative Services Innovation Grant. Principal Investigator: Propst E; Co-Investigators: Yip J, Forte V, Campisi P, Looi T. \$9,500. *Development of a high fidelity plastic polymer tracheotomy task trainer. Trainees will perform tracheotomy on a live animal and then half of trainees will practice on the trainer. Trainees will be evaluated thereafter on their performance on live animals at the end of training and also for retention several months later.*

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. Principal Investigator: Propst E. Co-Investigators: Forte V, Campisi P, Harrison RV, Kus L (Resident). \$10,000. *Injection of plastic polymer into animal vasculature to create cast of vessels/ blood supply under various experimental models.*

Development of a Novel Sensor to Detect Intravenous Extravasation and Prevent Injury. Hospital for Sick Children Perioperative Services. Perioperative Services Innovation Grant. Principal Investigator: Propst E. Collaborators: Carillo B, Forte V. \$10,000. *Development of a novel sensor to detect intravenous extravasation and prevent injury.*

Journal Articles

1. 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. *Laryngoscope*. 2014 January.
2. Kus L, Sklar MC, Negandhi J, Estrada M, Eskander A, Harrison RV, Campisi P, Forte V, Propst EJ. Corrosion Casting of the Subglottis Following Endotracheal Tube Injury: A pilot study in Yorkshire piglets. *J Otolaryngol Head Neck Surg*. 2013.
3. Kanotra SP, Propst EJ, Campisi P, Fisher JA, Forte V. Quantitative Assessment of Pulmonary Aspiration: A novel porcine model. *Int J Pediatr Otorhinolaryngol*. 2013 December 1;77(12):2014-8.
4. Kanotra SP, Propst EJ, Luginbuehl I, Campisi P, Fisher JA, Forte V. Assessment of Aspiration Risk from Dynamic Modulation of Endotracheal Tube Cuff Pressure. *Laryngoscope*. 2013 October.
5. Osborn A, Baud D, MacArthur A, Propst EJ, Forte V, Blaser S, Windrim R, Seaward G, Keunen J, Shah P, Ryan G, Campisi P. Multidisciplinary Perinatal Management of the Compromised Airway on Placental Support: Lessons learned. *Prenatal Diagnosis*. 2013 July 18:1-8.
6. Osborn A, Chami R, Propst EJ, Luginbuehl I, Taylor G, Fisher JA, Forte V. A Simple Mechanical Device Reduces Subglottic Injury in Ventilated Animals. *Laryngoscope*. 2013. Epub ahead of print.
7. Propst EJ, Ling S, Daneman A, Langer J. Endoscopic Clip for Closure of Persistent Tracheoesophageal Fistula in an Infant. *Laryngoscope*. 2014. In Press.
8. Shinghal T, Low A, Russel L, Wong A, Shah M, Propst EJ, Forte V, Merdad M, Grewal A, Eskander A, Campisi P. High-Speed Video Stroboscopy in Children: Which sheds more light? 2013. In Press.
9. Propst EJ, Ida JB, Rutter MJ. Posterior Repair of Long Type IV Laryngotracheoesophageal Cleft via Tracheal Separation Through a Cervical Approach. *Laryngoscope*. 2013. 23(3):801-804.

In Preparation

1. Soma M, Propst EJ, Cotton RT, Rutter MJ. Slide Tracheoplasty for Obliteration of Tracheoesophageal Fistulae.
2. Hussein M, Siu J, Campisi P, Forte V, Propst EJ. Demographics of Choanal Atresia in Canada: A population based study. 2013.



3. Peer S, Vilchez LD, Greer ML, Highmore K, Campisi P, Forte V, Propst EJ. Volumetric Analysis of the Subglottis Using Computed Tomography Imaging. 2013.

Books

1. Propst EJ, Tirado Y, Abdulkader F, Estrada M, Campisi P, Forte V. Airway Reconstruction Surgical Dissection Manual.

4A Mechatronics Project completion:

Robotically Enhanced Choanal Atresia Treatment (RECAT), Engineering University of Waterloo, Faculty of Mechanical Engineering, An A, Chan D, Shen M, Wu J, Supervisors: Dr. Vito Forte, Brian Carrillo PhD - see video on <http://recat.wordpress.com/>

OtoSim™ Lab

Paolo Campisi, Vito Forte

OtoSim™ continues to gain momentum with global outreach and educational impact both in ear and eye training at various levels from nursing to postgraduate specialty. Continued advances in product development, both hardware and software is ongoing. A partial list of current R&D includes: a variety of external ears, myringotomy and tube simulation, HD image projection for the eye, OtoSim2, OphthoSim2, self-instructive/assessment modules, Instructor Customization Software, Classroom Teaching and Assessment software, dashboard cloud development for multicenter teaching and for comparative assessment of outcomes. Collaborative research is ongoing for assessment of outcomes at a variety of levels of training and across multiple disciplines. We have now partnered with the Division of Neurology at SickKids and the Department of Ophthalmology-Vision Sciences at the University of Toronto to study effectiveness of our eye simulator OphthoSim™. We continue to explore and collaborate with other simulator developers as well, including the MRC funded virtual brain and sinus surgical simulators. The future looks bright thanks to the efforts of a great team and the historic and ongoing support of the University Department Chairs Drs. Gullane and Witterick respectively. Some work done this past year includes:

Undergraduate Teaching:

- Instructor, Mechanisms, Manifestations and Management of Disease (MMMD) course, OtoSim™ simulation event. Faculty of Medicine, University of Toronto, April 2014.
- Instructor, Clinical Clerk OtoSim™ Sessions, Pediatric Otolaryngology, Faculty of Medicine, University of Toronto. 9 sessions over 2013-2014.

Awards, Grants and Publications:

- Awarded first prize for best research presentation by a PGY-3 Resident, 2014 Percy Ireland Annual Academic Day, Department of Otolaryngology, University of Toronto. Oyewumi D, Brandt M, Forte V, Campisi P. "Objective Evaluation of Otoscopy Skills in Primary Care Trainees." Paper also submitted for publication.
- Davies J, Djelic L, Campisi P, Forte V, Chiodo A. Otoscopy Simulation Training in a Classroom Setting: A novel approach to teaching otoscopy to medical students. In Press. Laryngoscope. Accepted February 2014.
- Mary Jo Haddad Innovation Fund (2014)
Project title: Ophthalmoscopy Simulation (OphthoSim) for Training and Objective Evaluation of Fundoscopic Skills Amongst Residents: An open randomized control trial
Principal Investigator: A. Yeh
Co-Investigators: E. Kouzmitcheva, P. Campisi, V. Forte, A. Atkinson, A. Ali
- Toronto East General Hospital Educational Scholarship and Research Grant (2013-2014)
Project Title: Seminar-Based Objective Evaluation of Otoscopy Skills Amongst Undergraduate Medical Students.
Principal Investigator: A. Chiodo
Co-Investigators: D. Oyewumi, P. Campisi, V. Forte

Paediatric Voice Lab

Paolo Campisi, Vito Forte, Evan Propst

The Centre for Pediatric Voice and Laryngeal Function has been actively involved in multi-centre and local research initiatives during the 2013-14 academic year. The centre is collaborating with Dr. Chris Hartnick from the Massachusetts Eye and Ear Infirmary and Dr. Joseph Kerschner from the Medical College of Wisconsin on an NIH funded, multi-centre randomized control trial of voice therapy on children with vocal fold nodules. This collaborative group has applied for a second NIH grant to study children with vocal fold dysfunction.

The centre has recently completed two resident research projects with Tulika Shingal and Tony Eskander. Tulika studied the utility of high speed video laryngeal imaging in adolescent patients. Her work has been accepted for poster presentation at the 2014 American Academy of Otolaryngology meeting. Tony collaborated with the Cochlear Implant Program to compare the motor speech patterns of cochlear implant users to normal hearing children. Tony presented his poster at the 2013 American Academy of Otolaryngology meeting.

The Centre has several ongoing research projects related to recurrent respiratory papillomatosis. Specifically, the impact of HPV subtype on clinical course and the 5 year update of the national pediatric database are projects that are near completion.

Completion of these projects would not have been possible without the dedicated efforts of our core and research Speech-Language Pathologists: Jennifer Allegro, Michelle Nella and Laurie Russell. A special thank you also to our Research Coordinator, Kim Simpson.

Cochlear Implant Research Laboratory **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 did include our Research Engineer, Alex Andrews who left the lab in February 2014 to pursue his own programming ventures. Two graduate students, Parvaneh Abbasalipour and Morrison Steel successfully defended their MSc research theses during this past year.

Parvaneh examined bilateral auditory function in adolescents who receive a second cochlear implant after many years of unilateral cochlear implant use. She found that they make essentially immediate use of interaural intensity cues and that electrophysiological measures can be helpful to establish intensities which are “balanced” between the two implants. She also aimed to establish symmetric abilities between the experienced ear and the newly implanted ear by having these participants voluntarily remove their first implant daily. This “patching” therapy was designed to strengthen the naïve side but was poorly tolerated likely due to impacts on quality of life even in the short term.

Morrison Steel examined differences in how children who use bilateral cochlear implants perceive binaural cues compared to their peers with normal hearing. Although we had shown that bilateral implant users develop perception of binaural cues (work done by graduate students, Claire Salloum, Michael Deighton, Parvaneh Abbasalipour, and Otolaryngology resident, Brad Hubbard, and others), we

suspected that this perception was different from normal. Morrison found that children using bilateral implants do not consistently perceive a fused image from their bilateral cochlear implants and that this increases their reaction time. Abnormally increased pupillary dilation in this group during the listening task also indicated that this was a more effortful task for them.

Work from these two recent theses has been recognized with awards for both students including the best poster award in the Collaborative Program in Neuroscience at the University of Toronto for Morrison Steel, and student awards for outstanding abstract submissions for both students at international meetings (2 for Parvaneh and 2 for Morrison). Publications are in progress for submission.

Salima Jiwani, who is in the final stages of her PhD program is assessing the long-term effects of unilateral cochlear implant use on the maturing auditory cortex. In collaboration with Dr. Sam Doesburg, we are using 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 is showing 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 been awarded with 12 student prizes and competitive funding (3 in the last reporting year). She has had some of this work published and is working on final analyses and submissions for the rest.

Melissa Polonenko is a clinical audiologist who joined the laboratory as an MSc student 2 years ago. She successfully transferred to the PhD program in IMS in November 2013 and is studying the use of bimodal hearing (acoustic hearing in one ear and electrical hearing through a cochlear implant in the other). This year she has been very productive, having received 2 awards for posters submitted to international conferences. She also recently received the Raymond H.W. Ng PhD Award, Department of Otolaryngology-Head & Neck Surgery, University of Toronto.

Nikolaus Wolter is due to defend his MSc thesis in early August 2014. His work on vestibular and balance in children using cochlear implants revealed deficits 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). Nik has been recognized for his work with several student awards (6 in the past year), 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.

Over this past academic year, we have also enjoyed working with residents and fellows: Shazia Peer, Luis Vilchez Madrigal, Gordon Tsang, and Tony Eskander, and with our summer students: Brigid Allemang, Alexander Papaioannou, and Patricia Ungureanu. 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: 10 publications came out or are in the press and 2 book chapters have been submitted. Between this summer and last, we collectively presented more than a dozen abstracts at international meetings and gave more than two dozen invited talks internationally.

Auditory Science Laboratory Robert V. Harrison

The Auditory Science Laboratory within the Department of Otolaryngology-HNS at The Hospital for Sick Children has been part of the department since 1984. We have mastered many novel research techniques to explore the structure and function of the normal and pathological auditory system.

Our methods include various 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 continue to do electron microscopy and various histological evaluations of the inner ear, and we also probe neural activity patterns in the auditory brain with immuno-labeling techniques. In the past year we have also carried out corrosion cast studies of vascular structures, particularly the blood supply to the cochlea. See below a corrosion cast image of the stria blood supply to the cochlea in a mouse model.



This past year has been very busy and productive. Jaina Negandhi (Project Manager) has been exploring some important issues glutamate excitotoxicity as a result of cochlear damage. With Adrian James we have completed studies on the age related aspects of otoacoustic emission suppression. Over the past year, Lisa D'Alessandro has continued her PhD thesis work and is almost finished! She has been interested in patterns of neural activity in the auditory mid-brain, and has been investigating the developmental plasticity of the auditory midbrain. Another PhD candidate, Mattia Carraro continues his research work investigating some important aspects of the blood supply to the cochlea.

This past year, through the funding of a CIHR team grant, we have had some very fruitful collaborations with other research teams including that of Dr. Lu-Yang Wang at SickKids and Dr. Vincent Lin at Sunnybrook Health Sciences Centre. Other collaborators in the lab over the past year have been residents Nik Wolter and Lukas Kus, and summer students Adrienne Harrison and Emily Papsin. In addition to basic laboratory based research we have active collaboration with the Cochlear Implant Research Lab, directed by Blake Papsin and Karen Gordon, and also the Centre for Voice and Laryngeal Function, directed by Paolo Campisi.

The Auditory Science Laboratory has had a productive year thanks to all the hard work of our trainees and staff.

UNIVERSITY HEALTH NETWORK

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

The principles underpinning the UHN-TECHNA GTx Program are to integrate modern technologies such as imaging and robotics with therapy. This requires development of novel nanoparticles, navigation and tracking techniques that opens the way for precise resection of tumours, while sparing healthy tissues. In this program, surgeons use “near real-time” “on the table” three-dimensional images of tumours to provide valuable information as the therapy progresses, leading to more successful interventions and fewer side effects.

Multi-Disciplinary Team

A multi-disciplinary team of clinician-scientists, Medical Biophysicist, Bimolecular Scientists, surgical fellows and residents, engineers, physicists, and computer programmers translates innovative technology from the ‘bench top’ (GTx-Lab, MaRS) to ‘bedside’ (GTx-OR, Toronto General Hospital).

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

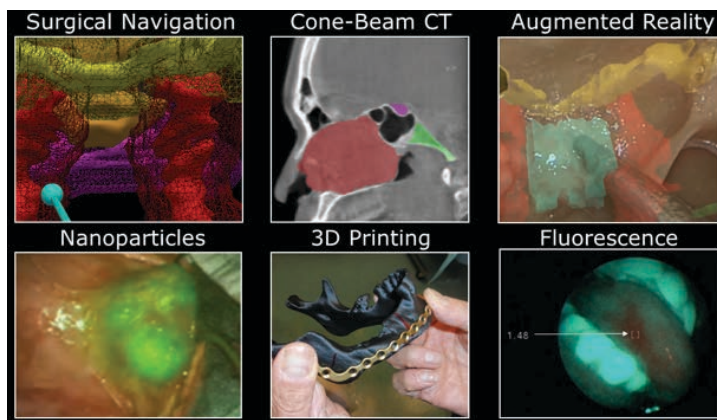


Translational Research Projects

Surgical projects revolve around the clinical translation of novel guidance technologies:

Current projects include use of several animal models (the white new Zealand rabbit with VX2 buccal mucosa SCC, Nude, SCID-beige and SCID mice with different tumors induction) to investigate:

- 1) development and implementation of novel therapeutics (nanoparticle photothermal ablation) and development and implementation of novel imaging agents (nanoparticle photoacoustic imaging)
- 2) use of novel imaging agents (nanoparticle contrast agents allowing navigation and for the development of novel applications including tumor detection and sentinel lymph node biopsy)
- 3) use of novel photonic imaging for guidance
- 4) potential translational clinical trials for "first in human" use of therapeutic and imaging agents for real time image guided surgery.
- 5) use of novel nanotechnology and chemical biology for circulating tumour cell detection



Head and Neck Translational Program Fei-Fei Liu

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

- 1) to understand HNC biology at the molecular, cellular, and tumour levels;
- 2) to understand 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 biology, develop novel bio-markers, and devise novel therapeutic approaches in HNC management.

Our research team comprise of over 20 clinicians, scientists and research staff who collectively work on several projects. Herein is a summary of some of the activities within our program over the past year.

Dr. Laurie Ailles' group has been studying tumour initiating cells (TICs). The goal is to quantify a number of TIC-related attributes to determine if any can provide a clinically useful biomarker which can determine which patients might benefit from more aggressive therapies, from those who could be spared the toxicities of triple-modality therapy (surgery, chemotherapy, and radiation). The preliminary data are very promising; when validated, it could transform clinical care by personalizing HNC therapy based on the number of TICs in a patient's tumour at the time of diagnosis.

Dr. Geoffrey Liu's group has identified novel DNA sequence variations associated with risk and outcome in HNC patients, which are currently being characterized in further detail (Carcinogenesis 34:1012-1017, 2013). The two biological response modifier polymorphisms sit in a genetic region that controls multiple important cancer pathways, and have recently been shown to be associated with increased risks in HNC. In addition, the two polymorphisms are highly correlated with survival after diagnosis.

Dr. Thomas Kislinger's group continue their work on identifying circulating and proteomics biomarkers that may help in the early detection of HNC, and also provide fundamental insight into disease mechanisms.

Dr. Brian O'Sullivan's group has conducted key studies that may impact clinical practice. His published landmark paper in 2013, whereby using clinical features alone, he was able to categorize risk groups in HPV-positive oropharyngeal cancer, thereby identifying potential candidates for de-escalation strategies (J Clin Oncol 31:543, 2013). This paper has been headlined in numerous research alerts, and was



accompanied by an Editorial in J Clin Oncol. Furthermore, these data are already influencing the design of future clinical trials around the world by groups including the RTOG, TROG (Trans-Tasman Radiation Oncology Group), and our own Canadian NCIC-CTG.

Dr. Fei-Fei Liu's group continue to evaluate the roles of micro-RNAs (miRNAs) in HNC, and have determined several novel molecular pathways which can promote cancer cell survival, including the identification of the miR-375~metadherin axis for HNC progression. This axis is a significant prognosticator for distant metastasis, particularly in nasopharynx carcinoma. These findings provide both novel biological insights and potential therapeutic strategies to improve cure for HNC patients. As well, previous work from Dr. Liu's group using high-throughput screening (HTS) technologies identified several novel targets, which can potentially enhance response of cancer cells to radiotherapy and chemotherapy, with minimal toxic effects on normal cells. One lead candidate was a gene involved in iron metabolism, UROD (uroporphyrinogen decarboxylase), which can enhance radiation and chemotherapy sensitivity in multiple cancer types. UROD was approved for a US patent No. 8,637,481 in January 2014. A HTS for a UROD inhibitor was developed and used to evaluate a large number of candidate drugs. Over the past year, one of the candidates was synthesized in collaboration with investigators from the University of Texas at Austin, and characterized in different pre-clinical models (PLoS One 9(2):e89889, 2014).

Neurotology and Vestibular Research **John Rutka, David Pothier, Sharon Cushing** **& Phil Gerretsen**

The vestibular group undertakes clinical and translational research in partnership with the Hospital for Sick Children and other leaders in vestibular research around the world. The Centre for Advanced Hearing and Balance works alongside the Hertz Multidisciplinary Neurotology Unit to undertake clinical data collection and undertake studies in the basic science of vestibular physiology.

Our themes are as follows: i) Investigation into the velocity and acceleration-specific measurement of function of the vestibular system; ii) Clinical research into the role of psychological factors in chronic balance disorders; iii) Neural plasticity and biofeedback – this is a key area of work with SKH; iv) Worldwide collaboration in the measurement of sway from multi-level sensors. Collaborating institutions include Johns Hopkins, the University of Verona, Vanderbilt University, Harvard and UBC; v) Assessment and treatment of ototoxicity.

We have gained recognition as a world centre of excellence and innovation in the area of vestibular research and have attracted clinical fellows and observers from five continents

to work with us and observe our practice and participate in our research within the last year.

Our colleagues in their roles in vestibular rehabilitation and vestibular nursing have delivered research papers to the Bárány Society Meeting in Buenos Aires, Argentina this year, alongside work undertaken both at the SKH and TGH. The work demonstrated new therapeutic options for conditions previously thought to be resistant to treatment: bilateral vestibular loss, both in adult populations and in children with cochlear implants, and cerebellar ataxia with bilateral vestibulopathy (CABV).

Working with our colleagues in Infectious Diseases at Toronto General Hospital and Sunnybrook Health Sciences Centre, we have implemented a pilot program to monitor patients on long-term gentamicin treatment for vestibulotoxicity; this is a world-first and has delivered a number of important findings that were previously unknown. Of the patients monitored using our BalanceWorkshop and cDVA devices (both devices were developed in-house) we have shown that almost a third of patients develop clinically significant vestibulotoxicity. Those who developed toxicity could be identified at an early stage and, with appropriate management, regained their vestibular function.

In the area of endoscopic ear surgery (EES), the University of Toronto has established itself as a leader in the field. Our faculty has been invited to lecture or act as senior faculty on EES courses in Colombia, Japan, Italy, Turkey, the Philippines, South Africa, the United Arab Emirates, the USA, Australia and the UK over the past year.

Along with a number of visiting professorships, expert panels and invited lectures over the last year, members of the group are in the process of setting up national and international courses in advanced vestibular assessment, advanced vestibular rehabilitation and in the management of complex neurotological cases. We are developing innovative education systems alongside these initiatives and are planning to secure intellectual property in a number of related areas.

Head and Neck Surgical Research **David Goldstein, Ralph Gilbert, Patrick Gullane, Dale Brown, Jonathan Irish and John de Almeida**

Research at the University Health Network takes place across the three sites, with the majority of research occurring between the Toronto General Hospital and Princess Margaret Cancer Center. The two major research programs are the head and neck oncology program and the otology/neurotology program. The surgeon investigators for the head and neck oncology program have affiliations with both the Ontario Cancer Institute and the Toronto General Research Institute. The research

program is a multidisciplinary program with local, national and international collaborations. The research program has 4 major themes: 1. Guided therapeutics program ; 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.

Current projects to highlight include the assessment of outcomes using the tip of scapula flap for both mandibular and maxillary reconstruction, the development of an oral cavity tissue microarray and clinical outcomes database which is being used to assess a number of biomarkers, a prospective evaluation of functional outcomes of elderly patients undergoing head and neck surgery, development and assessment of an online head and neck surgical oncology complication tool and a novel grading scale for peri-operative complications, cadaveric studies on endoscopic approaches to the skull base, and understanding the role of the human papilloma virus in the unknown primary cancer. Through the Institute of Clinical and Evaluative Sciences a surgical atlas of head and neck surgery in the province of Ontario has been developed along with an assessment of volume outcomes in head and neck surgery.

During the academic year there were 47 peer reviewed publications and 13 book chapters were published or accepted for publication. Members of the research program were either principal investigators or co-investigators on peer-reviewed grants totaling \$3.1 million and non-peer reviewed grants totaling \$15000.

MOUNT SINAI HOSPITAL

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

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

These include:

- Sinus/skull base simulator development and validation
- Surgical navigation studies with the GTx laboratory (inattention blindness, augmented reality, localized intraoperative virtual endoscopy in surgical guidance)
- Validation of the Skull Base Inventory quality-of life instrument
- Comparison of endoscopic endonasal and bifrontal craniotomy approaches for olfactory groove meningiomas
- 10-year outcome study of non-SCC sinonasal malignancy
- Diet modification in patients with chronic rhinosinusitis
- Several ongoing randomized clinical trials (postoperative rinses, medications, stents)

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

Our head and neck oncology research group has laid foremost thrust on understanding the molecular basis of development of oral pre-cancer and cancer with the goal of identifying biomarkers that can improve diagnosis and prognosis of the disease and discover new drugs for personalized patient care. The four major themes are:

1. Proteomics based biomarkers for predicting oral pre-malignant lesions at high risk of cancer development and prognostic signatures for stratifying oral cancer patients at risk of disease recurrence.
2. Development of novel anticancer agents for molecular therapeutics based on high-throughput chemical libraries screens using indigenously established in vitro and in vivo experimental models of oral cancer.
3. Preclinical validation of novel potential therapeutic molecular targets for head and neck cancer identified using tissue proteomics.
4. Unraveling molecular mechanisms involved in malignant transformation of oral epithelial dysplasia using indigenously established in vitro and in vivo experimental models.

During the past year, our laboratory successfully verified the potential of protein biomarkers for predicting 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. A protein expression based risk model was also developed for prediction of recurrence risk in oral cancer patients. External validation of this prognostic signature led to a panel of biomarkers which can be used to identify aggressive cancer cases and predict poor prognosis in these patients as a step forward towards personalized medicine. We achieved



immortalization and malignant transformation of oral epithelial dysplastic cells using tobacco carcinogens. These experimental models provide a unique opportunity for deciphering the molecular mechanisms underlying malignant transformation of oral dysplasia. This research has led to identification of novel links between oral pre-malignancy and cancer. In search of novel molecular targeted therapy for oral cancer patients, we screened libraries of small molecule inhibitors for their therapeutic potential using high throughput screening. Two novel small molecule inhibitors have been identified that are currently under investigation for their therapeutic efficacy and mechanism of action for drug development.

Endocrine Oncology Research

Jeremy Freeman, Allan Vescan, Ian Witterick and Paul Walfish

Ongoing basic science studies (Ralhan, Walfish)
Major thrust is being laid on development of clinically integrated diagnostics for thyroid cancer.
The two main research themes are:

1. Development of proteomics based biomarkers for stratification of aggressive thyroid cancers and molecular signature for prediction of benign and malignant thyroid tumors in needle biopsy to improve surgical selection.
2. Establishment of clinical database for cataloging the clinical course in different subtypes of thyroid cancer and correlating pre-operative FNA cytology with final surgical pathology.

Currently, there are no protein biomarkers in clinical use that can accurately distinguish benign from malignant thyroid tumors prior to surgery. Our goal is to identify 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. Using proteomics and immunohistochemistry, our laboratory identified and verified a panel of protein biomarkers that 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. Proteomic analysis of the thyroid cancer cell secretome also led to identification of several proteins that can potentially serve as serum based non-invasive biomarkers for diagnosis of thyroid cancer, predicting prognosis or response to therapy.

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 is being 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 genomic and proteomic 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

Voice and Upper Airway Laboratory Jennifer Anderson

The department hired a full-time research coordinator Carmen McKnight which has been a tremendous assistance in our goal to increase research productivity. This has resulted in a significant increase in REB submissions and approvals in the past year. Several trainee projects have been completed from work carried out in the voice laboratory and presented at international/national meetings this year. Dr. Theresa Holler, a Laryngology fellow from 2012, presented work on a study evaluating voice and swallowing problems in thyroidectomy patients at the COSM meeting in 2013 and one of the papers from the study has been accepted for publication.

Dr. Maria Brake, a graduating Laryngology fellow, investigated the outcome and surgical treatment of bilateral vocal fold immobility patients which she presented in Ottawa at the 2014 CSO-HNS annual meeting and at COSM in Las Vegas in 2014. This work has been submitted for publication and is currently under review. Dr. Nik Wolter (PGY3 resident) finished an evaluation of polysomnography in tracheotomy patients and the paper has been accepted for publication in *The Laryngoscope*.

New projects for the voice laboratory include a proposal to evaluate a novel therapy for singers and muscle tension dysphonia patients in collaboration with the Faculty of Music. This project is supported by a \$10,500 grant from the St. Michaels Hospital AFP Innovation Fund and is in the subject recruitment phase.

Other collaborative research with the Department of Medicine (Dr. Susan Tarlo, Respiriology) includes a proposal on evaluation of irritable larynx syndrome. This project is a large undertaking and will require 2 years for completion and has received ethics board approval.

Rhinology Research

John Lee

Rhinology research has continued to grow at St. Michael's Hospital and much of this can be attributed to the hard work from our trainees as well as the integral support from our research coordinator Carmen McKnight.

A prospective study on the effects of endoscopic sinus surgery (ESS) on nasal nitric oxide levels has shown exciting early results which was presented at the American Rhinologic Society (COSM) meeting in 2014. Resident research projects undertaken this year include a poster presentation by Dr. Jason Xu (PGY1 resident) on epistaxis following ESS which received 2nd place at the CSO-HNS Annual meeting in 2014. Drs. Jonathon Yip and Christopher Yao (PGY1 resident) performed a systematic review on ESS in patients with Aspiring Exacerbated Respiratory Disease which was presented at the North American Rhinology/Allergy Conference and the manuscript has been accepted for publication in the American Journal of Rhinology and Allergy.

Ongoing research includes a randomized trial on ESS patient post-operative care by Dr. Gian-Marco Busato (PGY2 resident) which has ethics board approval and is in the recruitment phase.

In the educational realm, Dr. Gordon Tsang (PGY2 resident) continues to work on developing a sinus surgery simulator for the novice surgical trainee.

Finally, the nasal physiology laboratory at SMH is now operational with the arrival and installation of a new nasal airflow and acoustic rhinomanometer. In the fall, we will add formal olfactory testing in order to provide a comprehensive assessment of nasal function for both clinical and research purposes.

We would like to acknowledge the Harry Barberian Grants for helping support this important research initiative.

SUNNYBROOK HEALTH SCIENCES CENTRE

Auditory Development, Protection and Regeneration

Alain Dabdoub & Vincent Lin

The Sonja Koerner Laboratory in Auditory Hair Cell Regeneration work focuses on understanding the role of the Wnt-signaling pathway in cochlear development. Many of the advances in auditory hair cell regeneration such as the manipulation of the Atoh1 gene in adult auditory tissue to trigger transdifferentiation of support cells into functional hair cells were based upon research of the Atoh1 gene during development. Emerging evidence is pointing towards a

significant role of both the Wnt and Atoh1 signaling pathways for future therapies aimed at regenerating lost hair cells. Dr. Dabdoub's lab is also focused on the regeneration of spiral ganglion neurons which represent the first synapse in the ascending auditory pathway and a critical component in which to reconnect with newly regenerated hair cells or to relay electrical information from cochlear implants. One of his approaches is finding molecules to coax the glial cells found within the spiral ganglion population to potentially convert into new neurons.

Dr. Lin's research focuses on the understanding of the pharmacokinetics of corticosteroids in otologic conditions such as sudden sensorineural hearing loss and hearing and vestibular preservation during cochlear implantation. His lab is also investigating the role of angiogenesis and the vascular endothelial growth factor pathway in age-related hearing loss with a hope that pharmacologic agents in the future may either slow down its progression or prevent its occurrence.



"This is a medical miracle for many patients," says Dr. Joseph Chen. "They go from silence to hearing speech immediately at switch-on"

Read the original Globe & Mail article:

<http://m.theglobeandmail.com/life/health-and-fitness/adv/sunnybrook/sunnybrookfeatures/pumping-up-the-volume/article17895666/?service=mobile>

Cochlear Implant Research

Lendra Friesen, Vincent Lin, Julian Nedzelski, Joseph Chen

We have just completed our pilot study looking at corticosteroid responses in guinea pigs implanted with cochlear implant 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 also in the middle of trying to elicit a dependable c-VEMP response in our guinea pigs in preparation for further studies looking at vestibular protection during cochlear implantation.

Examples of our research work can be seen in the following abstracts from the 13th International Conference on Cochlear Implantation and Other Implantable Auditory Technology. Munich. June 18-21, 2014.

1. Adult Cochlear Implantation in the Setting of Contralateral Hearing Exceeding Current Candidacy Criteria. Speaker: Julian M. Nedzelski (Invited Speaker).
2. Relating Objective Measures of Auditory Function to Behavioural Speech Outcomes Among High Level Adult Performers with the MED-EL Flex Electrode. Joglekar S.1, Kuthubutheen J.1,2, Friesen L.1, Smith L.1, Chen J.1, Nedzelski J.1, Lin V.1
3. The Effect of Steroids on Hearing Preservation Cochlear Implantation - A tertiary implant center randomized controlled trial. Kuthubutheen J.1,2, Joglekar S.1, Smith L.1, Smilsky K.1, Millman T.1, Ng A.1, ShippD.1, Coates H.2, Nedzelski J.1, Chen J.1, Lin V.1
4. Elderly Cochlear Implant Candidates Maintain Performance Scores Over Long Term Follow-up: The Sunnybrook experience. Lin V.1,2, Shipp D.1,2, Kuthubutheen J.1,2, Nedzelski J.1,2, Chen J.1,2
5. Development & Validation of a Cognitive Screening Test for the Severely Hearing Impaired. Chung J.1,2, Masellis M.3, Joglekar S.1,2, Smith L.1,2, Chen J.1,2, Nedzelski J.1,2, Lin V.1,2
6. Residual Hearing Preservation with Full Length Electrode Insertion in 129 Consecutive Adult Cochlear Implant Recipients. Chen J.M.1, Nedzelski J.2, Lin V.2, Arnoldner C.3, Kuthubutheen J.2, Shipp D.2, Symons S.4
7. Sunnybrook Experience with Hearing Preservation: Comparing electrode lengths and depths of insertion. Lin V.1,2, Shipp D.1,2, Kuthubutheen J.1,2, Nedzelski J.1,2, Chen J.1,2
8. The Effects of Extended Preoperative Systemic Steroids in Hearing Preservation
- Cochlear Implantation. Kuthubutheen J.1,2, Coates H.2, Rowsell C.1, Chen J.1, Nedzelski J.1, Lin V.1
9. Musical Rehabilitation in Adult Cochlear Implant Recipients with a Self-Administered Software: MusicEAR. Smith L.1, Chen J.1,2, Friesen L.3, Joglekar S.3, Bartel L.4
10. Cost-Utility Analysis of Bilateral Cochlear Implantation in Adults: Choosing the most appropriate health utility instrument. Chen J.M.1,2, Amoodi H.1, Arnoldner C.3, Mick P.4, Lin V.1, Mittmann N.5
11. Adults with Cochlear Implantation Demonstrate Significant Rise in Average Annual Personal Income. Lin V.1,2, Clinkard D.1,2, Shipp D.1,2, Kuthubutheen J.1,2, Nedzelski J.1,2, Chen J.1,2
12. Cone Beam CT vs Micro CT of the Temporal Bone to Determine Cochlear Size Measurements for Electrode Choice in Cochlear Implantation Surgery. Nateghifard K.1, Kuthubutheen J.1,2, Daly M.3, Chan H.3, Lin V.1
13. Bonebridge Implantation: Outcome measures in performance and quality of life. Williams K.A.1,2, Chen J.1,2, Lin V.1,2, Nedzelski J.1,2, Kuthubutheen J.1,2,3, Smith L.2, Joglekar S.2, Vanderelst R.2
14. Putting the "Diagnostics" Back into Aural Rehabilitation with Adult EARS. Ng A.H.1
15. Generating Induced Neurons from Cochlear Cells to Replace Lost or Damaged Auditory Neurons in the Mammalian Inner Ear. Dabdoub A.
16. The Effect of Cochlear Duct Length and Cochlear Size on Hearing Outcomes in Hearing preservation Cochlear Implantation. Kuthubutheen J.1,2, Grewal A.1, Symons S.1, Nedzelski J.1, Shipp D.1, Lin V.1, Chen J.1

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 conversation study which is 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. Our other projects are looking at electrophysiological measurements of the ageing auditory system and whether these changes can be correlated to objective performance.

Vestibular

This is a relatively new theme of research. Our initial projects mainly involve characterization of new 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.

Music

MusicEAR Diagnostic and Rehabilitation studies are continuing with early data demonstrating striking benefit in patients that adhere to the study regiment following a one month intervention. We continue to accrue patients in this collaboration with the faculty of music and auditory verbal therapists to develop a new paradigm of post-intervention therapy.

Structural Preservation

We have clinical trials ongoing that are investigating different pre-operative and intraoperative dosing of corticosteroids to determine its effect on hearing preservation. Our data demonstrates that pre-operative treatment does reveal some lower electrode impedences and eCAP slope differences which may be suggestive of improved structural preservation. Cochlear microphonics and electrocochleography measurements also show promise as predictors of outcome.

Outcomes Research

Acoustic Neuroma research in the context of longitudinal database and intraoperative electrophysiology will continue to help us determine prognostic indicators. Imaging of tumors with Diffusion tensor imaging/tractography will help determine the merit of this technique in defining the location of the facial nerve; further, we wish to determine the role of tractography in the context of auditory brain stem implant and the localization of the cochlear nucleus.

We are currently auditing our practice in terms of our efficacy in patients treated with aggressive intratympanic dexamethasone for sudden sensorineural hearing loss. Our series will be compared with the recent literature to determine if our rates of recovery with our regiment is higher than previously published studies.

Head & Neck Research

1. Clinical and Outcomes Research

There are multiple clinical research studies underway at Sunnybrook that focus on outcomes and clinical standards. These are some of the areas of focus:

1. Sentinel lymph node biopsy for the management of melanoma and non-melanotic skin cancer
2. Predictors of Aggressiveness of Non-melanotic Skin Cancer of the Head And Neck and Intra-parotid Metastatic disease
3. Surgeon-performed ultrasound guided FNAB and Point-of Care Ultrasound (POCUS)
4. The surgical and non-surgical management of paragangliomas of the head and neck
5. Donor Site-associated Morbidity associated with the Antero-lateral Thigh Flap
6. Informed Consent and the Endocrine Surgeon
7. Additional projects with University of Alberta, University of Manitoba (as part of CAHNS) in both advanced and early-stage larynx cancer management and failure patterns
8. Active site participation in COOLS, BRIM-6 and MSLT-2 trials

2. Basic Science Research

Partnership with SRI cancer genomics research program and Dr. Arun Seth with regards to thyroid cancer oncogenesis and gene-alteration and microchip diagnostics.

Multiple collaborative projects with UHN group including: Elderly Study, Oral Cavity Cancer Tissue Microarray Project

The Head and Neck research group at Sunnybrook has also partnered with the image-guided therapeutics division at the Sunnybrook Research Institute and is involved in cutting edge research. Currently, the focus is on MRI-guided high-intensity focused ultrasound (HIFU). This technology allows ablation of tissues with highly focused ultrasound. It is being applied to the management of regionally recurrent unresectable head and neck cancers. Our study is currently in the animal model phase with the plan to move to patients in the coming year. Applications for this technology in other areas of head and neck oncology are also being explored.

Another new exciting image-guided therapeutic will be the addition of an MRI-guided LINAC. This highly specific targeted form of radiotherapy will present new opportunities for research. Currently, our group is exploring potential applications for this new technology and will be ready to take full advantage once it arrives.

Awards

\$75,000 Grant from the FUS Foundation for our work on the application of MRI-guided HIFU for regionally recurrent



unresectable head and neck carcinoma. (Dr. Justin Lee PI, Drs. Enepekides and Higgins Co-PIs).

Tissue Engineering research with partnership with Dr. Stephen Waldman of Ryerson University. CIHR grant awarded (4 years \$115 000/annum).


Humanitarian Outreach

Canada International Scientific Exchange Program (CISEPO)

Dr. Arnold Noyek

Can you imagine an Ontario based, Canadian-led movement - pioneering on the global health scene - finding and fixing children with severe hearing loss and preparing them for normal education? It happened as one of the many dimensions of Dr Noyek and his team's vision, and in typical Canadian style, it's happened quietly on the world stage. Canadian eh! Here are the milestones as serendipity, strategic planning and persistent hard work combined to payoff:

- Severe hearing loss has long been an unaddressed public-health issue worldwide through the 20th century.
- In 1984, Dr. Arnold Noyek establishes CISEPO, the Canada International Scientific Exchange Program (www.cisepo.ca) as a Canadian registered charitable, volunteer health sector organization based at Mount Sinai Hospital, now in the Peter A. Silverman Centre for International Health, and at the University of Toronto and linked to York University.
- CISEPO's mission brings physicians, surgeons and public health specialists, alongside other health-care professionals, scientists, scholars and students from many disciplines together in Canada and the Middle East to better the lives of ordinary people.
- Under his course direction over the next three years, and in a highly charged political environment, continuing education workshops and planning meetings were held in Amman (1996), Gaza (1997), Nablus (1997), Amman (1998), Petah Tikvah (1998) focused on the early detection of hearing loss.
- In 1998, in an academic setting, under a Canadian umbrella, the Middle East Association for Managing Hearing Loss (MEHA) was brokered by Dr. Noyek and CISEPO, with His Royal Highness Prince Firas Raad of Jordan as patron with deans of Israeli, Jordanian and Palestinian medical schools as steering committee participants with CISEPO regional directors for project selection. This is the first and only cross-border professional association among Arabs and Israelis
- Dr. Khalid Hadi, an emerging leader in otolaryngology from Qatar, comes to Mount Sinai and begins training in clinical audiology under Dr. Martyn Hyde and Ms. Krista Riko, studying universal newborn hearing screening, under the mentorship of Dr. Arnold Noyek from 2000 – 2002.
- Dr. Arnold Noyek and the team continue CISEPO/MEHA and University of Toronto workshops in Amman (1999), Amman (1999), Jerusalem (1999), Abu Dis (1999), Tel Aviv (1999), Toronto (2000), Tel Aviv (2000), Bethlehem (2000), Toronto (2000), Tel Aviv (2001), Jerusalem (2001), Jerusalem (2001) working towards promoting the implementation of universal newborn hearing screening programming across the Arab and Israeli frontier.
- In 2001, the Government of Ontario, following the demonstrable success of Dr. Martyn Hyde's brainstem evoked potential research in baby screening, implements universal newborn hearing screening, habilitation and family support in Ontario through the Ministry of Health with partners at the Hospital for Sick Children, University of Western Ontario and other centers.
- In 2001, Dr. Arnold Noyek and the CISEPO/MEHA team, with the support of the Government of Canada, utilizing the pioneering Ontario model, begin a successful cross-border study in newborn hearing screening across the breadth of Israel, Jordan and the West Bank to determine necessary implementation protocols.
- In 2001, CISEPO initiates through funding a pioneering and sustaining cross-border research project and scientific collaboration between Professor Moien Kanaan at Bethlehem University (now dean of life sciences) and Professor Karen Avraham (now vice dean of student affairs) at Tel Aviv University to explore the genetics of hearing loss in Palestinian newborns. These internationally acclaimed researchers in the field of genetics develop a 15 year relationship which remains ongoing across borders in cooperation and productivity. The key to building this relationship and its impacts is the CISEPO funding of the first PhD student in life sciences at Bethlehem University under their joint supervision. The relationship is highly productive at all levels achieving ground breaking genetic discoveries of new genes, through research carried out jointly by these Israeli and Palestinian scientists and their teams, which unlock the mystery of genetic links which cause some genetically transferred forms of hearing loss affecting Palestinian babies;
- Dr. Noyek, CISEPO, and University of Toronto promote universal newborn hearing screening as a movement through meetings and conferences in Nicosia (2002), Cernobbio (2002), Haifa (2003), Beer Sheva (2003),

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- Ankara (2003), Aqaba (2003), Tel Aviv (2003), Tenerife (2003), Amman (2003), Brussels (2004), Cernobbio (2004), Petra (2004), Toronto (2004), Amman (2005), Jerusalem (2005), Ashkelon (2005), Havana (2005), Jerusalem (2005), Vienna (2006), Toronto (2006), Amman (2006), Toronto (2007), Tel Aviv (2007), Irbid (2007), Toronto (2007), Washington (2007), Amman (2008), Toronto (2008), Toronto (2009), Amman (2010), Jerusalem (2010), New Haven (2010).
 - In 2004, CISEPO and MEHA with the support of the Government of Canada begin universal newborn hearing screening, habilitation and family support in Jordan.
 - In 2006, the Ontario program is placed under the Ministry of Children and Youth Services.
 - In 2007, the Ministry of Health in Jordan adopts universal newborn hearing screening, habilitation and family support as national health policy through legislation. To date: 800,000 babies screened (est).
 - In 2007, Qatar, as part of an ongoing Canadian-Qatari partnership, adopts universal newborn hearing screening, habilitation and family support as national health policy. To date: 90,000+ babies screened
 - In 2010, based on CISEPO/MEHA protocols, Israel adopts universal newborn hearing screening as national health policy. To date: 320,000 babies screened
 - In 2010 Qatar develops an ongoing certification program for clinical audiologists, initially in partnership with the Peter A. Silverman Center for International Health and the International Continuing Health Education Collaborative at the University of Toronto (led by Abi Sriharan), with the support of Professors Noyek, Pat Gullane (Chair, Otolaryngology, University of Toronto), Hyde and Riko.
 - In 2010, Dr. Arnold Noyek addresses the US federal government and all state governments on the implementation of universal newborn hearing screening and habilitation through the Ontario and Middle East models at a major national conference in Chicago and the US now begins a similar Universal Newborn Hearing Screening (UNHS) undertaking.
 - In 2011, Ontario screens its one millionth baby as universal newborn hearing screening is also adopted in New Brunswick and British Columbia with Québec expected to join in shortly.
 - Professor Hyde guides the Infant Hearing Programs (IHP) in Ontario and British Columbia for the provincial governments.
 - Canadian newborns, infants and children with severe hearing loss now have achieved the educational opportunities of their hearing peers and can attend mainstream schools. This now continues worldwide as CISEPO has played a key role in developing national health policies, creating 'new normals' for cooperation in the health sector and a needs-based movement on the global scene for children's hearing health and education has begun.
- Dr. Khalid Abdul Hadi, a senior otolaryngologist at Hamad Medical Corporation (HMC) in Doha Qatar visits Mount Sinai Hospital June 9-13, 2014. Khalid's visit marks 15 years of remarkable cooperative programming and capacity building in the health sector through the Canadian-Qatari collaboration. Khalid is a major player on the international scene implementing magnificent programs on the ground in Qatar and the Gulf under the same ageis and with the strong support of our Vice Dean Professor Dimitri Anastakis and his team. Khalis is also a very highly respected researcher.
- <http://vimeo.com/52974256>
- This 3 minutes video presents one of the many examples of our current work on the ground in Jordan, in the field of hearing disability, employment for the disadvantaged and poverty reduction as we genuinely address the major public health issue of genetic hearing loss.
- Face the Future™ Foundation**
Dr. Peter Adamson and Team
- The Face the Future™ Foundation was established in 1996 with Dr. Peter Adamson as its Founder and President. Its mission is to provide medical care for children suffering from facial deformities in less advantaged countries. It also commits to teaching local surgeons and to long-term relationships to build capacity in the host country. Surgical teams of up to 16 members have completed 25 major missions in Russia and Rwanda since 1996. There have been three missions in the academic year 2013-14.
- The first mission was to Ekaterinburg, Russia. This is a city of 1.5 million people 1,500 km east of Moscow in Siberia. The mission teams have been active at the Bonum Centre, the largest pediatric hospital and rehabilitation centre outside Moscow in Russia, since 1996. Previous larger missions are now being replaced by smaller teams with very focused goals. Dr. Alex Rabinovich, an oral maxillofacial surgeon from San Francisco, performed seven complex maxillofacial procedures and taught new methods of preoperative digital planning.
- Our second mission consisted of 13 members to the Rwanda Military Hospital in Kigali, Rwanda. 51 patients were seen in consultation and 35 cases were operated upon. These



included significant oral maxillofacial deformities, ablation and reconstruction of head and neck tumors, total nasal reconstructions, treatment of hemangiomas, orbital reconstructions, extensive keloid resections and two free flaps. Local surgeons participated in the procedures and an academic day of lectures and panels was held.

The Foundation's third mission of the year was to Ulyanovsk, Russia in early June. A team of 12 performed 92 consultations and operated on 66 patients. These included microtia repairs in various stages, cleft lip and palate, hemangioma excisions and surgical scar revisions. In addition, members of the team other than facial plastic surgeons included a paediatric general surgeon, urologist, orthopedic surgeon and an otolaryngologist. The latter performed laryngeal reconstructions. Members of this team from the University of Toronto included the undersigned as Chef de Mission and Dr. Lukas Kus, PGY 4. A physician from Oakville, hospitalist Dr. Elena Sourovtseva, as well as Dr. Adamson's executive assistant, Mr. Ilya Shkarupin, also participated in the mission.

In addition, the Face the Future™ Foundation had its annual fundraising event in June, this consisting of a dinner and auction, to raise funds to support several missions in the coming year. It is expected that missions will continue to Rwanda and Russia, with discussions underway to expand the number of missions to other countries.

Additional information is available at:
www.facethefuturefoundation.ca

PUBLICATIONS

BOOKS

Primary Auditory Neurons. Editors: Dabdoub A, Fritsch B, Popper AN, Fay R. Springer New York. In preparation.

Airway Reconstruction Surgical Dissection Manual. Propst EJ, Tirado Y, Abdulkader FI, Estrada M, Campisi P, Forte V. San Diego. Plural Publishing; 2014.

Harrison LB, Sessions RB, Kies MS, Gullane PJ. Head and Neck Cancer. A Multidisciplinary Approach. 2013.

Propst EJ, Campisi P, Cushing SL, Forte V, James AL, Papsin BC. The Handbook of Pediatric Otolaryngology, Second Edition. Second. Toronto (Canada); 2013. 80 p. Second Edition. Type and Graphics, 2013.

BOOK CHAPTERS

Adamson PA, Kim A. Otoplasty. IN: Ballenger's Otorhinolaryngology Head and Neck Surgery. Ch 66, Eighteenth Edition, ed. Wackym and Snow, pub. PMPH-USA. In press. 2014 April.

Adamson, PA. 10 Tools to be a Successful Surgeon. IN: Essential Paths to Life after Residency, Ch 38, pp 415-426, ed. Lee and Chan, pub. Plural Publishing, San Diego. 2013.

Alberti, PW. Industrial Hearing Conservation. IN: Prevention of Hearing Loss. 2012 .

Busato GM, Asaria J, Adamson PA. Facial Plastic Surgery. IN: Essential Otolaryngology. editor K.J. Lee and Y. Chan, Ch 34, pp 744-768, 11th edition.

Cushing S, Papsin BC. Peripheral Vestibular Dysfunction in Children with Sensorineural Hearing Loss. IN: XII IAPO Manual of Pediatric Otorhinolaryngology. Editors Sih T, Chinski A, Eavey R, Godinho R. Editora e Grafica Vida & Consciencia, Sao Paulo, Brazil: pp 265-272. 2013.

Cushing S. Assessment of Pediatric Balance. IN: Pediatric Otolaryngology-Head and Neck Surgery, A Clinical Reference Guide. Sanjay Parikh editor(s). 1st ed. (United States). 2014.

Cushing SL, Blaser S, Papsin BC. Congenital Anomalies of the External, Middle and Inner Ear. IN: Ballenger's Otorhinolaryngology-Head and Neck Surgery. 18th ed. Wackym PA, Snow JB editor(s). (United States). 2013.

Cmelak AJ, Arneson K, Chau NG, Gilbert RW, Haddad RI: Locally Advanced Head and Neck Cancer. IN: American Society of Clinical Oncologic Education. pp 237-44. 2013.

Dabdoub A, Fritzsche B. Auditory Neurons: Hear and tomorrow. IN: Primary Auditory Neurons. Edited by: Dabdoub A, Fritzsche B, Popper AN, Fay R. Springer New York. In preparation.

Devins GM, Otto K, Irish J, Rodin GM: Head and Neck Cancer. IN: Psycho-Oncology (3rd ed). Ed. Holland JC, Breitbart WS, Jacobsen PB, Lederberg MS, Loscalzo MJ, McCorkle R. Oxford University Press New York. pp135-139. 2014.

Dickie SR, Adamson PA, Warner JP. Alar Soft Tissue Techniques in Rhinoplasty IN: Shiffman, MA, DiGiuseppe, A, (eds), Advanced Rhinoplasty: Art, Science and New Clinical Techniques, pp 425-434, Berlin, Springer Publishing. 2013.

Ellis DAF, Wilson YS: Techniques for Office Anesthesia: Local Anesthesia and Regional Block Techniques. IN: Minimally Invasive and Office-Based Procedures in Facial Plastic Surgery. Thieme Medical Publishers Inc. Edited by FG Fedok and PJ Carniol. pp 28-41. 2013.

Enepekides DJ, Higgins KM. Reconstruction of the Scalp. IN: Sataloff's Comprehensive Textbook of Otolaryngology. Gullane P, Goldstein D editor(s). Philadelphia. Jaypee Medical Publishers; 2013.

Erovc BM, Martino R, Irish JC. Swallowing. IN: A Multidisciplinary Approach to Head and Neck Neoplasms. Har-El G, Nathan CA, Day TA, Nguyen SA. editor(s). New York. Thieme Medical Publishers Inc. 2013.

Falls C, Lai P, Pothier DD, Rutka JA. Vestibular and Balance Disorders, IN: Essential Otolaryngology 11th Ed. KJ Lee.

Fandino M, Yu E, Witterick IJ. Nasopharyngeal Carcinoma. IN: Encyclopedia of Otolaryngology-Head and Neck Surgery. SE Kountakis, editor(s). Springer-Verlag Berlin Heidelberg. pp 1783-94. 2013.

Fandino M, Yu E, Witterick IJ. Skull Base Metastases. IN: Encyclopedia of Otolaryngology-Head and Neck Surgery. SE Kountakis, editor(s). Springer-Verlag Berlin Heidelberg. pp 2475-83. 2013.

Figuerola R, Dixon P, Soong D, Kim J, Martin J, Irish JC, Propst EJ (editor). Otolaryngology- Head & Neck Surgery. IN: Toronto Notes. Type and Graphics (publisher). 2014.

Funk E, Adamson PA. The M-Arch Model of Nasal Tip Dynamics IN: Compendium of Surgical Techniques, ed. Daniel Alam. Submitted 2013 July.

Freeman J. Open Thyroidectomy. IN: Head and Neck Surgery, Master Techniques in Otolaryngology - Head and Neck Surgery. Eugene Myers and Robert Ferris, editor(s). Wolters Kluwer, Lippincott Williams & Wilkins. 2013.

Gordon KA. The Role of Electrophysiologic Testing in Pediatric Cochlear Implantation. IN: Cochlear Implants in Children: Learning and the Brain. Nancy Young and Karen Kirk, Editors. Springer Publishing Inc. In press.

Harrison RV. Neural Plasticity in Otology. IN: Otolaryngology: Head and Neck Surgery, Edition 6. Cummings et al. eds. Mosby/Elsevier Sciences NY. Ch 132. 2014.

Hassounieh B, Guyatt GH. Blinding Who from What? IN: Important Considerations for Clinical Trial Methodologies. Editors: Vance W. Berger and Xiao (Cathy) Zhang. Future Science Ltd. London, Ch 4, pp 62-77. 2013 October.

Higgins K. Skin Graft. IN: Reconstruction of the Head and Neck Volume of the New Series, Masters Techniques in Otolaryngology-Head and Neck Surgery. Eugene Myers, Editor. Lippincott Williams & Wilkins, Publishers.

Hubbard B, Chiodo A. Management of Serous Otitis Media/ Otitis Media with Effusion. IN: Learn ENT, Publishers: Mclean L, Kohlert S, Canadian Society of Otolaryngology-Head & Neck Surgery, Ottawa, eBook, 2013.

Hugh SC, Cushing SC, Papsin BC, Propst EJ. Noise-Induced Hearing Loss: Are infants and children at risk? IN: XII IAPPO Manual of Pediatric Otorhinolaryngology. editors Sih T, Chinski A, Eavey R, Godinho R. Editora e Grafica Vida & Consciencia, Sao Paulo, Brazil. pp 255-259. 2013.

James AJ, Cushing SL, Papsin BC. Diagnostic Approach to Common Pediatric Otologic Problems. IN: Sataloff's Comprehensive Otolaryngology. Robert Sataloff, editor(s). (United States). 2013.

Janjua A, Witterick IJ. Complications in External Approaches to the Paranasal Sinuses. IN: Complications in Otolaryngology-Head and Neck Surgery. M Bernal-Sprekelsen, RL Carrau, S Dazert, JL Dornhoffer, G Peretti, M Tewfik and PJ Wormald, editor(s). New York (New York). Thieme. pp 127-44. 2013.

Kamdar D, Al Saffar H, Gullane P, Goldstein D. Advanced Larynx Cancer. IN: Sataloff's Comprehensive Textbook of Otolaryngology. Sataloff R, editor(s). 2014. Accepted / In Press.

Kus, HK, Freeman, JL. The Rare Ones. Horner's Syndrome, Complications from Surgical Positioning and Post-Sternotomy Complications. IN: Thyroid Surgery: Preventing and Managing Complications. First Edition, John Wiley & Sons Ltd. Published.



Lee A. Acute Peripheral Vestibular Loss IN: Dizziness and Vertigo: An Introduction and Practical Guide. Editors: Kanegaonkar R, Tysome J. CRC Press. 2014 April.

Lee J, Chiu AG. Endoscopic Surgery for Inverted Papilloma. IN: Rhinology and Endoscopic Skull Base Surgery. Devaiah AK, Marple B, editor(s). Rhinology. 1. Thieme Publishing. Ch26 pp 166-71. 2014.

Lee J. Endoscopic Septoplasty. IN: Masters Techniques in Otolaryngology-Head & Neck Surgery. Kennedy DW, editor(s). Anticipated Publication 2014.

Lee J. Extended Sphenoid Sinus Antrotomy. IN: Atlas of Endoscopic Sinus and Skull Base Surgery. Palmer JN, Chiu AG, editor(s). Elsevier Publishing. pp 163-68. 2013.

Lee J. Video Chapter: Sphenoidotomy. IN: Rhinology: Diseases of the Nose, Sinuses and Skull Base. Kennedy DW, Hwang P. editor(s). Thieme Publishing. 2013.

Leung A, Pothier DD, Bowdler D. Otoendoscopy and Endoscopic Ear Surgery. IN: Scott-Brown Otolaryngology. Publisher CRC Press, Editors: Michael J Gleeson, Ray C Clarke; Section Editor: Christopher Aldren.

Ngan B, Lim M, Vergillio J. Lymph Nodes, Bone Marrow and Immunodeficiencies IN: Essentials of Surgical Pediatric and Perinatal Pathology. Eds. Scheimberg & Cohen, Cambridge University Press. In Press.

Papaioannou, Vicky. Hearing Disorders in the Classroom. IN: Medical Problems in the Classroom. The Teacher's Role in Diagnosis and Management. R.H.A. Haslam and P.J. Valletutti (Eds.). Submitted.

Patel S, Gullane P, Goldstein DP. Hypopharynx Cancer. IN: Sataloff's Comprehensive Textbook of Otolaryngology. Robert Sataloff, editor(s). 2014. Accepted / In Press.

Peer S, Papsin BC, James AL. Cholesteatoma and Tympanic Membrane Retraction in Children. IN: Paparella's Textbook of Otolaryngology. 2014. Accepted / In Press.

Pothier DD. Endoscopic Middle Ear Surgery IN: The Chronic Ear. John Dornhoffer and Michael Gluth editors. (submission to final edits 2014-06-30).

Pothier DD, Falls C. Vestibular Function Testing. IN: Presentation based ORL. Malcolm Giles editor.

Propst EJ, Forte V. Branchial Cleft Anomalies. IN: Pediatric Otolaryngology-Head and Neck Surgery, Clinical Reference Guide. Parikh S. Published.

Rutter MJ, Propst EJ, Cohen AP, DeAlarcon A. Airway

Surgery: Open Approach. Pediatric Otolaryngology. IN: Bluestone CD, Healy GB (Eds.) Bluestone & Stool: Pediatric Otolaryngology 5th Edition: BC Decker. 2014.

Shah MD, Freeman JL. Substernal Goiter. IN: Atlas of Head and Neck Surgery. Jaypee Brothers Medical Publishers (P) Ltd. 2013.

Shah MD, Freeman JL. Parathyroidectomy. IN: Atlas of Head and Neck Surgery. Jaypee Brothers Medical Publishers (P) Ltd. 2013.

Witterick IJ. Canadian Certification Process. IN: Life After Residency: What's Next? KJ Lee, Y Chan, editor(s). San Diego (California). Plural Publishing Inc. pp 301-10. 2013.

Witterick IJ. Transsphenoidal Approach to the Medial Petrous Apex. IN: Master Techniques in Otolaryngology-Head & Neck Surgery. Skull Base Surgery Volume. CH Snyderman, PA Gardner (volume eds), EN Myers (ed), editor(s). Lippincott Williams & Wilkins. 2013.

PEER-REVIEWED ARTICLES

Listed by Journal Name

Acta Otolaryngology

Harrison RV, Konomi U, Kanotra S, James AL: Postnatal Maturation of Contralateral DPOAE Suppression in a Precocious Animal Model (Chinchilla) of the Human Neonate. 133:383-9. 2013.

Aesthetic Plastic Surgery

Gevorgyan A, Smith O: Correcting a Bent Septum by a K-Wire Stabilization During an Extracorporeal Septal Reconstruction. 37(4); 698-703; 2013.

American Journal of Medical Genetics, Part A

Chung BH, Bradley T, Grosse-Wortmann L, Blaser S, Dirks P, Hinek A, Chitayat D: Hand and Fibrillin-1 Deposition Abnormalities in Loeys-Dietz Syndrome-Expanding the Clinical Spectrum. 164(2):461-6. 2014 February.

Siriwardena K, Al-Maawali A, Guerin A, Blaser S, Chitayat D: XY Sex Reversal, Pontocerebellar Hypoplasia and Intellectual Disability: Confirmation of a new syndrome.161(7):1714-7. 2013 July.

American Journal of Neuroradiology (AJNR)

Laughlin S, MacGowan C, Traubici J, Chan K, Khan S, Arnold D, Marrie R, Banwell B: No Evidence for Impairment of Venous Hemodynamics in Children or Young Adults with Pediatric-Onset Multiple Sclerosis. 34(12):2366-72. 2013 December.

Philpott C, Shannon P, Chitayat D, Ryan G, Raybaud CA, Blaser S: Diffusion-Weighted Imaging of the Cerebellum in the Fetus with Chiari II Malformation. 34(8):1656-60. 2013 August.

American Journal of Rhinology and Allergy

Fandinõ M, Macdonald KI, Lee J, Witterick IJ: The Use of Postoperative Topical Corticosteroids in Chronic Rhinosinusitis with Nasal Polyps: A systematic review and meta-analysis. 27(5):e146-e157. 2013 September.

Yip J, Yao CM, Lee JM: State of the Art: A Systematic Review of the Surgical Management of Aspirin Exacerbated Respiratory Disease. 2014 April.

Angiogenesis

Ardelean DS, Yin M, Jerkic M, Peter M, Ngan B, Kerbel RB, Foster FS, Letarte M: Anti-VEGF Therapy Reduces Chronic Intestinal Inflammation in the Endoglin Heterozygous Mouse Model of Inflammatory Bowel Disease. 17(3):641-59. 2014 July.

Ardelean DS, Jerkic M, Yin M, Peter M, Ngan B, Kerbel RS, Foster FS, Letarte M: Endoglin and Activin Receptor-like Kinase 1 Heterozygous Mice have a Distinct Pulmonary and Hepatic Angiogenic Profile and Response to Anti-VEGF Treatment. 17;17(1):129-146. 2014 January.

Annals of the American Thoracic Society

Al-Saleh S, Kantor PF, Chadha NK, Tirado Y, James AL, Narang I: Sleep Disordered Breathing in Children with Cardiomyopathy. 2011(5):770-6. 2014 June.

Annals of Otology, Rhinology, and Laryngology

Brandt MG, Rotenberg BW, Moore CC, Doyle PC: Impact of Nasal Surgery on Speech Resonance 123(8):564-70. 2014 August.

Annals of Surgical Oncology

Brar S, Provvidenza C, Hunter A, Victor J, Irish J, McLeod R, Wright F: Improving Multidisciplinary Cancer Conferences: A Population-Based Intervention. 21(1):16-21. 2014 January.

Archives of Physical Medicine and Rehabilitation

Salbach NM, O'Brien K, Brooks D, Irvin E, Martino R, Takhar P, Chan S, Howe J: Speed and Distance Requirements for Community Ambulation: A systematic review. 95, 117-128. 2014.

Audiology and Neurotology

Papsin BC, Cushing SL, Gordon KA: Disruptive Technology and the Importance of Bilateral Cochlear Implantation in Children. 18(sup 1):11-13. 2013 December.

Wolter NE, Harrison RV, James AL: Separating the Contributions of Olivocochlear and Middle Ear Muscle Reflexes in Modulation of Distortion Product Otoacoustic Emission Levels. 19(1):41-8. 2014 January.

BMC Cancer

Hasan MR, Sharma R, Saraya A, Chattopadhyay TK, DattaGupta S, Chauhan SS, Ralhan R: Mitogen Activated Protein Kinase Kinase Kinase 3 (MAP3K3/MEKK3) Overexpression is an Early Event in Esophageal Tumorigenesis and is a Predictor of Poor Disease Prognosis. 14(1):2. 2014 January.

Brain

Gordon KA, Wong DDE, Papsin BC: Bilateral Input Protects the Cortex from Unilaterally Driven Reorganization in Children Who are Deaf. 136(5): 1609-25. 2013.

Canadian Acoustics

Harrison AL, Negandhi J, Allemang C, D'Alessandro L, Harrison RV: Acoustic Cross-Over Between Ears in Mouse (mus musculus): Determination using a novel ABR based bio-assay. 41: 5-10. 2013.



Canadian Medical Association Journal (CMAJ)

Eskander A, Papsin BC: Screening Infants for Hearing Impairment in Canada. 186(14):1048-49. 2014 October.

Fernandes VT, Ng E, Campisi P: Metal Water Bottle Tongue Entrapment in a Child. 186(14):1091. 2014 October.

de Almeida J, Guyatt GH, Sud S, Dorion J, Kolber MR, Lea J, Loong S, Somogyi BK, Westerberg BD, White C, Chen JM: A Clinical Practice Guideline for the Management of Bell's Palsy. 186(12):917-22. 2014 September.

Sawka AM, Brierley JD, Ezzat S, Goldstein DP: Managing Newly Diagnosed Thyroid Cancer. 186(4); 269-75. 2014 March.

Cancer

Huang SH, Waldron J, Milosevic M, Shen XW, Ringash J, Tong L, Truong M, Perez-Ordóñez B, Weinreb I, Bayley A, Kim J, Hope A, Cho J, Giuliani M, Razak A, Goldstein D, Liu FF, Xu W, O'Sullivan B: The Prognostic Value of Pre-Treatment Circulating Neutrophils in Oropharyngeal Cancer Stratified by HPV Status. 2014 June.

Kashigar A, Habbous S, Eng L, Irish B, Bissada E, Irish J, Brown DH, Gilbert R, Gullane P, Xu W, Huang S-H, Witterick I, Freeman J, O'Sullivan B, Waldron J, Liu G, Goldstein D: Social Environment, Secondary Smoking Exposure, and Smoking Cessation Among Head and Neck Cancer Patients. 119(15):2701-9; 2013 August.

Cancer Discovery

Sepiashvili L, Waggott D, Hui A, Shi W, Su S, Ignatchenko A, Ignatchenko V, Laureano M, Huang S, Xu W, Waldron J, O'Sullivan B, Irish JC, Boutros P, Liu F-F, and Kislinger T: Integrative Systems Analysis of HPV-Positive and HPV-Negative Oropharyngeal Carcinomas. 2014 May.

Cancer Epidemiology

Habbous S, Chu KP, Qiu X, La Delfa A, Harland LTG, Fadhel E, Hui A, Perez-Ordóñez B, Weinreb I, Liu F-F, Waldron J, O'Sullivan B, Goldstein D, Xu W, Huang SH, Liu G: The Changing Incidence of Human Papillomavirus-Associated Oropharyngeal Cancer Using Multiple Imputation from 2000 to 2010 at a Comprehensive Cancer Centre. 37(6):820-9. 2013 December.

Cancer Medicine

Groome P, Irish J, Hall S: Access, Excess and Overdiagnosis: The case for thyroid cancer. 2013 October. Accepted / In Press.

Wong KM, Qiu X, Cheng D, Azad AK, Habbous S, Palepu P, Mirshams M, Patel D, Chen Z, Roberts H, Knox J, Marquez S, Wong R, Darling G, Waldron J, Goldstein D, Leigh N, Shepherd FA, Tsao M, Der S, Reisman D, Liu G: Two BRM Promoter Insertion Polymorphisms Increase the Risk of Early-Stage Upper Aerodigestive Tract Cancers. 2014 February.

Carcinogenesis

Wang JR, Gramling SJB, Goldstein DP, Cheng D, Chen D, Azad AK, Tse A, Hon H, Chen Z, Mirshams M, Simpson C, Huang S-H, Marquez S, O'Sullivan B, Liu F-F, Roberts H, Xu W, Brown DH, Gilbert RW, Gullane PJ, Irish JC, Reisman DN, Liu G: Corrigendum. 34(8):1940; 2013 August.

Chemosphere

Vierke L, Ahrens L, Shoeib M, Palm W-U, Webster EM, Ellis DA, Ebinghaus R, Harner T: In Situ Air-water and Particle-Water Partitioning of Perfluorocarboxylic Acids, Perfluorosulfonic Acids and Perfluorooctyl Sulfonamide at a Wastewater Treatment Plant. 92(8); 941-948; 2013.

Child's Nervous System

Di Ieva A, Bruner E, Haider T, Rodella LF, Lee JM, Cusimano MD, Tschabitscher M: Skull Base Embryology: A multidisciplinary review. 30(6):991-1000. 2014 April.

Clinical Imaging

Dmytriw AA, Gullane PJ, Bartlett E, Perez-Ordóñez B, Yu E: Parotid Gland Metastasis Originating from Malignant Meningioma. 37(4):740-3. 2013 July.

Clinical Linguistics & Phonetics

Bressmann T, Foltz A, Zimmermann J & Irish JC: Production of Tongue Twisters by Speakers with Partial Glossectomy. 2014 June. Accepted / In Press.

Clinical Neurophysiology

Jiwani S, Papsin BC, Gordon KA: Central Auditory Development after Long-Term Cochlear Implant Use. 124(9):1868-1880. 2013 September.



Clinics in Plastic Surgery

Sklar M, Golant J, Solomon P: Rhinoplasty with Intravenous and Local Anesthesia. 40(4); 627-629. 2013.

Cochlear Implants International

Arnoldner C, Li VYW: Expanded Selection Criteria in Adult Cochlear Implantation. 14(SUPPL. 4):S10-3. 2013 November.

Merdad M, Wolter N, Cushing SL, Gordon KA, Papsin BC: Surgical Efficiency in Bilateral Cochlear Implantation: A cost analysis. 15(1): 43-7. 2014 January.

Osborn HA, Cushing SL, Gordon KA, James AL, Papsin BC: The Management of Acute Mastoiditis in Children with Cochlear Implants: Saving the device. 14(5):252-6. 2013 November.

Volkova A, Trehub SE, Schellenberg G, Papsin BC, Gordon KA: Children with Bilateral Cochlear Implants Identify Emotion in Speech and Music. 14(2): 80-91. 2013.

Current Opinion in Otolaryngology and Head and Neck Surgery

Brandt MG, Moore CC: Implants in Facial Skeletal Augmentation. Current Opinion in Otolaryngology and Head and Neck Surgery. 21(4):396-9. 2013 August.

James AL, Papsin BC: Some Considerations in Congenital Cholesteatoma. 21(5):431-9. 2013 October.

Current Physical Medicine and Rehabilitation Reports

Martino R, Flowers H, Shaw S, Diamant N: A Systematic Review of Current Clinical and Instrumental Swallowing Assessment methods. 1:267-279. 2013.

Developmental Medicine & Child Neurology

Al-Maawali A, Blaser S, Zhao XY, Yoon G: Prospective Study of Activities of Daily Living Outcomes in Children with Cerebellar Atrophy. 56(5):460-7. 2014 May.

Developmental Neurobiology

Jacques B, Montgomery WH, Uribe PM, Yatteau A, Asunicon JD, Resendiz G, Matsui JI, Dabdoub A: The Role of Wnt/ β -catenin Signaling in Proliferation and Regeneration of the Developing Basilar Papilla and Lateral Line. 74:438-56 (journal cover). 2014.

Dysphagia

Skoretz SA, Yau TM, Ivanov J, Granton JT, Martino, R: Dysphagia and Associated Risk Factors Following Extubation in Cardiovascular Surgical Patients. 2014. In Press.

Ear and Hearing

Osman H, Friesen LM, Fujioka T, Bartel L, Chen J: How Adult Cochlear Implant Recipients Listen to Music: Enjoyment, Perception, and Rehabilitation. 2014. Submitted, 2013.

Steel MM, Abbasalipour P, Salloum CAM, Hasek D, Papsin BC, Gordon KA: Unilateral Cochlear Implant Use Promotes Normal-Like Loudness Perception in Adolescents with Childhood Deafness. In Press. 2014.

Endocrine Related Cancer

Wasserman JD, Vali R, Daneman A, Charron M, Forte V, Campisi P, Propst EJ, Shammas A: 18F-FDG-PET/CT for Pre-Operative Staging of Pediatric Thyroid Nodules: Initial experience at a single institution. 2014 January.

European Archives of Otorhinolaryngology

Marchioni D, Alicandri-Ciufelli M, Pothier DD, Rubini A, Presutti L: The Round Window Region and Contiguous Areas: Endoscopic anatomy and surgical implications. 2014 February. [Epub ahead of print].

European Journal of Human Genetics

Al-Maawali A, Dupuis L, Blaser S, Heon E, Tarnopolsky M, Al-Murshedi F, Marshall CR, Paton T, Scherer SW, for the FORGE Canada Consortium, Roelofsen J, van Kuilenburg AB8, Mendoza-Londono R: Prenatal Growth Restriction, Retinal Dystrophy, Diabetes Insipidus and White Matter Disease: Expanding the spectrum of PRPS1-related disorders. In Press. 2014 June.

Facial Plastic Surgery Clinics of North America

Hassounah B, Newman JP: Lasers, Fillers, and Neurotoxins: Avoiding complications in the cosmetic facial practice. 21(4); 585-598. 2013.



Frontiers in Psychology

Gordon KA, Jiwani S, Papsin BC: Benefits and Detriments of Unilateral Cochlear Implant use on Bilateral Auditory Development in Children who are Deaf. 4; 719. 2013 October.

Genes, Chromosomes and Cancer

Weinreb I, Zhang L, Tirunagari L, Sung YS, Chen LC, Perez-Ordonez B, Clarke BA, Skalova A, Chiosea SI, Seethala RR, Waggott D, Boutros PC, How C, Irish JC, Goldstein DP, Gilbert R, Din N, Assaad A, Hornick JL, Thompson LDR, Antonescu CR: Novel PRKD Gene Rearrangements and Variant Fusions in Cribriform Adenocarcinoma of Salivary Gland Origin. 53(10):845-56. 2014 March.

Glycobiology

Novak A, Binnington B, Ngan B, Chadwick K, Fleshner N, Lingwood CA: Cholesterol Masks Membrane Glycosphingolipid Tumor-Associated Antigens to Reduce their Immunodetection in Human Cancer Biopsies. 23(11):1230-1239. 2013 November.

Head and Neck

Czerwonka L, Freeman JL, McIver B, Randolph GW, Shah JP, Shaha AR, Sherman LI, Tuttle RM, Witterick IJ: Summary of Proceedings of the Second World Congress on Thyroid Cancer. Head Neck. 36(7):917-20. 2014 February.

de Almeida JR, Witterick IJ, Gullane PJ, Gentili F, Lohfeld L, Ringash J, Thoma A, Vescan AD: Physical Morbidity by Surgical Approach and Tumor Location in Skull Base Surgery. 35(4):493-9. 2013.

de Almeida JR, Witterick IJ, Gullane PJ, Gentili F, Lohfeld L, Ringash J, Thoma A, Vescan AD: Quality of Life Instruments for Skull Base Pathology: Systematic review and methodologic appraisal. 35(9):1221-31. 2013 September.

Eskander A, Merdad M, Irish JC, Hall SF, Groome PA, Freeman JL, Urbach DR, Goldstein DP: Volume-Outcome Associations in Head & Neck Cancer Treatment: A Systematic Review and Meta-Analysis. 2013 September.

Goldstein DP, Ringash J, Irish JC, Gilbert R, Gullane PJ, Brown DH, Xu W, Del Bel R, Chepeha D, Davis AM: Assessment of the Disabilities of the Arm, Shoulder and Hand (DASH) Questionnaire for Use in Patients Following Neck Dissection for Head and Neck Cancer. 2013 December [Epub ahead of print].

Goldstein D, Ringash J, Bissada E, Jaquet Y, Irish J, Chepeha D, Davis AM: Scoping Review of the Literature on Shoulder Impairments and Disability after Neck Dissection. 36(2):299-308. 2014 February.

Habbous S, Harland LTG, La Delfa A, Fadhel E, Xu W, Liu F-F, Goldstein D, Waldron J, Huang SH, O'Sullivan B, Liu G: Comorbidity and Prognosis in Head and Neck Cancers: Differences by subsite, stage, and human papillomavirus status. 36(6):802-10. 2014 June.

Karle WE, Anand SM, Clain JB, Scherl S, Buchbinder D, Smith ML, Urken ML: Use of a Combined Latissimus Dorsi Scapular Free Flap Revascularized with Vein Grafting to the Internal Mammary Artery in a Vessel-Depleted and Previously Irradiated Neck. 35(11):E328-32. 2013.

King E, Daly MJ, Chan H, Bachar G, Dixon BJ, Siewerdsen JH, Irish JC: Intraoperative Cone-Beam CT for Head and Neck Surgery: Feasibility of clinical implementation using a prototype mobile C-arm. 35(7):959-67. 2013 July.

Kroeker TR, Le Nobel G, Merdad M, Freeman JL: Outcomes of Incidentally Discovered Thyroid Nodules Referred to a High-Volume Head and Neck Surgeon. 36(1):126-9. 2014 January.

McAlister ED, Goldstein DP, Rotstein LE: Redefining Classification of Central Neck Dissection in Differentiated Thyroid Cancer. 36(2):286-90. 2014 February.

Merdad M, Eskander A, Kroeker T, Freeman JL: Metastatic Papillary Thyroid Cancer with Lateral Neck Disease: Pattern of spread by level. 35(10); 1439-42. 2013 October.

Prisman E, Haerle SK, Irish JC, Daly M, Miles B, Chan H: Value of Preoperative Mandibular Plating in Reconstruction of the Mandible. 36(6):828-33. 2014 June.

Rich JT, Goldstein DP, Haerle SK, Busato GM, Gullane PJ, Gilbert RW. Vascularized Composite Autograft for Adult Laryngotracheal Stenosis and Reconstruction. 2014 June.

Xu, JJ, Campbell G, Alsaffar H, Brandt MG, Doyle PC, Glicksman JT, Fung K: Lymphadenopathy: Defining a palpable lymph node. 2013 December.

Head and Neck Pathology

Perez-Ordoñez B, Irish JC, Yu ES, Gillison ML: Human Papillomavirus-16 Associated Adenocarcinoma NOS of Base of Tongue. 7(3):268-73. 2013 September.



Human Molecular Genetics

Cervigne NK, Machado J, Goswami RS, Sadikovic B, Bradley G, Perez-Ordóñez B, Galloni NN, Gilbert R, Gullane P, Irish JC, Jurisica I, Reis PP, Kamel-Reid S: Recurrent Genomic Alterations in Sequential Progressive Leukoplakia and Oral Cancer: Drivers of oral tumorigenesis? 23(10):2618-28. 2014 May.

International Forum of Allergy and Rhinology

Fandiño M, Macdonald K, Singh D, Whyne C, Witterick I: Determining the Best Graft-Sealant Combination for Skull Base Repair Using a Soft Tissue in Vitro Porcine Model. 3(3):212-6. 2013.

Tan BK, Lu G, Kwasny MJ, Hsueh WD, Shintani-Smith S, Conley DB, Chandra RK, Kern RC, Leung R: Effect of Symptom-Based Risk Stratification on the Costs of Managing Patients with Chronic Rhinosinusitis Symptoms. 3(11); 933-940. 2013.

Zhao X, Grewal A, Briel M, Lee JM: A Systematic Review of Nonabsorbable, Absorbable, and Steroid-Impregnated Spacers Following Endoscopic Sinus Surgery. 3(11):896-904. 2013 November.

International Journal of Cancer

Kaur J, Kak I, Srivastava G, Assi J, Matta A, Wu YY, Leong I, Witterick I, Colgan TJ, MacMillan C, Briollais L, Siu K W M, Ralhan R: Molecular Signature for Predicting Risk of Cancer Development in Oral Lesions with Dysplasia. 134(6):1379-88. 2014 March.

International Journal of Otolaryngology

Papsin E, Harrison AL, Carraro M, Harrison RV: Contralateral Ear Occlusion for Improving the Reliability of Otoacoustic Emission Screening Tests. Epub 2014:248187.

International Journal of Pediatric Otorhinolaryngology

Kanotra SP, Propst EJ, Campisi P, Fisher JA, Forte V: Quantitative Assessment of Pulmonary Aspiration: A novel porcine model. 77(12):2014-18. 2013 December.

Sklar MC, Narang I, Ngan B-Y, Propst EJ: A Solitary Tonsil Can Cause Severe Obstructive Sleep Apnea. 77(7):1212-14. 2013 July.

International Journal of Radiation Oncology, Biology, Physics

Huang S-H, O'Sullivan B, Xu W, Zhao H, Chen D-D, Ringash J, Hope A, Razak A, Gilbert R, Irish JC, Kim J, Dawson LA, Bayley A, Cho BCJ, Goldstein D, Gullane PJ, Yu E, Perez-Ordóñez B, Weinreb I, Waldron J: Temporal Nodal Regression and Regional Control after Primary Radiation Therapy for N2-N3 Head-and-Neck Cancer Stratified by HPV Status. 87(5):1078-85. 2013 December.

Mok G, Gauthier I, Jiang H, Huang SH, Chan K, Witterick IJ, O'Sullivan B, Waldron JN, Bayley AJ, Cho JB, Cummings BJ, Dawson LA, Hope AJ, Kim JJ, Ringash J: Outcome of IMRT for Hypopharyngeal Cancer Compared to Conventional Radiotherapy. 2014 March. [Epub ahead of print].

International Journal of Speech-Language Pathology

Martino R, Maki E, Diamant N: Identification of Dysphagia Using the Toronto Bedside Swallowing Screening Test (TOR-BSST®): Are ten teaspoons of water necessary? 16(3):193-8. 2014.

ISRN Otolaryngology

Carraro M, Negandhi J, Kuthubutheen J, Propst EJ, Kus L, Lin VY, Harrison RV: Attenuating Cardiac Pulsations Within the Cochlea: Structure and function of tortuous vessels feeding stria vascularis. 2013:941757. 2013.

Clinkard D, Amoodi H, Kandasamy T, Grewal AS, Chen S, Qian W, Chen JM, Harrison RV, Lin VY: Changes in the Cochlear Vasculature and Vascular Endothelial Growth Factor and its Receptors in the Aging C57 Mouse Cochlea. 227; 2013 June.

JAMA Facial Plastic Surgery

Alexander A, Shah AR, Constantinides MS: Alar Retraction: Etiology, Treatment and Prevention. 25: 1-6. 2013 April.

Zimm JA, Modabber M, Fernandes V, Karimi K, Adamson PA: Objective Assessment of Perceived Age Reversal and Improvement in Attractiveness after Aging Face Surgery. 15(6): 405-10. 2013.

JAMA Journal of Otolaryngology-Head and Neck Surgery

Eskander A, Gordon KA, Tirado Y, Hopyan T, Russell L, Allegro J, Papsin BC, Campisi P: Normal-like Motor Speech Parameters Measured in Children with Long-term Cochlear Implant Experience Using a Novel Objective Analytic Technique. 2014 February.



Journal of Allergy and Clinical Immunology

Sharfe N, Nahum A, Newell A, Dadi H, Ngan B, Pereira SL, Herbrick JA, Roifman CM: Fatal Combined Immunodeficiency Associated with Heterozygous Mutation in STAT1. 2014 March;133 (3):807-17. Epub 2013 November.

Journal of American Association for Pediatric Ophthalmology

Le TD, Liu ES, Adatia FA, Buncic JR, Blaser S: The Effect of Adding Orbital Computed Tomography Findings to the Chandler Criteria for Classifying Pediatric Orbital Cellulitis in Predicting which Patients will Require Surgical Intervention. 18(3):271-7. 2014 June.

Journal of American Association for Pediatric Ophthalmology Strabismus

Kirwan C, Ngan B, Halliday W, Alexander S, Ali A: Primary Conjunctival Anaplastic Large Cell Lymphoma in a Child. 17(4):437-439. 2013 August.

Journal of the Canadian Dental Association

Marchese N, Witterick I, Freeman BV: Symptoms Resembling Temporomandibular Joint Disorder Caused by a Pleomorphic Adenoma. 2013; 79:d15.

Journal of Child Neurology

Yiu E, Laughlin S, Verhey L, Banwell B: Clinical and Magnetic Resonance Imaging Distinctions Between Tumefactive Demyelination and Brain Tumors in Children. 29(5):654-65. 2014 May.

Journal of Clinical Neuroscience

Khan OH, Krischek B, Holliman D, Klironomos G, Kucharczyk W, Vescan A, Gentili F, Zadeh G: Pure Endoscopic Expanded Endonasal Approach for Olfactory Groove and Tuberculum Sellae Meningiomas. 21(6):1379-88. 2014 March.

Journal of Clinical Oncology

Eng L, Su J, Qiu X, Palepu PR, Hon H, Fadhel E, Harland L, La Delfa A, Habbous S, Kashigar A, Cuffe S, Shepherd FA, Leighl NB, Pierre AF, Selby P, Goldstein DP, Xu W, Liu G: Second-Hand Smoke as a Predictor of Smoking Cessation Among Lung Cancer Survivors. 32(6):564-70. 2014 February.

Zhong T, Fernandes KA, Saskin R, Sutradhar R, Platt J, Beber BA, Novak CB, Hofer SO, Irish J, Baxter NA: Barriers to Immediate Breast Reconstruction in the Canadian Universal Healthcare System. 32(20):2133-41. 2014 July.

Journal of Communication Disorders

Flowers HL, Silver FL, Fang J, Rochon E, Martino R: The Incidence, Co-occurrence and Predictors of Dysphagia, Dysarthria and Aphasia after First-Ever Acute Ischemic Stroke. 46: 238-248. 2013.

Journal of International Advanced Otology

Lee A, Connor S, Tysome J, Fitzgerald O'Connor A, Jiang D: Radiological Dehiscence of the Mastoid Portion of the Facial Nerve after Posterior Tympanotomy: Does It Lead to Increased Risk of Nerve Injury? 10:44-47. 2014.

Journal of the International Neuropsychological Society

Scantlebury N, Cunningham T, Dockstader C, Laughlin S, Gaetz W, Dickson J, Mabbot D: Relations Between White Matter Maturation and Reaction Time in Childhood. 20(1):99-112. 2014 January.

Journal of Laryngology and Otology

Leong AC, Pothier DD, Rutka JA: Oral Mycostatin as a Possible Alternative Treatment for Intractable Ménière's Disease: Preliminary cohort study. 128(4):379-80. 2014 April.

Journal of Magnetic Resonance Imaging

Macgowan C, Chan K, Laughlin S, Marrie R, Banwell B: Cerebral Arterial and Venous Blood Flow in Adolescent Multiple Sclerosis Patients and Age-Matched Controls Using Phase Contrast MRI. 40(2):341-47. 2014 August.

Journal of Neuroscience

Shi F, Lingxiang H, Jacques B, Mulvaney J, Dabdoub A, Edge AS: β -catenin is Required for Hair Cell Differentiation in the Cochlea. 34:6470-6479. 2014.

Journal of Neurological Surgery, Part A: Central European Neurosurgery

Krischek B, Vescan A, Zweifel C, Zadeh G, Gentili F: Endonasal Endoscopic Release of a Delayed Tension Pneumocephalus after Craniofacial Resection of a Tumor of the Anterior Skull Base. 74(SUPP.1):e271-4. 2013 December.

Journal of Oncology Practice

Srigley J, Lankshear S, Brierley J, McGowan T, Divaris D, Yurcan M, Rossi R, Yardley T, King MJ, Ross J, Irish JC, McLeod R, Sawka C: Closing the Quality Loop: Facilitating improvement in oncology practice through timely access to clinical performance indicators. 9(5);e255-61. 2013 September.

Journal of Otolaryngology-Head Neck Surgery

Fernandes VT, Lin V: Development of an Ototoxicity Model in the Adult CBA/CaJ Mouse and Determination of a Golden Window of Corticosteroid Intervention for Otoprotection. 43(April):12. 2014 April.

Gevorgyan A, Wong K, Poon I, Blanas N, Enepekides DJ, Higgins KM: Osteoradionecrosis of the Mandible: A case series at a single institution. 42:26. 2013 September.

Goldfarb J, Gupta V, Sampson H, Chiodo A: Resource Development in Otolaryngology-Head and Neck Surgery: An analysis on patient education resource development. 43(1):27. 2014.

Grewal A, Nedzelski JM, Chen JM, Lin VYW: Dexamethasone Uptake in the Murine Organ of Corti with Transtympanic versus Systemic Administration. 27;42(1):19. 2013 February.

Hall S, Irish J, Groome P, Urbach D: Practice Patterns in the Management of Patients with Differentiated Thyroid Cancer in Ontario Canada 2000-2008. 43:29. 2014 July.

Jozaghi Y, Richardson K, Anand S, Mlynarek A, Hier MP, Forest VI, Sela E, Tamilia M, Caglar D, Payne RJ: Frozen Section Analysis and Sentinel Lymph Node Biopsy in Well Differentiated Thyroid Cancer. 11;42(1):48. 2013.

Kus LH, Negandhi J, Sklar MH, Eskander A, Estrada M, Harrison RV, Campisi P, Forte V, Propst EJ: Corrosion Casting of the Subglottis Following Endotracheal Tube Intubation Injury: A pilot study in yorkshire piglets. 42:52. 2013 October.

Konomi U, Kanotra S, James AL, Harrison RV: Age Related Changes to the Dynamics of Contralateral DPOAE Suppression in Human Subjects. 2014;43(1):15. 2014 June.

Konomi U, Harrison RV, Kanotra S, James AL: Aging Effect of Contralateral DPOAE Suppression Dynamics in Normal Hearing Human. 16;43(1):15. 2014.

Wilson L, Enepekides D, Higgins KM: Management of Oropharyngeal Cancer: A cross-sectional review of institutional practice at a large Canadian referral centre. 43:19. 2014 June.

Yip J, Macdonald KI, Lee J, Witterick IJ, Zadeh G, Gentili F, Vescan AD: The Inferior Turbinate Flap in Skull Base Reconstruction. 42(1):6. 2013.

Journal of Otolaryngology & Rhinology

Crowson M, Higgins KM, Yeung R, Raphael S, Lin VYW: Primary Angiosarcoma of the Temporal Bone in a 55 year old Male with Audiovestibular Symptoms. 2:4. 2013 October.

Journal of Oncology Practice

Gilbert J, Irish J, Kaan M, Dobranowski J, Srigley J, Friedman A, Dobrow MJ: Creation of a Diagnostic Wait Times Measurement Framework Based on Evidence and Consensus. 2014 July.

Journal of Physiology

Grande G, Negandhi J, Harrison RV, Wang L-W: Remodeling at the Calyx of Held-MNTB Synapse in Mice Developing with Unilateral Conductive Hearing Loss. 592(7):1581-600. 2014.

Journal of Reconstructive Microsurgery

Yla-Kotola TM, Bartlett E, Goldstein DP, Armstrong K, Gilbert RW, Hofer SO: Union and Bone Resorption of Free Fibular Flaps in Mandibular Reconstruction. 29(7):427-32.

Journal of Surgical Education

Yao CM, Fernandes VT, Palmer JN, Lee JM: Educational Value of a Preoperative CT Sinus Checklist: A resident's perspective. 70(5):585-7. 2013 September.

Journal of Surgical Oncology

Misra S, Meiyappan S, Heus L, Freeman J, Rotstein L, Brierley JD, Tsang RW, Rodin G, Ezzat S, Goldstein DP, Sawka AM: Patients' Experiences Following Local-Regional Recurrence of Thyroid Cancer: A qualitative study. 108(1):47-51. 2013 July.

Journal of Visualized Experiments

Mulvaney JF, Dabdoub A: Long-term Time Lapse Imaging of Mouse Cochlear Explants. In Press.



Journal of Voice

Anderson J: Pitch Elevation in Transgendered Patients-Anterior Glottic Web Formation Assisted by Temporary Injection Augmentation. 28(6):816-21. 2014 November.

Laryngoscope

Anderson J, Wolter NE: Polysomnography: Assessment of Decannulation Readiness in Chronic Upper Airway Obstruction. 124(11):2574-8. 2014 November.

Arnoldner C, Mick P, Pirouzmand F, Houlden D, Lin V, Nedzelski JM, Chen JM: Facial Nerve Prognostication in Vestibular Schwannoma Surgery: The concept of percent maximum and its predictability. 123(10):2533-38. 2013 October.

Arnoldner C, Lin VY, Honeder C, Shipp D, Nedzelski J, Chen J: Ten-year Health-Related Quality of Life in Cochlear Implant Recipients: Prospective SF-36 data with SF-6D conversion. 124(1):278-82. 2014 January.

Arora R, Amoodi H, Stewart S, Friesen L, Lin VYW, Nedzelski JM, Chen JM: The Addition of a CROS Microphone to a Unilateral CI System: A Prospective Study in Speech Outcomes. 123(3):746-51. 2013 March.

Chen J, 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. 124(6):1452-58. 2014 June.

Davies J, Djelic L, Campisi P, Forte V, Chiodo A: Otoscopy Simulation Training in a Classroom Setting: A novel approach to teaching otoscopy to medical students. 124(11):2594-7. 2014 November.

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. 124(9):2096-2102. 2014 September.

Dixon BJ, Daly MJ, Chan H, Vescan A, Witterick I, Irish, JC: Augmented Real-Time Navigation with Critical Structure Proximity Alerts for Endoscopic Skull Base Surgery. 124(4):853-59. 2014 April.

Dixon PR, Alsaffar H, Symons S, Enepekides D, Higgins KM: Neoplastic Meningitis Presenting with Dysphagia and Bilateral Vocal Cord Paralysis. 124(8):1912-14. 2014 August.

Erovc BM, Daly MJ, Chan HH, James AL, Papsin BC, Pothier D, Dixon B, Irish JC: Evaluation of Interoperative Cone Beam Computed Tomography and Optical Drill Tracking in Temporal Bone Surgery. 123(11): 2823-8. 2013 November.

Eskander A, Givi B, Gullane PJ, Irish JC, Brown DH, Gilbert RW, Hope A, Weinreb I, Xu W, Goldstein DP: Outcome Predictors in Squamous Cell Carcinoma of the Maxillary Alveolus and Hard Palate. 123(10):2453-58. 2013 November.

Eskander A, Irish J, Groome PA, Freeman JL, Gullane P, Gilbert R, Hall SF, Urbach D, Goldstein DP: Volume-Outcome Relationships for Head and Neck Cancer Surgery in a Universal Health Care System. 124(9):2081-88. 2014 September.

Eskander A, Devins G, Freeman J, Wei A, Rotstein L, Chauhan N, Sawka A, Brown D, Irish J, Gilbert R, Gullane P, Higgins K, Enepekides D, Goldstein D: How Long is Too Long? Patients' Opinions and Satisfaction with Their Wait for Thyroid Surgery. 123(2):541-7. 2013 February.

Forzley B, Chen J, Nedzelski J, Lin VYW, Shipp D, Godlovitch G, Hebert P, Hochman J: Bilateral Sequential Adult Cochlear Implantation: Who should receive priority in the context of a constrained health care system? 123(12):3137-40. 2013 December.

Gevorgyan A, Nedzelski JM: A Late Recognition of Tapia Syndrome: A case report and literature review. 123(10):2423-27. 2013 October.

Grewal AS, Kuthubutheen J, Smilsky K, Nedzelski J, Chen J, Friesen L, Lin VYW: The Role of a New Contralateral Routing of Signal (CROS) Microphone in Unilateral Cochlear Implant Users. 2014 September. Epub ahead of print.

Haerle SK, Daly MJ, Chan HH, Vescan A, Kucharczyk W, Irish JC: Virtual Surgical Planning in Endoscopic Skull Base Surgery. 123(12):2935-9. 2013 December.

Haerle SK, Shiao C, Goldstein DP, Qiu X, Erovc BM, Ghazarian D, Xu W, Irish JC: Merkel Cell Carcinoma of the Head and Neck: Potential histopathologic predictors. 123(12):3043-48. 2013 December.

Hochman J, Chen JM, Nedzelski JM, Lin VYW, Godlovitch G, Hebert P, Shipp D, Forzley B: Bilateral Sequential Implantation in Adults: Who Should Receive Priority in the Context of a Constrained Health Care System? 123(12):3137-40. 2013 December.

Kanotra SP, Propst EJ, Luginbuehl I, Campisi P, Fisher JA, Forte V: Assessment of Aspiration Risk from Dynamic Modulation of Endotracheal Tube Cuff Pressure to Reduce Tracheal Mucosal Trauma. 124(6):1415-19. 2014 June.

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. [Epub ahead of print]. 2014 January.

Monteiro E, Eskander A, Shrimme M, Gullane PJ, Irish JC, Gilbert R, Brown DH, Higgins K, Enepekides D, Goldstein DP: Assessment of the Clavien-Dindo Classification System for Complications in Head and Neck Surgery. 2014 June. Accepted / In Press.

Monteiro E, Sklar M, Eskander A, de Almedia JR, Shrimme M, Gullane P, Irish J, Gilbert R, Brown D, Higgins K, Enepekides D, Goldstein D: Complications in Head and Neck Surgery: A novel method for collecting and grading surgical complications. Accepted / In Press.

Osborn AJ, Chami R, Propst EJ, Luginbuehl I, Taylor G, Fisher JA, Forte V: A Simple Mechanical Device Reduces Subglottic Injury in Ventilated Animals. 123(11):2742-48. 2013 November.

Propst EJ, Ngan BY, Mount RJ, Martin-Munoz D, Blaser S, Harrison RV, Cushing SL, Papsin BC: Ossicular Fusion and Cholesteatoma in Auriculo-Condylar Syndrome: In vivo evidence of arrest of embryogenesis. 123:528-32. 2013.

Thiel G, Rutka JA, Pothier DD: The Behavior of Mastoidectomy Cavities Following Modified Radical Mastoidectomy. 2014 January [ePub ahead of print].

Wilson L, Czarnota G, Higgins KM: Use of Elastography to Quantify Lymphedema of the Head and Neck. 2013 August.

Lymphosign

Ngan B, Merico D, Marcus N, Kim V, Upton J, Herbrick J, Nalpathamkalam T, Thiruvahindrapuram B, Cox, P, Roifman C: Mutations in Tetratricopeptide Repeat Domain 7A (TTC7A) are Associated with Combined Immunodeficiency with Dendriiform Lung Ossification but no Intestinal Atresia. 2014 March. In press.

Military Medicine

Abel SM, Ho G, Nakashima A, Smith I: Strategies to Combat Auditory Overload During Vehicular Command and Control. 2014. In Press.

Molecular and Cellular Proteomics

Sepiashvili L, Waggott D, Hui A, Shi W, Su S, Ignatchenko A, Ignatchenko V, Laureano M, Huang SH, Xu W, Weinreb I, Waldron J, O'Sullivan B, Irish JC, Boutros PC, Liu F-F, Kislinger T: Integrated Omic Analysis of Oropharyngeal Carcinomas Reveals HPV-dependent Regulation of the AP-1 Pathway. 2014 September. Epub ahead of print.

Neuron

Ruzzo EK, Capo-Chichi JM, Ben-Zeev B, Chitayat D, Mao H, Pappas AL, Hitomi Y, Lu YF, Yao X, Hamdan FF, Pelak K, Reznik-Wolf H, Bar-Joseph I, Oz-Levi D, Lev D, Lerman-Sagie T, Leshinsky-Silver E, Anikster Y, Ben-Asher E, Olender T, Colleaux L, Décarie JC, Blaser S, Banwell B, Joshi RB, He XP, Patry L, Silver RJ, Dobrzeniecka S, Islam MS, Hasnat A, Samuels ME, Aryal DK, Rodriguiz RM, Jiang YH, Wetsel WC, McNamara JO, Rouleau GA, Silver DL, Lancet D, Pras E, Mitchell GA, Michaud JL, Goldstein DB: Deficiency of Asparagine Synthetase Causes Congenital Microcephaly and a Progressive Form of Encephalopathy. 80(2):429-41. 2013 October.

Neurology

Makhani N, Ngan B, Kamath B, Yeh EA: Glatiramer Acetate-Induced Acute Hepatotoxicity in an Adolescent with Multiple Sclerosis. 81(9):850-852. 2013 August.

Neuro-Oncology

Mabbott D, Scantlebury N, Liu F, Tabori U, Bouffett E, Laughlin S, Strother D, McConnell D, Hukin J, Fryer C, Montour-Proulx I, Keene D, Wang F, Eve M: White Matter Compromise Predicts Poor Intellectual Outcome in Survivors of Pediatric Low-Grade Glioma Neuro-Oncology. Epub ahead of print. 2014 November.

Neuroradiology

Whyte HE, Blaser S: Limitations of Routine Neuroimaging in Predicting Outcomes of Preterm Infants. 55 Suppl 2:3-11. 2013 September.

Neuroscience

Nishimura K, Weichert RM, Liu W, Davis RL, Dabdoub A: Generation of Induced Neurons by Direct Reprogramming in the Mammalian Cochlea. 275:125-35. 2014 September.



Neurosurgical Clinics of North America

Haerle SK, Gullane PJ, Witterick IJ, Zweifel C, Gentili F: Sinonasal Carcinomas: Epidemiology, pathology, and management. 24(1): 39-49. 2013.

Open Access Surgery Journal

Mohan N, Kamdar D, Wright F, Enepekides D, Higgins KM: The Use of the Pectoralis Major Flap Elevation Approach to Level 3 Axillary Tumours. 2013(6):33-36. 2013 September.

Operations Research for Health Care

Prisman E, Prisman EZ, Freeman J: Intraoperative Risk Management of Hyperparathyroidism: Modeling and testing the parathyroid hormone's evolution as a mean reverting stochastic processes. 3(1):7-14. 2014 March.

Oral Oncology

Dhepnorrrarat RC, Witterick IJ: New Technologies in Thyroid Cancer Surgery. 49(7):659-64. 2013 July.

Magarey MJR, Freeman JL: Recurrent Well-Differentiated Thyroid Carcinoma. 49(7):689-94; 2013 July.

Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology

McCord C, Xu J, Xu W, Qiu X, Muhanna N, Irish J, Leong I, McComb RJ, Perez-Ordóñez B, Bradley G: Association of Human Papilloma Virus with Atypical and Malignant Oral Papillary Lesions. 117(6):722-32. 2014 June.

Otolaryngologic Clinics of North America

Shaw SM, Martino R: The Normal Swallow: Muscular and neurophysiological control. 46:937-956. 2013.

Otology and Neurotology

Gordon KA, Papsin BC: From Nucleus 24 to 513: Changing cochlear implant design affects auditory response thresholds. 34(3): 436-42. 2013.

Crowson MG, Symons SP, Chen JM: Left Cerebellopontine Angle Lipoma with Mild Brainstem Compression in a 13-Year-Old Female. 34(5):e34-e35. 2013 July.

Cushing SL, Gordon KA, Rutka JA, James AL, Papsin BC: Vestibular End-Organ Dysfunction in Children with Sensorineural Hearing Loss and Cochlear Implants: An expanded cohort and etiologic assessment. 34(3): 422-428. 2013.

Mick P, Amoodi H, Shipp D, Friesen L, Symons S, Lin VYW, Nedzelski J, Chen J: Hearing Preservation with Full Insertion of the FLEXsoft Electrode. 35(1):340-344. 2014 January.

Ou H, Lin VYW, Rubel EW: A Simplified, Atraumatic Technique for In-situ Cultures of the Mouse Utricle. 34(2):353-9. 2013 February.

Wong MC, Shipp DB, Nedzelski JM, Chen JM, Lin VYW: Cochlear Implantation in Patients with Chronic Suppurative Otitis Media. 35(5):810-14. 2014 June.

Otolaryngology-Head and Neck Surgery

Erovc BM, Chan HHL, Daly MJ, Pothier DD, Yu E, Coulson C, Lai P, Irish JC: Intraoperative Cone-Beam Computed Tomography and Multi-Slice Computed Tomography in Temporal Bone Imaging for Surgical Treatment. 150(1):107-14. 2014 January.

Ng R, Ngan R, Wei W, Gullane P, Phillips J: Trans-Oral Brush Biopsies and Quantitative PCR for EBV DNA Detection and Screening of Nasopharyngeal Carcinoma. 150(4):602-9. 2014 April.

Shingal T, Low A, Russell L, Wong A, Shah M, Propst EJ, Forte V, Merdad M, Grewal A, Eskander A, Campisi P: High Speed Video or Video Stroboscopy in Children: Which sheds more light? 2014 September. Epub ahead of print.

Pediatrics

Hugh SC, Wolter NE, Propst EJ, Gordon KA, Cushing SL, Papsin BC: Infant Sleep Machines and Hazardous Sound Pressure Levels. 133(4):677-81. 2014 April.

Jain-Ghai S, Mishra N, Hahn C, Blaser S: Fetal Onset Ventriculomegaly and Subependymal Cysts in a Pyridoxine Dependent Epilepsy Patient. 133(4):461-e1092-06. 2014 April.

Pediatric and Developmental Pathology

Malowany JI, Merritt NH, Chan NG, Ngan B: Nested Stromal Epithelial Tumor of the Liver in Beckwith-Wiedemann Syndrome. 16(4):312-317. 2013 April.



Pediatric Dentistry

Rukavina J, Propst E, Ngan B, Nainar SMH: Cervical Lymphadenopathy in Young Children: Case report of nontuberculous mycobacterial infection. 36(5):417-21. 2014 January.

Pediatric Neurology

Kava M, Chitayat D, Blaser S, Ray PN, Vajsaar J: Eye and Brain Abnormalities in Congenital Muscular Dystrophies Caused by Fukutin-Related Protein Gene (FKRP) Mutations. 49(5):374-8. 2013 November.

Pediatric Radiology

Al-Maawali A, Miller E, Schulze A, Yoon G, Blaser S: Subcutaneous Fat Pads on Body MRI: An early sign of congenital disorder of glycosylation PMM2-CDG (CDG1a). 44(2):222-5. 2014 February.

Philpott CM, Widjaja E, Raybaud C, Branson HM, Kannu P, Blaser S: Temporal and Occipital Lobe Features in Children with Hypochondroplasia/FGFR3 Gene Mutation. 43(9):1190-5. 2013 September.

PLoS ONE

Hasan MR, Sharma R, Saraya A, Chattopadhyay TK, Dattagupta S, Chauhan SS, Ralhan R: Slug is a Predictor of Poor Prognosis in Esophageal Squamous Cell Carcinoma Patients. 8(12):e82846. 2013 December.

Assi J, Srivastava G, Matta A, Chang MC, Walfish PG, Ralhan R: Transglutaminase 2 Overexpression in Tumor Stroma Identifies Invasive Ductal Carcinomas of Breast at High Risk of Recurrence. 8(9):e74437. 2013 September.

Prenatal Diagnosis

Osborn AJ, Baud D, Macarthur AJ, Propst EJ, Forte V, Blaser SM, Windrim R, Seaward G, Keunen J, Shah P, Ryan G, Campisi P: Multidisciplinary Perinatal Management of the Compromised Airway on Placental Support: Lessons learned. 33(11):1080-87. 2013 November.

Osborn AJ, Baud D, Macarthur AJ, Propst EJ, Forte V, Blaser S, Windrim R, Seaward G, Keunen J, Shah P, Ryan G, Campisi P: Multidisciplinary Perinatal Management of the Compromised Airway on Placental Support: Lessons learned. 18:1-8. 2013 July.

Windrim R, Ryan G, LeBouthillier F, Campisi P, Kelly E, Baud D, Yoo SJ, Deprest J: Development and Use of a High-Fidelity Simulator to Achieve Surgical and Team Competence with a New Perinatal Procedure: Endotracheal balloon occlusion and removal. 34:180-184. 2014.

Psychology and Health

Lebel S, Feldstain A, McCallum M, Beattie S, Irish J, Bezjak A, Devins GM: Do Behavioural Self-Blame and Stigma Predict Positive Health Changes in Survivors of Lung or Head and Neck Cancers? 28(9):1066-81. 2013 September.

Radiation Oncology

Vulpe H, Giuliani M, Goldstein D, Perez-Ordóñez B, Dawson LA, Hope A: Long-Term Control of a Maxillary Sinus Mucoepidermoid Carcinoma with Low Dose Radiation Therapy: A case report. 8(1):251. 2013 October.

Scientific World Journal

Rachmiel M, Blaser S, Widjaja E, Rovet J: Children with Congenital Hypothyroidism Have Similar Neuroradiological Abnormal Findings as Healthy Ones. 2013:194918. 2013 October.

Surgical Endoscopy

Dixon BJ, Daly MJ, Chan H, Vescan A, Witterick IJ, Irish JC: Surgeons Blinded by Enhanced Navigation: The effect of augmented reality on attention. 27(2):454-61. 2013.

The American Journal of Geriatric Psychiatry

Gerretsen P, Remington G, Quilty LC, Borlido C, Hassan S, Polsinelli G, Teo C, Mar W, Simon R, Pothier DD, Menon M, Nakajima S, Caravaggio F, Mamo DC, Rajji TK, Mulsant B, Deluca V, Ganguli R, Pollock BG, Graff-Guerrero A: The VAGUS-Self-Report & Clinician-Rated Versions: A novel insight into psychosis scale for use across the adult late-life span. 22:S93-S94. 2014.

Therapeutic Drug Monitoring

Zakova M, Pong S, Trope A, Atenafu E, Eshestu G, Papaioannou V, Bitnun S, Richardson S, Schwartz S, Cox P, Parshuram C, Seto W: Dose Derivation of Once-Daily Dosing (ODD) Guidelines for Gentamicin in Critically Ill Pediatric Patients. 36(3):288-294. 2014 June.



Thyroid

Eskander A, Merdad M, Freeman JL, Witterick I: Pattern of Spread to the Lateral Neck in Metastatic Well Differentiated Thyroid Cancer: A systematic review and meta-analysis. 23(5):583-02. 2013.

OTHER

(i.e. Editorials, Media News Articles)

ADAMSON PA

Nasal Tip Suture Techniques, Videography by San Diego Biomedical Communications. For Open Rhinoplasty Chapter, Facial Plastic and Reconstructive Surgery, 4th ed. Papel, pub. Thieme. Submitted 20 March.

Cosmetic Otoplasty. Videography by MediMedia, Toronto and Biomedical Communications, San Diego. For Otoplasty Chapter, Cummings Otolaryngology-Head and Neck Surgery, 6th ed., ed. Cummings, pub. Mosby. Submitted 2014 March.

HIGGINS KM

Global TV: The Rising HPV Associated-Malignancy Epidemic. Canada. 2013 August.

MARTINO R

Intensive Speech-Language Pathology Intervention Study. Head and Neck Cancer Survivorship Program, Inaugural Report. 2014:6. Princess Margaret Cancer Centre. Acknowledged in Publication (Not Author).

NG R

Press Release: Joint Study on a Trans-oral NP Brush Biopsy for Early Detection of Nasopharyngeal Cancer, Nasopharyngeal Cancer & Early Detection Technology. HKU, University of Toronto and Queen Elizabeth Hospital. Pokfulam, Hong Kong. 2014 March.

AM 1430 Radio Station: Partnership with Hong Fook Mental Health Association & HF Connecting Health Nurse Practitioner-Led Clinic. Nasopharyngeal Cancer & Early Detection Technology. 2014 August 17.

PAPSIN BC

Editorial. Zyfter W, Papsin BC: Early Intervention for Hearing Impaired Children. Audiology & Neurotology. 18 (sup. 1): pp 1-2. 2013 December.

PROCEEDINGS OF CONFERENCES

Carraro M, Harrison RV: Structural (Corrosion-Cast) Analysis of Cochlear Blood Vessels in a Mouse Model of Age Related Hearing Loss. Abstracts (PS-340) of the Mid-Winter Meeting Association for Research in Otolaryngology (ARO), San Diego, CA. 2014.

James AL: Implantable Hearing Aids: Candidacy considerations in pediatric cholesteatoma. 9th International Conference on Cholesteatoma and Ear Surgery – An Update. pp 293-6. 2013.

James AL: The Effect of Tympanostomy Tubes on Tympanic Membrane Retraction in Children with Cleft Palate. 9th International Conference on Cholesteatoma and Ear Surgery – An Update. pp. 309-12. 2013.

James AL: Approaches to Cholesteatoma with an Intact Ossicular Chain: Combined use of microscope, endoscope and laser. 9th International Conference on Cholesteatoma and Ear Surgery – An Update. pp 333-6. 2013.

Kandasamy T, Papsin BC, Cushing SL, James AL. Effectiveness of Cartilage Tympanoplasty after Erosion of the Incus in Children with Cholesteatoma. Cholesteatoma and Ear Surgery – An Update. pp 459-62. 2013.

Kaur J, Matta A, Kak I, Srivastava G, Assi J, Leong Witterick I, Colgan TJ, MacMillan C, Siu KWM, Mock D, Ralhan R: Molecular Signature for Predicting Risk of Cancer Development in Oral Lesions with Dysplasia. Annual Conference of the Academy of Oral and Maxillofacial Pathology (AAOMP) 2014.

Assi J, Srivastava G, Matta A, Chang MC, Ralhan R, Walfish PG: Transglutaminase II Expression in Invasive Ductal Carcinomas. Breast Cancer Symposium 2013. J Clin Oncol 31, 2013 (suppl 26; abstr 34).

NON-PEER REVIEWED

Adamson PA: Rejuvenation Surgeries Effective at Making Patients Appear Younger, by Emily Innes. The Chronicle of Medicine and Surgery. 2013 December.

Fung MFK, Kennedy EB, Biagi J, Colgan T, D'Souza D, Elit LM, Hunter A, Irish J, McLeod R, Rosen B: Organizational Guideline for Gynecologic Oncology Services in Ontario. 2013 October.

Fung MFK, Kennedy EB, Biagi J, Colgan T, D'Souza D, Elit LM, Hunter A, Irish J, McLeod R, Rosen B: Systematic Review on the Organization for Gynecologic Oncology Services. 2013 October.

Hussein M, Gooden E, Propst EJ, Ngo K, et al: Guidelines for Tonsillectomy: Ontario provincial guidelines. 2013.

Latino GA, Brown D, Glazier R, Weyman JT, Faughnan ME: Targeting Under-Diagnosis in HHT: A model approach for rare diseases? Journal of Rare Diseases. 2014 April.

Osman H, Friesen LM, Fujioka T, Bartel L, Chen J: How Adult Cochlear Implant Recipients Listen to Music? Enjoyment, Perception, and Rehabilitation. Ear Hear. Submitted.

Rutka J: Anti-infective Guideline for Community Acquired Infection. Ontario Anti-infective Review Panel, Toronto Canada Otolaryngology Section. 8th Edition. 2013.

VISITING PROFESSORSHIPS & INVITED LECTURES

INTERNATIONAL MEETINGS

ARGENTINA

POTHIER DD

Invited Lecturer:

Bilateral High Velocity Vestibular Loss: Vestibular Rehabilitation Treatment Outcomes (with Sulway SS).

Inconsistencies in Caloric Testing: Time for a rethink?

Catastrophization in Dizziness. Have we found the missing link? (with Gerretsen P, Ilan O).

A Structured Monitoring Program for Gentamicin Vestibulotoxicity (with Dillon WA, Wuesthoff C).

Cerebellar Ataxia with Bilateral Vestibulopathy: Treatment options (with Sulway SS).

Automated Computerized Dynamic Visual Acuity Testing: Validation of a new medical device.

Bárány Society Meeting. Buenos Aires, Argentina. 2014 June.

AUSTRALIA

MARTINO R

Invited Lecturer: Early Identification of Dysphagia in Stroke Patients: A review of the literature and the necessary steps to successful implementation. North Sydney and Central Coast Local Health District Area Professional Development Program for Speech Language Pathologists. Sydney, Australia. 2013 July.

BAHAMAS

ADAMSON P

Invited Lecturer: Surgical Management of the Aging Forehead, Upper and Lower Blepharoplasty, The Deep Plane Face and Neck Lift Third Biennial Caribbean Facial Plastic Surgery Update, Sponsored by AAFPRS and EAFPS, Nassau, Bahamas. 2014 March.

BELGIUM

PAPSIN BC

Invited Faculty:

Exciting New Advances in Pediatric Otology: The impact of new management on costs.

Awakening the Auditory System after Bilateral Cochlear Implantation in Children.

Royal Belgian Society for Ear, Nose and Throat. Head and Neck Surgery Annual Congress. Brussels, Belgium. 2013 November.

BRAZIL

CUSHING S

Invited Lecturer:

State of the Art in Aural Atresia Repair.

Management of Congenital Conductive Hearing Loss (Panel Member).

New Perspectives in Pediatric Cochlear Implantation.

Cochlear Implants in Children: Indications, Techniques and Outcomes (Panel Member).

Cochlear Implants: Ideal age, bilateral implants, hearing preservation (Facilitator).

Cochlear Implants: State of the Art 2013.

43rd Brazilian Congress of Otorhinolaryngology and Head Neck Surgery. Sao Paulo, Brazil. 2013 November.

PAPSIN BC

Invited Lecturer: Binaural Benefit and Hearing Preservation in Children with Cochlear Implants. Interamerican Association of Pediatric Otorhinolaryngology - IAPO 8th International Symposium on Pediatric ENT. Sao Paulo, Brazil. 2013 September. (via videoconference).

CANADA

(International Meetings in Canada)

ENEPEKIDES D

Invited Faculty: Surgery for Well Differentiated Thyroid Cancer (panelist). Second World Congress on Thyroid Cancer. Toronto, ON. 2013 July.



FREEMAN J

Faculty:

Thyroid Ultrasound Course.
Surgical Complexities and Controversies.
How I Do It Video Session.
Safe and Effective Revision Surgery.
Morning with the Masters (Moderator).
Central Compartment Re-Operation Video presentation.
The Superior Laryngeal Nerve.

Second World Congress on Thyroid Cancer. Toronto, ON. 2013 July.

GILBERT R

Invited Faculty: Management of the Airway in Locally Invasive Thyroid Cancer: When to preserve and when to resect (moderator). World Congress on Thyroid Cancer. Toronto, ON. 2013 July.

GOLDSTEIN D

Invited Faculty: Differentiated thyroid cancer follow-up: what tests, how often and for how long? Panel Member. 2nd World Congress on Thyroid Cancer. Toronto, ON. 2013 July.

GULLANE P

Invited Faculty: Locally Advanced and Aggressive Disease in the Neck (panelist). 2nd World Congress on Thyroid Cancer. 2013 July.

HIGGINS KM

Invited Lecturer: Video Session. 2nd World Congress on Thyroid Cancer. Toronto, ON. 2013 July.

IRISH JC

Invited Faculty: Initial Staging and Management of Medullary Thyroid Cancer (moderator). 2nd World Congress on Thyroid Cancer. Toronto, ON. 2013 July.

JAMES A

Instructor: Minimal Access Cochlear Implantation in Children: New Concepts. American Academy of Otolaryngology-Head and Neck Surgery Annual Meeting. Vancouver, BC. Presenter(s): James A, Papsin B. Instruction Course (Continuing Education). 2013 September.

Instructor: Top tips in Pediatric Tympanomastoid Surgery, American Academy of Otolaryngology-Head and Neck Surgery Annual Meeting. Vancouver, BC. Presenter(s): Papsin B, James A. Instruction Course (Continuing Education). 2013 September.

Facilitator. Endoscopes in Otology/Neurotology. American Neurotological Society 48th Annual Scientific Meeting. Vancouver, BC. With Djalilian H, Tarabichi M, Pothier D, Fritsch M. 2013 September.

PAPSIN BC

Invited Lecturer: Aw heck...What to do when you don't know what to do in cochlear implantation: Two case studies. ASPO Resident Education Conference. Vancouver General Hospital. Vancouver, BC. 2013 September.

WITTERICK I

Invited Lecturer. On the Cutting Edge: Translation to clinical problems and solutions. 59th Annual Meeting of the American Rhinologic Society. Vancouver, BC. With: Schlosser R (moderator) with Han J, Harvey R. 2013 September.

Invited Lecturer: Non-surgical Ablative Treatments for Thyroid Nodules and Thyroid Cancer (moderator). 2nd World Congress on Thyroid Cancer. Toronto, ON. With: Valcavi R, Mauri G, Fukunari N. 2013 July.

COSTA RICA

CUSHING S

Invited Lecturer: Balance Rehabilitation in Children with Hearing Loss. IX Congress of Interamerican de Otorrinolaringologia Pediatrica de la IAPO. San Jose, Costa Rica. 2014 April.

PAPSIN BC

Invited Faculty:

Pediatric Tympanoplasty: Incisions versus decisions.

Language Development in Children after Cochlear Implantation.

IX Congress of Interamerican de Otorrinolaringologia Pediatrica de la IAPO, San Jose, Costa Rica. 2014 April.

GERMANY

DABDOUB A

Invited Lecturer: Generating Induced Neurons from Cochlear Endogenous Cells to Replace Lost or Damaged Auditory Neurons in the Mammalian Inner Ear. 13th International Conference on Cochlear Implants Meeting. Munich, Germany. 2014 June.

GORDON KA

Invited Lecturer: A Fine Balance: The importance of restoring hearing to both ears in children who are deaf. GEERS Foundation. Berlin, Germany. 2014 February.

PAPSIN BC

Invited Faculty:

Early Cochlear Implantation in Infants and Children (panel moderator).

Bilateral Cochlear Implantation in Children: Effects on the vestibular system.

13th International Conference on Cochlear Implants and Other Implantable Auditory Technologies (CI2014). Munich, Germany. 2014 June.

HONG KONG

NG R

Invited Lecturer: Nasopharyngeal Cancer & Early Detection Technology. The Hong Kong College of Otorhinolaryngologists. Tsim Sha Tsui, Kowloon. 2014 March.

GULLANE P

Invited Lecturer: Creativity and Innovation in Head & Neck Surgery-Lessons learned-Imagine the future. Hong Kong College of Otorhinolaryngologists. Hong Kong. 2014 March.

INDIA

PAPSIN BC

Invited Faculty:

Using Cochlear Implants to Improve Postural Stability in Children.

Alternative Techniques: Hearing preservation in cochlear implants (round table).

Awakening the Auditory System: Bilateral implantation in children (plenary session).

Cochlear Implantation at the Edge of the Envelope.

Asia Pacific Symposium on Cochlear Implants and Related Sciences & Pre-Symposium CME day. Hyderabad, India. 2013 November.

IRELAND

CAMPISI P

Invited Lecturer:

Clinical Decision Making in the Drooling Child.

Pyiform Aperture Stenosis.

EXIT Procedures.

12th International Congress of the European Society of Pediatric Otorhinolaryngology. Dublin, Ireland. 2014 May.

PAPSIN BC

Invited Lecturer:

Ontario's Experience with Bilateral Sequential Cochlear Implantation.

Decision Making to Prevent Complication: Choice of electrode.

Cochlear Re-Implantation Disasters.

Radiological Imaging in Cochlear Implantation.

12 International Congress of the European Society of Pediatric Otolaryngology (ESPO). Dublin, Ireland. 2014 June.

ISRAEL

RUTKA J

Invited Lecturer. Medicolegal Ramifications of Mastoid Surgery. University of Tel Aviv, Asaf Harofa Hospital. Tel-Aviv, Israel. 2013 November.

Invited Lecturer. Otologic Curiosities and Medicolegal Ramifications of Mastoid Surgery. Ben-Gurion University of the Negev, Soroka Hospital. Israel. 2013 November.

ITALY

GILBERT R

Invited Lecturer: New Concepts in Mandibular Reconstruction. 49 Incontro di Aggiornamento Gruppo Romano Laziale di ORL e Chirurgia Cervico Facciale. Rieti, Italy. 2014 June.

Keynote Speaker: Innovations in Head and Neck Reconstruction. Università Cattolica del Sacro Cuore. Roma, Italy. 2014 June.

JAMES A

Invited Lecturer:

Moderator for demonstration live surgery session (facilitator).

What is the Role of the Endoscope for Ear Surgery in Children?

5th International Workshop on Endoscopic Ear Surgery. Modena, Italy. 2014 May.

JAPAN

CHEN J

Invited Lecturer: Cost Utility Analysis of Bilateral Cochlear Implantation. University of Kyoto. Kyoto, Japan. 2013 August.

JAMES A

Invited Lecturer:

Applications of Endoscopy in Pediatric Otolaryngology.

Moderator for demonstration live surgery session (facilitator).

3rd Endoscopic Ear Surgery Hands-on Seminar in Yamagata. Yamagata, Japan. 2014 June.

MARTINO R

Dysphagia Screening: The TOR-BSST®. Faculties of Dentistry and Medicine, Showa University. Tokyo, Japan. 2013 September.

Keynote Speaker: Dysphagia Screening and Assessment. Japanese Society of Dysphagia Rehabilitation, 19th Annual Meeting. Okayama, Japan. 2013 September.



The TOR-BSST® Dysphagia Screening Tool and a Web-Based Refresher. Faculty of Rehabilitation School of Health Sciences, Fujita Health University. Aichi [Aichi], Japan. 2013 September.

NGAN B

Convener/Speaker: Pediatric Lymphoma for the Surgical Pathologist: The smaller/younger the patient, the more you need to know about. 8th Asia Pacific International Academy of Pathology Congress. Korea. 2013 September.

KOREA

POTHIER DD

Invited Lecturer:

How To Start with Endoscopic Ear Surgery.

High Velocity Vestibular Loss: Emerging Treatments (with Sulway S).

Restoring Balance in Children Using Cochlear Implants? (with Cushing S, Hughes C, Papsin BC).

International Federation of Otorhinolaryngological Societies Annual Meeting (IFOS). Seoul, Korea. 2013 June.

KUWAIT

GILBERT R

Invited Lecturer: Surgical and Non-Surgical Management of Advanced Head and Neck Cancer. Grand Rounds Lecture. IHP Kuwait Cancer Centre. Kuwait. 2013 November.

MARTINO R

Invited Lecturer: A multidisciplinary approach to managing swallowing disorders. Kuwait Cancer Centre Medical Grand Rounds. Kuwait. With Fierini D, Giulliani M, Irish J. 2014 March.

MALAYSIA

RUTKA J

Keynote Speaker.

Medicolegal Ramifications in Mastoid Surgery.

Review of Treatment of Meniere's Disease over the Past Two Decades: What the literature has revealed.

New Insights, New Therapies and Practical Considerations in the Management of Meniere's Disease and BPPV.

Otologic Curiosities.

Management of Facial Nerve Schwannomas.

Introduction to the Vestibular System.

Central Causes of Vertigo.

Conservative Management of Vestibular Schwannomas - A prospective cohort 10 year study - University of Toronto.

Introduction to Safe CSOM, Cholesteatoma and Mastoid Operations and Complications of CSOM.

6th Asia Pacific Otolaryngology, Neurotology and Skull Base Conference 5th ASEAN Academy of Neurotology and Audiology. Malaysia. 2014 May.

NETHERLANDS

WITTERICK I

Invited Lecturer. Management of Anterior Cranial Base Meningoencephaloceles. 25th Congress of the European Rhinologic Society. Amsterdam, Netherlands. 2014 June.

NEW ZEALAND

IRISH JC

Invited Lecturer:

Guided Therapeutics: Implications for the Surgical Oncologist (keynote speaker).

Implementation of Organizational Standards in Head and Neck Cancer (keynote speaker).

Laryngology (panelist).

New Zealand Society of Otolaryngology-Head and Neck Surgery Annual Scientific Meeting. Mt. Ruapehu, New Zealand. 2013 August.

NORWAY

ADAMSON PA

Invited Keynote Speaker:

The Science of Beauty, Surgical Management of the Aging Forehead.

Management of the Disappointed Patient.

The M-Arch Model of Nasal Tip Dynamics.

European Academy of Facial Plastic and Reconstructive Surgery, 36th Annual Meeting. 2013 August.

CONRAD K

Invited Faculty:

Revision Rhinoplasty.

Injectable Fillers.

Optimum mobility facelift.

European Academy of Facial Plastic Surgery, 36th Annual Meeting. 2013 August.

PORTUGAL

NGAN B

Invited Faculty:

Co-Chair: Oral Free Paper Session in Pediatric and Perinatal Pathology.

Chair: Symposium: Novel Aspects in Pediatric Gastroenterology and Hepatology.

25th European Congress of Pathology, European Society of Pathology. Centro de Congressos de Lisboa, Portugal. 2013 August/September.

PHILIPPINES

POTHIER DD

Invited Lecturer:

Outcomes in Endoscopic Ear Surgery, Endoscopic Skull Base Surgery (Plenary Lecture).
Bedside & Clinical Assessment of Vertigo Patients (Instructional Course).
Endoscopic Ear Surgery (Instructional Course).
Diagnosis & Management of Positional Vertigo (Instructional Course).

57th Annual Convention of the Philippine Society of Otolaryngology–Head & Neck Surgery.
Manila, Philippines. 2013 December.

RWANDA

ADAMSON PA

Organizer and Speaker: Linear Scar Revision Techniques. Rwanda Military Hospital Clinical Day, in association with the Face the Future™ humanitarian surgical mission to Kigali, Rwanda. 2014 February.

RUSSIA

HARRISON RV

Invited lecturer: In Sensorineural Hearing Loss Cochlear Pathology and Central Auditory Changes are Intimately Linked. National Research Centre for Audiology and Hearing Rehabilitation, Scientific Meeting. 2013 October.

SAUDI ARABIA

HASSOUNEH B

Invited Speaker: Research Methodology: The art of study design (Grand Rounds). King Saud University Fellowship and Saudi Board Training Program. Riyadh, Saudi Arabia. 2013 December.

Invited Speaker: Obstructive Sleep Apnea: Principles of sleep study (Grand Rounds). King Saud University Fellowship and Saudi Board Training Program. Riyadh, Saudi Arabia. 2013 November.

PAPSIN BC

Invited Lecturer:

Awakening the Auditory System: Auditory development after bilateral cochlear implantation in children.
Visiting Professor and External Examiner for Residency and Fellowship Program.

King Saud University and Medical College, Department of Otolaryngology-Head & Neck Surgery. Riyadh, Saudi Arabia. 2013 October.

SINGAPORE

CHAN Y

Invited International Faculty:

Endoscopic Sinus Surgery Post-Operative Care.
FESS Failures and Tips on Revision Sinus Surgery.
17th Functional Endoscopic Sinus & Skull Base Surgery Course. The Academia, Singapore. 2013 July.

SPAIN

GORDON KA

Invited Lecturer: Can We Restore Binaural Hearing to Children Who are Deaf? VIII International Workshop on Advances in Audiology, University of Salamanca. Salamanca, Spain. 2014 May.

Invited Lecturer: Awakening the Central Auditory System with Cochlear Implants. 50th Inner Ear Biology Workshop. Madrid, Spain. 2013 September.

SWITZERLAND

ANDERSON J

Invited Lecturer: Transgender Voice Surgery - The Toronto Experience, 4th Winter Days of Laryngology Conference. Crans Montana, Switzerland. 2014 January.

TAIWAN

ADAMSON PA

Honoured Guest Speaker:

Strategies and Attitudes for Professional Success.
Aesthetic Otoplasty.
Advanced Nasal Tip Surgery.

The Graduated Approach to Face and Neck Lifting.
9th Annual Meeting of the Taiwan Academy of Facial Plastic and Reconstructive Surgery, Taipei, Taiwan. 2013 December.

CHEN J

Invited Lecturer: Cost utility analysis of bilateral cochlear implantation. National University of Taiwan. Taipei, Taiwan, Province Of China. 2013 August.

TURKEY

GORDON KA

Invited Lecturer: Trauma to Percutaneous Implants in the Pediatric Population", Conductive Hearing Loss in Children Panel. Politzer Society Conference. Antalya, Turkey. 2013 November.

Invited Lecturer: Are the Effects of Childhood Deafness in One Ear Mitigated by Stimulation in the Other Ear? Long Deafferentation Panel. Politzer Society Conference. Antalya, Turkey. 2013 November.



JAMES A

Invited Speaker: Surgical Techniques in Pediatric Cholesteatoma. Politzer Society 29th Annual Meeting. Antalya, Turkey. Presenter(s): Takahashi H, James AL, Hamilton J, Migirov L, Schwager K, Onal K, Makhlof B. 2013 November.

LEE A

Invited panelist: Treatment of Meniere's Disease. The 29th Politzer Society Meeting, Antalya, Turkey. 2013.

POTHIER DD

Invited Lecturer:

Panel Discussion: Challenging Dilemmas Session on- Endoscopes in Ear Surgery (Moderator).

Children Use Bilateral Cochlear Implant Stimulation to Balance (with Cushing S, Gordon K, Wolter N, Hughes C, Papsin B).

29th Politzer Society Conference. Antalya, Turkey. 2013 November.

RUTKA J

Invited Lecturer. Treatment of Meniere's Disease and Debate. Politzer Society Conference. Antalya, Turkey. 2013 November.

UNITED ARAB EMIRATES

CUSHING S

Invited Lecturer:

Cochlear Implant Revisions and Reimplantation: Toronto Experience.

Hints in Diagnosis of Vestibular Migraine.

Future of Cochlear Implantation.

Auditory Brainstem Implant, Vestibular Prosthesis (Chair).

Restoring Balance in Children Using Cochlear Implants.

5th Asia Pacific Otolaryngology and Neurotology Conference. Dubai, United Arab Emirates. 2013 September.

PAPSIN BC

Invited Faculty:

Pediatric Tympanoplasty: Incisions versus decisions.

Pediatric Ossiculoplasty: Should I or shouldn't I?

Awakening the Auditory System: Binaural Benefit Revisited.

Fourth Emirates Rhinology & Otolaryngology Conference/ Eighth International Pan ARABFOS Conference. Dubai, United Arab Emirates. 2014 January.

POTHIER DD

Invited Lecturer:

Endoscopic Interlay and Butterfly Tympanoplasty. Vestio: A Low-cost Auditory Biofeedback Device: Real Time Stabilization and Rehabilitation. With Hughes C.

Catastrophization in Dizziness: Implications for a Redirected Approach.

The Use of All Three Dimensions: The Future of Otolaryngology Education.

Self Administered Computerized Dynamic Visual Acuity Testing, Augmented Reality in the Treatment of Oscillopsia and Balance Workshop: Combining COP and Head Tilt in Posturography.

Calorics: Do We Really Know What They Are and How Should We Interpret Them?

The Psychology of Patients with Dizziness: Catastrophization and those with Medically Unexplained Symptoms.

5th Asia Pacific Otolaryngology and Neurotology Conference. Dubai, United Arab Emirates. 2013 September.

RUTKA J

Course Director/Instructor: Hands on Temporal Bone Dissection Course, 5th Asia Pacific Otolaryngology and Neurotology Conference. Dubai [Dubai], United Arab Emirates. 2013 September.

Invited Lecturer:

Introduction to the Vestibular System.

Central Causes for Dizziness.

Medical Management of the Dizzy Patient.

Review of Treatment for Meniere's Disease over the Past Two Decades: What has literature revealed?

Canal Based Surgery and Access to Brainstem Lesions.

Introduction to Safe CSOM, Cholesteatoma, Mastoid Operations and Complications of CSOM.

Management of Facial Nerve Schwannomas.

Conservative Management of Vestibular Schwannomas: A prospective cohort 10 year study from the University of Toronto.

5th Asia Pacific Otolaryngology Neurotology Conference. Dubai [Dubai], United Arab Emirates. 2013 September.

UNITED KINGDOM

GILBERT R

Invited Lecturer:

Multi-Disciplinary Tumour Board: Oral and Oropharyngeal Cancer (moderator).

Options for the Management of T1-T3 Laryngeal Cancer.

Paradigms for the selection of reconstructive techniques in the management of recurrence.

Multi-disciplinary Tumour board: Laryngeal Cancer (panelist).

InHANSE-Controversies in the Management of Head and Neck and Thyroid Cancer. Birmingham, United Kingdom. 2013 December.

LEE A

Invited Lecturer: The Multidisciplinary Balance Clinic at the Toronto General Hospital. The Inaugural British Balance Network Meeting. London, United Kingdom. 2013.

POTHIER DD

Invited Lecturer: High Velocity Vestibular Loss. British Society of Otolaryngology Balance Course.

Invited Lecturer:

The Semi-Circular Canals – Pathology and treatment.

The lateral canal.

Endoscopic Middle Ear Surgery – The next step.

British Society of Otolaryngology Annual Meeting.

UNITED STATES

ADAMSON PA

Visiting Professor and Goldman Lecturer: From the Tripod Concept to the M-Arch Model: Understanding the Nasal Tip in Rhinoplasty. Mount Sinai Hospital, Icahn School of Medicine. New York, NY. 2014 June.

Invited Faculty:

Global Facial Beauty (keynote).

Rhinoplasty Suture Techniques (video).

Vertical Division in Tip Rhinoplasty (panelist).

Optimizing Blepharoplasty Results (moderator).

The Direct Eyebrow Lift and the Trichophytic Forehead Lift (panel).

Refining the Nasal Tip (course).

Surgical Management of the Aging Forehead (course).

Rhinoplasty Case Studies (panel).

American Academy of Facial Plastic and Reconstructive Surgery 11th International Symposium. New York NY. 2014 May.

Visiting Professor:

Graduating from the Mini to the Maxi Deep Plane Face Lift.

Strategies and Attitudes for Professional Success (Grand Rounds).

Department of Otolaryngology-Head & Neck Surgery, University of North Carolina, Chapel Hill NC. 2014 April.

Invited Speaker:

Practice Management Pearls (panelist).

Trichophytic Forehead Lift.

Brows and Upper Lids - A case that taught me a lesson (panelist).

Modified Deep Plane Face and Neck Lift.

The Most Challenging Jawline (panelist).

The Future of Facial Plastic Surgery.

New Horizons in Facial Plastic Surgery – Tissue engineering (panelist).

AAFPRS Bi-Annual Aging Face Meeting, San Diego CA. 2014 February.

Invited Speaker:

Facial Plastic Surgery: Your Future is Our Future.

The Tardy Lecture.

Why We Do What We Do (Panel Moderator).

Natural Beauty.

The Science of Beauty.

Aesthetic Otoplasty.

Masters Rhinoplasty Panel (Panel Moderator).

AAFPRS Annual Meeting, New Orleans LA. 2013 October.

ANDERSON J

Invited Lecturer: Bilateral Vocal Cord Paralysis: A 13 year review of etiologies, management and the usefulness of the Empey ratio. Combined Otolaryngology Spring Meeting. Las Vegas, NV. 2014 May.

CAMPISI P

Pediatric Potpourri – Pediatric Voice and Airway, The 2014 Triological Society Combined Sections Meeting. Miami Beach, FL. 2014 January.

CHEN J

Invited Lecturer:

Temporal Bone Dissection.

How to Minimize Risks and Avoid Complications in Otolological Surgery.

Ossicular Reconstruction.

University of Pennsylvania, Department of OTL-HNS. Philadelphia, PA. 2013 September.

CONRAD K

Invited Lecturer: A Tailored Approach to Rhinoplasty: From Simple to Difficult. 11th International Symposium of Facial Plastic Surgery. American Academy of Facial Plastic and Reconstructive Surgery. Instructional course. 2014 May.

CUSHING S

Invited Lecturer:

The Dizzy Child: Is it really migraine? (Panel Discussion).

Neuro-Otologic Evaluation of Children: In-office 3 minute exam.

American Society of Pediatric Otolaryngology. Las Vegas, NV. Presenter(s): Cushing SL, Kenna M, Casselbrant M, Brodsky J, O'Reilly R. 2014 May.

Invited Lecturer: Our Cochlear Implant Program: The Vision for the Future is Balanced. Margaretha L. Casselbrant Festschrift. Pittsburgh, PA. 2014 May.



Invited Lecturer: Addressing Healthcare Economic Disparities. Conversations in Pediatric Otolaryngology-Head and Neck Surgery, Seattle Children's Hospital. Seattle, WA.

Invited Lecturer: Pediatric Otology - Vertigo and Tinnitus (panel). American Neurotology Society. Fall meeting. 2013 September.

ELLIS DAF

Invited Faculty: Instruction Course IC34 Acne Rosacea: The Red Face. American Academy of Facial Plastic and Reconstructive Surgery (AAFPRS) Annual Meeting, New Orleans, LA. 2013 October.

ENEPEKIDES D

Distinguished Speaker: Mandible Reconstruction- Lessons learned. UC Davis Medical Center, Dept. of Head and Neck Surgery. Sacramento, CA. Invited Faculty for a joint Head and Neck Surgery and Plastic Surgery Grand Round. 2013 July.

FREEMAN J

Invited Lecturer: Lessons Learned from the 2nd World Congress on Thyroid Cancer, The Joseph Attia Memorial Lecture, Long Island Jewish Medical Centre. New York, NY. 2014 April.

GILBERT R

Invited Faculty:

- Case Discussions (moderator).
- Management of Cancer of the Oral Cavity and Oropharynx (panelist).
- Surgical Techniques (moderator).
- Management of Advanced Cancer of the Larynx and Hypopharynx (panelist).
- Innovative Head and Neck Reconstruction (panelist).

Current Concepts in Head & Neck Surgery and Oncology. New York, NY. 2013 November.

GORDON KA

Invited Lecturer: Developmental Consequences of Unilateral Deprivation in Children using one Cochlear Implant. Central consequences of deafness symposium, Mid-winter meeting of the Association for Research in Otolaryngology. San Diego, CA. 2014 February.

Invited Lecturer: Unilateral Cochlear Implantation can Protect the Developing Auditory System from Unilaterally Driven Reorganization. Conference on Implantable Auditory Prostheses. Lake Tahoe, CA. 2013 July.

Invited Lecturer: Auditory Development is Best Driven by Input from Both Ears: Evidence from children using unilateral and bilateral cochlear implants. Brain Plasticity and Cochlear Implant Use Workshop. New York University Langone Medical Centre, NY. 2013 December.

GULLANE P

Visiting Professor: Daly Day, NYU Langone School of Medicine. New York. 2014 April.

Invited Lecturer: Sinonasal Carcinomas. North American Skull Base Society. California. 2014 February.

HARRISON RV

Invited Lecturer: Cochlear Hearing Loss is a Misnomer; Nothing happens at the auditory periphery without central consequences. Mid-Winter Meeting Association for Research in Otolaryngology (ARO). San Diego, CA. 2014 February.

Invited Lecturer: Auditory Neuropathy: Causes and Diagnosis Workshop on Central Auditory Processing Disorders. College of Audiology, Salus University. Philadelphia, PA. 2013 July.

Invited Lecturer: The Anatomy and Physiology of Auditory Cortex. Workshop on Auditory Cortex Anatomy and Function. College of Audiology, Salus University, Philadelphia, PA. 2013 July.

IRISH JC

Invited Lecturer: Implementation of Organizational Standards in Surgical Oncology: An experience from a universal health care system. Value-based Healthcare in Head and Neck Cancer. Houston, TX. 2014 May.

Invited Lecturer: What's the Latest and the Greatest: Head and Neck Surgery (panelist). Triological Combined Sections Meeting. Miami Beach, FL. 2014 January.

Invited Faculty:

- Thyroid and Parathyroid Surgery (panel moderator).
- Surgical Techniques: Neck Dissection.
- Stump the Faculty (panelist).

Current Concepts in Head & Neck Surgery and Oncology. New York, NY. 2013 November.

Invited Lecturer: Taking off our Loupes and Looking Forward: The Vision of Surgery in 20/20, 2013 Siciliano Lecturehip, University of Pittsburgh Medical Centre. Pittsburgh, PA. 2013 October.

MARTINO R

Swallow Screening Tools - How Sensitive Are They? The TOR-BSST. Dysphagia Research Society Annual Meeting. Nashville, TN. 2014 March.

Diagnosis of Dysphagia: Timing matters. Grand Rounds, Department of Otolaryngology, University of Pittsburgh Medical Center. Pittsburgh, PA. 2013 October.

PAPSIN BC

Head and Neck Surgery in 2014 - What a Pediatric Otolaryngologist needs to know (Panel Moderator). American Society of Pediatric Otolaryngology. Las Vegas, NV. 2014 May.

Invited Lecturer: Fluctuating and Progressive Pediatric Sensorineural Hearing Loss: Cost efficacy of the diagnostic workup and interventions. The Triologic Society Annual Meeting. Las Vegas, NV. 2014 May.

Invited Lecturer: James S. Reilly Annual Lecture: Sensory Reassembly of the Auditory Environment: What we have learned from children with cochlear implants. Thomas Jefferson Medical College. Department of Otolaryngology-HNS. Philadelphia, PA. 2014 February.

Keynote address: Awakening the Auditory System: Binaural benefits revisited. 6th International Conference on a Sound Foundation Through Early Amplification 2013 (Phonak Audiology). Chicago, IL. 2013 December.

Invited Lecturer: Hearing Preservation in Children with Cochlear Implants: Long odds. Electro-Acoustic Hearing (EAS) Symposium - Cochlear Americas Corporation Event, Las Vegas, NV. 2013 August.

POTHIER DD

Invited Lecturer:

Development of The Voice Catastrophization Index: A Preliminary Investigation (with Johns MM, Pethan M).

Children Use Bilateral Cochlear Implant Stimulation to Balance (with Cushing S, Gordon K, Wolter N, Hughes C, Papsin B).

Fall Voice Conference. Atlanta, GA. 2013 October.

WITTERICK I

Invited Lecturer:

Tumor Board (panelist).

Management of CSF leaks post-ESS.

Educating future skull base surgeons: Simulation.

24th Annual Meeting of the North American Skull Base Society. San Diego, CA. 2014 February.

Panelist. Sinus dilation and stenting panel. North American Rhinology & Allergy Conference. San Juan, Puerto Rico.. With Chandra R (moderator), Sindwani R. 2014 January.

VIETNAM

CHAN Y

Invited Speaker:

Endoscopic Sinus Surgery Post-operative Care.

FESS Failures & Tips on Revision Surgery.

Update in Otolaryngology and Neurosurgery Workshop.

Pham Ngoc Thach University, Ho Chi Minh City, Vietnam. 2014 March.

NATIONAL MEETINGS

ADAMSON P

Invited Speaker:

My Most Challenging Rhinoplasty Case and Why. Nasal Tip Sutures.

My Most Challenging Facial Rejuvenation Case and Why.

Upper and Lower Blepharoplasty.

CAFPSR Annual Clinical Day, Toronto ON. 2013 October.

Invited Speaker:

Nasal Tip Refinement: Practical theory and techniques.

Otoplasty: Basic and finesse techniques.

The Future of Facial Plastic Surgery (keynote).

Canadian Society of Otolaryngology-Head & Neck Surgery, Annual Meeting, Ottawa ON. 2014 May.

ANDERSON J

Invited Lecturer: Thyroplasty Technique. McGill University Laryngology Course. Montreal, QC. 2014 February.

Invited Lecturer:

Muscle Tension Disorders and Spasmodic Dysphonia.

Physiology of Phonation: Aerodynamic Myoelastic Theory.

McGill University Laryngology Course. Montreal, ON. 2014 February.

Invited Lecturer: Red Herrings in Laryngology (workshop). Canadian Society of Otolaryngology-HNS, 68th Annual Meeting. Ottawa, ON. 2014 May.

BRANDT MG

Invited Lecturer: An Evidence Based Approach to Nasal Fractures. Annual Clinic Day of the Canadian Academy of Facial Plastic and Reconstructive Surgery. Toronto, ON. 2013 October.

Invited Lecturer:

Facial Trauma for the Otolaryngologist-Head & Neck Surgeon.

Rhinoplasty: The basics.

Preparing for the Royal College Oral Examination in Facial Plastic & Reconstructive Surgery.

Annual Otolaryngology-Head & Neck Surgery Review Course. Halifax, NS. 2014 January.



CHAN Y

Invited faculty: Starting Your Surgical Practice: Choices after your Residency. CanMeds Session for surgical residents, University of Alberta, Edmonton, AB. 2013 September.

CHIODO A

Invited Lecturer:

Clerkship Toolkit.

National Research Initiatives in Undergraduate Medical Education.

Canadian Conference on Undergraduate Medical Education in Otolaryngology-Head & Neck Surgery. Toronto ON. With: Bajcar J. 2014 October.

ELLIS DAF

Invited Faculty:

Moderator: Rhinoplasty Session III.

Panel Member: My Most Challenging Rhinoplasty Case and Why.

Panel Member: My Most Challenging Aging Face Case and Why.

Facial Augmentation: Alloplastic Implants vs Fillers. Fillers and Neurotoxins vs Rhytidectomy: My Approach.

The Canadian Academy of Facial Plastic and Reconstructive Surgery (CAFPRS) Annual Meeting. Toronto ON. 2013 October.

FORTE V

Interactive Airways: Challenging Cases (Expert Panel Member). International Endoscopy Day, Dr. Sam Daniel. Montreal, QC. 2014 June.

GILBERT R

Invited Lecturer: HPV Vaccines- Hype or Hope (panelist). Canadian Society of Otolaryngology-Head & Neck Surgery Annual Meeting. Ottawa, ON. 2013 May.

HARRISON RV

Invited Lecturer: Noise Induced Hearing Loss. Workers' Compensation Board of Nova Scotia. Halifax, NS. 2013 October.

JAMES A

Invited Speaker: Otologic Applications of Endoscopes in Children. Canadian Society of ORL-HNS Endoscopic Ear Surgery Course. Ottawa, ON. 2014 May.

POTHIER DD

Invited Lecturer:

Mini-Workshop: Encryption for the Otolaryngologist (with Hubbard B).

Ototoxicity Monitoring During Gentamicin Treatment: Evidence from a pilot initiative (with Wuesthoff C, Dillon WA).

Patient Perception of Quality of Care by OTO-H&NS in Canada: A mixed-methods analysis of a web-based rating site (with Wuesthoff C).

Calorics - 100 Years on. Are we being seriously misled? (with Wuesthoff C).

Catastrophization in Dizziness: The 'Missing Link'? (with Wuesthoff C).

Mini-Workshop: Endoscopic Minimally Invasive Ear Surgery - Principles of the Technique - What is the State of the Art? (with Nogueira J, Marchioni D, Lea J., Kozak F, James A).

68th Annual Meeting, Canada Society of Otolaryngology-Head & Neck Surgery. Ottawa, ON. May 2014.

Invited Lecturer: Miniseminar: Endoscopic Ear Surgery: Tips and Pearls (presenter). American Academy of Otolaryngology-Head & Neck Surgery Annual Meeting. Vancouver, BC. 2013 September/October.

WITTERICK I

Invited Lecturer:

Sinonasal and Skull Base Neoplasms: Endoscopic Approaches.

Sinonasal and Skull Base Neoplasms: Reconstruction Post-Excision.

Eastern Canadian Otolaryngology Society (ECOS) Annual Meeting. Digby, NS. 2013 August.

Speaker: Auto-immune Disorders and Otolaryngology - What to look for, and what to order when you're looking. 68th Annual Meeting of the Canadian Society of Otolaryngology-Head & Neck Surgery. Ottawa, ON. With: Sowerby L, Smith D. 2014 May.

PROVINCIAL/LOCAL MEETINGS

ABEL S

Course Instructor: Noise-Induced Hearing Loss. Basic Aviation Medicine Course. Defence Research and Development Canada. Toronto, ON. 2013 November.

ADAMSON PA

Invited Faculty: Revisiting Rhinoplasty: Staying Out of Trouble, Getting Out of Trouble.

Grand Rounds, Department of Otolaryngology-Head & Neck Surgery, University of Toronto. 2014 March.

Invited Lecturer:

Patient Selection and Post-Operative Patient Management.

Cosmetic Otoplasty.

The M-Arch Model of Nasal Tip Surgery.

Management of the Crooked Nose and Nasal Pyramid.

Surgical Management of the Upper Face.

The Graduated Face and Neck Lift.

Upper and Lower Blepharoplasty.

Core Resident Lectures, Department of Otolaryngology-Head & Neck Surgery, University of Toronto. 2013 November.

Invited Speaker: An Overview of Reconstructive and Aesthetic Facial Plastic Surgery. Medical Students' Interest night. Faculty of Medicine, University of Toronto. 2013 October.

ANAND SM

Invited Lecturer: Outpatient Thyroid Surgery: A Case for Cost Savings. Anesthesia Grand Rounds, The Scarborough Hospital, University of Toronto. 2014 June.

Invited Faculty: Advancements in Thyroid Cancer. Department of Family & Community Medicine, University of Toronto, The Scarborough Hospital. 2013 November.

ANDERSON J

Invited Lecturer: Phonosurgery and Perioperative Therapy. SLP Voice Course, St. Michael's Hospital Speech Language Pathology. Toronto, ON. 2014 June.

Invited Speaker: Pot Pourri of Benign Laryngeal Lesions (panel discussion). Department of Otolaryngology-Head & Neck Surgery, University of Toronto. Toronto, ON. 2014 February.

Invited Speaker: Irritable Larynx Syndrome and Muscle Tension Dysphonia. Department of Medicine, CIA. St. Michael's Hospital. Toronto, ON. 2014 March.

ASARIA J

Invited Lecturer: Current Trends in Cosmetic Injectables and Fillers. Otolaryngology Update. Toronto, ON. 2014 February.

Panel Moderator:

Aesthetic Approaches and Injection Techniques.
Complications of Cosmetic Injectables.

Otolaryngology Update. Toronto, ON. 2014 February.

BLASER S

Invited Lecturer:

Acquired Infections of the CNS.
Neuro-Imaging Findings in Metabolic Disease.
Imaging in acute neonatal encephalopathy due to IEM.

IPOKRATES Foundation Clinical Seminar - Neonatal Neurology and Neuroradiology.

Toronto, ON. 2013 November.

Invited Lecturer:

Inborn Metabolic Disorders in Newborns.
Gray Matter Disorders: Making Sense out of the Chaos.

Derek Harwood-Nash Research Day. Toronto, ON.

Department of Diagnostic Imaging, The Hospital for Sick Children and the University of Toronto. 2013 October.

Invited Lecturer: Neuroimaging of Grey Matter Disorders. Department of Neurology, The Hospital for Sick Children. Toronto, ON. Neurology Grand Rounds. 2013 September.

BRADLEY G

Invited Lecturer: Prevention and Early Diagnosis of Oral Cancer. Waterloo Wellington Hygiene Study Group, Waterloo, ON. 2013 September.

BRANDT MG

Guest Lecturer:

Facial Analysis.
Upper Face Rejuvenation Options.
Examinable Topics in Facial Plastic & Reconstructive Surgery.

Otolaryngology Teaching Rounds. Division of Otolaryngology-Head & Neck Surgery, Department of Surgery, McMaster University. Hamilton, ON. 2013 October.

CAMPISI P

Pot Pourri of Benign Laryngeal Lesions. 12 Annual Otolaryngology Update. Toronto, ON. 2014 February.

CHAN Y

Panelist: Starting Your Practice. Panel: Career Decisions for Otolaryngology Residents: Planning Ahead and Making the Right Choices. Canadian Society of Otolaryngology 68th Meeting, Ottawa, ON. 2014 May.

Invited Faculty:

Workshop Organizer: Identifying the Easy vs. the Difficult Frontal Recess/Sinus.
Panel: Demystifying the Frontal Sinus Through Practical Tips.

Panelist: Emerging Technologies in Rhinology: Polypvac. Panel: Emerging Technologies in Rhinology.

Canadian Society of Otolaryngology 68th Meeting, Ottawa, ON. 2014 May.

Invited Lecturer: Diseases of the Maxillary Sinus. Faculty of Dentistry Oral Pathology Course, Toronto, ON. 2014 March.

Invited Lecturer: OMG! Not Another Dizzy Patient. Dizziness Update 2014, Toronto, ON. 2014 February.

Invited Lecturer: ASCM I Otolaryngology-HNS Faculty Development Session. Mississauga Academy of Medicine, Mississauga, ON. 2014 January.

Invited Lecturer: Otitis Media. Department of Family Practice Grand Rounds. Trillium Health Partners-Mississauga Hospital, Mississauga, ON. 2013 November.

DEPARTMENT OF OTOLARYNGOLOGY - HEAD & NECK SURGERY



Course Director and Lecturer: Acute and Chronic Sinusitis: 2011 Canadian Guidelines for Diagnosis & Treatment. Otolaryngology Update for the Primary Care Physician & Allied Health Professional. University of Toronto, Toronto, ON. 2013 November.

Invited Lecturer: Nasopharyngeal Carcinoma. Walking with YouRCancer Caring Group Health Advice Day Toronto, ON. 2013 October.

CHIODO A

Invited Lecturer:

Diagnosis and Management of Rhinitis and Sinusitis.

Otology and Otoscopy Simulation Session.

Toronto East General Hospital Family Practice Clinic Day Conference, Toronto, ON. 2014 April.

Invited Lecturer: Pediatric Otolaryngology-Head & Neck Surgery. MMMD course, second year medical school class. Faculty of Medicine, University of Toronto. Toronto, ON. 2014 April.

Invited Lecturer: Perioperative Management of the Obstructive Sleep Apnea Pediatric Patient and Anaesthetic Considerations. Anaesthesia Grand Rounds, Toronto East General Hospital. Toronto, ON. 2014 March.

Invited Lecturer: The Toronto East General Thyroid Program. Quality Based Rounds, Department of Surgery, Toronto East General. Toronto, ON. 2014 February.

Invited Lecturer: Faculty Development Session: ASCM I for Otolaryngology-Head and Neck Surgery Preceptors. ASCM I Course, Toronto General Hospital, Department of Otolaryngology-Head and Neck Surgery. Toronto ON. 2014 January.

Invited Lecturer: Deconstructing the Head and Neck Exam, for ASCM I Tutors. ASCM 1 Course, Toronto General Hospital, Undergraduate Medical Education, University of Toronto, Faculty Development Session. Toronto, ON. 2014 January.

Invited Lecturer: Perioperative Management of the Obstructive Sleep Apnea Pediatric Patient. Pediatric Grand Rounds, Toronto East General Hospital, University of Toronto. Toronto, ON. 2014 January.

Invited Lecturer: Educating Tomorrow's Doctors about the Head and Neck. Boundless Advancement Program. Toronto, ON. 2013 November.

Invited Lecturer: Outpatient Thyroidectomy: Is it Feasible for the Toronto East General Thyroid Program. Surgical Grand Rounds, Department of Surgery, Toronto East General. Toronto, ON. 2013 October.

Invited Lecturer: Undergraduate Medical Education in Otolaryngology-Head & Neck Surgery Part II-The Clerkship Toolkit. Grand Rounds, Department of Otolaryngology-Head & Neck Surgery, University of Toronto. 2013 September.

Invited Lecturer/Demonstrator: Management of Surgical Airway. Principles of Surgery, Surgical Bootcamp, Department of Surgery, University of Toronto. Toronto, ON. 2013 July.

CUSHING S

Keynote Speaker: Our Cochlear Implant Program: The Vision for the Future is Balanced, Nalli Ingoglia Memorial Lecture, Hospital for Sick Children. Toronto, ON. 2014 May.

Visiting Professor: Finding Balance: An Academic Career, Grand Rounds, Department of Otolaryngology-Head & Neck Surgery, University of Ottawa. 2014 April.

Invited Lecturer:

Clinical Guidelines for Tympanostomy Tubes.

Panel Discussion: Clinical Guidelines for Tympanostomy Tubes (Facilitator).

The 12th Annual Otolaryngology-Head and Neck Surgery Update 2014. Toronto, ON. 2014 February.

Invited Lecturer: Dizziness in Childhood. 2014 Dizziness Update for the Community Practitioner & Allied Health Professional. Toronto, ON. 2014 February.

DABDOUB A

Invited Lecturer: How did I get 'hear'? Laboratory Medicine and Pathobiology Summer Research Seminar. Department of Laboratory Medicine and Pathobiology, Faculty of Medicine, University of Toronto. Toronto, ON. June 2014.

Invited Lecturer: Conquering Deafness: Using development for hearing regeneration. Sunnybrook Board of Directors. Toronto, ON. 2014 March.

DAVIDSON J

Invited Lecturer: RAI Treatment for Thyroid Cancer: Past, Present and Future. With Annie Sawka. Grand Rounds. Department of Otolaryngology-Head & Neck Surgery, University of Toronto. 2014 March.

FOX R

Invited Lecturer: OMA Red Flags and When to Refer for Further Investigation. Association of Hearing Instrument Practitioners Annual Conference. Niagara Falls, ON. 2014 May.

Panel Member: Indications for Ventilation Tubes. Otolaryngology Update. University of Toronto. Toronto, ON. 2014 February.

FREEMAN J

Invited Lecturer: Ultrasound Evaluation of Thyroid and Parathyroid Disease. The 12th Annual Otolaryngology-Head & Neck Surgery Update 2014, University of Toronto. 2014 February.

GANTOUS A

Invited Speaker: Naso-Sinusal (Manifestations and damage) in Vasculitis: Reconstructive Techniques and Surgery. University of Toronto Combined Vasculitis Round. Toronto. 2013 June.

Invited Lecturer: Salivary Gland Neoplasms and Benign Neck Masses. Division of Plastic Surgery Resident Seminar Series. Toronto. 2013 September.

Faculty:

Pre-operative Evaluation of the Rhinoplasty Patient. My Most Challenging Rhinoplasty Case and Why, Expert Panel.

Nasal Tip Grafts: When I Use Them.

Facial Plastic and Reconstructive Surgery 2013, CAFPRS. Toronto. 2013 October.

GILBERT R

Invited Lecturer: Reconstruction in Head and Neck Surgery. Ontario Association of Radiologists (OAR) CME. Toronto, ON. 2014 May.

Invited Faculty: Kian Ang's Impact on the Role of Surgery in the Management of Head and Neck Cancer. 15th Annual Wharton/Elia Day. Toronto, ON. 2014 May.

Invited Lecturer: Complex Reconstruction and Oncologic Management of Skin Malignancy (core lecture). University of Toronto, Department of Otolaryngology-Head and Neck Surgery. Toronto, ON. 2013 November.

Invited Lecturer: Advanced Head and Neck Cancer: The Role of Surgery in 2013. University of Toronto, Department of Speech-Language Pathology. Toronto, ON. 2013 November.

Invited Lecturer: Leadership and Innovation in Head and Neck Surgery- New Concepts in Maxillary Reconstruction (Grand Rounds). University of Toronto, Department of Surgery. Toronto, ON. 2013 October.

GORDON KA

Invited Lecturer: Are we there yet? Past, present and future aims of research in Archie's Cochlear Implant Laboratory. 50th Anniversary Conference, Voice for Children with Hearing Impairments. Toronto, ON. 2014 May.

GULLANE P

Visiting Professor. Resident Research Day. University of Western Ontario. London ON. 2014 April.

Invited Speaker: The Head and Neck Story, Princess Margaret Cancer Foundation-Advisors luncheon. Toronto, ON. 2013 November.

HEKKENBERG R

Guest Lecturer: Thyroid & Skin Cancer Surgery for the Nurse Practitioner. Huronia Nurse Practitioner Network Teaching Rounds. Barrie, ON. 2014 March.

Guest Lecturer: Thyroid & Skin Cancer Surgery for the Family Physician. Family Medicine Teaching Unit. Royal Victoria Hospital Teaching Rounds. Barrie, ON. 2014 January.

IRISH JC

Invited Lecturer: Taking Off our Loupes and Looking Forward: The Vision of Surgery in 20/20 in a Personalized Cancer World, Beyond the Genetic Prescription Pad: Personalizing Cancer Medicine in 2014 Conference - Princess Margaret Cancer Centre. Toronto, ON. 2014 February.

Invited Lecturer: Personalized Care Medicine: The definition, the opportunity and the therapeutic trajectory. TECHNA Symposium 2013. Toronto, ON. 2013 October.

JAMES A

Invited Lecturer: What is the Role of the Endoscope for Ear Surgery in Children? 4th Toronto Endoscopic Ear Surgery Dissection Course. Toronto, ON. 2014 April.

MARCARIAN B

Invited Lecturer: Update on Obstructive Sleep Apnea: Diagnosis and Treatment. Otolaryngology Update for The Scarborough Family Physicians 2013 November.

Invited Lecturer: Update on Obstructive Sleep Apnea for Surgeons. Surgical morning educational rounds at the Scarborough Grace Hospital. 2013 October.

Invited Lecturer: Update on Obstructive Sleep Apnea for Surgeons Presentation at surgical grand rounds at the Scarborough General Hospital. 2014 January.

NG R

Invited Lecturer: Diagnosis and Treatment of Obstructive Sleep Apnea and other Sleep Disorders. Journal Club for Toronto East Group Otolaryngologists. Otolaryngologist's Perspective, Thornhill, ON. 2014 January.

Invited Lecturer: Management of Patients with Nasal Obstruction. Family Physician Seminar. Thornhill, ON. 2014 January.

Invited Lecturer: Management of Patients with Nasal Obstruction. Cachet Clinic Education Seminar. Cachet Clinic. Markham, ON. 2013 October.



Guest Lecturer: Nasopharyngeal Cancer & Early Detection Technology. Yee Hong Centre for Geriatric Care & Ontario Central – LHIN. 2013 September.

Guest Lecturer: Nasopharyngeal Cancer & Early Detection Technology. Health Awareness Day - Chinese Cultural Centre of Greater Toronto. 2013 September.

Sleep and Chronic Diseases. Toronto Chinese Community Church - Community Educational Seminar. Markham, ON. 2013 September.

PAPSIN BC

Invited Lecturer: The Effective Scientific Presentation. McMaster University, Department of Otolaryngology-HNS. Burlington, ON (for the Otolaryngology-HNS resident journal club). 2014 February.

Keynote Address: Awakening the Auditory System: Development of audition after bilateral cochlear implantation in children. Annual Update and Resident's Research Day. Department of Surgery. Division of Otolaryngology-Head & Neck Surgery. McMaster University. Hamilton, ON. 2013 October.

POTHIER DD

Invited Lecturer:

The Neurotological Examination: What are the Clinical Tests of Vestibular Function? What do they mean? How I do it.

Interpreting and Incorporating Vestibular End Organ Testing. What do the Tests Mean for My Dizzy Patient? Do Caloric Testing and ENG still have a Role in the Investigation of the Dizzy Patient? Catastrophization: Making a Mountain out of a Molehill.

2014 Dizziness Update for the Community Practitioner & Allied Health Professional. 2014 February.

Invited Lecturer:

Panel Discussion: Management of Sudden Sensorineural Hearing Loss (with Dr. S. Agrawal, Dr. J. Archibald, Dr. J. Lea).

The 12th Annual Otolaryngology-Head & Neck Surgery Update 2014 & The OMA Annual Otolaryngology-Head & Neck Surgery Section Meeting Otolaryngology Section. Toronto, ON. 2014 February.

RUTKA J

Chair. Panel discussion, The 12th Annual Otolaryngology-Head & Neck Surgery Update 2014 & The OMA Annual Otolaryngology-Head & Neck Surgery Section Meeting Otolaryngology Section. Toronto, ON. 2014 February.

VESCAN A

Panelist: Complications of Endoscopic Sinus Surgery, Otolaryngology Update 2014. Toronto, ON. 2014 February.

WITTERICK I

Invited Lecturer: Simulation in Education in Skull Base. 39th Annual William S. Keith Professorship in Neurosurgery Program, Division of Neurosurgery, Department of Surgery, University of Toronto. 2014 June.

Demonstrator: Wet Lab Dissection. Endoscopic Endonasal Neurosurgery Course. Division of Neurosurgery, Department of Surgery, University of Toronto. 2014 May.

Invited Lecturer: Surgical Procedures in Sinus Surgery. Ontario Association of Radiologists, Head & Neck Imaging: Part I. Toronto, ON. 2014 May.

Invited Lecturer: What is New in the Management of Chronic Rhinosinusitis: Medical and surgical therapies and the resulting financial burden for patients, Allergy Asthma & Immunology Society of Ontario. Toronto, ON. 2014 May.

Invited Lecturer: Complications of Sinus Surgery. 12th Annual Otolaryngology-Head & Neck Surgery Update 2014. Toronto, ON. 2014 February.

Invited Lecturer: The Maxillary Sinus: A medical perspective on risks, complications and their management. Biomaterials and Implant/Reconstructive Dentistry Continuing Education Course, Faculty of Dentistry, University of Toronto. 2014 February.

Grand Rounds Presenter: Strategic Thinking: The Plan for 2013-2018, Department of Otolaryngology-Head & Neck Surgery, University of Toronto. 2013 September.

ZIRKLE M

Invited Speaker: Almost Everything you Need to Know About a Longitudinal Integrated Clerkship Pilot at St. Mike's. SMH Department of Family and Community Medicine. Toronto, ON (Continuing Education). 2014 February.

Invited Speaker: Undergraduate Medical Education: Report from the Field, Otolaryngology-Head & Neck Surgery, University of Toronto. 2013 December.

PAPERS PRESENTED AT CONFERENCES/SOCIETY MEETINGS

INTERNATIONAL MEETINGS

ARGENTINA

CUSHING S

BalanCI: Head Referenced Cochlear Implant Stimulation Improves Balance in Children with Cochleovestibular Loss. Barany Society Meeting. Buenos Aires, Argentina. Cushing S, Pothier DD, Hughes C, Wolter NE, Gordon KA, Papsin BC. 2014 May.

Balance is Impaired in Children with Unilateral Deafness. Barany Society Meeting. Buenos Aires, Argentina. Cushing S, Vilchez-Madrigal LD, Wolter NE, Gordon KA, Papsin BC. 2014 May.

AUSTRIA

GOLDSTEIN D

Definitive Radiation Therapy for Advanced Stage Oral Cavity Squamous Cell Carcinoma (OCSCC). 2014 European Society for Therapeutic Radiology and Oncology (ESTRO) 33rd Annual Meeting. Vienna, Austria. Presenters: Rey F, Huang SH, O'Sullivan B, Qiu X, Wei X, Chan B, Ringash J, Goldstein D, Kim J, Waldron JN. 2014 April.

SEABERG R

A Large Novel CDC73 Gene Deletion Found in CIS with a Single-Nucleotide 5'UTR Variant: Co-transmission in a 3-generation Canadian family with familial hyperparathyroidism and parathyroid carcinoma. 14th International Workshop on Multiple Endocrine Neoplasia. Vienna, Austria. September 2014.

CANADA (International Meetings in Canada)

CAMPISI P

Motor Speech in Cochlear Implant Users Compared to Normal Peers: A novel objective analytic technique. 2013 Annual American Academy of Otolaryngology-Head & Neck Surgery Meeting. Vancouver, BC. Eskander A, Gordon KA, Tirado Y, Hopyan T, Russell L, Papsin BC, Campisi P. 2013 September.

GORDON KA

Objective Analysis of Motor Speech Performance in Children with Cochlear Implants. Poster presentation Annual

Meeting & OTO EXPOSM of the American Academy of Otolaryngology-Head & Neck Surgery. Vancouver, BC. With Eskander A, Tirado Y, Hopyan T, Russell L, Papsin BC, Campisi P. 2013 September.

LEE J

Invited Course Faculty & Panelist. Panel: Complications in Sinus Surgery. 12th Annual Otolaryngology Update Meeting. Toronto, ON. 2014 February.

CZECH REPUBLIC

ANDERSON J

Web Formation for Pitch Elevation, Pan European Voice Conference (PEVOC). Prague, Czech Republic. 2013 August.

GERMANY

CUSHING S

Screening for Usher Syndrome in Children with Sensorineural Hearing Loss: The importance of vestibular and balance assessment. Cochlear Implant 2014. Munich, Germany. Oyewumi DT, Wolter NE, Héon E, Gordon KA, Papsin BC, Cushing S. 2014 June.

Freedom vs. 422: Surgical considerations, efficiency and hearing preservation, is there equipoise? Cochlear Implant 2014. Munich, Germany. Polonenko MJ, Gordon KA, Cushing S, Papsin BC. 2014 June.

IRELAND

CUSHING S

Infant Sleep Machines are Capable of Producing Hazardous Sound Output Levels. European Society of Pediatric Otolaryngology. Dublin, Ireland. Hugh S, Wolter NE, Propst EJ, Gordon KA, Cushing S, Papsin BC. 2014 June.

The Role of the Sensory Environment on Balance in Children with Bilateral Cochleovestibular Loss. European Society of Pediatric Otolaryngology. Dublin, Ireland. Cushing S, Wolter NE, Gordon KA, Vilchez-Madrigal LD, Papsin BC. 2014 June.

BalanCI: Stabilization of Balance Using Head Referenced Cochlear Stimulation. European Society of Pediatric Otolaryngology. Dublin, Ireland. Cushing SL, Pothier DD, Hughes C, Wolter NE, Gordon KA, Papsin BC. 2014 June.



ITALY

CAMPISI P

Impact of HPV Genotype on Clinical Course of Juvenile Onset Recurrent Respiratory Papillomatosis. Eurogin 2013. Florence, Italy. Campisi P, Rebbapragada A, Eskander A, Simpson K, Osborn A, Lapointe A, Perusini S, Forte V, Propst E. 2013 November.

IRISH JC

17th General Meeting of the International Society of Limb Salvage – ISOLS 2013. Bologna, Italy. Presenter(s): Sternheim A, Wunder J, Ferguson P, Irish J, Daly M, Qiu J, Weersink R, Griffin A. 2013 September.

NETHERLANDS

WITTERICK I

Low Salicylate Diet for Aspirin Exacerbated Respiratory Disease (AERD) - A preliminary experience. 25th Congress of the European Rhinological Society. Amsterdam, Netherlands. Presenter: Nayan S. Authors: Nayan S, Sommer DD, Sowerby L, Rotenberg B, Vescan A, Witterick IJ, Janjua A, Lee J, Gupta M, Au M. 2014 June.

SINGAPORE

LAUGHLIN S

Long-Term Outcome in Subgroups of Medulloblastoma. International Symposium on Pediatric Neuro-Oncology. Singapore. With: Moxon-Emre1 I, Scantlebury N, Taylor MD, Malkin D, Law N, Kumabe T, Leonard J, Rubin J, Jung S, Kim SK, Gupta N, Weiss W, Faria C, Vibhakar R, French P, Kros J, Spiegler B, Janzen L, Liu F, Decker L, Bouffet E, Mabbott D. 2014 June.

SPAIN

BLASER S

Exome Sequencing Identifies Complex 1 NDUFV2 Mutations as a Novel Cause of Leigh Syndrome. International Congress of Inborn Errors of Metabolism (ICIEM 2013). Barcelona, Spain. Cameron JM, Mackay N, Feigenbaum A, Tarnopolsky M, Blaser S, Robinson BH, Schulze A. 2013 September.

TURKEY

GORDON KA

Does Unilateral Cochlear Implant use Promote Cortical Development at the Expense of Pathways from the Unstimulated Ear? Oral presentation, 1st Global Otology Research Forum, Antalya, Turkey. With, Jiwani S, Wong DDE, Papsin BC. 2013 November.

Children Using Bilateral Cochlear Implant Stimulation to Balance. Oral presentation. 1st Global Otology Research Forum. Antalya, Turkey. With Cushing S, Wolter N. Pothier DD, Hughes CX, Papsin BC. 2013 November.

UNITED KINGDOM

IRISH JC

Provider Level Quality Audit Feedback to Surgeons and Pathologists. European Cancer Congress 2013. Amsterdam, Netherlands. Presenters: McFadyen C, Lankshear S, Divaris D, Berry M, Hunter A, Irish JC. 2013 September.

LAUGHLIN S

Clinical and Radiological Features of Diabetes Insipidus in Pediatric Intracranial Germinoma. 3rd International CNS Germ Cell Symposium. Cambridgeshire, United Kingdom. With: Kilday JP. 2013 April.

UNITED STATES

ADAMSON PA

Rhinoplasty. Panel Discussion with A Ki, et al. Facial Plastic Surgery Clinics of North America, ed. Fedok and Kellman, R, Elsevier, Philadelphia. 25-56. 2014 February.

Global Facial Beauty: Approaching a Unified Facial Ideal. With Noah Sands. 11th International Symposium of Facial Plastic Surgery, ed. Sykes, JM and Sclafani, AP, Thieme Medical Publishers, Inc. New York NY. Gallies reviewed (3/14).

Revision Rhinoplasty. Panel Discussion with J Warner et al. Controversies and Techniques, Facial Plastic Surgery Clinics of North America. Elsevier, 22(2014), 55-96.

ALEXANDER A

The Fountain of Youth: Patient reported outcomes following facelift surgery. International Symposium of Facial Plastic Surgery. Manhattan, New York State. 2014 May.

BLASER S

Pictorial Review of Pediatric Syndromic CNS Vascular Disorders. 57th Annual Meeting & Postgraduate Course of the Society for Pediatric Radiology (SPR). Washington, DC. Muthusami P, Branson H, Seed M, Bradley T, Bowdin S, Blaser S. Educational Poster Presentation. 2014 May.

Evaluating the Staging of Pediatric Orbital Cellulitis Utilizing Computerized Tomography. American Academy of Ophthalmology Annual Meeting (AAO). New Orleans, LA. Le TD, Liu ES, Adatia FA, Buncic JR, Blaser S. 2013 November.

BRADLEY G

Neutrophils Increase the Invasiveness of Oral Squamous Cell Carcinoma Through an Invadopodia-dependent Pathway. American Academy of Oral & Maxillofacial Pathology Annual Meeting. St. Augustine, FL. Magalhaes M, Glogauer J, Sun C, Bradley G, Glogauer M. 2014 April.

BRANDT MG

The Aesthetic Unit Principle. Annual Meeting of the American Academy of Facial Plastic & Reconstructive Surgery. New Orleans, LA. 2013 October.

CAMPISI P

Normative Growth of Cartilaginous Ribs in Children Using Computed Tomography Imaging. The 2013 Society for Ear, Nose and Throat Advances in Children meeting. Long Beach, CA. Vilchez LD, Forte V, Peer S, Campisi P, Propst E. 2013 December.

CHIODO A

Improved Training and Testing in Otoscopy – From Classroom to OSCE's. Healthcare Education Assessment Training and Technology Conference. Orlando, FL. Sinclair A, Campisi P, Forte V. 2014.

CUSHING S

Prevalence, Evaluation and Management of Mental Health Symptoms in Children Presenting with Vertigo and Disequilibrium. SENTAC. Long Beach, CA. Liberman G, Papsin BC, Gordon KA, Cushing S. 2013 December.

Objective Measurements of Balance Dysfunction in Children with Sensorineural Hearing Loss and Cochlear Implants. Conference on Implantable Auditory Prostheses. Lake Tahoe, NV. Cushing S, Wolter NE, Papsin BC, Gordon KA. 2013 July.

DABDOUB A

Generation of Induced Neurons from Cochlear Non-Sensory Epithelial Cells in Adult Mice. Association for Research in Otolaryngology Annual Meeting. With: Nishimura K, Weichert R. 2013.

GOLDSTEIN D

The Natural History of Primary Cutaneous Endocrine (Merkel Cell) Carcinoma: 20 year experience from a Canadian perspective. Society Surgical Oncology, 67th Annual Cancer Symposium. Phoenix, AZ. Presenters: Pooni A, Goldstein D, Ghazarian D, Hogg D, Joshua A, Irish J. 2014 March.

Longer Survival in HPV-related Head and Neck Cancer Patients Following Positive Post-radiation Planned Neck Dissection. 2014 Multidisciplinary Head and Neck Cancer Symposium. Scottsdale, AZ. Presenters: Huang SH, Patel S, O'Sullivan B, Shen X, Xu W, Irish J, Gilbert R, Gullane P, Waldron JN, Goldstein D. 2014 February.

GORDON KA

Temporally Coordinated Activity in the Brain is Evoked by Long-Term Cochlear Implant use in Children. Conference of the Association for Research in Otolaryngology, San Diego, CA. With Jiwani S, Doesburg S, Papsin BC. 2014 February (abstract won Audiologist Travel Award).

Objective measurements of balance dysfunction in children who are deaf, Poster presentation, Conference of the Association for Research in Otolaryngology, San Diego, CA, Wolters N, Vilchez-Madrigal L, Papsin BC, Cushing S. 2014 February (abstract won Resident Travel Award).

Measuring Binaural Integration in Children. Poster presentation, Conference of the Association for Research in Otolaryngology, San Diego, CA, Steel MM, Papsin BC. 2014 February (abstract won Graduate Student Travel Award).

The Impact of Challenging Environmental Stimuli on Balance in Children with Bilateral Cochleovestibular Loss: Balancing in a Virtual World, Oral presentation, Triological Society Eastern Section Conference. With Wolter N, Cushing S, Papsin BC. 2013 (submitted paper won William W. Montgomery, MD Resident Research Award).

Objective Measurements of Balance Dysfunction in Children with Bilateral Cochlea-Vestibular Loss who use Cochlear Implants. Society of Ear Nose and Throat Advances in Children. Long Beach, CA. With Wolter N, Papsin B, Cushing S. 2013 December.

Can the New 422 Cochlear Implant Electrode Array Preserve Hearing while Working as Efficiently as the Freedom Array? Society of Ear Nose and Throat Advances in Children. Long Beach, CA. With Polonenko MJ, Papsin BC. 2013 December.

Clinical Benefit to Implanting a New Transcutaneous Bone Conduction Device in Children. Poster presentation. Society of Ear Nose and Throat Advances in Children. Long Beach, CA. With Polonenko MJ, Carinci L, Cushing SE, Papsin BC. 2013 December (Won 1st prize for best poster).

Hazardous Effective Sound Levels of Infant Sleep Machines. Oral presentation. Society of Ear Nose and Throat Advances in Children. Long Beach, CA. With Hugh S. Wolter N, Propst E, Cushing S, Papsin B. 2013 December.

Assessing the Effects of Deafness on Cortical Networks in the Developing Human Auditory System. Poster presentation. Conference on Implantable Auditory Prostheses. Lake Tahoe, CA. With de Vreede DK, Yoo P, Papsin BC. 2013 July.

Long Durations of Unilateral Cochlear Implant use do not Protect the Unstimulated Pathways from Effects of Auditory



Deprivation. Poster presentation. Conference on Implantable Auditory Prostheses. Lake Tahoe, CA. With Jiواني S, Papsin BC. 2013 July.

GULLANE P

The Changing Profile of Outcome in Long-Term Follow up of a Randomized Trial for Locally Advanced Head and Neck Cancer. ASTRO. California, 2013 November.

HARRISON RV

Structural (corrosion Cast) Analysis of Cochlear Blood Vessels in a Mouse Model of Age Related hearing Loss. Mid-Winter Meeting Association for Research in Otolaryngology (ARO). San Diego, CA. With Carraro M. 2014 February.

IRISH JC

The Natural History of Primary Cutaneous Endocrine (Merkel Cell) Carcinoma: 20 year experience from a Canadian perspective. Society of Surgical Oncology 67th Annual Cancer Symposium. Phoenix, AZ. 2014 March.

A Population-Level Approach to Improving Turnaround Times for Colorectal Cancer Resection Reports, United States & Canadian Academy of Pathology's 103rd Annual Meeting. San Diego, CA. 2014 March.

A Surgical Navigation System for Non-Contact Diffuse Optical Tomography and Intraoperative Cone-Beam CT. SPIE Photonics West BiOS 2014 (Multimodal Biomedical Imaging IX). San Francisco, CA. 2014 February.

Longer Survival in HPV-related Head and Neck Cancer Patients Following Post-Radiation Planned Neck Dissection. 2014 Multidisciplinary HNC Symposium. Scottsdale, AZ. Presenters: Huang SH, Patel S, O'Sullivan B, Shen X, Xu W, Irish JC, Gilbert R, Gullane P, Waldron JN, Goldstein D. 2014 February.

Ultra-minimally Invasive Sentinel Lymph Node Mapping Using Near-infrared Fluorescence Thoracoscope with Indocyanine Green in Porcine Lung. Annual Conference of Society of Thoracic Surgeons. Orlando, FL. Presenters: Wada H, Hirohashi K, Anayama T, Nakajima T, Kato T, Chan H, Qiu J, Daly M, Weersink R, Irish JC, Waddell T, Keshavjee S, Yoshino I, Yasufuku K. 2014 January.

Freehand Navigated Pelvic Bone Cuts using an Osteotome and an Oscillating Saw A Sawbone and Cadaver Study Assessing Accuracy and Reproducibility of Resection Planes. CTOS 18th Annual Meeting. New York, NY. Presenters: Sternheim A, Wunder J, Ferguson P, Irish JC, Griffin A, Daly M, Weersink R, Qiu J, Chan H. 2013 October.

Prognostic Impact of Chemotherapy Treatment on Osteosarcoma of the Head and Neck: A Retrospective Study of 16 Patients at Mount Sinai Hospital. CTOS 18th Annual

Meeting. New York, NY. Presenters: Burtenshaw SM, Irish JC, Dickson BC, Kassel E, Perez-Ordóñez B, Gilbert R, Gullane P, Blackstein ME. 2013 October.

LEE J

Session Moderator. Treatment Outcomes for Chronic Rhinosinusitis. Combined Otolaryngology Spring Meeting, American Rhinologic Society. Las Vegas, Nevada, United States. Presenter(s): Folbe, A, Lee J. 2014 May.

Invited Guest Faculty and Moderator. Case Panel: Balloon, Endoscopic or Open? Approaches for Best Results. The PENN International Rhinology and Comprehensive Skull Base Course. Philadelphia, PA. Dissection Lab Instructor & Moderator. 2014 March.

Invited Speaker. State of the Art: Surgical Management of Aspirin Exacerbated Respiratory Disease. North American Rhinology and Allergy Conference. San Juan, Puerto Rico. 2014 January.

Invited Guest Faculty and Panelist. The Sinus is Open but it's Still Diseased-What do I do now? Summer Sinus Symposium. American Rhinologic Society. Chicago, IL. Presenter(s): Moderator: Dr. Alex Chiu. 2013 July.

Invited Guest Faculty and Panelist. Sinus Emergencies: Hairy Situations and Operative Misadventures. Summer Sinus Symposium, American Rhinologic Society. Chicago, IL. Presenter(s): Moderator: Dr. Jayakar Nayak. 2013 July.

MARTINO R

Dysphagia Research Society Annual Meeting. Effect of prophylactic PEG tube placement on swallow physiology in patients undergoing radiotherapy for head and neck cancer: A systematic review. Nashville, TN. With Shaw S, O'Sullivan B, Hope A. 2014 March.

Hypoxemia in Adult Patients with Dysphagia: Can it be reliably measured? Dysphagia Research Society Annual Meeting. Nashville, TN. With Tram T, Davis A, Fehlings M, Ringash J, Walsh S, Shaw S, Streiner D. 2014 March.

Comparing Physiological Swallow Measures Captured on Videofluoroscopy at Different Frame Rates: A preliminary analysis. Dysphagia Research Society Annual Meeting. Nashville, TN. With Shaw S, Gomes A, Gilbert R, Waldron J, Siu LL, Montenegro-Suris A, Parulekar W, O'Sullivan B. 2014 March.

Swallowing Musculature: Architectural analysis and 3D reconstruction. American Association of Clinical Anatomists Annual Meeting. Denver, CO. With Shaw SM, Mahdi A, Agur A. 2013 July.

NG R

CPAP Compliance: Effects of CPAP adaptation periods, OSA severity and other parameters on CPAP compliance. 28th Annual Meeting of the Associated Professional Sleep Societies. Minneapolis, MN. With Chow, T, Fang, J. 2014 May/June.

POTHIER DD

Gerretsen P, Remington G, Quilty LC, Borlido C, Hassan S, Polsinelli G, Teo C, Mar W, Simon R, Pothier DD, Menon M, Nakajima S, Caravaggio F, Mamo DC, Rajji TK, Mulsant B, Deluca V, Ganguli R, Pollock BG, Graff-Guerrero A: The VAGUS-Self-Report & Clinician-Rated Versions: A Novel Insight into Psychosis Scale for Use Across the Adult Late-Life Span. The American Association for Geriatric Psychiatry Annual Meeting. 2014 Annual Meeting. Orlando, FL. 2014 March.

RALHAN R

Molecular Signature for Predicting Risk of Cancer Development in Oral Lesions with Dysplasia. Annual Conference of the Academy of Oral and Maxillofacial Pathology (AAOMP). St. Augustine, Florida. With Kaur J, Matta A, Kak I, Srivastava G, Assi J, Leong Witterick I, Colgan TJ, MacMillan C, Siu KWM, Mock D. 2014 April.

Ep-ICD Overexpression Associates with Poor Prognosis in Invasive Ductal Carcinoma. San Antonio Breast Cancer Symposium. San Antonio, Texas, With Matta A, Assi J, Srivastava G, Chang M, Walfish PG. 2013 December.

Transglutaminase II Expression in Invasive Ductal Carcinomas. ASCO Breast Cancer Symposium. San Francisco, CA. With Assi J, Srivastava G, Matta A, Chang M, Walfish PG. 2013 September.

NATIONAL MEETINGS**GOLDSTEIN D**

Clinical Outcomes of T4 Larynx Cancer Treated with Primary Radiotherapy Compared to Primary Laryngectomy. CARO-COMP 2013 Joint Scientific Meeting. Montreal, QC. Presenters: Vengalil S, Giuliani M, Huang SH, McNiven A, Qiu X, Xu W, Chan B, Hope A, Cho J, Bayley A, Ringash J, Goldstein D, Razak A, Waldron J, Kim J, O'Sullivan B. 2013 September.

LAUGHAN S

Cavitary Leukoencephalopathy in Infants with Complex 1 Deficiency. American Society of Neuroradiology. Montreal, QC. With: Krishnan P, Siriwardena K, Feigenbaum A, Raiman J, Schulze A, Meaney B, Van der Knaap M, Blaser S, 2014 May.

MARTINO R

MRI-based Neuroanatomical Predictors of Dysphagia, Dysarthria, and Aphasia in Patients with a First Acute Ischemic Stroke. 3rd Canadian Stroke Congress. Montreal, QC. With Flowers H, AlHarbi M, Silver F, Mikulis D, Chakravarty MM, Fang J. 2013 October.

International Harmonization and Pilot Testing of the English Language Screening Test (LAST). 3rd Canadian Stroke Congress. Montreal, QC. With: Flowers H, Flamand-Roze C, Denier C, Roze E, Silver F, Rochon E, Skoretz SA, Baumwol K, Burton L, Brookes K, McGovern A, Harris G, Tyson S, Langdon C, Major K, Shaw S. 2013 October.

Using a Bibliometric Approach for a Clinical Question that Generates a Large Volume of Literature. 21st Cochrane Colloquium. Quebec City, QC. With Shaw SM, Skoretz S. 2013 September.

PROVINCIAL/LOCAL MEETINGS**ANDERSON J**

A New Approach for Arytenoidectomies: Improved Outcomes with the Endoscopic Mucosal Advancement Flap. Canadian Society of Otolaryngology-HNS, 68th Annual Meeting. Ottawa, ON. 2014 May.

CAMPISI P

18F-FDG-PET/CT for Pre-Operative Staging of Pediatric Thyroid Nodules: Initial experience at a single institution. 2013 Canadian Cancer Research Conference. Toronto, ON. Wasserman JD, Vali R, Charron M, Forte V, Campisi P, Propst EJ, Shammass A. 2013 November.

IRISH JC

Developing a New Provincial Sarcoma Services Plan through Regional Involvement. AARC Conference. Toronto, ON. Presenters: Howse C, Hertz S, Irish JC, Catton C. 2014 May.

Ultra-minimally Invasive Sentinel Lymph Node Mapping Using a Combination of Transbronchial Injection of Indocyanine Green and Near-infrared Fluorescence Thoracoscope. AATS. Toronto, ON. Presenters: Wada H, Hirohashi K, Anayama T, Nakajima T, Kato T, Chan H, Qui J, Daly M, Weersink R, Jaffray D, Irish JC, Waddell T, Keshavjee S, Yoshino I, Yasufuku K. 2014 April.

LAUGHLIN S

Implementation of a Portable CT Scanner in an ICU Setting-Quality Improvement Project. University of Toronto. Toronto, ON. With: Lau C, Singhal N, Eini M, Sehgal A, Kukreti V, Mak L, Gignac C, Guimond J, Goerz K, Macartney J, Stanisic A, Joseph S, Hyslop C, Niles E, Guerguerian AM, Ben David G, Billanti C, Padfield N, Karban D, Charkot E, Raybaud C, Shroff M. 2014 June.



LEE J

Invited Speaker. Endoscopic Approaches to the Frontal Sinus: Demystifying the Frontal Sinus Through Practical Tips. 68th Annual Meeting of the Canadian Society of Otolaryngology-Head & Neck Surgery. Ottawa, ON. 2014 May.

Session Moderator. What about Biofilms? Annual Meeting, American Rhinologic Society. Vancouver, BC. Presenter(s): Getz, A. Lee, J. 2013 September.

RALHAN R

Molecular Signature for Predicting Risk of Cancer Development in Oral Lesions with Dysplasia. Ontario Centre of Excellence Discovery. Toronto, ON. With Kaur J, Matta A, Kak I, Srivastava G, Assi J, Leong I, Witterick I, Colgan TJ, MacMillan C, Siu KWM, Mock D. 2014 May.

MEDIA PRESENTATIONS

ANDERSON J

Interview: Voice Disorders in Singers/Actors. Prelude Magazine. Toronto, ON. 2014 April.

ASARIA J

Non-Surgical Treatments – Hollywood Men. e-Talk. 2014 February 7.

Facial Hair Transplantation. CBC – The National. 2014 April 6.

Facial Hair Transplantation. BBC News. 2014 April 7.

Facial Hair Transplantation. CNN. 2014 April 7.

CAMPISI P

OtoSim Fundraiser, OmniTV. 2013 November 27.

PROCEEDINGS OF CONFERENCES

James AL. Implantable Hearing Aids: Candidacy considerations in pediatric cholesteatoma. Cholesteatoma and Ear Surgery – An Update. 2013:pp. 293-296. Principal Author.

James AL. The Effect of Tympanostomy Tubes on Tympanic Membrane Retraction in Children with Cleft Palate. Cholesteatoma and Ear Surgery – An Update. 2013:pp. 309-312. Principal Author.

James AL. Approaches to Cholesteatoma with an Intact Ossicular Chain: Combined use of microscope, endoscope and laser. Cholesteatoma and Ear Surgery – An Update. 2013:pp. 333-336. Principal Author.

Kandasamy T, Papsin BC, Cushing SL and James AL. Effectiveness of Cartilage Tympanoplasty after Erosion of the Incus in Children with Cholesteatoma. Cholesteatoma and Ear Surgery – An Update. 2013:pp. 459-462. Senior Responsible Author.

The data provided within this annual report does not include information pertaining to faculty members: Julija Adamonis, Maxine Armstrong, Glenn Beard, Ida Bennett, Deron Brown, Marlene Cashman, Nitin Chauhan, Joseph Da Silva, Dustin Dalgorf, Taryn Davids, Nito De Souza, Susan Druker, David Finkelstein, William El Masri, Lendra Friesen, David Goldfarb, Gina Goulding, Hany Guirgis, David Hacker, Jerry Halik, Martyn Hyde, Thileep Kandasany, Anil Katyal, William Kaul, Jack Kolenda, Randy Leung, Bosco Lui, Laurie MacDonald, Jeffrey Mendelsohn, Robert Mounsey, David Naiberg, Xerxes Punthakee, Richard Rival, Nadia Sandor, Nadarajah Sanjeevan, Lorne Segall, Manish Shah, Jack Shahin, David Shipp, Kari Smilsky, Oakley Smith, Alma Smitheringale, Philip Solomon, Eloise Thurier, Cory Torgerson, Adam Toth, Jeffrey Werger, Ken Williams, Jill Witte, Erica Wong

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