



ANNUAL REPORT 2012-2013



Otolaryngology - Head & Neck Surgery
UNIVERSITY OF TORONTO

Leading Innovation. Achieving Impact

UNIVERSITY OF TORONTO FACULTY OF MEDICINE

Department of Otolaryngology–Head & Neck Surgery

Professor and Chair	Dr. I.J. Witterick
Director of Postgraduate Education	Dr. P. Campisi
Director of Undergraduate Medical Education	Dr. A. Chiodo
Assistant Director, Pre-Clerkship	Dr. A. Vescan
Assistant Director, Post Clerkship	Dr. J. Lee
Director of Continuing Education and Professional Development	Dr. Y. Chan
Director of Research	Dr. R.V. Harrison
Liaison Community Academic Faculty	Dr. Y. Chan
Grand Rounds Coordinator	Dr. Vito Forte
Journal Club Coordinator	Dr. Adrian James
National In-Training Coordinator	Dr. Molly Zirkle

Otolaryngologists-in-Chief:

University Health Network	Dr. R. Gilbert
Mt. Sinai Hospital	Dr. I.J. Witterick
The Hospital for Sick Children	Dr. V. Forte/B. Papsin (as of April 1, 2013)
St. Michael's Hospital	Dr. J. Anderson
Sunnybrook Health Sciences Centre	Dr. J.M. Chen
Toronto East General Hospital	Dr. O. Smith
St. Joseph's Health Centre	Dr. R. Fox
North York General Hospital	Dr. E. Gooden
Mississauga Academy of Medicine	Dr. J. Mendelsohn

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Facial Plastic and Reconstructive Surgery	Dr. P. Adamson

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Postgraduate	Dr. P. Campisi
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Chair's Report

Dr. Ian Witterick



I am very pleased to bring you this Annual Report for the 2012-13 academic year during my first year as Chair of the Department. I am so thankful to our dedicated faculty, residents and fellows who have helped and supported me over the last year. There is a real sense of collegiality and cooperation throughout the Department. I especially want to thank our former chair, Dr. Patrick Gullane who has been most helpful and supportive over many

years but particularly during my first year in this position.

There are many details outlined in this report that have happened over the last year. The following is a summary of some of the highlights.

Gullane Tribute

In July 2012, we held a tribute dinner for Dr. Gullane for his 10 years of service to the Department as Chair. This was attended by over 180 colleagues and friends of Dr. Gullane including many international colleagues. There were moving speeches and accolades for Dr. Gullane related to his impact on our specialty, especially the surgeons he has trained. It was obvious to all that he has had a huge influence on head and neck oncology around the globe. Photos of the event follow this report.

Changes in Hospital Leadership

There have been changes in leadership at several of our hospitals. I took over from Dr. Jeremy Freeman as Otolaryngologist-in-Chief at Mt. Sinai Hospital (MSH) in July 2012. Dr. Freeman did a wonderful job as Chief over the previous 10 years with numerous achievements. Friends, family and colleagues of Dr. Freeman gathered on April 29, 2013 to honour him for his years of service to MSH, and in particular his 10-year term as Otolaryngologist-in-Chief. There were numerous accolades given and a beautiful portrait was uncovered which now hangs prominently in the 4th floor Mezzanine at MSH.

Dr. Ralph Gilbert took over from Dr. Gullane as Otolaryngologist-in-Chief at the University Health Network in

November 2012. Dr. Gilbert has an international reputation in the management of complex head and neck cancer patients and in particular the microvascular reconstruction of these patients. Dr. Gullane was Chief for 23 years and brought the UHN department from strength to strength; he helped to put UHN on the map as one of the premier head and neck oncology cancer treatment sites in the world.

Dr. Blake Papsin took over from Dr. Vito Forte as Otolaryngologist-in-Chief at the Hospital for Sick Children (HSC) in April 2013. Dr. Forte did a wonderful job as Chief at HSC over the last ten years. He introduced numerous innovations in education and research. Dr. Forte continues to be an exceptional pediatric otolaryngologist with superb clinical skills and wonderful innovative ideas. Dr. Papsin is an international authority in pediatric cochlear implantation who has great ideas and plans to bring HSC "to the next level" in clinical care, education and research. I look forward to working with both Drs. Gilbert and Papsin in their new roles.

Undergraduate Medical Education

On the education front we have had another outstanding year. I want to thank the education leads, Dr. Al Chiodo (Undergraduate Medical Education - UME), Dr. Paolo Campisi (Postgraduate Medical Education - PGME) and Dr. Yvonne Chan (Continuing Education and Professional Development - CEPD).

Dr. Chiodo has taken on the UME portfolio with a passion. He has been assisted in this role by Dr. Allan Vescan (Pre-Clerkship Director) and Dr. John Lee (Post-Clerkship Director). Dr. Chiodo's report outlines some of the innovations in UME but one of the highlights is his setting up a mechanism to have almost half of the 3rd year clerks rotate in community sites with our community academic partners. This is particularly important because many clerks do not learn general otolaryngology in our core academic sites because of sub-specialization. Dr. Chiodo has been wonderful in engaging our community academic faculty to help with this important process including setting up two faculty development sessions for them related to UME teaching. We are really looking forward to this new process in the 2013-14 academic year. I am indebted to our community academic leaders and partners for helping with this process.

Another innovation in UME this year was the adoption of OtoSim™ in the first and second year medical school classes as detailed in Dr. Chiodo's report. The link to a video produced is available at:

<http://www.youtube.com/watch?v=8WHbeByOTc>

Postgraduate Medical Education

Dr. Campisi has done a fantastic job as Program Director over the last year. He has everything very organized along with our Postgraduate Administrator, Ms. Sandra Kellogg. The entire postgraduate program at The University of Toronto underwent the regular six year Royal College accreditation in April 2013. Our Department underwent this external assessment and review. We were cited as having no weaknesses similar to our last review in 2007 as well as our own internal review as part of the University of Toronto postgraduate internal review system. My sincere thanks to Dr. Campisi, our faculty and residents for their energy, support and help in making this one of the best residency programs in the world.

I am also happy to report that all of our PGY5 residents were successful in passing their Royal College certification examination in May 2013. Congratulations to Drs. Jennifer Guillemaud, Luke Harris, Brad Hubbard, Thileep Kandasamy, and Eric Monteiro. There were also numerous activities for the residents to participate inside and outside of the hospital including a very successful and fun bowling night on March 20, 2013.

Continuing Education and Professional Development

Dr. Yvonne Chan has brought significant energy and new ideas to the CEPD portfolio. We again had numerous visiting professors and organized courses during the academic year. Dr. Chan has been instrumental in enhancing our alumni relations. She is planning new courses not only for our specialty but Family Practice and others. In addition to being the Director of CEPD, she also is the liaison with our Community Academic Faculty and has been so helpful in setting up the undergraduate and postgraduate education programs at the Mississauga Academy of Medicine (MAM).

The highly anticipated 2nd World Congress on Thyroid Cancer is being organized by members of our Department, particularly Dr. Jeremy Freeman, on July 10-14, 2013. In addition, over the next several years our Department will be host to two international cochlear implant meetings.

Dr. Chan has organized Grand Rounds to be available on-line through the Ontario Telehealth Network each Friday morning. In addition, Grand Rounds are archived so they can be viewed at a later time.

I am very thankful to Drs. Chiodo, Campisi and Chan for the substantial time and effort they put into making our educational programs of such high caliber.

Research

Dr. Robert (Bob) Harrison, Director of Research, had another very 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 8, 2012. Year after year we have 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 a great venue for everyone to learn about all of the wonderful research taking place by our residents, fellows and faculty.

A new and improved Research Committee is being planned for the 2013-14 academic year to help capture all of this activity and create new collaborations and ideas. The Department funded five junior faculty members to take a CIHR grant writing course and several residents to take courses on writing research papers this year.

We had a very successful Percy Ireland Annual Academic Day and Dinner on May 9-10, 2013. The quality of the resident, fellow and graduate research papers was excellent. The Guest of Honour, Dr. Wilf Goodman, gave a thought provoking commentary on transformation and future changes in Canada's healthcare system.

I would like to highlight that this is the second year in a row that residents in our Department (Dr. Vinay Fernandes and Dr. Xiao Zhao) won the first and second prizes in the basic science (non-clinical) category in the Poliquin Resident Research Competition at the annual meeting of the Canadian Society of Otolaryngology-Head and Neck Surgery held in Banff, AB in June 2013. Congratulations to both Drs. Fernandes and Zhao.

Details of publications and presentations are detailed elsewhere in this report. There were more than 220 publications in 102 journals and over 200 invited presentations/lectures/panels in 20 countries outside of Canada.

External Review

Dr. Joseph Chen, Otolaryngologist-in-Chief at Sunnybrook Health Sciences Centre underwent a very successful 5-year external review late in 2012. Dr. Manohar Bance, Chair of Otolaryngology-HNS from Dalhousie University was the reviewer and had many accolades for Dr. Chen as well as the department at Sunnybrook. Congratulations to Dr. Chen who has been appointed for another 5-year term as Chief of Otolaryngology at Sunnybrook.



Retirement

In August 2013, Ms. Krista Riko retired. Krista directed our Audiology Committee for many years, more recently with Ms. Vicky Papaioannou. Vicky has taken over as Chair of this committee which has such an important role, particularly for the education of our residents. Krista was recognized by our Department in the naming of an Annual Krista Riko Lectureship. We are indebted to Krista for her many years of service and collegiality to the Department. We wish her years of happiness in retirement.

New Faculty

There are many new faculty in the Department. As of June 1, 2013, Dr. John de Almeida joins the Department as a full-time faculty member. Dr. de Almeida was a resident in our program and then went on to do two years of fellowship in head and neck oncology, microvascular reconstruction, robotic surgery and skull base surgery. We welcome John back to our Department at UHN with a cross-appointment to MSH.

Dr. Alain Dabdoub, PhD was recruited from California with an incredible pedigree of research funding and publications in inner hair cell research. Dr. Chen was instrumental in identifying and recruiting Dr. Dabdoub and his research team to work in the Sunnybrook Research Institute. Dr. Dabdoub will collaborate with many in our Department including Drs. Chen and Lin.

I would like to welcome our new clinical adjunct faculty, Drs. Nitin Chauhan, Basil Hassouneh, Ambrose Lee, Nadarajah Sanjeevan, and Raewyn Seaberg.

Promotions/Change in Status

Congratulations to Dr. Joseph Chen who was promoted to Full Professor effective July 1, 2013. I would also like to congratulate Dr. John Lee and Dr. Danny Enepekides who were successful in passing their probationary term reviews. They have been transferred to full-time academic status and Dr. Lee was promoted to Assistant Professor.

Awards and Honours

There were numerous awards and honours our residents, fellows and faculty received this year which are detailed elsewhere in the report. However, I would like to highlight two award winners. The first is Dr. Arnold Noyek who was named as an Officer of the Order of Canada "for his dedication to helping those with hearing loss and for his contributions to peace through healthcare partnerships in the Middle East".

I would also like to acknowledge Dr. Al Chiodo who won four awards this year. These include awards for continuing education, postgraduate medical education and research. I do not think I have seen anyone win so many high caliber awards in different areas in one year. Congratulations to Arnold, Al and everyone else that received an award or honour this year.



Al Chiodo with his wife Nadia, and his children, David and Sara, on the evening of the Education Achievement Event where Al received the IME and Colin Woolf Awards.

Our congratulations should also go to Dr. Pat Gullane who became President of the Canadian Society of Otolaryngology-Head and Neck Surgery at the annual meeting of the Society in June 2013. The next annual meeting where Dr. Gullane will preside will be held in Ottawa.



Pat Gullane's inauguration as President of the CSO-HNS, June 4, 2013 with out-going President, Karen Kost.

Congratulations as well to Dr. Dale Brown who became President of the Eastern Section of the Triological Society this year.

Alumni Relations

As mentioned above, we have made a concerted effort to connect and engage our alumni. We have done this through newsletters and annual reports. We have initiated an "Alumni and Friends Dinner" which was held after Otolaryngology Update on February 2, 2103. The venue was the University of Toronto's Hart House and we had a great dinner and very interesting entertainment. There were more than 100 in attendance and overall we thought the evening was a great success. The next event was our Percy Ireland Dinner on May 9, 2013 followed by a reception held at the CSO-HNS meeting in Banff on June 3, 2013. A further alumni reception is planned for the 2nd World Congress of Thyroid Cancer meeting in Toronto on July 13, 2013 as well as at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting in Vancouver on September 30, 2013. We have over 800 alumni in the Department and we would like them to feel part of our collective.



President's Banquet, CSO-HNS, Banff, Alberta, June 4, 2013, L to R: Evan Propst, Vincent Lin, Ian Witterick, Aimee Mabini, Pat Gullane, Aman Grewal, Paolo Campisi, Tony Eskander

Advancement

The Department has embarked on an ambitious advancement campaign to help fund our education and research programs. I am in indebted to our new advancement officer, Ms. Farzana Rajwani in helping to support our fundraising efforts. This year we raised \$30,000 through a donation from Mr. Mark Daniels to fund two new microscopes for the Surgical Skills Centre at MSH.

One of our alumni, Dr. Raymond Ng made a generous gift of \$100,000 to the University of Toronto which was matched by the Provost and Dean of Medicine to create two endowed University of Toronto graduate research awards in the Faculty of Medicine, Department of Otolaryngology-HNS.

Dr. Jeremy Freeman organized a very successful fundraiser on May 22, 2013. The inaugural Harry Barberian Memorial Dinner honoured Mr. Harry Barberian, an iconic restaurateur

in Toronto. Mr. Barberian's family was very grateful for the care Dr. Freeman provided to him. The Master of Ceremony was Mr. Ben Mulroney and the Guest Speaker was Mr. Darryl Sittler. More than \$50,000 was raised which will go towards supporting resident and faculty research in our Department.

Strategic Plan

Our strategic planning has gone very well over the last year. The Strategic Planning Steering Committee held three meetings culminating in a faculty-wide retreat on June 15, 2013. Faculty voted on many resolutions and the *Strategic Academic Plan: 2013-2018* is scheduled for implementation on October 1, 2013. I would like to thank all members of the Strategic Planning Steering Committee as well as the many faculty who participated in this most important process.

Great Support

I would like to thank Dr. Vito Forte for coordinating Grand Rounds and Dr. Adrian James for coordinating Journal Club. We are also so appreciative of the many corporate sponsors who support our education programs throughout the year. A special thanks to the three individuals who keep our Department running: Ms. Audrea Martin, Business Office, Mrs. Sonia Costantino, Executive Assistant and Ms. Sandra Kellogg, Postgraduate/Undergraduate Administrative Assistant. I would also like to thank Dean Catharine Whiteside for her ongoing support of our Department.

We have an absolutely outstanding faculty, our residents and fellows are of the highest caliber and the education and research taking place in our Department is of very high quality. It is a real testament to all of the individuals who put so much time and effort in to making this one of the best Departments of Otolaryngology-Head and Neck Surgery in the world! I hope you enjoy reading this report and please let me know if you have any questions.

Tribute Dinner for Dr. Patrick Gullane July 20, 2012



Tribute dinner for Dr. Patrick Gullane July 20, 2012



**Mr. Paul Alofs (President and CEO PMCC Foundation),
Professor Catharine Whiteside
(Dean of Medicine, University of Toronto)**



Alumni Drs. Steve Siomra, Frank Bravo, K-Y Chow



Mrs. Barbara Myers, Dr. Eugene Myers, Dr. David Briant



Drs. Phil Wade, Pat Gullane and Cam MacArthur



**Dr. Chris Dhepnorrarat (Fellow), Dr. Matthew Magaery
(Fellow), Dr. Allan Vescan, Mrs. Lauren Vescan,
Dr. Eric Monteiro (PGY5)**



Drs. Jon Irish and Doug Chepeha



Residents - Back row: Drs. Aman Grewal, Eric Monteiro, Vinay Fernandes, Xiao Zhao; Front Row: Ms. Rachel Glicksman, Drs. Michael Sklar, Gian-Marco Busato, Nik Wolter



Drs. Jon Irish, Hadi Seikaly, Brian O'Sullivan



Fellows (past and present): Drs. Matthew Magarey, Ben Dixon, Eric Bissada, Pat Gullane, Raefe Gundelach, Marc Cohen, Carsten Palme



Drs. Kevin Higgins, Joe Chen and Vito Forte



Friends, family and colleagues of Pat Gullane









Departmental Program Directors: Joe Chen (2001-2004), Dale Brown (1998-2001), Wilf Goodman (1967-1988), Ian Witterick (2004-2012), Paolo Campisi (2012-present), Derek Birt (1988-1998)



Living Departmental Chairs: Peter Alberti (1982-1992), Patrick Gullane (2002-2012), Ian Witterick (2012-present), Julian Nedzelski (1992-2002)



Drs. Ralph Gilbert, Ashok Shaha, Pat Gullane, Jatin Shah



Residents: Drs. Eric Arruda, Nik Wolter, Vinay Fernandes, Eric Monteiro, Pat Gullane, Xiao Zhao, Gian-Marco Busato, Michael Sklar, Aman Grewal

Mission Statement

The mission of the Department of Otolaryngology-Head & Neck Surgery, Faculty of Medicine, University of Toronto is, within the framework of the Faculty's own Mission Statement, to provide excellence and international leadership in all aspects of Otolaryngology – Head and Neck surgery, by teaching, undertaking research in this and related areas, and by exemplary clinical practice in the broad field covered by the discipline.

- I. The teaching of fundamental skills and basic understanding of otolaryngology – head and neck surgery to undergraduates and the full rounded training of postgraduates are deemed of equal importance. The Department also teaches allied health care professionals and has responsibility in Continuing Medical Education.
- II. The mission of the Department in research is to give priority (without weighting) to communicative disorders, clinical epidemiology, neuro-otology, oncology, psycho-acoustics, respiratory physiology and auditory and vestibular physiology. Research priorities are seen to stem from clinical questions although research itself may be quite basic.
- III. The clinical mission of the Department is to provide exemplary clinical practice in the areas of medical care in which our staff engage, under the broad headings of general otolaryngology, communicative disorders, facial plastic and reconstructive surgery, head and neck oncology, neurotology, paediatric otolaryngology and rhinology. Exemplary is defined as excellent practice in numbers large enough to maintain and improve skills of the teachers and to facilitate the remainder of the Department's mission.

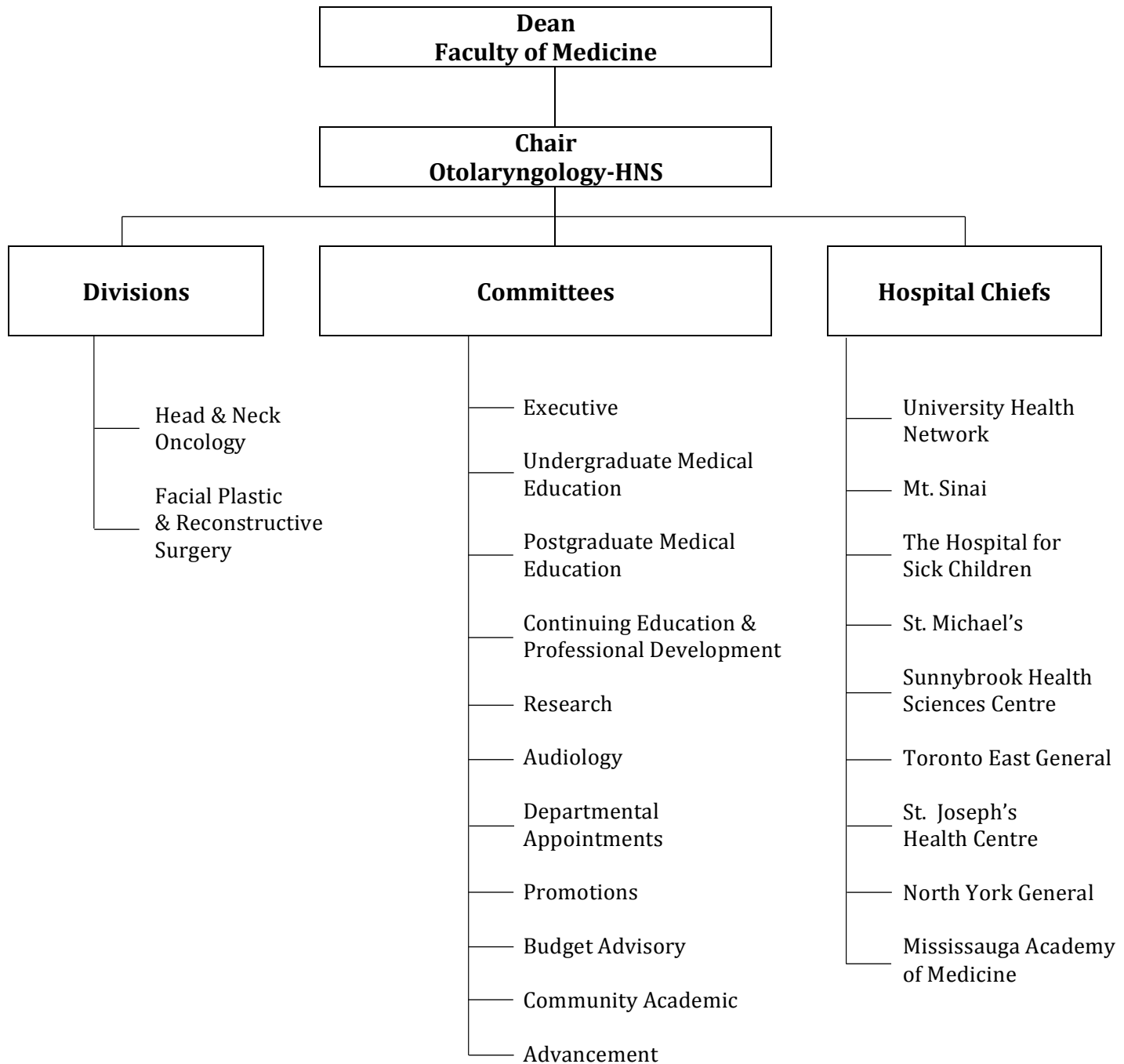
The primary postgraduate mission is to train Otolaryngology – Head & Neck Surgeons for practice in Canada. In addition, the Department has a strong tradition of training Canadian and international fellows in subspecialty clinical otolaryngology and/or research (clinical or basic science). Fellowship training builds international relationships and brings recognition and prestige to the University of Toronto. Fellows enhance the training of our residents by the knowledge they bring from their residency training programs and by the contacts our residents make for their own potential fellowship training outside of Canada. When teaching capacity exists, the Department tries to accommodate international resident trainees funded from sources outside the Ontario Ministry of Health for practice in their own countries.

These goals will be achieved by:

- Endeavouring to provide the highest possible quality of otolaryngological care;
- Providing stimulating teaching to undergraduates, residents, fellows, practitioners and other health care workers;
- Striving to create and maintain an atmosphere that fosters an alert academic/scientific attitude and attempting to transmit this viewpoint to students at all levels;
- Establishing a working environment that will attract and hold people with outstanding professional and personal qualifications.



Department of Otolaryngology-Head & Neck Surgery Organizational Structure



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, HBSoc

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

W.S. Middleton, MD, FRCSC

V. Papaioannou, MCISc

E.J. Propst, MD, MSc, FRCSC

M. Shah, MD, MPhil, FRCSC

D.B. Shipp, MA

O. Smith, MD, FRCSC

M. Zirkle, MD, Med, FRCSC

Lecturers:

J. Adamonis, MCISc

M. Armstrong, BSc Hon, MSc Aud(c), Reg CASLPO

J. Asaria, MD, BSc, FRCSC

G. Beard, MD, FRCSC

I. Bennett, MA

M.G. Brandt, BSc, MD, FRCSC

D. Brown, MD, FRCSC

N. Chauhan*, MD, FRCSC

A.J. da Silva, MB, 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

B. Hassounah*, BSc, MD, FRCSC

R. Hekkenberg, MD, 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
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:

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.A. Sharpe, MD, FRCPC, Medicine
P.G. Walfish, MD, FRCPC, Medicine
N. Zamel, MD, FRCPC, Medicine

Associate Professors:

S. Blaser, MD, FRCSC, Medical Imaging
G. Bradley, DDS, MSc, Faculty of Dentistry
E. Kassel, DDS, MD, FRCPC, Medical Imaging
R. Martino, MSc, MA, Ph.D., Speech Language Pathology
L.E. Rotstein, MD, FRCSC, Surgery
G.P. Taylor, MD, FRCPC, Laboratory Medicine & Pathobiology
A.M-F. Wong, MD, PhD, FRCSC, FAAO, Ophthalmology & Vision Sciences

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
B. Perez-Ordóñez, MD, FRCPC, Laboratory Medicine & Pathobiology
S. Symons, BAsC, MPH, MD, FRCPC, Medical Imaging
J. Waldron, MD, FRCPC, Radiation Oncology
E. Yu, MD, FRCPC, Medical Imaging

Lecturers:

J. Allegro, MSc, Speech Language Pathology
D. Storms, MSc, Speech Language Pathology
P. Ranalli, MD, FRCPC, Medicine

Administrative Staff:

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

Honors and Awards

ADAMSON P

2012 Friend of the Polish Rhinology Society Award. For contributions to the Polish Rhinology Society.

ANDERSON J

2013 Philanthropy award by St. Michael's Hospital Foundation for fundraising work to fund a Voice Chair.

BLASER S

2013 May 22 ASPNR 2013 Gold Medal Award Recipient. 51st Annual ASPNR Meeting - American Society of Pediatric Neuroradiology. San Diego, California, United States.

CAMPISI P

2013 The Alma Smitheringale Undergraduate Teaching Award, Department of Otolaryngology-Head & Neck Surgery, University of Toronto.

CHEN J

2012 Received the prestigious Harris P. Mosher Award for his Triologic Thesis "Cost Utility Assessment of Bilateral Cochlear Implantation: A Health Economic Evaluation in Adults from the Perspective of a Publicly Funded Program".



CHIODO A

2013 Colin Woolf Award for Excellence in Course Coordination (for OtoUpdate), University of Toronto

2013 Integrated Medical Education (IME) Excellence in Community-Based Teaching Award (hospital setting), University of Toronto

2013 Research Educator Award, Toronto East General Hospital

2013 Fowler Award, Toronto East General Hospital

CHOW KY

2013 Queen Elizabeth II Diamond Jubilee Medal in commemoration of the sixtieth anniversary of her Majesty's Accession to the Throne and in recognition of his contributions to Canada.

COCHLEAR IMPLANT TEAM at THE HOSPITAL FOR SICK CHILDREN

2013 Canadian Association of Speech-Language Pathologists and Audiologists Award of Excellence for Interprofessional Collaboration.

FORTE V

2013 2013 Canadian Association for Medical Education (CAME) Certificate of Merit Award recognizes faculty committed to medical education.



Vito Forte, Andrew Sinclair, Paolo Campisi



GANTOUS A

2013 2012-2013 Department of Medical Education & Scholarship, St. Joseph's Health Centre, PGME category award for Excellence in Clinical Teaching. This award recognizes physician preceptors who have 1) had a significant impact on medical students, residents and fellows at St. Joseph's Health Centre, 2) demonstrated the ability to be an excellent role model as evidenced in the CanMEDS Framework, 3) demonstrated the utilization of innovative and creative teaching methods and 4) demonstrated enthusiasm for teaching (excellent rapport with learners).

MARTINO R

2012 BRS-S Award for best oral paper from a Speech-Language Pathologist, Dysphagia Research Society. (Distinction) 'Dysphagia screening skill maintenance on the TOR-BSST© and web-based refresher: A randomized controlled trial.' Oral paper presentation.

2012 Fellow of the American Speech-Language-Hearing Association (ASHA), ASHA, United States. (Distinction) Nominated by Dr. Susan Langmore. Fellowship is one of the highest forms of recognition given by ASHA of an individual's accomplishments, and is public declaration of their outstanding professional achievements.

NOYEK A

2013 Officer of the Order of Canada

PAPSIN B

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).

SMITH O

2013 Toronto East General Chief of Staff Choice Award for Research Leadership. This award is chosen by the Chief of Staff to honour a researcher who has contributed significantly.

WITTERICK I

2013 University of Toronto Department of Otolaryngology-Head & Neck Surgery Resident Advocate Award

2013 Canadian Society of Otolaryngology-HNS Educational Excellence Award



Ian Witterick receiving the CSO-HNS Award for Educational Excellence, June 4, 2013 from Award's Chair and U of T Alumnus, John Yoo

Leadership Activities

ABEL S

2013	Member, Promotions Committee. Occupational and Environmental Health Unit, Dalla Lana School of Public Health.
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.
2007-present	Member, Knowledge and Information Management Committee (KIMC). Defence Research & Development Canada – Toronto.
2000-present	Member, Acoustics Subsection. Environmental Health Working Group, Multilateral Medical Operations Panel, International Space Station.

Grant Reviews: National Health and Medical Research Council of Australia.

Journal Reviews:

Aviation, Space and Environmental Medicine
Experimental Brain Research
Human Factors
Journal of the Acoustical Society of America
Journal of Noise & Health, Editorial Board Member/
Reviewer
Military Medicine

ADAMSON P

	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, Bylaws and Publications Committee.
2006-present	Member, Audit Committee.

2003-present	Senior Advisor, Board of Directors.
1989-present	Board Examiner (2 day annual examinations).
1989-present	Contributor of oral examination protocols.

Humanitarian Missions

2013 June	Face the Future™ humanitarian mission to Ulyanovsk, Russia. Chef de Mission for a team of 6. Demonstration surgery, teaching. 1 week.
2013 February	Face the Future™ humanitarian mission to King Faisal Hospital and National Military Hospital, Kigali, Rwanda. Chef de Mission for a team of 10. Demonstration surgery and teaching. 1 week.
2012 October	Face the Future™ and Face to Face combined humanitarian surgical mission to Bonum Centre, Ekaterinburg, Russia. Chef de Mission for team of 10. Demonstration surgeries, consulting and teaching. 1 week.
2012-present	President, International Board for Certification in Facial Plastic and Reconstructive Surgery.
2012-present	Senior Advisor, JAMA Facial Plastic Surgery, JAMA Facial Plastic Surgery.
2012-present	Editorial Board, Modern Aesthetics Magazine.
2011-present	Advisor, Facial Plastic Surgery Clinics Advisory Board.
2011-present	Advisor, Pan Asian Academy of Facial Plastic and Reconstructive Surgery
1997-present	Manuscript Reviewer, The Laryngoscope, American Laryngological, Rhinological, and Otological Society Inc. (Aka The Triological).
1995-present	Manuscript Reviewer, Journal of Otolaryngology-Head & Neck Surgery, American Academy of Otolaryngology-Head & Neck Surgery (AAO-HNS).
1994-present	President, 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, Canadian Society of Otolaryngology-Head & Neck Surgery (CSO-HNS).



BRADLEY G

- 2012-present Head of the Discipline of Oral Medicine and Oral Pathology, Faculty of Dentistry.
- 2011-present Council of Health Sciences Education Subcommittee (Faculty of Dentistry representative).
- 2007-present Associate Dean, Biological and Diagnostic Sciences, Faculty of Dentistry.

BRANDT M

- 2012-present Electronic Communications Editor, Canadian Society of Otolaryngology–Head and Neck Surgery.
- 2011-present Undergraduate Medical Education Committee, Canadian Society of Otolaryngology-Head and 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 and Neck Surgery.

BROWN D

- 2013-2014 President, Eastern Section of the Triologic Society.
- 1998-present Surgical Oncology Representative, PMH/ TTH Systems & Health Records Integration Advisory Forum. University of Toronto, Department of Otolaryngology-HNS.
- 1995-present Central Canada Representative, Nucleus Committee in Otolaryngology. The Royal College of Surgeons in Canada.
- 1993-present Chair, Hospital Laser Committee. Toronto General Hospital.
- 1990-present Consultant Otolaryngologist. Niagara ENT Consultants, Niagara Falls. ON.
- 1990-present Consultant Otolaryngologist. Sensenbrenner Hospital, Kapuskasing, ON.
- 1989-present Otolaryngology Representative, Operating Room Committee. Toronto General Hospital.

CAMPISI P

- 2013-2014 Eastern Section Liaison, Triological Society Combined Sections Program Committee.
- 2012-2014 Medical Staff Association (President), The Hospital for Sick Children: Medical Staff Association Committee. Medical Advisory Committee. Senior Management Committee. Board of Trustees. Clinical Relations Committee, Faculty of Medicine, University of Toronto. President and Chief Executive Officer Search Committee (2013).

Reviewer:

- 2006-present Archives of Otolaryngology, Head and Neck Surgery.
- 2005-present Laryngoscope.
- 2005-present Journal of Otolaryngology.
- 2004-present International Journal of Pediatric Otorhinolaryngology.
- 2004- present Pediatrics and Child Health.

CONRAD K

- 2008-present Credentials Committee (Canadian representative) American Board of Facial Plastic and Reconstructive Surgery.

CHIODO A

- 2013 Course Director, 11th Annual Otolaryngology-Head & Neck Surgery Update, University of Toronto, Toronto East General.
- 2013 Reviewer/Interviewer, Admissions, Faculty of Medicine, University of Toronto.
- 2013 Member, Longitudinal Integrated Clerkship Committee, Faculty of Medicine, University of Toronto.
- 2012-2013 Member, Strategic Planning Committee, Department Of Otolaryngology-Head & Neck Surgery, University of Toronto.
- 2012-2013 Chair, Undergraduate Medical Education-Strategic Planning Subcommittee, Department Of Otolaryngology-Head & Neck Surgery, University of Toronto.
- 2012-2013 Member, Clerkship Committee, Faculty of Medicine, University of Toronto.
- 2012-2013 Member, iOSCE Committee, Faculty of Medicine, University of Toronto.
- 2012 Member, Faculty Council Continuing Education and Professional Development Committee. University of Toronto, Toronto, ON.

CUSHING S

Editorial Board, Otolaryngology.
Board Member, Society for Ear Nose and Throat
Advancements in Children.

DAVIDS T

2010-present Reviewer, Otolaryngology-Head and Neck
Surgery, Laryngology.

DRUKER S

2005-present Interprofessional Practice Rounds
Committee. Hospital for Sick Children.

ELLIS D

2009-present Founding Director, Pan Pacific Academy of
Facial Plastic & Reconstructive Surgery.
2009-present Peer Assessor Quality Management
Division, Pan Pacific Academy of Facial
Plastic & Reconstructive Surgery.
2003-present Member, International Federation of Facial
Plastic Surgery Society.
1993-present Member, The Founders Club.

ENEPEKIDES D

2011-present Site Group Chair, Head and Neck Oncology,
Odette Cancer Centre.
2006-2012 Editor. Current Opinion of Otolaryngology
Head and Neck Surgery - Reconstructive
Surgery Section.
2002-present Reviewer. Head and Neck.
2002-present Reviewer. Otolaryngology-Head and Neck
Surgery.
2002-present Reviewer. The Laryngoscope.
2002-present Reviewer. Archives of Otolaryngology Head
and Neck Surgery.
2011-2013 Scientific Review Committee, Toronto, ON.
8th International Conference on Head and
Neck Cancer.

American Head and Neck Society

2012-present Advanced Training Council - subcommittee
on Robotic Surgery.
2011-present Member, Advanced Training Council
Committee.
2012-2013 Planning committee for 2013 Annual AHNS
Meeting, Orlando, FL.

Sunnybrook Health Sciences Centre

2007-present Member, Laser Safety Committee.
2009-present Member, AFP Committee.

FREEMAN J

2009-present Special Reviewer, Union for International
Cancer Control Fellowships.
1992-present Guest Editor, Operative Techniques
in Otolaryngology-Head & Neck Surgery
"Oral Cavity Reconstruction".
1992-present Member, Committee on Principles of
Surgery Examination, Royal College of
Physicians and Surgeons of Canada.
1990-present Member, Surgery, Obstetrics and
Gynaecology.
1989-present Member, Head and Neck Surgery.
1989-present Member, Operative Techniques in
Otolaryngology-Head & Neck Surgery.
1987-present Consultant Otolaryngologist, Canadian
Medical Protective Association.
1985-present Member, Canadian Journal of
Otolaryngology.
1983-present Consultant Otolaryngologist, Workers'
Compensation Board of Ontario.

Mount Sinai Hospital:

2008-present Member, Audit and Risk Management
Committee.
2008-present Member, Business Development and
Research Commercialization Committee .
2008-present Member, Information Technology
Committee.
2008-present Member, Quality Committee.
2008-present Member, Resources Committee.
2006-present Member, Centre of Excellence Committee.
2000-present Coordinator, Annual Morley Binstock Lecture
and visiting professorship.
Which has incorporated the Schering and
Abbott lectures and visiting professorship.
Outstanding dignitaries in the field of head
and neck oncology have visited.



**Uncovering of portrait for Dr. Jeremy Freeman
April 29, 2013; L to R: Daughters Lauren
holding Raphael – and Allison,
wife Elayne and Jeremy Freeman**



GILBERT R

- 2009-present Member, Board of Trustees. University Health Network.
- 1999-present Reviewer, Editorial Board, Head and Neck Surgery (Journal).
- 1991-present Member, Practice Guidelines Initiative, Provincial Head and Neck Cancer Disease Site Group. Cancer Care Ontario.
- 1989-present Reviewer, Editorial Board. Journal of Otolaryngology.
- 1988-present Consultant in Surgical Oncology. Surgical Oncology, Toronto-Sunnybrook Regional Cancer Centre.

National Cancer Institute of Canada (NCIC)

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

Princess Margaret Hospital

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

GOLDSTEIN D

- 2012-present Editor, Ear Nose and Throat Journal.
- 2012-present Reviewer, Journal of Reconstructive Microsurgery.
- 2012-present Reviewer, Journal of Clinical Oncology.
- 2012-present Reviewer, ORL.
- 2012-present Reviewer, Journal of Skin Cancer.
- 2012-present Reviewer, Journal of Surgical Oncology.
- 2011-present Member of the Board, Melanoma Network of Canada, Canada (National Patient Led Organization).
- 2011-present Member, Microvascular Surgery Committee. American Academy of Otolaryngology.
- 2009-present Reviewer, World Journal of Surgery.
- 2009-present Reviewer, European Journal of Cancer.
- 2009-present Member, Publications Committee. American Academy of Otolaryngology.
- 2008-present Reviewer, Archives of Otolaryngology.
- 2007-present Reviewer, Canadian Medical Association Journal.
- 2007-present Reviewer, Head & Neck.
- 2007-present Director of Research, Head and Neck Surgical Oncology Fellowship. University Health Network.
- 2006-present Reviewer, Journal of Otolaryngology.
- 2006-present Reviewer, Otolaryngology Head & Neck Surgery.
- 2006-present Co-Coordinator, Head and Neck Oncology & Endocrinology Rounds, Weekly Multidisciplinary Rounds. University Health Network.

GOODEN E

- 2011-present Board Member, NYGH Foundation Board of Governors.
- 2012-present Development Committee. NYGH Foundation.

GORDON K

- 2013 MSc Thesis Examiner, Allison Needham. Supervisor: Paul Sandor, Institute of Medical Science, University of Toronto.
- 2013 Poster Judge, Scientific Day. Collaborative Program in Neurosciences.
- 2012 MSc Thesis Examiner, Sinthujah Varatharajah, Supervisor: Margot Taylor, Department of Psychology, University of Toronto.
- 2011-present Member, Admissions committee, Institute of Medical Science.
- 2009-present Member, Audiology Committee. Department of Otolaryngology-Head and Neck Surgery, University of Toronto.
- 2009-present Member, Research Committee, Department of Otolaryngology-Head and Neck Surgery, University of Toronto.
- 2009-present Member of the Board of Directors, Society for Ear, Nose and Throat Advances in Children, Annual Meeting.
- 2009-2010 Program committee member, Society for Ear, Nose and Throat Advances in Children, Annual Meeting.

The Hospital for Sick Children

- 2010-2013 Judge, Restrcomp Awards.
- 2010-present Member, Scientific Advisory Board. Neuroscience and Mental Health.

Journal Reviewer:

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

Funding Agencies

- Reviewer, Canadian Institutes of Health Research.
- Reviewer, National Institute of Health.

GULLANE PJ

2013-2014	President, Canadian Society of Otolaryngology-Head & Neck Surgery.
2012 June	Presentation of the Queen Elizabeth II Diamond Jubilee Medal
2007-present	Associate Editor. Head and Neck.
2006-present	Consultant, Instruction Advisory Course Committee. American Academy of Otolaryngology - Head and Neck Surgery.
2005-present	Council Member. International Federation of Head and Neck Oncologic Societies (IFHNOS).
2005-present	Member. Journal Auris Nasus Larynx, International Journal of ORL & HNS (Elsevier)-Japan.
2003-present	Member. On Line Journal Head and Neck Surgery-Oncology.
2002-present	Council Member. American Head and Neck Society.
2002-present	Senior Scientist, Cancer Informatics. Ontario Cancer Institute.
2000-present	Member. The Laryngoscope.
1999-present	Member, International Advisory Board, Saudi Arabia. The Saudi Journal of Oto-Rhino-Laryngology Head and Neck Surgery.
1997-present	Faculty Member. SiPac (Self-Instructional Packages).
1993-present	Medical Director, Otolaryngology-HNS/Plastic Business Unit.
1993-present	Member. Surgical Services Advisory Committee.
1993-present	Member. Surgical Program Management Committee.
1993-present	Member. American Journal of Otolaryngology.
1993-present	Medical Assessor, Toronto. Workers' Compensation Appeals Tribunal.
1991-present	Member. Journal of Skull Base Surgery.
1989-present	Founding Member. North American Skull Base Society.
1989-present	Member. American Academy of Otolaryngology - Head and Neck Surgery, SiPac Faculty.
2004-present	Reviewer. Lebanese Journal.
2002-present	Reviewer. Journal of Vascular Surgery.
1991-present	Reviewer. Journal of Skull Base Surgery.
1991-present	Reviewer. Les Annales d'Otolaryngologie et de Chirurgie Cervico-acciale (France).
1989-present	Member, Medical Advisory Committee.
1981-present	Reviewer. The Journal of Otolaryngology - Head and Neck Surgery.

HIGGINS K

2012	Reviewer: American Head and Neck Society. Scientific Review Committee, 8th International Conference on Head and Neck Cancer.
2012-present	Member. American Head and Neck Society Scientific Review Committee.
2008-present	Member. American Head and Neck Society.
2008-present	Course Faculty/AO Member, The AO Foundation (The Association for the Study of Internal Fixation).
2006-present	International Fellow, American Academy of Otolaryngology-Head and Neck Surgery.
2006-present	Member. Canadian Academy of Facial Plastic and Reconstructive Surgery.
1997-present	Elected Member. Alpha Omega Alpha Honour Medical Society.

Editorial Boards:

2012-2013	International Journal of Otolaryngology and Head & Neck Surgery.
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Manuscript Reviews:

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	Laryngoscope.
2005-present	Journal of Otolaryngology- Head and Neck Surgery.

IRISH JC

2012-2016	Conference Chair. 9th International Conference on Head and Neck Cancer, Seattle, Washington, United States.
2010-2012	Interim Provincial Clinical Lead, Access to Services and Wait Times. Province of Ontario.
2008-2012	Program Chair. 8th International Conference on Head and Neck Cancer.
2008-present	Provincial Head, Surgical Oncology. Cancer Care Ontario.
2005-present	Regional Head, Surgical Oncology Program. The Toronto Central Local Health Integration Network (LHIN), Canada.
2001-present	Director, Surgical Services. Princess Margaret Hospital.
2010-present	Associate Editor. Head and Neck.
2010-present	Member. Editorial Board. Head and Neck.
2008-present	Reviewer. Cancer.
2007-2012	Examiner, Examination Board in Otolaryngology. Royal College of Physicians and Surgeons of Canada.

DEPARTMENT OF OTOLARYNGOLOGY - HEAD & NECK SURGERY



2003-present Reviewer. Laryngoscope.
 2003-present Reviewer. Otolaryngology-Head and Neck Surgery.
 2002-present Reviewer. Journal of Surgical Oncology.
 2002-present Reviewer. Head and Neck.
 1999-present Reviewer. Archives of Otolaryngology.
 1996-present Reviewer. British Medical Journal.
 1990-present Reviewer. Journal of Otolaryngology.

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.
 2011-2012 Member, Sarcoma Advisory Committee, Sarcoma Project Team.
 2009-present Chair, Models of Care Task Force-AFP-SRF Task Force.
 2009-present Member, Diagnostic Assessment Program Leadership Team.
 2008-present Provincial Head, Surgical Oncology Program, Ontario.
 2008-present Member, Multidisciplinary Cancer Conference Provincial Leadership Team.
 2008-present Member, Clinical Council.
 2008-present Member, Clinical Programs Operation Committee.
 2008-present Chair, Cancer Surgery Coordinating Committee.
 2006-present Member, Wait Times Leadership Committee.
 2005-present Chair, Toronto Central Surgical Oncology Council, Ontario.
 2004-present Lead, Access to Care and Strategic Funding Initiatives, Surgical Oncology Program.

Ministry of Health and Long Term Care:

2012-present Member, Head and Neck Organizational Standards Implementation Steering Committee.
 2012 Physicians Advisory Committee-2012 Physicians Services Agreement Negotiations, Ontario.
 2010-2012 Interim Provincial Clinical Lead, Surgery and Diagnostic Imaging Access To Care.
 2009-present Chair, Surgery and Diagnostic Imaging Council, Access to Care.
 2005-present Chair, Clinical Expert Panel-Cancer/Clinical Lead, Cancer Surgery.
 2001-present Member, Research Council in Oncology. Ontario Cancer Institute.

Princess Margaret Hospital:

2001-present Member, Cancer Program Executive Committee.
 2001-present Director, Surgical Services. Toronto General Hospital.
 2001-present Member, Surgical Programs Management Committee.

University Health Network:

2005-present Chair, Surgical Oncology Management Council.
 2001-present Member, Surgical Services Executive Committee.
 2001-present Member, Surgical Executive Committee.

LEE J

2011-present Editorial Board, American Journal of Rhinology and Allergy.
 2010-present Information Technology Committee, American Rhinologic Society.
 2010-present Rhinology Working Group, Canadian Society of Otolaryngology-Head & Neck Surgery.

Invited Reviewer:

2013-present Journal of Otology & Rhinology.
 2011-present 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.

LIU F-F

2012-present Member, Advisory Board; Research Training Program, University of Pennsylvania.
 2012-present Member, Advisory Board, Chinese University of Hong Kong – NPC.
 2008-2012 Chair, Appointments Committee, Ontario Cancer Institute.
 2008-2012 Member, Executive of UT-Department of Radiation Oncology.
 2006-2012 Member, ACOR in NCIC/CCSRI, National Cancer Institute of Canada.

Grant Reviews:

2012 Reviewer, Israel Cancer Research Fund, 2012 Review Panel.
 2012 Reviewer, Canadian Cancer Society Research Institute.
 2012 Reviewer, CIHR Catalyst.
 2012 Reviewer, NCI-US Special Emphasis Panel.
 2007-2012 Reviewer, Canadian Institutes of Health Research, CPT Panel.

MARTINO R

- 2013-2016 Faculty Member, Life Sciences (Division IV), Graduate Academic Appeals Board, School of Graduate Studies, University of Toronto.
- 2012-present Member, GDRS Council, Faculty of Medicine, Graduate Department of Rehabilitation Sciences, University of Toronto.
- 2009-present Scholarship Reviewer, 'Allied Health Professionals – Fellowships' Awards Committee. Canadian Institutes of Health Research.
- 2008-present Liaison Group Member, Inpatient. Communication Sciences and Disorders Clinical Trials Research Group (CSDRG).
- 2007-present Dysphagia Expert, Head and Neck Site. National Cancer Institute of Canada/ Clinical Trials Group.
- 2003-present Cochrane Affiliate. Canadian Association of Speech Language Pathology and Audiology (CASLPA).

Dysphagia Research Society (DRS):

- 2012-2013 Past President, Nominating Committee
- 2012-2013 Chair, Past President's Advisory Council
- 2012-2013 Chair, Recruitment Committee
- 2012-2013 Chair, Nominating Committee
- 2012-2013 Chair, Adhoc Society Liaison
- 2012-2013 Chair, Program

NAZARALI K

- Continuing Education Director - West End Otolaryngology-Head and Neck Surgery Group.
- Member- Pharmaceutical and Therapeutics Committee, Trillium Health Partners.
- Medical Advisory Service – Aga Khan Health Board for Ontario.

NGAN B

- 2000-2013 Reviewer: The American Journal of Pathology, Cellular & Molecular Biology Disease
- 1999-present Site Representative, Pathology Discipline, CureSearch, Children's Oncology group, United States
- 1999-present Member, Cancer Trial Support Unit, Pharmaceutical Branch, National Institute of Health, National Cancer Institute, United States

The Hospital for Sick Children:

- 2001-present Member. Capital Equipment Committee.
- 2001-present Member. Education Committee, Dept of Pediatric Laboratory Medicine.
- 1997-present Project Director. Research Institute.

NOYEK A

- 2012-present Member, Steering Committee, Canadian Representative. Middle East Health Association (MEHA).
- 2012-present Adjunct Professor, Faculty of Health, York University.
- 2008-present Assessor, Quality Assurance Program, College of Physicians and Surgeons of Ontario.
- 2008-present Reviewer (nominated by the American Academy of Otolaryngology- HNS), for the Intersocietal Commission for the Accreditation of Computed Tomography Laboratories (ICACTL). Columbia, Maryland.
- 2009-present Senior Ashoka Fellow for Canada.
- 2003-present Honorary Trustee, Toronto Cantorial Trust Fund. Cantorial Clergymen of Ontario.
- 2002-present Director, International Continuing Education, Faculty of Medicine, University of Toronto.
- 1985-present Chairman, Awards Committee for the Freda Noyek Otolaryngology Merit Award.
- 1984-present Founder, Canada International Scientific Exchange Program (CISEPO).

PAPAIIOANNOU V

- President of the College of Audiologists and Speech Language Pathologists of Ontario

PAPSIN B

- 2010-present How I do it (HIDI) Committee, Member - The Triologic Society.
- 2006-present Editorial Board, Reviewer - Archives of Otolaryngology-Head and Neck Surgery.
- 2006-present Editorial Board, Reviewer - Journal of Otolaryngology and Neurotology.
- 2004-present Editorial Board, Reviewer - International Journal of Pediatric Otorhinolaryngology.
- 2004-present Section on Otolaryngology - Head and Neck Surgery, Chapter Liaison - The American Academy of Pediatrics.
- 2004-present Editorial Board, Reviewer - BMC Ear, Nose and Throat Disorders.
- 2003-present Editorial Board, Reviewer - The Laryngoscope (Journal of the Triologic Society).
- 2000-present Editorial Board, Reviewer - University of Toronto Medical Journal.
- 1998-present Editorial Board, Reviewer - The Journal of Otolaryngology.

The Hospital for Sick Children:

- 2013-present Otolaryngologist-in-Chief.
- 2006-present Surgical Research Committee (Member).
- 2003-present Cochlear Americas Chair in Auditory Development.

DEPARTMENT OF OTOLARYNGOLOGY - HEAD & NECK SURGERY



2000-present Credentials Committee.
1997-2013 Director, Pediatric Cochlear Implant Program.

American Society of Pediatric Otolaryngology (ASPO):

2010-2013 Education and Curriculum, member.
2011-2014 Executive Committee, Board of Directors.
2013-2014 Nominating Committee (Member).
American Academy of Otolaryngology-Head and Neck Surgery (AAO-HNS):
2003-present Editorial Board, Reviewer.
2007-present Pediatric Otolaryngology Education Committee (Member).

The Journal of International Advanced Otology (IAO):

2010-present Editorial Board, Member.
2010-present Editorial Board, Reviewer.

PARKER D

2012 Member of the Initial Practice Registrants Task Force, College of Audiologists and Speech Language Pathologists of Ontario (CASLPO).
2010-present Peer Assessor for the College of Audiologists and Speech Language Pathologists of Ontario (CASLPO).

PROBST E

2013-present Member. Expert Committee for Development of Tonsillectomy Guidelines, Ontario Government.
2009-2010 Interviewer. Pediatric Otolaryngology Fellowship Program, Cincinnati, Ohio. Cincinnati Children's Hospital Medical Center.

Manuscript Reviews:

2012-present Sensors.
2006-present International Journal of Pediatric Otorhinolaryngology.
2005-present Canadian Medical Association Journal.

The Hospital for Sick Children:

2013-present Medical Advisor. Parent Education Group, Hospital Improvement Taskforce.
2013-present Undergraduate Education Site Director.
2013-present Residency Education Site Director.
2012-present Director, Flexible Endoscopic Evaluation of Swallowing (FEES) Clinic.
2012-present Fellowship Director.
2012-present Team Leader. Development of intravenous infusion safety detection system.
Collaborators: Brian Carillo, Dr. Vito Forte.

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

RUTKA J

2002-present Consultant Otolaryngologist. Dryden District Regional Health Center, Dryden, ON.
1994-present Consultant Panel Member. Ontario Anti-infective Review Panel. Toronto, ON.
1990-present Consultant Otolaryngologist. Workplace Safety & Insurance Appeals Tribunal (WSIAT of Ontario), ON.
1987-present Consultant Otolaryngologist. Meno Ya Win Sioux Lookout District Hospital, Sioux Lookout, ON.
1987-present Chief Otoneurologic Consultant. Workplace Safety and Insurance Board (WSIB) of Ontario.

Ontario Medical Association:

1998-present Member. Tariff Committee, Section of Otolaryngology.
1998-present Secretary. OMA Section of Otolaryngology.

SEABERG R

2008 - present Member, American Head and Neck Society.
2006 - present Alpha Omega Alpha Honor Medical Society.
2006 - present Member, Canadian Society of Otolaryngology-Head & Neck Surgery.
2006 - present Member, American Academy of Otolaryngology-Head & Neck Surgery.
2006 - present Fellow, Royal College of Physicians & Surgeons of Canada.
1998 - present Canadian Medical Association.

VESCAN A

2012-present	Reviewer. Canadian Journal of Otolaryngology.
2012-present	Reviewer. Allergy and Rhinology.
2012-present	Reviewer. Laryngoscope.
2012-present	Reviewer. Skull Base.
2012-present	Member . OR Committee, Mount Sinai Hospital.

WITTERICK I

2012	Course Co-Director, Microvascular Head & Neck Reconstruction. Co-Directors: Dr. R. Gilbert, Dr. P.J. Gullane, Dr. A. Rapidis.
2010-present	Member. Editorial Board. Skull Base.
2010-present	Associate Editor. American Journal of Rhinology & Allergy.
2009-present	Member. Editorial Board. Ear, Nose, and Throat Journal.
2004-present	Associate Editor. Allergy and Asthma.
1997-present	Associate Editor. Journal of Otolaryngology - Head & Neck Surgery.
2003-present	Course Co-Director, Annual Otolaryngology Update.

Manuscript Reviewer:

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	Laryngoscope.
1993-present	Journal of Otolaryngology-HNS.

North American Skull Base Society:

2013-present	Treasurer.
2011-present	Member. Constitution and Bylaws Committee.
2011-present	Member. Board of Directors.

World Congress on Thyroid Cancer:

2010-2013	Member. Organizing Committee, Second World Congress on Thyroid Cancer, July 10-14, 2013, Toronto.
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Canadian Society of Otolaryngology - Head & Neck Surgery:

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	Member. Fellowship Committee.
2010-2013	Chair. Rhinology Group.

Royal College of Physicians and Surgeons of Canada:

2012-present	Member. Surgical Foundations Working Group.
2010-present	Member. Accreditation Committee.
2012-2013	Member. Board of Examiners, Otolaryngology - Head & Neck Surgery.
2012	Chair. External Review of the Division of Otolaryngology - Head & Surgery, Department of Surgery. University of Calgary.
2012	Member. Consultation Team - Pontifical University of Chile.

Faculty of Medicine, University of Toronto:

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. Agenda 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.



Research Grants and Contracts

ABEL S

Abel SM, Ho G, Nakashima A, Burrell C. Strategies for Mitigating Communication Challenges and Hearing Loss in High-Level Noise During Military Manoeuvres. Defence R&D Canada, Personnel Partner Group, Human Integration Thrust. Internal Operating Grant 14dr, \$475,000. 2012-15.

BRADLEY G

Glogauer M (PI), Bradley G. The Role of Local Immune Response in the Invasive Behavior of Oral Squamous Cell Carcinoma. Faculty of Dentistry Research Fund. \$6000, October 2012 to September 2013.

BRANDT M

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

CAMPISI P

Principal Investigator: Hartnick C. Massachusetts Eye and Ear Infirmary, Boston, MA
Co-Investigators: Campisi P, Sataloff R, Kerschner J. Randomized Controlled Trial of Voice Therapy on Children with Vocal Fold Nodules. National Institute on Deafness and Other Communication Disorders, National Institutes of Health. 2012-2015.

CHIDO A

Supervisors: Chiodo A, Davies J, Dajelic L, Witterick I, Campisi P, Forte V. Otology Teaching Using a Otoscopy Simulator in a Classroom Session. 2013.

Supervisors: Chiodo A, Goldfarb J, Gupta V. Development & Validation of Patient Educational Materials for Pediatric Adenotonsillectomy. Community Health Project. 2012-13.

Supervisors: Witterick I, Vescan A, Lee J, Chiodo A et al. Canadian Health Economics, Health Outcome and Effectiveness Comparison of Treatment of the Frontal Sinus Ostium and Recess and Other Sinuses with Functional Endoscopic Sinus Surgery or Balloon Sinuplasty in Patient with Chronic Rhinosinusitis (The “CHEC” Study). Multicenter Randomized Study. 2011-12.

Supervisors: Cancelliere L, Chiodo A, Karavattathayil S. Leiomyoma of the Nasal Septum: A Rare Cause of Obstruction. Case report. 2012-13.

Supervisors: Figueroa R, Chiodo A. Comparison of Etiologic Factors for Otitis Media in 2 Different Socioeconomic Groups in Inner City Toronto. Determinants of Community Health Project. 2012-13.

GOLDSTEIN D

Collaborators: Alabhai S, Gilbert R, Gullane P, Brown D, Irish JC (Co-Investigators). Evaluation of Geriatric Assessment Tools to Predict Functional Decline in Elderly Patients. Use to Usual Care Granting Agency. Principal Investigator. MSH UHN AMO Phase 3 Innovation Fund. Total Amount: 112,364.8 CAD. 2012 Jul-2013. Jun: 56,182 CAD (prorated).

GORDON K

Primary Investigator: Harrison RV, Co-investigators: Gordon KA, Wang L-W, Lin V, Friesen L. Development and Ageing of Binaural Hearing. CIHR Team Grant. September 2010-2015. \$1,216,125.

Primary Investigator: Gordon KA, Co-investigator: Papsin BC. Cortical Plasticity in Children who are Deaf. CIHR Operating Grant. Oct 2009-Sept 2014. \$567,623.

GULLANE P

Primary Investigator: Goldstein D. Collaborators: Gullane P, Gilbert R, Irish JC, et al. Evaluation of Geriatric Assessment Tools to Predict Functional Decline in Older Patients Undergoing Major Head and Neck Surgery: Development of a Novel Approach to Selecting Older Patients for Surgical Treatment. Total Amount: \$50,000CAD. 2012 July-2013 June. \$12,500 CAD (prorated).

Primary Investigators: Fei-Fei Liu F-F, Kislinger T. A Systematic Preteomic Analysis Strategy for Biomarker Discovery in Head and Neck Cancer. CIHR. 2011-2013. Co-Applicant

Primary Investigator: Liu F-F. Collaborators: PMH Head & Neck Group- Gullane et al. The Role of Micro RNA's in Human Nasopharyngeal Carcinoma. Canadian Institutes of Health Research (CIHR). Total Amount: \$1,950,000 CAD. 2012 July-2013 June. \$390,000CAD (prorated). Co-Applicant.

Tribute Dinner for P Gullane. PMH Foundation. Total Amount: \$1,400,000. 2006 Sept-present.

2002 Oct-present Otolaryngology-Head and Neck Research. Private donation from Mr. R. Wharton. Total Amount: \$2,400,000.

Otolaryngology-Head and Neck Research. Private donation from The Mariano Elia Foundation. Total Amount: \$2,000,000. 2000 Aug-present.

Wharton Head and Neck Clinic. Private donation from Mr. R. Wharton. Total Amount: \$6,000,000. 1998 Mar-present.

HIGGINS K

Principal Site Investigator. Efficacy of Optically Guided Surgery in the Management of Early Stage Oral Cancer (COOLS trial). Terry Fox Research Institute (TFRI)/Canadian Cancer Society Research Institute. 25,000. 2012 July-2013 June.

IRISH J

Primary Investigator: Devins G. Co-Investigators: Ringash J, Martino R, Lebel S. A New Psychoeducational Intervention to Minimize Illness Intrusiveness in Head and Neck Cancer. Canadian Cancer Society Research Institute. Peer-reviewed funding Total Amount: \$242,421 CAD. 2012 Jul-2013 Jun: \$60,605 CAD (prorated). Co-Investigator.

Primary Investigator: Groome P. Collaborators: Booth C, Gilbert J, Grunfeld E, Irish J, Langley H, Lofters A, Moineddin R, Porter G. Understanding Diagnostic Episodes of Care in Patients with Early vs Late Cancers. Canadian Institutes of Health Research (CIHR). Non peer-reviewed funding Total Amount: \$413,622 CAD. 2012 Jul-2013 Jun: \$137,874 CAD (prorated). Co-Investigator.

Primary Investigator: Coburn, N. Collaborators: Coburn N, Irish JC, McLeod RS, Brar SS, Dixon ME, Dobrow M, Earle CC, Johnson A, Karanicolas PJ, Kiss AJ, Krahn MD, Law CH, Mahar AL, Paszat LF, Wright FC. A Population-Based Outcome and Economic Evaluation of Interventions for Gastric Cancer. Canadian Institutes of Health Research (CIHR). Non peer-reviewed funding Total Amount: \$371,784 CAD. 2012 Jul-2013 Jun: \$13,928 CAD (prorated). Co-Investigator.

Primary Investigator: Rosenthal, E. Collaborators: Irish JC, Jeffrey M. 8th Annual Conference on Head & Neck Cancer. NIH. Non peer-reviewed funding Total Amount: \$15,000. 2012 Jul - 2013 Jun: \$10,000 (prorated). Co-Investigator.

LEE J

Tsang G, Lee J. Simulation and a Training Model for Developing Basic Endoscopic Sinus Surgery Skills in the Novice Resident Trainee. St. Michael's Hospital AFP Innovation Funds Grant. Amount: \$9,875. Date: June 2013-present.

MARTINO R

Primary Investigator: McEwen S. Collaborators: Ringash J, Davis A, Jones J, Martino R. Developing a Model for an Integrated Rehabilitation Consultation Process with Survivors of Head and Neck Cancer. University of Toronto, Faculty of Medicine. Grant Miller Cancer Research Grant. \$24,465 CAD. 2013 Aug-2014 Jul. Co-Investigator.

Primary Investigator: Martino R, Ringash J. Collaborators: Longo C, Durkin L. 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. Canadian Centre for Applied Research in Cancer Control. \$50,000 CAD. 2013 Jul-2014 Jun. Co-Principal Investigator.

Collaborator: Silver F. Dysphagia Screening in Stroke Patients: TOR-BSST® Translation. Canadian Stroke Network. Knowledge Mobilization Grant. \$23,100CAD. 2013 Apr-2014 Mar. Principal Investigator.

Primary Investigator: Barker, J. Collaborators: Martino, R, Reichardt, T. Changes in Cardiac Function During a Swallow Exercise Program in Patients with Coronary Artery Disease. University Health Network. Allied Health Research Fund. \$1,146 CAD. 2013 Jan-2014 Jan. Co-Investigator.

Primary Investigator: Pothier L. Collaborators: Cuglietta L, Martino R. The Facebook Laryngectomy Support Groups Study. University Health Network. Allied Health Research Fund. \$763 CAD. 2013 Jan-2014 Jan. Co-Investigator.

Primary Investigator: Devins G. Collaborators: Irish JC, Lebel S, Ringash, Katz JM, Hart S (Co-Invs). A New Psychoeducational Intervention to Minimize Illness Intrusiveness in Oral Cancer. Canadian Cancer Society Research Institute. \$544,207 CAD. 2011 Jul-2014 Jun. Co-Investigator.

Collaborators: Yau T(PI), Granton J (Co-Inv), Ivanov J (Co-Inv). Screening for Dysphagia in Patients Following Prolonged Intubation: Validation of the Toronto Bedside Swallowing Screening Test (TOR-BSST®). Canadian Institutes of Health Research (CIHR). \$212,077 CAD. 2011 Apr-2014 Mar.

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

Primary Investigator: Korner-Bitensky N. Collaborators: Menon A (Co-PI), 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. StrokEngine: An Interactive e-Learning Resource for Moving Evidence-Based Stroke Rehabilitation into Clinical Practice – Continuation Project. Canadian Stroke Network. \$254,700 CAD. 2010 Sep-2013 Aug.



Collaborators: Streiner D (Co-PI), Davis A, Fehlings M, Ringash J. Psychometric Testing of a New Scale Measuring Medical Outcomes of Dysphagia (MOD) in Adult Patients with Swallowing Disorders Secondary to Head and Neck Cancer. Canadian Cancer Society Research Institute. 2009 Jul-2014 Jun. Principle Investigator.

Psychometric Testing of a New Scale Measuring Medical Outcomes of Dysphagia (MOD) in Adult Patients with Swallowing Disorders Secondary to Stroke, Cervical Spine Abnormalities and Head and Neck Cancer. Canadian Institutes of Health Research (CIHR). Collaborators: Streiner D (Co-PI), Davis A, Fehlings M, Ringash J (Co-Invs). \$396,289 CAD. 2009 Apr-2014 Mar. Principal Investigator.

NGAN B

Elucidating the Pathogenesis and Prognostic Features of Childhood Tumours with Studies in the Patterns of Immunological, Cytogenetic and Molecular Abnormalities of Benign and Malignant Childhood Malignancies. (Present)

Studies in Pediatric Lymphomas, the Distinctive Subtypes and Other Lymphoproliferative Diseases such as Post-Transplant Lymphomas, with Emphasis on Characterizing the Immunological and Molecular Mechanisms. (Present)

Studies in Pediatric Enteropathies, Gastro-Intestinal Disorders and the Role of Immune Mediators in Inflammatory Bowel Diseases. (Present)

Studies on the Role of Tissue Injury by Cytotoxic Lymphocytes, NK Cells, CD8 + Effector Cells and Inflammatory Mediators and the Control of Some of these Mechanisms by T Regulatory Cells and the Role Anti-Apoptotic Programs in Allograft Protection. (Present)

SEABERG R

Parathyroid Cysts; Case reports & Literature Review. 2013-present.

Head and Neck Manifestations of Syphilis; Case Report & Literature Review. 2013-present.

PAPSIN B

Gordon KA, Papsin BC. Cortical Plasticity in Children who are Deaf. CIHR - Operating Grant \$682,000. 2009 - 2014.

Gordon KA, Papsin BC. Restoring Binaural Hearing to Children who are Deaf. CIHR Operating Grant. \$623,602. 2013 - 2018.

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.

PROBST E

Collaborators: Forte V, Campisi P, Harrison RV, Kus L (Resident). 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. \$10,000 CAD. Injection of plastic polymer into animal vasculature to create cast of vessels/blood supply under various experimental models. 2012 Jan-present. Principal Investigator.

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

Corrosion Casting Project Support, Materials. Hospital for Sick Children Surgical Services Innovation Grant. The Hospital for Sick Children. \$10,000 CAD. Toronto, ON. 2011 Jul-2012 June.

Intravenous Extravasation Detector Project Support, Materials Hospital for Sick Children Surgical Services Innovation Grant. The Hospital for Sick Children. \$10,000 CAD. Toronto, Ontario, Canada. 2012 Jul-present.



RALHAN R

Ranju Ralhan International Science and Technology Partnerships Canada (ISTP Canada) – Department of Biotechnology (DBT) India. Development of Cancer Prognostic Test for prediction of aggressive disease in breast cancer patients. \$320,000. 2013 April-2015 March.

Ranju Ralhan Ontario Centres of Excellence (OCE) Diagnostic Assessment of Cancer Aggressiveness. \$125,000. 2013 March-2013 Dec.

Ranju Ralhan, Laurie Ailles, Alessandro Datti, Ajay Matta. CCSRI Innovation grant. Development of Novel Therapeutic Agents for Oral Cancer. \$200,000. 2013 Feb-2015 Jan.

Ranju Ralhan Spectrum Pharmaceuticals. Apaziquone: A novel potential drug for tobacco associated oral leukoplakia and squamous cell carcinoma. \$96,040. 2013 Jan-2013 Dec.

Ranju Ralhan Ontario Centres of Excellence (OCE). Diagnostic Assessment of Cancer Aggressiveness. \$50,000. 2012 Sept-2012 Dec.

WITTERICK I

Primary Investigators: Siu, KW Michael and Ralhan, Ranju. Collaborators: Colgan TJ, MacMillan CM. Translating Head and Neck Cancer Biomarkers into Diagnostic Assays. International Science and Technology Partnerships Canada (ISTP Canada), ISTP Program with DBT India. Total Amount: \$1,163,312. 2012 Jul-2013 Jun: 290,828 (prorated). Co-Investigator.

Primary Investigator: Warsh JJ. Collaborators: Li P, Tseng M. BDNF/TRPC Signal Transduction in Bipolar Disorder and Mood Stabilizer Action. Canadian Institutes of Health Research (CIHR). Total Amount: \$305,193 CAD. 2012 Jul-2013 Jun: 38,149 CAD (prorated). Co-Investigator.



Residents

PGY 1

Michael Au
Gian Marco Busato
Gavin LeNobel
Michael Sklar
Gordon Tsang

PGY 2

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

PGY 3

Antoine (Tony) Eskander
Vinay Fernandes
Lukas Kus
Jennifer Wang
Xiao Zhao

PGY 4

Eric Arruda
Janet Chung
Amandeep (Aman) Grewal
Mazin (Maz) Merdad
Tulika Shinghal
Nikolaus (Nik) Wolter

PGY 5

Jennifer Guillemaud
Luke Harris
Bradley Hubbard
Thileeban (Thileep) Kandasamy
Eric Monteiro



Front Row L to R:

Gavin le Nobel (PGY1), Lukas Kus (PGY3), Modupe (Dupe) Oyewumi (PGY2), Sarah Hugh (PGY2), Heather Osborn (PGY2), Paolo Campisi (Program Director), Michael G. Stewart (Visiting Professor), Ian Witterick (Chair), Jennifer Guillemaud (PGY5), Janet Chung (PGY4), Jennifer Wang (PGY3), Tulika Shinghal (PGY4), Luke Harris (PGY5);

Back Row L to R:

Gordon Tsang (PGY1), Michael Sklar (PGY1), Xiao Zhao (PGY3), Ed Park (PGY2), Kayvan Nateghifard (PGY2), Maz Merdad (PGY4), Michael Au (PGY1), Thileep Kandasamy (PGY5), Eric Monteiro (PGY5), Eric Arruda (PGY4), Aman Grewal (PGY4), Vinay Fernandes (PGY3), Nik Wolter (PGY3), Brad Hubbard (PGY5), Tony Eskander (PGY3);
Missing Resident: Gian-Marco Busato (PGY1)

Fellowships

Head and Neck Oncology:

Dr. Nidal Muhanna	Dr. Jonathan Irish [PMH/UHN]
Dr. Matthew Magarey	Dr. Jeremy Freeman [MSH] / Dr. Patrick Gullane [PMH/UHN]
Dr. Samip Patel	Drs. Dale Brown, David Goldstein [PMH/UHN] / Dr. Jonathan Irish [PMH/UHN]
Dr. Stephan Haerle	Dr. Ralph Gilbert [PMH/UHN] / Drs. Kevin Higgins, Danny Enepekides [SHSC]
Dr. Dev Kamdar	Drs. Kevin Higgins, Danny Enepekides [SHSC] / Dr. Jeremy Freeman [MSH]
Dr. Hussain Alsaffar	Dr. Jonathan Irish [PMH/UHN] / Drs. Dale Brown, David Goldstein [PMH/UHN]
Dr. Bradley Johnson	Dr. Patrick Gullane [PMH/UHN] / Dr. Ralph Gilbert [PMH/UHN]

Medical Neurotology/Otology:

Dr. David Pothier	Dr. John Rutka [UHN]
Dr. Paninee Charusripan	Dr. John Rutka [UHN]
Dr. Cristian Daszenies	Dr. John Rutka [UHN]
Dr. Reza Sani	Dr. John Rutka [UHN]
Dr. Annabelle Leong	Dr. John Rutka [UHN]

Laryngology:

Dr. Premsuda Sombuntham	Dr. Jennifer Anderson [SMH]
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Facial Plastic Surgery:

Dr. Alyn Ji Eun Kim	Dr. Peter A. Adamson [UHN]
Dr. James Bonaparte	Dr. David E. Ellis [UHN]
Dr. Siva Thiru	Dr. Kris Conrad [MSH]

Pediatric:

Dr. Sohit Kanotra	Drs. Paolo Campisi, Vito Forte, Robert V. Harrison [HSC]
Dr. Luis Madrigal Vilchez	Drs. Paolo Campisi, Vito Forte, Robert V. Harrison [HSC]

Rhinology:

Dr. Chris Dhepnorrarat	Dr. Ian Witterick [MSH]
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Otology Skull Base Surgery:

Dr. Christopher Arnolder	Drs. Joseph Chen, Julian Nedzelski, Vincent Lin [SHSC]
Dr. Jafri Kuthubutheen	Drs. Joseph Chen, Julian Nedzelski, Vincent Lin [SHSC]



Departmental Awards Program

Chapnik, Freeman and Friedberg Clinician Scientist Program Award was presented to Xiao Zhao (PGY3).

Awarded to a resident/fellow or junior faculty in the Department of Otolaryngology – Head and Neck Surgery enrolled in a Master of Science or Master's in Education or PhD degree at the University of Toronto.

Freda Noyek Otolaryngology Merit Award was presented to Eric Monteiro (PGY5). In recognition of special commitment to patient care and academic achievement.

Kris Conrad Merit Award in Facial Plastic Surgery was presented to James P. Bonaparte (Fellow in Facial Plastic Surgery). For demonstrating outstanding skills in facial plastic surgery.

Resident Advocacy Award was presented to Ian J. Witterick. In recognition of dedication to improving the residency program through support and mentorship.

The Shiley E.O. Pelausa Award was presented to Xiao Zhao. For demonstration of excellent clinical work by a PGY3.

The Wharton Head and Neck Research Award was presented to Tony Eskander (PGY3). For best paper in head and neck clinical or basic science research.



Merck PGY5 Award, L to R: Ms. Stephanie Cyr (Merck), Eric Monteiro, Brad Hubbard, Jennifer Guillemaud, Luke Harris, Thileep Kandasamy, Paolo Campisi

Merck PGY5 Award - consists of textbooks to graduating residents:

**Jennifer Guillemaud, Luke Harris
Bradley Hubbard, Thileep Kandasamy
Eric Monteiro**

The Department of Otolaryngology-Head & Neck Surgery Excellence in Teaching Award was presented to Adrian James.

Resident Teacher of the Year Award was presented to Eric Monteiro. Awarded to a PGY5 resident who is judged by his/her peers to have been an outstanding teacher to other residents and medical students during their residency.

The Alma Smitheringale Excellence in Undergraduate Teaching Award was presented to Paolo Campisi. Awarded to a faculty member, resident or fellow for outstanding undergraduate teaching, based on his/her teaching evaluation scores.

Distinguished Alumnus Award was presented to Oakley Smith. 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.

The Hugh Barber Award was presented to Jonathan Yip. Awarded to an undergraduate student in the final year of the MD program who has demonstrated excellence and interest in the area of Otolaryngology during the elective period.

Annual Percy Ireland Academic Day

The Department of Otolaryngology - Head & Neck Surgery held its 22nd Annual Percy Ireland Academic Day on May 10, 2013 at the University of Toronto Hart House. Visiting Professor Dr. Michael G. Stewart (Chair, Department of Otolaryngology at Weill Cornell Medical College in New York City) delivered The Percy Ireland Oration titled: "Outcomes Research and its Role in Otolaryngology-Head & Neck Surgery". As well, 24 papers were presented by the postgraduate/graduate trainees.

The winners of various departmental awards were as follows:

Best Paper in Each of Five Categories

Category 1 - Work undertaken by PGY 2 Residents during clinical rotation:

Sarah Hugh (mentors – **Evan Propst, Blake Papsin, Sharon Cushing**) - for her project: "Sound Pressure Level Measurements on Infant Sleep Machines".

Category 2 - Work undertaken by PGY 3 Residents during clinical rotation:

Antoine (Tony) Eskander (mentors: **David Goldstein, David Urbach, Jonathan Irish, Jeremy Freeman, Steven Hall & Patti Groome**) – for his project: "Head & Neck Cancer Epidemiology and Patterns/Variations in Surgical Care: The Province of Ontario".

Category 3 - Work undertaken by PGY 4 Residents during clinical rotation:

Nikolaus Wolter (mentors: **Karen Gordon, Blake Papsin & Sharon Cushing**) – for his project: "Pediatric Vestibular and Balance Impairment: A Risk Factor of Cochlear Implant Failure".

Category 4 - Work undertaken by Post-Residency Clinical Fellows:

David Pothier (mentor: **John Rutka**) – for his project: "Automated Computerized Dynamic Visual Acuity Testing: A Reliable and Useful Test of Vestibular Disorders".

Category 5 - Work undertaken by Post-Residency Research Fellows/Graduate Degree Program:

Salima Jiwani (mentors: **Karen Gordon & Blake Papsin**), for her project: "Auditory Development after Cochlear Implantation in Children Who Use Sign Language as their Primary Mode of Communication".

Best Overall Presented Paper:

Xiao Zhao, PGY3 (mentor: **Michael G. Fehlings**) for his project: "Role of Neuroprecursor Cells and Self Assembling Scaffolds in Nerve Regeneration".

Acknowledging our Supporters

Biomet Microfixation
Clarion Medical Technologies
DePuy Synthes
Fibertech Co.
Karl Storz Endoscopy Canada Inc.
KLS Martin Group
Medtronic Canada
Merck Canada Inc.
NeilMed Pharmaceuticals Inc.
Olympus Canada
Southmedic
Stryker Canada
Takeda Canada Inc.



Percy Ireland Annual Academic Day May 10, 2013 -
 The Great Hall, University of Toronto Hart House

Percy Ireland Day Dinner, May 9, 2013



The Hospital for Sick Children past and present. L to R: Jack Friedberg, Paolo Campisi, Bill Crysdale, Vito Forte, Evan Propst, Sharon Cushing, Adrian James, Blake Papsin



2013 Percy Ireland Guest of Honour, Dr. Wilf Goodman



Paolo Campisi, Winner of the Alma Smitheringale Undergraduate Teaching Award presented by Alma Smitheringale.



Oakley Smith, Winner of the Distinguished Alumnus Award, presented by Yvonne Chan



Eric Monteiro, Winner of the Resident Teacher of the Year Award



Presentation of Yvonne Chan's recently published textbook Essential Otolaryngology to the PGY1s, L to R: Michael Au, Michael Sklar, Gian-Marco Busato, Yvonne Chan, Gavin le Nobel, and Gordon Tsang



L to R: David Ellis, Alma Smitheringale, Kris Conrad



Jamil Asaria, John Lee (right)



PGY5s, L to R: Thileep Kandasamy, Brad Hubbard, Luke Harris



Joe Chen, Sharon Abel



L to R: Kevin Higgins, David Goldstein, Al Vescan



Taryn Davids, Sharon Cushing (right)



Percy Ireland Annual Academic Day May 10, 2013



Dr. Kris Conrad presenting the Kris Conrad Merit Award in Facial Plastic Surgery to Dr. James Bonaparte (Clinical Fellow with Dr. David Ellis)



Tony Eskander (PGY3), Winner of The Wharton Head and Neck Research Award with Dr. Pat Gullane



Dr. Pat Gullane addressing the audience



Xiao Zhao (PGY3), Winner Best Overall Presented Paper, Chapnik, Freeman and Friedberg Clinician Scientist Program Award and the Shiley E.O. Pelausa Award with Dr. Paolo Campisi (Director of Postgraduate Education)



Eric Monteiro (PGY5), Winner of the Freda Noyek Otolaryngology Merit Award with Dr. Arnold Noyek



PGY2 Residents, L to R: Ed Park, Modupe (Dupe) Oyewumi, Heather Osborn, Dr. Paolo Campisi, Sarah Hugh, Kayvan Nateghifard



PGY3 Residents, L to R: Xiao Zhao, Tony Eskander, Jennifer Wang, Dr. Paolo Campisi, Lukas Kus, Vinay Fernandes



Dr. David Pothier, Winner Category 5 with Dr. Paolo Campisi



PGY4 Residents, L to R: Aman Grewal, Maz Merdad, Tulika Shinghal, Dr. Paolo Campisi, Janet Chung, Nik Wolter, Eric Arruda



Adrian James, Winner Teacher of the Year Award presented by Dr. Paolo Campisi



Departmental Committees

Executive

Chair: Ian Witterick

Members: Peter Adamson, Jennifer Anderson, Paolo Campisi, Yvonne Chan, Joseph Chen, Al Chiodo, Vito Forte, Jeremy Freeman, Ralph Gilbert, Patrick Gullane, Robert V. Harrison, Jonathan Irish, Vicky Papaioannou, Blake Papsin, Oakley Smith

Undergraduate Medical Education (UME)

Chair: Al Chiodo

Members: Dale Brown, Paolo Campisi, Yvonne Chan, Jean Davidson, Susan Druker, John Lee, Allan Vescan; Student Representatives: Joel Davies, Ryan Figeroa, Eric Lai, Jonathan Yip; Resident Representatives: Vinay Fernandes, Nikolaus Wolter

Postgraduate Medical Education (PGME)

Chair: Paolo Campisi

Members: Jennifer Anderson, Al Chiodo, Rick Fox, Jeremy Freeman, Ralph Gilbert, Kevin Higgins, John Lee, Vincent Lin, Adam Toth; Resident Representatives: Janet Chung, Vinay Fernandes, Sarah Hugh, Eric Monteiro, Tulika Shinghal, Michael Sklar; Fellow Representatives: Stephan Haerle, Samip Patel

Continuing Education and Professional Development (CEPD)

Chair: Yvonne Chan

Members: Al Chiodo, Oakley Smith

Research

Chair: Robert V. Harrison

Members: Sharon Abel, David Goldstein, Karen Gordon, James Haight, Susan Kamel-Reid, Fei-Fei Liu, Blake Papsin

Audiology

Chair: Vicky Papaioannou

Members: Julija Adamonis, Maxine Armstrong, Ida Bennett, Lendra Friesen, Susan Druker, Karen Gordon, Gina Goulding, Laurie MacDonald, Dana Parker, Nadia Sandor, David Shipp, Kari Smilsky, Eloise Thurier, Ken Williams, Jill Witte, Erica Wong

Departmental Appointments Committee (DAC)

Chair: Jonathan Irish

Members: Peter Adamson, Jennifer Anderson, Joseph Chen, Vito Forte, Jeremy Freeman, Patrick Gullane, Robert V. Harrison, Vicky Papaioannou, Ian Witterick

Departmental Promotions

Chair: Robert V. Harrison

Members: Peter Adamson, Joseph Chen, Vito Forte, Ralph Gilbert, Jonathan Irish, Blake Papsin, Ian Witterick

Budget Advisory

Chair: Ian Witterick

Members: Jennifer Anderson, Joseph Chen, Vito Forte, Jeremy Freeman, Patrick Gullane, Ralph Gilbert, Robert V. Harrison

Community Academic

Chair: Yvonne Chan

Members: Yvonne Chan (Lead), Peter Adamson, Jamil Asaria, D.Glenn Beard, Michael Brandt, Deron Brown, Nitin Chauhan, Al Chiodo, K-Y Chow, Kris Conrad, Joseph da Silva, Taryn Davids, Fructuoso M. de Souza, William El Masri, David Ellis, David Finkelstein, Rick Fox, Andres Gantous, David Goldfarb, Everton Gooden, Hani Guirgis, James Haight, Jerry Halik, Basil Hassouneh, Robert Hekkenberg, Robert Josephson, Anil Katyal, William Kaul, Jack Kolenda, Ambrose Lee, Randy Leung, Bosco Liu, Berge Marcarian, Jeffrey Mendelsohn, William Middleton, Robert Mounsey, David Naiberg, Karim Nazarali, Xerxes Punthakee, Richard Rival, Nadarajah Sanjeevan, Raewyn Seaberg, Lorne Segall, Manish Shah, Jack Shahin, Oakley Smith, Alma Smithe-ringale, 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, Appointments and Promotions Committees).

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.

I am very grateful to the committee for their guidance, support and thoughtful advice they have provided to me in my first year as Chair. I want to take this opportunity to acknowledge all members who have served on the Executive Committee over the past year:

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

Vito Forte/B. Papsin – Otolaryngologist-in-Chief, The Hospital for Sick Children

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

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

Vicky Papaioannou – Chair, Audiology Committee

Respectfully submitted,
Ian J. Witterick, MD, MSc, FRCSC



Undergraduate Medical Education

Drs. A. Chiodo (Chair),

I am delighted to have assumed the portfolio of Undergraduate Medical Education (UME) Director in September from Dr. Paolo Campisi. He should be commended for an exceptional job in developing and administering our UME program over the last 7

years. A sincere thank you should go out to Drs. Campisi and Witterick for their guidance and expertise throughout the year. Overall, I believe this has been a successful year for undergraduate medical education in our Department. We have expanded our involvement in a number of pre and post clerkship courses and have added a new longitudinal elective program for second year students. Moreover, we have embarked upon a community otolaryngology-head and neck surgery stream for the clerkship to include our Community Academic Faculty and Mississauga Faculty.

Undergraduate Medical Education Committee

I am grateful for the efforts of the members of the UME Committee throughout the academic year including Drs. Vescan and Lee for being Assistant UME Directors.

Chair: Al Chiodo

Assistant UME Directors: John Lee (also representing Fitzgerald Academy, SMH) and Allan Vescan (also representing Wightman Berris - Mt. Sinai)

Wightman Berris Academy (UHN): Dale Brown

Peters-Boyd Academy (Sunnybrook): Jean Davidson

Mississauga Academy (Trillium Health Partners): Yvonne Chan

Hospital for Sick Children: Paolo Campisi

Audiology: Susan Druker

Student Representatives: Joel Davies (Year II), Eric Lai (Year III), Ryan Figeroa (Year III), Jonathan Yip (Year IV)

Resident Representatives: Vinay Fernandes, Nikolaus Wolter



Strategic Planning

We have been involved with the strategic planning process over the course of the year. With the assistance of the Strategic Planning Committee, the objectives and goals which we have formulated include the following:

1. To make UME a faculty priority and to increase the profile of UME among faculty
2. Improve student satisfaction
3. Engage Community Academic Faculty in UME
4. Increase the exposure of our Department within the Faculty of Medicine's Undergraduate Curriculum
5. To make our Department a nationwide leader in UME

This year we have also had to deal with the University of Toronto UME Accreditation Report which occurred in 2011. Our department was cited because of low student satisfaction. Overall, however, the clerkship rotation evaluation scores have improved this year along with teacher effectiveness scores. Awareness among faculty to make UME a priority along with improved observation of core clinical skills, faculty development and a pilot community rotation at Toronto East General have all contributed to the improved scores.

Pre-Clerkship Courses

Dr. Vescan has done a tremendous job as Assistant UME Director for the pre-clerkship. He has been representing our Department at the different pre-clerkship courses. We had a successful MMMD course week where a twitter feed was used during the lectures. In addition we had an extracurricular night-time classroom session of the OtoSim™ (a brainchild of Dr. Witterick's). This was a huge success which has now stimulated the use of the OtoSim™ in a classroom setting in first and second years of medical school along with the clerkship. I would like to thank all the seminar leaders for the MMMD course and the ASCM II courses. In addition, research preceptors for the Determinants of Community Health Course II should be praised for their guidance of these second year students. For the upcoming year, our Department will be newly involved in the ASCM I course for the first year class. We will be providing site supervisors for this introductory course in history and physical examination. There will be two head and neck sessions which will occur in January. In addition, we will host a classroom session of the OtoSim™ for the first year class. Furthermore, we will be embarking on a new second year community otolaryngology-head and neck surgery longitudinal elective course involving the community academic faculty in our department.

Videos of the OtoSim™ leaning session

<http://youtu.be/8WHbeBytOTc>

or abbreviated version: http://youtu.be/Wz6Jp-HMS_0

Clerkship Course

Changes for the upcoming academic year include a community otolaryngology-head & neck surgery rotation with about half the class participating. I wanted to thank all the Community Academic Faculty who agreed to be preceptors. This community initiative will include a clerkship rotation at the Mississauga Academy of Medicine. Other sites include Humber River Regional, Markham Stouffville, North York General, Scarborough Hospital, Toronto East General Hospital and William Osler Hospital (Etobicoke Site). We have had two successful faculty development sessions for the community preceptors. Other changes to the clerkship will include a half day seminar series to include a pediatric case seminar, an audiology lecture and a classroom OtoSim™ session. We will continue to improve the orientation process and observation of core clinical skills for the clerks in the upcoming academic year. I wanted to thank the Academy Site Directors (Drs. Brown, Chan, Davidson, Lee and Vescan) for all of their hard work in administering the clerkship.

Post-Clerkship Courses

I am grateful for all the excellent and dedicated work of Dr. Lee as Assistant UME Director for the post-clerkship. He has been representing our Department at the post-clerkship course committees. He did a wonderful job presenting the Fusion Course (preparatory course for the MCCQE exams) to the graduating fourth year class. I wanted to thank those preceptors who participated in the Transition to Residency Course. Our resident preceptors for the Portfolio course, Drs. Arruda and Eskander should be commended for their efforts in this course which help students learn and integrate the CanMEDS roles as student physicians.

Respectfully submitted,
Al Chiodo, MD, FRCSC



Postgraduate

Dr. P. Campisi (Chair)

The 2012-2013 academic year has been an incredible year of transition for the Department. The Postgraduate Education program has also transitioned but remains as strong as ever thanks to our dedicated Faculty, Administrative Assistants and outstanding Residents and Fellows. This Departmental 'Team'

has been invaluable for my first year at the helm of the Postgraduate Education program – thank you!

Residency Program Committee

A key component of the Team is the Residency Program Committee. The committee members for the 2012-2013 academic year were:

Dr. Al Chiodo – Toronto East General Hospital

Dr. Adam Toth – Mississauga Academy of Medicine

Dr. Rick Fox – St. Joseph's Health Centre

Dr. Jeremy Freeman – Mount Sinai Hospital

Dr. Kevin Higgins – Sunnybrook Health Sciences Centre

Dr. Vincent Lin – Research Committee Representative

Drs. Jennifer Anderson and John Lee – St. Michael's Hospital

Dr. Ralph Gilbert – University Health Network

Dr. Eric Monteiro – Chief Resident until April 30, 2013

Dr. Janet Chung – Elected Chief Resident starting April 30, 2013

Dr. Michael Sklar – PGY1

Dr. Sarah Hugh – PGY2

Dr. Vinay Fernandes – PGY3

Dr. Tulika Shinghal – PGY4

Dr. Stephen Haerle/Samip Patel – Fellow Representative

Dr. Paolo Campisi – Committee Chair, Hospital for Sick Children

The Residency Program Committee (RPC) meets monthly to discuss and monitor the educational program, develop and implement new initiatives, and most importantly, provide an opportunity for residents and fellows to actively and constructively contribute to the educational program. The RPC has been active in developing a Resident Retreat and Mentorship Program to further enhance the experience of our residents. Congratulations to all the members for their great work, in particular Dr. Eric Monteiro, for serving as an exemplary Chief Resident.

Residents

There were 26 residents and 22 clinical/research fellows enrolled in postgraduate training within our Department. Congratulations to Drs. Jennifer Guillemaud, Luke Harris, Brad Hubbard, Thileep Kandasamy and Eric Monteiro on successfully passing the Royal College Examination in Otolaryngology-Head and Neck Surgery held on May 15, 2013. Dr. Guillemaud will be undertaking a Moh's surgery fellowship in Calgary, Dr. Hubbard will be undertaking an otology/neurotology fellowship in Toronto with Dr. Rutka, and Dr. Monteiro will be undertaking a rhinology and skull base fellowship in Toronto with Dr. Witterick. Dr. Harris has taken a Faculty position in North Bay, Ontario and Dr. Kandasamy has taken a Faculty position at North York General Hospital in Toronto.



March 20, 2013 Bowling at the Ballroom in Toronto
L to R: Kayvan Nateghifard, Sarah Hugh,
Edward Park, Dupe Oyewumi



April 12, 2013,
Toronto Raptors 97 vs. Chicago Bulls 88
L to R: Heather Osborn, Ian Witterick, Lukas Kus,
Dupe Oyewumi, Edward Park, and Sarah Hugh

Resident Selection

Year after year, the number and quality of medical student applications to our Residency Program continues to remarkably increase. The CaRMS selection process, held on February 1, 2013, included three traditional interviews, 4 multiple-mini interviews (MMIs) and a surgical skills station. The Selection Committee was made up from the interviewers. The traditional interviews were provided by Drs. Paolo Campisi, Ian Witterick, Eric Monteiro, Vinay Fernandes, Dupe Oyewumi and Sharon Cushing. The MMIs were administered by Drs. Yvonne Chan, David Pothier, Kevin Higgins and Vincent Lin. The surgical skills station was administered by Dr. Vito Forte.



We welcomed five Canadian Medical Graduates who successfully matched to our program. These were Dr. Stephen Chen, Dr. Christopher Yao and Dr. Jonathan Yip from the University of Toronto, Dr. Andrew Ma from the University of Alberta and Dr. Jason Xu from Western University.

Residency Curriculum

The Residency Core Curriculum continues to be provided over a 3-year cycle during the PGY2 to 4 years. In 2012-2013, the core topics covered were Laryngology, Pediatrics and several of the CanMEDS roles. The PGY1 residents attend weekly 'Foundations of Surgery' lectures and practical sessions at the University of Toronto's Surgical Skills Centre at Mount Sinai Hospital. The PGY3 residents dedicate one month in the Department of Anatomy. This specialized program provides residents an opportunity to dissect and teach medical students head and neck anatomy. The PGY5 residents participate in a weekly Fellowship Study course provided by Faculty in preparation for the Royal College Examination.

Residents in the PGY3-5 years are required to participate in the yearly National In-Training Examination (NITE). Dr. Molly Zirkle has been the University of Toronto representative on the national committee and has contributed to the development of the examination. Dr. Zirkle has completed her term on this committee and has handed over the portfolio to Dr. Adrian James. Thank you Molly.

Each year our Faculty provides several clinical courses for the Residents and Fellows. A special thank you goes out to Dr. Jennifer Anderson (Thyroidectomy course), Drs. Peter Adamson and Oakley Smith (Soft Tissue Dissection and Rhinoplasty courses), Dr. Jamil Asaria (Injectable Fillers course), Dr. Ian Witterick (Sinus Endoscopy course), Dr. David Pothier (Endoscopic Ear Surgery course), Drs. Al Chiodo, Yvonne Chan and Peter Adamson (Setting up a Practice course) and the many Faculty that contributed to the 6 Temporal Bone Dissection courses. Ms. Vicky Papaioannou has been instrumental in organizing several audiology sessions throughout the year as well as the popular 'Audiogram of the Month' program. There is no doubt that we have the most robust clinical teaching program in Canada!

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 training in our Department for the 2012-13 academic year.

Fellow	Country of Medical Training	Fellowship
Pothier, David	South Africa	Medical Neurotology/Otology
Charusripan, Paninee	Thailand	Medical Neurotology/Otology
Daszenies, Cristian	Chile	Medical Neurotology/Otology
Golrokian-Sani, Reza	Iran	Medical Neurotology/Otology
Leong, Annabelle	United Kingdom	Medical Neurotology/Otology
Arnolder, Christoph	France	Otology Skull Base Surgery
Kuthubutheen, Jafri	Australia	Otology Skull Base Surgery
Kanotra, Sohit	India	Pediatric Otolaryngology
Vilchez, Luis	Costa Rico	Pediatric Otolaryngology
Dhepnorrarat, Chris	Australia	Rhinology
Bonaparte, James	Canada	Facial Plastic Surgery
Kim, Alyn	USA	Facial Plastic Surgery
Siva, Thiru	United Kingdom	Facial Plastic Surgery
Muhanna, Nidal	Israel	Head & Neck Oncology
Magarey, Matthew	Australia	Head & Neck Oncology
Patel, Samip	USA	Head & Neck Oncology
Haerle, Stephan	Switzerland	Head & Neck Oncology
Kamdar, Dev	USA	Head & Neck Oncology
Alsaffar, Hussain	Canada	Head & Neck Oncology
Johnson, Bradley	USA	Head & Neck Oncology
Sombuntham, Premsuda	Thailand	Laryngology
Nagaratnam, Shiva	West Indies	Global Health

Research

Dr. Robert V. Harrison and Dr. Vincent Lin (through the Residency Program Committee) have been instrumental in mentoring the PGY2 residents during their four-month research block. The program has been very successful in inspiring the future researchers in our medical field. Several residents are in the process of completing or commencing advanced research degrees and Clinician Investigator Programs. These are Dr. Antoine (Tony) Eskander (Masters in Clinical Epidemiology at Harvard University), Dr. Nikolaus Wolter (Masters degree, Institute of Medical Science, Clinical Investigator Program, University of Toronto), Dr. Jennifer Wang (Masters Degree, Johns Hopkins University) and Dr. Xiao Zhao (Masters Degree, Institute of Medical Science, Clinical Investigator Program, University of Toronto).

The Percy Ireland Annual Academic Day held on May 10, 2013 remains a highlight of our Department to showcase the breadth and excellence of resident research. The quality and diversity of the research projects continues to grow which demonstrates the strength of our Research Program. Each year, residents in the PGY2 to 4 years, fellows and graduate students present their research. The invited Professor that served on the judges panel was Dr. Michael G. Stewart from Weill Medical College of Cornell University. The winners of the different categories are listed in the section on Percy Ireland Day.

Research and Teaching Awards

- Dr. Vinay Fernandes was awarded first prize, Non-Clinical Category, at the Poliquin Resident Research Competition at the 2013 CSO-HNS Annual Meeting in Banff, Alberta for his work entitled "Development of an ototoxicity model in adult CBA/CaJ mouse and determination of a golden window of corticosteroid intervention for otoprotection"
- Dr. Vinay Fernandes was elected as a member to the PAIRO General Council, representing Otolaryngology and Ophthalmology for the city of Toronto.
- Dr. Xiao Zhao was awarded second prize, Non-Clinical Category, at the Poliquin Resident Research Competition at the 2013 CSO-HNS Annual Meeting in Banff, Alberta for his work entitled "The role of neural precursor cells and self-assembling peptides in nerve regeneration"
- Dr. Jennifer R. Wang was awarded second place for her poster at the 2013 Triological Society Annual Meeting at COSM titled: "Comorbidity and Performance Status are Independent Prognostic Factors in Head and Neck Squamous Cell Carcinoma Patients".
- Dr. Eric Monteiro was recognized by his peers as the Resident Teacher of the Year
- Dr. Ian Witterick was recognized by the Residents and awarded the Resident Advocacy Award
- Dr. Ian Witterick was also awarded a major teaching award from the CSO-HNS for Educational Excellence

- Dr. Xiao Zhao received 2013-14 MOH funding for the Clinical Investigator Program (CIP).
- Dr. Nikolaus Wolter received a second year of funding from the Clinical Investigator Program

Royal College Accreditation

The Royal College of Physicians and Surgeons of Canada reviewed the University of Toronto clinical programs during the week of April 7-12, 2013. Our Department had its review and site visit on April 9, 2013. Dr. Clifford Yaffe from the University of Manitoba conducted the review. Dr. Yaffe was very impressed with our program and reported that no deficiencies were noted. This is truly exceptional as this was the conclusion from the last Royal College accreditation visit. This accomplishment deserves the acknowledgment of Dr. Ian Witterick for his excellence and commitment to the Residency Program. I am truly indebted to his contributions and mentorship during the Accreditation process. I am also truly grateful to the members of the Residency Program Committee, the Faculty, Residents, Fellows and the Administrative Assistants (Sandra Kellogg, Sonia Costantino, Audrea Martin) for their dedication and professionalism. Congratulations.

Respectfully submitted,
Paolo Campisi, MSc, MD, FRCSC, FAAP



Continuing Education and Professional Development

Dr. Y. Chan (Chair)

As I take on the new role of CEPD Director, I would like to thank my predecessor, Dr. Ian Witterick, for the many years he served in the same role, working tirelessly to build the amazing portfolio that it is today. 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 all of our 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 and academic faculty, fellows, and residents. In the last year, we have been working on the capability to watch the Grand Rounds live or archived through the OTN (Ontario Telehealth Network) to help provide our community academic faculty easier access to these educational activities.

DEPARTMENT OF OTOLARYNGOLOGY - HEAD & NECK SURGERY



Courses Organized

Date(s)	Course Title (Organizers)	Guest Faculty/Invited Speaker(s)
July 18-20, 2012	Microvascular & Reconstruction Course (Drs. Ralph Gilbert, David Goldstein, Alexis Rapidis, Ian Witterick)	1. Professor James Brown, Aintree Hospital, Liverpool, UK 2. Dr. Douglas Chepeha, University of Michigan 3. Dr. Greg Farwell, University of California, Davis 4. Dr. Brett Miles, Mt. Sinai School of Medicine 5. Dr. Sat Parmar, Queen Elizabeth Hospital, Birmingham 6. Dr. Alexis Rapidis, University of Athens 7. Dr. John Yoo, Western University
July 21-25, 2012	8th International Conference on Head & Neck Cancer (Dr. Jonathan Irish)	
October 6, 2012	Dermoscopy Course	Dr. Anthony Dixon, Australasian College of Cutaneous Oncology, Belmont, Australia
October 12-13, 2013	Temporal Bone & Otosurgical Course (Drs. Joseph Chen, Vincent Lin)	Dr. Hilary Brodie, University of California, Davis
February 2, 2013	11th Annual Otolaryngology-Head & Neck Surgery Update 2013 and the OMA Annual Otolaryngology Meeting (Drs. Al Chiodo, Oakley Smith, Yvonne Chan)	1. Dr. Roman Chaban, Toronto 2. Dr. Kevin Fung, Western University 3. Dr. Theresa Holler, McMaster University 4. Dr. Philip Lai, Oakville 5. Dr. Murad Husein, Western University 6. Dr. Johanna MacCormick, University of Ottawa 7. Dr. Kristian Macdonald, University of Ottawa 8. Dr. Anthony Nichols, Western University 9. Dr. Steve Pearlman, Columbia University 10. Dr. Brian Rotenberg, Western University 11. Dr. Doron Sommer, McMaster University 12. Dr. Nick Vozoris, University of Toronto
April 24-25, 2013	3rd North American Endoscopic Ear Surgery Dissection Course (Drs. David Pothier, John Rutka)	1. Dr. Joao F. Nogueira, Federal University of Sao Paulo, Brazil 2. Dr. Daniele Marchioni, Universidade de Modena, Italy 3. Dr. Miriam. Redleaf, University of Illinois at Chicago, USA
May 3, 2013	15th Annual Wharton/Elia Day (Organizers included Drs. Brian O'Sullivan, Ralph Gilbert, Patrick Gullane, Jonathan Irish)	1. Dr. Jan Vermorken, Antwerp University Hospital, Belgium (Wharton Lecturer) 2. Dr. Quynh-Thu Le, Stanford University (Elia Lecturer) 3. Dr. Augustinus Bader, University Leipzig, Germany (Sullivan Lecturer)
May 9-10, 2013	22nd Annual Percy Ireland Academic Day and Dinner (Drs. Ian Witterick, Paolo Campisi)	1. Dr. Michael G. Stewart, Weill Cornell Medical College 2. Dr. Wilfred Goodman (Guest of Honour)
May 22, 2013 June 23, 2013	Everything you Wanted to Know About Undergraduate Teaching in Otolaryngology-Head & Neck Surgery, But Were Afraid to Ask: A guide to fitting medical students into your clinical practice (Faculty Development – Drs. Al Chiodo, Yvonne Chan)	
June 1, 2013 – February 28, 2014	Auditory Verbal Therapy in Doha, Qatar (Dr. Arnold Noyek)	

Invited Professors

Invited Professor	Date(s)	Title of Talk
Dr. Hilary Brodie, University of California, Davis	October 12, 2012	Temporal Bone Anatomy: A 3D Presentation
Dr. Christine Lay (Community Academic Faculty Lecture) Director, Headache Centre, Women's College Hospital	October 18, 2012	Bothersome Headaches: Is it Sinus or Migraine?
Dr. Steffen-Sebastian Bolz St. Michael's Hospital	December 7, 2012	The Microvascular TNF alpha/Sphingosine-1-phosphate Signalling Axis as a Mechanistic and Molecular Basis for Hearing Loss
Dr. Cor Cremers (The Peter & Melanie Munk Lecture), Radboud University Nijmegen, The Netherlands	December 13, 2013	Congenital Middle Ear Anomalies: The Cremers Classification & Outcomes of Surgery
	December 14, 2013	25 Years' Experience with Bone Anchored Hearing Aid Implants: Clinical Evidence & the Extension of Indications
Dr. David Baguley, Anglia Ruskin University, UK	January 10, 2013	Understanding Hyperacusis
	January 11, 2013	Understanding and Treating Tinnitus: The New Neuroscience Paradigm
Dr. Steven Pearlman (Otolaryngology Update visiting professor) Columbia University	February 1, 2013	Lessons Learned from Revision Rhinoplasty: How to Avoid it in the First Place
Dr. Sharon Cushing (David Tomlinson Lecture) Hospital for Sick Children	February 8, 2013	Finding Balance - An Academic Career
Dr. Karen Gordon (Krista Riko Lecture) Hospital for Sick Children	February 22, 2013	Use it or Lose it: The Importance of Restoring Bilateral Hearing to Children with Hearing Loss
Dr. Viren Naik, University of Ottawa	April 12, 2013	Simulation to Stimulate a Competency Based Program
Dr. Alex Chiu, University of Arizona	April 18, 2013	Optimizing Results and Managing Complications of Sinus Surgery
	April 19, 2013	Management of the Recalcitrant FESS Patient
Dr. Tristram Lesser, University Hospital Aintree, Liverpool	May 23, 2013	Cholesteatoma: Levels of Evidence for Surgical Treatments
	May 24, 2013	Temporal Bone Cancer: The Liverpool Experience
Dr. Gregory Randolph (Binstock Lecturer), Harvard Medical School	June 13, 2013	The Detection and Treatment of Papillary Thyroid Cancer Lymph Nodes
	June 14, 2013	The Future of Neural Monitoring



International Continuing Education

The Department of Otolaryngology continues to play an increasing and effective role in international continuing medical education and facilitating Canadian influence in international development and health systems development. This is pioneered by Dr. Arnold Noyek, Director for International Continuing Medical Education for the Faculty of Medicine. Over the years, Dr. Noyek, through CISEPO, used CEPD 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, the University of Toronto accredited distance educational programming through video teleconferencing. The durable network of peaceful professional cooperation across the Arab and Israeli frontier has been offering increasing and regular 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 four 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.

Awards

Congratulations to Dr. Al Chiodo who won the 2012-2013 Colin R. Woolf Award for Long-Term Contributions to Continuing Education at the University of Toronto. Dr. Chiodo has been instrumental in organizing the Otolaryngology Update at the Toronto East General Hospital that has been such a success annually.

Upcoming Courses – 2013-2014 & Beyond

October 19, 2013: National Undergraduate Otolaryngology Medical Education Conference, Toronto, Ontario
November 16-17, 2013: Current Concepts in Head & Neck Surgery, MSKCC, New York
November 23, 2013: Otolaryngology Update for the General Practitioner, Toronto, Ontario
December 5-6, 2013: Controversies in the Management of Head and Neck and Thyroid Cancer, London, UK
February 8, 2014: The 12th Annual Otolaryngology-Head & Neck Surgery Update 2014 and the OMA Annual Otolaryngology Meeting, Toronto, Ontario
May 8-9, 2014: 23rd Annual Percy Ireland Academic Day and Dinner, Toronto, Ontario

October 15-18, 2014: 8th International Symposium on Objective Measures in Auditory Implants, Toronto, Ontario
November 2014: Current Concepts in Head & Neck Surgery, Toronto, Ontario
May 10-14, 2016: International Symposium on Cochlear Implantation in Children, Toronto, Ontario

Summary

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

Respectfully submitted,
Yvonne Chan, MD, FRCSC, MSc, HBSoc



Research Committee

Drs. R.V. Harrison (Chair)

Our departmental mission follows that of the Faculty of Medicine and thus we seek excellence in clinical practice, teaching and research. Within the department, we have clinicians, surgeon scientists and basic scientists together with numerous trainees

who study all aspects of research under the umbrella of Otolaryngology- HNS. Clinically related research is largely carried out by our otolaryngologists in their various sub-specialties, often in association with other health care professionals. We also have some full-time scientists who interact extensively with our clinicians in translational studies, and are also involved in basic aspects of science relating to otolaryngology. The diagram below shows the research teams that work within the umbrella of our department.

Our research committee has been structured to represent clinical and basic research in most of the sub-specialty areas in the department. This past year the committee has been: Bob Harrison (Chair), Sharon Abel, Blake Papsin, Karen Gordon, Suzanne Kamel-Reid, Fei-Fei Liu, David Goldstein and Jim Haight. I would like to thank these individuals for their participation over the past few years. As will be evident from the "research teams" diagram on the next page, there

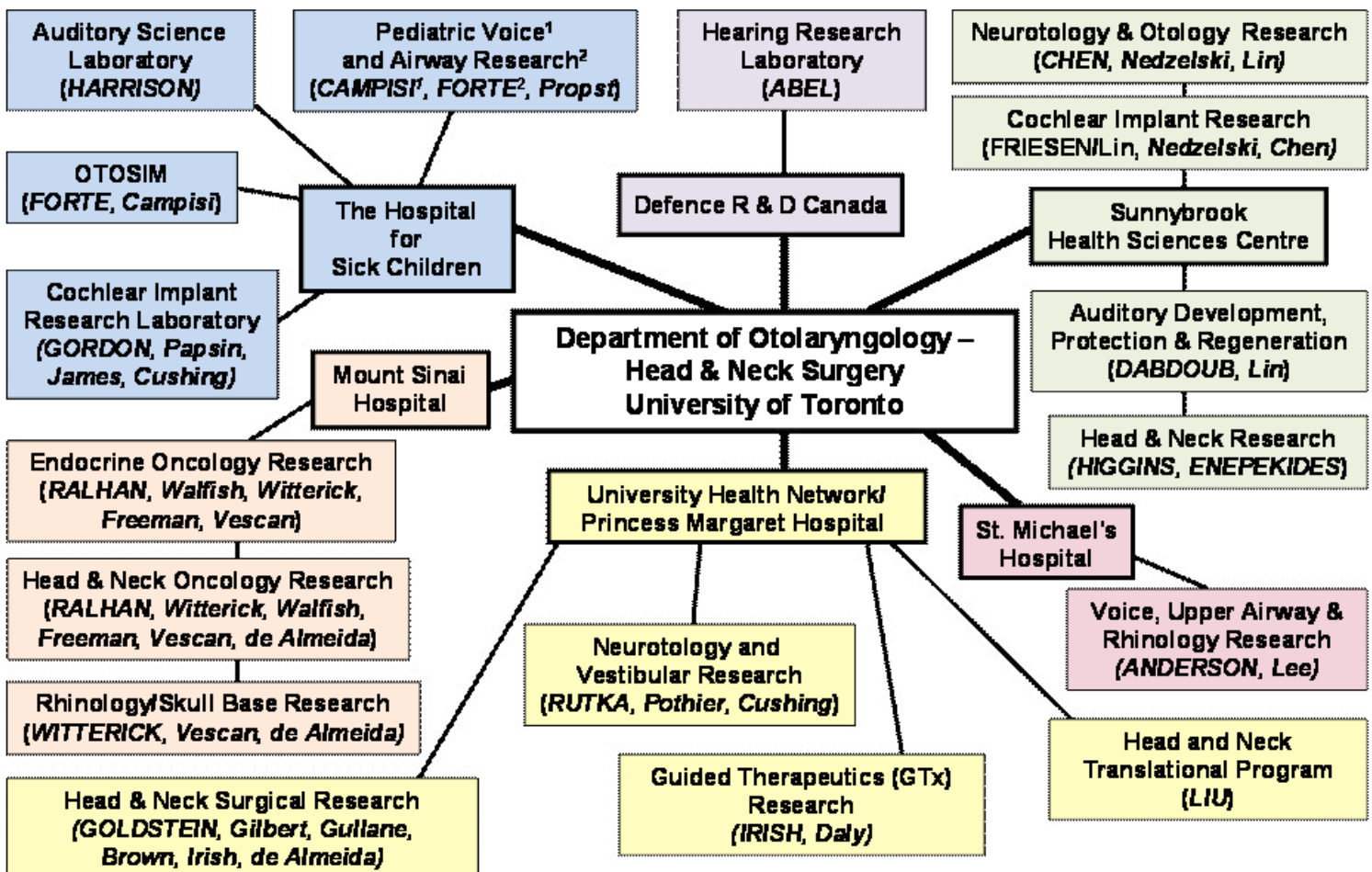
have been some new recruits and some retirements from our department, and accordingly some modifications to our research enterprise. We are working on some new terms of reference and responsibilities for a newly structured departmental research committee (stay posted).

As usual, 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 have also held an excellent research evening in which we attempted to provide an overview of as many

of the research activities in the department as possible. It always turns out to be an impossible task to cover, in any depth, all the research initiatives that we have in the department.

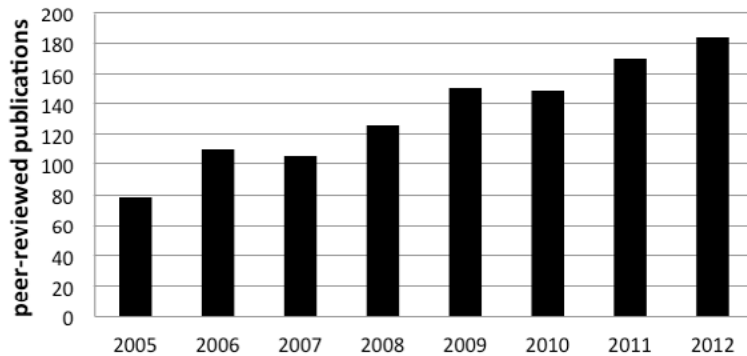
This past year has seen the start to, or the fruition of, many new research initiatives, and we continue to steadily improve our research productivity. The graph below indicates the number of peer-reviewed publications that we have had for each of the past 8 years.

Department of Otolaryngology – HNS, University of Toronto Research Teams





Otolaryngology - HNS research productivity 2005-2012



By all measures of research productivity, we continue to go from strength to strength, and are definitely fulfilling the research mission of the University of Toronto Faculty of Medicine. Well done to all those who have contributed to the success of our Department!

Respectfully submitted,
Robert V. Harrison, PhD, DSc



Audiology Committee Report

Vicky Papaioannou (Chair)

The Audiology Committee continues to play an active role in research, undergraduate and postgraduate education, and continuing medical education within the Department. With respect to education, members of the Audiology Committee provided audiology teaching

as part of the Otolaryngology curriculum for undergraduate medical students. This same group also participated in hearing screening at several different Toronto elementary schools through the Kids2Hear Program. The core lecture series for the otolaryngology residents took place in the fall of 2012. "Audiogram of the Month" continued this year allowing residents more regular experience interpreting audiograms. Most exciting was the renaming of the annual Grand Rounds Audiology Lecture to "The Krista Riko Lecture". Karen Gordon was the inaugural Krista Riko lecturer as she discussed: *Use or Lose It: The importance of restoring bilateral hearing to children with hearing loss.*

The Audiology Committee welcomed cognitive and behavioural neuroscientist and tinnitus specialist Professor David Baguley in 2013. This lecture was a joint effort

between the Audiology Committee and Dr. John Rutka. Professor Baguley's workshop entitled *Sound Therapy for Tinnitus: Past, present, and future* was attended by U of T and community audiologists, residents, researchers and otolaryngologists.

The Audiology Committee held its annual meeting at The Hospital for Sick Children in the fall of 2012. Various topics of interest were discussed such as content of the undergraduate and core lecture series as well as the Kids2Hear Program and Audiogram of the Month.

The Audiology Committee members for the 2012-2013 academic year were:

Hospital for Sick Children

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

Mount Sinai Hospital

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

Sunnybrook Health Science Centre

Julija Adamonis
Lendra Friesen
David Shipp
Kari Smilsky
Ken Williams

University Health Network

Maxine Armstrong

Respectfully submitted,
Vicky Papaioannou, MCISc



Departmental Appointments Committee

Drs. J. Irish (Chair)
P. Adamson
J. Anderson
J. Chen
V. Forte
J. Freeman
R. Gilbert
P. Gullane
R.V. Harrison
V. Papaioannou
I. Witterick

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

The DAC provides advice to the Chair and Hospital Chiefs 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 Committee is active and has two planned meetings annually (November and February) with other meetings scheduled as necessary.

The Departmental Advisory Committee has made the following directives to the Chair of the Department for the 2012-13 academic year (July 2012 to June 2013):
Approval of Probationary Term Reviews: Dr. Danny Enepekides and Dr. John Lee
Approval of New Full Time Faculty Appointments: Dr. John de Almeida and Dr. David Pothier
Approval of New Clinical Adjunct Faculty Appointments at the rank of Lecturer: Dr. Nitin Chauhan, Dr. Basil Hassouneh, Dr. Ambrose Lee, Dr. Nadarajah Sanjeevan, and Dr. Raewyn Seaberg
Approval of Full Time Faculty Promotions from Lecturer to Assistant Professor: Dr. John Lee
Approval of New Status Only Faculty: none

Respectfully submitted,
Jonathan Irish, MD, MSc, FRCSC, FACS



Promotions Committee

Drs. R.V. Harrison (Chair)

The Departmental Promotions Committee reflects the full range of subspecialty interests in Otolaryngology-Head and Neck Surgery. All members of this committee are at the rank of full professor. In the past year the promotions committee has been: Bob Harrison (Chair), Ralph

Gilbert, Peter Adamson, Vito Forte, Jonathan Irish, Blake Papsin and Pat Gullane. Ian Witterick is *ex officio* on the committee.

"Promotion through the ranks" at the University of Toronto is an important marker of the academic achievements of our departmental members. In the Faculty of Medicine the standards and criteria for promotion are high. In a clinical department such as ours, promotion is often not just based on research and teaching as it is in science departments, but rather on a range of contributions to the training of the next generation of clinicians. Research and contributions to teaching are important, but so are being a clinical 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.

Respectfully submitted,
Robert V. Harrison, PhD, DSc



Budget Advisory Committee

Drs. I Witterick (Chair)
J Anderson
J. Chen
V. Forte
J. Freeman
P. Gullane
R. Gilbert
R.V. Harrison

The Budget Advisory Committee meets one to two times each academic year. The committee helps guide the Chair in appropriately monitoring the financial affairs of the department, particularly related to academic stipends.

Respectfully submitted,
Ian J. Witterick, MD, MSc, FRCSC



Community Academic Faculty

Drs. Yvonne Chan (Lead)
Peter Adamson
Jamil Asaria
D.Glenn Beard
Michael Brandt
Deron Brown
Nitin Chauhan
Al Chiodo
K-Y Chow
Kris Conrad
Joseph da Silva

Taryn Davids
Fructuoso M. de Souza
William El Masri
David Ellis
David Finkelstein
Rick Fox
Andres Gantous
David Goldfarb
Everton Gooden
Hani Guirgis
James Haight
Jerry Halik
Basil Hassouneh
Robert Hekkenberg
Robert Josephson
Anil Katyal
William Kaul
Jack Kolenda

Ambrose Lee
Randy Leung
Bosco Lui
Berge Marcarian
William Middleton
Robert Mounsey
David Naiberg
Karim Nazarali
Xerxes Punthakee
Richard Rival
Nadarajah Sanjeevan
Raewyn Seaberg
Lorne Segall
Manish Shah
Jack Shatin
Oakley Smith
Alma Smitheringale
Philip Solomon

Cory Torgerson
Adam Toth

Jeffrey Werger
Joseph K. Wong

The membership of this group of faculty has increased significantly in the last 3 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.

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 Surgery with Drs. Peter Adamson, Jamil Asaria, Kris Conrad, David Ellis, Andres Gantous, Richard Rival, and Philip Solomon. In addition to residency training, world renowned fellowships in Facial Plastic Surgery are offered by Drs. Adamson, Ellis, and Conrad.

Our Community Academic Faculty is involved in Continuing Education & Professional Development for practicing otolaryngologists. We sponsored an excellent lecture "Bothersome Headaches – Is it Sinus or Migraine?" by Dr. Christine Lay, Director of the Centre for Headache at Women's College Hospital. We were involved in the planning and sponsorship of the successful 11th Annual Otolaryngology Update in February 2013 at the Toronto East General Hospital. 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 Day in May 2013. This award is presented to an Alumnus of the University of Toronto's Otolaryngology-Head & Neck Surgery program and whose professional and ethical standard have been of the highest order. This year's award was presented to Dr. Oakley Smith.

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.

Respectfully submitted,
Yvonne Chan, MD, FRCSC, MSc HBSoc



Advancement

Dr. P. Gullane (Chair)

Dr. Raymond Ng has made a generous gift of \$100,000 to the University of Toronto in order to create two endowed funds for the benefit of the University of Toronto's student award program in the Faculty of Medicine's Department of Otolaryngology-Head & Neck Surgery.

The first award will be named, subject to approval in accordance with the University of Toronto Policy on Naming, the *Dr. Raymond H. W. Ng PhD Award*. In recognition of this important initiative, an endowed amount of \$50,000 will be matched through the Provost's PhD Enhancement Fund. The combined \$100,000 endowment will be used to create an award for PhD students studying in the Department of Otolaryngology-Head & Neck Surgery.

The second award will be named, subject to approval in accordance with the University of Toronto Policy on Naming, the *Dr. Raymond H. W. Ng Graduate Award* at the University of Toronto. In recognition of this important initiative, an endowed amount of \$50,000 will be matched by the Dean's Office in the Faculty of Medicine. The combined \$100,000 endowment will be used to create an award for MSc students studying in the Department of Otolaryngology-Head & Neck Surgery.

The Department raised \$30,000 through a generous donation from Mr. Mark Daniels to fund two new microscopes for the University of Toronto Surgical Skills Centre housed at Mount Sinai Hospital.

In addition, the Da Vinci Gala for Thyroid Cancer Care and Research held on May 29, 2013 raised funds in support of The Joseph & Mildred Sonshine Family Centre for Head and Neck Diseases at Mount Sinai Hospital

A fundraiser organized by Dr. Jeremy Freeman and Mr. Aaron Barberian was held on May 22, 2013 facilitated by the MSH Foundation. The inaugural *Harry Barberian Memorial Dinner* was to honor Mr. Harry Barberian, an iconic restaurateur in Toronto. The family of the late Mr. Harry Barberian were most grateful to Dr. Freeman for his exemplary care. The Master of Ceremony was Mr. Ben Mulroney and the Guest Speaker was Mr. Darryl Sittler. Proceeds from the event will go towards helping fund resident and faculty research in the department.



**Jeremy Freeman, Daryl Sittler and Ian Witterick,
Harry Barberian Memorial Dinner**

Respectfully submitted,
Patrick J. Gullane, CM, MB, FRCSC, FACS, Hon-FRACS,
Hon-FRCS, Hon-FRCSI



Division of Head and Neck Oncology

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

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

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

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

The Departments at UHN and Mt. Sinai are pleased to welcome Dr. John de Almeida to our group. John will join our H&N program and Microvascular Group and will lead the development of our Robotics Program.

This year saw the opening our new Guided Therapeutics Operating Room. This state of the art operating room was developed under Dr. Jonathan Irish's leadership and vision and will create a unique research platform for developing new approaches in Head and Neck Surgery.

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

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

The Sunnybrook/Odette Site offers tertiary/quaternary Head and Neck Oncology Services including endocrine and microvascular surgery. The group at Sunnybrook also has a major presence in the Odette multidisciplinary Skin Malignancy Site Group. Dr. Danny Enepekides 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.

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

The Division's staff continues 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, BACO and the North American Skull Base Meeting.

The Division continues to thrive providing world class clinical programs to the local region and 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.

Respectfully submitted,
Ralph Gilbert, MD, FRCSC



Division of Facial Plastic Reconstructive Surgery

Dr. P. Adamson (Chair)

This is the fourth annual report for our Division, and I am pleased to note we have 17 contributing members. To each of them I extend my appreciation and gratitude for their contributions to teaching, publication, humanitarian

activities and administrative support. They include Drs. Jamil Asaria, Michael Brandt, Krzysztof Conrad, David Ellis, Danny Enepekides, Andres Gantous, Ralph Gilbert, David Goldstein, Kevin Higgins, William Middleton, Robert Mounsey, Xerxes Punthakee, Richard Rival, Oakley Smith, Phil Solomon, Cory Torgerson and the undersigned. At the outset, I also would like to recognize, and thank on behalf of all members of our Division, Dr. Witterick as our Chair. He, assisted by our dedicated administrative staff of Sonia Costantino, Sandra Kellogg and Audrea Martin, continue to provide advice and support that ensure our success.

Teaching courses

In conjunction with Drs. Witterick and Campisi and staff at the Mount Sinai Hospital Surgical Skills Laboratory, we developed three courses this year.

Our Soft Tissue Dissection Course for our residents, directed by Dr. Oakley Smith assisted by Drs. Andres Gantous and Peter Adamson, was held on December 2, 2012. This course provided our residents hands-on experience to practise surgical scar revision and flap techniques on pork bellies.

On January 31, 2013, Dr. Jamil Asaria directed and demonstrated soft tissue filler and neuromodulator injection techniques at our second annual Injectables course for residents and fellows. Other presenters included Drs. David Ellis, Richard Rival, Cory Torgerson and Peter Adamson. The event was made possible through an unrestricted educational grant from Merz Pharmaceuticals.

We repeated our popular Resident Rhinoplasty Dissection Workshop on April 15, 2013. Directors this year were Drs. Oakley Smith and Richard Rival. The majority of residents attended, and were ably assisted in their dissections by faculty Drs. Michael Brandt, Krzysztof Conrad, Robert Mounsey, Xerxes Punthakee, Phil Solomon and Peter Adamson, and fellows Drs. Alyn Kim and Thiru Siva. Note was made of the significant knowledge and surgical skills being acquired since the introduction of this Rhinoplasty, as well as the Soft Tissue, Dissection Courses.

Teaching

A significant number of our faculty are participating in undergraduate medical teaching. Drs. Conrad, Ellis, Rival, Solomon and Adamson are also providing PGY 4 one-month rotations in facial plastic and reconstructive surgery. Both faculty and residents are expressing an interest in further developing this rotation.

Drs. Adamson and Ellis continue to have fellowships under the aegis of the American Academy of Facial Plastic and Reconstructive Surgery. Dr. Adamson's fellow, Dr. Alyn Kim, and Dr. Ellis's fellow, Dr. Jamie Bonaparte, also took the opportunity to observe and operate with Drs. Asaria, Gantous and Smith in addition to other local academic surgeons in plastic, oculoplastic and Moh's reconstructive surgery. Dr. Bonaparte was awarded the Krzysztof Conrad Award in Facial Plastic Surgery. Dr. Conrad also had a clinical fellow under the auspices of our University of Toronto Department, Dr. Thiru Siva.

On February 1 and 2, 2013, our Division and Department hosted Dr. Stephen Pearlman, Clinical Associate Professor at Columbia University in New York City. He spoke on rhinoplasty at Grand Rounds and was the guest lecturer for our department's Otolaryngology Update meeting. In addition he was joined by Drs. Oakley Smith, Robert Mounsey and Peter Adamson for a Resident Rhinoplasty Workshop of case studies.

A significant number of our faculty helped prepare our PGY 5 residents for the Royal College examinations with presentations, while Drs. Jamil Asaria, Alyn Kim, Richard Rival, Oakley Smith and Peter Adamson engaged the residents in mock oral examinations. Dr. Adamson also gave the residents and fellows a lecture on Tools for Professional Development.

The majority of our members had peer-review, book chapter or journal publications, and a number were active in national and international lecturing. Dr. Brandt gave lectures at the Head and Neck Surgery Review Course in Halifax, while Dr. Gantous received the honour of being the DMES Excellence in Clinical Teaching Award recipient for PGME at St. Joseph's Hospital. Dr. Michael Brandt received a \$28,500 Western research scholarship to validate his scar assessment scale.

Association activities

Many of our members are playing active roles in local, national and international associations and boards. In particular, both Drs. Ellis and Torgerson continued their committee work at the College of Physicians and Surgeons of Ontario in peer review capacities. Several of our members are also active on committees in the Canadian Society of Otolaryngology – Head and Neck Surgery. Drs.

Adamson, Asaria, Brandt, Ellis and Mounsey were active in committee work and senior advisory positions at the American Academy of Facial Plastic and Reconstructive Surgery and the American Board of Facial Plastic and Reconstructive Surgery. Drs. Asaria and Mounsey acted as proctors for the ABFPRS examination in Washington, DC. Dr. Ellis is a representative to the International Federation of Facial Plastic and Reconstructive Surgery. Dr. Adamson continued his role as President of the International Board for Certification in Facial Plastic and Reconstructive Surgery.

Humanitarian activities

Dr. Adamson, as President of the Face the Future™ Foundation, led three surgical missions of international surgeons to Ekaterinburg, Russia, Ulyanovsk, Russia, and Kigali, Rwanda. One of our PGY 4 residents, Dr. Janet Chung, participated in the Ulyanovsk mission, this made possible through the support of our Department.

Dr. Robert Mounsey is currently developing a program to assist women suffering from domestic abuse who have suffered facial injuries.

Future directions

The Department is just completing a strategic planning review, which our Division contributed to through consensus opinions generated by our faculty and submitted by Dr. Adamson in his report to the Planning Committee. Our Division goals continue to be to enhance the academic teaching of facial plastic and reconstructive surgery for undergraduate, postgraduate and fellow students. Currently this is primarily being accomplished outside of the “downtown” teaching hospitals in offices and clinics. We are still pursuing the addition of one or two full-time academic facial plastic and reconstructive surgeons in hospital-based practices. We are exploring ways to increase the presence of academic facial plastic surgery in the teaching hospitals, especially considering the exceptionally experienced senior and fellowship-trained facial plastic surgeons we have in our Division. We are discussing ways to further enhance the training experience we can provide our residents and are encouraging our faculty to publish and present. It is hoped that more residents may be encouraged to participate in humanitarian activities, and our Division looks forward to assisting with plans for enhanced Department development.

As Division Head, I am privileged to be supported by an active and enthusiastic faculty who increasingly embrace the academic mission of our Department. This report can recognize only in a small way the substantial ongoing contributions, for which I am most grateful. Together we plan to build on our current foundation as we pursue the goals defined by our recent Departmental Strategic Plan.

Respectfully submitted,
Peter A. Adamson, MD, FRCSC, FACS

Hospital Reports



University Health Network

Dr. Ralph Gilbert

This academic year has been a major transition for the department with Dr. Patrick Gullane stepping down as Otolaryngologist-in-Chief after twenty-four years of remarkable leadership, passion and commitment to the department. Dr. Ralph Gilbert has been appointed

as the new Otolaryngologist-in-Chief.

The Department is pleased to announce the appointment of two new recruits. Dr. John de Almeida joins as a joint appointment with Mt. Sinai Hospital. John is a graduate of our residency program and has completed two fellowships. He spent his first year at Mt Sinai in New York under the direction of Dr. Eric Genden, developing his skills in Head and Neck Oncology, Microvascular Surgery and Robotic Surgery. John did his second year at the University of Pittsburgh under the direction of Dr. Carl Snyderman developing his skills in Endoscopic Skull Base Surgery. John will be joining our Multidisciplinary Head and Neck Program, and leading the implementation of our robotic surgery program.

The second appointment is Dr. David Pothier. David is well known to the University Department having been in a fellowship role for a number of years. David will be joining Dr. John Rutka in our neuro-otology and vestibular group with a major commitment to innovation in technology development in vestibular and hearing disorders. David has advanced skills in minimally invasive ear surgery and will further develop this program in our institution.

The Head and Neck Group including Drs. Brown, Gullane, Gilbert, Goldstein, and Irish continues 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 ASCO, IFHNOS, IAOO, COSM, AHSN, North American Skull Base, and BACO. The faculty is a major contributor to the PMH Head and Neck Site Group Translational Program.

Under Dr. Irish's leadership this year saw the opening of the new Guided Therapeutics Operating Room (GTX OR) at the Toronto General Hospital. This research operating room has the latest technology in image guidance including a robotic

cone-beam CT and a dual source CT scanner. The GTX OR will provide enormous academic opportunities for the department.

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



Mt. Sinai Hospital

Dr. Ian Witterick

Dr. Ian Witterick was appointed as Chief of the Mount Sinai Hospital (MSH) Department on July 1, 2012 after the exceptionally successful ten-year term of Dr. Jeremy Freeman. Dr. Freeman remains very active in the department as the MSH representative on the Executive Committee, Residency Program Committee, Budget

Committee and the Departmental Appointments Committee. In addition, Dr. Freeman directs the Head & Neck Oncology Fellowship Program for the University Department. Dr. Allan Vescan runs the Undergraduate Medical Education (UME) portfolio in addition to being the Assistant Director of UME (pre-clerkship) for the University Department.

Dr. Jerry Chapnik remains very active in the ambulatory clinic and is the most highly rated teacher by medical students in the department. Dr. Arnold Noyek remains active seeing patients at Baycrest. New adjunct clinical faculty working part-time at MSH are Dr. Nitin Chauhan, Dr. Xerxes Punthakee and Dr. Raewyn Seaberg. Dr. Jacob Friedberg, Dr. Kris Conrad and Dr. Bill El Masri remain active and 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 Clinics each month with our speech language pathologist, Mr. Tim Poon. Endocrinology clinics are run by Dr. Paul Walfish, Dr. Phil Segal and the newest addition, Dr. Afshan Zahedi. Dr. Walfish and Dr. Ranju Ralhan PhD run a very active basic science laboratory studying oral cancer and thyroid cancer (see details in the MSH research report). We would like to welcome our newest faculty member as of June 2013, Dr. John de Almeida whose primary office is at the University Health Network (UHN) but he is cross appointed to MSH. Dr. de Almeida has regular operating room time at MSH and will also assist with many of the microvascular reconstructions for other surgeons.

All ambulatory clinics are run out of two sites on the fourth floor at MSH. The pre-existing clinic in Room 401 and the

newer *Joseph and Mildred Sonshine Family Centre for Head & Neck Diseases* in Room 413. We have fantastic audiology and vestibular testing facilities and 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 continue to attend multidisciplinary head and neck oncology clinics at Princess Margaret Cancer Centre. Drs. Vescan and Witterick 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. Dr. de Almeida will be joining this collaboration.

Ms. Krista Riko, Director of Audiology at MSH retired on August 30, 2012 after almost 30 years of service to MSH and the University. Her willingness to help, ready smile and significant expertise are missed. In honour of her significant contributions to MSH and the University Department, one Grand Round each year will be designated as the "Krista Riko Lecture" and devoted to a topic related to audiology.

As mentioned in the Chair's Report, Dr. Arnold Noyek was named as an Officer of the Order of Canada "for his dedication to helping those with hearing loss and for his contributions to peace through health care partnerships in the Middle East". Dr. Noyek has been a passionate advocate about building trust and confidence through Middle East health care partnerships and peaceful professional cooperation.

Dr. Ian Witterick received the Canadian Society of Otolaryngology-Head & Neck Surgery's *Educational Excellence Award* which is "intended to honour an individual who has made a significant impact in the area of medical education at a national or international level". He also received the *Resident Advocacy Award* "in recognition of dedication to improving the residency program through support and mentorship".

Dr. Jeremy Freeman was honored on April 29, 2013 for his long years of service to MSH and in particular his ten year term as Otolaryngologist-in-Chief (see details in the Chairs report and the Spring/Summer issue 2013 of our Newsletter). MSH recently received the highest level of accreditation from Accreditation Canada. Several *Leading Practices* were identified including two associated with our department. These were: 1) Intraoperative parathyroid hormone testing used to rapidly measure the completeness of surgical removal; and 2) Management of hyperparathyroidism and multidisciplinary approach to thyroid cancers.

MSH continues to be a very popular rotation for residents and fellows. Generally the department has 2-3 University of Toronto Otolaryngology-HNS residents at any given time. In



the 2012-13 academic year, there were two *Head & Neck Oncology* fellows who worked with Dr. Freeman (Dr. Matthew Magarey from Australia - July 1 to December 31, 2012 and Dr. Dev Kamdar from the United States – January 1 to June 30, 2013). There was one clinical *Rhinology and Skull Base* Fellow working with Drs. Witterick and Vescan (Dr. Chris Dhepnorrarat from Australia – July 1, 2012 to June 30, 2013) and one research fellow (Dr. Cassiana Burtet Abreu from Brazil – March 2013 to present).

In addition to the usual complement of University of Toronto medical students, residents and fellows being taught in the department, we also saw an almost continuous stream of elective medical students, family practice residents, otolaryngology-hns residents from other programs, observers and visiting scholars.

Dr. Freeman is an international authority on endocrine oncology amongst other things. He has organized numerous courses and is the main person coordinating the 2nd World Congress on Thyroid Cancer in July 2013 which is expected to have over 1000 attendees. Dr. Vescan will soon be completing his Masters Degree through the Institute of Medical Science at the University of Toronto. New operating room facilities have been designed and are anticipated to be functional within the next two to three years (stay tuned).

The department has been active in fundraising. In particular, Dr. Freeman and the MSH Foundation, along with a grateful family led by Mr. Aaron Barberian, organized a wonderful dinner honoring one of Dr. Freeman's former patients, Mr. Harry Barberian. The inaugural *Harry Barberian Memorial Dinner* was held on May 22, 2013 and raised over \$50,000 to help support the research of our junior faculty and residents across the University Department. We hope to make this an annual event. Dr. Greg Randolph from Harvard University was the *Eleventh 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 held on June 13 -14, 2013. The Chapnik, Freeman and Friedberg Scholarship Award (valued at over \$15,000 per annum) was awarded to Dr. Xiao Zhao (PGY3) 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. James P. Bonaparte. The *Resident Teacher of the Year Award* funded by Dr. Witterick was awarded to Dr. Eric Monteiro.

The Albert Latner Family established the Temmy Latner/Dynacare Chair in Head and Neck Oncology many years ago and is held by Dr. Freeman. The Chair has supported and continues to support so many education and research projects in the department. Other very significant contributors to the department include the Frederic Waks Family, the Joseph Sonshine Family and the Freeman Family. Dr.

Walfish is the Alex and Simona Shnaider Research Chair in Thyroid Oncology and since 2006, he has been the principal organizer and Co-Chair of the Annual Mount Sinai Hospital Da Vinci Gala for thyroid cancer care and research in support of the Joseph and Mildred Sonshine Family Centre for Head and Neck Diseases at MSH. This year, the honorees were Michael & Grace DeGasperis. There were over 800 in attendance at the May 29, 2013 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 are redesigning a space in the department to house an interactive TeleHealth communications facility to be able to bridge small conferences and rounds with other centres around the world. The conference room should be completed in the fall of 2013 and we look forward to having this as a general resource for MSH and University Department faculty and trainees.

Ms. Caroline Prato continues to run our department in an exemplary fashion as our Business Manager. 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 Hospital for Sick Children

Dr. Blake Papsin

The Hospital for Sick Children has had a wonderful year and the departmental staff continues to be active clinically and dedicated to the academic agenda. There has been a change in leadership as after a decade of solid leadership Vito Forte has relinquished his duties as departmental

leader and passed the torch to Blake Papsin. The focus under Blake will presumably remain on provision of excellent clinical care, academic leadership and education of trainees.

The department remains very strong and has embraced the educational mission most avidly. The educational portfolio (postgraduate, undergraduate and fellowship) was assumed by Evan Propst and he has organized exhaustive curricula for all levels of trainees. In addition, he has produced a handbook for trainees which will likely be duplicated at other teaching sites within our department. His clinical

and basic science work in the airway has resulted in a number of publications most notably, a published book on teaching airway surgical technique in the animal laboratory. All departmental members have dedicated themselves to educating students at all levels and a special note must be made of the OtoSim™ device developed by Drs. Forte and Campisi, which continues to be developed and employed to educate students locally, nationally and internationally.

Dr. Campisi has become our University Department's Postgraduate Program Director in addition to serving as the President of our Hospital's Medical and Dental Society. Dr. James has increasingly become recognized as a leader in the field of middle ear disease in children and is in demand as a teacher and speaker on this subject. He has organized a pediatric temporal bone course in August 2013 which is amongst the first of its kind internationally. Dr. Cushing has continued to develop an internationally recognized vestibular program at the Hospital that has served as a basis for research, clinical care, as well as teaching. She has co-authored a textbook on vestibular disorders in children which has been fantastically received. She became the Director of the Cochlear Implant Team as well in July of 2013.

our department in a variety of activities. Two experienced speech language pathologists; Marta DeLuca (also a mezzo soprano) and Gwen Merrick (recently certified Gestalt psychotherapist) are valued members of the department and participate in multidisciplinary assessments, provide therapy and assist in research data collection.

The nasal airflow/rhinology lab is awaiting Health Canada approval of new rhinomanometric equipment which is anticipated to be in place by the fall of 2013. Dr John Lee is leading rhinology research at St. Michael's Hospital and will be directing the laboratory. The department consists of four full-time staff, and six-part time otolaryngologists. We are fortunate that two of our staff have leadership positions in Undergraduate Medical Education. Dr Molly Zirkle is the Fitzgerald Academy Director overseeing all undergraduate trainees at St. Michael's Hospital and Dr. Al Chiodo is the University of Toronto Undergraduate Director for the Department of Otolaryngology-HNS. Other educational activities at St. Michael's involve both lectures and workshops held in The Voice Clinic for graduate students from the Department of Speech Language Pathology and from the Faculty of Music.

St. Michael's Hospital is in the midst of a \$150M major 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.



St. Michael's Hospital

Dr. Jennifer Anderson

The Otolaryngology-Head & Neck Surgery clinic has been undergoing renovations during the past year and the clinic moved into the new examination space and nursing station in March of this year.

The space is designed to maximize patient flow as we have close to 25,000 patient visits per year through

the clinic. The new space has nine examination rooms of which three are procedure rooms. The addition of three new endoscopy towers with state of the art 'chip tip' endoscopes was a much needed upgrade for patient examination. These changes have made a distinct favourable impact on patient wait and cycle time through the clinic.

The audiology services and hearing aid dispensary is staffed by three audiologists and has moved into a newly renovated dispensary /office space with additional new audiometry equipment.

The voice laboratory continues to support clinical research as well contribute to education hosting speech pathology students, music students as well as resident trainees from



Sunnybrook Health Sciences Centre

Dr. Joseph Chen

The Sunnybrook Otolaryngology-HNS department remains extremely active over the past year. The Inner Ear initiative, in support of our three labs, continues to move forward with a fundraising target of \$10M.

The department is also supporting two research coordinators to help with clinical trials and database management in Otolaryngology and H&N Surgery.

In the past year, the highlights for the otology section are as follows:



Awards

The 2016 International Symposium on Cochlear Implantation and Other Implantable Prosthesis was awarded to the University of Toronto by the American Cochlear Implant (ACI) Group. The bid was led by Drs. Nedzelski, Chen and Lin. Sunnybrook and Sick Kids will play host to this prestigious conference.

J. Chen, HP Mosher Award, The Triological Society, April 2013.

Grants

Alain Dabdoub PhD: Hearing Foundation of Canada Research Grant-June 2014 (\$25,000)- Atoh1 Differential Expression in Adult Murine Tissue.

Vincent Lin: Med-EL Research Grant – June 2013 (\$50,000) Development and Validation of the Montreal Cognitive Assessment for the Severely Hearing Impaired.

Events

CEPD Course: Temporal Bone Dissection Course (Oct 11-14, 2012).
Symposium Host: Hearing Preservation Symposium-Med-El (Oct 18-21, 2012), King Edward Hotel, Toronto.

Clinical activity

1. Drs. V. Lin and J. Chen are performing the Med-El BoneBridge Implantation in a group of 20 subjects with single sided deafness and maximal conductive hearing loss. This series will represent the first such cohort in North America with both clinical and quality of life data
2. Dr. Chen performed the first Auditory Brainstem Implantation in a non-tumor subject with the new generation Med-El ABI device
3. Dr. Christoph Arnoldner had an excellent year and he successfully completed his clinical fellowship in Otology and Skull Base Surgery. He has returned to the University of Vienna. We expect him to assume a leadership position in the near future
4. Dr. Jafri Kuthubutheen worked diligently as a research fellow and will continue on as our clinical fellow in 2013-14. He has been highly productive in research; he gave 7 oral presentations and 3 poster presentations in 5 national and international meetings
5. The implant group continues to work with industry in feasibility and clinical trials on the following topics: i) Lead, Med-EL Canadian Hearing Preservation Trial using both the Flex28 and Flex31 Electrodes; ii) Our pre-operative corticosteroid hearing preservation dosing regimen trial; iii) We are continuing our collaboration with the Department of Neurology in the development and validation of the Hearing Impaired Montreal Cognitive Assessment. The pilot data was presented at the International Cochlear Implant Meeting in Baltimore, Maryland.

Highlights for the Head & Neck Oncology section include:

Awards: K. Higgins, Sunnybrook Moment-Patient Recognition Award, June 2013

Grants: K. Higgins, Site PI for the National COOLS trial. Sunnybrook continues to accrue well for this multicenter national trial.

The Odette Head and Neck Site Group received a grant to assess the role of MR-guided HIFU in the management of unresectable regional carcinoma of the head and neck (\$75000)

Events: D. Enepekides was the Chair of the AO Principles of Operative Treatment of Craniomaxillofacial Trauma and Reconstruction course in Quebec City, May 2013

Clinical Activity: Two head and neck fellows successfully completed 6-month rotations at Sunnybrook, Drs. Dev Kamdar and Stephan Haerle.

Dr. Enepekides was a visiting professor at the Zain Otolaryngology Hospital in Kuwait City, Kuwait, April 2013.

The head and neck oncology team at the Odette Cancer center continues to grow with the addition of another full-time medical oncologist and a full time research coordinator.

Toronto East General Hospital

Dr. Oakley Smith

No report submitted



St. Joseph's Health Centre

Dr. Rick Fox

The Division of Otolaryngology–Head and 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, Michael Hawke, Robert Josephson, Jack Kolenda and Ian Witterick. All members of the faculty hold appointments with the 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.

Dr. Gantous was awarded the SJHC Department of Medical Education and Scholarship (DMES) Excellence in Clinical Teaching Award-PGME this year.

We have received funding for new equipment and a new location for our 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 the large volume of varied cases.

Rhinology fellows, and in some cases facial plastic and reconstructive surgery fellows, learn from our faculty and are involved in the education and training of residents.



**North York
General Hospital**
Dr. Everton Gooden

Our Department continues to be very busy clinically. Drs. Everton Gooden, David Goldfarb, Alma Smitheringale and Manish Shah staff the Department. We are very excited to welcome Dr. Thileep Kandasamy to our group as of August 1, 2013. Dr. Kandasamy completed

his residency training at the University of Toronto and will provide general otolaryngology care with a special focus on otology.

Our group will welcome in September Clinical Clerks from the Peters Boyd Academy. We look forward to extending our involvement in the Undergraduate Medical Education Program. Dr. Kandasamy will be the site co coordinator for the Clinical Clerks.

Our Department continues to host elective students from Family Medicine, General Surgery and Otolaryngology in addition to our regular resident rotations in pediatric surgery.

Our Hospital once again submitted a balanced budget

despite the current fiscal challenges. Our Foundation has raised more than 80 million dollars towards our 150 million dollar campaign.

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

Dr. Jeffrey Mendelsohn

A year of tremendous change and preparation:

The amalgamation of Trillium Health Centre (Mississauga Site and Queensway Site) with the Credit Valley Hospital into The Trillium Health Partners, The Credit Valley Hospital, The Mississauga Hospital and Queensway Health Centre has come to fruition with the amalgamation of Department and Divisions. At present the division has 8 members but we hope to be up to our full complement of 9 members by the summer of 2013. Dr. Jeffrey Mendelsohn was appointed Chief of the Division of the Trillium Health Partners with Dr. Lorne Segall as Physician Lead at the Credit Valley Hospital.

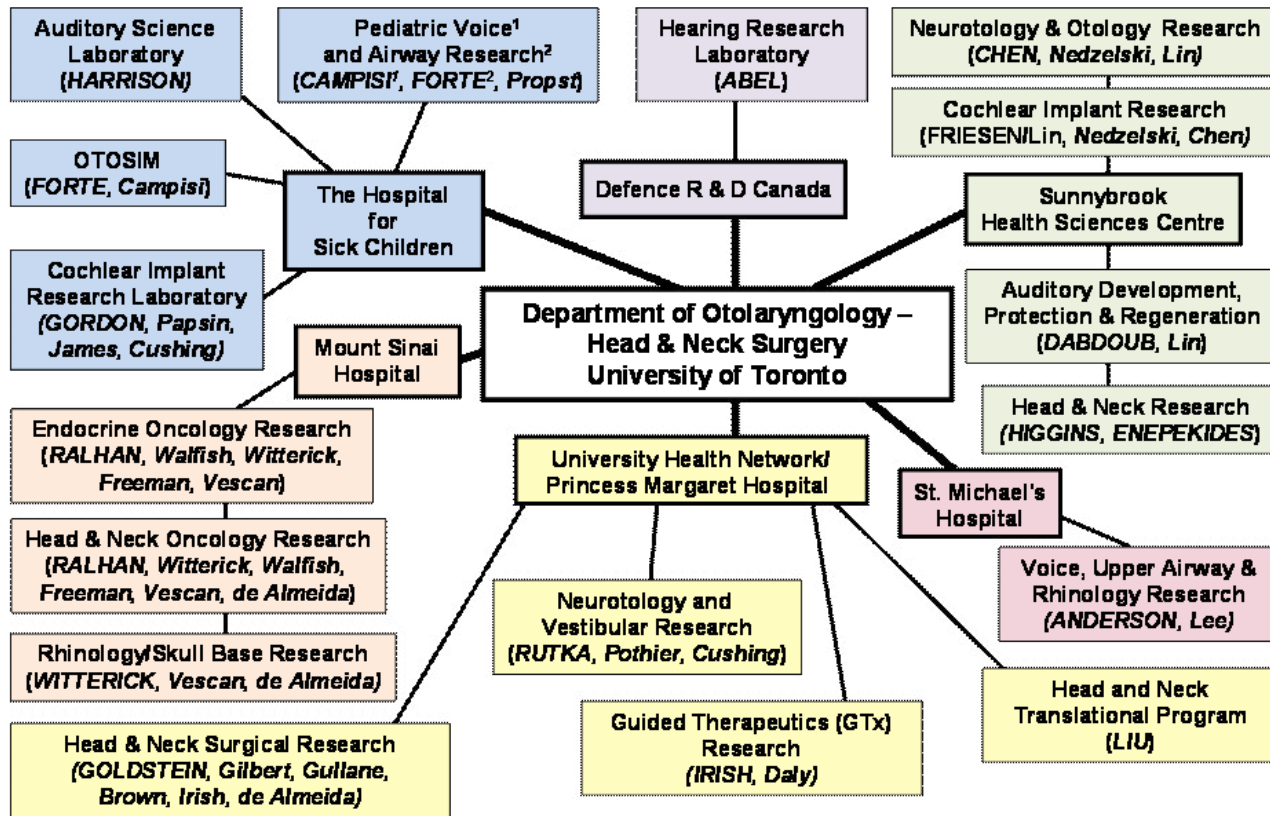
The 54 medical students who comprise the first batch of Medical Students from the University of Toronto, Mississauga Academy continued to be taught ASCM II in Mississauga. With their progression to Clinical Clerks and as they could not be taught in the individual Otolaryngologists offices, the development of an Ambulatory Teaching Clinic was required. The Division of Otolaryngology-Head and Neck Surgery had fortunately had the foresight to understand the need for such a clinic and had been petitioning the hospital administration for the past two to three years. A tremendous amount of time and energy over the last year was put into the development of this clinic. It has come to fruition with three fully equipped examination rooms and one procedure room with microscope. Teething problems persist but hopefully over the next year these will be sorted out. We would like to thank Dr. Ian Witterick for his support of the clinic.

The Trillium Health Partners (The Credit Valley Hospital, The Mississauga Hospital and Queensway Health Centre) is in an unusual position as it is in transition from a community hospital to a full teaching hospital as these medical students are **OUR** medical students (The Mississauga Academy of Medicine) and not medical students of another academy of the University of Toronto, being sent out to be taught in their community, yet we maintain elements of a community hospital (each Otolaryngologist has his own office). The hope is that this hybrid model evolves over the next few years to continue to provide excellent care to our patients but also to give our students and residents the best teaching experience that is possible.

I would like to thank all the members of the Division for their work and support over the past year.

Departmental Research Teams

Department of Otolaryngology – HNS, University of Toronto Research Teams



THE HOSPITAL FOR SICK CHILDREN

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 (CIHR) and the SickKids Foundation 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 our Research Engineer, Alex Andrews. Two graduate students successfully defended their research

theses during this past year. Daniel Wong defended his PhD research thesis through the Institute of Biomaterials and Biomedical Engineering at the University of Toronto (U of T) in September, 2012. To date, his work on cortical reorganization in children using unilateral and bilateral cochlear implants has generated 5 papers in journals ranging from *IEEE Transactions in Biomedical Engineering* to the most recent in *Brain*, 11 abstracts for presentations at international conferences, and 7 awards including 2 consecutive Ontario Graduate Studentships. Patrick Yoo, who began his Master's degree through the Institute of Medical Sciences (IMS) with us in September 2011 defended his thesis in January 2013. He studied cortical effects of childhood deafness which resulted in 1 published paper and 2 abstracts for presentations at international meetings. Salima Jiواني, who graduated from the Audiology program at Dalhousie University in 2009, joined the lab in January 2010 as a PhD candidate through the IMS. She has been an active part of studies published in 2 papers and has already collected substantial data for her thesis work in which she is assessing effects of long term cochlear implant use on cortical and behavioral development in children with early onset deafness. She published her first paper as a primary author on this work this year and has presented some of this work at international conferences with award winning

results. This year she received 2 highly competitive awards: the “Clinical-Scientist Training Award” and the “Restracomp Doctoral Training Award” from the Hospital for Sick Children as well as 4 student travel awards for outstanding abstracts submitted to 3 different international conferences. Michael Deighton began his Master’s through IMS in January 2011; he is examining binaural processing in children who received bilateral cochlear implants simultaneously. This work was presented at an international conference in March 2013 and was awarded studentship funding for Michael to attend and present the findings. Parvaneh Abbasalipour is an international Audiologist who joined our lab as a Masters Degree student through IMS in September 2011. She is studying binaural hearing in children who had long delays between implantation of their first and second ears and effects of patching the first side. She is set to defend her thesis in August 2013 and begin her PhD/clinical audiology degree at the University of Western Ontario in September 2013. A number of new graduate students joined the laboratory September 2012: Nikolaus Wolter, a Resident in the Department of Otolaryngology-Head and Neck Surgery, Melissa Polonenko, an Audiologist from the Glenrose Hospital in Edmonton, AB; Francis Manno, who most recently worked in Dr. Dan Sanes’ lab in New York University, and Morrison Steele, from the undergraduate physiology program at the University of Toronto. We were also joined for 8 months by Desiree de Vreede, a medical student at Leiden University and a Masters student in Biomedical Engineering at the Delft University of Technology in the Netherlands.

Over this past academic year, we have also enjoyed working with residents and fellows: Luis Vilchez Madrigal, Tulikah Shinghal, and Tony Eskander, and with our summer students: Katie McCann, Bridgit Allemang, and Caroline Dooley. We continue to have important collaborations locally with Robert Harrison, Sharon Cushing, Adrian James, Paolo Campisi, James Rutka, Sandra Trehub, Tracy Stockley, Susan Blaser, Mark Crawford, Frank Russo, and Lorna MacDonald; nationally with Isabelle Peretz; and internationally with Robert Cowan and Richard van Hoesel.

The past year has been very productive: 14 publications came out between June 1, 2012 and May 31, 2013. One book chapter was published in 2012. Between this summer and last, we collectively presented more than a dozen abstracts at international meetings and gave more than two dozen invited talks on every continent except Antarctica.

Pediatric Voice and Airway Research Lab **Paolo Campisi, Evan Propst, Vito Forte**

Exciting research is active along many fronts. We acknowledge and are thankful for the contributions of many of our past and present Residents and Fellows and are grateful for the financial support of our Hospital innovation

grants initiative as well as to our Foundation donor base support.

A partial project list is as follows:

- Voice therapy for the management of vocal fold nodules in children. This is a multi-centre (Toronto, Boston, Philadelphia, Milwaukee) randomized controlled trial comparing two types of voice therapy. Study is funded by a NIH grant
- Global Laryngeal Efficiency Evaluation Project. This is a new project evaluating the voices of young opera singers before and after entering an intensive training program. Co-investigators are members of the Faculty of Music and Department of Speech Language Pathology
- HPV genotype and the clinical course of children with recurrent respiratory papillomatosis. This study was piloted in Toronto and will now be extended to other sites in the Juvenile onset Recurrent Respiratory Papillomatosis (JoRRP) interest group
- Canadian JoRRP surveillance study. In the final stages of collecting data from the JoRRP interest groups to determine if there has been a change in the national prevalence and incidence of JoRRP 5 years after the introduction of HPV vaccination strategies.
- Studying the microvasculature and neovascularization using corrosion casting models and computer assisted analysis following laryngotracheal reconstruction
- Dynamic modulation of endotracheal tube cuff pressure: aspiration assessment in a novel animal model
- Study of dynamic pressure modulated cuffs in the human ICU setting
- Novel porcine simulation models for the teaching of laryngotracheal reconstruction
- Testing of various airway stents
- Use of ultrasonography to differentiate between thyroglossal duct cysts and midline dermoid cysts
- Translation of the 2-Dimensional Cotton-Myer grading system for subglottic stenosis into 3-Dimensional space
- Demographics of choanal atresia in Canada: a population based study
- Development of the olfaction system in children
- Angiogenesis in anterior costal cartilage graft laryngotracheoplasty: a corrosion casting study
- Corrosion casting of the subglottis following endotracheal tube intubation injury: a pilot study in Yorkshire piglets
- Multidisciplinary perinatal management of the compromised airway by ex utero intrapartum treatment (EXIT)
- Transplantation of a vascularized, mucosalized tracheal homograft in Yorkshire piglets



OtoSim™ Lab

Vito Forte and Paolo Campisi

OtoSim™ has enjoyed a successful year thanks to the ongoing efforts of a great team and the support of many Faculty members. Accumulated sales of our simulators are now over the \$1 million mark.

Worldwide marketing and distribution strategies are being developed as the company continues to grow. Profits will generate future revenue for both the University and Hospital Departments. A partial project list is as follows:

- Objective evaluation of otoscopy skills amongst primary care trainees. This study examines the abilities of primary care learners in family medicine and pediatrics to evaluate tympanic membranes using the OtoSim™ simulator before and after training with the unit. There is a long term follow up session assessing retention of otoscopy skills
- The above study will be replicated in other teaching centres. Thus far London and Winnipeg have shown interest in participating. This will be further explored at the National Undergraduate meeting this fall in Toronto
- The use of an otoscopy simulator in an observed structured clinical examination (OSCE) - a first look. The data is available but has not been studied as yet
- OphthoSim™ (a new study) - A grant proposal has been submitted to explore the utility of ophthalmoscopy simulation in the ophthalmology clerkship
- Novel product development: myringotomy and tube simulator, modules for mass teaching for both the ear and eye examination, advanced OtoSim™ and OphthoSim™ self-learning software upgrades and many more

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 for almost 30 years. Over that time, the laboratory has adopted many novel research techniques to explore the structure and function of the normal and pathological auditory system. The methodologies include various brain imaging and electrophysiological techniques, including our mainstay, 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. On the anatomical side, we continue to do electron microscopy and various histological evaluations of the inner ear, and we also probe neural pathways in the brain associated with hearing using neural tracer studies, or most recently immuno-labeling for cell activity.

This past year has been very busy and productive. Jaina Negandhi has been in the lab as Project Manager for a number of years. Over the past year she has been exploring some important issues regarding hearing loss as a result of cochlear damage. For example she has described in some detail the time course of cochlear excitotoxicity caused by massive glutamate release after inner haircell damage.

A visiting Scholar from the medical school of the University of Tokyo, Dr. Ujimoto Konomi ("Moto") has completed important studies on the age related aspects of otoacoustic emission suppression. The work was presented at the Collegium meeting (Rome) August 27-29, 2012 and published in *Acta Otolaryngologica*. In this work Moto worked together with our pediatric otolaryngology research fellow, Dr. Sohit Kanotra. On further research on otoacoustic emissions Adrian James has been working on the development of a new diagnostic device involving contralateral emission suppression.

Over the past year, Lisa D'Alessandro has continued her PhD thesis work. She has been interested in patterns of neural activity in the auditory mid-brain, and has been investigating whether certain sounds presented repeatedly at birth can cause a rewiring of the auditory midbrain. Mattia Carrero a Master's trainee with The Institute of Biomaterials and Biomedical Engineering (IBBME) started his research work this year and has made tremendous progress investigating some important aspects of the blood supply to the cochlea. Other trainees in the past year are summer students who have been working hard in the lab, including Adrienne Harrison, Cullen Allemang and Emily Papsin. These young, enthusiastic students are learning new research techniques including histology, electrophysiology and electron microscopy.

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. These collaborations have led to significant research findings. 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.

Our research productivity has been good with findings published in a range of basic science and clinical journals. The Auditory Science Laboratory has had a productive year thanks to all the hard work of our trainees and staff. Well done!



UNIVERSITY HEALTH NETWORK

Guided Therapeutics (GTx) Research

Jonathan Irish, David Goldstein, Michael Daly

The integration of modern technologies - such as imaging and robotics with therapy - opens the way for precise control of tumours, while sparing healthy tissues. In this program, surgeons use real-time 3-dimensional images of tumours to provide valuable information as the therapy progresses, leading to more successful interventions and fewer side effects. Such accurate imaging, combined with computer-assisted and minimally invasive surgical techniques, provides increased accuracy and precision in the treatment of cancer. This means better results for our patients and is leading to increased survival rates and an improved quality of life for cancer patients both during and after treatment.

The objectives of the GTx program are to: i) develop innovative imaging technologies for guiding therapies (e.g., 3D imaging, molecular imaging, computer-assisted surgery); ii) establish revolutionary treatments that combine the strengths of established therapies; and iii) evaluate the effectiveness of new imaging technologies when they are applied to both traditional and new treatments. GTx involves a multi-disciplinary team of clinician-scientists, surgical fellows, residents, engineers, physicists and computer programmers. This research team translates innovative technology from the 'bench top' (GTx-Lab at the MaRS Discovery District) to 'bedside' (the new TECHNA GTx-OR in Toronto General Hospital, UHN).

First Patient on April 10, 2013

http://www.thestar.com/news/insight/2013/03/23/toronto_general_hospitals_operating_room_of_the_future.html

Head and Neck Translational Program

Fei-Fei Liu

The Princess Margaret Head and Neck Cancer (HNC) Translational Research Program is amongst the top five such Programs in the world. This Program has three main goals: Firstly, to understand HNC biology at the molecular, cellular, and tumour levels, in order to acquire insights into HNC development and progression. In this process, we will discover novel biomarkers (molecular or imaging tools) for the diagnosis of this disease, monitor treatment response, and develop new therapeutic strategies, in order to ultimately achieve personalized HNC medicine. Secondly, to understand the molecular and genetic bases of treatment toxicities in response to radiation, with or without chemotherapy. This will allow us to personalize, or better select, the appropriate treatment strategies for our HNC patients. Finally, to train young scientists and physicians in the scientific pursuits of understanding human cancer biology, develop novel bio-markers, and devise new therapeutic approaches in HNC management.

Our research team of over 20 clinicians and scientist collectively work on several major projects which are focused on further understanding the development and biology of HNCs, and patients' responses to therapy. Our research is conducted in a collaborative manner, with the ultimate objective of individualized therapies to improve the outcome for HNC patients at both the Princess Margaret and around the world.

Over the past year our graduate trainees were able to receive several competitive scholarships and awards, including from the American Association for Cancer Research; Ontario Ministry of Training, Colleges and Universities; University of Toronto Faculty of Medicine; University Health Network; and Canadian Institutes of Health Research. Jeff Bruce and Lusia Sepiashvili, both PhD candidates, received Best Poster Presentation Awards at the 2013 Excellence in Radiation Research for the 21st Century (EIRR21) Annual Research Day. Jeff won for his work entitled "The Role of microRNAs in Human Nasopharyngeal Carcinoma and Lusia for her work entitled A System Analysis of oropharyngeal carcinomas". Keira Pereira, another PhD candidate, whose research is focused on characterizing and understanding the role of stromal cells as a tumor-initiating cell niche in head and neck cancer squamous cell carcinoma, received a Medical Biophysics Excellence Ontario Student Opportunity Trust Fund award.

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 and UBC; v) Longitudinal assessment of work-related injuries of the vestibular system.

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.



Two current projects that deserve mention are both collaborative in nature. The first is a joint project with CAMH and the Department of Psychiatry looking at the effect of caloric and galvanic vestibular stimulation on insight in patients with schizophrenia. The other is in partnership with the Departments of Infectious Disease and Pharmacy: the development of a scalable program for the monitoring of gentamicin vestibulotoxicity. This is in its pilot phase and has already identified occult toxicity using the cDVA device developed at TGH and presented at the recent Percy Ireland Academic Day. This program has the potential to be a world-first with Toronto leading the way in this much misunderstood and neglected area.

Our colleagues in their roles in vestibular rehabilitation and vestibular nursing have delivered research papers to the CSO-HNS Annual Meeting in Banff this year, the first time AHPs have been permitted to present work at this meeting. The work itself demonstrated new therapeutic options for conditions previously thought to be resistant to treatment: bilateral high velocity vestibular loss and cerebellar ataxia with bilateral vestibulopathy (CABV).

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

Head and neck cancer 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 surgeon investigators 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 (GTx, discussed separately);
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.

DEFENCE RESEARCH & DEVELOPMENT

Hearing Research Laboratory

Sharon Abel

In June 2001 I moved my laboratory from the Samuel Lunenfeld Research Institute of Mount Sinai Hospital to Defence Research & Development Canada – Toronto (DRDC Toronto). My research is focused on auditory perception - the detection, discrimination and localization of auditory warnings, situational awareness, and communication either by live voice or radio, in high-level noise. Variables of particular interest are the hearing status of the listeners and language fluency, as well as the benefits and drawbacks of various types of hearing protection devices. I lecture military physicians who are being trained in aviation medicine. My trainees have included military bioscience officers, some of who are working towards graduate degrees, and also undergraduate co-op students from the University of Waterloo. I oversee two research facilities: One of these is set up for the simulation of a wide range of military ambients. Currently it contains a mock-up of a military land vehicle where we carry out auditory experiments that model tasks carried out by radio operators. The other facility is designed for studies of various aspects of hearing.

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
- Validation of the Skull Base Inventory, a quality-of-life instrument developed by Dr. de Almeida

- Radioanatomic studies in chronic rhinosinusitis patients
- Diet modification in patients with chronic rhinosinusitis
- Several ongoing randomized clinical trials (post-operative medications, stents)

Head and Neck Oncology Research

Ranju Ralhan, Ian Witterick, Paul Walfish, Jeremy Freeman, Allan Vescan and John de Almeida

The laboratory is located in Lunenfeld-Tanenbaum Research Institute, Mount Sinai Hospital.

Research directions/themes: The work in our laboratory is focused on understanding the molecular basis of development of head and neck / oral squamous cell carcinomas.

The key areas are:

- Unraveling molecular mechanisms involved in malignant transformation of oral epithelial dysplasia using indigenously established in vitro and in vivo experimental models
- Developing high throughput chemical libraries based screening for development of novel molecular therapeutics for oral cancer using in vitro and in vivo experimental models of oral cancer
- Natural compounds for chemoprevention of oral cancer
- Preclinical validation of novel potential therapeutic molecular targets for head and neck cancer identified using tissue proteomics
- Proteomics based biomarkers for predicting oral pre-malignant lesions at high risk of cancer development
- Molecular prognostic signatures for recurrence in oral cancer patients

Currently, our laboratory is deciphering the molecular mechanisms underlying malignant transformation of oral dysplasia using in vitro and in vivo mouse xenograft models. Further, in search of novel molecular targeted therapy for oral squamous cell carcinoma (OSCC) patients, we screened libraries of small molecule inhibitors for their therapeutic potential using high throughput screening. Our findings led to identification of some of the novel small molecule inhibitors, currently being investigated for their therapeutic efficacy and mechanism of action in our laboratory. Using high throughput quantitative proteomics, we identified differentially expressed proteins in oral pre-malignant and malignant lesions in comparison with normal oral mucosa. Validation analysis of these proteins in independent sets of OSCCs lead to identification of a panel of potential biomarkers which can help to identify aggressive cancer cases and predict poor prognosis in OSCC patients. We also identified protein markers in oral dysplasia patients in comparison to normal oral mucosa. Oral dysplasia patients showing overexpression of these markers in tissue

sections obtained from these lesions are more likely to develop oral cancer.

Our research has led to identification of novel links between oral pre-malignancy and cancer using indigenously established in vitro and in vivo models of oral cancer. Identification of novel protein markers can help clinicians in identifying patients at high risk of cancer development in early stages. This can reduce cost and co-morbidity related to treatment of cancer. Further, among OSCC patients that show resistance to current therapeutic regimens, development of new drugs will provide alternative treatment.

Endocrine Oncology Research

Jeremy Freeman, Allan Vescan, Ian Witterick and Paul Walfish

a) Ongoing clinical studies

- Clinical outcomes using cancer database of >1000 patients
- Mapping of anatomy and distribution of metastatic neck disease from thyroid cancer
- Epidemiology of micropapillary carcinoma
- Biology of Hurthle cell lesions
- Efficacy of ultrasound and ultrasound biopsy from surgical perspective
- Clinical outcomes of use of intra-operative PTH
Prospective world-first study to determine by post-surgical thyroglobulin and neck ultrasound tests in low risk papillary / follicular thyroid carcinoma those patients who can avoid unnecessary radioactive iodine remnant ablation therapy and select those who should receive radiation therapy

Many of the studies done have been implemented into clinical practice and resulted in the acknowledgement of our program at MSH as being flagship for Best Practices by Accreditation Canada.

b) Ongoing basic science studies (Ralhan, Walfish)

The laboratory is located in the Lunenfeld-Tanenbaum Research Institute, Mount Sinai Hospital.

Research directions/themes: The work in our laboratory is focused on identifying biomarkers of diagnostic/prognostic significance for thyroid cancer patients.

- Development of Clinically Integrated Diagnostics for Thyroid Cancer
- Proteomic Characterization of Thyroid Cancer Stem Cells: Biomarkers for Tumor Aggressiveness
- Secretome proteomics based biomarkers for stratification of aggressive thyroid cancers

Using proteomics and immunohistochemistry, our laboratory identified protein biomarkers including cell adhesion proteins,



Epithelial cell adhesion molecule (EpCAM) and Activated leukocyte cell adhesion molecule (ALCAM) in thyroid benign tissues and cancers. Our results demonstrated the clinical significance of increased nuclear Ep-ICD (i.e. intracellular domain of EpCAM) in aggressive thyroid cancer tissues. Interestingly, loss of membranous ALCAM and EpEx (extracellular domain of EpCAM) correlated with progression of disease and predicts poor prognosis in thyroid cancer patients. Proteomic analysis of the thyroid cancer cell secretome led to identification of several proteins that can potentially serve as serum based non-invasive protein markers for diagnosis of thyroid cancer, predicting prognosis or response to therapy. We are also 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. 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.

Recent awards:

1. IMS Scientific Day, First Prize in Alan Wu Poster Presentation competition in May 2012 was awarded to Ms. Seham Chaker
2. Wilbur C. Wright Memorial Scholarship was awarded to Mr. Lawrence Kashat by University of Michigan for achievement in cancer research to conduct research in thyroid cancer in our laboratory

ST. MICHAEL'S HOSPITAL

Voice and Upper Airway Laboratory Jennifer Anderson

The Voice Lab at St. Michaels Hospital underwent a much needed renovation and new sound treated treatment/therapy space was added during the Otolaryngology-HNS Clinic renovation in 2013. The Voice Lab was productive in collecting and analyzing data for several studies undertaken by residents or fellows.

Dr. Prem Sombuntham from Bangkok, Thailand was the graduating Laryngology Fellow and Dr. Sombuntham presented some of this work on the 'Voice Outcomes in Adult Recurrent Papillomatosis' at the CSO-HNS meeting in Banff and at the Voice Foundation in June 2013. Marta De Luca Mus.Bac.Perf., M.Cl.Sc and Gwen Merrick M.H.Sc., Reg. CASLPO are the two experienced speech pathologists in the Voice Clinic who also participate in research data collection. Ms. DeLuca is also a mezzo soprano and Ms. Merrick has just completed a certification in Gestalt psychotherapy.

Other work undertaken in the Voice lab included data collection on Focal Laryngeal Amyloidosis and Transgendered Voice post phonosurgery. A new study is in the planning stages in collaboration with Ms. Mary Enid Haines Mus. Bac. Perf., MA. from the Faculty of Music to examine the effects of external source vibration on voice production in muscle tension dysphonia.

The Voice Lab has continued to be an educational resource for other faculties at the University of Toronto. The Voice Lab hosts several speech language pathology masters students a year for long term placement in voice therapy as well as stroboscopy/laboratory sessions for the speech science course. The Faculty of Music regularly has the Vocal Pedagogy masters class, directed by Dr. Lorna MacDonald and attends the laboratory as well.

The Otolaryngology-HNS residents spent a laryngology core session at the laboratory to acquire the basics of voice acoustic data collection and analysis.

Rhinology Research John Lee

2012-2013 has been a busy and productive year for rhinology research at St. Michael's Hospital. To complement the clinical practice, several projects have been undertaken by both residents and medical students. Rhinology research at St. Michael's falls under three main umbrellas: (1) Clinical studies; (2) Epidemiology related research; and (3) Education. For this past year, the major clinical project has been a prospective cohort study evaluating nasal nitric oxide levels in patients undergoing endoscopic sinus surgery for chronic rhinosinusitis. This work is supported by a PSI resident grant previously awarded to Dr. Aman Grewal (PGY4) and with the help of research coordinators Carmen McKnight and Theresa Aves, patient recruitment is now over the half-way mark. We anticipate to present the results from this study in 2014. Under epidemiology related research, Dr. Xiao Zhao (PGY3) undertook the task of performing a systematic review evaluating absorbable, non-absorbable and medicated spacers following endoscopic sinus surgery. Dr. Zhao presented this work as an oral presentation at the American Rhinologic Society Spring Meeting in April 2013 and the manuscript has recently been published in the *International Forum of Allergy and Rhinology*. Finally, education research has included a study evaluating the educational value of a CT sinus anatomy checklist prior to sinus surgery. This project was spearheaded by Christopher Yao (medical student) and Dr. Vinay Fernandes (PGY3) and culminated in a manuscript published in the *Journal of Surgical Education*. Most recently, Dr. Gordon Tsang (PGY1) and Dr. John Lee were awarded a St. Michael's Hospital Innovation Grant for developing a simulation model for sinus surgery in the novice trainee. We hope to carry this exciting work forward in the upcoming academic year.

SUNNYBROOK HEALTH SCIENCES CENTRE

Auditory Development, Protection and Regeneration Alain Dabdoub & Vincent Lin

The Sonja Koerner Laboratory in Auditory Hair Cell Regeneration welcomed the Dabdoub research group last fall. Dr. Dabdoub relocated his research group from the University of California San Diego.

His 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.

Cochlear Implant Research Lendra Friesen, Vincent Lin, Julian Nedzelski, Joseph Chen

The Department's cochlear implant clinical research arm has, in past years, focused in the areas of outcomes research in cochlear implantation (CI). The collaboration with industry in translational studies with new technology and treatment paradigm have been particularly fruitful. The Department was particularly excited about hosting the Hearing Preservation Workshop in Toronto last fall, and receiving the honor to host the 2016 International Symposium.

The CI database gave us an excellent foundation to study our results; recently, we recruited a clinical research assistant in otology to help with clinical trials, REB submission, and research subject coordination. The following research topics represent active research projects spanning the past two years.

1. Cochlear Implant projects (ongoing/REB phase)
 - a. MusicEar-computerized rehabilitation program for adult CI users (Industry grant)
 - b. Bilateral CI users-audiometric benefits, speech in noise, localization and QOL evaluation.
 - c. Binaural implantation in adults (industry partnership with Neurelec)-clinical trial.
 - d. Intraoperative electrocochleography during hearing preservation and non-hearing preservation surgery-feasibility and outcomes (Industry partnership-Advanced Bionics)
 - e. Hearing preservation with the preformed, mid-modiolar electrode (industry partnership-Advanced Bionics)
 - f. Unilateral CI with a CROS microphone study-phase 3 (Industry partnership-Advanced Bionics)
 - g. Hearing preservation CI-preoperative and intraoperative steroid regimen (PhD study-industry sponsor: Dr. Jafri Kuthubutheen)
 - h. Unilateral CI study for Single sided deafness (feasibility study-sponsored by Advanced Bionics)
 - i. MoCA-validation of a modified cognitive impairment measurement for elderly hearing impaired subjects who are evaluated for CI
 - j. Depth of insertion and clinical outcomes
2. Middle Ear
 - a. BoneBridge implantable device-prospective audiometric study/QOL benefits
 - b. Cost-benefit analysis of laser stapedotomy

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

Our neurotology and otology research group continues to move forward to many longstanding areas of research. Our focus is on the development of effective skull base teaching tools as well as development of new surgical techniques. We have many ongoing studies looking at both short term and long term outcomes with our surgical interventions. Finally we are currently in discussion with pharmaceutical companies to be a recruitment center for phase III trials for new drugs development for the treatment of hearing loss and tinnitus.



1. Development of an myringotomy simulator
 - a. Initial validation with expert, junior and novice surgeons
 - b. Now using simulator to correlate global rating scores of junior residents, medical students and undergraduate students with various background traits (music training, sports, video game experience)
2. Acoustic neuroma database
 - a. Intraoperative facial nerve neurophysiological measurements to monitor post-operative outcomes
 - b. Quality of life outcomes
 - c. Growth patterns
3. Skull Base
 - a. 3D micro-anatomic imaging study of the brainstem in the context of auditory brainstem implantation
 - b. Surgical anatomy of the brainstem in the context of auditory brainstem implantation

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
2. Management of oropharyngeal cancer
3. The use of elastography for the quantification of lymphedema
4. The correlation of postoperative un-stimulated thyroglobulin levels with stimulated levels in well differentiated thyroid cancer
5. Surgeon-performed ultrasound guided FNAB
6. The surgical management of paragangliomas of the head and neck
7. Morbidity associated with the Antero-lateral Thigh Flap

These projects are underway. The Head and Neck Group at Sunnybrook has partnered with other departments including pathology, endocrinology, diagnostic imaging, radiation oncology, and physiotherapy, in order to create a dynamic research group interested in outcomes and standards of care.

2. Basic Science Research

The Head and Neck research group at Sunnybrook has partnered with the image-guided therapeutics division at the Sunnybrook Research Institute and is involved in cutting edge research. Currently, the focus is on MR-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 cancer. 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 MR-guided HIFU for regionally recurrent unresectable head and neck carcinoma.
(Dr. Justin Lee PI, Dr's Enepekides and Higgins Co-PIs).

Humanitarian Outreach

Canada International Scientific Exchange Program (CISEPO)

Dr. Arnold Noyek and Team

The Canada International Scientific Exchange Program (www.cisepo.ca) has been operating as a registered Canadian charitable organization since 1984. It has a global mandate with specific application to building bridges to peace in the Middle East. Our work is about peaceful professional cooperation and knowledge transfer using a Canadian umbrella, an academic setting and being multilateral on the ground.

In order to deliver this kind of international development programming (consistent with Canadian core values) with our global partners, certain fundamental principles are essential. We operate with the top-down legitimacy of governments and universities and hospitals and the grassroots participation of academic and service partners (physicians, students, scientists, nurses, professional caregivers and communities). Operating with CEPD and formalized educational agreement structures at the Faculty of Medicine, University of Toronto, through the Department of Otolaryngology-Head & Neck Surgery, enables us to deliver specific educational and training projects through the years. The Government of Canada through CIDA and Foreign Affairs Canada (FAC) has provided financial support over two decades through formal agreements to promote universal newborn hearing screening, habilitation and family support as national health policy across the Arab and Israeli frontier for Israeli, Jordanian and Palestinian newborns and other initiatives. Other training and service agreements have been established such as CISEPO and the Royal Scientific Society of Jordan (under the Royal Court) to establish Access Hear (employing the severely deaf to manufacture affordable hearing aids for Jordan and on the

world scene); university to university agreements linked to CISEPO faculty (ie. York University and the new medical school being established at Yarmuk University in Irbid); working agreements with MASHAV (the Department for international development for the Ministry of Foreign Affairs for Israel for cross-border medical training and education); international agreements in global TeleHealth through the Peter A. Silverman global eHealth program, CISEPO and the division of neurology at the University of Toronto (with Russia, Brazil, Spain, the UK, WHO in Switzerland, etc); the Canadian-Qatari hearing health partnership to promote the public health in hearing health and advance national health policy.

There are other examples but the principle of international agreements assures high-level program delivery, effective monitoring and evaluation and confidence in program growth. A file of agreements is available in the CISEPO office. Read recent news at:

<http://www.dlsph.utoronto.ca/page/all-news>

Face the Future™

Dr. Peter Adamson and Team

Our Face the Future™ Foundation, previously known as the Canadian Foundation for Facial Plastic and Reconstructive Surgery, was founded in 1996. We have a fund which allows us to support two or three surgical humanitarian missions per year. To date we have sent missions to Ekaterinburg, Russia, Saratov, Russia, Ulyanovsk, Russia, and Kigali, Rwanda. We are in preliminary discussions regarding a mission to Latin America. Continuing support for our mission work is obtained through an annual fundraising dinner and other friends of the Foundation.

Our missions consist of 6 to 15 surgeons. On recent missions we have had the opportunity to include a resident or fellow when possible. Our focus is on children with congenital and traumatic facial deformities and we work through the local ministries of health and hospital administrations as well as the local surgeons. The local surgeons bring their challenging cases to us so that we can operate on them and also teach them our techniques. Our surgeons and our Foundation commit to several years at least in a given location so that there is continuity of care and a true building of relationships as well as expertise amongst local surgeons. As the mission develops we have also branched out to provide expertise by bringing other specialists such as anaesthesiologists, neurosurgeons, oculoplastic surgeons, clinical nurses, nurse consultants, speech pathologists, social workers, etc. We always work with the local medical teams and provide them international experts in the fields that they request.

Additional information is available at:
www.facethefuturefoundation.ca.

A video from the mission to Kigali, Rwanda in February 2013 can be downloaded at:

https://www.dropbox.com/s/1zsvvp7k6dlj5yf/FTF_Int%27IVersion_516.mov.



L to R: Ilya Shkarupin, Executive Assistant and translator; Oluyinka O. Olutuye, Professor of Pediatric General Surgery, Baylor University, Houston; Peter A. Adamson, President and Founder, Face the Future Foundation, Professor and Head, Division of Facial Plastic and Reconstructive Surgery, Department of Otolaryngology-Head & Neck Surgery, Toronto; Eric A. Jones, Pediatric Urologic

Surgeon, Volunteer Faculty, Baylor University, Houston; Janet Chung, PGY4, Department of Otolaryngology-Head & Neck Surgery, Toronto; Anthony E. Brisset, Facial Plastic Surgeon, Assistant Professor, Baylor University, Houston, Team Leader

Smile China

Dr. Joseph Wong

Providing specialized surgical, medical and health care services to children affected with facial deformities in poor developing areas within the People's Republic of China

Congratulations to Dr. Joseph Wong for his most successful international outreach with Smile China. The Smile China Project is a Canadian registered charity that has a mission of providing free facial plastic and reconstructive surgeries to underprivileged children in China, while also providing teaching of surgical techniques to local surgeons. Their goal is to help in providing a sustainable solution to the burden of approximately 40,000 new cases of cleft lip and palate born every year in China. They work in partnership with the Chinese government and Chinese Medical community. For eleven years, the Smile China Project has successfully performed over 600 cleft deformities and helped with the training of hundreds of surgeons through hands on teaching, lectures and medical conferences.

You can check out their new website at:

<http://www.smilechinaproject.org> or
<http://www.smilechina.com>

The Smile China and Dr. Wong were recently recognized in the Mississauga Legends Row – Class of 2013:
www.mississaugalegendsrow.ca

<http://www.mississauga.com/news-story/4056200-legends-row-class-of-2013-dr-joseph-wong/>



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Peer-Reviewed Publications

Listed by Journal Name

The following list of publications includes work by faculty who hold a primary appointment in the Department of Otolaryngology-Head & Neck Surgery and work by cross-appointed staff related to the core mission of this Department.

Acta Neurochirurgica

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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):583-592; 2013.

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Presentations

Visiting Professorships & Invited Lectures

INTERNATIONAL

ARGENTINA

Gordon K

Invited Lecturer: The Importance of Bilateral Cochlear Implantation for Children who are Profoundly Deaf in Both Ears. Phonak Latin American Pediatric Conference III, Opening Address. Buenos Aires, Argentina. 2012 October.

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, New South Wales, Australia. 2013 June.

Invited Lecturer:

Dysphagia Screening in Stroke Patients: A review of the literature and the necessary steps to successful implementation.

Keynote Lecture: Medical Complications of Dysphagia Depend on Whom you Ask: Three point perspective explored.

Speech Pathology Australia National Conference. Broadbeach, Queensland, Australia. 2013 June.

BRAZIL

Freeman J

Invited Lecturer:

Central Compartment Neck Dissection: An Update. Shifting Paradigms in the Management of Thyroid Cancer Over the Past 30 Years (Keynote address). Management of Advanced Thyroid Cancer Invading the Laryngo-Tracheal Complex.

Moderator: Management of Thyroid Cancer Recurrence (Case Discussion).

Moderator: Case Discussion: Management of the Thyroid Papillary Ca < 1 cm.

Internacional De Atualizacao em Cancer Da Tireoide. 2013 May.

Gordon K

Invited Speaker:

Don't Upset the Balance: Why children who are deaf in both ears need bilateral implants without delay. Programming and Balancing Bilateral Auditory Prostheses in Children.

Electrophysiological Responses in Cochlear Implant Users: Hints for setup, recording and troubleshooting.

HEARING, 2nd International Congress on Deafness and Implantable Hearing Solutions. Sao Paulo, Brazil. 2013 May.

Liu F-F

Visiting Professor: PMH Head & Neck Cancer Translational Research Program. AC Camargo Cancer Center. São Paulo, Brazil. 2012 August.

CHINA

Liu F-F

Visiting Professor: Micro-RNAs in Human Cancers – What have we learned? Peking Union Medical College. Beijing China. 2012 November.

Papsin B

The George Choa Distinguished Professorship in Otorhinolaryngology:

Exciting advances in pediatric otology (Hong Kong College of ORL).

The effective scientific presentation.

Awakening the auditory system with bilateral cochlear implants in children.

The Department of Surgery, Queen Mary Hospital, The University of Hong Kong. 2013 January.

CROATIA

Witterick I

Invited Lecturer:

Pitfalls & Pearls in the Surgical Management of Cancer of the Oral Cavity (Panelist) with: Rapidis A (Chairman), Hayden RE, Helman JI, Shaha AR (moderator), Shah JP.

Management of Malignancy of the Anterior Skull Base and Infratemporal Fossa. Presentation on Endoscopic Resection of Sinonasal Cancer of the Anterior Skull base: Indications and contraindications.

Meeting with Guest Society (North American Skull Base Society) on 21st Congress of the European Association for Cranio-Maxillo-Facial Surgery. Dubrovnik, Croatia. 2012 September.

CZECH REPUBLIC

Ngan B

Chair: Session OFP-16/Pediatric and perinatal pathology. European Society of Pathology, 24th European Congress of Pathology. 2012 September.



EGYPT

Papsin B

Invited Faculty:

- Decision making in pediatric tympanoplasty.
- Decision making in pediatric ossiculoplasty.
- Panel on Cochlear Implant complications.
- Balance disorders in children who are deaf.
- Awakening the auditory system after cochlear implantation.
- Cochlear implantation at the edge of the envelope.

30th Alexandria International Combined ORL Congress.

Alexandria, Egypt. 2012 April.

FRANCE

Enepekides D

Distinguished Speaker. Microvascular Reconstruction of the Jaws. AOCMF Advanced Symposium on Microvascular Reconstruction of the Craniofacial Skeleton. Paris, France. 2012.

Gooden E

Invited Lecturer: Controversies in Perioperative Medicine. Screening tools and OSA. Beaune, France. 2013 May.

GERMANY

Gullane PJ

Invited Lecturer:

- History and Perspectives of Neck Dissection (Chairperson).
- Keynote Speaker: Neck Dissection in Advanced Head and Neck Cancer.
- Extent of Neck Dissection (Panelist).
- Lessons Learned and Future Questions (panelist).

6th International Symposium on Metastases in Head and Neck Cancer. Marburg, Germany. 2013 January.

GREECE

Enepekides D

Faculty: Reconstruction of the Oral Cavity and Oropharynx. 4th World Congress of the International Academy of Oral Oncology. Rhodes, Greece. 2013 May.

Gullane PJ

Faculty:

- Reconstructive Options Following Surgical Treatment of Oropharyngeal Carcinoma (Chairman).
- Role of Open Surgery in Chemo-RT Failure Patients- Is there a benefit? (Panelist).
- Panelist: Grand Debate #3 - Stump the Faculty.

International Academy of Oral Oncology (IAOO) 4th World Congress. Rhodes Greece. 2013 May.

Gilbert R

Faculty: Scapular Tip Free Flap (panelist). International Academy of Oral Oncology 4th World Congress. Rhodes, Greece. 2013 May.

Higgins K

Invited Lecturer:

- Microvascular Reconstruction and the Oral Cavity Defect.
- Reconstructive Techniques in the Era of Tissue Engineering (panel discussion).
- The Human Allotransplant Cimera, A Reality or a Contradiction.

4th World Congress. International Academy of Oral Oncology. Rhodes, Greece. 2013 May.

Witterick I

Invited Lecturer: Frontiers in the Management of Oropharyngeal Carcinoma: Reconstructive options following surgical treatment of oropharyngeal carcinoma. 4th World Congress of the International Academy of Oral Oncology (IAOO). Rhodes, Greece. Presenters: Witterick IJ (moderator) with Gullane PJ, Irish J, Enepekides D, Gilbert R, O'Sullivan B. 2013 May.

IRAN

Adamson P

Invited Faculty:

- The Science of Beauty.
- Patient Selection for Rhinoplasty.
- The M-Arch Model of Nasal Tip Dynamics.
- Adolescent Cosmetic Rhinoplasty.
- Alar Base Reduction.
- Management of the Nasal Pyramid.
- Rhinoplasty Video Workshop.
- Management of the Bulbous Tip.
- Vertical Lobule Division.
- Management of the Hanging Columella.
- Rhinoplasty Patient Workshop.
- Management of the Dissatisfied Patient.
- What I have Learned from my Cosmetic Surgery Patients.
- Lessons Learned from Revision Rhinoplasty.
- The Future of Facial Plastic Surgery.
- Tools to be a Successful Surgeon.

The Third International Symposium on Advanced Techniques in Rhinoplasty, Milad Hospital, University of Tehran. 2012 December.

IRELAND

Irish JC

Visiting Professor:

- Salivary Gland Malignancy.
- New Technologies in the Operating Room.

3rd Annual Head and Neck Conference on Salivary Gland Malignancy. 2013 Feb.

ISRAEL**Gordon K**

Visiting Professor: Benefits of Simultaneous Bilateral Cochlear Implantation in Children. Sheba Medical Centre, Tel Hashomer, Tel Aviv University. Tel Aviv, Israel. 2012 August.

ITALY**Gilbert R**

Invited Speaker: Current Concepts in Reconstruction of the Maxilla. A.O.O.I, Italy. 2012 October.

Ellis D

Invited Faculty:

Blue Vein Treatment.

Skin Tightening Current Thoughts.

Voluma Injection Male Cheeks.

7th Congress International Federation of Facial Plastic Surgery Societies. Rome, Italy. 2012 May.

Papsin B

Invited Faculty:

Tools to evaluate outcome after bilateral cochlear implantation in children.

EAONO guidelines on cochlear implantation.

Cochlear reimplantation disasters.

Providing auditory cues to improve stability in children who are deaf.

New indications in cochlear implantation.

13th International Meeting of the Mediterranean Society of Otology and Audiology, Castellammare di Stabia. 2012 October.

KOREA**Cushing S**

Invited Speaker:

Controversies in the Management of Pediatric Hearing Loss (with Park A, Papsin B, Lee K, Liu J).
Cochlear Implants and Vestibular Function (with Frayssse B, Lustig LR, Deggouj N, Jin Y, Basta D).
Otitis Media: Impact of Otitis Media on Balance in Children (with Park A, Papsin B, Lee K, Liu J).

International Federation of Oto-Rhino-Laryngological Societies (IFOS). Seoul, Korea. 2013 June.

Gordon K

Invited Speaker: Brain Plasticity in Children who are Deaf. Oto-Rhino-Laryngological Societies (IFOS) World Congress. Seoul, Korea. 2013 June.

Invited Speaker: Electrophysiological Measures in Cochlear Implants. Oto-Rhino-Laryngological Societies (IFOS) World Congress. Seoul, Korea. 2013 June.

Papsin B

Visiting Professor:

Hearing Preservation in cochlear implantation I:

Round Window vs. cochleostomy.

Hearing Preservation II: Tips and pearls.

Hearing Preservation III: Outcomes.

First Soree International Cochlear Implant Symposium. 2012 November.

Invited Faculty:

Complications in Cochlear Implants.

Otitis media in children with cochlear implants.

The importance of bilateral cochlear implantation in children (CORLAS Symposium).

Bimodal hearing.

Hot topics in pediatric otolaryngology (Italian Society of Otolaryngology).

Controversies in the management of Pediatric hearing loss (Utah Symposium).

20th World Congress of international Federation of Otorhinolaryngological Societies (IFOS). 2013 June.

Irish JC

Invited Faculty:

The Role of Salvage Surgery after Failure of Chemoradiation in Head and Neck Cancer (Keynote).

Salvage Surgery: When Do We Do or Not to Do? (symposium chair)

20th World Congress of the International Federation of Oto-Rhino-Laryngological Societies (IFOS). 2013 June.

RUSSIA**Adamson P**

Invited Speaker: Lessons Learned from Revision Rhinoplasty. The Bonum Centre Face to Face mission Clinical Day. 2012 October.

Invited Speaker: Nasal Tip Dynamics. Ulyanovsk Regional Paediatric Hospital, Ulyanovsk Face the Future™ Humanitarian Mission. 2013 June.

SAUDI ARABIA**Enepekides D**

Distinguished Lecturer:

Surgical Management of Advanced Well-Differentiated Thyroid Cancer.

Reconstruction of Segmental Mandibular Defects.

Surgical Management of Laryngeal Carcinoma.

Zain Medical Center, Kuwait City, Kuwait. 2013 April.



Gilbert R

Invited Lecturer:

Surgical Management of Medullary Thyroid Cancer.
Reconstruction of the Total Parotidectomy Defect with Facial Nerve Sacrifice.
Evolving Role of Surgery in the Management of Laryngeal Cancer.
Surgery in the Treatment of Advanced Tumours of the Larynx and Hypopharynx.
Mandibular Reconstruction.

2nd Kuwait International Conference in Head and Neck Cancer. Kuwait. 2013 April.

Gullane PJ

Invited Guest:

Creativity and Innovation in Head & Neck Surgery: Looking Back - Imagine the Future. Cancer of the Oropharynx: Changing Concepts.
The Management of Well Differentiated Thyroid Cancer in 2012: Nuances and Innovations.
Session I: Thyroid Tumors (moderator).
Session I: Thyroid Tumors (panel member).

Otolaryngology-Head and Neck Surgery International Convention. Kingdom of Saudi Arabia National Guard Health Affairs. Riyadh, Saudi Arabia. 2012 September.

Irish JC

Visiting Professor:

Surgical Management of Medullary Thyroid Cancer.
Management of the Neck in Thyroid Cancer.
Management of the Local Disease-What is an acceptable margin?
Sentinel Lymph Node Biopsy in Head and Neck Melanoma-When, How and Who.
Thyroid Cancer (panelist).
Melanoma of the Head and Neck (panelist).

2nd International Conference on Head and Neck Cancer. 2013 April.

SPAIN

Gordon K

Invited Speaker:

Bilateral Cochlear Implantation in Children.
Treatment for Sensorineural Hearing Loss in 2012 (panelist).
Waking the Deprived Auditory System.

XI Course on Cochlear Implants. Pamplona, Spain. 2012 March.

Martino R

Invited Lecturer:

Screening or Initial Assessment: Dysphagia Perspective.
Clinical Methods for Screening and Assessment on Adults: North American perspective.

European Society for Swallowing Disorders, 2nd Congress. Barcelona, Spain. 2012 October.

TURKEY

Papsin B

Invited Faculty:

The Importance of Bilateral Cochlear Implantation in Children.
How to Ensure Appropriate Early Intervention Occurs Successfully: A consensus.
Cochlear Science and Research Seminar on Early Intervention.

The Green Park Pendik Center (Cochlear AG sponsored event). 2013 May.

Invited Faculty:

Bilateral Implantation in Children: What have we learned so far? (Round table on simultaneous and sequential cochlear implantation).
Stabilization of Balance Using Head References
Cochlear Stimulation (Panel on effects of cochlear implants on the vestibular system).

11th European Symposium on Pediatric Cochlear Implantation. 2013 May.

Cushing S

Chair. Vestibular. European Symposium on Pediatric Cochlear Implantation. Istanbul, Turkey. 2013 May.

Liu F-F

Invited Speaker: Translational Research in Nasopharyngeal Carcinoma. 6th International Symposium on Nasopharyngeal Carcinoma. Istanbul, Turkey. 2013 June.

UNITED KINGDOM

Adamson P

Invited Faculty:

Nasal Analysis Audience Workshop.
Performing Osteotomies.
Tip Deprojection and Rotation.
The Large Nose (Panel Moderator).
Debate on Profile Selection.
Managing Perioperative Complications.
Alar Base Management.
Video Presentation on Crooked, Overprojected Nose.

myRhinoplasty London, England. 2012 November.

Gilbert R

Visiting Professor:

Keynote: Reconstructive Surgery.
Keynote: The Future Management of Head and Neck Cancer.
Hypopharyngeal Cancer.

European Head & Neck Course. United Kingdom. 2012 October.

Invited Lecturer:

Challenges in Head & Neck Reconstruction.
The Difficult Thyroid.
Multinational Head & Neck MDT (panelist).

14th British Academic Conference in Otolaryngology (BACO). Glasgow, United Kingdom. 2012 July.

Papsin B**Visiting Professor:**

If Cochlear Implants are the Medium what is the Message? (Keynote Address)
Bilateral Cochlear Implantation in Children - What have we learned? (Round Table on Implantation Otolaryngology).

14th British Academic Conference in Otolaryngology (BACO), Glasgow, Scotland, 2012 July.

Rutka J**Invited Lecturer:**

Tumours of the CP Angle and Lateral Skull Base.
Paradigm Changes in the Surgical Decision Making Process.
Cadaveric Tympanomastoid Surgery. The Facial Nerve and How to Protect it When Performing a Modified Radical Mastoidectomy.

13th British Academic Conference in Otolaryngology (BACO).Glasgow, Scotland. 2012 July.

UNITED STATES**Adamson P****Invited Faculty:**

Patient Selection and Management of the Aesthetic Patient.
Analysis of Patient Complaints in Primary and Secondary Rhinoplasty.
Implications and Management of Cephalic Malposition of the Lower. Lateral Cartilages in Nasal Tip Surgery.
Videotape Presentation of Crooked Nose Rhinoplasty.
Judge on Panel on Controversies in Aesthetic Surgery.

Vegas Cosmetic Surgery 2013 – The Multidisciplinary Surgery Foundation. Las Vegas, NV. 2013 June.

Invited Faculty:

Rhinoplasty Analysis: Case Based Approach (Panel Moderator).
Creating the Ideal Nasal Tip Shape (Panellist).
Managing the Difficult Patient (Panellist).
Cadaver Dissection Course (Tutor & Prosector for Demo).
Advances in Rhinoplasty.

American Academy of Facial Plastic and Reconstructive Surgery (AAFPRS) Biannual International Course. Chicago, IL. 2013 May.

Guest Faculty:

Nasal Evaluation and Surgical Goals.
Managing Nasal Tip Projection.
Alar Base Reduction.
The Post-Traumatic Nose.
Things I Taught but No Longer Do.

32nd Annual Aston Baker Symposium, Cutting Edge Rhinoplasty. New York, NY. 2012 November.

Invited Faculty:

The Evolution of Facelift Technique: Where we are and where we are going (Panel Moderator).
Cosmetic Otoplasty (Instruction Course).
Modification and Refinement of the Nasal Tip.

American Academy of Otolaryngology Head and Neck Surgery (AAFPRS) Annual Meeting. Washington, DC. 2012 September.

Cushing S

Invited Speaker: Vestibular Deficits in Children with Sensorineural Hearing Loss. Balance (Vestibular) Disorders in Children – Nemours. Wilmington, DE. 2013 June.

Invited Speaker: Pediatric Vestibular and Balance Disorder Training Course. Society for Ear Nose and Throat Advances in Children (SENTAC) PreMeeting Symposia. Charleston, SC. with O'Reilly R, Morlet T, Inverso Y, Kalisperis F. 2013 November.

Druker S

Invited Lecturer: Laryngeal Papillomatosis Associated Dysplasia in the Adult Population- An update on prevalence and HPV sub-typing. The fall voice conference Atlanta, GA. 2013.

Ellis D**Featured Guest Speaker:**

Forehead and Browlift: Important Points to Consider.
Fillers & Injectables.
Laser Treatment in Facial Plastic Surgery.
Osteotomies in Rhinoplasty: Why and How?

2012 Lesley Watson ISIS Resident Surgical Simulation Facial Plastic and Reconstructive Surgery Course. University of Washington. Seattle, WA. 2012 November.

Enepekides D**Invited Lecturer:**

Non-Melanoma Skin Cancer.
Laryngeal Preservation (panelist).
Cancer of the Oral Cavity and Oropharynx (panelist).
Stump the Faculty (panelist).

Current Concepts in Head and Neck Surgery. Houston, TX. 2012 November.

DEPARTMENT OF OTOLARYNGOLOGY - HEAD & NECK SURGERY



Freeman J

Invited Lecturer:

Revision Neck Dissection for PTC Nodes.
Mistakes-Problems-Solutions.

Surgery of the Thyroid and Parathyroid Glands, Boston, MA.
2012 November.

Invited Speaker: Superior Laryngeal Nerve Complication
Prevention. American College of Surgeons Annual Clinical
Congress. Chicago, IL. 2012 September.

Gordon K

Invited Speaker: Unilateral Cochlear Implantation can
Protect the Developing Auditory System from Unilaterally
Driven Reorganization. Conference on implantable auditory
prostheses. Lake Tahoe, NV. 2013 July.

Invited Chair: The Moral of Binaural: Why and how hearing
should be restored to both ears. Invited to Chair the Annual
Academy Research Conference, American Academy of
Audiology. Anaheim, CA. 2013 April.

Invited Speaker: Clinical Research in Pediatric
Otolaryngology. Conference for the Association for Research
in Otolaryngology. Baltimore, MA. 2013 February.

Gullane PJ

Visiting Professor:

The Robert Selfe MD Lecture: Creativity and
Innovation in Head & Neck Lessons Learned:
Imagine the Future.
Judge: Resident Research Papers.

Cornell University, Ithaca, NY. 2013 June.

Invited Lecturer: John J. Conley Lecture- What Would Dr.
Conley Think? American Head and Neck Society (AHNS)
meeting, Orlando, FL. 2013 April.

Keynote Speaker. Adenoid Cystic Carcinoma & The Science
of Perineural Invasion: Are clear margins attainable for
advanced disease? Sinonasal Tumors (Panelist). North
American Skull Base Society 23rd Annual Meeting. Miami,
FL. 2013 February.

Gilbert R

Invited Speaker:

Management of Cutaneous Melanoma
Maxillary Reconstruction
Surgery for Major Salivary Tumours
Management Options for Early Glottic Cancer
Hemilaryngectomy Reconstruction
Subscapular System of Flaps

2013 Iowa Head and Neck Cancer & Reconstructive Surgery
Couse. University of Iowa - Department of Otolaryngology.
Des Moines, IA. 2013 June.

Invited Speaker: Surgical Management in the Organ
Preservation Era: American Society of Clinical Oncology
(ASCO) Annual Meeting. Chicago, IL. May 2013.

Distinguished Visiting Professor:

Creativity and Innovation in Head and Neck Surgery.
Surgical Salvage in the Chemoradiation Era
New Concepts in Maxillary Reconstruction.

University of Texas. MD Anderson Cancer Center. Houston
TX. 2013 January.

Invited Faculty:

Role of Surgery in Laryngeal Preservation.
Maxillary Reconstruction.

Current Concepts in Head and Neck Surgery. Houston TX.
2012 November.

Irish JC

Invited Faculty:

Cancer of the Oral Cavity and Oropharynx (panel
moderator).
Parotidectomy.
Stump the Faculty (panel moderator).

Current Concepts in Head & Neck Surgery, MD Anderson
Cancer Center. 2012 November.

Liu F-F

Invited Speaker: Transformative Radiation Medicine – the
Next 10 Years. Varian Meeting. Palo Alto, CA. 2013 June.

Visiting Professor: Transformative Radiation Medicine – the
Next 10 Years. Stanford University Department of Radiation
Oncology. Palo Alto, CA. 2013 June.

Lee J

Invited Faculty & Panelist: Balloon, Endoscopic or Open?
Frontal Sinus Approaches for Best Results. Rhinology and
Frontal Sinus with Skull Base Forum and Professorship.
University of Pennsylvania, Philadelphia, PA. 2013 March.

Papsin B

Invited Speaker: Twelve things you gotta know about
pediatric otology. 28th Annual Meeting of the American
Society of Pediatric Otolaryngology(ASPO). Arlington, VA.
2013 April.

Invited Faculty:

Two Ears Are Better Than One: Awakening the
auditory system in children after bilateral cochlear
implantation.
Surgeon's panel - Issues in cochlear implantation.

Cochlear Celebration - Biannual Industry sponsored
conference for Cochlear Implant Patients and Families. San
Diego, CA. 2013 February.

Invited Speaker: Re-Implantation Disasters. William House Cochlear Implant Study Group. American Academy of Otolaryngology-Head & Neck Surgery Annual Meeting. Washington, DC. 2012 October.

Propst EJ

Invited Speaker: Animal Dissection Lab for Teaching Open Airway Reconstruction. Midwest Airway Reconstruction Course. Cincinnati, OH. 2013 June.

Vescan A

Invited Faculty:
Endoscopic Approaches and Anterior Skull Base (Moderator).
Skull Base Jeopardy.
North American Skull Base Society Meeting. Miami, FL. 2013 February.

NATIONAL

Adamson P

Visiting Professor:
Surgical Scar Revision
Nasal Analysis and Rhinoplasty Workshop
Journal Club
Strategies and Attitudes to Achieve Professional Success (Grand Rounds)
Department of Otolaryngology-Head & Neck Surgery, University of Calgary, Calgary, AB. 2013 April.

Brandt M

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. 2013 January.

Campisi P

Invited Lecturer: Recurrent Respiratory Papillomatosis - Update 2013. International Pediatric Otolaryngology Update. Montreal, QC. 2013 May.

Conrad K

Invited Lecturer:
Customizing your Facelift Surgery.
Practical Examples of Management of the Aging Face – Case presentation.
17th Annual McGill University Update in Otolaryngology – Head and Neck Surgery. Mont Tremblant, QC. 2013 March.

Cushing S

Invited Speaker: Evaluation of Pediatric Hearing Loss. International Pediatric Otolaryngology Update, Montreal, QC. 2013 May.

Enepekides D

Chair: Free Flap Reconstruction of Large Mandibular Defects. AOCMF - Principles of Operative Treatment of Craniomaxillofacial Trauma and Reconstruction. Quebec City, QC. 2013 April.

Higgins K

Invited Speaker:
Management of Parasymphyseal Fractures.
Video Presentaion on Lag Screw Fixation.
AO Society. Quebec City, QC. 2013 April.

Irish JC

Invited Speaker:
Implementation of Organizational Standards in Surgical Oncology: The Ontario Experience.
Co-Moderator: Guideline Implementation Strategies.
Alberta Health Services, Provincial Head and Neck Tumour Team Meeting, Edmonton, AB. 2012 October.

Martino R

National Stroke Rehabilitation Course - Part I: Dysphagia and Nutrition. Canadian Stroke Congress. Calgary, AB. 2012 October.

Witterick I

Facilitator: Vascular Injuries. North American Endoscopic Management of Vascular Injuries Workshop. McGill University. Montreal, QC. 2013 June.

Invited Lecturer: Cavernous Sinus, Clivus. North American Masterclass in Endoscopic Sinus Surgery, McGill University, Montreal, QC. 2013 June.

PROVINCIAL/LOCAL

Adamson P

Invited Speaker: A Personal Overview of Primary Rhinoplasty. Anderson Study Group, University of Toronto Faculty of Dentistry. Toronto, ON. 2012 October.

Brandt M

Invited Lecturer: Nasal Anatomy and Analysis for Rhinoplasty. Annual Clinic Day of the Canadian Academy of Facial Plastic and Reconstructive Surgery. Toronto, ON. 2012 October.

Guest Lecturer:

Local flaps in nasal reconstruction.
Examinable topics in facial plastic & reconstructive surgery.

Otolaryngology Teaching Rounds. Division of Otolaryngology-Head and Neck Surgery, Department of Surgery, McMaster University. Hamilton, ON. 2012 September.



Campisi P

Invited Lecturer: Upper Airway Anomalies. The Hospital for Sick Children Pediatric Update Conference. Toronto, ON. 2013 April.

Invited Lecturer: The Epidemiology of JoRRP in Canada. University of Ottawa Grand Rounds. Ottawa, ON. 2013 February.

Chiodo A

Demonstrator: Management of Surgical Airway. Principles of Surgery, Surgical Bootcamp. Department of Surgery, Faculty of Medicine, University of Toronto. Toronto, ON. 2013 July.

Presenter: Faculty Development Seminar in Undergraduate Medical Education. Department of Otolaryngology-Head & Neck Surgery, Toronto East General Hospital, Faculty of Medicine, University of Toronto. Toronto, ON. With Bajcar J. 2013 June.

Faculty: Year IV Research Presentations. Percy Ireland Academic Day Lectures. Department of Otolaryngology-Head & Neck Surgery, University of Toronto. Toronto, ON. Moderator: 2013 May.

Presenter: Faculty Development Seminar in Undergraduate Medical Education. Department of Otolaryngology-Head & Neck Surgery, Mississauga Academy of Medicine, Faculty of Medicine, University of Toronto. Toronto, ON. With Bajcar J. 2013 May.

Invited Lecturer: Undergraduate Medical Education in Otolaryngology-Head & Neck Surgery. Grand Rounds. Department of Otolaryngology-Head & Neck Surgery, University of Toronto. Toronto, ON. With Bajcar J. 2013 May.

Invited Speaker: Clerkship and Longitudinal Experiences in Otolaryngology-Head & Neck Surgery. North York General Hospital. Toronto, ON. 2013 February.

Faculty: Pediatric Otolaryngology-Head & Neck Surgery, MMMD course, second year medical school class. Faculty of Medicine, University of Toronto. Toronto, ON. 2013 February.

Invited Faculty: MMMD Seminar. Fitzgerald Academy, Faculty of Medicine, University of Toronto. 2013 February.

Invited Speaker: Longitudinal Experiences in Otolaryngology-Head & Neck Surgery. Preclerkship Committee, Faculty of Medicine, University of Toronto. Toronto, ON. 2013 January.

Invited Speaker: Clerkship and Longitudinal Experiences in Otolaryngology-Head & Neck Surgery. Markham Stouffville Hospital. Markham, ON. 2013 January.

Invited Guest Speaker: Head & Neck Injuries. Bishop Strachan School. Toronto, ON. 2012 December.

Invited Guest Speaker: Balloon Sinuplasty. Department of Family Medicine Grand Rounds, Toronto East General Hospital. Toronto, ON. 2012 September.

Faculty: OtoSim™ Seminar. "Otosim Night", second year medical class, Faculty of Medicine, University of Toronto. Toronto, ON. With Lee J, Vescan A, Campisi P, Forte V. 2013 February.

Cushing S

David Tomlinson Memorial Lecture: Finding Balance- An Academic Career. Department of Otolaryngology-Head and Neck Surgery, University of Toronto Grand Rounds, Toronto, ON. 2013 February.

Druker S

Expert panelist:

Reflux Laryngitis.
Difficult Cases.

The Annual Otolaryngology Update, Department of Otolaryngology-Head & Neck Surgery, University of Toronto. Toronto, ON. 2013.

Lecturer: Reflux Laryngitis. The Toronto Voice Course. Department of Otolaryngology – Head and Neck Surgery University of Toronto. Toronto, ON. 2012.

Ellis D

Invited Faculty: Transblepharoplasty Browlift. Canadian Academy of Facial Plastic & Reconstructive Surgery. Toronto, ON. 2012 October.

Enepekides D

Visiting Professor:

Lunch with the Professors - Oral Cavity Tumor Board (panelist).
Indications for Adjuvant Therapies after Surgical Treatment of Oral Cavity Cancer.
8th International Conference on Head and Neck Cancer. Toronto ON. 2012 July.
Faculty: Reconstruction of Complex Scalp Defects.

University of Toronto - Microvascular Head and Neck Reconstruction Course. Toronto ON. 2012 July.

Gullane PJ

Invited Speaker. Human Papilloma Virus and Head & Neck Cancer. Ontario Association of Radiologists (OAR) meeting, Toronto, ON. 2013 May.

Session Chair: Work Undertaken by Residents. University of Toronto Department of Otolaryngology-Head and Neck Surgery Annual Percy Ireland Academic Day. Toronto, ON. 2013 May.

Higgins K

Presenter: Contemporary Management of Melanoma and the OCC Head and Neck SLN Experience. University of Toronto, Faculty of Medicine, Department of Otolaryngology-Head and Neck Surgery. 2013 March.

Invited Lecturer: Management of Oropharyngeal Cancer. OTOHNS Update, University of Toronto, Department of Otolaryngology-Head and Neck Surgery. Toronto, ON. 2013 February.

Faculty: University of Toronto Microvascular Head and Neck Reconstruction Course. Toronto, ON. 2012 July.

Chair: Quality of Life in the Age of Organ Preservation Protocols. American Head and Neck Society 8th International Conference on Head and Neck Cancer. Toronto, ON. 2012 July.

Irish JC

Invited Lecturer: Using Volume Funding to Improve Access to Care and Quality of Care in Cancer Surgery. Cancer Care Ontario CEO-RVP Forum. Toronto, ON. 2013 June.

Lecturer: Oropharynx-Oral Cavity Clinical Overview. Ontario Association of Radiology-Head & Neck. Toronto, ON. 2013 May.

Invited Lecturer: The Ontario Wait Times Story: Improving Access and Improving Quality of Care. The Taming of the Queue Wait Times Conference. Ottawa, ON. 2013 March.

Faculty:
Robotics in Head and Neck Cancer Surgery (panel moderator).
Proffered Papers: Genomics I (panel moderator).
Tumor Board: Melanoma (lecturer).
8th International Conference on Head and Neck Cancer. Toronto, ON. With Cortsen M, Gentry LR, Joshua A, Subramanian S. 2012 July.

Freeman J

Invited Lecturer: Current Concepts in the Management of Thyroid Nodular Disease and Malignancies. Cancer Care Ontario. Waterloo, ON. 2013 March.

Faculty:
Papillary Thyroid Cancer (Panel Moderator).
Tumor Board: Thyroid Neoplasms.
Extent of Surgery in Thyroid Cancer.
8th International Conference on Head and Neck Cancer. Toronto, ON. 2012 July.

Goldstein D

Faculty:
Prognostic Biological Parameters in Neck Dissection Specimens (panelist).
Proffered Papers: Genomics I (moderator).
Practical Use of Patient Reported Outcomes in Day-to-Day Clinical Care (instructor).
8th International Conference on Head and Neck Cancer. Toronto, ON. 2012 July.

Faculty:
Technique of Harvest Forearm Flap and Demonstration (lecturer).
Harvest of Forearm Flap (panelist).
The Forearm Flap (lecturer).
University of Toronto Microvascular Head & Neck Reconstruction Course. Toronto, ON. 2012 June.

Gordon K

Invited Faculty: Krista Riko Inaugural Lecture: Use or Lose it: The importance of restoring bilateral hearing to children with hearing loss. Grand Rounds, Department of Otolaryngology-Head and Neck Surgery, University of Toronto. Toronto, ON. 2013 February.

Invited Speaker: Developmental Plasticity in the Human Bilateral Auditory System. Neuroscience Speaker Series, York University. Toronto, ON. 2013 January.

Invited Speaker: Use it or Lose it: The case for early bilateral cochlear implantation in children. Canadian Association of Audiologist, Annual Convention. Ottawa, ON. 2012 October.

Propst E

Lecturer: Advanced Surgical Techniques in the Management of Pediatric Obstructive Sleep Apnea: Ontario Dental Association Annual Spring Meeting. Toronto, ON. 2013 March.

Lecturer: Pediatric Obstructive Sleep Apnea. Otolaryngology Update 2013. Toronto, ON. 2013 February.

Invited Speaker: Hands-on Workshop. ENT Bootcamp. London, ON. 2012 September.

Lee J

Invited Panelist: Surgical Management of the Inferior Turbinate. The 11th Annual Otolaryngology-Head & Neck Surgery Update. The Toronto East General Hospital, Toronto, ON. 2013 January.

Invited Faculty: Dissection Lab Instructor. North American Masterclass in Endoscopic Sinus Surgery. McGill University, Montreal, QC. 2013 June.



Invited Speaker: Evidence in Sinus Surgery. Community Otolaryngology Journal Club, Mississauga, ON. 2012 October.

Invited Speaker: Chronic Rhinosinusitis – Where are we in 2012? Division of Allergy & Immunology Teaching Rounds, St. Michael's Hospital, Toronto, ON. 2012 October.

Course Host & Invited Faculty/Speaker:
Endoscopic Anatomy of the Lateral Nasal Wall.
Comprehensive Management of the Frontal Sinus.
10th Annual Canadian Otolaryngology-Head & Neck Surgery Residents' Sinus Course. Toronto, ON. 2012 July.

Liu F-F

Invited Lecturer:
The Next Frontiers of HPV OPC
Biomarkers and Signature Therapeutics: Integrating into Clinical Practice
8th International Conference on Head & Neck Cancer. Toronto ON. 2012 July.

Invited Panelist: The Hospital for Sick Children, 1st GFCC Cross-Talk, Personalized Cancer Medicine: At what cost? Toronto, ON. Presenter: Liu F-F. 2012 September.

Martino R

Recovering Swallowing Function after Chemoradiotherapy. 15th Annual Wharton/Elia Day, University Health Network, Toronto, ON. 2013 May.

Evidence-Based Practice in Speech-Language Pathology. Providence Health Care. Toronto, ON. 2012 December.

Current Measures of Swallowing Function: What are they? What do they mean? American Head and Neck Society Annual Meeting. Toronto, Ontario, Canada. With Hope A. 2012 July.

Patient Perception versus Physiology in the Evaluation and Management of Cancer-Related Swallowing Disorders. American Head and Neck Society Annual Meeting. Toronto, ON. 2012 July.

Rutka J

Invited Lecturer:
Challenges and Controversies in mTBI: The Science and Clinical Management of Concussions.
Treatment of Vestibular Disorders in the Traumatic Brain Injured Patient
St. Michael's Head Injury Program. Toronto, ON. 2013 February.

Vescan A

Presenter: Endoscopic Approach to the Sella. University of Toronto Lougheed Microsurgical and Endoscopic Cranial Base Course. Toronto, ON. 2012 October.

Presenter: Airway Management and Surgical Airway. University of Toronto. Surgical Skills Core Curriculum Teaching. Toronto, ON. 2012 October.

Invited Speaker: Panel: Sinonasal and Skull Base Surgery: Pushing the Frontiers. 8th International Conference on Head and Neck Cancer. Toronto, ON. 2012 July.

Witterick I

Invited Speaker: CaRMS Interviews: Traditional vs. MMI. All Program Director's Meeting, Postgraduate Medical Education, Faculty of Medicine, University of Toronto. Toronto, ON. 2013 June.

Invited Lecturer: Endoscopic Approaches and Reconstruction for Sinonasal/Skull Base Neoplasms. Department of Otolaryngology-Head & Neck Surgery. Western University. London, ON. 2013 April.

Invited Lecturer: Rhinosinusitis Guidelines: What direction are we heading? Allergy Update - Allergy Asthma & Immunology Society of Ontario. Toronto, ON. 2013 April.

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. Toronto, ON. 2013 Feb.

Invited Speaker: Salivary Gland Neoplastic Disease & Management. Oral & Maxillofacial Surgery Resident. Faculty of Dentistry, University of Toronto. Toronto, ON. 2012 November.

Invited Speaker: Management of CRS/FESS. Oral & Maxillofacial Surgery Resident, Faculty of Dentistry, University of Toronto. Toronto, ON. 2012 October.

Grand Rounds Presenter: State of the Union and Looking Forward. Department of Otolaryngology-Head & Neck Surgery, University of Toronto. Toronto, ON. 2012 October.

Invited Lecturer: Instructional Course on Skull Base Surgery: Open and endoscopic approaches. i. Indications and technique of anterior craniofacial resection; ii. Evidence-based review: Sinonasal undifferentiated carcinoma; iii. Evidence-based review: Mucosal melanoma. 8th International Conference on Head and Neck Cancer. Toronto, ON. 2012 July.

Papers Presented at Conferences/ Society Meetings

INTERNATIONAL

INDIA

Nasal Tip Plasty (Keynote Lecture). Third Annual Pan Asia Academy of Facial Plastic and Reconstructive Surgery Meeting, Kokilaben Dhuru Bhai Ambani Hospital, Mumbai, India. Presenter: Adamson P. 2013 February.

Transconjunctival Lower Blepharoplasty. Third Annual Pan Asia Academy of Facial Plastic and Reconstructive Surgery Meeting, Kokilaben Dhuru Bhai Ambani Hospital, Mumbai, India. Presenter: Adamson P. 2013 February.

The Deep Plane Face Lift. Third Annual Pan Asia Academy of Facial Plastic and Reconstructive Surgery Meeting, Kokilaben Dhuru Bhai Ambani Hospital, Mumbai, India. Presenter: Adamson P. 2013 February.

ITALY

Stabilization of balance using trans-cochlear stimulation: Proof of concept of a vestibular neuroprosthetic. CORLAS (Collegium Oto-Rhino-Laryngologicum Amicitiae Sacrum) Annual Meeting, Rome, Italy. Presenters: Cushing SL, Pothier DD, Hughes CX, Papsin BC. 2012 August.

A Sensitive Period for Bilateral Auditory Development in Children who are Deaf. Scientific meeting of the Collegium Oto-Rhinolaryngologicum Amicitiae Sacrum. Rome, Italy. Presenters: Gordon KA, Papsin BC. 2012 August.

Determining the Best Graft-Sealant Combination for CSF Leak Repair Using an in-vitro Porcine Model. Collegium Oto-Rhinolaryngologicum Amicitiae Sacrum. Rome, Italy. Presenters: Witterick IJ. Authors: Fandino M, Macdonald KI, Singh D, Whyne CM, Witterick IJ. 2012 August.

POLAND

Management of The Nasal Pyramid and Crooked Nose. 9th Polish Rhinology Society Forum, Warsaw, Poland. Presenter: Adamson P. 2012 December.

The M-Arch Model of Nasal Tip Dynamics. 9th Polish Rhinology Society Forum. Warsaw, Poland. Presenter: Adamson P. 2012 December.

Rhinoplasty Video Workshop. 9th Polish Rhinology Society Forum. Warsaw, Poland. Presenter: Adamson P. 2012 December.

Rhinoplasty Patient Workshop. 9th Polish Rhinology Society Forum. Warsaw, Poland. Presenter: Adamson P. 2012 December.

Nasal Tip Suturing Techniques. 9th Polish Rhinology Society Forum. Warsaw, Poland. Presenter: Adamson P. 2012 December.

SPAIN

De-Intensification Candidate Subgroups in HPV-Related Oropharyngeal Cancer According to Minimal Risk of Distant Metastasis. 4th International Conference on Innovative Approaches in Head & Neck Oncology (4th ICHNO). Barcelona, Spain. Presenters: O'Sullivan B, Huang SH, Siu LL, Waldron J, Zhao H, Perez-Ordóñez B, Weinreb I, Irish, Liu FF, Xu W. 2013 February.

Temporal Regression and Regional Control Following Primary Radiotherapy for HPV(+) vs. HPV(-) Head & Neck Cancers. 4th International Conference on Innovative Approaches in Head & Neck Oncology (4th ICHNO). Barcelona, Spain. Presenters: Huang SH, O'Sullivan B, Xu W, Zhao H, Chen D, Chan K, Kim J, Bayley A, Goldstein D, Waldron J. 2013 February.

SWITZERLAND

The Identification of a miRNA Expression Signature Associated with Risk of Distant Relapse in Human Nasopharyngeal Carcinoma. The Wolfsberg Meeting Series. Wolfsberg, Switzerland. Presenters: Bruce J, Hui A, Waggoner D, Xu W, Perez-Ordóñez B, Weinreb I, Liu F-F. 2013 June.

THE NETHERLANDS

Simultaneous Bilateral Cochlear Implantation Protects Auditory Pathways in Children who are Deaf. 7th International Symposium on Objective Measures in Auditory Implants. Amsterdam, The Netherlands. Presenters: Gordon KA, Papsin BC. *Abstract awarded first place in Plasticity section.* 2012 September.

TURKEY

Complications of Acute Otitis Media in Children with Cochlear Implants: Saving the device. 11th European Symposium on Pediatric Cochlear Implantation. Istanbul, Turkey. Presenters: Osborn HA, Cushing SL, Gordon KA, Papsin BC. 2013 May.

Risk of Cochlear Implant Failure Increases in Children with Vestibular Dysfunction. 11th European Symposium on Pediatric Cochlear Implantation. Istanbul, Turkey. Presenters: Cushing SL, Wolter NE, Gordon KA, Papsin BC. 2013 May.

Using Cochlear Implants to Improve Postural Stability in Children. 11th European Symposium on Pediatric Cochlear Implantation. Istanbul, Turkey. Presenters: Cushing SL, Pothier DD, Hughes CX, Papsin BC. 2013 May.



UNITED KINGDOM

Age Related Variability in Scalp Thickness in Children. OSSEO Conference, Newcastle, United Kingdom. Presenters: Cushing SL, Park E, Papsin BC. 2013 June.

Trauma Related Injury to Percutaneous Implants in the Pediatric Population: Prevalence and Management. OSSEO Conference, Newcastle, United Kingdom. Presenters: Cushing SL, Papaioannou V, Papsin BC. 2013 June.

Identifying the Initial Peri-Diagnostic Encounter Leading to a Cancer Diagnosis. National Awareness and Early Diagnosis Initiative (NAEDI) Conference. Cambridgen, UK. Presenters: Groome P, Whitehead M, Irish JC, Grunfeld E, Moineddin R. 2013 April.

Factors Associated with the Length of the Peri-Diagnostic Encounter Leading to an Oral Cavity Cancer Diagnosis: Demonstration of a New Approach using Administration Data. 6th International Annual meeting of the Cancer and Primary Care Research International Network (Ca-PRi). Cambridgeshire, UK. Presenters: Groome P, Whitehead M, Irish JC, Grunfeld E, Moineddin R. 2013 April.

UNITED STATES

Smoking Cessation Analysis Based on Social Smoking Exposure. American Society of Clinical Oncology (ASCO) 2013 Annual Meeting, Chicago, IL. Presenters: Lawson Eng, Dan Pringle, Xin Qiu, XiaoWei Shen, Chongya Niu, Mary Mahler, Oleksandr Hayatskyy, Rebecca Charow, Christine Lam, Ravi M, Shani, Jodie Villeneuve, Kyoko Tiessen, Catherine Brown, Shabbir MH Alibhai, Jennifer M Jones, David P Goldstein, Wei Xu, Peter Selby, Geoffrey Liu. 2013 May.

A Systematic Review of Non-Absorbable, Absorbable and Steroid Impregnated Spacers Following Endoscopic Sinus Surgery. American Rhinologic Society at the Combined Otolaryngological Spring Meeting (COSM). Orlando, FL. Presenters: Zhao X, Grewal A, Briel M, Lee J. 2013 April.

Angiogenesis in Anterior Costal Cartilage Graft Laryngotracheoplasty: A corrosion casting study. The American Society of Pediatric Otolaryngology Annual Meeting. Arlington, VA. Presenters: Kus L, Harrison RV, Campisi P, Forte V, Propst EJ. 2013 April.

Dynamic Modulation of Endotracheal Tube Cuff Pressure: Aspiration assessment in a novel animal model. The American Society of Pediatric Otolaryngology Annual Meeting. Arlington, VA. Presenters: Kanotra SP, Campisi P, Forte V, Propst EJ. 2013 April.

Use of Ultrasonography to Differentiate Between Thyroglossal Duct Cysts and Midline Dermoid Cysts. The American Society of Pediatric Otolaryngology Annual

Meeting. Arlington, VA. Presenters: Oyewumi M, Greer ML, Campisi P, Forte V, Propst EJ. 2013 April.

Translation of the 2-Dimensional Cotton-Myer grading System for Subglottic Stenosis into 3-Dimensional Space. The American Society of Pediatric Otolaryngology Annual Meeting. Arlington, VA. Presenters: Kanotra SP, Campisi P, Forte V, Propst EJ. 2013 April.

Comorbidity and Performance Status are Independent Prognostic Factors in Head and Neck Squamous Cell Carcinoma Patients. 116th Triological Society Annual Meeting at COSM. Orlando, FL. Presenters: Wang JR, Habbour S, Espin-Garcia O, Chen D, Huang S, Xu W, Liu F-F, Brown DH, Gilbert RW, Gullane PJ, Irish JC, Goldstein DP, Liu G. 2013 April.

Stabilization of Balance Using Head Referenced Cochlear Stimulation. 28th Annual Meeting of American Society of Pediatric Otolaryngology (ASPO). Arlington, VA. Presenters: Cushing SL, Pothier DD, Hughes CX, Wolter N, Gordon KA, Papsin BC. 2013 April.

Laryngeal Papillomatosis Associated Dysplasia in the Adult Population: An update on prevalence and HPV sub-typing. Combined Otolaryngology Spring Meeting. Orlando FL. Presenters: Davids T, Muller S, Wise J, Johns MM III, Klein AM. 2013 April.

The Potential Role of Cellular Iron in Head and Neck Squamous Cell Carcinoma. Association for Cancer Research Annual Conference. Washington DC. Presenters: Lenarduzzi M, Hui A, Yue W, Williams J, Liu F-F. 2013 April.

Identification of Basal-Like Subtype-Specific MicroRNAs in Lymph Node Negative Breast Cancer. Association for Cancer Research Annual Conference. Washington DC. Presenters: Shi W, Bruce J, Yan R, Liu F-F. 2013 April.

The Identification of a miRNA Expression Signature Associated with Risk of Distant Relapse in Human Nasopharyngeal Carcinoma. Washington DC. Association for Cancer Research Annual Conference. Presenters: Bruce J, Hui A, Waggot D, Xu W, Perez-Ordóñez B, Weinreb I, Liu F-F. 2013 April.

Improving Quality and Completeness of Cancer Pathology Reporting: Results of a Large Scale 8 Year Canadian Project. United States & Canadian Academy of Pathology's 102nd Annual Meeting. Baltimore, MD. Presenters: Strigley J, Divaris D, McGowan T, Brierley J, Yurcan M, Irish J, McLeod R, Ross J, Rossi R, Yardley T, Schill R, King MJ, Hart J, Wilson-Li D and Sawka C. 2013 March.

Anatomical Variants and Landmarks for the Anterior Ethmoid Artery: A study of CT imaging. 23rd Annual Meeting of the

North American Skull Base Society. Miami, FL. Presenters: Dhepnorrrarat RC. Authors: Dhepnorrrarat RC, Witterick IJ, Vescan AD. (Trainee Presentation). 2013 February.

Can we Restore Binaural Hearing to Children with Bilateral Cochlear Implants by Removing the First Implant? 40th Annual Meeting of the Society for Ear Nose and Throat Advances in Children (SENTAC). Charleston, SC. Presenters: Abbasalipour P, Cushing SL, Papsin BC, Gordon KA. 2012 December.

Cochlear Implantation in Children with Asymmetric Hearing Loss. 40th Annual Meeting of the Society for Ear Nose and Throat Advances in Children (SENTAC). Charleston, SC. Presenters: Gordon KA, Polonenko M, Papsin BC. 2012 December.

Patient Centered Wait Time Measurement in Ontario. American Society of Clinical Oncology Quality Care Symposium. San Diego, CA. Presenters: Kaizer L, Krzyzanowska MK, Hertz S, Srigley J, Dobranowski J, Irish JC, Warde P, Gao J. 2012 November.

Developing a Comprehensive Smoking Cessation Program in Patients with Lung Cancer: The role of social smoking environments. American Society of Clinical Oncology Quality of Care Symposium. San Diego, CA. Presenters: Eng L, Qiu X, Su S, Palepu P, Hon H, Fadhel E, Harland L, La Delfa A, Habbous S, Cuffe S, Kashigar A, Pierre A, Leighl N, Goldstein D, Wei X, Liu G. 2012 November.

Surgical Feasibility of Vibrant Soundbridge® in Children with Unilateral Congenital Aural Atresia. 40th Annual Meeting of the Society for Ear Nose and Throat Advances in Children (SENTAC). Charleston, SC. Presenter(s): Cushing SL, Papsin, BC. 2012 November.

Using Web-Based Practice to Maintain Dysphagia Screening Skills. American Speech-Language-Hearing Association Annual Convention. Atlanta, GA. Presenters: Martino R, Herlihy-O'Connor L. 2012 November.

Determining a Dysphagia risk Profile for Patients Following Extubation. American Speech-Language-Hearing Association Annual Convention. Atlanta, Georgia, United States. Presenters: Skoretz S, Martino R. 2012 November.

Does IMRT for Hypopharyngeal Cancer Improve Loco-Regional Control? A comparison to 3D conformal radiotherapy. American Society for Therapeutic Radiology and Oncology (ASTRO) 54th Annual Meeting. Boston, MA. Presenters: Mok G. Authors: Mok G, Gauthier I, Jiang H, Huang SH, Chan K, Witterick I, Kim J, Waldron J, O'Sullivan B, Ringash J. (Trainee Presentation). 2012 October.

Temporal Regression of Cervical Lymph Node in N2-N3 Head and Neck Cancer Treated with Primary Radiotherapy ± Chemotherapy: Stratified By HPV Status. American Society for Radiation Oncology (ASTRO) 54th Annual Meeting. Boston, MA. Presenters: Huang S, O'Sullivan B, Xu W, Zhao H, Chen D, Kim J, Bayley A, Chan K, Goldstein D, Waldron J. 2012 October.

Steroids and Endotracheal Tube Related Laryngotracheal Trauma: A study in a sus scrofa model of accelerated airway injury. American Academy of Pediatrics (AAP) National Conference. New Orleans, LA. Presenters: Kanotra SP, Propst EJ, Campisi P, Forte V. 2012 October.

Quantitative Assessment of Pulmonary Aspiration: A novel porcine model. American Academy of Otolaryngology Head and Neck Surgery. Washington, DC. Presenters: Kanotra SP, Propst EJ, Campisi P, Forte V. 2012 September.

Podium Presentation: Preliminary Validation of a Novel Scale for the Objective Evaluation of Linear Scars. Annual Meeting of the American Academy of Facial Plastic & Reconstructive Surgery. Washington DC. Presenter: Brandt MG. 2012 September.

NATIONAL

The HVSI STUDY: High Volume Saline Irrigation in the Early Post-Operative Management of Chronic Rhinosinusitis. A multicenter randomized single-blind controlled trial. 67th Annual Meeting of the Canadian Society of Otolaryngology-Head & Neck Surgery. Banff, AB. Presenters: Macdonald K. Authors: Macdonald K, Witterick IJ, Rotenberg B, Rudmik L. (Trainee Presentation). 2013 June.

Corrosion Casting of the Subglottis Following Endotracheal Tube Intubation Injury: A pilot study in Yorkshire piglets. 67th Annual Meeting of the Canadian Society of Otolaryngology. Banff, AB. Presenters: Kus L, Sklar M, Neghandi J, Estrada M, Eskander A, Harrison RV, Campisi P, Forte V, Propst EJ. (Trainee Presentation). 2013 June.

Early Post-Operative Topical Corticosteroids in Chronic Rhinosinusitis with Nasal Polyps (CRSwNP): A Systematic Review and Meta-Analysis. Canadian Society of Otolaryngology-Head & Neck Surgery Annual Meeting. Banff, AB. Presenters: Fandino M, Macdonald K, Lee J, Witterick IJ. 2013 June.

Cochleovestibular Anomalies in Children with Cochlear Nerve Canal Stenosis. 67th Annual Meeting of the Canadian Society of Otolaryngology. Banff, AB. Presenters: Vilchez L, Blaser S, Cushing SL, Gordon KA, Papsin BC, Propst EJ. (Trainee Presentation). 2013 June.



Scanning Electron microscopy of Corrosion Casts of the Subglottis Following Ischemia Due to Endotracheal Tube Injury: A pilot study. Canadian Society of Otolaryngology-Head and Neck Surgery Poliquin Resident Research Competition. Banff, AB. Presenters: Kus L, Sklar M, Harrison RV, Forte V, Campisi P, Propst EJ. 2013 June.

Outcome Predictors in Squamous Cell Carcinoma of the Maxillary Alveolus and Hard Palate. Canadian Society of Otolaryngology-Head & Neck Surgery 67th Annual Meeting. Banff, AB. Presenter: Goldstein D. 2013 June.

How Long is Too Long? Patients opinion and satisfaction with their wait for thyroid surgery. Canadian Society of Otolaryngology-Head & Neck Surgery 67th Annual Meeting. Banff, AB. Presenter: Goldstein D. 2013 June.

Factors Associated with the Length of the Peri-Diagnostic Encounter Leading to an Oral Cavity Cancer Diagnosis. Canadian Society for Epidemiology and Biostatistics. St. John's, Newfoundland and Labrador. Presenters: Groome P, Whitehead M, Irish JC, Grunfeld E, Moineedin R. 2013 June.

The Initial Peri-Diagnostic Encounter Leading to a Cancer Diagnosis: Development of an Administration Data Based Approach to Its Identification. Canadian Society for Epidemiology and Biostatistics. St. John's, Newfoundland and Labrador. Presenters: Groome P, Whitehead M, Irish JC, Grunfeld E, Moineedin R. 2013 June.

Can we Restore Binaural Hearing to Children with Bilateral Cochlear Implants by Removing the First Implant? Society of Ears Nose Throat Advances in Children. Charleston NC. Presenters: Abbasalipour P, Cushing SE, Papsin BC, Gordon KA. 2012 November.

Cochlear Implantation in Children with Asymmetric Hearing Loss. Society of Ears Nose Throat Advances in Children. Charleston, NC. Presenters: Gordon KA, Polonenko M, Papsin BC. 2012 November.

Skill Maintenance of Dysphagia Screening on the TOR-BSST®: A Randomized Controlled Trial. Canadian Stroke Congress. Calgary, AB. Presenter(s): Martino R, Breadner B, Wellman L, Kamitomo G, Mitchell A, O'Connor L, Churchward K, Durkin L, Powell-Vinden B, Diamant N. 2012 September.

PROVINCIAL/LOCAL

The Sense of Burden on Others as Experienced by Western-Born Caucasians and Asian-Born Chinese Immigrants with Head and Neck Cancer. Canadian Association of Psychosocial Oncology. Ottawa, ON. Presenters: Payne A, Hynie M, Cheng T, Irish J, Mah K, Lee RNF, Lebel S, Rodin G, Devins GM. 2013 April.

Outcome of IMRT for Hypopharyngeal Cancer Compared to Conventional Radiotherapy. Canadian Association of Radiation Oncology (CARO) 26th Annual Meeting. Ottawa, ON. Presenters: Gauthier I. Authors: Gauthier I, Mok G, Jiang H, Huang SH, Chan K, Witterick I, O'Sullivan B, Waldron J, Bayley AJ, Cho J, Cummings B, Dawson LA, Hope A, Kim J, Ringash J. 2012 September.

The Characteristics of Cervical Lymph Node Resolution Following Primary Radiotherapy +/-Chemotherapy for N2-N3 Head and Neck Cancer. Canadian Association of Radiation Oncology (CARO) 26th Annual Meeting. Ottawa, ON. Presenters: Huang SH, O'Sullivan B, Xu W, Zhao H, Chen D, Chan K, Hope A, Kim J, Ringash J, Dawson LA, Bayley A, Cho J, Goldstein D, Gilbert R, Waldron J. 2012 September.

Radiotherapy as Single-Modality Treatment for Head and Neck Paragangliomas: Twenty-Two Year Results from a Single Center. 8th International Conference on Head and Neck Cancer. Toronto, ON. Presenters: Rich JT, Otto KJ, Franklin JH, Goldstein DP, Yu E, Bartlett E, Cummings BJ, Gullane PJ. 2012 July.

Mobile Handheld Augmented Reality Prototype for Image-Guided Head and Neck Surgery: Pre-Clinical Pilot Study for Metabolic and Anatomical Imaging Overlay. 8th International Conference on Head and Neck Cancer. Toronto, ON. Presenters: Haerle SK, Chan H, Daly MJ, Cachia MA, Zheng J, Gilbert RW, Goldstein DP, Irish JC. 2012 July.

Diagnostic Accuracy of Cone Beam Computed Tomography in Detecting Mandibular Bone Invasion in Oral Cavity Squamous Cell Carcinoma. 8th International Conference on Head and Neck Cancer. Toronto, ON. Presenters: Bissada E, Goldstein D, Brown D, Gilbert R, Gullane P, Wood R, Bartlett E, Irish JC. 2012 July.

Complications in Head and Neck Surgery: A Novel Method for Collecting and Grading Surgical Complications. 8th International Conference on Head and Neck Cancer. Toronto, ON. Presenters: Monteiro EA, Goldstein D. 2012 July.

The Princess Margaret Hospital Experience for Treating Oral Tongue Cancer 1994-2008. 8th International Conference on Head and Neck Cancer, Toronto, ON. Presenters: Haerle SK, Irish JC, Arruda E, Gullane PJ, Gilbert RW, Brown D, O'Sullivan B, Perez-Ordóñez B, Weinreb I, Goldstein DP. 2012 July.

A Significant Overexpression of the Merkel Cell Polyomavirus (MCPYV) Large T-Antigen in Merkel Cell Carcinoma. 8th International Conference on Head and Neck Cancer. Toronto, ON. Presenters: Erovic BM, Al Habbab A, Harris L, Goldstein DP, Ghazarian D, Irish JC. 2012 July.

Salvage Surgery for Squamous Cell Carcinoma of the Oropharynx. 8th International Conference on Head and Neck Cancer. Toronto, ON. Presenters: Cohen MA, Dixon BJ, Monteiro E, Gilbert RW, Gullane PJ, Brown DH, Irish JC, Higgins KM, Enepekides DJ, Goldstein DP. 2012 July.

Localized Intraoperative Virtual Endoscopy (LIVE) in Sinus and Skull Base Patients. 8th International Conference on Head and Neck Cancer. Toronto, ON. Presenters: Haerle SK, Daly MJ, Chan H, Vescan A, Witterick I, Dixon B, Irish JC. 2012 July.

Patient and Social Network Related Diagnostic Delay in Head and Neck Cancer. 8th International Conference on Head and Neck Cancer. Toronto, ON. Presenters: Queenan JA, Gottlieb BH, Hall SF, Irish JC, Groome PA. 2012 July.

Preoperative Mandibular Plate Adaptation. 8th International Conference on Head and Neck Cancer. Toronto, ON. Presenters: Prisman E, Chan H, Daly M, Dalgorf D, Haerle S, Miles BA, Irish JC. 2012 July.

Developing a Surgeon-Computer Interface for Real-Time Image Guidance: Strategies to Enhance Orientation and Reduce Distraction. 8th International Conference on Head and Neck Cancer. Toronto, ON. Presenters: Dixon B, Daly M, Chan H, Vescan A, Witterick I, Irish JC. 2012 July.

Cognitive Screening and Co-Morbidity Assessment in Patients Treated for Head and Neck Cancer. American Head and Neck Society Annual Meeting. Toronto, ON. Presenters: Martino R, Siddiq I, Bernstein L, Razak A. 2012 July.

Temporoparietal Fascia Free Flap for Pharyngeal Coverage after Salvage Total Laryngectomy and Volumetric Changes of the Anterolateral Thigh Free Flap Following Adjuvant Radiotherapy in Total Parotidectomy Reconstruction and Predictors of Complications of Free Flap Reconstruction in Head and Neck Surgery: Analysis of 304 Free Flap Reconstruction Procedures. 8th International Conference on Head and Neck Cancer 2012. Toronto, ON. Higgins K. 2012 July.

Media Presentation

Vescan, Allan. Invited Speaker. Balloon Sinuplasty. Interviewer: Pauline Chan. CTV News at Six- Life Time Segment. CTV. Toronto, ON. Presenter(s): Allan Vescan. CTV Toronto, Lifetime: Breakthrough in Sinus Surgery.

Proceedings of Conferences

Abel SM, Ho G, Nakashima A, Smith I. Supplemental Text Messaging for the Resolution of Auditory Overload. Proc. of 21st International Congress on Acoustics (ICA 2013). Montreal, QC. 2013.

Cancelliere L, Chiodo A, Karavattathayil S. Leiomyoma of the nasal septum: a rare cause of obstruction. Canadian Society of Otolaryngology-Head & Neck Surgery Meeting, Journal of Otolaryngology-Head & Neck Surgery. 2012.

LeNobel GJ, Papsin BC, Cushing SL. Vestibular Ototoxicity: An Under-Recognized Entity in the Pediatric Population. Proceedings of the Society for Ear Nose and Throat Advancements in Children. Charleston, SC. 2012 December.

Osborn H, Cushing SL, Gordon KA, James AL, Papsin BC. Complications of Acute Otitis Media in Children with Cochlear Implants: Saving the Device. Proceedings of the Society for Ear Nose and Throat Advancements in Children. Charleston, SC. 2012 November.

Papsin BC, Osborn H, James AL, Gordon KA, Cushing SL. Management of Mastoiditis in Children Following Cochlear Implants: A Device Preserving Algorithm. Proceedings of the European Symposium on Pediatric Cochlear Implantation. Istanbul, Turkey. 2013 May.

Wolter NE, Holler T, Cushing SL, Chadha NK, Zener R, Gordon KA, Papsin BC. Kurz Titanium Ossiculoplasty in Paediatric Ossicular Reconstruction. Proceedings of the Society for Ear Nose and Throat Advancements in Children. Charleston, SC. 2012 November.

No activity was available for Drs. J. Anderson, J. Chapnik, J. Davidson, R. Fenton, V. Forte, A. James or M. Zirkle.



Former Head & Neck Fellows of the Department at the 8th International Conference on Head & Neck Cancer held in Toronto July 2012 (Program Chair: Dr. Jon Irish)



New plaque for Educators of the Year which will feature the photograph of the annual award recipient.



The new Boardroom at the University office of the Department of Otolaryngology-Head & Neck Surgery

**Department of
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