OTOLARYNGOLOGY - HEAD & NECK SURGERY

ANNUAL REPORT 20172018

Otolaryngology - Head & Neck Surgery
UNIVERSITY OF TORONTO
Leading Innovation. Achieving Impact

Edited By:
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Department of Otolaryngology–Head & Neck Surgery

Professor and Chair	Dr. Ian J. Witterick
Vice-Chair Education & Director of Postgraduate Education	Dr. Paolo Campisi
Director of Undergraduate Medical Education	Dr. Allan Vescan
Assistant Director, Pre-Clerkship	Dr. Brad Hubbard
Assistant Director, Post Clerkship	Dr. John Lee
Director of Continuing Professional Development & Liaison Community Academic Faculty	Dr. Yvonne Chan
Vice-Chair Research	Dr. Robert V. Harrison

Otolaryngologists-in-Chief

Hospital for Sick Children	Dr. Blake Papsin
Michael Garron Hospital	Dr. Al Chiodo
North York General Hospital	Dr. Everton Gooden
Sinai Health System	Dr. Ian J. Witterick
St. Joseph's Health Centre	Dr. Rick Fox
St. Michael's Hospital	Dr. Jennifer Anderson
Sunnybrook Health Sciences Centre	Dr. Danny Enepekides
Trillium Health Partners	Dr. Yvonne Chan
University Health Network	Dr. Ralph Gilbert

Division Heads

Audiology	Ms. Vicky Papaioannou
Facial Plastic and Reconstructive Surgery	Dr. Peter Adamson
Head and Neck Oncology and Reconstructive Surgery	Dr. Ralph Gilbert/Jon Irish
Rhinology	Dr. John Lee

Committee Chair Holders

Executive	Dr. Ian J. Witterick
Undergraduate	Dr. Allan Vescan
Residency Program	Dr. Paolo Campisi
Continuing Professional Development	Dr. Yvonne Chan
Research	Dr. Robert V. Harrison
Department Appointments	Dr. Kevin Higgins
Department Promotions	Dr. Robert V. Harrison
Budget Advisory	Dr. Ian J. Witterick
Community Academic Faculty	Dr. Yvonne Chan
Advancement	Dr. Patrick J. Gullane
Quality and Safety	Dr. Danny Enepekides

Vision, Mission and Values

Vision

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

Mission

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

Values

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

Organizational Structure

DEAN
Faculty of Medicine

CHAIR
Otolaryngology-HNS

DIVISIONS

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

COMMITTEES

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

HOSPITAL CHIEFS

- Hospital for Sick Children
- Michael Garron Hospital
- North York General
- Sinai Health System
- St. Joseph's Health Centre
- St. Michael's Hospital
- Sunnybrook Health Sciences Centre
- Trillium Health Partners
- University Health Network

Chair's Report

Dr. Ian J. Witterick

The Department of Otolaryngology-Head & Neck Surgery at the University of Toronto had another very productive year. I am indebted to so many in the department who freely give of their time and energy to make our department so much stronger than the sum of its parts. As described by one of our faculty members, it is an army of the willing.

The University of Toronto again affirmed its calibre as a stellar research institution across a wide range of disciplines placing first among all public universities in the world in the 2017 National Taiwan University (NTU) Ranking. In medicine, we continue to rank first in Canada and very highly in all ranking systems.

The entire report details activities of our department over the 2017-2018 academic year. The following is a summary of some of the highlights, achievements and milestones that have occurred. I very much hope you enjoy reading it.

National and International Leadership

As a department this year, I believe we have made significant and unprecedented contributions in leadership at the provincial, national and international levels.

Internationally, Dr. Jon Irish was President of the American Head & Neck Society (AHNS) culminating in a most successful annual meeting at the Gaylord National Resort and Convention Center in National Harbor, Maryland. Dr. Danny Enepekides was Program Co-Chair for this excellent meeting. I was President of the North American Skull Base Society (NASBS) which concluded with the annual meeting in Coronado, California. We had the highest attendance ever for an annual meeting and 120 new members. New education programs and forums were created at the meeting which I believe were very successful. Dr. Peter Adamson continues as President of the International Board for Certification in Facial Plastic and Reconstructive Surgery and Dr. Ralph Gilbert is President of the International Academy of Oral Oncology (IAOO) and will preside over their 7th World Congress in Rome in September 2019. Dr. David Pothier was President of the International Working Group on Endoscopic Ear Surgery (IWGESS) and Dr. Blake Papsin is the current President of the American Society of Pediatric Otolaryngology (ASPO).

Nationally, at the Canadian Society of Otolaryngology-Head & Neck Surgery (CSO-HNS), Dr. Vincent Lin was elected as the new Scientific Program Chair for the annual meetings and leads the Choosing Wisely initiative. Dr. Yvonne Chan was elected as Chair of the Continuing Professional Development/Continuing Medical Education Committee and was re-elected for another three year term as Chair of the Physician Resources Committee. She is also Co-Chair of the Rhinology Interest Group. Dr. Doug Chepeha continues in his role as Co-editor-in-Chief for the *Journal of Otolaryngology-Head & Neck Surgery*. Drs. Michael Brandt and Vincent Lin are the Ontario Regional Representatives. We started the Quality and Safety Interest Group which held its second meeting this year in Quebec City. I chair the Canadian Otolaryngology Chairs Committee (COACH) and was elected as First Vice-President.

At the Canadian Academy of Facial Plastic and Reconstructive Surgery, Dr. Andres Gantous continues as treasurer and as a representative to the American Academy of Facial Plastic and Reconstructive Surgery and to the International Academy of Facial Plastic and Reconstructive Surgery.

Provincially, at the Ontario Medical Association, Dr. Vincent Lin was elected as the new Chair of the Section on Otolaryngology-Head & Neck Surgery and Dr. Yvonne Chan was elected as the Tariff Chair. Dr. Jon Irish continues as the Provincial Head, Surgical Oncology Program for Cancer Care Ontario, Dr. Danny Enepekides continues as Chief of Surgical Oncology at the Odette Cancer Centre and Dr. Joe Chen continues as the Program Coordinator for the Ontario Cochlear Implant Group and as Clinical Lead for Health Technology Assessment for the Ministry of Health funding in expanded indications for cochlear implantation.

These are some of the highlights but there are a significant number of other leadership activities which our faculty are engaged in as detailed in this annual report.

Changes in Leadership

Dr. Danny Enepekides took over as Chief of the Department at Sunnybrook Health Sciences Centre. We had a celebration for the remarkably successful ten-year term of Dr. Joe Chen as Chief on September 7, 2017. I want to thank Dr. Enepekides who has seamlessly stepped into this role.

Dr. Yvonne Chan took over as Chief of the Division of Otolaryngology-Head & Neck Surgery from Dr. Lorne Segall in December 2017 at Trillium Health Partners. She continues on as Head of Continuing Professional Development (CPD) and our Community Academic Faculty. Dr. Chan's passion for education and leadership is so evident and she puts a tremendous amount of time and effort into making our department run so well.

There were two changes in division heads. Dr. Jon Irish was appointed as the new Head of the Division of Head & Neck Oncology and Reconstructive Surgery after Dr. Ralph Gilbert completed his ten-year term. Dr. Andres Gantous was appointed as Head of the Division of Facial Plastic and Reconstructive Surgery effective July 1, 2018 after Dr. Peter Adamson completed his term. I want to sincerely thank both Drs. Gilbert and Adamson for their significant efforts, time and leadership skills in advancing both of these divisions. Dr. Irish has already initiated strategic planning and made new inroads in his division and I look forward to working with Dr. Gantous in his new role as division head.

New Faculty

I want to welcome and thank all of our new faculty this year for the help and dedication to our department. New full-time faculty this year are Dr. Tony Eskander (Head and Neck Oncology/Microvascular Reconstruction/Endocrine at Sunnybrook and Michael Garron), Dr. Jun Lin (Laryngology at St. Michael's Hospital) and Dr. Nik Wolter (Pediatrics at SickKids). New adjunct faculty are Drs. Jerry Naiberg, Modupe (Dupe) Oyewumi, Tulika Shinghal and Mr. Ian Syrett (Division of Audiology).

On May 1, 2018 Dr. Eric Monteiro was successful in his 3-year review and was approved for a continuing faculty appointment.

Transitioning Faculty

Dr. Jean Davidson spent the last academic year at St. Michael's Hospital and is retiring from practice. Dr. Peter Adamson is transitioning from surgical practice to focus on developing his Face the Future™ Foundation and leading more humanitarian missions. Dr. Arnold Noyek retired from Baycrest after 51 years of dedicated service. We wish everyone success with their future endeavours!

Promotions

A celebration was held on November 13, 2017 for the promotions which became effective on July 1, 2017. These were Drs. Sharon Cushing (Associate Professor), Evan Propst (Associate Professor) and Dr. Adrian James (Full Professor). Congratulations to the three faculty members from SickKids! Congratulations are also in order for the promotions to Associate Professor for Ms. Vicky Papaioannou and Dr. Molly Zirkle which will take effect on July 1, 2018. Congratulations as well to Dr. Jack Shahin, a member of our Community Academic Faculty who was promoted to Assistant Professor.

I would like to thank our Promotions Committee, chaired by Dr. Robert Harrison for the time and dedication they put into this important task. I would also like to thank Dr. Karen Gordon who has completed her term on the Decanal Promotions Committee and to Dr. Alain Dabdoub who has agreed to take over this role for our department.

Passings

Technically this is the annual report until June 30, 2018 but given that I am writing this Chair's report after the passing of two of our colleagues in July 2018, I want to acknowledge their deaths and our sorrow.

On July 27, 2018 our dear friend and colleague, Dr. David Pothier passed away at the age of 44. He is survived by his wife Louise, and son James. He was recruited to join the staff at the University Health Network and the University of Toronto Department of Otolaryngology-Head & Neck Surgery in July 2013. David's contributions to our specialty and the patients it serves were remarkable. He was a pioneer in endoscopic ear surgery, developing surgical approaches and technologies to reduce morbidity and improve outcomes for patients with middle ear disease. He was invited all around the globe to teach others this new approach and as mentioned above, was the President of the IWGESS. He was also a lateral thinker and developed new concepts and approaches to the management and understanding of vestibular disorders. David was a wonderful colleague, a passionate teacher, a patient-focused clinician and caring friend. His passing at such a young age is devastating to our department, its staff and the patients he served. In honour of his remarkable contributions, the Department of Otolaryngology-Head & Neck Surgery at UHN will be endowing a lectureship at the University of Toronto. The De Gasperis Atrium at Toronto General was standing room only on August 1, 2018 for the Celebration of Life for David which can be viewed at:
https://www.youtube.com/watch?feature=youtu.be&v=Nid6DfXEeyU&app=desktop

On July 28 2018, one of our cross-appointed faculty, Dr. Paul Walfish passed away. He made historic clinical and research contributions to the field of thyroid disease and thyroid cancer, and trained several generations of endocrinologists in Toronto and fellows from around the world. He had an international reputation and a dedicated following of patients who held his opinion in the highest of esteem. He was named to the Order of Canada in 1990 for his contributions to medicine. In 2007, he received the Order of Ontario for establishing a newborn screening program to detect congenital hypothyroidism in infants. Dr. Walfish established a basic science lab at Sinai Health System (SHS) and was a great collaborator in clinical care and research with our department at SHS. As his health began to fail, Dr. Walfish retired from active practice but remained keenly interested in seeing that his legacy in thyroid research continued. He will be sadly missed by his family, friends, colleagues and the endocrine oncology community.

Education

Undergraduate Medical Education (UME)

In UME, Dr. Vescan as Director and Drs. Lee and Hubbard as Assistant Directors are doing a great job making the transition from the "old" to the "new" curriculum. You will see a change in the acronyms and teaching

sessions but I am so proud of our directors and faculty for the time and effort that they have put into UME. It really shows with the significant improvement in teaching evaluation scores and the renewed and ever increasing interest by medical students in our specialty. Our community academic faculty have again been fantastic teachers with 3rd year clerks.

There are many new changes in UME including virtual clinics focused on case presentations, online modules, self-directed learning, interactive cases and formative assessment tools. In addition, the Longitudinal Integrated Clerkship (LInC) stream will no longer be offered after much deliberation. Many of the positives from this style of clerkship will be incorporated into a redesign of clerkship that is planned for rollout in 2020.

Postgraduate Medical Education (PGME)

Dr. Paolo Campisi as Director of PGME and Vice-Chair Education continues to do a stellar job in running PGME. He has really put us on sound footing with the significant changes in residency training with the Royal College's introduction of Competence by Design. The Residency Program Committee is dedicated and highly functional and our residents and fellows are superb. Our residents consistently win teaching and research awards and are a motivated group. Fellows from around the globe come for additional training and leave Toronto (I hope) with new knowledge and a sense of belonging or being part of our department.

The Campisis held another wonderful *Welcome Barbecue* at their home in July 2017 with a Western theme. We welcomed five new PGY1s on July 1, 2017 – Drs. Justin Cottrell, Terence Fu, Daniel Lee, Shireen Samargandy and Neil Verma.

The annual golf day was held August 13, 2017 at Lionhead Golf Club in Mississauga with a great turnout. The residents held a holiday party on December 8, 2017 and a party for "Kids in Otolaryngology" on December 17, 2017. The Annual Resident Retreat took place on June 8, 2018 focusing on teaching, setting up a practice, life after residency and they also heard about head and neck cancer survivorship after treatment.

A fond farewell to our graduating residents and fellows; a celebration in their honour was held on June 21, 2018 with colleagues, friends and family at Hart House. In addition, celebration dinners were held for the PGY5s on June 13, 2018 and the head & neck fellows on June 21, 2018. A link to the 2017-18 postgraduate yearbook can be found here and special thanks to Dr. Weibo Hao for putting this together.

Thank you to Dr. Jonathan Yip for doing a great job as Chief Resident this year and congratulations to Dr. Yael Bensoussan who was elected by her peers to take on this important role as of May 2018.

In graduate education, Dr. Xiao Zhao completed his PhD in Dr. Fei-Fei Liu's lab, Dr. Peter Dixon is finishing the first year of his Master's degree in Clinical Epidemiology in the Clinician Investigator Program and Dr. Jennifer Siu will be leaving for Harvard in 2018-19 to pursue a Masters in Public Health.

Two new American Academy of Facial Plastic and Reconstructive Surgery Fellowships were approved in Toronto. The first is under the mentorship of Dr. Jamil Asaria and the second is under the mentorship of Dr. Oakley Smith. Fellows were recruited/matched into these fellowships. Dr. Peter Adamson has closed his fellowship following the completion of Dr. Eric Carniol's fellowship on June 30, 2018.

The leadership in organizing our Journal Clubs transitioned from Dr. Adrian James to Drs. John de Almeida and Eric Monteiro. The format changes and having the meetings at the homes of faculty and other interesting venues was viewed very positively.

The CaRMS selection process again went very smoothly and we had amazing medical students applying for residency positions. Welcome to the five incoming PGY1 residents on July 1, 2018 - Drs. Amr Hamour, John Lee, Vincent Wu, Weining Yang and Hedyeh Ziai.

Continuing Professional Development (CPD)

In CPD, Dr. Yvonne Chan and others helped in the organization of a large number of interesting continuing education courses including *What's New in Office-based Procedures in Oto-HNS* (September 23, 2017), *Otology Update* (November 10, 2017), *Current Topics in Thyroid Cancer Diagnosis and Management* (January 13, 2018), *Quality & Safety Primer for Otolaryngologists* (February 2, 2018), *Otolaryngology Update 2018* (February 3, 2018), *Lumps, Bumps and Looks in Head and Neck* (March 24, 2018), *Rhinology Update* (April 6-7, 2018) and the *Wharton/Elia Day* (June 15, 2018). In addition, we had a large number of visiting professors as detailed in the CPD report.

In addition to information provided above for our department's involvement with the AHNS, NASBS and IAOO meetings, Dr. Jeremy Freeman and I were on the Steering Committee for the *3rd World Congress on Thyroid Cancer* (WCTC3) in Boston July 27-30, 2017. WCTC3 was a great success with more than 1400 attendees from 72 countries. Educational videos from the congress can be accessed free of charge at the following link: https://thyroidworldcongress.com/videos-2017/. Furthermore, Dr. Patrick Gullane was a Course Director for the *Current Concepts in Head and Neck Oncology Course* held in New York October 28-29, 2017 in partnership with Memorial Sloan Kettering and MD Anderson Cancer Centers. The next Current Concepts meeting is being planned in Toronto November 17-18, 2018.

Faculty Development

On November 13, 2017 we collaborated with the Departments of Anesthesia and Surgery to host a half day of faculty development workshops. The keynote speaker was Dr. Jason Frank from the Royal College on Competence By Design. There was a wide range of interesting topics for faculty to attend including workshops on physician health and wellness, education, perioperative DNR, healthcare communication and social media, creating a culture of safety in the OR, financial planning and management, innovative job models and conflict resolution. We had good engagement by many in our faculty and held our own mini-retreat immediately afterwards. The next Faculty Development Day is planned for November 12, 2018.

Research

The Annual Research Evening was held on February 21, 2018 at the SickKids Research and Learning Tower and in my view, was a great success. The depth and breadth of research and the accompanying presentations were terrific.

Dr. Robert (Bob) Harrison as Vice-Chair Research is reinvigorating the research committee and reviewing our strategic plan, funding challenges, helping with grant writing support and discussing how knowledge is disseminated. There is an impressive array of peer-reviewed grants and publications, podium presentations and invited presentations detailed in this report. Notably, the GTx Program was the recipient of $7.5M 5-year Terry Fox New Frontiers Program Project Grant for their continued research and development of porphysome nanoparticles. The project leaders are Drs. Gang Zheng, Brian Wilson and Jon Irish.

The 27th Annual Percy Ireland Academic Day was held on Friday May 11, 2018 at the University of Toronto's Hart House. The Visiting Professor was Dr. Rodney Schlosser from the Medical University of South Carolina and the Guest of Honour was Dr. Alma Smitheringale. Details of the presentations and photos are included in this annual report. My thanks and congratulations to all of the residents, graduate students, fellows and faculty mentors who participated.

Congratulations to Dr. Josie Xu who was the recipient of one of the 2018 Research Awards at the Poliquin Resident's Research Competition this year in Quebec City for her paper titled "Effectiveness of discovery

learning using a mobile otoscopy simulator on knowledge acquisition and retention in medical students: A randomized control trial".

The Harry Barberian Research Fund supports the research activities of residents, fellows, graduate students and junior faculty in the Department of Otolaryngology-Head & Neck Surgery at the University of Toronto. This fund is supported by the Harry Barberian Memorial Dinner, held in May annually to honour the memory of Mr. Harry Barberian, founder of Barberian's Steak House and is held through the generosity of the Barberian Family. This year, more than $100,000 was awarded to 15 research projects. Thank you to the awards committee comprised of Drs. Paolo Campisi, Jeremy Freeman and Bob Harrison.

Alumni

We had several alumni receptions this year including the *World Congress on Thyroid Cancer* in Boston, MA on July 29, 2017 and at the *Annual Meeting of the American Academy of Otolaryngology-Head and Neck Surgery* in Chicago, IL on September 10, 2017. On February 2, 2018, the *Annual Alumni & Friends Dinner* was held at Hart House honouring the Class of 1992. Entertainment was provided by *The Sentimentalists* comprising Mysterion - magician and psychological entertainer - and his assistant who amazed and befuddled the audience.

The *Percy Ireland Dinner* was held on May 10, 2018 at the Intercontinental Hotel with over 130 in attendance. This was another great venue to meet colleagues, friends and alumni in a social atmosphere. As usual, the presentation by the PGY5s was "enlightening". The alumni reception at the CSO-HNS meeting in Quebec City on June 18, 2018 at Brasseurs Grande Alle was well attended and it was wonderful to see so many alumni, friends and colleagues (we now have over 850 alumni!).

Awards

Details of awards received by members of our department are included in this report. I would like to highlight four faculty.

Dr. John Lee was the recipient of the 2018 Professional Association of Residents of Ontario (PARO) *Excellence in Clinical Teaching Award*. This award publicly acknowledges the essential role that good clinical teachers play in the training of new physicians. Characteristics which the recipient must possess include "a passion for teaching, proficiency in delivering clear and relevant information, ability to relate to and appreciate patient needs, being a positive role model, encouragement of a team approach and more".

Dr. Evan Propst was the recipient of the 2016-17 *Colin Woolf Award for Excellence in Course Coordination* for the 7th Toronto International Pediatric Endoscopic / 3rd Toronto International Pediatric Open Airway Courses and was recognized at the 15th Annual Education Achievement Celebration at the University of Toronto held on May 9, 2018.

The Michael Garron Hospital Family Medicine Residents selected Dr. Al Chiodo as the recipient of the 2017-18 *John H. Fowler Excellence in Teaching Award*. This award recognizes excellence in specialty teaching, and to promote those qualities that residents value in a community specialty physician.

In research, Dr. John de Almeida received the *Robert M. Byers Award* for the Best Clinical Research Paper at the 2018 Annual Meeting of the AHNS.

Advancement

The annual Joseph K. H. Wong/Smile China Lecture was given by Dr. Khaled Almilaji on January 12, 2018 titled "Syria: War and Health". Dr. Almilaji's remarkable tale was featured in *Toronto Life* and can be accessed at: https://torontolife.com/city/life/six-months-stuck-turkey-5000-miles-away-pregnant-wife/.

Special thanks to the philanthropy of Dr. Raymond Ng and Wendy Chu who donated $1.5 million to our department. The majority of the gift ($1.4 M) will support research in our department, particularly research that has the potential for commercialization. The remaining $100,000 was matched by the university and will be added as an endowment to the existing Raymond H. W. Ng PhD Scholarship. I am indebted to Raymond and Wendy for their vision and support of our research programs and our department.

As mentioned in Research above, the Barberian Fund continues to be a major source of research funding for many in our department. The 6th Annual Harry Barberian Memorial Dinner was held May 7, 2018 at the Barberian's Steak House. The restaurant was sold out and those in attendance had a gastronomic feast, especially wine aficionados. The event is rather unique in that the Sinai Health System Foundation helps in the organization of the event and the proceeds go to help funding in our department at the University of Toronto.

Administration

I would like to formally acknowledge Ms. Andrea Donovan, our new Education Co-ordinator. Andrea is doing a terrific job managing this portfolio and working closely with Drs. Campisi and Vescan. Ms. Sonia Valente, Executive Assistant and Ms. Audrea Martin, Business Officer support our department in more ways than you can imagine. I am very appreciative of their help and hard work.

Summary

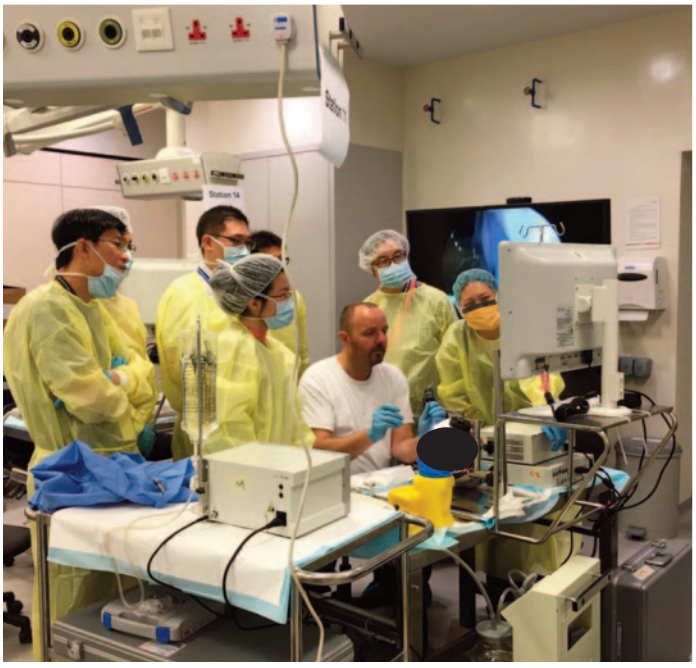
In summary, we had another fantastic academic year. There was significant leadership within and outside of the department, excellent new faculty, a healthy and robust promotions process, innovative educational initiatives and many interesting and varied research projects. Our department is healthy.

Thank you to all of our residents, fellows, faculty and administrative staff for supporting our department and making it one of the best.

Respectfully submitted,

Ian Witterick MD

Professor David Pothier



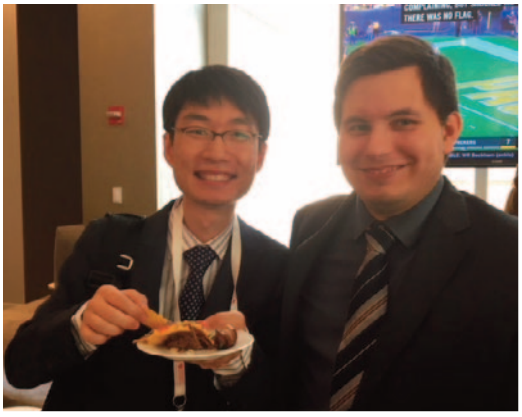
EUFOS
2003
vienna

Alumni and Friends Events

The Annual Alumni dinner was held on February 2, 2018 @ University of Toronto's Hart House

A reception was held on July 29, 2017 @ the World Congress on Thyroid Cancer in Boston, MA

A reception was held on September 10, 2017 @ the Annual Meeting of the AAO-HNS in Chicago, IL



A reception was held on June 18, 2018 @ the Annual Meeting of the CSO-HNS in Quebec, QC

Dr. Kevin
Higgins

Dr. Yael
Benzaquen

Faculty

Faculty Members

Newest appointments denoted with an asterisk (*)

Professor and Chair

I.J. Witterick, MD, MSc, FRCSC

Professores Emeriti:

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

Professors:

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

Associate Professors:

J. Anderson, MD, MSc, FRCSC
J.S. Chapnik, MD, FRCSC
A. Chiodo, MD, FRCSC
K. Conrad, MD, FRCSC, FRCS
S. Cushing, MD, MSc, FRCSC
A. Dabdoub, PhD
M.J. Davidson, MD, MSc, FRCSC
D. Enepekides, MD, MPH, FRCSC
R.S. Fenton, MB, FRCSC, FACS
A.M. Gantous, MD, FRCSC
D. Goldstein, MD, MSc, FRCSC
K. Higgins, MD, MSc, FRCSC
V. Lin, MD, FRCSC
E.J. Propst, MD, MSc, FRCSC

Assistant Professors:

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

Lecturers:

J. Adamonis, MClSc
H. Ainlay, BSc, MSc
A. Alexander, MD, BSc, FRCSC
J. Asaria, MD, BSc, FRCSC

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

Cross-Appointed Faculty

Professor Emeriti

H. Kunov, PhD, Biomedical Engineering

Professors:

S. Blaser, MD, FRCSC, Medical Imaging
G. Bradley, DDS, MSc, Faculty of Dentistry
B.J. Cummings, MB, FRCPC, Radiation Oncology
F. Gentili, MD, FRCSC, FACS, Surgery
S. Kamel-Reid, BA, MA, PhD, FACMG, Laboratory Medicine & Pathobiology
F-F. Liu, MD, FRCPC, Radiation Oncology
R. Martino, MSc, MA, PhD, Speech Language Pathology
B. O'Sullivan, MB Bch BAO, FRCPC, Radiation Oncology
J. Ringash, MD, MSc, FRCPC, Radiation Oncology
L.E. Rotstein, MD, FRCSC, Surgery
A.M-F. Wong, MD, PhD, FRCSC, FAAO, Ophthalmology & Vision Sciences
N. Zamel, MD, FRCPC, Medicine

Associate Professors:

E. Kassel, DDS, MD, FRCPC, Medical Imaging
J. Lazor, RPh, BScPhm, MScPhm, EdD, FRSHP, Dept of Family & Community Medicine
B. Perez-Ordoñez, MD, FRCPC, Laboratory Medicine & Pathobiology
S. Symons, BASc, MPH, MD, FRCPC, Medical Imaging
J. Waldron, MD, MSc, FRCPC, Radiation Oncology
E. Yu, MD, RCPSC, ABR, Medical Imaging
G. Zadeh, MD, PhD, FRCSC, Surgery

Assistant Professors:

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

Lecturers:

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

Administrative Staff:

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

Honours and Awards

CAMPISI, P

2018 Department of Otolaryngology – Head & Neck Surgery Resident Advocate Award.

CHAN, Y

2018 Faculty Teacher of the Year. Department of Otolaryngology-Head & Neck Surgery, University of Toronto.

CHIODO, A

2018 The John Fowler Award for Excellence in Teaching. Highest honour for teaching at the Michael Garron Hospital.

DE ALMEIDA, J

2018 Robert M. Byers Award – Best clinical research paper, AHNS 2018 Annual Meeting – Combined Otolaryngology Spring Meetings (COSM), National Harbor, Maryland, USA.
Paper Title: "Occult nodal disease and occult extranodal extension in oropharyngeal squamous cell carcinoma patients undergoing primary TORS with neck dissection".

2018 May Excellence in Teaching Award (Post-Graduate) - Wightman-Berris Academy, Faculty of Medicine, University of Toronto.

GILBERT, R

2018 Presidential Citation, The American Head & Neck Society, United States. (Distinction). In recognition of your contributions to Head and Neck Surgery and to Medicine.

GOLDSTEIN, D

2018 Honour Award, Canadian Society of Otolaryngology-Head & Neck Surgery (for contributions to CSO).

GULLANE, P

2018 Feb Honoured Guest. North American Skull Base Society.

2018 Apr Honoured Guest & Keynote Speaker. Gunnar Holmgren Lecture.
Swedish Society of Otorhinolaryngology-Head & Neck Surgery.

HARRISON, R

2018 Honourary Member (for life) of the Canadian Academy of Audiology (CAA).

2017 SENTAC (Society for Ear Nose and Throat Advances in Children) Robert Rubin, Scientific Achievement Award.

LAUGHLIN, S

2017 Cum Laude Award, 2017 RSNA 103rd Scientific Assembly and Annual Meeting. (Exhibit Award, Specialty: Primary Supervisor). Pediatric Brain Tumor Genetics: What the Radiologist Needs to Know.

LEE, J

2018 May PARO Excellence in Clinical Teaching Award, Professional Association of Residents of Ontario.

LIN, V

2017 Induction into the Triological Society (Thesis: The Development and Validation of a Cognitive Screening Test for the Severely Hearing Impaired).

2018 Induction into the American Otological Society.

LIU, F-F

2017 Basic/Translational Science Abstract Award, Sr. Investigator, 2017 Annual Meeting Abstract Award, American Society for Radiation Oncology (ASTRO).

2017 Elia Chair in Head & Neck Cancer Research (Re-appointment), University of Toronto & Princess Margaret Cancer Centre, Canada. Joint Research Chair.

PAPAIOANNOU, V

2018 Jan Volunteer Appreciation Certificate, Awards Committee, Speech-Language and Audiology Canada, Ottawa, ON. (Distinction).

PROPST, E

2018 Colin Woolf Award for Excellence in Course Coordination

WITTERICK, I

2018 Presidential Citation, The American Head & Neck Society, United States. (Distinction). In recognition of your contributions to Head and Neck Surgery and to Medicine.

2018 Twenty-Five Year Service Award, St. Joseph's Health Centre, Toronto.

ZADEH, G

2018 Mona Gauthier Award. Established in 2017 to honour the extraordinary passion and deep commitment to cancer research shown by the late Mona Gauthier during her career at Princess Margaret.

Leadership Activities

ADAMSON, P

American Academy of Facial Plastic and Reconstructive Surgery (AAFPRS)

2016 – present	Mentor for AAFPRS Practitioner's Program.
2015 – present	Senior Program Chairman, Advanced Rhinoplasty 2017, Chicago, IL.
2012 – present	Senior Advisor, Editorial Board JAMA Facial Plastic Surgery.
2007 – present	Member, Ethics Committee.
2002 – present	Member, Howard W. Smith M.D. Legacy Society.
1987 – present	Director, Fellowship Program.
1986 – present	Facial Plastic Surgery Resident Liaison (Liaison of AAFPRS with University of Toronto).

American Board of Facial Plastic and Reconstructive Surgery (ABFPRS)

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.
1996 – present	Trustee, Robert L. Simons Leadership Society.
1989 – present	Contributor of oral examination protocols.
1989 – present	Board Examiner (2 day annual examinations).

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

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

Face the Future™ Foundation

(Previously Canadian Foundation for Facial Plastic and Reconstructive Surgery)

1994 - present	President and Founder.
2017 Oct	Humanitarian mission (Pilot study) to Addis Ababa, Toronto Addis Ababa Academic Program (TAAAP), Addis Ababa University.
2018 Feb	Humanitarian mission (#6) to Rwanda Military Hospital, Kigali, Rwanda. Chef de Mission for team of 16. Demonstration surgery and clinical teaching.
2018 Mar	Humanitarian pilot mission to Santo Domingo, Dominican Republic.
2018 Apr	Humanitarian mission (#7) to Ulyanovsk Regional Pediatric Hospital, Ulyanovsk, Russia. Chef de Mission for team of 8. Demonstration surgery and clinical teaching.

American Academy of Otolaryngology - Head & Neck Surgery (AAO-HNS)

1995 – present	Manuscript Reviewer, Otolaryngology – Head and Neck Surgery.

Canadian Society of Otolaryngology - Head & Neck Surgery (CSO-HNS)

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

JAMA Facial Plastic Surgery

2014 – present	Member, International Advisory Board.

American Laryngological, Rhinological, and Otological Society, Inc.

1997 - present Manuscript Reviewer, The Laryngoscope.

Pan Asian Academy of Facial Plastic and Reconstructive Surgery

2011 – Present Advisor.

Facial Plastic Surgery Clinics Advisory Board

2011 – Present Advisor.

ANAND, S

2013 – present Co-Chair, Endocrine Multidisciplinary Cancer Conference, Scarborough and Rouge Hospital. Toronto, ON.

2013 – 2017 CME/CPD Director Surgical Grand Rounds, Department of Surgery – Scarborough General Hospital Site, Scarborough and Rouge Hospital. Toronto, ON.

BRANDT, M

2017-present Ontario Regional Delegate. Ontario Medical Association.

2016-present Ontario Regional Representative. Canadian Academy of Facial Plastic & Reconstructive Surgery.

2014-present Co-director; Resident Soft-Tissue Dissection Course. Division of Facial Plastic & Reconstructive Surgery.

2014-present Ontario Regional Representative – Community. Canadian Society of Otolaryngology – Head & Neck Surgery.

BROWN, D

Editorial Boards

2004 - present The Laryngoscope.

CAMPISI, P

Canadian Society of Otolaryngology - Head & Neck Surgery

2013-present Member, Fellowship Committee.

2012-present Chair, Pediatric Otolaryngology Study Group.

Royal College of Physicians and Surgeons of Canada

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

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

University of Toronto

2012-present Member, Foundations of Surgery Committee.

2012-present Otolaryngology Representative, Postgraduate Medical Education Advisory Committee.

2017-18 Chair, BPEA Usability Working Group.

Manuscript Reviewer

2010-present Journal of Pediatric Hematology and Oncology.

2009-present Pediatric Infectious Disease Journal.

2006-present JAMA Otolaryngology Head & Neck Surgery.
2005-present Journal of Otolaryngology - Head & Neck Surgery.
2005-present The Laryngoscope.
2004-present International Journal of Pediatric Otorhinolaryngology.
2004-present Paediatrics and Child Health.

CHAN, Y

2017 - present	Member, Quality & Safety Committee, Dept of Otolaryngology - Head & Neck Surgery.
2012 - present	Member, CE Directors and Leader Committee, Faculty of Medicine, Continuing Education.
2012 - present	Member, Continuing Professional Development Committee, Faculty of Medicine, Continuing Education.
2011 - present	Community Academic Faculty Liaison, Community Academic Faculty, Faculty of Medicine, Dept of Otolaryngology - Head & Neck Surgery.
2011 - present	Member, Executive Committee, Faculty of Medicine, Dept of Otolaryngology - Head & Neck Surgery.
2011 - 2018	Coordinator, Mississauga Academy of Medicine, Faculty of Medicine, Dept of Otolaryngology - Head & Neck Surgery, Undergraduate MD.
2009 - 2018	Site Representative, Otolaryngology Undergraduate Education Committee, Faculty of Medicine, Dept of Otolaryngology - Head & Neck Surgery, Undergraduate MD.

American Academy of Otolaryngology Head and Neck Surgery

2015 - present	Member, Rhinology and Allergy Education Committee.
2015 - present	Member, Rhinology and Paranasal Sinus Committee.

American Rhinologic Society

2015 - present	Member, Continuing Medical Education Committee.

Royal College of Physicians and Surgeons of Canada

2017 - present	Member, Regional Advisory Committee (RAC) 3.

Canadian Society of Otolaryngology-Head & Neck Surgery

2018 - present	Chair, Continuing Professional Development Committee Chair.
2017 - present	Co-Chair, Canadian Rhinology Working Group.
2016 - present	Member, Continuing Professional Development Committee.
2009 - present	Member, Rhinology Working Group.

Ontario Medical Association

2018 - present	Tariff Chair, Otolaryngology - Head & Neck Surgery Section.

Editor

2017 - present	Essential Otolaryngology - Head and Neck Surgery 12th Edition.
2015 - 2018	Rhinology and Allergy: A Clinical Reference Guide.

Associate Consulting Editor

2010 - present	Plural Publishing Inc.

Manuscript Reviewer

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

CHEN, J

2012 - present	Program Coordinator, Ontario Cochlear Implant Group (OCIG). Appointed by the Toronto Central LIHN, Ministry of Health-Long Term Care.
2016 - present	Clinical lead, Health Technology Assessment (HTA) for MOH funding in expanded indications for cochlear implantation. - Bilateral implantation in adults (completed June, 2018) - favourable recommendation posted at Health Quality Ontario-Ontario Health Technology Advisory Committee (HQO-OHTAC). - Single sided deafness & Conductive-Mixed hearing loss (ongoing-pending). - Auditory Brainstem Implant (ongoing-pending).

Manuscript Reviewer

2010 - present	Otology-Neurotology.
2009 - present	The Laryngoscope.
1995 - present	Journal of Otolaryngology-Head & Neck Surgery.

CHEPEHA, D

2017-present	Member, Promotions Committee (DPC), Department of Otolaryngology- Head & Neck Surgery, University of Toronto.
2017-present	Co-Lead, Education Committee, Division of Head & Neck, University of Toronto, Department of Otolaryngology- Head & Neck Surgery.
2017-present	Associate Member, Institute of Medical Science, University of Toronto.
2014-present	Member, Research Committee, Department of Otolaryngology- Head & Neck Surgery, University of Toronto.
2015-present	Member, Quality and Safety Committee, Department of Otolaryngology- Head & Neck Surgery, University of Toronto.
2015-present	Member, Executive Fellowship Committee, Division of Head and Neck, Department of Otolaryngology- Head & Neck Surgery, Toronto, University of Toronto.
2014-present	Member, Division of Head & Neck Oncology, University of Toronto, Department of Otolaryngology-Head & Neck Surgery.
2014-present	Member, Division of Head & Neck Facial Plastic and Reconstructive Surgery, University of Toronto, Department of Otolaryngology- Head & Neck Surgery.

NRG Oncology

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

TFRI COOLS Trial

2013 - present	Member, Scientific Advisory Committee, Terry Fox Research Institute, Vancouver, British Columbia, Canada.

Canadian Society of Otolaryngology - Head & Neck Surgery

2017 - present	Co-Editor in Chief, Journal of Otolaryngology – Head & Neck Surgery.
2016 - present	Member, Canadian Association of Head and Neck Surgical Oncology.
2016 - present	Member, Canadian Society of Otolaryngology Scientific Program Committee.

American Academy of Otolaryngology - Head and Neck Surgery

2015 - present	Member, Microvascular Committee.

Ohlson Research Initiative

2012 - present	External Scientific Advisory Board Member, Scientific Advisory Board, Ohlson Research Institute, University of Calgary.

University Health Network

2018 - present	Appointed, Affiliated Faculty at Techna.
2018 - present	Member, Electronic Health Record Clinical Advisory Committee.
2017 - present	Member, Cancer Informatics Oversight Committee.
2016 - present	Member, Team AIR (Automate, Integrate & Revamp).
2016 - present	Member, Princess Margaret (PM) Ambulatory Operations and Quality Committee.
2015 - present	Member, Interprofessional Model of Care Committee.
2015 - present	Member, Joe Finley Head and Neck Translational Program Committee.
2015 - present	Member, Tissue Committee, Faculty of Medicine, Head & Neck Translational Program.
2015 - present	Member, Head and Neck Survivorship Research Committee.

University of Toronto

2017 - present	Member, Promotions Committee (DPC), Department of Otolaryngology-Head & Neck Surgery.
2017 - present	Co-Lead, Education Committee, Division of Head and Neck, University of Toronto, Department of Otolaryngology-Head & Neck Surgery.
2017 - present	Associate Member, Institute of Medical Science.
2015 - present	Member, Quality and Safety Committee, Department of Otolaryngology-Head & Neck Surgery.
2015 - present	Member, Executive Fellowship Committee, Division of Head and Neck, Department of Otolaryngology- Head & Neck Surgery.
2014 - present	Member, Research Committee, Department of Otolaryngology-Head & Neck Surgery.

CHIODO, A

2016-present	Brown University Alumni, Area Chair (Ontario Region). Responsible for undergraduate interviewing program including interviewing students for the Program in Liberal Medical Education, Brown University School of Medicine.
2012-present	Medical Advisory Committee, Michael Garron Hospital.
2012-present	Credentials Committee, Michael Garron Hospital.
2012-present	Surgical Council, Michael Garron Hospital.

CUSHING, S

2010-present	Kids2Hear. School based hearing screening program. Faculty of Medicine, University of Toronto.

DABDOUB, A

2018 – present	Member, Diversity and Minority Affairs Committee, Association for Research in Otolaryngology.
2016 – 2017	Member, Faculty Mentorship Organizing Committee, Department of Laboratory Medicine and Pathobiology, University of Toronto.
2011 – present	Project Member, Hearing Restoration, Hearing Health Foundation, USA.

DAVIDS, T

2013-present	Division Chief, Department of Otolaryngology-Head & Neck Surgery, Southlake Regional Health Centre.

DE ALMEIDA, J

2018 - present	Member, Cancer Care Ontario – Quality based Program, HNK Cancer Surgery QBP Working Group, Toronto, ON.
2018 - present	Member, Cost, Quality and Outcomes Committee, University Health Network, Toronto, Canada.
2018 - present	Member, Head of Divisional Research, Division of Head and Neck Oncology and Reconstructive Surgery, University of Toronto, Toronto, Canada.
2017 - present	Member, Co-director, Journal Club, Department of Otolaryngology Head & Neck Surgery, University of Toronto.
2017 - present	Member, Skull Base Symposium Organizing Committee. University of Toronto Diagnostic Neuroradiology Fellowship Program.
2017 - present	Member, Collaborative Research Initiative, Canadian Society of Otolaryngology Head and Neck Surgery.
2017 - 2018	Member, Program Committee, American Head and Neck Society Annual Meeting, National Harbour, MD.
2015 - present	Member, Continuing Medical Education Compliance Committee, American Head and Neck Society.
2015 - present	Member, Research Committee, American Head and Neck Society.
2015 - present	Member, Value Based Care Committee, North American Skull Base Society.
2015 - present	Member, Cancer Care Ontario - Disease Pathway Management for Oropharynx Cancer.
2013 - present	Member, Post Graduate Committee (University Health Network Representative), Department of Otolaryngology - Head & Neck Surgery, University of Toronto.
2013 - present	Member, Robotics Committee, University Health Network.
2013 - present	Member, Director, Skull Base Tumour Board, Department of Otolaryngology-Head & Neck Surgery, University of Toronto.

Manuscript Reviewer

2018 - present	Journal of National Cancer Institute.
2016 - present	International Journal of Cancer.
2016 - present	Journal of Neurological Surgery Part B - Skull Base.
2016 - present	Journal of Otolaryngology - Head & Neck Surgery.
2014 - present	Annals of Otology, Laryngology, Rhinology.
2014 - present	Cancer
2012 - present	Head & Neck.
2009 - present	The Laryngoscope.

ENEPEKIDES, D

2018	Program Co-Chair, American Head and Neck Society Annual Meeting, Washington, DC.
2018-present	Co-Chair, Salivary Gland Section, American Head and Neck Society.
2017-present	Member, Ontario Skin Cancers Advisory Committee, CCO.
2014-present	Chief, Surgical Oncology. Odette Cancer Centre, SHSC.
2014-present	Regional Lead, Surgical Oncology, TCN, CCO.
2008-present	Member, Head and Neck Disease Site Group, CCO.
2008-present	Member, Advanced Training Council, American Head and Neck Society.

ESKANDER, A

2018 – present	Member, Odette Cancer Centre Palliative Care Advisory Committee.
2018 – present	Grant Reviewer - American Academy of Otolaryngology; Head and Neck Sub-Committee Centralized Otolaryngology Research Efforts (CORE).
2017 – present	Endocrine Surgery Committee - American Academy of Otolaryngology – Head & Neck Surgery.
2017 – present	Endocrine Committee (Research Sub-committee) - American Head and Neck Society.
2017 – present	Education Committee - American Head and Neck Society.
2017 – present	Program Committee for 2018 Meeting - American Head and Neck Society.
2016 – present	Editorial Board Member and Journal Reviewer Oral Oncology.

Journal Reviewer

2017 – present	Head & Neck – Endocrine Section.
2016 – present	Journal of Otolaryngology-Head & Neck Surgery (Head and Neck Oncology).
2016 – present	British Journal of Cancer.
2016 – present	PLoS One.

FALLS, C

2017- present	Member, Journal Club, Centre for Advanced Hearing & Balance Testing.
2015- present	Member, Clinical Learner Education Committee, UHN.
2015- present	Member, UHN Professional Advisory Committee (PAC).
2014- present	Member, Canadian Vestibular Best Practice Guidelines Committee.
2014- present	Member, National Vestibular Special Interest Group.
2014 - present	Co-Editor & Regular Contributor, Tech Reviews, ENT & Audiology News.

FERNANDES, V

2015-present	Reviewer, Head & Neck.

FOX, R

2016-present	Member, Division of Rhinology, Dept of Otolaryngology - Head & Neck Surgery, University of Toronto.
2009-present	Chief, Dept of Otolaryngology-Head & Neck Surgery, St. Joseph's Health Centre.
2009-present	Member, OR Committee, St. Joseph's Health Centre.

GANTOUS, A

2017-present	CAFPRS Representative International Board of Facial Plastic and Reconstructive Societies.
2014-2018	Canadian Regional Director – American Academy of Facial Plastic and Reconstructive Surgery.
2013-present	Treasurer, Canadian Academy of Facial Plastic and Reconstructive Surgery.

GEVORGYAN, A

2018 – present	Chief, Section of Otolaryngology, Department of Surgery, Lakeridge Health Corporation, Oshawa, ON.
2017 - present	Member, Executive Committee, Oshawa Clinic, Oshawa, ON.
2016 – present	Member, OR Utilization Committee, Lakeridge Health Corporation.
2015 – present	Member, Editorial Board. Rhinology.

GILBERT, R

University of Toronto

2003 - present	Member, Planning Committee, Annual Wharton/Elia Day, with the Sullivan Lecturer, Faculty of Medicine, Dept of Otolaryngology - Head & Neck Surgery.
2002 - present	Member, Budget Committee, Faculty of Medicine, Dept of Otolaryngology - Head & Neck Surgery.
2002 - present	Member, Departmental Advisory Committee, Faculty of Medicine, Dept of Otolaryngology - Head & Neck Surgery.
2002 - present	Member, Executive Committee, Faculty of Medicine, Dept of Otolaryngology - Head & Neck Surgery.
2007- 2017	Chair, Division of Head and Neck Surgery, Faculty of Medicine, Dept of Otolaryngology - Head & Neck Surgery.
2001- present	Member, Otolaryngology-Head and Neck Surgery/Plastics Business Unit Committee, Faculty of Medicine, Dept of Otolaryngology - Head & Neck Surgery.
2008- present	Member, Division of Facial Plastics and Reconstructive Surgery Committee, Faculty of Medicine, Dept of Otolaryngology - Head & Neck Surgery.

University Health Network

2009 - present	Member, Board of Trustees.

Princess Margaret Hospital

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

Cancer Care Ontario

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

Manuscript Reviewer

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

GOLDSTEIN, D

American Academy of Otolaryngology- Head and Neck Surgery

2016 - present	Member, Endocrine Surgery Committee.

American Head and Neck Society

2018 - present	Member, Website Committee.
2016 - present	Member, Leadership committee for the Endocrine Section.
2016 - 2018	Co-Chair, Website Committee, Endocrine Section.

2016 - present Member, Endocrine Committee.
2015 - present Member, Publications Committee.

Cancer Care Ontario

2016 - present Member, Oropharyngeal Cancer Pathway Map Working Group.
2013 - present Co-Surgical Lead, Endocrine Communities of Practice.

Cancer Care Ontario; Program in Evidence Based Medicine

2016 - present Member, Primary Excision Margins and Sentinel Lymph Node Biopsy in Cutaneous Melanoma Expert Panel Working Group.
2014 - present Member, Thyroid Cancer Guidelines Expert Panel Working Group.

University Health Network

2018 - present Project Director/Lead, Development of Head and Neck Surgical Anthology of Clinical and Functional Outcomes Database.
2017 - present Member, Surgical Oncology Executive, Department of Surgical Oncology, Princess Margaret Cancer program, Princess Margaret Cancer Centre, University Health Network.
2016 - present Lead, Thyroid Cancer Disease Site- Endocrine Disease Site.
2016 - present Head & Neck Surgery Lead, Melanoma Disease Site Group.
2010 - present Research Director, Department of Otolaryngology-Head & Neck Surgery, University Health Network.
2009 - present Member, Head & Neck Cancer Tissue Committee.
1998 - present Member, Cancer Registry and Staging Committee.

Manuscript Reviewer

2015 - present Clinical Otolaryngology.
2014 - present Cancer.
2012 - present Journal of Clinical Oncology.
2012 - present Journal of Reconstructive Microsurgery.
2012 - present Journal of Skin Cancer.
2012 - present Journal of Surgical Oncology.
2009 - present European Journal of Cancer.
2009 - present World Journal of Surgery.
2008 - present Archives of Otolaryngology.
2007 - present Canadian Medical Association Journal.
2007 - present Head & Neck.
2006 - present Journal of Otolaryngology-Head & Neck Surgery.
2006 - present Otolaryngology Head and Neck Surgery.

GORDON, K

2018 Essay grading, JNS1000Y, University of Toronto.
2018 Reviewer, Capstone Portfolios, Department of Speech-Language Pathology, University of Toronto.
2018 Poster Judge, Scientific Day, Collaborative Program in Neurosciences, University of Toronto.
2018 PhD Thesis External Examiner, Xin Zhou, University of Melbourne, Supervisor: Collette MacKay.
2014-present Member, Appointment Committee, Institute of Medical Sciences.
2014-2017 Member, Decanal Promotions Committee, Faculty of Medicine.

GULLANE, P

Ontario Cancer Institute

2000 - present	Senior Scientist, Cancer Informatics Division of OCI. (Sub Committee of Research Council), Canada.

Editorial Boards

2005 - present	Member, Journal Auris Nasus Larynx, International Journal of ORL & HNS (Elsevier) – Japan.
2003 - present	Member, On Line Journal Head and Neck Surgery-Oncology.
2000 - present	Member, The Laryngoscope.
1999 - present	Member, International Advisory Board, Saudi Arabia. The Saudi Journal of Oto-Rhino-Laryngology Head and Neck Surgery.
1993 - present	Member, Otolaryngology-Head and Neck Surgery

Manuscript Reviewer

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

Editorial Review Board

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

HARRISON, R

2017	Member, CIHR Grants committee, BSC Project Grant Competition.
2017	Canadian Hearing and Auditory Research Translation (CHART) group meeting Toronto.
2017	CCICG (Canadian Cochlear Implant Centres Group) Annual meeting Toronto, ON.
2017	Member, CIHR Grants committee, Fellowship Competition.
2017	Academic Board, University of Toronto, elected Faculty of Medicine representative.

HIGGINS, K

2018	Cancer Surgery QBP Working Group (HNK), Toronto, ON.
2018	Member, Esophageal QP, Sunnybrook Health Sciences Centre.
2017-present	Chair of the Department Appointments Committee, University of Toronto.
2017-present	Member, Faculty Council. Faculty of Medicine. University of Toronto.
2017	Member, CCO's Esophageal Cancer Working Group.
2017	Member, Sunnybrook's Sustainability Program Office (SPO).
2017	Member, Oropharyngeal cancer Pathway Map Working Group, University of Toronto.

Manuscript Reviewer

2012 - present	Craniomaxillofacial Trauma and Reconstruction.
2012 - present	Thyroid.
2011 - present	Clinical Otolaryngology.
2010 - present	Otolaryngology-Head and Neck Surgery.
2010 - present	Head & Neck.

2006 - present The Laryngoscope.
2005 - present Journal of Otolaryngology- Head & Neck Surgery.

IRISH, J

American Head and Neck Society

2017 – 2018 President.

Asia-Pacific Society of Thyroid Surgery

2017-present Member, Executive Committee.

Cancer Care Ontario

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

Ministry of Health and Long Term Care

2012 - present Member, Head and Neck Organizational Standards Implementation Steering Committee.
2009 - present Chair, Surgery and Diagnostic Imaging Council, Access to Care.
2005 - present Chair, Clinical Expert Panel-Cancer/Clinical Lead, Cancer Surgery.
2016 - present Member, Orthopedic Surgery Task Force.

University of Toronto

2017 – present Chair, Division of Head & Neck Oncology and Reconstructive Surgery.
2006 - present Member, Promotions Committee, Faculty of Medicine, Dept of Otolaryngology-Head & Neck Surgery.
2006 - 2017 Chair, Departmental Advisory Committee, Faculty of Medicine, Dept of Otolaryngology-Head & Neck Surgery.
2006 - present Member, Executive Committee, Faculty of Medicine, Dept of Otolaryngology-Head & Neck Surgery.

Associate Editor

2010 - present Head & Neck.

Editorial Boards

2010 - present Head & Neck.

Manuscript Reviewer

2015 - present Journal of Clinical Oncology.
2008 - present Cancer.
2003 - present The Laryngoscope.

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

Expert Reviewer

2005 - present	Canadian Cancer Society.

JAMES, A

2018 - present	Secretary, International Otology Outcome group.
2018 - present	Member, Steering Committee, 3rd World Congress Endoscopic Ear Surgery.

Editorial Boards

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

LAUGHLIN, S

2018 - present	2nd Vice President, Medical Staff Association.
2016 - 2018	Secretary Treasurer, Medical Staff Association.
2016 - 2018	MSA Secretary Treasurer. Medical Advisory Committee.
2016 - 2018	MSA Secretary Treasurer, Quality Management Council.

LE, T

2017 - present	Reviewer, Journal of Otolaryngology Head & Neck Surgery.

LEE, A

2018	MD Admissions interviewer, Faculty of Medicine, University of Toronto.
2017 Aug	Clinical Examiner, Integrated Objective Structural (iOSCE) University of Toronto.

LEE, J

American Rhinologic Society

2017 – present	Member, Scientific Awards Committee.

Canadian Society of Otolaryngology-Head & Neck Surgery

2017 – present	Member, Scientific Program Committee.
2010 – present	Member, Rhinology Working Group.

University of Toronto

2018	Course Co-Director, Rhinology Update, Dept of Otolaryngology-Head & Neck Surgery, University of Toronto.
2016 - present	Head, Division of Rhinology, Faculty of Medicine, Dept of Otolaryngology-Head & Neck Surgery, University of Toronto.

2013 - present	Member, Residency Program Committee, Faculty of Medicine, Dept of Otolaryngology - Head & Neck Surgery.
2013 - present	Postgraduate Site Director, Dept of Otolaryngology-Head & Neck Surgery, St. Michael's Hospital.
2013 - present	Member, Research Committee, Faculty of Medicine, Dept of Otolaryngology - Head & Neck Surgery.
2012 – present	Assistant Director of Undergraduate Medical Education, Faculty of Medicine, Dept of Otolaryngology-Head & Neck Surgery.
2012 - present	Member, Undergraduate Committee, Faculty of Medicine, Dept of Otolaryngology - Head & Neck Surgery.
2012 - present	Undergraduate Site Director, Otolaryngology-Head & Neck Surgery, FitzGerald Academy, St. Michael's Hospital.

Faculty Member

2014 - present	F1000 Prime: Section on Rhinology and Paranasal Sinus Disease.

Member of Advisory Board

2014 - present	F1000 Research.

Member of Editorial Board

2011 - present	American Journal of Rhinology and Allergy.

Manuscript Reviewer

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

LIN, V

2018 - present	Chair, Otolaryngology – Head & Neck Surgery, Ontario Medical Association.
2018 - present	Chair, "The Ontario Working Group on Best Practices in Oto-Vestibular Testing".
2018 - present	Chair, Scientific Program, Canadian Society of Otolaryngology – Head & Neck Surgery.
2018	Chair, Docs on Ice, Sunnybrook Foundation, Raising Funds for Sunnybrook Cochlear Implant Program.
2016 - present	Lead, Canadian Society of Otolaryngology-Head & Neck Surgery. Choosing Wisely Canada.
2016 - present	Ontario Rep – Canadian Society of Otolaryngology – Head & Neck Surgery.

External Grant Reviewer

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

Manuscript Reviewer

2016 - present	Frontiers in Neuroscience.
2014 - present	Journal of Medical and Biomedical Engineering.
2012 - present	Hearing Research.
2012 - present	Otolaryngology - Head & Neck Surgery.
2010 - present	Otology & Neurotology.

2009 - present	The Laryngoscope.
2009 - present	The American Journal of Case Reports.
2008 - present	Journal of Otolaryngology-Head and Neck Surgery.
2008 - present	Journal of Otolaryngology - Head & Neck Surgery.

LIU, F-F

2018 - 2021	Chair, Medical Advisory Board. University Health Network.
2018	Invited Co-Chair. FDA-AACR-ASTRO Clinical Development of Drug-Radiotherapy Combinations Workshop. Bethesda, Maryland, United States.
2018	Invited Co-Chair, New Perspectives on the Virus-Host Interplay in Nasopharyngeal Carcinoma and Their Impact on Diagnosis and Therapeutic Interventions. Gordon Conference on Nasopharyngeal Carcinoma. The Hong Kong University of Science and Technology, Hong Kong.
2017 - 2018	Member, Finance/Audit Committee. American Society for Radiation Oncology.
2017	Grant reviewer. Canadian Institutes of Health Research, Cancer Progression and Therapeutics Panel.
2017	Grant reviewer. Research Grants Council (RGC) of Hong Kong.
2017	Grant reviewer. Israel Cancer Research Fund Review Panel.
2017	Fellowship Award Review. Canadian Institutes of Health Research.
2017	Abstract Reviewer. American Association for Cancer Research.
2012 - present	Member, Advisory Board. Nasopharyngeal Carcinoma. Chinese University of Hong Kong.

MONTEIRO, E

2018-present	Member, Sinai Health System NSQIP Working Group.
2018	Invited member, North American Skull Base Society (NASBS) Value-Based Healthcare Committee.
2017-present	Member, Sinai Health System Quality of Care Committee.
2017-present	Co-Director, Journal Club. Department of Otolaryngology-Head & Neck Surgery. University of Toronto.
2017-present	Member, Best Practices in General Surgery (BPIGS).
2017-present	Member, Sinai Health System Medical Devices Reprocessing Committee.
2017-present	Core Member, Centre for Quality Improvement and Patient Safety. University Of Toronto.
2017	VTE and OR accreditation committee representative, Sinai Health System Accreditation Committee.
2017	Invited reviewer for oral cavity cancer patient education material. Cancer Care Ontario.
2017	Invited reviewer for maxillary sinus/nasal cavity cancer patient education materials. Cancer Care Ontario.
2016-present	Member, UHN Young Leaders Advisory Committee.
2015-present	Committee representative for Quality and Patient Safety and Sinai Health System. Postgraduate Medical Education Committee – Department of Otolaryngology-Head & Neck Surgery. University of Toronto.
2015-present	Advisor regarding implementation of Quality and Patient Safety into the course. Undergraduate medical education - Health Science Research Course. University of Toronto.
2013-present	Member, Quality and Patient Safety Committee. Department of Otolaryngology-Head & Neck Surgery, University of Toronto.

NAZARALI, K

2016-present	Member, Pharmaceuticals and Therapeutics committee. Trillium Health Partners.

PAPAIOANNOU, V

2016 - present	Board Member, Society for Ear Nose and Throat Advances in Children
2016– 2018	Chair, Cochlear Implants in Children Position Paper Review Committee, Speech-Language and Audiology Canada, Ottawa, ON.
2017– 2018	Member, Speech Language Pathology Practice Advisory Committee, College of Audiologists and Speech Language Pathologists of Ontario (CASLPO), Toronto, ON.
2016– 2018	Member, Finance Committee, College of Audiologists and Speech Language Pathologists of Ontario (CASLPO), Toronto, ON.
2014–2018	Member, Inquiries, Complaints and Reports Committee, College of Audiologists and Speech Language Pathologists of Ontario (CASLPO), Toronto, ON.
2010– present	Member, Awards Committee, Speech-Language and Audiology Canada, Ottawa, ON.
2009– 2018	Councilor, College of Audiologists and Speech Language Pathologists of Ontario (CASLPO), Toronto, ON.
2005– present	Member, Professional Advisory Committee, Hospital for Sick Children, Toronto, ON.
2003– present	Member, Advisory Committee, Communicative Disorders Assistant Program, Georgian College, Barrie, ON.
2001 - present	Member, Audiology Working Group, City of Toronto Infant Hearing Program, Toronto, ON.

PAPSIN, B

2018	President – American Society of Pediatric Otolaryngology.
2016-2018	Chair, Development Committee. American Society of Pediatric Otolaryngology
2011-present	Chairman, Board of Examiners. Undergraduate Medical Program. University of Toronto.
2010-present	Member. How I do it (HIDI) Committee. The Triologic Society.
2004-present	Member, Section on Otolaryngology-Head and Neck Surgery. The American Academy of Pediatrics.
2000-2018	Credentials Committee. Hospital for Sick Children, Toronto.

Manuscript Reviewer

2010-present	The Journal of International Advanced Otology (IAO).
2010-present	Journal of International Advanced Otology.
2006-present	Journal of Otology and Neurotology.
2006-present	JAMA Otolaryngology - Head and Neck Surgery.
2004-present	BMC Ear, Nose and Throat Disorders.
2004-present	International Journal of Pediatric Otorhinolaryngology.
2003-present	Otolaryngology-Head and Neck Surgery.
2003-present	The Laryngoscope.
2000-present	University of Toronto Medical Journal.
1998-present	Journal of Otolaryngology-Head & Neck Surgery.

PROPST, E

2018 – present	Member, ASPO Committee to identify vulnerable populations within US and Canadian borders.
2017 – present	Member, ASPO Fellowship Committee.
2017 – present	Member, ASPO Information Technology Committee.
2018 – present	Member, The Aerodigestive Society Strategic Committee.
2016 – present	Member, Periodic Fever Aphthous Stomatitis Pharyngitis, Cervical Adenitis (PFAPA) Clinical Pathway Development Committee.

2016 – 2017	Member, SENTAC Program Committee.
2017 – 2018	Member, International Surgical Sleep Society Surgical Trials Committee.
2017 – 2019	Member, Hospital for Sick Children Morbidity and Mortality Committee.

Manuscript Reviewer

2017 - present	Sleep and Breathing.
2016 - present	Dentistry Journal.
2016 - present	Pediatric Pulmonology.
2015 - present	Hospital Pediatrics.
2015 - present	Pediatrics.
2014 - present	BMC Pediatrics.
2014 - present	The Laryngoscope.
2012 - present	Sensors.
2006 - present	International Journal of Pediatric Otorhinolaryngology.
2005 - present	Canadian Medical Association Journal.

SINGH, P

2018-present	Executive Member, Physician Scorecard Steering Committee. Scarborough and Rouge Hospital.
2016-present	Member, Quality and Safety Committee. Dept of Otolaryngology-Head & Neck Surgery. University of Toronto.
2016-present	Project Lead / Surgeon Champion, The Scarborough and Rouge Hospital NSQIP Implementation Team.

SOLOMON, P

2017	Planning Committee: Symposium on Management of Low Risk Differentiated Thyroid Cancer and Non-invasive Follicular Thyroid Neoplasty with Papillary-like Nuclear Features, Department of Otolaryngology-Head & Neck Surgery, Faculty of Medicine, University of Toronto.
2016-present	Chief, Division of Otolaryngology-Head & Neck Surgery, Department of Surgery, Mackenzie Health Hospital.
2010-present	Inspector, Out-of-Hospital Facilities, The College of Physicians and Surgeons of Ontario.
2009-present	Practice Assessor, The College of Physicians and Surgeons of Ontario.
2002-present	Director, Canadian Academy of Facial Plastic and Reconstructive Surgery (Regional Director, 2007-2013).

WITTE, J

2017-present	ABR Consultant, Ontario Infant Hearing Program Designated Training Centre at Humber River Hospital.

WITTERICK, I

2015 - present	Member, Editorial Board, International Forum of Allergy & Rhinology.
2010 - present	Member, Editorial Board, Skull Base.
2009 - present	Member, Editorial Board, Ear, Nose, and Throat Journal.

Associate Editor

2010 - present	American Journal of Rhinology & Allergy.

North American Skull Base Society

2018 - present	Immediate Past-President.
2017 - 2018	President.
2017 - 2018	Member, Program Committee, 28th Annual North American Skull Base Society Meeting, Coronado, CA, March 2018.
2013 - present	Member, Surgical Education Committee.
2013 - present	Member, Executive Committee.
2011 - present	Member, Board of Directors.

World Congress on Thyroid Cancer

2017 - present	Member, Steering Committee, 4th World Congress on Thyroid Cancer, Boston, MA.
2017 - present	Member, Steering Committee, World Congress on Thyroid Cancer 3.5, Rome, IT.
2014 - 2017	Member, Steering Committee, 3rd World Congress on Thyroid Cancer, Boston, MA.

Canadian Society of Otolaryngology - Head & Neck Surgery

2018 – present	1st Vice-President.
2017 - 2018	2nd Vice-President.
2016 - present	Member, Canadian Society of Otolaryngology-HNS Council.
2015 - present	Chair, Canadian Otolaryngology Academic Chairs (COACH) Committee.
2012 - present	Member, Canadian Otolaryngology Academic Chairs (COACH) Committee.
2002 - present	Member, Head & Neck Oncology Group.
2002 - present	Member, Rhinology Group.

Royal College of Physicians and Surgeons of Canada

2016 - present	Member, International (residency) Program Review Accreditation Committee (IPR-AC).
2016 - 2017	Member, Resources Standards Development Working Group

Department of Otolaryngology – Head & Neck Surgery, University of Toronto

2012 - present	Professor and Chair.
2012 - present	Chair, Executive Committee.
2010 - present	Member, Promotions Committee.
2010 - present	Member, Department Advisory Committee.
2004 - present	Co-Director, Percy Ireland Annual Academic Day and Dinner.
2004 - present	Judge, Percy Ireland Annual Academic Day.
2002 - present	Member, Executive Committee.
1998 - present	Supervisor, Rhinology and Skull Base Surgery Fellowship.

Faculty of Medicine, University of Toronto

2018 - present	Member, Search Committee Bartley-Smith/Wharton Chair in Radiation Oncology.
2016 - present	Deputy Speaker, Faculty Council.
2016 - present	University Clinical Department Chair representative, Toronto Academic Health Sciences. Network Medical Affairs Committee (TAHSNm).
2016 - present	Executive, Clinical Relations Committee.
2012 - present	Member, Clinical Relations Committee.
2012 - present	Member, Executive Committee, Institute of Medical Science.
2012 - present	Member, Clinical Chairs Committee.
2012 - present	Member, All Chairs Committee.

2011 - present	Member, Faculty Council Executive Committee.
2008 - present	Member, Steering Committee, Surgical Skills Centre.

Sinai Health System

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

ZADEH, G

2018-present	Grant Reviewer, Canadian Institutes of Health Research (CIHR), Cancer Biology & Therapeutics (C2), recommended by the Chair of the Committee, Ottawa, ON.
2017- present	Editor, Neuro-Oncology.
2017- present	Invited Editor, Neurosurgery Focus.
2017- present	Member, Editorial Board, Cancer – Interdisciplinary International Journal of the American Cancer Society.
2017- present	Editor, Neuro-Oncology.
2017- present	Member, Editorial Board, PLoS One.
2017- present	Member, Editorial Board, Neurosurgery.
2017- present	Member, Editorial Board, Journal of Radiosurgery & SBRT (Stereotactic Body Radiation Therapy).
2017- present	Grant Reviewer, Canadian Institutes of Health Research (CIHR), Government of Canada, Toronto, ON,
2017- present	Vice-Chair, SNO Officers and Board of Directors, Society for Neuro-oncology (SNO), 721947.
2017- present	Regional Chair, Toronto General Regional Cancer Program.
2017- present	Distinct Member of the American Association of Neurological Surgery, 402118.
2017- present	Member, Board of Directors, Society for Neuro-oncology (SNO).
2016- present	Member at Large, North American Skull Base Society (NASBS).
2016- present	Member, Scientific Program Committee, North American Skull Base Society (NASBS).
2016- present	Member, Terry Fox Annual Scientific Meeting.
2015- present	Scientific Committee Member, CNSF, Canadian Neuroscience Federation 2016.
2015- present	Executive Member, International Gamma Knife Research Foundation (IGKRF).
2015- present	Member, Examination Committee, Royal College of Physicians and Surgeons of Canada.
2015- present	Chair, SNO International Outreach Committee, Society for Neuro-oncology (SNO).
2015- present	Elected Secretary/Treasurer, Society for Neuro-oncology (SNO).
2015- present	Scientific Chair, Society for Neuro-oncology (SNO) and Consortium of Meningioma
2015- present	Director and Founder, Wilkins-Barrick SNO , Society for Neuro-oncology (SNO).
2015- present	Scientific Committee Member, Terry Fox Research Institute, 2016 Annual Scientific meeting.
2015- present	Member, Grants Committee – Neurosurgery Research & Education Foundation (NREF).
2014- present	Chair, International Outreach Committee, Society for Neuro-oncology (SNO).
2013- present	Co-Chair, City Wide Brain Tumour Biobank.
2013- present	Chair and Organizer, Neuro-Oncology Committee, World Federation of Neurosurgical Societies (WFNS).
2013- present	Member, Society of University Neurosurgeons (SUN).
2013- present	Member, Guidelines Committee, American Association of Neurological Surgeons (AANS).
2011- present	Member, North American Skull Base Society (NASBS).
2010- present	Member, American Association of Neurological Surgeons (AANS).
2010- present	Member, American Society of Therapeutic Radiation Oncology (ASTRO).
2010- present	Member, Canadian Association of Radiation Oncology (CARO).

2010- present	Member, Canadian Congress of Neurological Surgeons (CCNS).
2010- present	Full Member, Congress of Neurological Surgeons (CNS).
2010- present	Member, International Society of Pituitary Surgeons (ISPS).
2010- present	Medical Advisor, Acoustic Neuroma Association of Canada (ANAC), Patient and Public Education, Toronto, ON.
2009- present	Full Member, American Association of Cancer Research (AACR).
2009- present	Executive Member, Canadian Brain Tumour Consortium Net, Neurosurgery Representative, Toronto, ON.
2009- present	Executive Member/Neurosurgery Representative, Clinical Trials Group, Canadian Neurosurgeons Site, National Cancer Institute Canada (NCI).
2006- present	Member, General Medical Council, United Kingdom.
2000- present	Member, Brain Tumour Section of AANS.
1999-present	Member, Canadian Brain Tumour Network (CBTNet).

University Health Network

2018- present	Organizer, 'Doctors of Cancer Surgery (DOCS) Retreat, Division of Surgical Oncology.
2017- present	Member, Board of Trustees.
2017- present	Member, Medical Advisory Committee.
2017- present	Member, Princess Margaret Executive Committee.
2017- present	Member, Research Council on Oncology.
2017- present	Member, Surgery and Critical Care Program Safety and Quality Committee.
2017- present	Member, Surgical Executive Committee.
2017- present	Member, Senior Management Team.
2017- present	Member, Surgical Oncology Management.
2017- present	Member, Surgical and Critical Care Program Management Committee.
2015- present	Medical Director, Physician Assistant and Advanced Nurse Practitioner, Neuro-Oncology Committee.
2015- present	Co-Director, Elizabeth Raab Neurofibromatosis Program.
2013- present	Co-Chair, City-Wide Brain Tumour Biobank.
2010- present	Executive Member, Clinical Care Committee, Krembil Neuroscience Program.
2009- present	Executive, UHN Biobanking Steering Committee, Faculty of Medicine, Department of Surgery, Neurosurgery, Multilevel Education.
2009- present	Executive, UHN Neurosurgery Associates Finance Committee.
2009- present	Executive, UHN Biobanking Steering Committee. Faculty of Medicine, Department of Surgery, Neurosurgery, Multilevel Education.
2008- present	Chair, Biobanking CNS Site Group.
2008- present	Chair and Facilitator, Neuro-oncology Tumour Board.
2008- present	Chair and Facilitator, Pituitary Tumour Board.

University of Toronto

2015- present	Director, UofT Meningioma Consortium - COMIT.
2014- present	Co-Director, City-Wide Brain Tumour Bank.
2014- present	Director, Academic Affairs, Division of Neurosurgery.
2014- present	Member, Department of Surgery Research Committee.

ZIRKLE, M

2018-present	Co-Chair, Clerkship Renewal Steering Group, University of Toronto.
2017-present	Member, Admissions-non academic elements.
2016-present	Member, Executive Council, Centre for Faculty Development, University of Toronto.
2014-present	Member, Integrated Physician Scientist Training Program working group.
2011-present	Chair, FitzGerald Awards Committee.
2011-present	Chair, FitzGerald Site Co-ordinators Committee.
2010-present	Director, FitzGerald Academy, Undergraduate Medical Education, St Michael's Hospital.
2010-present	Member, Undergraduate Medical Education, Executive Committee, University of Toronto.
2010-present	Chair, Undergraduate Medical Education, Academy Director Committee, University of Toronto.
2010-present	Member, Undergraduate Medical Education, Clerkship Committee, University of Toronto.
2010-present	Member, Undergraduate Medical Education, Curriculum Committee, University of Toronto.

St. Michael's Hospital

2018 present	Chair, Network Student Experience Committee.
2015-present	Member. Collaborative Learning Working Group.
2015-present	Member. Faculty Development Day Planning Group.
2010-present	Co-Chair, Student Experience Committee.
2010-present	Committee Member, Education Council.
2010-present	Committee Member, Interprofessional Education.

Manuscript Reviewer

2011-present	Medical Education.
2007-present	The Laryngoscope.
2006-present	Otolaryngology-Head & Neck Surgery.

Research Grants and Contracts

CAMPISI, P

2017	Harry Barberian Scholarship – Medical Simulation and Independent Learning. Department of Otolaryngology – Head & Neck Surgery, University of Toronto $5,000 CAD.

CHEN, J

2017-2018	Principal Investigator. Cochlear Implant Clinical Trial-Canadian study (pre-FDA approval): Oticon (EVO) device - device cost + ancillary, Industry: Oticon Co, Sweden. $250,000.

CHEPEHA, D

2016-present	Principal Investigator. Rehabilitation of Head and Neck Cancer Patients with Biofeedback Training to Improve Speaking and Eating in Public. AHSC AFP Innovation Fund. University Health Network. $190,870.00 CAD.
2016-present	Supervisor. Evaluation of the Peri-Tumoral Inflammatory Microenvironment for patients with oral cavity SCC. Harry Barberian Scholarship Fund. Otolaryngology – Head & Neck Surgery, University of Toronto. $5,000.00 CAD.
2015-present	Co-Investigator. Physiological Flow of Liquids Used in Dysphagia Management. NIH Grant. University Health Network. $2,576,130.00 CAD.
2015-present	Co-Investigator. A Phase 1b/3 Multicentre, Randomized, Open-label Trial of Talimogene Laherparepvec in Combination With Pembrolizumab for the Treatment of Subjects With Recurrent or Metastatic Squamous Cell Carcinoma of the Head and Neck.

CUSHING, S

2015 – 2020	Collaborator. Overt responses during covert orienting; Novel biomarkers for the oculomotor system in health and disease. Canadian Institutes of Health Research (CIHR). PI: Corneil, Brian. Collaborator(s): Cushing, Sharon. $739,381 CAD.
2014 - 2019	Co-Investigator. Tissue engineering of auricular cartilage implants for external ear reconstruction. Canadian Institutes of Health Research (CIHR). PI: Waldman, Steve. Collaborator(s): Cushing, Sharon, Higgins, Kevin. $339,992 CAD.
2012 - 2017	Collaborator. Behavioural and neurophysiological effects of Transcranial Magnetic Stimulation in the Primate. Canadian Institutes of Health Research (CIHR). PI: Corneil, Brian. Collaborator(s): Cushing, Sharon. $754,470 CAD.

DABDOUB, A

2017 – 18	Co-Principal Investigator. Hearing Health Foundation (USA). Establishing the human utricle from surgical patients as a translational in vitro model for hair cell regeneration. $65,000.
2016 – 18	Principal Investigator. Canada First Research Excellence Fund - Medicine by Design: New Ideas Grant. Regeneration of auditory neurons for the treatment of hearing loss. $150,000.

2013 – 18	Principal Investigator. Canadian Foundation for Innovation – Leaders Opportunity Fund. Development of sensory and neural cells in the mammalian cochlea. $635,000.

DE ALMEIDA, J

2018 – 2019	Supervisor. Artificial Intelligence and machine learning to predict extranodal extension on computed tomographic imaging in head and neck squamous cell carcinoma. Harry Barberian Scholarship Fund. Department of Otolaryngology Head and Neck Surgery, University of Toronto. Co-investigator: Christopher Noel. $7,750.
2018 – 2019	Supervisor. Development and Implementation of a clinical care pathway for head and neck oncologic surgery. A quality improvement initiative. Harry Barberian Scholarship Fund. Department of Otolaryngology Head and Neck Surgery, University of Toronto. Co-investigators: Christopher Noel, Eric Monteiro, David Goldstein. $7,750.
2017 – 2020	Principal Investigator. Finding/Identifying Primaries with Neck Disease (FIND Trial): A Pilot Study Integrating Transoral Robotic Surgery, Histopathologic Localization, and Tailored De-Intensification of Radiotherapy for Unknown Primary and Small Oropharyngeal Head and Neck Squamous Cell Carcinoma. Innovation Fund Surgical Oncology (Ontario Cancer Institute/Princess Margaret Cancer Centre. Co-Investigators: John Kim, Rosemary Martino, David Goldstein, Raymond Jang, Douglas Chepeha, Scott Bratman, Ilan Weinreb, Eugene Yu, Ur Metser, Bayardo Perez-Ordonez, Wei Xu. $70,000.

ENEPEKIDES, D

2018-present	Co-Investigator. Multi-modality optical imaging advancement and integration in a neurosurgical experimental operating room. Ontario Research Fund. Victor Yang MD PhD (PI), Todd Mainprize MD PHD, Danny Enepekides MD MPH, Albert Yee MD, Dimitri Androutsos PhD, Dafna Sussman PhD. $1,578,153 (Total Project Funding : $5,244,898).

ESKANDER, A

2018	Principal Investigator. Thyroid surgery quality of care in Ontario: Impact of Cancer Care Ontario's Quality-Based Procedure (QBP) Program. Harry Barberian Scholarship Fund. Collaborators: Monteiro E, Pasternak J, Goldstein D, Irish J. $7,500 CAD.

GOLDSTEIN, D

2018 - 2019	Co-Investigator. Development and Implementation of a Clinical Care Pathway for Head and Neck Oncologic Surgery: A Quality Improvement Initiative Harry Barbarian Scholarship Fund. PIs: Christopher Noel & John de Almeida, Co-investigators. Eric Monteiro and David Goldstein. $7,750 CAD.
2017 - 2018	Co-investigator: A Pilot study Examining Primary Care Physicians' Practice and Beliefs in Thyroid Neoplasm Evaluation. University Health Network Thyroid Research Fund. PI: Anna Sawka. Co-investigators: David P. Goldstein (UHN), Sangeet Ghai (UHN), Hedy Jiang (CCO), Patrick Brown (University of Toronto). $35,000 CAD.
2015 - 2018	Co-Principal Investigator. A novel active surveillance approach to primary management of low-risk papillary thyroid cancer. CCSRI Innovation Grant. PI: Sawka, Anna and Goldstein, David. $92,560 CAD.

GORDON, K

2013-2018	Restoring binaural hearing to children who are deaf. Primary Investigator: Gordon, K.A., Co-investigator: Papsin, B.C., CIHR Operating Grant.#MOP-130420. $623,602 (ranked 1st in competition).

HARRISON, R

2017-2018	Principal investigator. The changing balance of neural inhibition vs. excitation during auditory system development. CIHR Operating Grant: $117,054.
2017-2018	Supervisor. Barberian Scholarship Fund, University of Toronto, Otoacoustic emission generation. Insights from an animal model. $5,000 CAD.

HIGGINS, K

2016 - 2018	Collaborator. Assessing the feasibility, acceptability, and Impact of Implementing Cancer Care Ontario's Psychosocial Oncology & Palliative Care Pathway in the care of patients with Head and Neck Cancer. AHSC AFP Innovation Fund. PI: Janet Ellis MB BChir, MD, FRCPC. $99,000.
2014 - 2018	Co-Principal Investigator. Tissue engineering of auricular cartilage implants for external ear reconstruction. CIHR. PI: Waldman S. Collaborator(s): Cushing S., Kunz M., Pang S. and Winterborn A. $460,000 CAD.
2012 - 2018	Principal Site Investigator. Efficacy of optically guided surgery in the management of early stage oral cancer (COOLS trial). Terry Fox Research Institute (TFRI)/Canadian Cancer Society Research Institute. $25,000.

IRISH, J

2017– 2018	Co-Investigator, Principal Knowledge User. Benchmarking the quality of urologic cancer care in Ontario: a population-based analysis. CIHR Catalyst Grant: Health Services and Economics Research in Cancer Control. $96,250 CAD. PI: Finelli A.
2017– 2022	User. Precision Cancer Medicine. Project 4: Image Guided Therapy. Canada Foundation for Innovation. $29,517,912 (total) $11,807,165 (CFI) $800,000 (for GTx-Lab CBCT-J Irish). PI: Wouters B.
2017– 2022	Co-Principal Investigator, Project 3 Leader. Porphysome nanoparticle-enabled image-guided cancer interventions. The Terry Fox New Frontiers Program Project Grant. $6,616,301 CAD. PI: Zheng Gang.
2017– 2022	Program Expert. Porphyrin nanomedicine for cancer imaging and therapy. CIHR Foundation Grant. $3,750,000 CAD. PI: Gang Zheng. Other Program Experts: Yasufuku K, Bernardini M., Ghai S., Oza A.
2017– 2018	Co-Principal Investigator. Transforming the cancer surgery system: Impact of the Ontario Cancer Surgery Agreement on Surgical Quality. Cancer Care Ontario CPQI Grant. $69,412 CAD. PI: Wei A.

2016– 2018	Co-Principal Investigator. Nature-inspired smart nanoparticles for spectral-modulated photothermal and photodynamic therapy of cancer. CCSRI Innovation Grant. PI: Zheng G. Co-PIs: Irish J, Wilson B. $200,000 CAD.
2016-present	Collaborator. Clinical Trial Development with Nanovista: An Interventional Imaging Agent Platform to Improve the Precision of Personalized Cancer Therapies. Princess Margaret Cancer Foundation. Innovation Accelerator Fund. PI: Zheng, Jinzi. Collaborator(s): Irish J, Jaffray DA, Allen C. $250,000 CAD.
2015-present	Co-investigator. Porphysome-based imaging and therapy for head and neck cancer. Princess Margaret Cancer Foundation. Innovation Accelerator Fund. PI: Zheng G. $250,000 CAD.
2016 - 2019	Co-Principal Investigator. Analysis of Circulating Tumor Cell Heterogeneity Using a Multi-Marker Microscale Capture Approach as a tool in the Management and Treatment of Cancer Cancer Research. Canadian Institutes of Health Research (CIHR) and Natural Sciences and Engineering Research Council of Canada (NSERC). Collaborative Health Research Projects. PI: Kelly, Shana and Irish, Jonathan. Collaborator(s): Allan A, Cil T, Joshua A, Sargent E.
2015 - 2017	Co-Principal Investigator. Personalized Porphysomes. Collaborative Translational Grant. PI: Irish J and Zheng G. $300,000 CAD.
2015 - 2018	Co-Investigator. Improving Target Definition in Radiation Therapy Planning by the Spatial Registration of Optical Endoscopy Imaging with Volumetric Imaging. Canadian Institutes of Health Research (CIHR). PI: Weersink R. Collaborator(s): Cho J, Jaffray D. $93,527 CAD.
2014 - 2019	Co-Investigator. Science Operating Room Extension (ScORE). Canada Foundation for Innovation. Leaders Opportunity Fund–Funding for research infrastructure. PI: Jaffray D. Collaborator(s): Zheng G. $1,997,099 CAD.

JAMES, A

2017	Principal Investigator. Development of surgical instruments for endoscopic ear surgery. Renewal of Director's Innovation Award, Institute of Biomaterials and Biomedical Engineering, University of Toronto. Collaborator(s): Andrysek J, Swarup A. $5,000 CAD.

LAUGHLIN, S

2018 - 2023	Co-Investigator. White matter plasticity in brain synchronization and memory. Canadian Institutes of Health Research (CIHR). Operating Grant. PI: Mabbot D. Collaborator(s): Bartels U, Decker A, Frankland P, Laughlin S, Lefebvre J, Oyefiade A, Ramaswamy V. $1,147,500 CAD.

LE, T

2017 - present	Principal Investigator. Start-up Fund. Sunnybrook Hearing Regenerative Program. Total Funding - $300,000 CAD.
2017 - 2018	Supervisor. Magnetic Targeting Delivery of Stem Cell and Gene Therapies for the Treatment of Hearing Loss. Harry Barberian Research scholarship. Total Funding - $5,000 CAD.

LEE, J

2018 - present	Supervisor. Identifying the hearing needs of the homeless and marginally housed population of Toronto's Central Local Health Integration Network: A pilot study. Harry Barberian Grant. Collaborator(s): Noel C, Mok F, Lin V, Zirkle M. $6,000 CAD.

LIN, RJ

2018 - present	Principal Investigator. Blue light laser: a comparative study on vocal fold scarring in a rat model. Harry Barbarian Scholarship. Collaborator: Anderson J. $9,822.22 CAD.

LIN, V

2018 - 2019	Co-Investigator. The Incidence of Hearing Loss in the Homeless Population of Toronto. Department of Otolaryngology - Head & Neck Surgery. Harry Barberian Fund. PI: Noel C, Mok F. $6,000 CAD.
2016 - 2018	Principal Investigator. Impact of the Sunnybrook Home Guided Hearing Rehabilitation Tool on Speech Recognition Following Cochlear Implantation. Ontario Ministry of Health. Academic Health Sciences Centre - AFP Innovation Funding. $96,000 CAD.
2016 - 2017	Co-Investigator. Safety of Intratympanic Fludrocortisone Injections in a Mouse Model. Department of Otolaryngology - Head & Neck Surgery. Harry Barberian Fund. PI: Kurien G. $9,000 CAD.
2016 - 2017	Co-Investigator. Comparing the Effect of Autologous Platelet Products and Epidisc on Tympanic Membrane Perforation Healing in Office-Based Tympanoplasties. Department of Otolaryngology - Head & Neck Surgery. Harry Barberian Fund. PI: Bensoussan Y. $6,550 CAD.

LIU, F-F

2017 - 2021	Co-Investigator. PMH-HKU-SZH Radiation Oncology High Level Medical Team. Sanming Project of Medicine in Shenzhen. Health and Family Planning Commission of Shenzhen Municipality. Collaborator(s): O'Sullivan B (PI), Dawson L, Wong R, Huang SH, Zhang BB. $12,000,000 RMB.
2017 - 2022	Principal Investigator. Seeking Molecular Signatures for Nasopharyngeal Carcinoma. Project Grant Competition, Canadian Institutes of Health Research (CIHR). Collaborator(s): Bratman S, Bruce J, Haibe-Kains B, Pugh T, Weinreb I, Xu W, Yip K, Le QT, Ng LWT. $1,147,500 CAD.
2016 - 2017	Co-Investigator. Detection of Genomic Clonal Heterogeneity in Oral Cavity Squamous Cell Carcinoma. Radiation Medicine Program, Princess Margaret Cancer Centre. Collaborator(s): Bratman S (PI), Pugh T, Ailles L. $100,000 CAD.
2015 - 2017	Principal Investigator. Epigenetic reprogramming of radiation fibrosis using adipose-derived stromal cells. Canadian Cancer Society Research Institute (CCSRI). Collaborator(s): Ailles L, De Carvalho D, Haibe-Kains B. $200,000 CAD.
2013 - 2018	Co-Investigator. Novel ultrasound-activated microbubble enhancement of radiation response: Optimization of response. Canadian Institutes of Health Research (CIHR). Collaborator(s): Czarnota GJ, Kolios MC (Co-PIs). $706,608 CAD.

MONTEIRO, E

2018 — Co-Investigator. Harry Barberian Scholarship Fund. Illustrating Otolaryngology: Creating Reputable Resources for Canadian Otolaryngology Patients. Xu J, Monteiro E, Vescan A, Witterick I. (Co-Investigator). $5,348 CAD.

2018 — Supervisor. Harry Barberian Scholarship Fund. Development and Implementation of a Clinical Care Pathway For Head and Neck Oncologic Surgery: A Quality Improvement Initiative. Co-Investigators: Noel C, de Almeida J, Goldstein D, Monteiro E. (Co-Investigator). $7,750 CAD.

2017 — Supervisor. Harry Barberian Scholarship Fund. Measuring the Validity of a Thyroid Ultrasound Guided Fine Needle Aspiration Biopsy Simulator. Co-Investigators: Xu J, Monteiro E, Vescan A. $7,000 CAD.

PAPSIN, B

2013 - 2018 — Co-Investigator. Restoring binaural hearing to children who are deaf. Primary Investigator: Gordon, KA, Co-investigator: Papsin, BC, CIHR Operating Grant.#MOP-130420. $623,602 (ranked 1st in competition).

PROPST, E

2018 Mar — Principal Investigator. Whole Genome Sequencing of Complete Tracheal Rings. McLaughlin Centre Whole Genome Sequencing in Health Initiative. $40,000 CAD.

WITTERICK, I

2018 — Supervisor. Illustrating Otolaryngology-Creating Reputable Resources for Canadian Otolaryngology Patients. Harry Barberian Scholarship Fund, Department of Otolaryngology-Head & Neck Surgery, University of Toronto. PI: Monteiro EM, Collaborator(s): Xu J, Vescan AD, Witterick IJ. $5,348 CAD.

2018 — Co-Investigator. MicroRNAs in Oral Squamous Cell Carcinoma: Development of Non-Invasive Molecular Testing for Early Diagnosis of Oral Cancer. Harry Barberian Scholarship Fund, Department of Otolaryngology-Head & Neck Surgery, University of Toronto. PI: Fu D, Collaborator(s): MacMillan C, Witterick IJ. $10,000 CAD.

WOLTER, N

2018 - 2019 — Co-Investigator/Applicant: Nikolaus E. Wolter. Surgical Volumes and Outcomes Among Children Adolescents and Young Adults Treated for Thyroid Carcinoma: A Provincial Population Study. Garron Family Cancer Centre Pitbaldo Basic/Translational Discovery Grant. Collaborators: Wasserman J, Eskander A, Pole J. $40,386 CAD.

2018 - 2019 — Co-Investigator. Molecular Targets of Rapamycin in Lymphatic Endothelial Cells. Harry Barberian Scholarship. Collaborators: Eyal Grunebaum, Alexander J. Osborn. $7,936 CAD.

ZADEH, G

2017 -2022	Principal Investigator. Deciphering the genetic and epigenetic landscape of clinically aggressive meningiomas. The Brain Tumour Charity, Quest for Cures, Collaborative Team, Awards. $2,461,650 CAD.
2017-2018	Principal Investigator. Pimonidazole as a specific marker for hypoxia in Glioblastoma and identification of marker genes associated with its uptake. Brain Tumour Foundation Canada. $50,000 CAD.
2017-2019	Principal Investigator. Analysis of existing Canadian cohorts and databases related to reproductive, child and maternal health and cancer control-Cancer Control. Canadian Institutes of Health Research (CIHR). $75,000 CAD.
2017–2019	Co-Principal Investigator. Proteomic Analysis of Clinically Aggressive Meningiomas. Ontario Institute for Cancer Research (OICR). Ontario Molecular Pathology Research Network Grant. $160,000 CAD.
2017-2019	Principal Investigator. Establishing the Genomic and Epigenomic Landscape of Schwannomatosis Towards Advancing Management Options. Synodos for Schwannomatosis program, Children's Tumor Foundation – CTF 1, $500,000 CAD.

ZIRKLE, M

2018-present	Co Investigator. Identifying the Hearing Needs of the Homeless and Marginally Housed Populations of Toronto's Central Local Health Integration Network: A Pilot Study Barbarian Scholarship ($6,000) Principal Investigator: Lin V, Co-Investigators: Hwang S, Noel C and Mok F.
2015-present	Co Investigator. Investigating Organizational Drivers of Resident Fatigue. AFP funded project ($43,944) funding period April 2016-18. Principal Investigator: Maggi J. Co-Investigator: Ng S and Baker L.

Residents & Fellows

Residents & Fellows

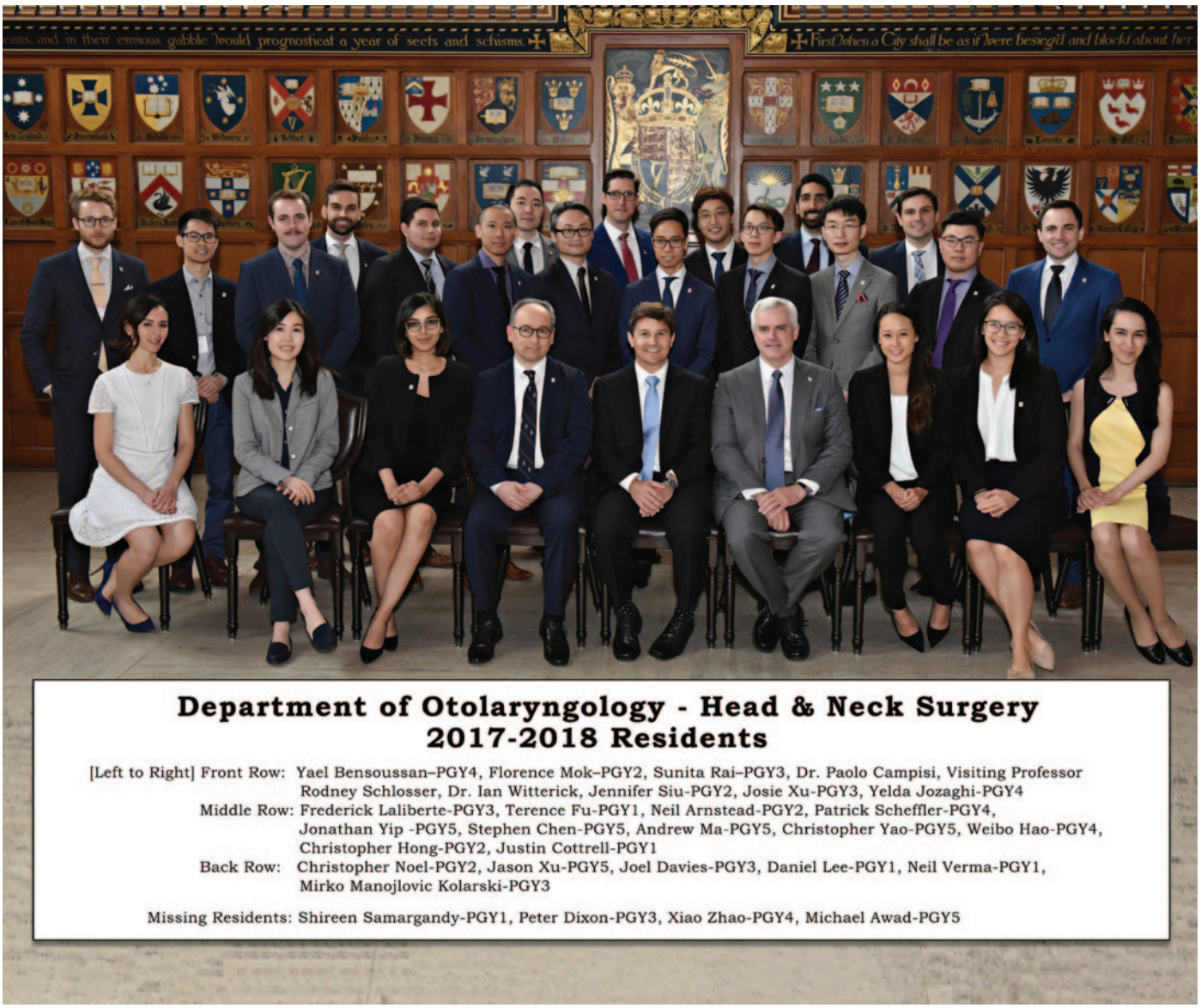
PGY 1
Justin Cottrell
Terence Fu
Daniel Lee
Shireen Samargandy
Neil Verma

PGY 2
Neil Arnstead
Christopher Hong
Florence Mok
Christopher Noel
Jennifer Siu

PGY 3
Joel Davies
Peter Dixon
Frédérick Laliberté
Mirko Manojlovic Kolarski
Sunita Rai
Josie Xu

PGY 4
Yael Bensoussan
Weibo Hao
Yelda Jozaghi
Patrick Scheffler
Xiao Zhao

PGY 5
Michael Awad
Stephen Chen
Andrew Ma
Jason Xu
Christopher Yao
Jonathan Yip



Fellowship	Fellow	Country of Training	Mentor(s)
Head and Neck Surgical Oncology	Gian-Marco Busato Felipe Cardemil Sam Flatman Wael Hasan Ryan McSpadden Peter Vosler	Canada Chile Australia Ireland USA USA	University Health Network: Drs. Dale Brown, Douglas Chepeha, John de Almeida, Jonathan Irish, Ralph Gilbert, David Goldstein, Patrick Gullane Sinai Health System: Dr. Jeremy Freeman Sunnybrook HSC: Drs. Danny Enepekides, Kevin Higgins
Facial Plastic & Reconstructive Surgery	Ahmed Walaa Abousheleib	Egypt	Dr. Oakley Smith
Facial Plastic & Reconstructive Surgery	Eric Carniol	USA	Dr. Peter Adamson
Facial Plastic & Reconstructive Surgery	Nizar Taki	USA	Dr. David Ellis
Paediatric Otolaryngology	Erynne Faucett Gavin le Nobel Faisal Zawawi	USA Canada Canada	Hospital for Sick Children: Drs. Paolo Campisi, Sharon Cushing, Adrian James, Blake Papsin, Evan Propst
Rhinology, Skull Base and Head & Neck Oncology	Jay Wong	Canada	Sinai Health System: Drs. Ian Witterick, Allan Vescan, Eric Monteiro
Otology Skull Base Surgery	Maya Kuroiwa Rivero David Low	Chile Singapore	Sunnybrook HSC: Drs. Joseph Chen, Vincent Lin
Medical & Surgical Otology/Neurotology	Khalid Alzaabi Simon Carr Fatemeh Hassan Nia Reuven Ishai Gordon Tsang Olga Tsirogianni	Oman England Iran Israel Canada Greece	University Health Network: Drs. John Rutka, David Pothier Markham Stouffville Hospital: Dr. Jerry Halik
Laryngology	Tanya Banerjee	England	St. Michael's Hospital: Dr. Jennifer Anderson

Departmental Awards Program

Departmental Awards Program

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

Dr. Jennifer Siu (PGY2) received the Chapnik, Freeman and Friedberg Clinical Scientist Program Award – In recognition of a resident/fellow (who are postgraduate MD trainees) or junior faculty in the Department of Otolaryngology-Head & Neck Surgery enrolled in a Master of Science or Master's in Education, Master's of Health Science, or PhD degree at the University of Toronto, to pursue advanced research training.

Dr. Joel Davies (PGY2) received the Freda Noyek Otolaryngology Merit Award - In recognition of special commitment to patient care and academic achievement.

Dr. Jennifer Siu (PGY2) received the Judy Chauvin Otolaryngology Resident Award – In recognition of an enthusiastic interest in the initiation of a serious otolaryngology-related research project.

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

Dr. Paolo Campisi received the Resident Advocate Award – In recognition of dedication to improving the residency program through support and mentorship.

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

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

Dr. Jonathan Yip received the Resident Teacher of the Year Award - Awarded to a PGY5 resident who is judged to have been an outstanding teacher to other residents and medical students during their residency.

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

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

Dr. Everton Gooden received the Distinguished Alumnus Award - Awarded to an alumnus in recognition of having demonstrated an exceptional commitment and dedication to the practice and teaching of otolaryngology-head & neck surgery and whose professional ethical standards have been of the highest order.

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

Dr. Yelda Jozaghi received the Wharton Head & Neck Research Award – Awarded in recognition of the best paper in head and neck oncology.

Dr. David Chan (McGill University) and Dr. Eric Carniol (University of Toronto) each received a Wilfred Goodman Award in Facial Plastic and Reconstructive Surgery Award - Awarded to a resident or fellow who is undertaking their education and research in the field of facial plastic and reconstructive surgery.

2017-18 Harry Barberian Scholarship Awards

Dr. Peter Dixon (Graduate studies)
Development of a condition-specific utility instrument for hearing impairment.

Dr. Tony Eskander (Faculty)
Thyroid surgery quality of care in Ontario: Impact of Cancer Care Ontario's Quality-Based Procedure (QBP) Program.

Dr. David (Guodong) Fu (Graduate studies)
MicroRNAs in oral squamous cell carcinoma: development of non-invasive molecular testing for early diagnosis of oral cancer.

Dr. Trung Le (Faculty)
Magnetic targeting of paramagnetic contrasts in the inner ear for MR imaging and therapy.

Dr. Daniel Lee (PGY1)
The clinicopathological, radiological and patient-centred criteria for outpatient vs inpatient superficial parotidectomy.

Dr. Jun Lin (Faculty)
Blue light laser: A comparative study on vocal fold scarring in a rat model.

Dr. Emilia Luca (Graduate studies)
Characterization of a potential new hearing gene.

Dr. Christina MacMillan & Dr. David Howarth (Dept of Pathology and Laboratory Medicine, Mount Sinai)
The diagnostic value of immunohistochemistry to detect the BRAFV600E mutation in noninvasive follicular thyroid neoplasm with papillary-like nuclei (NIFTP), encapsulated follicular variant of papillary thyroid carcinoma and encapsulated classic variant of papillary thyroid carcinoma with a predominantly follicular growth pattern.

Ms. Jaina Negandhi (Graduate studies)
How are otoacoustic emissions generated?

Dr. Christopher Noel (PGY2)
Artificial intelligence and machine learning to predict extranodal extension on computed tomography imaging in head and neck squamous cell carcinoma.

Dr. Christopher Noel (PGY2)
Development and implementation of a clinical care pathway for head and neck oncologic surgery: A quality improvement initiative.

Dr. Christopher Noel (PGY2) & Dr. Florence Mok (PGY2)
Identifying the hearing needs of the homeless and marginally housed population of Toronto's Central Local Health Integration Network: A pilot study.

Dr. Neil Verma (PGY1) & Dr. Yelda Jozaghi (PGY4)
Evaluation of the peri-tumoral inflammatory microenvironment for patients with oral cavity squamous cell carcinoma.

Dr. Nikolaus Wolter (Faculty) & Dr. Alex Osborn
Molecular targets of rapamycin in lymphatic endothelial cells.

Dr. Josie Xu (PGY3)
Illustrating otolaryngology-creating reputable resources for Canadian otolaryngology patients.

Percy Ireland Academic Day

27th Annual Percy Ireland Academic Day

FRIDAY MAY 11, 2018
University of Toronto's Hart House, Music Room

The Department of Otolaryngology-Head & Neck Surgery held its 27th Annual Percy Ireland Academic Day on May 11, 2018 at the University of Toronto's Hart House.

Visiting Professor **Dr. Rodney Schlosser** (Director of Rhinology and Sinus Surgery in the Department of Otolaryngology at the Medical University of South Carolina) delivered The Percy Ireland Oration titled: ***"ESS: When and How Much".***

Dr. Alma Smitheringale was our **Guest of Honour**

BEST PAPER IN EACH OF FIVE CATEGORIES

Recognition is given to one presenter in each category

Category 1 - Work undertaken by post-residency research fellows/graduate degree students:
Awarded to Ms. Arushri Swarup for her project: "Developing Instruments to Facilitate Endoscopic Ear Surgery".

Ms. Arushri Swarup (left) with Dr. Paolo Campisi

Category 2 - Work undertaken by PGY2 residents during clinical rotation:
Awarded to Dr. Christopher Noel for his project: "Radiologic-Pathologic Correlation of Extranodal Extension in Patients with Squamous Cell Carcinoma of the Oral Cavity: Implications of the 8th Edition TNM".

Dr. Christopher Noel (left) with Dr. Paolo Campisi

Category 3 - Work undertaken by PGY3 residents during clinical rotation:
Awarded to Dr. Mirko Manojlovic Kolarski for his project: "Face Validity, Learning Curve, and Predictive Validity of Virtual Reality Simulator for Sinus Surgery".

Dr. Mirko Manojlovic Kolarski (left) with Dr. Paolo Campisi

Category 4 - Work undertaken by PGY4 residents during clinical rotation:
Awarded to Dr. Yelda Jozaghi for her project: "Investigation of the Impact the Invasive Front Grade in Oral Cavity Squamous Cell Carcinoma".

Dr. Yelda Jozaghi (left) with Dr. Paolo Campisi

Category 5 - Work undertaken by post-residency clinical fellows:
Awarded to Dr. Reuven Ishai for his project: "Effectiveness of Vestibular Rehabilitation in Patients with Cerebella Ataxia with Bilateral Vestibulopathy".

Dr. Reuven Ishai (left) with Dr. Paolo Campisi

Best Overall Presented Paper:
Awarded to Dr. Peter Dixon for his project: "Explaining Contemporary Improvements in Adult Cochlear Implant Outcomes".

Dr. Peter Dixon (left) with Dr. Alain Dabdoub

Annual Percy Ireland Dinner

THURSDAY MAY 10, 2018
Intercontinental Toronto Yorkville

Departmental Committees and Membership

Departmental Committees and Membership

Executive

Chair: Ian Witterick
Members: Peter Adamson, Jennifer Anderson, Paolo Campisi, Yvonne Chan, Al Chiodo, Danny Enepekides, Ralph Gilbert, Patrick Gullane, Robert V. Harrison, Kevin Higgins, Jonathan Irish, John Lee, Vicky Papaioannou, Blake Papsin, Allan Vescan

2017 Executive Committee Reception held on December 5, 2017 at the McLean House, Estates of Sunnybrook

Undergraduate Medical Education (UME)

Chair: Allan Vescan
Members: Jason Atlas, Vinay Fernandes, Kevin Higgins, Brad Hubbard, John Lee, Bosco Lui, Evan Propst, Raewyn Seaberg, Manish Shah, Jack Shahin, Jeff Werger
Clerkship Representative: Eitan Aziza

Residency Program Committee

Chair: Paolo Campisi
Members: Brad Hubbard (MGH), John Lee (SMH), John de Almeida (UHN), Vincent Lin (SHSC & Resident Research Coordinator), Evan Propst (HSC), Eric Monteiro (SHS), Janet Chung (MAM), Justin Cottrell (PGY1), Jennifer Siu (PGY2), Frédérick Laliberté (PGY3), Patrick Scheffler (PGY4), Jonathan Yip (PGY5), Erynne Faucett/Jay Wong (Fellow Reps)

Continuing Professional Development (CPD)

Chair: Yvonne Chan
Members: Paolo Campisi, Allan Vescan, Ian Witterick

Research

Chair: Robert V. Harrison
Members: Paolo Campisi [ex-officio], Doug Chepeha, Alain Dabdoub, Mike Daly, Andrew Dimitrijevic, Tony Eskander, David Goldstein, Karen Gordon, Trung Le, John Lee, Jun Lin, Vincent Lin, Eric Monteiro, David Pothier, Evan Propst, Al Vescan, Ian Witterick [ex-officio], Nikolaus Wolter

Department Appointments Committee (DAC)

Chair: Kevin Higgins
Members: Peter Adamson, Jennifer Anderson, Paolo Campisi, Danny Enepekides, Ralph Gilbert, Robert V. Harrison, Vicky Papaioannou, Blake Papsin; Ian Witterick [ex-officio]

Department Promotions Committee (DPC)

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

Budget Advisory

Chair: Ian Witterick
Members: Jennifer Anderson, Paolo Campisi, Danny Enepekides, Ralph Gilbert, Robert V. Harrison, Blake Papsin

Community Academic

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

Advancement

Chair: Patrick Gullane
Member: Ian Witterick

Quality and Safety

Chair: Danny Enepekides
Members: Jennifer Anderson, Doug Chepeha, Jonathan Irish, Adrian James, Eric Monteiro, David Pothier, Manish Shah, Praby Singh, Ian Witterick

Departmental Committee Reports

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 and postgraduate medical education, continuing professional development, education and research vice-chairs, chairs of committees (Advancement, Departmental Appointments Committee, Promotions and Quality & Safety), the heads of our four divisions (1. Audiology; 2. Facial Plastic and Reconstructive Surgery; 3. Head & Neck Oncology and Reconstructive Surgery and 4. Rhinology) and a representative from the Community Academic Faculty.

The Executive Committee receives reports from all standing committees on a monthly basis and distributes minutes of the meetings to faculty members. The committee provides guidance to the Chair in all matters related to the functioning of the department.

The committee continues to work well providing input and advice on the running and future directions of our department. I am indebted to the high calibre of collegiality and assistance from the members of this committee.

Undergraduate Medical Education

Dr. Allan Vescan (Chair)

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

Pre-Clerkship Courses

Dr. Brad Hubbard represented our department during the preclerkship curriculum as assistant UME director and led the department in the delivery of the new Foundations Curriculum. The courses include ICE 1 and 2 (formerly ASCM 1 and 2), TOPIC (formerly MMMD), Portfolio and Longitudinal Elective courses.

Post-Clerkship Courses

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

We have just successfully completed our first year of the new Foundations Curriculum. The Arts and Science of Clinical Medicine (ASCM) 1 & 2 is now called Integrated Clinical Experience or ICE and involves one day of teaching in Year 1 (CS1) with 13 of our faculty members spread out amongst the four Teaching Academies. ASCM 2, now called Clinical Skills 2 (CS 2), is a component of the ICE course and involves 44 half-days teaching commitments over the course of three weeks in December and January. The second year course TOPIC was delivered for the first time this past year and involved a novel approach to delivering UME content. It involved a week based around a virtual online clinic, three lectures, workshops, eLearning materials, anatomy labs as well as student led and faculty led case-based learning (CBL).

The clerkship course continues to be delivered with our hybrid model, where half of the approximately 260 medical students will rotate through our community academic sites and half will be in our more traditional academic teaching units. This has led to an improved learning environment for our students. The Longitudinal Integrated Clerkship rotation (LInC) has officially been discontinued with the 2017/18 being the final year it will be offered. We are moving toward a clerkship redesign to be rolled out in 2021 and therefore it was decided to redirect resources and energy toward its creation.

The entire UME portfolio across the university is moving toward an online exam bank using the ExamSoft platform. I would like to thank the PGY 2-5 residents for their contributions toward this cause with editing and creation of new questions for our clerkship exam.

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

I would like to sincerely thank all of our faculty for their amazing contributions to UME over this past year and look forward to your continued support. Special thanks to all of our Site Co-ordinators and Drs. John Lee and Brad Hubbard for all their extra work and effort in the delivery of UME for our department. UME is a complex portfolio with instruction, requests and changes coming from

different leadership groups at the academy/hospital and university levels.

I would like to also congratulate Dr. Aman Grewal for receiving the Alma Smitheringale Undergraduate Teaching Award this past year. Seeing our Community Academic Faculty recognized for their exceptional contributions is very gratifying.

I truly appreciate everyone's patience and continued commitment to our UME mandate.

Residency Program Committee

Dr. Paolo Campisi (Chair)

The 2017-2018 academic year marked the first resident cohort to enter the Competency-Based Education residency program. The University of Toronto has been at the forefront of this national initiative with our department being the first to develop a multi-teaching site curriculum, a curriculum map and an assessment plan. The Residency Program Committee developed and implemented site specific rotation plans and updated the corresponding In-Training Assessment Reports. The program implemented an on-line smartphone program that allowed for the completion of assessments in real time. This experience informed the 'next generation' software that has now been introduced across all University of Toronto residency programs. The residency program developed and piloted a procedure logging system that is in line with the ACGME and has now been rolled out to all residency programs in Canada. These experiences and developments place our department at the forefront of post-graduate education innovation. This would not have been possible without the tremendous support of the PGME office and the Education Innovation Group headed by Dr. Susan Glover Takahashi and its members, Ms. Lisa St. Amant and Dr. Marla Nayer.

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

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

John de Almeida (University Health Network)
Brad Hubbard (Michael Garron Hospital, formerly Toronto East General Hospital)
John Lee (St. Michael's Hospital)
Vincent Lin (Sunnybrook Health Sciences Centre & Research Committee)
Eric Monteiro (Sinai Health System & Patient Safety & Quality Committee)
Adam Toth and Janet Chung (Mississauga Academy of Medicine)
Justin Cottrell (PGY1 representative)
Jennifer Siu (PGY2 representative)
Frédérick Laliberté (PGY3 representative)
Patrick Scheffler (PGY4 representative)
Jonathan Yip (PGY5 representative & Chief Resident)
Erynne Faucett and Jay Wong (Fellow representatives)

Residents

There were 27 residents and 22 clinical and research fellows enrolled in postgraduate training programs within our department. Dr. Jonathan Yip served as the administrative chief resident and represented the interests of the residents diligently. Dr. Yip completed his term on April 30, 2018 and Dr. Yael Bensoussan was subsequently elected as incoming chief resident. Thank you Jonathan and Yael for your excellent work on behalf of the residents.

Congratulations to Drs. Jonathan Yip, Christopher Yao, Stephen Chen, Jason Xu, Andrew Ma and Michael Awad for completing their residency training. Jonathan, Christopher, Andrew and Michael have secured fellowship training in various

subspecialty areas including rhinology, skull base surgery, head and neck surgical oncology, sleep medicine and otology/neurotology outside Canada.

Resident Selection

The CaRMS selection process was held on January 26, 2018 using best practice guidelines. The process included file reviews, traditional interviews, multiple-mini interviews (MMI), and a surgical skills station. The Selection Committee continues to have significant resident representation. The traditional interviews were conducted by Drs. Ian Witterick, Paolo Campisi, Jonathan Yip, Jennifer Siu, Josie Xu and Christopher Yao. The MMIs were co-administered by faculty-resident teams: Drs. Yvonne Chan and Frederick Laliberte, Drs. John de Almeida and Mirko Manojlovic Kolarski, Drs. Eric Monteiro and Yelda Jozaghi, Drs. Vincent Lin and Patrick Scheffler. The surgical skills station was prepared and administered by Drs. Peter Dixon and Neil Arnstead. Additional event coordination was provided by Drs. Yael Bensoussan and Sunita Rai. A sincere thank you to all the members of the Selection Committee for their dedication to this very important day for the department. The program successfully matched all available positions to Canadian medical graduates. The department was delighted to welcome Drs. Weining Yang from the University of Toronto, John Lee from the University of British Columbia, Vincent Wu from Queen's University, Dr. Hedyeh Ziai from the University of Ottawa and Dr. Amr Hamour from the University of Alberta. Dr. Weining Yang is this year's recipient of the Hugh Barber Award.

Residency Curriculum

The Residency Core Curriculum continues to be provided over a 3-year cycle to residents in the PGY2-PGY4 years. In the 2017-2018 academic year, the core topics covered were Otology/Neurotology and Rhinology. Drs. Vincent Lin and John Lee served as leads for the series of lectures provided. The PGY1 residents attended weekly "Foundations of Surgery" lectures throughout the year and a two-week "Prep Camp" in July prior to joining clinical rotations. The PGY5 residents participated in weekly Fellowship Study lectures provided by faculty in preparation for the Royal College Examinations. Residents in the PGY2-PGY5 years wrote the annual National In-Training Examination in December 2017. Once again, our residents performed very well on this examination. The faculty members have continued to provide an incredible number of exceptional clinical courses for the residents and fellows. A special thank you goes out to Drs. Peter Adamson, Ashlin Alexander and Michael Brandt for organizing the Soft Tissue Dissection and Rhinoplasty courses, Dr. Dale Brown for the Laser course, Drs. John Lee & Allan Vescan for the Endoscopic Sinus Surgery course, and the many faculty & fellows that have contributed to the anatomy course and series of Temporal Bone Dissection courses provided throughout the academic year.

The PGY4 residents attended the annual American Academy of Otolaryngology-Head & Neck Surgery meeting in Chicago, Illinois in September 2017. This opportunity has been generously funded every year by the faculty at the core teaching sites.

White Sox vs Giants (in Chicago).
Front to back:Drs. Ian Witterick, Yelda Jozaghi, Christopher Yao & Paolo Campisi

Caption: L to R: Drs. Jonathan Yip, Christopher Yao, Paolo Campisi, Patrick Scheffler, Weibo Hao & Yelda Jozaghi

Thank you to the faculty at the University Health Network, Sinai Health System, Sunnybrook Health Sciences Centre, St. Michael's Hospital and the Hospital for Sick Children.

The fourth annual resident retreat was held on June 8, 2018. The theme for the retreat was "Surviving Cancer – The Patient Perspective". A patient from the Head and Neck Cancer Clinic was invited to speak about his journey, the impact of each treatment, and his experience with residents during his treatment. A secondary theme was "the first year after residency". This session was provided by Drs. Gordon Tsang and Gavin le Nobel, recent graduates of our residency program.

Lastly, a special thank you to Drs. John de Almeida, Eric Monteiro, Adrian James and the faculty mentors for organizing and providing mentorship for the Journal Club meetings. During the 2017-2018 academic year, several new formats and venues were piloted to help engage more participation. Thank you to Drs. Vincent Lin, Nik Wolter, Yvonne Chan, Eric Monteiro and Ian Witterick for hosting the events at their homes.

Fellowship Programs

The Department of Otolaryngology - Head & Neck Surgery at the University of Toronto continues to be a beacon for fellowship training nationally and internationally. There were 22 fellows enrolled in clinical and research training programs in our department for the 2017-2018 academic year.

Research

The PGY2 residents continue to participate in a 4-month research block under the supervision of various faculty members. During the 2017-2018 academic year, new initiatives were maintained to help mentor the incoming PGY2 residents in advance of their research block. Residents were required to submit a research proposal and plan that was reviewed by the RPC and Research Committees. These changes were introduced to ensure success locally and at national meetings and to encourage residents to pursue graduate level programs in subsequent years.

Dr. Xiao Zhao successfully completed his PhD program and Dr. Peter Dixon initiated a Master's Degree program in epidemiology as part of the Clinician Investigator Program.

The 6th Annual Harry Barberian Memorial Dinner was held on May 7, 2018. The proceeds from this annual event are used to fund resident and faculty research in the department. The recipients of Harry Barbarian Scholarships for 2018 are listed in the "Departmental Awards Program" section of the annual report. A special thank you to Mr. Arron Barberian & Dr. Jeremy Freeman for their ongoing support of this annual event.

The Percy Ireland Annual Academic Day was held on May 11, 2018. The invited professor was Dr. Rodney Schlosser from the Medical University of South Carolina. The award recipients of the various categories are listed in the "Percy Ireland Academic Day" section of this report.

Research and Teaching Awards

Dr. Christopher Hong received the PGME Chisholm Memorial Fellowship Award.

Dr. Jonathan Yip was recognized by his peers as the Resident Teacher of the Year and also received the Mount Sinai Bernand Ghert Award. Dr. David Low

was recognized by the residents as the Fellow Teacher of the Year. Dr. Yvonne Chan was recognized by the residents as the Faculty Teacher of the Year. Dr. Paolo Campisi was recognized with the Resident Advocacy Award.

Dr. Josie Xu received one of the 2018 Poliquin Resident Research Competition awards at the 67th Annual Meeting of the Canadian Society of Otolaryngology-HNS in Quebec City for her project "Effects of Discovery Learning on Medical Students' Knowledge Acquisition and Retention Using a Mobile Otoscopy Simulator: A Randomized Controlled Trial".

Dr. Neil Arnstead submitted a study to the 2018 International Conference on Residency Education meeting and was recognized as one of the top 5 resident research papers. His study is entitled "Feedback Frequency in Competency by Design: A Quality Improvement Initiative".

Otolaryngology Jeopardy took place on February 9, 2018 during Grand Rounds. The winners were Drs. Yelda Jozaghi, Christopher Hong and Justin Cottrell.

The 3 Minute Thesis presented by PGY2-PGY4 residents was on June 8, 2018. The winners were 1st place: Yelda Jozaghi, 2nd place: Christopher Noel and 3rd place: Xiao Zhao.

2017-18 Graduation Ceremony June 21, 2018 at Gallery Grill, Hart House
Graduating Residents with Dr. Paolo Campisi

Michael Awad

Andrew Ma

Stephen Chen

Jason Xu

Christopher Yao

Jonathan Yip

Graduating Fellows

Ahmed Walaa Abousheleib (left) with Ian Witterick

Tanya Banerjee (left) with Ian Witterick

Gian-Marco Busato (3rd from the left) with Jeremy Freeman (far left), Kevin Higgins and Danny Enepekides

Eric Carniol (left) with Peter Adamson

Erynne Faucett, Faisal Zawawi and Gavin le Nobel (middle) with (l to r) Nik Wolter, Paolo Campisi, Sharon Cushing, Blake Papsin, Adrian James

Sam Flatman (middle) with Jeremy Freeman (left) and Jonathan Irish (right)

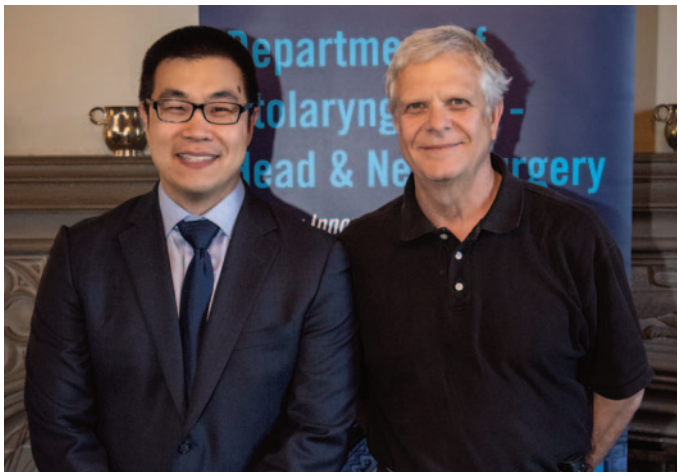
Wael Hasan (2nd from the left) with Patrick Gullane (far left), Ralph Gilbert and Jonathan Irish

Reuven Ishai (left) with John Rutka

David Low (middle) with Vincent Lin (left) and Joseph Chen (right)

Ryan McSpadden (3rd from the left) with Patrick Gullane (far left), Kevin Higgins and Danny Enepekides

Nizar Taki (left) with Ian Witterick



Gordon Tsang (left) with John Rutka

Peter Vosler (4th from the left) with David Goldstein (far left), Danny Enepekides, John de Almeida, Ralph Gilbert, Kevin Higgins

Jay Wong (middle) with Eric Monteiro (left) and Ian Witterick

Continuing Professional Development

Dr. Yvonne Chan (Director)

Our department has established a reputation of delivering world class continuing education programs under the University of Toronto brand for community and academic otolaryngologists. We are indebted to our entire faculty who volunteer their time and energy to organize the successful courses that are attended by otolaryngologists and other health care professionals from around the world. I would like to thank Dr. Ian Witterick for organizing our Grand Rounds which include presentations from visiting professors, guest lecturers, community & academic faculty, fellows, and residents. Our faculty continues to benefit from the capability to watch the Grand Rounds live from any internet connection when they are not able to attend in person. The following outlines the large number of courses organized under the auspices of our department as well as the many visiting professors to the department.

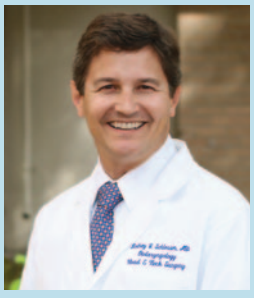
Courses Organized

DATE(S)	COURSE TITLE (ORGANIZERS)	GUEST FACULTY/INVITED SPEAKERS
April 6-7, 2018	**Rhinology Update** (Drs. Yvonne Chan, John Lee, Allan Vescan)	Martin Desrosier, McGill University Arif Janjua, University of British Columbia David Kennedy, University of Pennsylvania Doron Sommer, McMaster University Marc Tewfik, McGill University Elina Toskala-Kennedy, Temple University
March 24, 2018	**Lumps, Bumps and Looks in Head and Neck** (Drs. Yvonne Chan, Peter Adamson, Michael Brandt, Howard Bargman, Silvy Mathew)	Howard Bargman, Div of Dermatology, UofT Harmeet Gill, Ophthalmology, UofT Hagen Klieb, Dentistry and Anatomic Pathology, SHSC Shachar Sade, Lab Medicine & Pathology, UofT Dusan Sajic, Community Dermatology Monika Winnicki, Div of Dermatology, UofT
February 3, 2018	**16th Annual Otolaryngology Update** (Drs. Yvonne Chan & Paolo Campisi)	Nikki Bozinoff, UofT Joe Dort, University of Calgary Johnna MacCormick, University of Ottawa Ameet Singh, The George Washington University School of Medicine & Health Sciences Doron Sommer, Western University

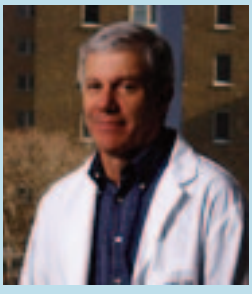
Courses Organized continued...

DATE(S)	COURSE TITLE (ORGANIZERS)	GUEST FACULTY/INVITED SPEAKERS
February 2, 2018	**Quality and Safety Primer for Otolaryngologists** (Drs. Danny Enepekides, Eric Monteiro, Yvonne Chan)	Bob Bell, Deputy Minister of Health and Long-Term Care Joe Dort, University of Calgary Edmund Kwok, University of Ottawa Robin Mcleod, Dept of Surgery, UofT Lily Nguyen, McGill University Brian Wong, Dept of Medicine, UofT
January 13, 2018	**Half Day Symposium on Current Topics in Thyroid Cancer Diagnosis and Management** (Drs. David Goldstein, Anna Sawka, Yvonne Chan)	Scott Boerner Sangeet Ghai Jesse Pasternak
November 10, 2017	**Otology Update** (Drs. Vincent Lin, Yvonne Chan)	
September 23, 2017	**What's New in Office-based Procedures in Otolaryngology-HNS** (Drs. Yvonne Chan, Brian Rotenberg)	Shaun Kilty, University of Ottawa Brian Rotenberg, Western University

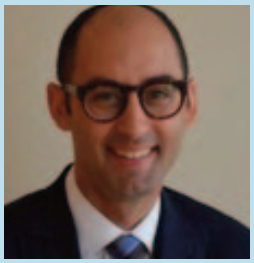
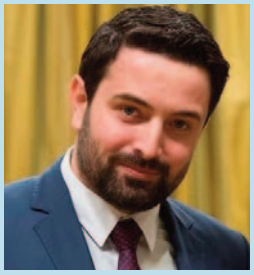
Invited Professors/Invited Guests

		TITLE OF PRESENTATION
	May 17-18, 2018 **Harold Pillsbury III** Department of Otolaryngology-Head and Neck Surgery UNC School of Medicine	The Evolution of Auditory Technology The Future of Otolaryngology-Head & Neck Surgery
	**May 11, 2018** **Rodney Schlosser** Department of Otolaryngology-Head & Neck Surgery Medical University of South Carolina *(Annual Percy Ireland Visiting Professor)*	ESS: When and How Much?

Invited Professors/Invited Guests continued...

		TITLE OF PRESENTATION
	May 3-4, 2018 **Bryan Haugen** Division of Endocrinology, Metabolism and Diabetes University of Colorado *(Annual Binstock Lecture)*	2015 ATA Thyroid Nodules and DTC Guidelines: A Perspective from the Chair Definition and Management of Patients with Radioiodine-Refractory Thyroid
	April 27, 2018 **Uma Duvvuri** Division of Head & Neck Surgery University of Pittsburgh School of Medicine *(Annual Grimm Lecture)*	Innovations in Otolaryngology Head & Neck Surgery: What's Changed in the Last Decade?
	April 6, 2018 **David Kennedy** Department of Otorhinolaryngology: Head and Neck Surgery University of Pennsylvania	Tips on Initial Revision Surgery and Inverted Papilloma Management
	March 23, 2018 **Lawrence Lustig** Department of Otolaryngology-Head & Neck Surgery Columbia University Medical Center	Cochlear Gene Therapy-Is it Time?
	**March 16, 2018** **Allan Detsky (with Christopher Wallis & Sarah Hugh)** Institute of Health Policy, Management and Evaluation University of Toronto	Post-operative Outcomes for Patients Treated by Female and Male Surgeons

Invited Professors/Invited Guests continued...

		TITLE OF PRESENTATION
	**March 9, 2018** **Eitan Prisman** Department of Surgery University of British Columbia	The Use of Perioperative Virtual Surgical Planning for Head and Neck Surgical Oncology and Reconstruction
	March 2, 2018 **Ari Bitnun** Department of Paediatrics University of Toronto *(Annual Krista Riko Lecture)*	Congenital CMV
	January 26, 2018 **Robert V. Harrison** Department of Otolaryngology-Head & Neck Sugery University of Toronto *(Annual Tomlinson Lecture)*	Making Clinical Sense of New Knowledge on Inner Ear Pathology
	**January 12, 2018** **Khaled Almilaji** MHI Candidate in the Institute of Health Policy, Management and Evaluation (IHPME) Dalla Lana School of Public Health, University of Toronto *(Annual Joseph K. H. Wong/Smile China Lecture)*	Syria: War and Health

We are committed to CPD and faculty development courses for community and academic otolaryngologists, family practitioners and allied health care professionals. We will continue to look for new opportunities to provide leading edge CPD and innovative ways to obtain different categories of maintenance of certification credits. I am indebted to our dedicated faculty for their innovation and hard work in providing such excellent CPD programming and I would also like to thank Ms. Audrea Martin, our Business Officer, for her continued support of our CPD portfolio.

Research Committee

Dr. Robert V. Harrison (Chair)

Our department adheres to the vision of the university Faculty of Medicine, that is: International leadership in health research and education. We also follow the Faculty mission: To prepare future health leaders, contribute to our communities, and improve the health of individuals and populations through discovery, application and communication of knowledge. Our departmental research activities are closely linked to this "discovery, application and communication of knowledge".

Within our specialty we have a very diverse range of research teams that span almost all aspects of otolaryngology – head & neck surgery. (See the diagram of our research groups on next page). Clinically related research is carried out by almost all of our full time faculty, often in association with other healthcare professionals and/or basic scientists. Our full-time scientists interact extensively with our clinicians in translational studies, and are also involved in basic "discovery science" relating to otolaryngology head and neck surgery.

The Departmental Research Committee is structured to represent the research activities at each of our core teaching hospitals, and also to represent both clinical and basic research. Thus, Karen Gordon and Evan Propst represent the Hospital for Sick Children (SickKids). Sunnybrook Health Sciences Centre is represented by Alain Dabdoub and Vincent Lin. Eric Monteiro represents Sinai Health System. For UHN/PMH, David Pothier, Doug Chepeha, Mike Daly and David Goldstein are on our committee, and John Lee reports for St. Mike's.

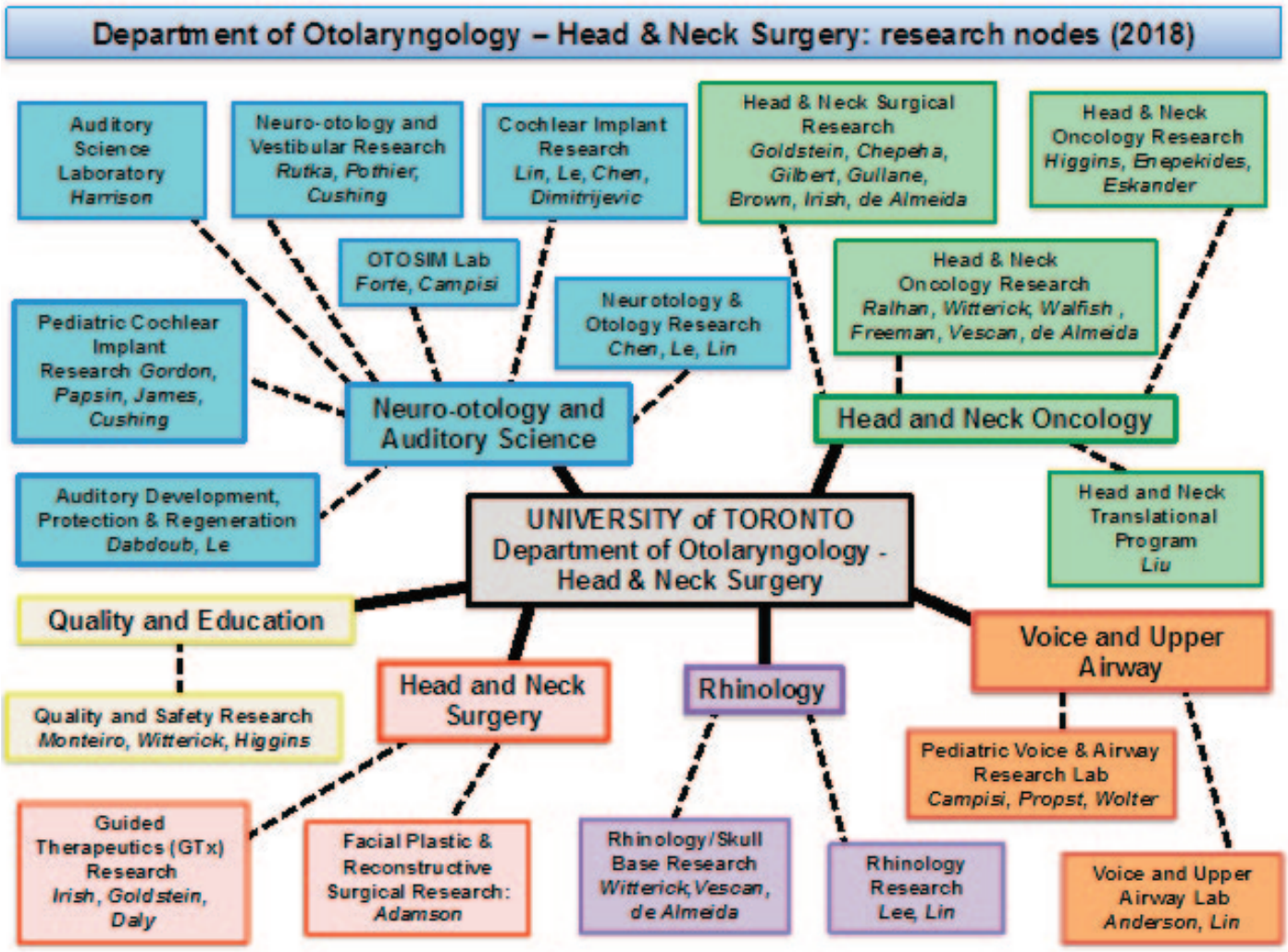
In addition to these core members, our committee for this year has also included our newest staff recruits: Jun Lin (St. Mike's), Nik Wolter (UHN), Tony Eskander, Trung Le and Andrew Dimitrijevic (SHSC). The aim here was to integrate our new members into the academic environment that our department fosters. The Research Committee also includes ex-officio members Ian Witterick and Paolo Campisi.

We have held a series of well-attended and useful meetings over the year. Some of our discussion topics have included:

- Meeting the goals of our department's strategic plan; this has been on all our meeting agendas.
- We have pondered research funding challenges, with the considerable strains on major peer-reviewed federal sources (e.g. CIHR, NSERC).
- We have discussed new issues related to publication of papers, including open access publication (who pays?) and avoidance of on-line predatory journals.
- We have discussed new methods for dissemination of new knowledge including use of online repositories such as ResearchGate, Scopus and Google Scholar.
- We have agreed about the need to consider journal impact factors and in this regard we have circulated impact factor lists for most journals related to our specialty.
- Also we have discussed the increasing importance of individual metrics of academic performance, i.e. citation numbers and h-index.

Two events in the department are the highlights of the academic year. Early in the year (2018, February) we hosted an excellent research evening. On these occasions we attempt to have an overview of the many research activities in the department. This year we again held this event in the new research and learning tower at SickKids (PGCRL). The time available at the research evening is always inadequate to allow a display of all the science that goes on behind the scenes in our department. This year our event was very successful covering, albeit briefly, the whole range of science activity in the department. It was an impressive display of research that we should all be very proud of. Similarly we should also be impressed with presentations made at our Annual Academic (Percy Ireland) Day held in May. Here the focus of attention is on work done by clinical trainees during residency or fellowship, as well as graduate students in basic science labs. The standard of research presentations this year was excellent.

The past year has seen the initiation of many exciting research projects as well as the completion of many others. Our department continues to improve research productivity in terms of the usual metrics of grant funding and peer reviewed publications. We also note the high demand on our faculty to make presentations at national and international clinical and research meetings. By all measures of research productivity, we continue to grow and to fulfill the mission of the Faculty of Medicine, and our own strategic plan. Well done to all those who have contributed to our academic progress.



Department Appointments Committee

Dr. Kevin Higgins (Chair)

The faculty members that served on the committee for the 2017-2018 academic year were: Kevin Higgins (Chair), Peter Adamson (Head, Div. of Facial Plastic and Reconstructive Surgery), J. Anderson (Chief, SMH), Paolo Campisi (HSC and Vice Chair Education), Danny Enepekides (Chief, Sunnybrook), Ralph Gilbert (Chief, UHN), R.V. Harrison (Vice Chair Research), Blake Papsin (Chief, HSC), Ms.V. Papaioannou (Head, Audiology Committee) , Ian Witterick (ex-officio)

The DAC are senior members of the department who provide advice to the chair and hospital chiefs regarding all initial status only, clinical adjunct, part-time and full-time appointments, as well as annual reappointments. Two performance reviews of all full-time academic appointments are conducted, first at 18 months then at the end of the probationary period which can be anytime between 3 and 5 years.

Approval of Full Faculty Probationary Term Review

On May 1, 2018 the DAC was unanimous in its recommendation to the chair that Dr. Monteiro be recommended to pass his 3-5 year probationary review Dr. Eric Monteiro successfully passed his review and was recommended to transfer into a continuing university faculty appointment.

Mid-Term Probationary Review

The DAC also conducted an 18 month review of Dr. Trung Le who is appointed as a Surgeon Investigator at Sunnybrook HSC. It is clear that Dr. Le is fulfilling his job description of an Otolaryngology-Head & Neck Surgeon – Investigator.

Approval of New Clinical Adjunct Faculty Appointments

Dr. Jerry Naiberg was appointed as a Clinical Adjunct faculty at the level of Lecturer, effective November 1, 2017.

Drs. Dupe Oyewumi and Tulika Shinghal were appointed as a Clinical Adjunct faculty at the level of Lecturer, effective July 1, 2017.

At the January 18, 2018 meeting, the committee approved Dr. Alex Osborn for a Clinical Adjunct faculty appointment.

Reappointment review of all Adjunct, Part Time and Status Only Appointments

The activity reports of all 69 clinical adjunct and part time faculty members were reviewed at the May 1, 2018 meeting. They were all successful in achieving reappointment for another year.

Department Promotions Committee

Dr. Robert V. Harrison (Chair)

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

The Department Promotions Committee membership reflects the full range of clinical sub-specialties in otolaryngology-head & neck surgery, as well as the special interests of our teaching hospitals. The committee for the 2017-18 cycle consisted of Peter Adamson, Jeremy Freeman, Ralph Gilbert, Jonathan Irish and Blake Papsin. The committee is advisory to our Chair, Ian Witterick (an ex officio member). Our committee is involved in all university promotion steps from the rank of Lecturer to Assistant Professor (junior promotions) and senior level stages through Associate to Full Professor.

Our committee is tasked to assess the academic progress of staff, and to recommend promotion of candidates. The final decisions about promotion are NOT made at the departmental level. This is the task of the Faculty of Medicine Decanal Promotions Committee. Our committee assists potential candidates to prepare documentation and coordinate external and internal peer assessments. I would like to thank all members of our committee for their careful and diligent work over the past year.

In the past year we congratulate two of our colleagues who have achieved well-deserved promotion from Assistant to Associate Professor: Dr. Molly Zirkle (St. Mike's) and Vicky Papaioannou (SickKids). Both candidates were successful by virtue of their outstanding creative professional activity (CPA) and their commitment to teaching and education in the university.

Achieving the rank of Assistant Professor we congratulate Dr. Jack Shahin for his continuing contributions to the teaching mission of our department.

Even though our department is dispersed throughout various teaching hospitals and research institutes, professorial rank is one of the more tangible reminders that we are part of a university family and that we have a common academic mission and more importantly, a shared collegiality.

Budget Advisory Committee

Dr. I. Witterick (Chair)

The Budget Advisory Committee aids the Chair in appropriately monitoring and structuring the financial affairs of the department, particularly related to academic stipends. Financial pressures have stabilized this year with no reduction in our base budget (the first time in a long time!). We strive to support new full-time faculty members at an enhanced level to create an environment that allows them to be academically productive.

Faculty members understand as we continue to have challenges with our budget. We have supported our education and research missions through philanthropy including endowed chairs and fund raising dinners, CPD revenues and we have been frugal with our budget expenditures.

I want to thank all members of the Budget Advisory Committee for their help and advice. A special note of thanks to Ms. Audrea Martin, our Business Officer, who continues to manage our finances in a commendable way.

Community Academic Faculty

Dr. Yvonne Chan (Lead)

The membership of this group of faculty has increased significantly in the last eight years as we take on a more expanded role in undergraduate and postgraduate education. This year, I would like to welcome the following new community academic faculty: Drs. Jerry Naiberg, Dupe Oyewumi, and Tulika Shinghal.

The community academic faculty continues to play an active and significant role in all levels of education and research within the department. At the undergraduate level, clinical teachers at all the academies are actively involved in the Integrated Clinical Experience and clerkship teaching. Medical students are also being supervised by our community faculty during clinical observerships, both pre-clerkship and clerkship. At the post-graduate education level, trainees continue to rotate through the Michael Garron Hospital, North York General Hospital, Trillium Health Partners, and William Osler Health System. PGY 4 residents have a 1- month rotation in facial plastic surgery. In addition to residency training, world renowned fellowships in facial plastic surgery are offered by Drs. Peter Adamson, David Ellis, Jamil Asaria and Oakley Smith.

Our community academic faculty is involved in continuing education & professional development of practicing otolaryngologists. We were involved in the planning and sponsorship of the successful 16th Annual Otolaryngology Update in February 2018 at the SickKids Peter Gilgan Centre for Research & Learning. Again, it was extremely well attended and highly rated by otolaryngologists across Ontario.

The *Distinguished Alumnus Award* this year was presented at the Percy Ireland Dinner in May 2018. This award is presented to an alumnus of the University of Toronto's otolaryngology - head & neck surgery residency program whose professional and ethical standards have been of the highest order. This year's award was presented to Dr. Everton Gooden.

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

Advancement Initiatives and Successes

Dr. Patrick Gullane (Lead)

Over the past year we continue to build on enhancing relationships with generous donors and friends to further the mission of our advancement goals. The process has again been positive in helping cultivate new relationships.

The donor brochure with a link to our department's website has helped donors and alumni navigate the system and make for a more friendly conduit for donations.

One of the major highlights of this year include a most generous donation in the amount of $1,500,000 from Dr. Raymond Ng and Wendy Chui Foundation for innovation in Otolaryngology-Head & Neck Surgery. $1,400,000 of this donation will be used to create an expendable fund, subject to the terms of the agreement, for the benefit of the Department of Otolaryngology-Head & Neck Surgery, in the Faculty of Medicine. This Fund will support students and faculty to focus on innovation, invention and commercialization. All of the awards are under the direction of the Chair of the department.

In addition $100,000 of this fund will be used to enhance the existing endowed Dr. Raymond Ng PhD award. This will be matched by the university through the Provost's PhD Enhancement Fund. The university match is applied in one increment of $100,000 of capital added to the fund on receipt of the gift. This enhanced fund continues to support the PhD students studying in the Department of Otolaryngology-Head & Neck Surgery. This provides the department a unique opportunity to explore new innovative research opportunities.

In addition to the above, the Harry Barberian fundraising evening event and many other smaller gifts from our alumni and faculty were raised in fiscal year 2017-2018 totaling over $150,000 for the department's priorities.

The following again highlights new donated funds to our department or affiliated hospitals over the past five years.

- Two new endowed Chairs
  - Gullane/O'Neil Chair ($3M)
  - Jordan and Lisa Gnat Family and Bastable-Potts Chair in Otolaryngology ($3M)
- One new term Chair: Nicole Muzzo Chair in Voice Research ($1.8M)
- Koerner Otology Research Funds at SHSC: > $2M
- New advancement funds for the UHN department - $5M (pledged)
- Harry Barberian Scholarship Fund: > $500K
- Bequests: > $400K
- Dr. Joseph K. H. Wong Smile China Project Lecture and Award: $240K
- Raymond Ng Awards: $200K
- OtoSim™ fundraising dinners: $200K
- Paul and Rose Allison: $100K to support Dr. Alain Dabdoub's lab at Sunnybrook
- Anonymous: $100K to support otology research at SHSC
- Mark Daniels: $70K (purchase of equipment for the Surgical Skills Centre at MSH/SHS)
- Wilf Goodman Award in FPRS: $50K
- The Arnold M. Noyek O.C. Awards: $50K

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

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

The department's mission therefore continues to be supported through the above many chairs funded in the department. The funds from these endowments are the financial engine that helps to support the research, educational and clinical initiatives that would not have been possible otherwise.

Finally we are indebted to the leadership of the many people in the department which include our Chair's untiring efforts, support, guidance and wisdom.

Quality and Safety Committee

Dr. Danny Enepekides (Chair)

The Quality and Safety Committee enjoyed another productive academic year. We continue to work diligently to achieve our strategic plan in quality and safety. I would like to thank our hardworking and engaged membership for their contributions. This year we welcomed Drs. Yvonne Chan, Vincent Lin and Praby Singh as new members of the committee.

The quality and safety speaker series continued this academic year. Our own Dr. Eric Monteiro set the stage for a great year with his outstanding presentation, "An introduction to patient safety".

On February 2, 2018 the department held the inaugural Quality and Safety Primer for Otolaryngologists. This meeting was held at Mount Sinai and was a wonderful success. Our invited speakers included Drs. Robin Mcleod (University of Toronto), Joe Dort (University of Calgary), Edmund Kwok (University of Ottawa), Lily Nguyen (McGill University), and Brian Wong (University of Toronto). The day started with a grand round presentation by Dr. Bob Bell on "Patients First – Creating the best health care system". The meeting was very well attended and received. I would like to thank our committee for organizing and supporting this event. Special thanks to Drs. Monteiro, Chan, and Singh for their leadership and contributions.

This year, Dr. Eric Monteiro was asked to sit on the University of Toronto Best Practice in Surgery Committee. We are very pleased to have an Otolaryngologist – Head and Neck Surgeon on this important committee and look forward to Eric's contributions.

The committee continues its work on evidence-based guidelines. This year we worked with our PGY1 residents to develop a guideline on the effective conduct of Morbidity and Mortality Rounds. We hope to have this completed early in the coming academic year.

Our department continues to provide leadership in quality and safety at the Canadian Society of Otolaryngology-Head and Neck Surgery. This year the 2nd meeting of the CSO Quality and Safety Committee took place in Quebec City. The meeting was chaired by myself and a clear path to engage our Canadian academic programs was developed. In addition, representatives of our committee gave two panel presentations at the meeting; "Quality Improvement 101 – A Primer for Otolaryngologists" (Monteiro, Singh, Eskander) and "Value in ENT Surgery – From Policies to the Bedside" (Monteiro, Singh, Eskander, Enepekides).

I would like to thank all of the members of this committee for their engagement and excellent work. I look forward to even greater success next year.

Departmental Divisions Membership

Departmental Divisions and Memberships

Division of Audiology

Head: Ms. Vicky Papaioannou

Julija Adamonis, Hailey Ainlay, Lora Carinci, Susan Druker, Carolyn Falls, Karen Gordon, Gina Goulding, Emma Leblanc, Laurie MacDonald, David Shipp, Kari Smilsky, Ian Syrett, Ken Williams, Jill Witte

Division of Head and Neck Oncology and Reconstructive Surgery

Head: Dr. Jonathan Irish

Dale Brown, Douglas Chepeha, John de Almeida, Danny Enepekides, Antoine Eskander, Jeremy Freeman, Ralph Gilbert, David Goldstein, Patrick Gullane, Kevin Higgins, Eric Monteiro, Al Vescan, Ian Witterick

Division of Facial Plastic and Reconstructive Surgery

Head: Dr. Peter Adamson

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

Division of Rhinology

Head: Dr. John Lee

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

Departmental Division Reports

Division of Audiology

Ms. Vicky Papaioannou (Head)

2017-18 marked the inaugural year of the Division of Audiology within the Department of Otolaryngology-Head & Neck Surgery. The division was established in June of 2017 from the previous Audiology Committee. The division is composed of a group of fifteen audiologists dedicated to supporting research, undergraduate education, postgraduate education and continuing medical education within the department. The annual division meeting took place in March 2018 and most members were able to attend. A variety of collaborations were discussed including teaching, CPD courses and research. Members of the division under the leadership of Susan Druker provided audiology teaching as part of the otolaryngology curriculum for undergraduate medical students. The core lecture series for otolaryngology residents took place in September 2017 and "Audiogram of the Month" continued throughout the academic year and once again included vestibular as well as audiological cases. Kids2Hear, a health initiative whereby undergraduate medical students provide school-based hearing and otoscopy screening for elementary school children enjoyed another successful year. Medical students and many members of the department including audiologists, fellows, surgeons and residents participated in hearing screening at six different Toronto elementary schools. The Division of Audiology brought in Dr. Ari Bitnun to present at the Annual Krista Riko Lecture this year. Dr. Bitnun presented on congenital CMV and the upcoming changes to the provincial Infant Hearing Program.

Division of Facial Plastic and Reconstructive Surgery

Dr. Peter Adamson (Head)

It is my pleasure to report on the activities of the Division of Facial Plastic and Reconstructive Surgery for the academic year 2017-2018. Presently we have 18 members, including Professors Peter Adamson, Douglas Chepeha, David Ellis and Ralph Gilbert; Associate Professors Krzysztof Conrad, Danny Enepekides, Andres Gantous, David Goldstein and Kevin Higgins; Assistant Professors Michael Brandt, Robert Mounsey and Oakley Smith; and, Lecturers Ashlin Alexander, Jamil Asaria, Nitin Chauhan, Xerxes Punthakee, Richard Rival and Philip Solomon.

Our division has enjoyed excellent support throughout the year not only by the many contributions of our faculty members but also of our departmental administrative staff. These include Andrea Donovan, Audrea Martin and Sonia Valente. On behalf of everyone in our division, I express my appreciation and gratitude to them. We continue to have enjoyed the outstanding leadership of our Chairman, Professor Ian Witterick, and our Director of Postgraduate Medical Education (PGME), Professor Paolo Campisi. Dr. Yvonne Chan, as Head of Continuing Professional Development, has promoted our CPD course.

Division FPRS Continuing Professional Development Courses

Dr. Michael Brandt, assisted by Drs. Yvonne Chan and Peter Adamson, created the CPD course, Lumps, Bumps and Looks in the Head and Neck which was held March 24, 2018 at the Mount Sinai auditorium. This course, although only in its second year, has received excellent reviews from its participants, these primarily young family practitioners. Oculoplastic Surgery and Dermatology were also included in the program which emphasized pathology. There were over 80 attendees. Division members who presented included Michael Brandt and Richard Rival.

Postgraduate Teaching and Mentoring

Drs. Alexander and Brandt co-directed the two Soft Tissue Dissection courses which were held December 4, 2017 and February 5, 2018. Drs. Adamson and Conrad participated in the teaching. A definite improvement in soft tissue surgical skills, especially relating to the management of scars and planning of local flaps, is being realized.

The traditional Rhinoplasty Dissection course was held April 30, 2018 at the Mount Sinai surgical skills laboratory, this led by Dr. Adamson. Drs. Asaria, Gantous, Conrad, Rival, Solomon and fellows Eric Carniol and Nizar Taki participated in teaching.

The PGY4 one-month resident rotations have continued with Drs. Alexander, Asaria, Brandt, Conrad, Gantous, Rival, Solomon and Adamson participating.

The core curriculum in FPRS continues to be revised by Dr. Asaria with assistance from Dr. Alexander. This is being done with a view to complying with the new Competency by Design curriculum and creating more interactivity. The core curriculum will be presented in the fall of 2018 and the examination will be updated to reflect the new curriculum. Numerous members of the division participated in preparing the PGY5 residents for the Royal College of Surgeons examination. Dr. Adamson presented on preparation for the

examination and facial plastic surgery. Drs. Brandt and Gantous also gave lectures to the residents. Mock oral examinations were carried out on April 3, 2018 with the assistance of Drs. Asaria, Brandt, Rival, and Dr. Adamson's fellow, Dr. Eric Carniol. Dr. Alexander and Dr. Brandt had teaching sessions using case-based oral protocols for the PGY5s.

A Facial Plastic and Reconstructive Surgery Journal Club was held September 18, 2017. This was chaired by Dr. Brandt and supported by clinical fellows Dr. Eric Carniol and Dr. Nizar Taki.

Drs. Adamson, Asaria and Smith participated in the American Academy of Facial Plastic and Reconstructive Surgery (AAFPRS) fellowship programs, these fellowships are also recognized and sponsored by our University of Toronto Department of Otolaryngology-Head & Neck Surgery. Dr. Adamson will be discontinuing his fellowship as of June 30, 2018. Other faculty in the division have expressed interest in beginning new fellowship programs and these are being supported, recognizing the significant requirements to meet the standard criteria and the rigorous application process. This year's clinical fellows included Dr. Eric Carniol with Dr. Adamson, Dr. Nizar Taki with Dr. Asaria and Dr. Walaa Abousheleib with Dr. Smith.

In addition, numerous members of our faculty, including Drs. Asaria, Conrad, Smith, Solomon, Rival, Ellis and Gantous continue to have international residents, fellows and practicing surgeons visit them on a regular basis as observers.

Faculty Member Activities

The division meeting was held at North 44 restaurant on Wednesday, April 25, 2018.

The majority of the division faculty have been active in publication, peer-reviewing articles, teaching and administrative work in a variety of fora. Dr. Gantous continues to publish and has made numerous international presentations. As well, he has represented Canada on the Boards of the American and Canadian Academies of Facial Plastic and Reconstructive Surgery and the International Federation of Facial Plastic and Reconstructive Surgery. Dr. Asaria published a video textbook on injectables, has been active by speaking at home and abroad, and is on the Board of the AAFPRS and Guest Examiner for the ABFPRS. Dr. Brandt reviews for several journals and is active by representing OHNS in the Ontario Medical Association and Canadian Society of Otolaryngology - Head & Neck Surgery. Dr. Rival continues as President of the Canadian Academy of Facial Plastic and Reconstructive Surgery. Drs. Solomon and Higgins also represent OHNS at the OMA in a variety of positions. Dr. Adamson continues as President of the International Board for Facial Plastic and Reconstructive Surgery, leading examinations in Washington and London annually. He is a senior advisor on the ABFPRS Board. He is also at the forefront of developing an international fellowship program as well as teaching at numerous international courses and participating in programs as visiting professor at Canadian and international universities. He continues on the International Advisory Board for JAMA FPRS and as President of the Face the Future Foundation, participating in several overseas humanitarian missions.

Humanitarian Activities

Dr. Khalid Almilaji was the Joseph K.H. Wong lecturer on January 12, 2018. He has received international recognition for his efforts in establishing hospitals and treating the injured in the Syrian civil war.

Dr. Adamson was the Chef de Mission for major missions of the Face the Future Foundation to Kigali, Rwanda, February 25 - March 3, 2018 and Ulyanovsk, Russia, April 9 - 14, 2018. There were 17 members on the Kigali mission where major reconstructive and microvascular procedures were carried out for congenital, traumatic and oncologic conditions. There was a team of seven to Ulyanovsk for microtia and nasal reconstruction as well as paediatric general surgical and urological conditions.

The foundation had pilot missions to Addis Ababa, Ethiopia and to Santo Domingo, Dominican Republic and are planning new missions to those countries. It is hoped and expected there will be future opportunities for residents to participate on

these missions with support from the Joseph K.H. Wong Fund.

Honours and Awards

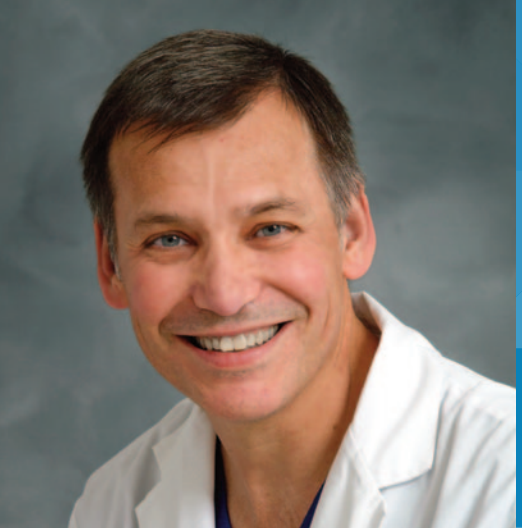
Dr. Adamson's fellow, Dr. Eric Carniol, was awarded the Wilfred Goodman Award and the Krzysztof Conrad Award for his research papers.

Future Directions

Our division will continue to seek ways to realize the appointment of a full-time academic facial plastic and reconstructive surgeon in one of the major teaching hospitals. We will continue to work with the Dean's Office to create a pathway for our faculty members to have access to IRB's for research. Our substantial contributions to postgraduate education will continue with further development of the curriculum and examination as well as the dissection courses. The PGY4 rotations, already well received, will continue to be refined. The division would like to increase our FPRS content in the undergraduate medical curriculum.

It is hopeful that not only residents, but also faculty within our division, can be encouraged to participate in Face the Future™ and other humanitarian activities both at home and abroad. We shall continue to explore potential development opportunities that will benefit our division and our department.

Finally, this year will mark a decade of my position as Head of our Division. As I transition out of my surgical practice to focus on developing my Face the Future Foundation and leading more international humanitarian missions, I will be passing the leadership of our division on to a new Head. It has been a distinct privilege, an honour graciously received, and an absolute pleasure to have had the opportunity to lead our division and work alongside our esteemed Chairman, Dr. Witterick, and members of the Executive Committee of our department. Our contributions have been significant and our growth admirable. I extend my deepest appreciation and gratitude to each and all who have provided me support, guidance and wisdom throughout my tenure.



Division of Head and Neck Oncology and Reconstructive Surgery

Dr. Jonathan Irish

This year has been a significant year for the division. Dr. Ralph Gilbert completed his term as Division Head. During Dr. Gilbert's tenure the division became stronger clinically and academically with continued strong commitments to post-graduate education in head and neck surgical oncology. Thanks to Ralph for his guidance and leadership for the past 10 years.

Dr. Jonathan Irish has taken the Division Head position and over the first 6 months the division took the opportunity to complete a strategic planning process. This has resulted in a reinvigoration of the research mission of the division. Dr. John de Almeida has taken the division lead for the research portfolio and Dr. Tony Eskander is the site lead for Sunnybrook and is the Health Services Research lead, Dr. Eric Monterio is the site lead for Mount Sinai Hospital and is the Safety and Quality Research lead, Dr. David Goldstein is the site lead for UHN and is the Outcomes Research lead. Dr. Doug Chepeha is the Clinical Trials lead and Dr. Al Vescan is the Skull Base research lead.

The division directs the 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. The program continues to be committed to the development and training the future leaders of our sub-specialty. Dr. Jeremy Freeman will continue as the Fellowship Director and a Fellowship Steering Committee chaired by Dr. Irish and comprised of Drs. Freeman, Chepeha and Higgins will provide governance and oversight to the program. One of the major initiatives led by Drs. Higgins and Chepeha is to renew the Fellowship Education Curriculum. This process will incorporate similar initiatives at the Canadian Society and American Head and Neck Society levels.

This year the graduates of our Fellowship Program include Dr. Peter Vosler who will take up a staff position at Johns Hopkins in Baltimore, Dr. Ryan McSpadden who will take up a staff position at Roswell Park in Buffalo and Dr. Gian-Marco Busato who will take up a position in the Greater Toronto Area community and Dr. Wael Hasan.

From a clinical care perspective the 3 head and neck centres under the University of Toronto umbrella are large volume centres by any measure.

The Princess Margaret Cancer Centre at the University Health Network is the largest regional program in Canada with 7 full time head and neck surgical oncologists (Drs. Patrick Gullane, Ralph Gilbert, Dale Brown, Jonathan Irish, Douglas Chepeha, David Goldstein and John de Almeida). The Princess Margaret Head and Neck Program provides a complete spectrum of head and neck services including endocrine, microvascular surgery and minimally invasive approaches including robotic surgery. The program has a strong multidisciplinary translational research program, with four core labs focused on different aspects of head and neck oncology. This program has been strongly supported by the Princess Margaret Cancer Foundation with key donations from the Joe Findlay Fund, Wharton Family with donations and endowments from the Sullivan, Thomas, Galloway, Elia and Dorrance families.

The Mount Sinai Hospital (MSH) has had a strong collaborative program with the Princess Margaret including multidisciplinary clinics, collaborative research and collaborative clinical care. The MSH continues to offer tertiary/quaternary head and neck services with an internationally acclaimed program in endocrine oncology initiated by Dr. Jeremy Freeman. Drs. Witterick, Vescan, de Almeida and Monteiro in collaboration with the UHN neurosurgery group provide a world-class program in MIS skull base surgery at Mt. Sinai and the Toronto Western Hospital. The Mt. Sinai site has an active and 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. This year the Sunnybrook group recruited Dr. Tony Eskander to a faculty position. Tony is well known to our division having completed his residency at the University of Toronto and then a head and neck oncology and microvascular reconstruction fellowship at the Ohio State University. Tony brings to the division and to the Sunnybrook unit an expertise in Health Services Research with strong collaboration with ICES and will be a valuable addition to Sunnybrook's already strong program and to the division's research program. The group at Sunnybrook also has a major presence in the Odette multidisciplinary Skin Malignancy Site Group. Dr. Kevin Higgins is the site chair for Head and Neck at Sunnybrook. The group continues to collaborate with UHN and has an active research program in molecular imaging and outcomes research. Dr. Danny Enepekides is the Head of Surgical Oncology at the Odette Cancer Centre at Sunnybrook, one of the leading departments in the country.

The division had a very productive academic year. Our collaboration with the Memorial Sloan Kettering Cancer Center in New York and the MD Anderson Cancer Center in Houston in presenting the annual Current Concepts Meeting continues and involves a broad spectrum of our faculty. The meeting in New York this year was very successful with broad representation from our surgical group. The meeting in November of 2018 will be hosted by the University of Toronto.

The division members continue to be highly sought after speakers with presentations in the past year at a number of high profile head and neck meetings including; AHNS, and numerous national and international societies. This year Dr. Ian Witterick completed his term as President of the North American Skull Base Society. Ian presided over a very successful annual meeting in San Diego. Dr. Jon Irish completed his tenure as President of the American Head and Neck Society and the AHNS Meeting in Washington DC featuring a strong Canadian flavour. Dr. Enepekides was Program Co-Chair of the meeting and Drs. Gilbert and Witterick were recognized with presidential citations for their leadership in head and neck surgical oncology. This year Dr. Ralph Gilbert will complete his term as President of the International Academy of Oral Oncology and will oversee the 7th World Congress of the IAOO in Rome in September 2019.

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

Division of Rhinology

Dr. John Lee (Head)

2017-2018 marked an incredibly busy year for the Division of Rhinology. First, I want to welcome Dr. Nik Wolter as a member, who is the department's newest paediatric otolaryngologist at the Hospital for Sick Children. Nik was a former resident and completed his fellowship at Boston Children's Hospital. He has taken on an interest in paediatric rhinologic disease and we are excited to have his expertise within our division.

Education

This past academic year saw our division run many educational events for our department. The keynote event was Rhinology Update which was held April 6-7, 2018. This was a 2-day sinus surgery course with Drs. David Kennedy and Elina Toskala as our guests of honour. Co-directed by Drs. Yvonne Chan, John Lee and Allan Vescan, this meeting was a resounding success and it showcased the vast amount of rhinologic expertise within our division with a number of members lecturing as well as participating on panels (Drs. Lee, Chan, Vescan, Witterick, Banglawala, Dalgorf, Gevorgyan, Leung, and Monteiro). We had great feedback from all attendees and we look forward to planning the next course in a couple of years.

On April 28, 2018, members of our division also ran the annual resident sinus surgery course at the Surgical Skills Centre of Mount Sinai Hospital. Once again, we had an outstanding turnout with 7 faculty members and over 20 resident trainees. This educational event co-led by Drs. John Lee and Allan Vescan continues to be one of the highest rated courses by our residents. We thank all the members of our division who took time out of their busy Saturday to come and support this important training initiative.

Finally, this past year, several members of our division gave lectures during the rhinology core teaching sessions for PGY 2-4 residents. This is an integral part of the lecture series for our trainees as they build their foundational knowledge for their royal college exams. I would like to thank Drs. Banglawala, Chan, Dalgorf, Vescan, Witterick, and Wolter for their time and commitment to teaching our residents.

Research

Last year, our division was fortunate to receive a Harry Barberian grant to prospectively study olfactory outcomes following endoscopic sinus surgery. This past year, in consultation with all members of our division, we were able to formulate a defined research protocol for this study which has been submitted and is currently under review by the research ethics board at many of our participating hospitals. This work would not have been possible without the help of our PGY-1 resident Dr. Terence Fu. We anticipate that we will obtain full REB approval in the next couple months and we hope to start recruiting patients beginning in the early fall. The progress of this study is an example of the collaborative nature of our division and our ability to work across multiple institutions.

Individually, several of our division members continue to publish original work in both rhinology and skull base surgery. There have been a number of scientific oral and poster presentations given at the American Rhinologic Society (ARS), North American Skull Base Society (NASBS), the European Rhinologic Society (ERS) and also the Canadian

Society of Otolaryngology-Head & Neck Surgery (CSOHNS).

Member Activities

This past year saw many of our division members play important roles in many national and international societies. Most notably, Dr. Ian Witterick was President of the NASBS and hosted one of the most successful annual meetings in its history. Dr. Yvonne Chan was voted in as Vice Chair of the Rhinology Working Group of the CSO-HNS. I was honoured to serve on the scientific program committee of the CSO-HNS annual meeting and also on the awards committee of the ARS. Additionally, many of our members offer their expertise and time as manuscript reviewers for many of the top rhinology journals in our field. I want to personally thank each member of our division for their continued great work and also their collegiality in making this a wonderful group to be part of.

Hospital Reports

Hospital for Sick Children

Dr. Blake Papsin (Otolaryngologist-in-Chief)

The winds of change, much as they are across all of health care in Ontario, are sweeping across Otolaryngology – HNS at SickKids. We have just begun using a new electronic health record. We have a new surgeon-in-chief, departmental administrators, fellowship program, resource limitations yet still we hold on to our mission of caring for the children of Ontario. We continue to try, despite the changes around us to protect Ontario's children from the diminishing access to care. Some things will never change.

This past year, our department welcomed Dr. Nik Wolter as a full time consultant. His focus is on sinonasal disease and lesions of the central skull base. In addition, Nik is taking some of the load related to airway reconstruction and surgical disease of the head and neck in children. He has developed a basic science focus along with his wife Dr. Jenny Wolter and Dr. Alex Osborn looking at molecular signalling in vascular tumours in children. He has recently received peer-reviewed funding to support his work in addition to the support which he receives from the Jordan and Lisa Gnat Family and Bastable-Potts Chair in Otolaryngology-HNS.

The other consultant staff continue to produce academically far beyond the time allotted for them to do so. This year alone they have produced in excess of 60 peer-reviewed journal articles and 15 book chapters. They have delivered over 70 invited lectures many of which were keynote or invited lectures at meetings across the globe. They have won awards for lifetime achievement and teaching. They continue to lead the profession.

Our fellowship program has expanded and now have two fellows in addition to a number of senior trainees who have arranged to have shorter assignments at our hospital. In keeping with the theme of constant change the department, including the residents and consultant staff are working to adjust to the new number of fellows and the wealth they bring to our program. Our graduating fellows this year have taken posts in Israel, the United States, Saudi Arabia, England and here in Brampton. We are extremely proud of this group of trainees. We continue to recruit the top ranked candidates as the profile of our program continues to rise based on the quality of tuition provided by our team and university. Our focus continues to be on training our residents and our department continues to adjust to ensure that resident training at SickKids adequately prepares our future otolaryngologists.

The organization is planning to break ground for the first of many new infrastructure projects that will hopefully transform our ability to care for children well into the future. The first new building will be a clinical building which will house administrative and clinical offices. This first phase of redevelopment of our campus is slated to begin in October 2018.

From the perspective or our staff, trainees, resources and planned physical space, our hospital department seems well positioned to continue to function at an extremely high level and contribute significantly to our university and community.

The remainder of the consultant staff have continued to execute their academic and clinical activities prodigiously. In addition to providing superb clinical care, our departmental members have spoken across the province, country, and globe sharing best

practices and the basic science research they have conducted here. Dr. Propst hosted the 6th Toronto International Pediatric Endoscopic Course and the 2nd Toronto International Open Airway Surgery Course at the Peter Gilgan Research and Leaning Tower with students from far and wide. Drs. Propst, Campisi, James and Cushing continue to teach widely and publish their work regularly. The work of Drs. Gordon and Harrison has also been expansive over the past year and is detailed in their independent laboratory reports.

The department at SickKids remains healthy and increasingly able to efficiently deliver high quality paediatric Otolaryngology-HNS care to Ontario's children in addition to fulfilling the academic mission of our university department. We are well positioned for another successful year.

Michael Garron Hospital

Dr. Al Chiodo (Otolaryngologist-in-Chief)

Hospital/Patient Programs

Our department divides its surgical services between outpatient and inpatient surgical services spanning the subspecialties of paediatric otohns, otologic surgery, sinonasal surgery, facial plastic surgery and head and neck endocrine surgery. Not including the evening and weekend emergency visits, over 6000 clinic visits were recorded for our department last year.

This fiscal year has seen the growth of the Thyroid Program under the direction of Dr. Antoine Eskander and the continued efforts of Drs. Chiodo, El Masri, Enepekides, Higgins and Hubbard. One major component of the program is the Thyroid Diagnostic Assessment Unit which is a multidisciplinary initiative joining together the specialties of otolaryngology-head and neck surgery and endocrinology. The Thyroid Diagnostic Unit allows us to provide patients with ultrasound needle biopsy services along with multi-disciplinary consultations.

The addition of Dr. Eskander's head and neck surgical expertise has allowed us to expand our abilities to deal with complex thyroid and salivary gland malignancies along with facial cutaneous malignancies. In our sinus surgery program, Drs. Chiodo, Hubbard and El Masri continue to offer image guided sinus surgery to our community. Dr. Hubbard's otology clinics along with our vestibular lab has allowed our department to offer patients in the MGH catchment area with otologic surgery services including mastoidectomy and middle ear surgery. In our facial plastic surgery program, Dr. Smith's surgical focus on nasal reconstruction is providing expert patient services along with fellow and resident teaching.

Our inpatient volumes were over 600 cases last year. The majority of inpatient volumes consisting of paediatric inpatient surgery and head and neck surgery. The bulk of the head and neck surgery arises from our Thyroid Program. Our day surgery volumes were over 800 cases last year.

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

Education

a) Undergraduate Medical Education

Dr. Hubbard has continued to be the assistant director of undergraduate medical education within our university department. He has had a key role in the development of the new pre-clerkship undergraduate otolaryngology-head and neck surgery curriculum at the university. The hospital department is involved in courses at every level of undergraduate training including the Clerkship, the Longitudinal Integrated Clerkship (LInC) and the Transition to Residency course. We have had 24 clerks including 4 clerks from the LInC program rotate through the department. We have had numerous elective and selective students from the University of Toronto this year including 2 students

from the Royal College of Surgeons, Dublin. MGH/TEHN has consistently scored very high for rotation and teacher effectiveness for the clerkship.

b) Postgraduate Education

Our department has participated in the residency program since the early 1990's with regular rotations starting in 1999. Dr. Hubbard represents our hospital on the university department's Residency Program Committee. We have consistently had high rotation effectiveness scores and teacher effectiveness scores year after year. Residents continue to have high surgical volumes as primary surgeons in paediatric, sinus, otologic, endocrine and facial plastic surgeries. The resident continues to maintain a well-attended resident clinic in community otolaryngology-head and neck surgery. Furthermore, we have about 35 family practice residents rotate through our department clinics on a yearly basis. Dr. Chiodo received the John Fowler Teaching Award this year which is the highest teaching honour at Michael Garron Hospital.

c) Fellowship and Continuing Medical Education

Our department has been actively involved in continuing education with our hospital's Department of Family Medicine's continuing medical education activities including the resident lecture series. Furthermore, Dr. Smith continues as a fellowship supervisor for the American Academy of Facial Plastic and Reconstructive Surgery.

Research Initiatives

Dr. Eskander has been involved with health services research and quality improvement as a research scientist at the Institute for Clinical Evaluative Sciences. He has successfully published 15 peer reviewed publications with 5 book chapters. From a thyroid perspective, he has completed a study on the impact of NIFTP on incidence and survival after thyroidectomy in Ontario and has embarked on a study on patient and staff satisfaction with the Thryoid DAU. He is currently using provincial data to study outpatient thyroidectomy and the impact of Cancer Care Ontario's Quality Based Program on thyroid surgery quality metrics in Ontario. Drs. Eskander, Chiodo, Hubbard and El Masri are completing a study on institution-specific role for PTH monitoring post total and completion thyroidectomy for decreasing length of stay. Furthermore, we have initiated a study to optimize surgical tray efficiency as a means of reducing perioperative costs in otolaryngology-head neck surgery. Drs. Hubbard and Chiodo have completed a study on the development of an intake tool for dizziness patients in the emergency department. This project attempts to streamline and improve patient access to care by obtaining important information regarding their presenting complaint as they wait in the emergency department. Moreover, Drs. Chiodo and Hubbard have just initiated a study on the cost-analysis of cancelled surgical procedures in a community-based teaching hospital. Finally, Dr. Smith has completed a retrospective review of rapidsorb miniplate use in septoplasty reconstruction which has been accepted for presentation at the upcoming American Academy of Facial Plastic and Reconstructive Surgery annual meeting.

North York General Hospital

Dr. Everton Gooden (Otolaryngologist-in-Chief)

North York General Hospital (NYGH) is one of Canada's leading community academic hospitals and offers a wide range of acute care, ambulatory and long-term care services at three sites: the general site (4001 Leslie Street); the Branson Ambulatory Care Centre (555 Finch Avenue West); and Seniors' Health Centre (2 Buchan Court). Our regional programs serve all of south central Ontario.

In March of 2017, the hospital announced it would be decanting all the programs and services from the Branson Ambulatory Care Centre to other locations. We are in the final stages of transitioning these services from the Branson Ambulatory Care Centre.

We are in the early stages of a multi-year capital redevelopment project to expand and modernize the hospital and to build a new ambulatory care centre at the Leslie Street site.

Dr. Tim Rutledge stepped down as president and CEO in March 2018 and has taken on the position as president and CEO at the newly formed health network comprised of Providence Health Care, St. Joseph's Health Centre and St. Michael's Hospital. The Board of Governors is in the process of selecting a new Chief Executive and the expectation is that a new President and CEO will be named in the fall of 2018.

Faculty

The Division of Otolaryngology-Head & Neck Surgery at NYGH is staffed by four full time surgeons (Drs. Gooden, Goldfarb, Shah and Kandasamy) providing clinical care in all areas of otolaryngology.

Dr. Michal Brandt, Dr. Vinay Fernandes and Dr. Gordon Soon provide clinical care in our ambulatory clinic. Dr. Andrew Ma will be joining our locum group for 6 months prior to him going to Australia to start his fellowship.

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

Our division continues to attract family medicine resident and our faculty continues to be very active in teaching within the family medicine resident program.

Leadership

Dr. Gooden continues as a director of the Foundation Board of Governors and will continue as chair of both the Physician Campaign and the Development Committee of the Foundation Board.

The foundation has raised more than 150 million dollars to date in the current campaign for North York General Hospital.

Dr. Manish Shah continues his role with the Medical Staff Association as the surgical program representative and continues to provide leadership as our education coordinator. He also continues to sit on the Department of Otolaryngology Quality and Safety Committee.

Education

We continue to participate regularly in the undergraduate otolaryngology teaching (ICE and clerkship teaching) including the Transition to Clerkship Program and the Longitudinal Integrated Clerkship Program. We have continued our partnership with the Hospital for Sick Children by having the PGY3 resident participate in our surgical program one day per week and starting July 1, 2018 the PGY2 residents will commence 4 week rotations.

Our division ranked 2nd in rotation evaluation scores and teacher evaluation scores at U of T.

Sinai Health System

Dr. Ian Witterick (Otolaryngologist-in-Chief)

Mount Sinai Hospital (MSH), Joseph and Wolf Lebovic Complex is part of Sinai Health System (SHS), a 442-bed acute care academic health sciences. In 2015, Mount Sinai amalgamated with Bridgepoint Active Healthcare, and together with Circle of Care and the Lunenfeld Tanenbaum Research Institute, formed SHS.

MSH is the first hospital in Canada to receive Magnet® status for nursing excellence and patient care issued by the American Nurses Credentialing Center. It is also currently designated with **Exemplary Status** by Accreditation Canada, the highest designation.

MSH has approximately 29,000 admissions and 63,000 emergency visits each year. We have over 1200 nurses and over 4500 staff working each day. The Lunenfeld-Tanenbaum Research Institute, part of SHS, is a leading biomedical research centre, ranking amongst the top biomedical research institutes in the world.

SHS has six flagship programs: Women's and Infants' Health, Rehabilitation, Chronic Complex Disease Management, Healthy Aging and Geriatrics, Specialized Cancer Care and Emergency Medicine. Our department has played an integral role in the specialized cancer care program and by head and neck oncology volume funded numbers plus thyroid quality based procedures, we are the second busiest head and neck unit in Ontario.

We continue to see a large volume of general and subspecialty patients (endocrine, sinus, skull base, head & neck oncology, larynx and mouth disorders) with over 19,000 clinic visits in 2017-18. The otolaryngology-head & neck surgery clinics are located in two adjacent areas on the 4th floor of MSH. Starting in September 2018, one clinic will be temporarily relocated for approximately four months while construction on the adjacent emergency department driveway starts including installation of new ventilation equipment. The renovations are part of "Renew Sinai", a $460M multi-year capital redevelopment project. This will result in new clinic space, a new and expanded emergency, operating rooms and intensive care unit which will transform the hospital's facilities.

The SHS Audiology Department was closed by the hospital in early 2017 because of financial pressures. Although a long time in coming, we hope to have audiology back up and running through HearingLife Canada in September 2018.

Our Faculty

The five full-time clinical faculty are Drs. Jerry Chapnik, Jeremy Freeman, Eric Monteiro, Allan Vescan and Ian Witterick. Part-time faculty include Drs. Robert Burke, Yvonne Chan, Kris Conrad, Taryn Davids, John de Almeida, Vinay Fernandes, Arnold Noyek, Xerxes Punthakee and Manish Shah.

There is an active basic science research program developing biomarkers for oral and thyroid cancers.

Drs. Monteiro and Witterick continue to work in a multidisciplinary head and neck oncology clinic at

Princess Margaret Cancer Centre. The multidisciplinary skull base clinic led by Dr. Allan Vescan is running well; this is a collaborative effort between our department, neurosurgery (Drs. Gelareh Zadeh and Fred Gentili) and endocrinology (Rowena Rideout). Surgical care is carried out at Toronto Western Hospital. Endocrine oncology collaboration is evident with close ties between our department led by Dr. Jeremy Freeman and the Division of Endocrinology (Drs. Karen Gomez-Hernandez and Afshan Zahedi). Multidisciplinary thyroid oncology rounds are held regularly.

Drs. Taryn Davids and Manish Shah along with Speech Language Pathologist Mr. Tim Poon regularly conduct multi-disciplinary voice clinics and Drs. Yvonne Chan and Iona Leung (Dentistry) continue to run regular Mouth Clinics for the management of patients with challenging mouth disorders.

We were very sad to learn of the passing of Dr. Paul Walfish on July 28, 2018, our endocrinology partner for so many years (see also the Chair's Report). Dr. Walfish was the recipient of the Order of Ontario and Order of Canada for his work in thyroid medicine. He was an internationally acclaimed thyroid endocrinologist with clinical and basic science breakthroughs. A brilliant and lateral thinker, we will all sadly miss his probing mind and natural inquisitiveness.

Education

Sinai Health System remains a popular rotation with residents and fellows judging by the very high teaching and rotation effectiveness scores. It is a popular elective for medical students and we have a large number of international observers. We provide off-service rotations for PGY1 residents in other specialties including Anesthesia, Ophthalmology and Vision Sciences, Pathology and Radiation Oncology.

Dr. Vescan leads the undergraduate medical education program for SHS and the University department, Dr. Monteiro leads postgraduate education for SHS and Dr. Freeman administers the head & neck oncology fellowship program. Over the 2017-18 academic year, Dr. Freeman mentored Drs. Gian-Marco Busato and Sam Flatman as Head & Neck Oncology fellows. Drs. Witterick, Vescan and Monteiro mentored Dr. Jay Wong as the Rhinology, Skull Base and Head & Neck Oncology fellow.

Drs. Freeman and Witterick were on the steering committee for the 3rd World Congress on Thyroid Cancer held in Boston MA July 27-30, 2017. This was a very successful meeting with more than 1400 attendees from 72 countries. Dr. Freeman organized the 16th Annual Morley Binstock University of Toronto-Mount Sinai Hospital Lecture in Head and Neck Oncology and Visiting Professor, Department of Otolaryngology-Head & Neck Surgery University of Toronto on May 3, 2018. The guest lecturer was Dr. Bryan Haugen, Division of Endocrinology, Metabolism and Diabetes, University of Colorado whose lecture was titled "2015 ATA Thyroid Nodules and DTC Guidelines: A Perspective from the Chair". He gave university departmental Grand Rounds the following day titled "Definition and Management of Patients with Radioiodine-Refractory Thyroid".

Dr. Monteiro continues to be very active in quality and safety initiatives. He is teaching at the University of Toronto's Centre for Quality Improvement and Patient Safety (CQIPS) and is the Associate Course Director for their Certificate Course. He is involved with the Royal College's ASPIRE2 program, a "train the trainer" program educating colleagues at other universities on how to incorporate patient safety and education into residency training.

Awards

Congratulations to Dr. Yvonne Chan who received the university department's "Faculty Teacher of the Year Award" as voted on by all residents, fellows and faculty. Dr. John de Almeida won the Robert M. Byers Award for Best Clinical Research Paper at the 2018 Annual Meeting of the American Head & Neck Society (AHNS) as well as an Excellence in Teaching Award (Postgraduate) from the Wightman-Berris Academy, Faculty of Medicine, University of Toronto. Dr. Ian Witterick received a Presidential Citation at the 2018 Annual Meeting of the AHNS "in recognition of your contributions to Head and Neck Surgery and to Medicine".

Congratulations to Dr. Mirko Manojlovic Kolarski who won Category 3 at our university department's annual resident research day for his project: "Face Validity, Learning Curve, and Predictive Validity of Virtual Reality Simulator for Sinus Surgery" with mentors including Drs. Eric Monteiro and Allan Vescan.

Leadership

For the university department, Dr. Witterick continues in his second term as Chair. Also for the university department, Dr. Vescan is Director of Undergraduate Medical Education, Dr. Yvonne Chan is Director of Continuing Professional Development and the Community Academic Faculty. Dr. Jeremy Freeman directs the Head & Neck Oncology Fellowship program. Dr. Chan has assumed the role of Chief of the Division of Otolaryngology-Head & Neck Surgery at Trillium Health Partners and was elected as the CPD/CME Chair for the Canadian Society of Otolaryngology-Head & Neck Surgery (CSO-HNS) and as the Tariff Chair for the Ontario Medical Association's Section on Otolaryngology-Head & Neck Surgery.

Dr. Witterick completed his term as President of the North American Skull Base Society in February 2018 with a successful annual meeting in Coronado, CA. He is 1st Vice-President for the CSO-HNS and currently is the Chair of the Medical Advisory Committee for SHS. He is Deputy Speaker for Faculty Council for the University of Toronto's Faculty of Medicine.

Advancement

The SHS Foundation and a grateful family led by Mr. Arron Barberian organized the 6th Annual Harry Barberian Memorial Dinner on May 7, 2018. The funds provide research scholarships to residents, fellows and faculty in the university department through a competitive peer-reviewed grant mechanism.

The Da Vinci Gala held on May 30, 2018 marked the 13th anniversary. The event has raised over $5.5 million for the Joseph and Mildred Sonshine Family Centre for Thyroid Cancer Care and Research as well as the Alex and Simona Shnaider Centre for Molecular Oncology at Mount Sinai Hospital. The Da Vinci Gala honoured Paul and Gina Godfrey this year with special tributes for Dr. Paul Walfish. We are very grateful to Ms. Daisy Tse (Advancement Director), Mr. Louis de Melo (CEO) and others from the Sinai Health Foundation for their help and support.

In summary, we had another very successful year and continue to shine clinically and academically. I am most thankful to our committed faculty, learners, nurses, administrative staff and allied health professionals who make our hospital so great and an amazing place to work. The Sinai Health System leadership is very supportive of our department and our programs.

St. Joseph's Health Centre

Dr. Rick Fox (Otolaryngologist-in-Chief)

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

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

Dr. Witterick has successfully completed his term as president of the North American Skull Base Society. He also continues his work with the CSO. He has been re-appointed Chief, Otolarygology-Head and Neck Surgery at Mt. Sinai Hospital. Dr. Gantous has been involved in various facial plastic surgery courses, both nationally and internationally.

Dr. Kolenda has continued his work in endoscopic sialendoscopy.

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

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

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

St. Michael's Hospital

Dr. Jennifer Anderson (Otolaryngologist-in-Chief)

This past spring, St. Michael's Hospital, St. Joseph's Health Centre and Providence Healthcare (chronic and rehab centre) completed the process to form a single healthcare network which started in 2017. The Toronto Central LHIN approved the merger with the creation of a single governance and management model. The purpose was to share resources, particularly administrative functions and back office costs without the intention of clinical programs merging. The new chair of the joint board of directors is Mr. Tom Woods.

At the same time, St. Michael's Hospital hired a new CEO, Dr. Tim Rutledge, an emergency room physician. He is replacing Dr. Bob Howard who has retired after 40 years of service at St. Michael's Hospital. Dr. Rutledge comes to us with years of experience in administration and management. Dr. Rutledge was the CEO of North York General Hospital for seven years and is now the joint CEO of the new network (which has yet to be labelled with an official title).

The new clinical care tower is still under construction at the corner of Victoria Street and Queen Street East which will house all the new operating rooms and intensive care units. To that end, the otolaryngology-hns operating room will likely be moving in December of 2018 according to current planning and operations timelines.

The Department of Otolaryngology-HNS has maintained a clinical and research focus in upper airway disorders including laryngology and rhinology. We were very fortunate that Dr. Jun Lin, who completed her residency at the University of British Columbia followed by a fellowship and Masters degree at the University of Pittsburgh in Laryngology, joined our team. Dr. Lin started her practice in general otolaryngology and laryngology in the fall of 2017.

Dr. Jean Davidson, a part-time staff member for many years at St. Mike's, retired from all clinical duties as of May 2018. She will be missed for her big laugh and excellent patient care.

Sunnybrook Health Sciences Centre

Dr. Danny Enepekides (Otolaryngologist-in-Chief)

This year our Department of Otolaryngology-Head & Neck Surgery gave thanks to Dr. Joseph Chen for 10 wonderful years of leadership. As department chief, Dr. Chen has done a remarkable job. During his tenure he strategically recruited excellent clinical and research faculty (Drs. Lin, Le, Eskander, Dabdoub, Dimitrijevic, and Enepekides), assumed provincial leadership of the Ontario Cochlear Implant Program, established Sunnybrook as a national and international centre of excellence in cochlear implantation, raised millions of philanthropic dollars to support research in inner ear regeneration, was instrumental in maintaining and growing a head and neck surgical oncology service at Sunnybrook, aligned our clinical activities with institutional priorities, elevated our wonderful university department's profile, and most importantly has maintained a culture of mutual respect and transparency amongst our faculty. The department is extremely thankful to Dr. Chen for his remarkable contributions and his ongoing leadership. Dr. Enepekides took over as departmental chief in September 2017.

This year, the department was very proud to welcome Dr. Antoine Eskander to our team. Dr. Eskander has assumed leadership of our Endocrine Program (in partnership with Michael Garron Hospital) and is a key member of our Head and Neck Oncology and Reconstructive Surgery Program. He was immediately appointed as an adjunct scientist at the Institute for Clinical and Evaluative Sciences (ICES) and a clinician scientist at the Sunnybrook Research Institute (SRI). The department looks forward to his future contributions and success.

Our Cochlear Implant Program continues to grow. This year over 200 adult cochlear implantations were performed at Sunnybrook Health Sciences Centre. This highly successful program remains a flagship program for our institution and has been recognized internationally as a centre of excellence. Partnership with Women's College Hospital has permitted our team to maintain a robust middle ear surgery program and has reserved resources at Sunnybrook for support of the Lateral Skull Base Surgery Program.

Philanthropic support of our neuro-otology programs continues to grow. This year the department is extremely grateful to the Mason Family for their 1 million dollar donation in support of the Sunnybrook Cochlear Implant Laboratory led by Dr. Andrew Dimitrijevic. In addition, Dr. Lin, with support from the Sunnybrook Foundation, organized a highly successful fundraising event, Docs On Ice, that raised an additional $200,000 for the program. The Sonja Koerner Inner Ear Laboratory led by Dr. Alain Dabdoub continues to enjoy the generous support of the Koerner Foundation.

The Division of Head and Neck Oncology has had another successful year. The division in partnership with the Department of Dentistry and the Sunnybrook Craniofacial Prosthetic Unit successfully lobbied the Ministry of Health to establish a funded extra-oral osseo-integration program. This program currently provides incremental funding to support extra-oral implantation for up to 25 patients per annum. This initiative was recently highlighted by Sunnybrook Magazine and has enjoyed fantastic early success. The Michael Garron–Odette Endocrine Initiative is thriving. This year the program received CCO funding for 300 thyroid

cancers. This represents a 100% increase since its inception. This partnership has increased access to thyroid surgery for the Toronto Central North LIHN and allows our department to focus on the provision of complex regional head and neck cancer surgery at Sunnybrook. Led by Dr. Higgins, the Division of Head and Neck Surgery was honoured at a fundraising event, the Summerfresh Dinner. This wonderful event raised $110,000 dollars to support divisional research and the purchase of a new state of the art ultrasound machine.

Finally, the department would like to thank Mrs. Oriana Canario for 19 years of wonderful service. Oriana was our departmental office manager and an integral part of our success. She retired in June. She will certainly be missed and will be hard to replace.

Other Notable Events and Accomplishments:

Dr. Joseph Chen

- Provincial Coordinator Cochler Implant Program
- Led 3 Health technology Assessments (HTA) on behalf of the Ontario Cochlear Implant Program during the past year. This work was in collaboration with Health Quality Ontario (HQO) and Ontario Health Technology Advisory Committee (OHTAC) toward advancing the funding policies for Ontario patients who qualify for expanded criteria of auditory implantations.

Dr. Alain Dabdoub PhD (Director, Sonja Koerner Inner Ear Regeneration Laboratory):

See page 128, Research Reports

Dr. Andrew Dimitrijevic PhD (Director, Sunnybrook Cochlear Implant Laboratory)

See pages 126-127, Research Reports

Dr. Danny Enepekides

- Program Co-Chair, 2018 American Head and Neck Society Meeting, Washington DC
- International Guest of Honour, 9th AOCMF Advances in Operative Techniques in Oral and Maxillofacial Surgery, Vienna, Austria
- Course Chair, Management of Facial Trauma, AOCMF, Boston, MA

Dr. Antoine Eskander

- Academic Lead, Michael Garron-Odette Endocrine Initiative
- Harry Barberian Scholarship Fund Recipient

Dr. Kevin Higgins

- Chair, Departmental Appointments Committee
- Otolaryngology Regional Representative, OMA
- Co-lead, Head and Neck Fellowship Education and Curriculum
- Head and Neck, Thyroid QBP committee member, CCO

Dr. Trung Le

- Invited Speaker, MedEl Hearing Preservation Workshop, Perth, Australia
- Harry Barbarian Scholarship Fund Recipient

Dr. Vincent Lin

- Chair, Otolaryngology Section, OMA
- Scientific Chair, Canadian Society of Otolaryngology – Head and Neck Surgery
- Invited Speaker, 16th International Meeting of the Mediterranean Society of Otology & Audiology, Jerusalem, Israel.

Trillium Health Partners

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

Dr. Yvonne Chan

Trillium Health Partners (THP) is a hospital system comprised of the Credit Valley Hospital, Mississauga Hospital, and Queensway Health Centre. Trillium Health Partners is one of Canada's largest leading academically-affiliated health centre with highly-specialized regional programs in Advanced Cardiac Surgery, Geriatric Mental Health Services, Hepato-Pancreato-Biliary Services, Neurosurgery, and Vascular Surgery Services. The hospital system has 1,254 beds and had over 1.69 million patient visits in the last year. For 2017-2018, THP received the highest possible rating of 99.84% by achieving Exemplary Standing from Accreditation Canada.

Our Faculty

The Division of Otolaryngology – Head & Neck Surgery at Trillium Health Partners comprises of 10 members (Drs. Glenn Beard, Yvonne Chan, Joseph Chen, Janet Chung, Aman Grewal, Jeff Mendelsohn, Karim Nazarali, Lorne Segall, Adam Toth, and Sandra Vojvodich). Our division members provide excellent general otolaryngology care to our community at large and subspecialty care in otology and rhinology. We also have a strong presence in head and neck endocrine surgery and pediatric tonsil/adenoid surgery.

Education

Our division members continue to play an active and significant role in all levels of education at the Mississauga Academy of Medicine (MAM). At the undergraduate level, we are actively involved in the ICE 1 and 2 teaching in small groups and clerkship teaching in our Otolaryngology ambulatory clinic. The Longitudinal Integrated Curriculum has expanded to MAM this past year and special thank you to all the division member for providing excellent learning environment to the clerks in this program.

At the postgraduate education level, PGY-4 trainees continue to rotate through THP as part of their community otolaryngology experience. Our rotation has been consistently highly ranked by the residents over the years because of the unique opportunity that during this rotation, they learn the practicalities of running a practice as well as clinical skills and excellent one-on-one operative experience with the various faculty.

The THP Family Medicine Teaching Unit PGY-1 and 2 residents regularly select otolaryngology as their elective at our offices to strengthen their head and neck knowledge and clinical management of otolaryngology presentations.

In the continuing professional development arena, we have bi-annual combined head and neck surgery and endocrinology teaching rounds where we review updated clinical guidelines and discuss difficult to manage cases in endocrine surgery. We also have organized combined respirology, allergy, and otolaryngology rounds annually to discuss new advancements in the treatment of airway diseases. Dr. Chan also presents at the Family Medicine Grand Rounds at THP annually on various topics chosen by the audience.

Dr. Chan has a new book published in April 2018: Senior BA, Chan Y, editor(s). Rhinology and Allergy: A Clinical Reference Guide. Plural Publishing; 2018. Editor.

Awards

Congratulations to Dr. Aman Grewal who received *The Alma Smitheringale Excellence in Undergraduate Teaching Award* for having the highest undergraduate teaching evaluation scores. Dr. Yvonne Chan received the university department's *Faculty Teacher of the Year Award* as nominated and voted on by all residents, fellows, and faculty.

Leadership

Thank you to Dr. Lorne Segall for his service as the chief of the Division of Otolaryngology at THP. Dr Yvonne Chan has taken over this important role as our advocate at the organization. For the university department, Dr. Chan is the Director of Continuing Professional Development and is the liaison for the Community Academic Faculty. Dr. Chan has stepped down as the undergraduate education lead and Drs. Grewal and Mendelsohn have assumed this role in a combined effort. Dr. Toth has also stepped down as the postgraduate education lead and Dr. Chung has assumed this role. At the Canadian Society of Otolaryngology – Head & Neck Surgery, Dr. Chan is now the Continuing Professional Development Committee Chair.

University Health Network

Dr. Ralph Gilbert (Otolaryngologist-in-Chief)

The Department of Otolaryngology-Head & Neck Surgery at UHN had another great year of clinical and academic accomplishments and continues to provide international leadership in head and neck oncology, reconstructive microsurgery and otology/neurotology.

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

Our otology/neurotology program continues its leadership in the management of vestibular disorders and innovations in care of patients with vestibular disorders. The Hearing and Balance Centre along with our Munk Hearing Aid Centre continues to provide strong clinical and academic programs.

The Head and Neck Group including Drs. Gullane, Irish, Gilbert, Brown, Goldstein, de Almeida and Chepeha continues to be extremely productive both academically and clinically. Dr. Irish completed his term as President of the American Head and Neck Society and had a remarkably successful meeting in Washington. Dr. Irish continues to lead the Guided Therapeutics Group at TECHNA and continues to garner peer-reviewed grant support including the Terry Fox Foundation on non-invasive techniques to facilitate treatment of head and neck tumours including thyroid cancer. Dr. Gilbert is the President of the International Academy of Oral Oncology (IAOO) and is actively involved in the organization of the next IAOO meeting in Rome in 2019.

The head and neck group has been extremely productive internationally with invited presentations and keynotes at the American Head and Neck Society and numerous other national and international meetings. The group has been very active academically with Drs. Goldstein, de Almeida and Chepeha continuing to lead our outcomes and translational research program.

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

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

The department sadly suffered the loss of our colleague and friend David Pothier this year to cancer. David will be missed by all of us and his patients. His amazing creativity and innovation in otology and neurotology are not replaceable.

The department as always is indebted to our support staff under the remarkable leadership and skill of our manager Jamie Chong. We all look forward to another productive and enjoyable year.

Research Team Reports

Neuro-Otology and Auditory Science

Auditory Science Lab

Robert V. Harrison

The Auditory Science Laboratory has been a part of the university Department of Otolaryngology-Head & Neck Surgery for well over three decades. Over that period we have enjoyed continuous funding from CIHR, as well as supplementary grants, large and small, from other agencies. Our mission has been to increase knowledge about the complex biological mechanisms that allow us to hear and to understand the exact nature of hearing deficits. This new knowledge may lead to improved strategies for prevention, diagnosis and remediation of hearing disorders.

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

In our anatomical studies, we make histological evaluations of the inner ear with light and electron microscopy. In recent years we have mastered corrosion cast studies of vascular structures in the inner ear. Some of our recent research was on the capillary network of the stria vascularis in an animal model of cytomegalovirus (CMV) infection. This work was part of PhD thesis research by Mattia Carraro and was in collaboration with Dr. Albert Park and colleagues at the University of Utah. Our work to date has been published in Hearing Research and in the Journal of the Association for Research in Otolaryngology (JARO). This research was supported, in part, by a Barberian scholarship award. This collaborative work continues with new studies on the link between damaged capillaries in the cochlea and impaired haircell function.

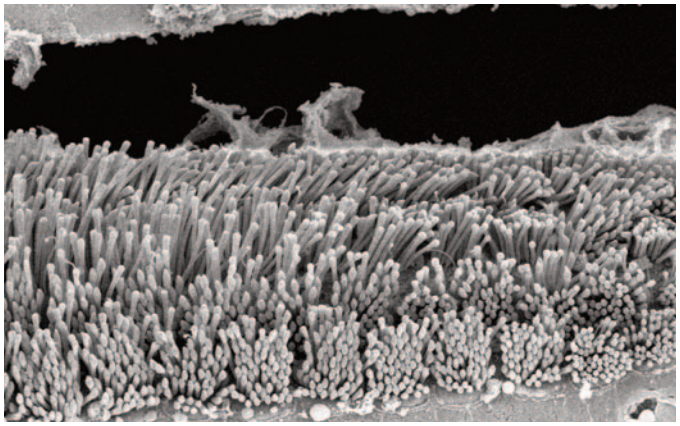


Figure: Haircells lined up in the hearing organ of the lizard.

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

Another ongoing research topic relates to otoacoustic emissions (OAEs). For these studies we are using a species of lizard. The lizard has very robust otoacoustic emissions, and we are attempting to see what structural features of the hearing organ (basilar papilla) could account for otoacoustic emission waveforms. The scanning electron micrograph here shows the haircells lined up in the hearing organ (equivalent to a mammalian cochlea) of the lizard. This project is a collaboration with Chris Bergevin at York University. The project is very exciting, and is wholly supported by Barberian scholarship funding.

In addition to the projects outlined above we have finalized and published other work relating to auditory neuropathy in children (with Adrian James) and in relation to auditory midbrain plasticity (with

Lisa d'Alessandro). This has been a very productive year, and thanks to all those who have collaborated with us in the Auditory Science Laboratory.

For more information check out our website: https://lab.research.sickkids.ca/harrison

Neurotology and Vestibular Research

John Rutka, David Pothier and Sharon Cushing

Clinical based research pertaining to the vestibular system and its disorders continues in conjunction with the Hertz Multidisciplinary Neurotology Clinic and the Centre for Advanced Hearing and Balance Testing at the University Health Network. Staff physicians involved in clinical vestibular research include Drs. John Rutka, Paul Ranalli and Philip Gerretsen. Ms. Carolyn Falls is responsible for the collaborative laboratory vestibular testing in our clinical studies. Ms. Shaleen Sulway and Ms. Wanda Dillon are responsible for our vestibular rehabilitation therapy and vestibular nursing projects. Dr. Fatemeh Hassan Nia continues as our clinical research co-ordinator.

Continued collaborative research projects include:

a) Investigation of posttraumatic dizziness from our large prospective WSIB data base (>4,000 patients) research and outcomes following head injury.

b) Assessment and prevention of systemic aminoglycoside ototoxicity with major focus on the efficacy of monitoring.

c) The development of a validated catastrophization scale in the management of dizzy patients.

New research projects include:

a) Correlation between multifrequency VEMP studies, ECoG and multifrequency tympanometry for the diagnosis of Meniere's disease.

b) Investigation of high velocity/acceleration VOR impairments in patients with vestibular schwannomas.

c) The investigation of the role of Vitamin D deficiency in benign positional paroxysmal vertigo (BPPV).

d) Further investigation of patients with elevated oVEMP amplitudes but normal intracranial temporal bone studies.

Multidisciplinary research projects are also currently being undertaken to assess the role of vestibular rehabilitation therapy in falls' prevention with the Division of Neurology (Principal Investigator: Dr. Tartaglia).

It is not without considerable sadness that we lost the many talents of Dr. David Pothier due to medical illness this year. David was a profound thinker who influenced many of us to reconsider how we viewed the vestibular system by placing a greater emphasis on the role of the otolithic system and by appreciating how an individual's psychology affects their clinical presentation. A brilliant mind, he was instrumental in developing an effective monitoring system to minimize aminoglycoside vestibulotoxicity with a specially crafted balance workshop performa and computerized dynamic visual acuity testing. His vestibular input/output (VESTIO) device innovation utilizing an auditory signal synchronized to a head mounted gyroscope has been commercialized and is currently being studied in children receiving cochlear implantation. In a final hurrah his textbook on Vestibular Disorders written in conjunction with Jane Lea will soon be available in print. David left us before his time but his contributions as an academic researcher in clinical vestibular disorders will not be forgotten. Travel well dear friend.

Cochlear Implant Research

Vincent Lin, Trung Le, Joseph Chen, and Andrew Dimitrijevic

The vision to create three separate platforms of research at Sunnybrook HSC dedicated to the inner ear continues to expand. During the past year, the Sonja Koerner Regeneration laboratory and the G. Mason Cochlear Implant Electrophysiology Laboratory have realized growth and exciting new

discoveries. Drs. Dabdoub, Le, and Dimitrijevic report on highlights and accomplishments in their respective domains in this section. It is important to note that both laboratories have found sustainable solutions to funding research through philanthropy and grants. Both labs are scheduled to grow with additional PI's and further investment.

On the clinical research side, our main foci revolve around technology and how they help our patients, vis-a-vis cochlear implants and other implantable devices. Performance, QOL measures, aging, and expanded criteria driven by one of the largest CI database serve as our core interest in research. Our strength in clinical and research resources and infrastructures bode extremely well for industry support and sponsored trials. A critical mass is coming together to make Sunnybrook a major hub of research in North America.

Linkages to both labs allow us to delve into brain activities of auditory plasticity that figures critically in clinical performance. How drugs interact with the inner ear during injuries and regeneration can help translate research ideas into clinical applications, including how drugs are best delivered into the inner ear. Novel MRI imaging techniques of the inner ear and of the skull base are already making a difference in our understanding of the anatomy, leading to changes in clinical care. They include electrode selection based on customized measurements, better visualization of the inner ear compartments through high tesla MRI and contrast enhancement, and localizing the facial nerve course in acoustic neuroma surgery.

Administratively, the Sunnybrook CI program remains the provincial lead in forecasting needs and matching resources to demands in Ontario. Recent applications in expanded indications to implantation that included several Health Technology Assessments (HTA) led by Sunnybrook in collaboration with Health Quality Ontario (HQO) and Ontario Health Technology Advisory Committee (OHTAC) gave us a glimpse into how they can help us drive funding shortfalls with an eye on both clinical and cost effectiveness. Soon, we will have more coherent strategies in funding bilateral implantations, single sided deafness, conductive hearing loss, etc. Ontario is certainly taking a leadership role in this regard in Canada. An important aspect of clinical research is to develop appropriate tools to measure outcome, to that end, Peter Dixon (PGY3 resident) has taken two years from his training toward a masters degree with the IHPME-University of Toronto; his thesis is to develop a more discriminating disease-specific utility instrument by modifying the Health Utility Index (HUI-3). This is a major undertaking and a potentially very impactful tool for cost-effectiveness analyses of hearing related interventions.

Advocacy for better awareness in the treatment of hearing loss and calling attention to missed opportunities of limited public investment at the government level continues to be an important mandate for us. A recent fund-raising campaign in this regard through a very successful Docs-on-Ice hockey tournament chaired by Dr. Vincent Lin in Toronto will help promote awareness in hearing loss.

Cochlear Implant Lab

Andrew Dimitrijevic

The Cochlear Implant Laboratory at Sunnybrook has a mandate to conduct research that ultimately benefits our patients. The role of cognition and hearing is a major focus of the program with a number of projects currently underway.

Lightening the cognitive load. People with hearing loss need to exert more mental effort in order to follow a conversation. This may be related to the higher rate of dementia in this population. To this end we have found, across three separate studies, that effortful listening in people with cochlear implants engage specific executive function centres in the brain. The goal of this research is to use this neural activation pattern in a precision-medicine manner to tailor optimal rehabilitation strategies.

How plastic are you? Neural plasticity is thought to be a factor in how a patient is able to adapt to a cochlear implantation. Studies are underway to relate how the visual and auditory systems interact and whether we can use this to predict and guide optimal rehabilitation.

Our team consists of a postdoctoral fellow Dr. Brandon Paul who joined the lab in November 2017. His previous work examined electrophysiological measures of tinnitus. His current project in the lab involves brain modelling of neural markers of listening effort. Dr. David Low is a fellow who has developed a Cantonese version of the Digit Triplet test. This is an important project that involves developing a diagnostic test of speech perception in cochlear implant patients that does not depend on language ability, only knowledge of English digits. His projects opens the door to more reliable diagnostic testing in a multicultural city such as Toronto. We have three undergraduate students: Ayden Malekjahani who developed a lip-reading/brain activation paradigm which is now being used preoperatively as a cochlear implant success predictor; Jordan Chan who developed a working memory paradigm that is now being used pre-operatively; Mila Uzelac who is working on a speech spatial attention task to test bilateral hearing in cochlear implant users. Varia Sajeniouk is our research coordinator and also coordinates ongoing clinical research activities.

We have established active collaborations with the SickKids cochlear implant program and the Rotman Research Institute at Baycrest Hospital. This collaboration has culminated in a multicentre CIHR grant proposal involving hearing and cognition in cochlear implant recipients across the life span. Other active collaborations include the Department of Music, University of Toronto. We are currently exploring the neural basis of music therapy in adults with cochlear implants.

The research program is supported by a generous donation from a private donor and an industry grant.

This year the lab has had invited lectures to Auditory EEG Signal Processing symposium and Dr. Dimitrijevic was one of the organizers of this symposium. Three presentations were made at the Association for Research in Otolaryngology.

Neurotology & Otology Research

Joseph Chen, Trung Le, Vincent Lin

Ageing and Dementia: We continue to collaborate with our neurology colleagues to collect data to finish our validation of the Hearing Impaired MoCA (HI-MoCA). We are nearing the numbers required for our study and interim data analysis look promising. We are also continuing our partnership with Med-EL with the development of the HI-MoCA app which will be ready for pilot testing within the next few months. Once the app has been vetted and beta tested, we can also develop language modules so it can be translated into different languages and validated as well. There is also a tremendous opportunity for collaboration with international centres of excellence and also the potential for mass data collection with other centres that use our app.

Otoprotection Trial: Our work with the Canadian Society of Otolaryngology – Head & Neck Surgery Collaborative Research Initiative has allowed our group to be the lead centre for a potentially ground breaking intratympanic N-acetylcysteine otoprotective trial in patients undergoing cisplatnum chemotherapy. We are spear heading the development of the research protocol and hope to recruit other centres across Canada to participate. We anticipate applying for funding so we can partake in collection of pilot data.

CI-CROS: This product is now available for commercial purchase through Advanced Bionics and Oticon. Our centre has been recognized as the core development group in its inception, design and validation.

Post-op Narcotics Trial: We have partnered wth Dr. Eric Monteiro to be part of a trial looking at the use of post-operative narcotics in ambulatory care otology procedures. Phase I of the work has been performed and initial data being collated and prepared for publication.

TTC Noise Study: Our group also published a high profile article looking at the surprising levels of subway noise in the Toronto Transit Commission (TTC). The article generated a lot of publicity and

increased public awareness of the dangers of chronic high level noise exposure (J Otolaryngol Head Neck Surg. 2017 Nov 23;46(1):62. doi: 10.1186/s40463-017-0239-6). The authors were featured in a number of radio, internet and television interviews.

Auditory Development, Protection & Regeneration

Alain Dabdoub & Trung Le

Our lab had an excellent year advancing basic research in inner ear biology and translational medicine discovering novel molecular insights and potential new therapies for the treatment of inner ear disorders focusing on hearing loss and balance disorders. Two graduate students successfully defended their theses and published their work in addition to several other impactful publications from the lab. We presented our research at national and international meetings including the Canadian Developmental Biology Meeting, the Canadian Neuroscience Meeting, the Hearing and Structure Preservation Workshop, and the International Cochlear Implants Meeting.

We continue to advance our research program building on a solid foundation expanding and exploring new projects and discoveries for our central goal of a biological solution for hearing and balance disorders. I continue to be an active member in Hearing Health Foundation's Hearing Restoration Project, the international scientific consortium dedicated to identifying better treatments for hearing loss.

Our lab is supported by grants from the Canadian Foundation for Innovation; Canada First Research Excellence Fund; Medicine by Design; the International Hearing Restoration Project – Hearing Health Foundation and the Koerner Foundation.

Pediatric Cochlear Implant Research Lab

Karen Gordon, Blake Papsin, Adrian James, Sharon Cushing

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

Our team includes Carmen McKnight, our Research Project Manager, and we welcomed Jaina Neghandi, our Research Project Co-ordinator, in May 2018. We are also expecting to welcome Al Blakeman as a Research Project Co-ordinator in July 2018.

In September 2017, we were joined by Claire McSweeny who is in the M.Sc. program at the Institute for Medical Science. She is working on a new project in which we are exploring the effects of impaired binaural hearing and vestibular deficits on spatial awareness, memory, and navigation. We are also interested in implications of these spatial problems on physical activity and academics (reading and mathematics). We were also joined by Dr. Hillary Ganek who is a PhD speech-language pathologist. She is working on language outcomes in children who use cochlear implants with a specific emphasis, in collaboration with Dr. Adrian James, on children with auditory neuropathy spectrum disorder. She is also interested in the language exposure that children with cochlear implants receive in their everyday environments and how that impacts their auditory abilities in spoken language. She is comparing data recorded with a Language ENvironment Analysis (LENA) device and scene categorization provided by data logging functions in the cochlear implant processors.

We have several other wonderful members of our research team. Dr. Homira Osman is a post-doctoral fellow who graduated with her PhD and AuD (clinical audiology) from University of Washington. She is working on delays that children with hearing loss have when responding to speech and this has been funded by the Integrative Research Training Fellowship Award, Centre for Brain and Mental Health, The Hospital for Sick Children. She presented preliminary findings at the 2017 Conference on Implantable Auditory Prostheses). She has also been measuring distortions in binaural cues created by bilateral hearing aids (presentation at American Auditory Society 2018) and at perception of emotion in speech by children using unilateral cochlear implants (presentation at Scientific Day, Collaborative Program in Neuroscience 2018). Daniel Smieja and Ashley Deonarain are both engineers in the MHSc program in the Institute of Biomaterials and Biomedical Engineering. Daniel is working on novel ways to process electrophysiological responses to sound (presentations at the 2017 Conference on Implantable Auditory Prostheses and the 2018 Acoustical Society of America). Ashley is exploring effects of hearing aid technology on binaural cues. Melissa Polonenko, a clinical audiologist, continues to make great gains in her PhD thesis work. She is studying the use of bimodal hearing (acoustic hearing in one ear and electrical hearing through a cochlear implant in the other). She has received an impressive 16 major studentship awards including the Ontario Student Graduate Award, the prestigious SickKids Scientist-Training Program Award, and most recently, the Exceptional Trainee Award from the Neuroscience and Mental Health program at the SickKids Research Institute. In July 2017, she gave an invited keynote presentation at the Conference for Implantable Auditory Prostheses. She will be defending her PhD thesis in late July 2018.

We have enjoyed the opportunity to work with a number of summer students over the past 2 summers: Jonah Gorodensky, Robel Alemu, and Simrat Gill (binaural hearing in children with hearing loss); Joshua Baitz (innovative recording of vestibular myogenic responses); Leanne Ruderman (vocational and social outcomes of implantation), Meera Mehta (balance improvement using electrical stimulation through cochlear implants), and Jacob McLennan (genetic variants in children with hearing loss). We continue to have important collaborations both locally (Robert Harrison, Sharon Cushing, Adrian James, Ben Dunkley, James Rutka, Sandra Trehub, Susan Blaser, and Frank Russo, Jenny Campos), nationally (Sam Doesburg) and internationally, with Robert Cowan. Some new collaborations have begun. We will examine language processing in children with autism spectrum disorder with Dr. Elizabeth Pang and auditory streaming in individuals who have hearing loss with Dr. Andrew Dimitrijevic and Dr. Claude Alain.

The past year has been very productive: 18 publications came out or are in the press. Between this summer and last, we collectively presented over 14 abstracts at international meetings and gave more than two dozen invited talks internationally.

Some highlights from the past year include: 15 student awards, Melissa Polonenko, Exceptional Trainee Award, Neuroscience and Mental Health program, SickKids Research Institute, Melissa Polonenko, Don Henderson Award and first place award, Poster Blitz trainee presentations, Annual Meeting of the Association for Research in Otolaryngology (Melissa Polonenko); Fellow Travel Award for outstanding abstract, The Annual meeting of the American Audiological Society (Homira Osman); Trainee Award for outstanding abstract, Annual Meeting of the Acoustical Society of America (Daniel Smieja).

OtoSim™ Lab

Paolo Campisi and Vito Forte

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

Dr. Vito Forte is still full-time CEO and CTO of OtoSim Inc and he also leads the 'Hammers and Nails' Program at the Hospital for Sick Children and IBBME. This has resulted in a successful collaborative team involving engineering students from UofT as well as other programs across Canada.

This activity has stimulated 4 students from the lab and program to pursue masters studies, 2 successfully completed their masters and 1 has gone on to pursue a PhD.

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

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

The OtoSim Mobile™ and the Educators Portal™ were launched commercially to the North American market in May 2018 and have already been purchased by several sim centers in the US.

Development is well underway for OphthoSim Mobile™. We continue to get engineering and computer science students involved in design and development through MITACS, NSERC and USRP (Undergraduate Summer Student Program). Both smart-phone based mobile simulators will bring another dimension to teaching otoscopy and direct ophthalmoscopy applying effective, efficient and affordable simulation to hopefully achieve a global impact.

Head and Neck Oncology

Head & Neck Oncology Research (SHSC)

Danny Enepekides, Kevin Higgins, Antoine Eskander

INSPIRE Trial

Randomized Phase II Trial of Neoadjuvant and Adjuvant Therapy with the IRX-2 Regimen in Patients with Newly Diagnosed Stage ll, III or IVA Squamous Cell Carcinoma of the Oral Cavity.

The objectives of this phase 2 study are to determine if event-free survival (EFS) of subjects treated with the IRX-2 regimen is longer than for subjects treated with Regimen 2 and to compare the safety and feasibility of each regimen. Accrual opened in May 2017. Project is ongoing/active.

ORATOR 2

A Phase II Randomized Trial of Treatment De-Escalation for HPV-Associated Oropharyngeal Squamous Cell Carcinoma: Radiotherapy vs. Trans-Oral Surgery (ORATOR II).

The purpose of this phase 2 study is to compare progression free survival relative to historical controls for de-intensified primary radiotherapy versus transoral surgery and neck dissection with or without adjuvant radiotherapy in patients with early T-stage, HPV-positive squamous cell carcinoma of the oropharynx, and to compare toxicity and quality of life (QOL) profiles. Project is ongoing/active.

ACS NSQIP Risk Calculator

Predicting Complications of Major Head and Neck Oncological Surgery: An Evaluation of the ACS NSQIP Surgical Risk Calculator.

The aim of this study is to provide the first comprehensive evaluation of the ACS NSQIP surgical risk calculator for head and neck surgery in a Canadian setting. This manuscript was successfully published in Journal of Otolaryngology Head & Neck Surgery in March 2018. Project is complete. https://www.ncbi.nlm.nih.gov/pubmed/?term=Predicting+complications+of+major+head+and+neck+oncological+surgery%3A+an+evaluation+of+the+ACS+NSQIP+surgical+risk+calculator.

Anterolateral Thigh (ALT) Perforator Free Flap

Motor and Sensory Morbidity Associated with the Anterolateral Thigh Perforator Free Flap: A Pilot Study.

The objective of this study is to quantify changes in motor function, sensation, and lower extremity quality of life following anterior lateral thigh free flap (ALT) resection. This study was accepted for publication in The Laryngoscope in June 2017. Project is complete. https://www.ncbi.nlm.nih.gov/pubmed/29105774

Low Risk Papillary Thyroid Cancer

A Protocol for a Canadian Prospective Observational Study of Decision-Making on Active Surveillance or Surgery for Low-risk Papillary Thyroid Cancer.

This is a multiphase prospective observational study. The goal of phase 1 was to determine the percentage of VL-PTC patients who chose AS over surgery and the reasons for their treatment choice. Phase 2 evaluated decision regret at one year in VL-PTC patients who completed phase 1 and either underwent AS or surgery. The manuscript was successfully published in BMJ Open in April 2018. Project is complete. https://www.ncbi.nlm.nih.gov/pubmed/29654030

Web-based Tool for Thyroidectomy

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

This study serves to assess the impact of an instructional website tool on the satisfaction and comprehension of patients undergoing thyroidectomy. Project is ongoing.

Fistula

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

The main objective of this study is to determine if pharyngocutaneous fistula following total laryngectomy is associated with an alteration in locoregional control and distant metastasis. This study is a multi-institutional collaboration between Memorial Sloan Kettering, MD Anderson, University of Alberta, Sunnybrook and the University Health Network. Project is ongoing.

G-Tube

Incidence of Stoma Site Metastases in the Push Vs. Pull Technique for Percutaneous Endoscopic Gastrostomy (PEG) Tube Placement in Head and Neck Cancer.

The purpose of this study is to compare the incidence of stoma metastases between the push and pull techniques for head and neck cancer patients who underwent a perioperative PEG insertion at Sunnybrook Health Sciences Centre and Ohio State University. Project is ongoing/active.

Radiomics

Establishing a Radiomics Signature to Predict Residual Malignancy in All Head and Neck Cancers.

The primary objective of the study is to create a unique and validated radiomics signature for persistent lymphadenopathy in patients with HPV+ OPSCC treated with primary radiation or chemoradiation with curative intent. This study is a multi-institutional collaboration between Sunnybrook Health Science Centre, Princess Margaret Cancer Centre and University Health Network. Project is ongoing/active.

Hypopharynx

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

This study is run in collaboration with research teams in the United Kingdom and University Health Network. The primary purpose is to develop the largest database of hypopharyngeal cancer in the medical literature to date. From this, a database of tissue from included patients will be built to compare the presence of tissue biomarkers with patient survival outcomes. In addition, an idea of the natural presentation and history of the condition will be studied. Project is ongoing/active.

SPY

Intraoperative Evaluation of Pharyngeal Mucosa and Cervical Skin Utilizing SPY Fluorescence Angiography to Prevent Wound Complications, A Retrospective Review.

This study aims to evaluate Laser assisted fluorescent dye in assessing post-laryngectomy pharyngectomy pharyngeal mucosa and regional/free flap perfusion in head and neck cancer surgery/reconstruction and correlate with rates of postoperative wound complications. Project is ongoing/active.

Perineural Invasion of Squamous Cell Carcinoma Tubular Neck Mass

This case report documents the diagnosis and treatment of a patient that developed extensive perineural and intraneural invasion along the Greater Auricular Nerve (GAN), from lobule to Erb's point. In addition, it provides a review of the literature on intraneural spread of head and neck malignancies. The manuscript was successfully published in JAMA Otolaryngology in May 2018. Project is complete. https://www.ncbi.nlm.nih.gov/pubmed/29596558

Thyroid disorders in the Elderly:

An Overall Summary

The purpose of this article is to shed light on the distinct difference in medical care of the elderly from that of younger counterparts and to address inherent

complexities in caring for elderly patients in an effort to improve quality of care. Topics considered range from general anatomic challenges to underlying biochemistry to adjuvant therapy options and surveillance. Published in Clinics of Geriatric Medicine in May 2018. Project is complete. https://www.ncbi.nlm.nih.gov/pubmed/29661337

Geriatric Free Tissue Transfer

Determining Relative Diagnostic Efficacy of Ultrasound Follow-Up in Advanced Neck Diseases Patients.

We aim to evaluate the use of US as a diagnostic tool for follow-up in head and neck patients at a quaternary Canadian care centre. Specifically, we intend to delineate the period until detection, accuracy in detecting involved nodes, and long-term outcomes for these patients compared to patients that did not undergo regular US imaging. Project is ongoing.

Supraclavicular Island Flap and Submental Flap

Use of Supraclavicular Artery Island Flap and Submental Artery Island Flap for Head and Neck Reconstructions: An Illustrative Case Series.

The purpose of this study is to document the experiences of using the SCAIF and SMAF at a major Canadian quaternary care centre. Special focus will be paid to surgical technique, indications, and flap modifications. Illustrations will be incorporated to detail the procedure process. Project is ongoing.

Ultrasound Follow-up

Determining Relative Diagnostic Efficacy of Ultrasound Follow up in Advanced Neck Diseases.

We aim to evaluate the use of ultrasound as a diagnostic tool for follow-up in head and neck patients at a quaternary Canadian care centre. Specifically, we intend to delineate the period until detection, accuracy in detecting involved nodes, and long-term outcomes for these patients compared to patients that did not undergo regular US imaging. Project is ongoing.

Venous Thromboembolism

Systematic Review and Meta-analysis of Venous Thromboembolism in Otolaryngology-Head and Neck Surgery

The purpose of this study was to present our systematic review and meta-analysis of the data on venous thromboembolism (VTE; deep venous thrombosis [DVT] and/or pulmonary embolism [PE]) in otolaryngology-head and neck surgery (OHNS). Published in Head & Neck in March 2017.
https://www.ncbi.nlm.nih.gov/pubmed/28370756

Laryngeal and Hypopharyngeal Cancer

Overview of Surgery for Laryngeal and Hypopharyngeal Cancer in Ontario, 2003-2010.

The primary purpose of this study was to describe variations in incidence rates, resections rates, and types of surgical resection for patients diagnosed with laryngeal and hypopharyngeal cancers in Ontario. Published in Head & Neck in June 2017.
https://www.ncbi.nlm.nih.gov/pubmed/?term=Overview+of+surgery+for+laryngeal+and+hypopharyngeal+cancer+in+Ontario%2C+2003-2010.

HPV-positive Oropharyngeal Cancer

Appraisal of the AJCC 8th Edition Pathologic Staging Modifications for HPV-positive Oropharyngeal Cancer, a Study of the National Cancer Database.

The purpose of this study was to validate the American Joint Commission on Cancer's new staging system for human papillomavirus associated oropharyngeal cancer using the National Cancer Database. Published in Oral Oncology Vol 73 in September 2017.
https://www.ncbi.nlm.nih.gov/pubmed/?term=Appraisal+of+the+AJCC+8th+edition+pathologic+staging+modifications+for+HPV-positive+oropharyngeal+cancer%2C+a+study+of+the+National+Cancer+Data+Base

AHNS Series

AHNS Series: Do you know your guidelines? Guideline Recommendations for Head and Neck Cancer of Unknown Primary Site.

The primary purpose of this series is to raise awareness of the current guidelines in head and neck oncology by reviewing the recommendations and the evidence supporting such recommendations, particularly those published by the National Comprehensive Cancer Network (NCCN). Published in Head & Neck in November 2017. https://www.ncbi.nlm.nih.gov/pubmed/?term=AHNS+Series%3A+Do+you+know+your+guidelines%3F+Guideline+recommendations+for+head+and+neck+cancer+of+unknown+primary+site.

Free Flap Reconstruction

Predictors of Complications in Patients Receiving Head and Neck Free Flap Reconstructive Procedures.

The study objectives are to determine the overall complication rate, wound healing, and wound infection complications and identify preoperative, intraoperative, and postoperative predictors of these complications. Published in Otolaryngology Head and Neck Surgery in April 2018. https://www.ncbi.nlm.nih.gov/pubmed/?term=Predictors+of+Complications+in+Patients+Receiving+Head+and+Neck+Free+Flap+Reconstructive+Procedures.

Choosing Wisely Campaign

Head and Neck Surgical Oncology Choosing Wisely Campaign: imaging for patients with hoarseness, fine needle aspiration for neck mass, and ultrasound for odynophagia.

Choosing Wisely Canada is a campaign designed to raise awareness regarding inappropriate or unnecessary tests and treatments. The Canadian Society of Otolaryngology - Head & Neck Surgery and the Canadian Association of Head and Neck Surgical Oncologists developed a Choosing Wisely Canada list to help promote high quality care for patients presenting with disorders of the head and neck. Published in Otolaryngology Head and Neck Surgery in January 2018. https://www.ncbi.nlm.nih.gov/pubmed/?term=Head+and+Neck+Surgical+Oncology+Choosing+Wisely+Campaign%3A+imaging+for+patients+with+hoarseness%2C+fine+needle+aspiration+for+neck+mass%2C+and+ultrasound+for+odynophagia.

Subscapular System of Flaps

Supine Positioning for the Subscapular System of Flaps: A Pictorial Essay.

This pictorial essay demonstrates a modification to the positioning, prepping, and draping technique for the subscapular system of flaps allowing the patient to be placed supine and without the need for a second assistant during the harvest or closure. Published in Head & Neck in February 2018. https://www.ncbi.nlm.nih.gov/pubmed/?term=Supine+positioning+for+the+subscapular+system+of+flaps%3A+A+pictorial+essay

Statistically Significant Randomized Trials

The Fragility of Statistically Significant Findings from Randomized Trials in Head and Neck Surgery.

We sought to calculate the Fragility Index scores for randomized control trials in the head and neck cancer literature where surgery was a primary intervention. Published in The Laryngoscope in April 2018. https://www.ncbi.nlm.nih.gov/pubmed/?term=The+fragility+of+statistically+significant+findings+from+randomized+trials+in+head+and+neck+surgery

Considerations for Head and Neck Surgery

Surgical Considerations in Advance Basal Cell Carcinoma, Cutaneous Squamous Cell Carcinoma, and Cutaneous Melanoma: A Head and Neck Perspective.

In this review, we aim to discuss the appropriate surgical management of skin cancers and associated controversies as it pertains to the head and neck. Published in Current Otorhinolaryngology Reports in June 2018. https://link.springer.com/article/10.1007/s40136-018-0195-3

Lateral Arm Free Flap

The Unique and Valuable Soft Tissue Free Flap in Head and Neck Reconstruction: Lateral arm.

In this publication a detailed anatomic and harvest technique is described for the lateral arm free flap, along with indications and advantages of its use for head and neck reconstruction. A scoping literature review was also conducted to tabulate indications, overall success and complications of the flap. Published in Oral Oncology in May 2018. https://www.ncbi.nlm.nih.gov/pubmed/29909883

Grant Applications

Dr. Antoine Eskander

Thyroid Surgery Quality of Care in Ontario: Impact of Cancer Care Ontario's Quality-Based Procedure (QBP) Program. Harry Barberian Scholarship Fund. [$7,500 CAD].

Collaborators: Eric Monteiro, Jesse Pasternak, David Goldstein, Jonathan Irish. PI- Dr. Antoine Eskander. Timeline: 2018 April – 2019 March.

Head & Neck Surgical Research (UHN)

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

The 2017-2018 academic year has been another productive research year for the Wharton Head and Neck Cancer Surgery research program at the University Health Network. Research at the University Health Network takes place across the three sites, with the majority of research occurring between the Toronto General Hospital and Princess Margaret Cancer Centre. The surgeon investigators for the head and neck oncology program have affiliations with both the Ontario Cancer Institute and the Toronto General Research Institute. The research program is a multidisciplinary program with local, national and international collaborations. The research program has 4 major themes: 1. Guided therapeutics program whose work is covered in a separate report. 2. Clinical outcomes research in head and neck oncology and reconstructive surgery. Outcomes research includes clinical trials and prospective and retrospective observational studies in mucosal, salivary gland, endocrine and skull base neoplasms. In addition, there is a major focus on evaluation of outcomes with microsurgical reconstruction and functional outcomes including quality of life assessment. 3. Basic science and translational research program is a multidisciplinary program that involves radiation and medical oncology, pathology, and basic science labs. Research includes proteomics, genomics, stem cell research, and molecular epidemiology. A large focus of the program is on the identification and assessment of biomarkers in the treatment of head and neck cancer. 4. Health services research with a focus on quality of care and cost-effectiveness. Resident and fellow research is a major component of the research program. There have been a number of residents and fellows who have been mentored and supported by members of the head and neck surgery research program.

In the 2017-2018 academic year the UHN surgeons had over 49 peer-reviewed publications accepted or in-press, $6,832,463 secured in new grant funding including a $6,616,301 Terry Fox New Frontiers Program Project Grant on porphysome nanoparticle-enabled image-guided cancer interventions lead by Dr. Jon Irish and Dr. Gang Zheng. Dr. Caitlin McMullen's project, supervised by Dr. John de Almeida, on occult nodal disease and occult extranodal extension in oropharyngeal SCC in patients undergoing TORS won the Robert Byers Award for best clinical paper at the 2018 American Head and Neck Society meeting. Current ongoing novel prospective clinical research studies include the FIND trial (role of transoral robotic surgery in the unknown primary squamous cancer of the head and neck), quality of life comparison between open vs endoscopic skull base surgery, active surveillance for low risk thyroid cancer, oral biofeedback trial for patients with oral cavity cancer, assessment of speech and swallowing in patients with treatment for upper aerodigestive tract cancers, and mapping of head and neck utilities in head and neck cancer patients. Dr. Irish continues to lead numerous pre-clinical and clinical studies through the Guided therapeutics program which is reported separately. Dr. Chepeha

has developed a multi-level research database, called Intrepid, and is currently working with Techna to incorporate prospective research seamlessly into clinical work flow.

The Head and Neck Cancer Translational Research Program continues to enroll patients prospectively collecting blood, tissue and information on out-of-pocket costs, frailty, risk factor behaviours, utilities, and speech and swallowing. The surgical program continues to build on its radiomics program through collaborations with radiation oncology and bioinformatics.

Head & Neck Oncology Research (SHS)

Ian Witterick, Paul Walfish, Christina Macmillan, David Fu, Ron Chazen, Anne Hsieh, Jeremy Freeman, Eric Monteiro, Allan Vescan, John de Almeida.

Research interest:

We focus on conducting patient-oriented translational molecular oncology to identify predictive/prognostic molecular signatures, their biological functional roles and signaling pathways that drive thyroid and head & neck cancers. Using high throughput automated robotic screens, we identify novel anti-cancer small molecules/compounds, and characterize their potential therapeutics. Integrating a variety of disciplines, we develop molecular biomarkers at microRNA, mRNA, DNA and/or protein levels through molecular analysis of human cancer tissues or biopsies. We establish early diagnostic assays for identifying pre-cancer patient and prognostic assays for objectively evaluating the patient's overall outcome, and investigate novel therapeutic approaches that transform laboratory discoveries into improving cancer patient care for thyroid cancer and head & neck cancers.

Research directions:

1. Characterize novel anti-cancer molecules and cancer therapeutics;

2. Identify molecular biomarkers for developing diagnostic and prognostic methods for thyroid carcinoma and head & neck cancers

Objectives: Understanding genomic and proteomic characteristics underlying cancer development. Discovering novel predictive markers to detect cancers earlier, when cure rates are highest, and novel prognostic markers to evaluate patient survival; and developing effective therapy strategy using molecular testing of patient response to drug treatment.

1. Establishing the informative clinical database for head & neck and thyroid cancers. Database integrating molecular, histopathological and clinical information greatly expands our understanding of the molecular basis of tumor progression and helps develop prognostic and predictive markers with specific clinical contexts.

2. Investigating molecular genetics, their biological functional roles in oral and thyroid cancer with the goal of discovering novel anti-cancer molecules to improve cancer therapies. We want to gain a better understanding of how clinic genomic and proteomic characteristics work together to affect oral or thyroid cancer progression and prognosis.

3. Identifying gene signatures and developing molecular biomarker based methods for cancer diagnoses and prognoses with small amounts of FFPE tumor material, fine needle aspiration (FNA) biopsy, circulating tumor cells or patient blood samples.

4. On-site laboratory molecular testing of patient tumors to assist cancer risk diagnosis and the selection of patients for treatment, and to develop treatment strategies for precise medicine therapies of head & neck and thyroid cancers.

5. International collaboration for clinical oncology. Interpretation of clinic impact will require a coordinated effort from different clinical laboratories/hospitals across the community for patient cohort sharing, analyzing and curating data to advance genomic medicine.

Head & Neck Translational Program

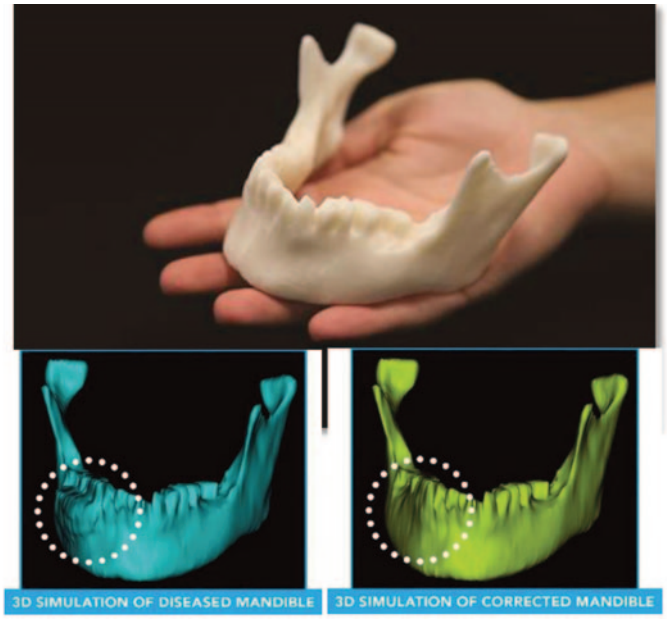
Fei-Fei Liu

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

Each year, our team publishes over 100 peer-reviewed publications in leading scientific journals. This year has seen numerous advances in HNC research. In the first half of 2018, Dr. Fei-Fei Liu's group had already published two studies in Oncogenesis and Int J Radiat Oncol Biol Phys. The first study by Bissey et al. revealed a novel mechanism of chemoresistance in nasopharyngeal carcinoma (NPC) via miR-449b, an overexpressed gene from the group's previously validated 4-microRNA signature predictive of distant metastasis risk in NPC. The second study by Kwan et al. demonstrated that radiomic biomarkers improve the risk stratification of distant metastasis in patients with non-metastatic human papillomavirus (HPV)–related oropharyngeal cancers (OPCs). Used alone or in conjunction with other clinical factors, these radiomic biomarkers will allow for greater precision when assigning systemic therapy for non-metastatic HPV-related OPC.

Furthermore, Dr. Liu was the co-chair of the 2018 Gordon Research Conference for NPC, "New Perspectives on the Virus-Host Interplay in Nasopharyngeal Carcinoma and Their Impact on Diagnosis and Therapeutic Interventions" held in Hong Kong. The conference highlighted many recent advances in various fields of NPC, ranging from Epstein-Barr virus (EBV) infection in pathogenesis, elucidation of the genetic landscape and signaling pathways, advances in detection and diagnosis, plus novel therapeutic approaches. The conference was a massive success, and provided an open forum for internationally renowned clinicians and scientists to exchange and brainstorm on cutting-edge research, identify challenges in therapy, and formulate innovative strategies against NPC.

Head and Neck Surgery



Guided Therapeutics (GTx) Research

Jonathan Irish, David Goldstein, Michael Daly

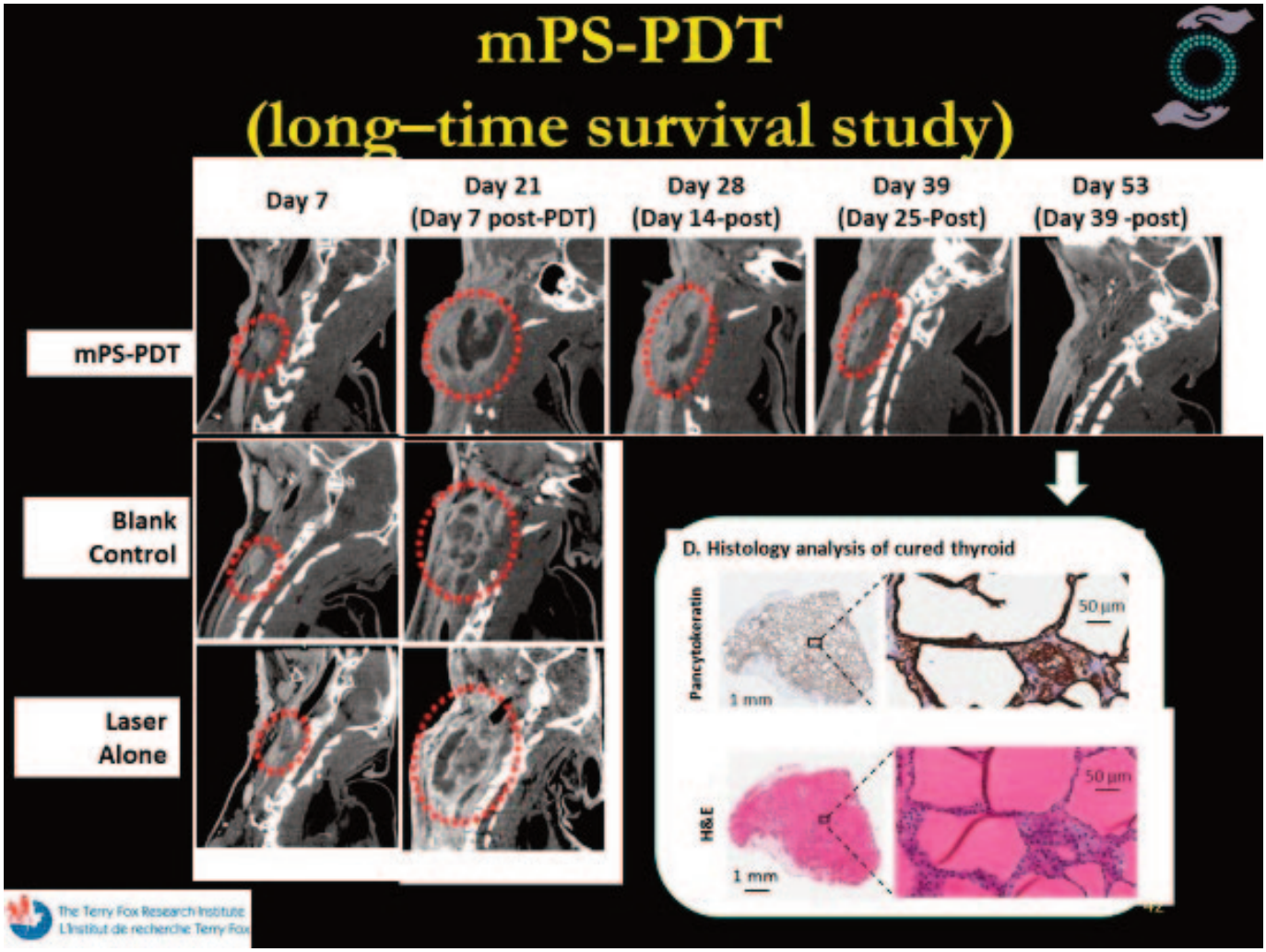
GTx Program Manager/Scientist: Dr Jason Townson

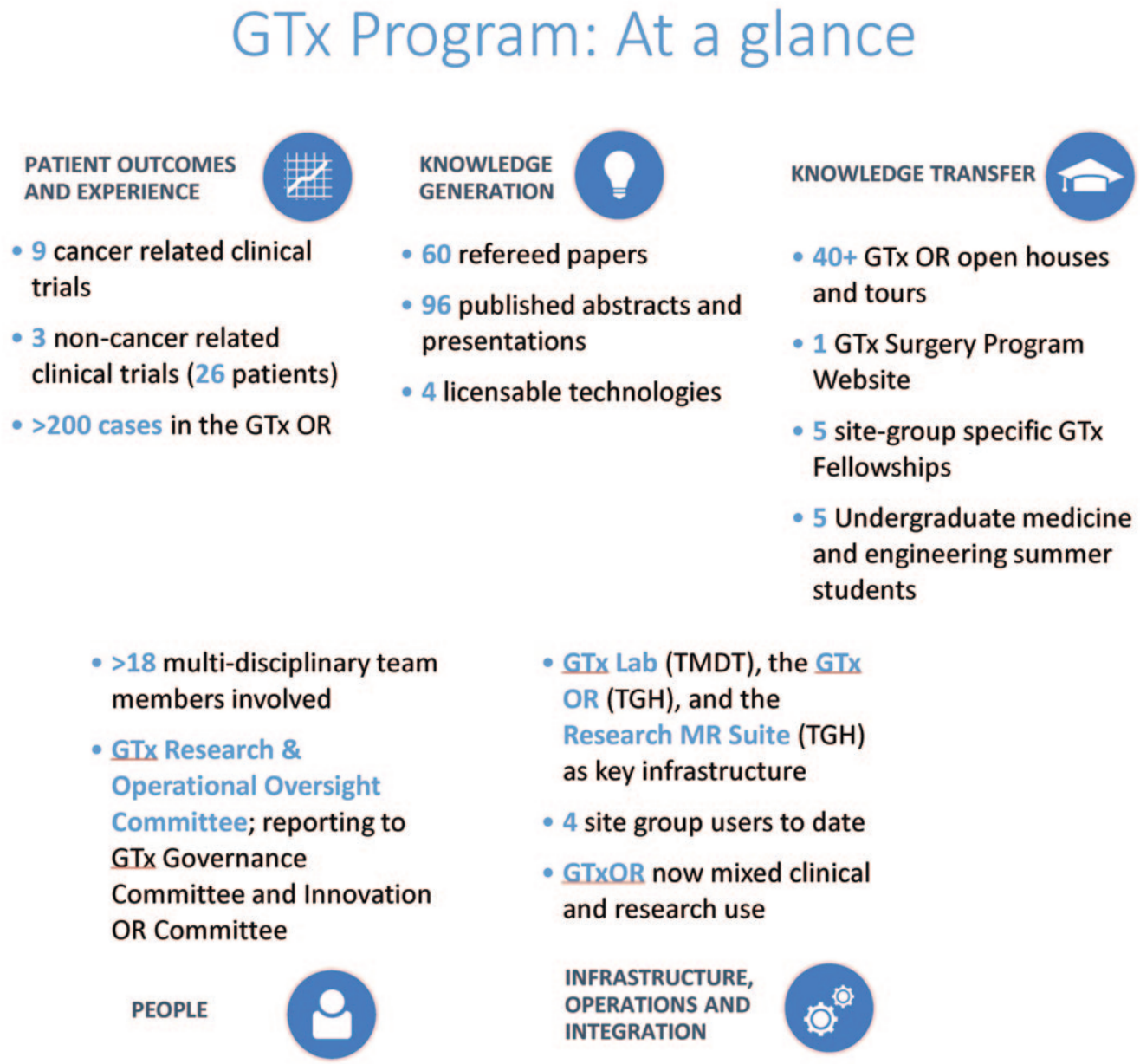
The GTx Research Program, part of UHN's TECHNA Institute, continues to lead and support research and development activities in head and neck, skull base, thoracic and sarcoma cancer surgery, as well as translational clinical trials, in all four clinical areas. This research is completed by our multidisciplinary team, composed of surgeons, radiation physicists, engineers, programmers, chemists, cancer biologists, and imaging specialists, using the key GTx infrastructure consisting of the GTx Operating Room (GTx-OR at the Toronto General Hospital) and the GTx-Lab (at Princess Margaret Cancer Research Tower). During the past year, the GTx Program focused on translational research and development of a broad range of new and continuing research projects:

- Adapting and assessing GTx surgical navigation tools in mandibular and maxillary surgeries;
- Improving reconstruction through new 3D modelling and printing capabilities;
- Developing fluorescent nanoparticles to guide surgery;
- Developing therapeutic nanoparticles to open the door for first-in-human nano-surgery;
- Quantification of circulating tumour cells (CTCs) in thyroid cancer patient blood (liquid biopsies);
- Developing GTx technologies for other types of cancer;
- Applying intraoperative dual energy CT scanning capability in the operating room to increase the sensitivity of non-invasive imaging;
- Refining intraoperative cone-beam CT scan imaging;
- Developing endoscopic navigation for better mapping of brachytherapy;
- Initiating a new collaboration with the National Optics Institute (INO) in order to evaluate sample adequacy using spectroscopic methods for point-of-care testing for thyroid fine needle aspiration (FNA) samples;
- Initiating a new collaboration with University of Guelph faculty to explore the potential benefits of improved size scale relevancy and natural tumour progression characteristics using canine models for late stage cancer therapeutics;
- Developing augmented reality (AR) and virtual reality (VR) technologies for surgical applications;
- Developing mobile phone applications to allow patients to perform the Epley maneuver at home with VR guidance;
- Continuing co-ordination of GTxOR research activities while increasing clinical service time to accommodate additional clinical and research programs;
- Training of undergraduate and graduate students and clinical fellows, and;
- Continuing collaboration with Drs. Wunder and Ferguson in order to translate GTx surgical

navigation technology to Mount Sinai ORs for osteosarcoma surgeries. Prior research from this collaboration was recently published in The Journal of Bone and Joint Surgery (Sternheim et al, May 2018).

The GTx Program was the recipient of a $7M 5-year Terry Fox New Frontiers Program Project Grant for "Porphysome Nanoparticle-Enabled Image-Guided Cancer Interventions" which was announced in September of 2017. The Project leaders are Gang Zheng, Brian Wilson and Jonathan Irish. This grant will support the GTx Program's continued research and development of porphysome nanoparticles (developed by and in collaboration with Dr. Gang Zheng) as an imaging and therapeutic (theranostic) agent for thyroid and oral cavity cancers. As part of the Terry Fox Research Institute funded project, the GTx program continues to play a significant role in development and translation of porphysome nanoparticles for application in thyroid and mucosal head and neck cancers. During the last year the primary focus was on determining the safety, efficacy and specificity of a porphysome subtype, the miniporphysome, for photodynamic therapy (PDT) of thyroid cancer. In mouse and rabbit models it was observed the porphysome mediated PDT led to highly specific and effective apoptosis only in tumour tissue. Additionally, longitudinal studies revealed that porphysome mediated PDT was sufficient to eradicate thyroid tumour in rabbits without damaging proximal tissues including healthy thyroid, the recurrent laryngeal nerve or trachea. These promising results are consistent with previous porphysome results observed by the GTx lab in other head and neck models, and continues to assist in paving the way to first in human clinical trials in coming years.





Facial Plastic & Reconstructive Surgical Research

Peter Adamson

The following research papers were completed over the past academic year:

"Current Practice Patterns Among Rhinoplasty Surgeons: How Closely Do They Reflect Clinical Practice Guidelines", by Carniol E, Adamson PA.

"Impact of Cosmetic Procedures on Social Media Posting"

Retrospective study examining the frequency of selfie posting prior to and following cosmetic procedures (injectable fillers and rhinoplasty) by Taki NH, Asaria J.

"Trends in Rhinoplasty 2012-2016: Incidence, Risk Factors, and Thirty-Day Complication Rates" by Roskies MG, Asaria J, Fritz M.

"Retrospective Review of the Use of a Miniplate in Septal Reconstruction" by Abou Sheleib W, Smith O.

Rhinology

Rhinology/Skull Base Research (SHS)

Ian Witterick, Allan Vescan, Eric Monteiro, John de Almeida

There are a variety of clinical and basic science research projects planned or underway at SHS in rhinology, anterior skull base, education, simulation and quality/safety. The rhinology/anterior skull base projects include the development of quality indicators for chronic rhinosinusitis, validation trials of a sinus/skull base simulator and continuing validation of a skull base quality-of-life instrument. Patient education videos and other quality indicators (e.g. endoscopic sinus surgery) have also been foci of our research.

Rhinology Research (SMH)

John Lee

2017-2018 was another busy year for our rhinology research program here at St. Michael's Hospital. First of all, I would like to thank our former research coordinator William To who has moved on to a new position in the Ontario Institute for Cancer Research. William was instrumental in helping set up the Nasal and Sinus Physiology Lab and we wish him well in his new endeavours. I would also like to welcome Andrea Figol, who joins our department as our new research coordinator. She has extensive experience after working in the Division of Cardiology and we are excited to have her on our team.

Some highlights from this past year:

1) A total of 3 peer-reviewed manuscripts and 3 conference proceedings were published in major rhinology and skull base surgery journals. Some of the topics included a study examining sinonasal quality of life after endoscopic transsphenoidal surgery (ETSS) and another paper analyzing maxillary sinus inverted papilloma attachment sites to help minimize disease recurrence. A special thank you to Dr. Vincent Wu who was the first author on two of the manuscripts.

2) Studies from our rhinology research program were chosen for scientific presentation at the North American Skull Base Society Annual Meeting, the American Rhinologic Society Spring Meeting, as well as the Canadian Society of Otolaryngology-Head & Neck Surgery Annual Meeting. We presented research investigating surgical working space in endoscopic transsphenoidal surgery as well as the impact of septal deviation on chronic rhinosinusitis in patients undergoing revision sinus surgery.

3) Our nasal and sinus physiology laboratory was featured in a news article from St. Michael's InTouch Magazine. http://www.stmichaelshospital.com/media/detail.php?source=hospital_news/2017/1208

Once again, I am indebted to the hard work of our medical students and resident trainees who are such a big part of the success of our research team. Without all of their interest and dedication, we would not be able to continue to advance our rhinology mission here at St. Michael's Hospital. This upcoming year, we have several studies and multi-centred trials that will be in the recruitment phase examining topics ranging from olfaction following ETSS to the benefits of in-clinic nasal polypectomy. Additionally, we have embarked on a prospective study of sinus disease in our cystic fibrosis patients in collaboration with our internationally recognized cystic fibrosis team here at St. Michael's Hospital.

Voice and Upper Airway

Paediatric Voice & Airway Research Lab

Paolo Campisi, Evan Propst and Nikolaus Wolter

The PaediatricVoice Laboratory at the Hospital for Sick Children has been primarily involved in voice outcomes and epidemiological research. The laboratory collaborates with Laurie Russell, speech-language pathologist and Kim Simpson, clinical research assistant.

Recent and ongoing projects include: A multicentre randomized-controlled trial that included Toronto, Boston, Milwaukee and Philadelphia was recently published in JAMA Otolaryngology Head and Neck Surgery that compared two voice therapy approaches for the treatment of vocal fold nodules in children. More importantly, the collaboration has established a working model for future multi-centre studies. At the end of 2017, the laboratory began collating 10-year follow up data on the incidence and prevalence of recurrent respiratory papillomatosis locally and nationally. The data will be fully collected and analyzed in 2018 and will represent the most robust population level study that will definitively characterize the impact of HPV vaccination on disease burden.

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

Voice and Upper Airway Laboratory

Jennifer Anderson & R. Jun Lin

Dr. R. Jun Lin is a new faculty member with a Master's degree in clinical trials research and a new associate of the St. Michael's Hospital Li Ka Shing Research Institute. Dr. Lin has already initiated several interesting research projects including a qualitative study on prebylarynges, effect of voice research post phonosurgery, and an animal model investigation into the use of the blue light versus KTP laser in the larynx.

Several projects in laryngology research were concluded with presentations and publications in the past year. A trainee and fellow project included a quality and safety initiative on performing outpatient laryngology laser procedures, with the paper published in the white journal (Otolaryngology-Head and Neck Surgery).

A multi-year project in collaboration with speech pathology and a vocal pedagogist also was presented at an international meeting, and published in JAMA, in the past year on randomized controlled evaluation of vibration therapy in singers.

Two other completed projects have papers under review; one in collaboration with medical imaging on dynamic CT scanning in thyroplasty, and a second trainee research project on tracheostomy care pathways in an academic hospital.

Humanitarian Outreach

Humanitarian Outreach

Canada International Scientific Exchange Program (CISEPO)

Dr. Arnold Noyek, OC, MD, FRCSC, FACS

The reader will find more information at www.CISEPO.ca

Face the Future™ Foundation

Dr. Peter Adamson, MD, FRCSC, FACS

Face the Future™ Foundation celebrated its 22nd year of leading international surgical missions to less-developed countries. Two major missions this year brought the total number of major missions to 34, in addition to several other smaller missions over the years. Dr. Adamson continues in his role as President and Founder of the Foundation and Chairman of the Board of Directors. This year participating surgeons, anaesthesiologists and nurses came from Canada, the United States and Germany. They included facial plastic and reconstructive surgeons, head and neck reconstructive and microvascular surgeons, oral maxillofacial surgeons, paediatric general surgeons, paediatric urologists, anaesthesiologists, hospitalists, and operating room nurses.

The missions have been funded from the outset through a generous endowment by one of Dr. Adamson's patients. Since 2006 an annual fundraising event has also been held, and corporate donations have been received in the form of grants and provision of equipment and supplies. Over the past seven years, the Department of Otolaryngology-Head & Neck Surgery has provided financial support for selected senior residents to participate in these missions as part of the university's Global Health Outreach Program. This year the foundation received a grant from RealSelf to sponsor its team leader to Rwanda. Although no University of Toronto residents participated on missions this year, it is hoped and expected that this will occur in future years once again.

The philosophy and goals of the Face the Future surgical missions have been to establish partnerships with local surgeons who identify for our visiting team the types of patients they are unable to care for because of lack of knowledge, experience or equipment. Our foundation partners with local hospitals, ministries of health and other community leaders to develop long-term relationships such that capacity can be built and sustainability achieved in the local community. Activities include providing consultative and surgical services as well as hands-on teaching in the operating room, the intensive care units and on the wards. Through these activities there is a knowledge and capability transfer throughout the hospital to all healthcare workers. The majority of our team members commit to participating annually on the missions such that trust and productivity continue to grow with each mission.

The foundation had its sixth major mission to the Rwanda Military Hospital (notwithstanding the name, a large public hospital) in Kigali from February 25 to March 3, 2018. The team consisted of 17 members, with Dr. Adamson, the Chef de Mission and Dr. Ife Sofola of Houston as Team Leader. Team members came from Baylor University, Johns Hopkins University, Harvard University and Regensburg University. It included five facial plastic surgeons, three head and neck reconstructive and microvascular surgeons, three anesthesiologists, a hospitalist, a nurse educator and four operating room nurses.

65 patients were seen for screening and 40 patients were selected for surgery. 65 procedures were carried out, including seven free fibular flaps, three anterior lateral thigh flaps, one pectoralis major flap and two forehead flaps as well as other major procedures for head and neck tumors, congenital facial clefts, microtia and post-traumatic injuries.

The hospital is just about to open its very first radiotherapy treatment facility for the entire country and discussions are underway as to how our foundation may support this effort.

During April 9-14, 2018, the foundation supported its seventh mission of seven to the Ulyanovsk Regional Pediatric Hospital in southern Russia. The team consisted of two facial plastic surgeons, one oral maxillofacial surgeon, a paediatric general surgeon, a paediatric neurologist, a surgical resident and an operating room nurse. More than 60 patients were seen for screening, 26 operated upon and 54 procedures completed. These included microtia repair, traumatic nasal reconstructions, scar revisions, congenital maxillofacial reconstructions, and correction of congenital gastrointestinal and urologic conditions in infants and young children. Continuing professional development was carried out in the operating room, on the wards, in the recovery room, and through specialized case presentations and discussions.

The hospital is currently undergoing renovation and is creating a new Department of Otolaryngology clinic and ward. In recognition of the Face the Future team's contributions to the development of the specialty, as well as care for patients, the new facility has been named the Dr. Peter Adamson Department of Otolaryngology.

The foundation is seeking to expand the number of missions each year. In October 2017, Dr. Adamson went on a pilot mission to Addis Ababa, Ethiopia and has since signed a Memorandum of Understanding with the Department of Dentistry and Maxillofacial Surgery within the Faculty of Medicine to begin a mission managing maxillofacial tumors. In addition, Dr. Adamson went on a pilot mission to Santo Domingo, Dominican Republic, in February 2018 and discussions are ongoing to establish a mission to the country's major trauma hospital. Discussions are at an earlier stage to potentially develop a mission to Kathmandu, Nepal for the care of burned patients and to a pediatric hospital in Cochabamba, Bolivia. To realize these goals Dr. Adamson will be focusing more on the foundation and its surgical missions as he transitions from his surgical practice in June 2018.

Face the Future's annual fundraising event was held at the Rosewater Room on May 23, 2018. The event was sold out with 170 participants. Through the silent auction and other donations from friends of the foundation, funds were received to support the ongoing efforts to expand the activities of the foundation.

The Face the Future™ Foundation would like to express its gratitude to Dr. Ian Witterick and the Joseph K.H. Wong/Smile China Project Award in Global Health and Outreach for their ongoing support of the Face the Future™ Foundation surgical missions.

Some members of our joint team on daily rounds. Kigali, Rwanda 2018

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

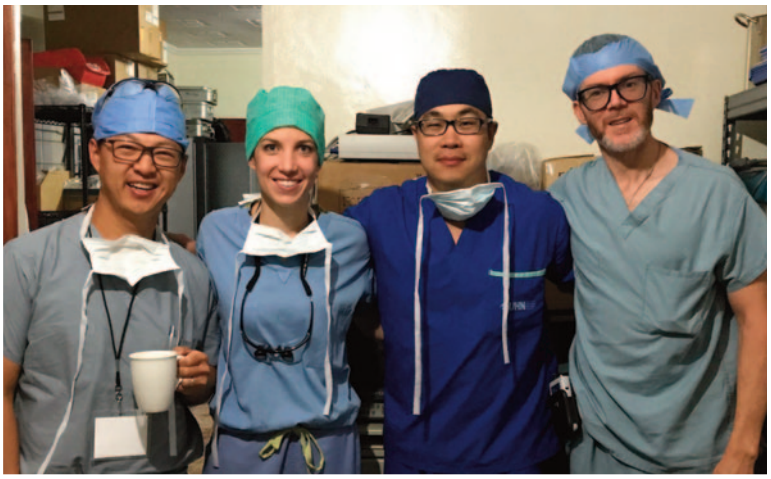
Mission to Migori, Kenya

Drs. Kevin Higgins, Vincent Lin, Gordon Tsang, Sunnybrook HSC

This year, Drs. Higgins, Tsang and Lin joined a team based out of the University of Michigan and sponsored by Kenya Relief on a short term surgical mission to Migori, Kenya. The trip was from September 14-24, 2018.

During the trip the doctors assessed and treated over one hundred patients and operated on over 30 cases. Cases done include large thyroid goitres, pleomorphic ex carcinoma of the parotid, large post-auricular keloids, tympanic membrane perforations, and even finger lacerations! After the trip the team

enjoyed a day at the famous Masa Mara reserve and saw a wide array of the large game including giraffes, zebras, lions, cheetahs, rhinos, and wildebeest. The group is thankful to Smile China for its support and our next trip is planned for September 2018.



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BOOKS

CAMPISI, P
Campisi, P. Recurrent Respiratory Papillomatosis. Springer, 2017 Oct. Editor.

CHAN, Y
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Campisi P. Summary of Clinical Studies of Adjuvant Therapies (Excluding Cidofovir) Used in the Management of Recurrent Respiratory Papillomatosis Reported between 2000 and 2017. **IN:** Recurrent Respiratory Papillomatosis. pp 147-149. Springer Publishing. 2017.

Carniol ET, Adamson PA, Surgical Tips for Management of the Wide Alar Base IN: Managing the Thick Skin in Facial Plastic Surgery, ed. Cobo, Facial Plastic Surgery, Thieme Medical Publishers, Inc., New York, NY. Vol. 34, No.1, pp 29-35, Feb 2018.

Dmytriw A, Rutka JA, Sahgal A, Yu E, Som P. Posttreatment Appearance following Skull Base Therapy. IN: Skull Base Cancer Imaging. Thieme; 2018.

Foreman A, Gullane P. Overview of head and neck tumors **IN:** Plastic Surgery - Craniofacial, Head and Neck Surgery. P Neligan (Ed). Fourth Edition. Volume 3. Chapter 16. Section II: Head and Neck Reconstruction. Pages 401-426, 2018.

Ganeshathasan R, Rahmani A, Szeto S, Zahr S, Leem S, Shafarenko M, Kim JK, Shan S, Irish JC, Propst EJ. Otolaryngology – Head & Neck Surgery. **IN:** Binesh Marvasti T, McQueen S, editors. Toronto Notes 2018. Toronto (Canada): Type and Graphics; 2018.

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James AL. Predictive factors for recurrent cholesteatoma in children. **IN:** Yung, M. ed. Cholesteatoma and ear surgery – an update 2017. Proceedings of 10th International Conference on Cholesteatoma and Ear Surgery 2016. Amsterdam: Kugler Publications; 2017:pp. 127-132.

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Lin RJ, Rosen CA. Contemporary management of recurrent respiratory papillomatosis in adults. **IN:** Recurrent Respiratory Papillomatosis. 1st ed. Chapter 7, pg. 103-114. Campisi P. Springer. October 2017.

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Parkes WJ, Cushing SL, Papsin BC. Cochlear Implants: Surgical Technique and Complications. **IN:** Otolaryngology: Principles and Practice. (United States) Paparella MM, editor(s). JP Medical Publisher; 2018 Feb.

Perez-Lara A, Yu E, Forghani R. Cross sectional Computed Tomography and Magnetic Resonance Imaging Atlas of the Skull Base. **IN:** Skull Base Cancer Imaging. Thieme; 2018. Co-author.

Sarcu D., Adamson PA., Psychology of the Facelift Patient **IN:** Facial Plastic Surgery, 2017, 33: 252-259, Thieme, New York, NY.

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Tsang G, Chan Y. History of Rhinology. **IN:** Rhinology and Allergy: A Clinical Reference Guide. Senior BA, Chan Y, editor(s). Plural Publishing; 2018.

Yip J, Monteiro E. Chapter 20: Sinonasal Manifestations of Systemic Diseases **IN:** Rhinology & Allergy – Clinical Reference Guide. Published March 2018.

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CHEPEHA, D

2018 Jan — Stifling a Sneeze Can Cause Injuries in Rare Cases, Experts Say. City Pulse, Published Monday, January 15, 2018. [Television Broadcast Interview].

CHIODO, A

2018 Feb — Improving access to care for emergency department patients presenting with dizziness (Proceedings of International Conference for Healthcare and Medical Students (ICHAMS) 2018 meeting, Ireland February 16, 2018)

ENEPEKIDES, D

2018 May — Sunnybrook Magazine, Spring 2018. Second chances. An innovative surgery helps a young quadriplegic man realize his dream to play on Canada's wheelchair rugby team. http://health.sunnybrook.ca/magazine/spring-2018/innovative-surgery-canadian-athlete/

ESKANDER, A

2018 Jun — Canadian Society of Otolaryngology Annual Meeting, Quebec, QC. Authors: C. Allen-Ayodabo, A. Eskander, A. Mahar, Q. Li, S. Singh, N. Coburn, Title: Predictors of Symptom Index Questionnaire (Edmonton Symptom Assessment System; ESAS) Completion Among Oral Cavity and Oropharyngeal Head and Neck Cancer Patients in Ontario: A Longitudinal Population-based Study.

2018 Feb — [40(2):449] Head Neck. Moubayed SP, Eskander A, Mourad MW, Most SP. Reply to Letter to the Editor regarding "Systematic review and meta-analysis of venous thromboembolism in otolaryngology-head and neck surgery".

2017 Sept — American Academy of Otolaryngology - Head & Neck Surgery Annual Meeting, Chicago, IL. Quality Metric Predictors in Free Flap Reconstruction.

2017 Sept — American Academy of Otolaryngology - Head & Neck Surgery Annual Meeting, Chicago, IL. Predictors of complications in head and neck free flaps.

FREEMAN, J

2017 Dec	Two Useful Adjuncts to Thyroid Oncologic Surgery: The Ansa to Recurrent Nerve Anastomosis and Mediastinoscopy Approach to Metastatic Disease. Vosler P, Busato G, Dixon P, Cypel M, Freeman JL, VideoEndocrinology. December 2017, Vol. 4, No. 4.

GEVORGYAN, A

2018 Jan	Letter to Editor. Hoarseness of unclear origin in adults. CMAJ 190 (3) E80. http://www.cmaj.ca/content/190/3/E80/tab-e-letters.

HARRISON, R

2017 Sept	Differences in capillary network structure between primary and non-primary auditory cortex. Abstracts of: Auditory Cortex, Biannual Conference. Banff, AB.
2017 June	Central auditory changes in sensorineural hearing loss. Abstracts of the International Federation of Otolaryngology Societies (IFOS), Ear Nose and Throat (ENT) World Congress. Paris.
2017 June	The pathogenesis of CMV related hearing loss. Abstracts of the International Federation of Otolaryngology Societies (IFOS), Ear Nose and Throat (ENT) World Congress. Paris.
2017	An improved classification of sensorineural hearing loss. Abstracts of Annual meeting of the ORL society of Japan. Hiroshima, Japan.

HIGGINS, K

2017 Aug	Featured Surgeon. Global National/Global News “Thyroid cancer on the rise”.

LEE, J

2017 Dec	Gregory Winson. Non-invasive test could be a marker for healthier sinuses. St. Michael’s Hospital In Touch Magazine. Available from: http://www.stmichaelshospital.com/media/detail.php?source=hospital_news/2017/1208 Acknowledged in Publication (Not Author).

LIN, V

2017	Nedzelski JM, Chen JM, Lin VYW, Dabdoub A. Introduction to the 14th International Symposium on Cochlear Implants and other Implantable Auditory Technologies, Toronto, ON. May 11 to 14, 2016. Otology & Neurotology, 38 (8), p. e214.

NG, R

2018 Mar	University of Toronto, Boundless Article.
2017 June	A1 Chinese Radio Program Host: Mary Yang . Topic: How sleep affects memory, problem solving and other cognitive functions.

PAPAIOANNOU, V

2017 Nov	Interviewee, Newborn Successfully Receives Cochlear Implants, CTV Nightly News Health Segment with Pauline Chan, CTV, Toronto, ON.

RUTKA, J

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

SOLOMON, P

2017	National Post, referenced on use of Botox and dermal fillers in article, "Ever wonder why Vladimir Putin doesn't age. We asked some cosmetic surgeons". Toronto, ON.
2006-2017	Fashion Magazine, one of featured cosmetic surgeons in Canada. Toronto, ON.

WOLTER, N

2018 Jan	When swallowed, button cell batteries can badly burn a child's throat. Arti Patel. Global News. https://globalnews.ca/news/3953863/children-swallowing-batteries/

PEER-REVIEWED PUBLICATIONS

Listed by Journal Name

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Monopoly Airplane Lands in Esophagus Leading to Difficult Extraction: A Case Report on Anesthesia and Surgical Considerations
(2017) A & A Practice: Case Reports, 9 (7), pp. 193-196.

Acta Neuropathology

Sahm F, Toprak UH, Hübschmann D, Kleinheinz K, Buchhalter I, Sill M, Stichel D, Schick M, Bewerunge-Hudler M, Schrimpf D, Zadeh G, Aldape K, Herold-Mende C, Beck K, Staszewski O, Prinz M, Harosh CB, Eils R, Sturm D, Jones DTW, Pfister SM, Paulus W, Ram Z, Schlesner M, Grossman R, von Deimling A.
Meningiomas Induced by Low-dose Radiation Carry Structural Variants of NF2 and a Distinct Mutational Signature.
2017 Jul; Acta Neuropathol; 134(1):155-158.

Aesthetic Plastic Surgery

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Use of Computer Imaging in Rhinoplasty: A survey of the practices of facial plastics.
Aesthetic Plastic Surgery. 2017, 41(4), 898-904.

Allergy: European Journal of Allergy and Clinical Immunology

Segboer CL, Terreehorst I, Gevorgyan A, Hellings PW, van Drunen CM, Fokkens WJ.
Quality of Life is Significantly Impaired in Nonallergic Rhinitis Patients.
(2018) Allergy: European Journal of Allergy and Clinical Immunology, 73 (5), pp. 1094-1100.

American Journal of Neuroradiology

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MRI Characteristics of Primary Tumors and Metastatic Lesions in Molecular Subgroups of Pediatric Medulloblastoma: A Single-Center Study. 2018 May; ANJR. 39(5): 949-955.

American Journal of Otolaryngology - Head and Neck Medicine and Surgery

Naunheim MR, Le A, Dedmon MM, Franco RA, Anderson J, Song PC.
The Effect of Handedness and Laterality in a Microlaryngeal Surgery Simulator.
(2017) American Journal of Otolaryngology - Head and Neck Medicine and Surgery, 38 (4), pp. 472-474.

Tabanfar R, Chan HHL, Lin V, Le T, Irish JC.
Development and Face Validation of a Virtual Reality Epley Maneuver System (VREMS) for Home Epley Treatment of Benign Paroxysmal Positional Vertigo: A randomized, controlled trial.
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Parente DN, Kluijfhout WP, Bongers PJ, Verzijl R, Devon KM, Rotstein LE, Goldstein DP, Asa SL, Mete O, Pasternak JD.
Clinical Safety of Renaming Encapsulated Follicular Variant of Papillary Thyroid Carcinoma: Is NIFTP truly benign?
(2018) World Journal of Surgery, 42 (2), pp. 321-326.

World Neurosurgery

Fernández-Gajardo R, Almeida JP, Suppiah S, Witterick I, Zadeh G.
Ethmoid Meningoencephalocele in a Patient with Cerebrofacial Arteriovenous Metameric Syndrome.
(2018) World Neurosurgery, 114, pp. 1-3.

NON-PEER REVIEWED PUBLICATIONS

ESKANDER, A

Zhou T, Eskander A, Old MO, Kang SY, Teknos TN.
Surgical considerations in advanced basal cell carcinoma, cutaneous squamous cell carcinoma, and cutaneous melanoma: a head and neck perspective.
April 25 2018. Current Otorhinolaryngology Reports.

FALLS, C

EBM Stats Calc: there's a stat for that.
2018, ENT & Audiology News (Tech Reviews).27, 2.

Connecting Healthcare: In Conversation with Julian Hamann.
2018, ENT & Audiology News (Tech Reviews). 26, 3.

HARRISON, R

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

Presentations

Visiting Professorships and Invited Lectures

INTERNATIONAL MEETINGS

AUSTRALIA

LE, T

2017 Nov — Invited Speaker. Magnetic stem cell targeting to the inner ear. MedEl Hearing Preservation Workshop, Perth, Australia. Le TN, Straatman LV, Yanai A, Garnis C, Urs H, Rahmanian R, Poblete T, Westerberg BD, Gregory-Evans K.

PAPSIN, B

2018 May — 1) Keynote Address. One is the Loneliest Number: Single-Sided Deafness in the Context of Vestibular and Auditory Development. 2) Panellist. Changing face of technology and candidature, How to refer. Audiology Australia National Conference 2018, Sydney, Australia.

AUSTRIA

ENEPEKIDES, D

2018 May — Invited International Faculty, Approaches to the Parapharyngeal Space. 9th AOCMF Advances in Operative Techniques in Oral and Maxillofacial Surgery (with Human Anatomical Specimens). Vienna, Austria.

2018 May — Invited International Faculty, Approaches to the Anterior Skull Base. 9th AOCMF Advances in Operative Techniques in Oral and Maxillofacial Surgery (with Human Anatomical Specimens). Vienna, Austria.

BARBADOS

CHEN, J

2018 May — Invited Speaker. Quality of life improvement and cost effectiveness is bilateral cochlear implantation. Caribbean Association of Otolaryngology Annual Meeting, Barbados.

2018 May — Invited Speaker. Facial nerve tractography- a glimpse into the future in preoperative strategy in acoustic neuroma surgery. Caribbean Association of Otolaryngology Annual Meeting, Barbados.

2018 May — Invited Speaker. Update in the surgical management of single sided deafness – choosing a Bone Bridge active BC device or a Cochlear Implant. Caribbean Association of Otolaryngology Annual Meeting, Barbados.

BELGIUM

DABDOUB, A

2018 June — Invited Speaker. Endogenous neuron regeneration. International Conference on Cochlear Implants 2018. Antwerp, Belgium.

INTERNATIONAL MEETINGS (continued)

2018 June — Invited Speaker. Wnt activation and Notch inhibition extends the regenerative time window for sensory hair cells in the mammalian cochlea. International Conference on Cochlear Implants 2018. Antwerp, Belgium. Dabdoub A, Samarajeewa, A.

LIN, V

2018 June — Invited Speaker. The Role of the Family in Patients with Cochlear Implants. 15th International Conference on Cochlear Implants and Other Implantable Auditory Technology (CI 2018). Antwerp, Belgium.

2018 June — Moderator. Challenging Cases with Complex Families in Children with Cochlear Implants. 15th International Conference on Cochlear Implants and Other Implantable Auditory Technology (CI 2018). Antwerp, Belgium.

PAPSIN, B

2018 June — 1) Keynote Address. A 3-Dimensional Percept in the Absence of Fusion: What Cochlear Implants Have taught us About the Developing Auditory System, 2) Panel Presentation. Are There Hard Limits to Plasticity?, 3) Panel Presentation. Resolution of Abnormal Aural Preferences in Infants with Single Sided Hearing loss Receiving Cochlear Implantation. CI2018, 15th International Conference on Cochlear Implants and other Implantable Auditory Technology, Antwerp, Belgium.

BRAZIL

FREEMAN, J

2017 Aug — Keynote Speaker and Guest of Honour. Treatment of Parathyroid Carcinoma. Brazilian Head and Neck Society Annual Meeting,

PAPSIN, B

2018 Mar — Invited Speaker. One is the Loneliest Number: Single-Sided Deafness in the Context of Vestibular and Auditory Development. 10th IAPO International Symposium of Pediatric Otorhinolaryngology, Sao Paulo, Brazil (videoconference).

ZADEH, G

2018 Mar — Invited Speaker. Surgical approaches for parasellar meningiomas. State of the art in Neuro-oncology, at Society of Neuro-Oncology Latin American, SNOLA 2018 conference, Sao Paulo, Brazil.

2018 Mar — Invited Speaker. Integrative treatment for meningiomas: for diagnosis to recurrence, State of the art in Neuro-oncology, at Society of Neuro-Oncology Latin American, SNOLA 2018 conference, Sao Paulo, Brazil.

2018 Mar — Invited Speaker. Adult brainstem intrinsic glioma: diagnosis pitfalls and current treatment', State of the art in Neuro-oncology, at Society of Neuro-Oncology Latin American, SNOLA 2018 conference, Sao Paulo, Brazil.

CANADA (International Meetings In Canada)

PROPST, E

2017 Dec — Invited Speaker. Panel discussion on Modern ART (Airway Reconstruction Teams), Society for Ear Nose and Throat Advances in Children (SENTAC). Panellists: Mike Apkon, Peter Cox, Shailendra Das, Osami Honjo, Claire Miller, Philippe Monnier.

INTERNATIONAL MEETINGS (continued)

2018 May Invited Speaker. Open airway surgery case presentations. International Paediatric Otolaryngology Update. Montreal, QC.

CHILE

GULLANE, P

2017 Nov Invited Speaker. Oral Cancer-Principles of Treatment. IFHNOS-World Tour. Santiago, Chile.

2017 Nov Invited Speaker. Skin Cancer and Head & Neck Melanoma – Surgical Treatment. IFHNOS-World Tour. Santiago, Chile.

2017 Nov Moderator and Speaker. Paranasal Sinuses and Skull Base. IFHNOS-World Tour. Santiago, Chile.

2017 Nov Video Session. Subglottic tracheal stenosis-management. IFHNOS-World Tour. Santiago, Chile.

2017 Nov Moderator. Minimally invasive surgery in Head & Neck cancer. IFHNOS-World Tour. Santiago, Chile.

2017 Nov Speaker. Larynx Cancer-Larynx Preservation-Surgical Options. IFHNOS-World Tour. Santiago, Chile.

2017 Nov Moderator and Speaker. Oropharynx Cancer-surgical options for salvage. IFNOS-World Tour. Santiago, Chile.

2017 Nov Video Session. Parotidectomy techniques. IFHNOS-World Tour. Santiago, Chile.

2017 Nov Panellist. Panel Discussion-Clinical Cases. IFHNOS-World Tour. Santiago, Chile.

CHINA

CHAN, Y

2017 Aug Invited Speaker. Post-operative Management of Chronic Rhinosinusitis. World Congress Rhinology 2017. Hong Kong, China.

2017 Aug Invited Speaker. Endoscopic Sinus Surgery Failures & Tips on Revision Surgery. World Congress Rhinology 2017. Hong Kong, China.

CHEPEHA, D

2017 Nov Invited Speaker. Microsurgical Techniques. 5th Head & Neck Dissection and Reconstruction Hands-on Course. Chinese University of Hong Kong, Shatin, Hong Kong.

2017 Nov Invited Speaker. Fibular Flap. 5th Head & Neck Dissection and Reconstruction Hands-on Course. Chinese University of Hong Kong, Shatin, Hong Kong.

2017 Nov Invited Speaker. Scapular / Parascapular system. 5th Head & Neck Dissection and Reconstruction Hands-on Course. Chinese University of Hong Kong, Shatin, Hong Kong.

INTERNATIONAL MEETINGS (continued)

LIU, F-F

2018 June — Invited Co-Chair. New Perspectives on the Virus-Host Interplay in Nasopharyngeal Carcinoma and Their Impact on Diagnosis and Therapeutic Interventions. Gordon Research Conference on Nasopharyngeal Carcinoma. The Hong Kong University of Science and Technology. Hong Kong.

2017 Nov — Invited Workshop. SBRT Seminar. Fudan University, Shanghai Cancer Center. Shanghai, China.

2017 Nov — Invited Workshop. SBRT Interactive Seminar at Chinese Academy of Medical Sciences Cancer Hospital. Beijing, China.

2017 Nov — Keynote Speaker. The Future of Radiation Medicine at Princess Margaret. 2017 CSTRO Annual Meeting. Beijing, China.

2017 Oct — Invited Speaker. Key Topics in the Modern Era, Translational Research in Oncology. Hong Kong University, Shenzhen Hospital. Hong Kong.

COLUMBIA

PAPSIN, B

2018 Mar — 1) Plenary Session Keynote and panel moderation. Bilateral Hearing, 2) Plenary session panellist Asymmetric and Single Sided Hearing Loss, 3) One is the Loneliest Number: Single-Sided Deafness in the Context of Vestibular and Auditory Development, 4) The Electrode-Neural Interface. 16th Symposium of Otology and Neurotology, Bogota, Columbia.

EGYPT

PAPSIN, B

2018 Feb — 1) Keynote Address. A 3-Dimensional Percept in the Absence of Fusion: What Cochlear Implants Have Taught us About the Developing Auditory System, 2) The Electrode-Neural Interface, 3) Cochlear reimplantation Disaster, 4) Stability, Fixation and Positioning Cochlear Implants in Infants Using a Pedestalled Cochlear Implant, 5) Video presentation. Expert panel on Cochlear Implant Technique. Egypt Cochlea 2018, Cairo, Egypt.

FRANCE

CAMPISI, P

2018 Mar — Poster presentation. Gnanasabesan C, Campisi P, Chiang J. A tracheostomy decannulation pathway in a pediatric rehabilitation hospital. International Home Mechanical Ventilation Conference. Lyon, France.

PAPSIN, B

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

INTERNATIONAL MEETINGS (continued)

GHANA

CHEPEHA, D

2018 May — Invited Speaker. Head and Neck Course- Anatomy Demonstration. 2nd African Head & Neck Society Annual Scientific Conference. Accura, Ghana.

GREECE

LIU, F-F

2018 June — Invited Chair. Session XI: Clinical -Therapeutic Implications. 5th International Conference on Tumor Microenvironment and Cellular Stress, Crete, Greece.

2018 June — Invited Speaker. Shifting fibroblasts between catabolism and anabolism through metabolic regulation governs extracellular matrix homeostasis, Session V: Tumor stroma and impact on tumor response to treatment. 5th International Conference on Tumor Microenvironment and Cellular Stress, Crete, Greece.

ICELAND

PAPSIN, B

2018 June — Invited Speaker. 1) Keynote Address. A 3-Dimensional Percept in the Absence of Fusion: What Cochlear Implants Have taught us About the Developing Auditory System. Nordic Audiology Society Conference 2018, Reykjavik, Iceland.

INDIA

GORDON, K

2018 Jan — Invited Speaker. The importance of providing bilateral hearing to children with hearing loss, 50th Indian Speech and Hearing Association Conference, Mysore, India.

2018 Jan — Invited Faculty. Workshop on Hearing Loss Diagnosis in Infants and Young Children: Objective Measures, 50th Indian Speech and Hearing Association Conference, Mysore, India.

GULLANE, P

2017 Nov — Invited Speaker. Oral Cancer Overview. IFHNOS-World Tour. Bengaluru, India.

2017 Nov — Invited Speaker. Salvage surgery for non-surgical treatment failures. IFHNOS-World Tour. Bengaluru, India.

2017 Nov — Panellist. Locally advanced oral cancer-management. IFHNOS-World Tour. Bengaluru, India

ZADEH, G

2018 Apr — Invited Speaker. Current approaches in the management of aggressive meningiomas in the molecular era, 10th Annual conference of the Indian Society of Neuro-Oncology-ISNOCON 2018. New Delhi, India.

2018 Apr — Invited Speaker. Panel discussion on meningiomas, New 10th Annual conference of the Indian Society of Neuro-Oncology-ISNOCON 2018. New Delhi, India.

INTERNATIONAL MEETINGS (continued)

2018 Apr — Invited Speaker. Meeting the experts session: Lessons learned from International Neuro-Oncology, 10th Annual conference of the Indian Society of Neuro-Oncology-ISNOCON 2018. New Delhi, India.

IRAN

GANTOUS, A

2017 Nov — International Faculty. 1) Bony Vault Surgery. 2) Tips for Revision Rhinoplasty. 3) Surgical Aesthetics of the Forehead and Upper Lid panel. 4) Lower Face and Neck Lift panel. 5) Managing the Saddle Nose Deformity. 6) Harvesting Rib Grafts: Reducing Pain. 7) The Alar-Columellar Relationship. 6th International Rhinology & Facial Plastic Surgery Congress. Tehran, Iran.

IRELAND

PAPSIN, B

2018 May — 1) Keynote Address. One is the Loneliest Number: Single-Sided Deafness in the Context of Vestibular and Auditory Development. 2) Debater for the Motion: Complex paediatric patients should not receive bilateral. British Cochlear Implant Group (BCICG) Annual Meeting, Belfast, Northern Ireland.

ISRAEL

CUSHING, S

2018 May — Invited Panel Chair. Round Table 8: Vestibular Function & Cochlear Implantation. 2018. MSOA. Jerusalem, Israel. Moderator: Cushing SL, Presenter(s): Dasgupta S, Kaufman-Yechezkely M, Rubinstein J, Sokolov M.

HARRISON, R

2018 May — Invited Keynote Speaker. Mediterranean Society for Otology and Audiology (MSOA). Jerusalem, Israel.

JAMES, A

2018 May — Panellist. Technique, tips and pearls in tympanomastoid surgery. 16th Mediterranean Society Otology & Audiology. Jerusalem, Israel. Presenter(s): Kaplan D, Gantz B, James AL, Nikolopoulos T, Attal P, Kameswaran M.

LIN, V

2018 May — Invited Speaker. Preoperative Considerations in Elderly Patients Undergoing Cochlear Implantation: Medical and Cognitive Implications. 16th International Meeting of the Mediterranean Society of Otology & Audiology, Jerusalem, Israel.

2018 May — Moderator. Otology Papers. 16th International Meeting of the Mediterranean Society of Otology & Audiology, Jerusalem, Israel.

INTERNATIONAL MEETINGS (continued)

WITTERICK, I

2018 Mar — 1) Instructional Course. Complication management: Rhinosinusitis and sinus surgery. 2) Keynote Lecture. Training future ENT surgeons. 3) Panel Moderator. Cerebrospinal fluid rhinorrhea: Challenges in diagnosis and management. 3) Keynote Lecture. Selection criteria for surgical management of skull base tumours. 4) Keynote Lecture. Minor salivary gland tumours of the paranasal sinuses. The Annual Meeting of the Israeli Society of Otolaryngology - Head and Neck Surgery. Eilat, Israel.

2018 Mar — Invited Speaker. Endoscopic management of sinonasal tumours. Department of Otolaryngology, Head and Neck Surgery and Maxillofacial Surgery. Tel Aviv Sourasky Medical Center, Tel Aviv, Israel.

ITALY

CAMPISI, P

2018 Apr — Visiting Professor. Bambino Gesu Airway Course. Rome, Italy.

JAMES, A

2018 Apr — Invited speaker. Top tips in TEES tympanoplasty. 7th International Workshop on Endoscopic Ear Surgery. Modena, Italy.

2017 Nov — Invited lecturer. How to get the best hearing results after cholesteatoma surgery? VIIth International Symposium on Childhood Deafness. Napoli, Italy.

2017 Nov — Invited lecturer. The uncertain prognosis of neonatal auditory neuropathy spectrum disorder. VIIth International Symposium on Childhood Deafness. Napoli, Italy.

JAPAN

FREEMAN, J

2017 Nov — Keynote Speaker. Management of Thyroid Nodules and Cancer: Why Less is More in 2017. 2nd Congress of Asia-Pacific Society of Thyroid Surgery. Okinawa, Japan.

JAMES, A

2018 June — Invited Speaker. Tops tips in TEES. 7th Hands on Seminar, University of Yamagata, Japan.

MYANMAR

IRISH, J

2017 Nov — Moderator, Future Opportunities in Head and Neck Oncology. 17th ASEAN Otorhinolaryngology Head and Neck Surgery Congress. Yangon, Myanmar.

2017 Nov — Invited Speaker, Multidisciplinary Approach in the Management of Head and Neck Cancers: The Future. The Operating Room of the Future: Nanomedicine and Innovative Guided Therapeutics to Maximize Outcomes. 17th ASEAN Otorhinolaryngology Head and Neck Surgery Congress. Yangon, Myanmar.

INTERNATIONAL MEETINGS (continued)

NETHERLANDS

CAMPISI, P

2017 Oct — Campisi P. The Status of Recurrent Respiratory papilloma Disease in the Era of HPV Vaccination. Eurogin 2017. Amsterdam, Netherlands.

NORWAY

ZADEH, G

2018 June — Invited Speaker. Using 2HG as a biomarker for diagnosis and predictor in gliomas. Session: Mechanisms and monitoring tumor progression; at the 22nd International Conference on Brain Tumor Research and Therapy (ICBTRT); Solstrand, the West Coast of Norway.

PORTUGAL

ADAMSON, A

2017 Sept — Invited Faculty. European Academy of Facial Plastic Surgery Annual Meeting, Lisbon, Portugal. Topics: Lateral Crural Strut Graft (video); Alar Base Refinement; Surgical Management of the Aging Forehead; Upper Blepharoplasty (video); Lower Blepharoplasty (video);
Forehead Life – Which Technique is Best? (Moderator); Otoplasty (video); Fillers, Fat and Neuromodulators (Moderator, Discussant); Rhinoplasty Video Panel (Moderator, Discussant); Rhinoplasty Panel (Moderator, Discussant).

GANTOUS, A

2017 Sept — Faculty. 1) Incisionless Otoplasty. 2) Harvesting a Rib Graft: Reducing Pain. 3) Ethnic Rhinoplasty: The Challenge of Practicing in a Multicultural Society. EAFPS Lisbon 2017. Lisbon, Portugal.

QATAR

IRISH, J

2018 Jan — Invited Speaker. Quality Improvement in Cancer Services: How Can WE Do Better? Department of Medical Oncology, Qatar National Cancer Treatment and Research Centre. Doha, Qatar.

2018 Jan — Invited Speaker. Point of Care Testing: Ultrasound, FNA and ATA Guidelines. Endocrine Site Group. Hamad Medical Centre, Doha, Qatar.

2018 Jan — Invited Speaker. From Point-of-Care to Global Impact: The Power of Data. Head and Neck Site Group. Hamad Medical Centre, Doha, Qatar.

2017 Oct — Invited Speaker. Quality Improvement in Cancer Services: How Can WE Do Better? Hamad Medical Centre Surgical Grand Rounds. Doha, Qatar.

INTERNATIONAL MEETINGS (continued)

SAUDI ARABIA

MONTEIRO, E

2017 Sept — Invited Lecturer. Advancing Safety for Patients In Residency Education 2 (ASPIRE 2). Royal College of Physicians and Surgeons International. National Guard – Riyadh & Jeddah, Saudi Arabia.

SINGAPORE

PROPST, E

2018 Mar — Invited Video Presentation. National University Hospital Paediatric Airway Course. Dr. Tay Sok Yan, Singapore. Dissection manual video presentation (not live).

SOUTH KOREA

CUSHING, S

2017 Aug — Invited Speaker. Development of Balance Function in Children. 5th Seoul National University Hearing and Balance Training Centre Symposium: What you need to know when you see dizzy kids. Seoul, South Korea.

2017 Aug — Invited Speaker. Neurotologic and Neurologic Evaluation. 5th Seoul National University Hearing and Balance Training Centre Symposium: What you need to know when you see dizzy kids. Seoul, South Korea.

2017 Aug — Invited Speaker. Vestibular impairment related to deafness. 5th Seoul National University Hearing and Balance Training Centre Symposium: What you need to know when you see dizzy kids. Seoul, South Korea.

2017 Aug — Invited Speaker. Eyes Wide Shut: Lessons Learned in the Context of Scientific Discovery. 5th Seoul National University Hearing and Balance Training Centre Symposium: What you need to know when you see dizzy kids. Seoul, South Korea.

IRISH, J

2017 July — Speaker, UHN-Yonsei University 2017 Joint Symposium-Image Guided Surgery and Robot Surgery. Seoul South Korea.

SPAIN

CUSHING, S

2018 Feb — Invited Speaker: Balance and Cochlear Implants: Bearing a Load. In: Special Session on CI and vertigo. Politzer Society Meeting. Las Palmas de Gran Canaria, Spain. 2018.

GORDON, K

2018 Apr — Invited speaker. Talk to my better ear: Consequences of asymmetric hearing in development, XV Cochlear Implant Course, Pamplona, Spain.

2018 Apr — Invited Speaker. Simultaneous bilateral cochlear implants in children: achievements and remaining challenges, XV Cochlear Implant Course, Pamplona, Spain.

INTERNATIONAL MEETINGS (continued)

2018 Apr — Invited Speaker. Cochlear implant candidacy in children with single sided deafness, XV Cochlear Implant Course, Pamplona, Spain.

2018 Apr — Invited Speaker. Talk to my better ear: Musical experience in children using cochlear implants: evidence of effort and reward, XV Cochlear Implant Course, Pamplona, Spain.

JAMES, A

2018 Feb — Invited Lecturer. Third window in children. 31st Politzer Society Meeting. Las Palmas, Gran Canaria.

2018 Feb — Panellist. Consensus on the international categorization of tympano-mastoid operations. 31st Politzer Society Meeting. Las Palmas, Gran Canaria. Presenter(s): James AL, Yung M. et al

2017 Oct — Invited Lecturer. Mastoid obliteration in children: Outcomes & Selection criteria. 4th Congress of European ORL-HNS. Barcelona, Spain.

PAPSIN, B

2018 Feb — 1) Keynote Address. Are There Hard Limits to Plasticity in the Implanted Infant?, 2) In Children Should Preservation of the Cochlea Take Priority over Preservation of Residual Hearing? 31st Politzer Society Meeting & 2nd Global Otology Research Forum, Las Palmas de Gran Canaria, Spain.

WITTERICK, I

2017 Oct — Panel Moderator. Cerebrospinal fluid rhinorrhea: Challenges in diagnosis and management. 4th Congress of the European ORL-HNS Society. Barcelona, Spain. Presenter(s): Witterick IJ with Swift A, Michel O, El-Sayed I, Beton S, Bachman-Harilstad G.

2017 Oct — Invited Speaker. Endoscopic management of sinonasal tumours. 4th Congress of the European ORL-HNS Society. Barcelona, Spain.

SWEDEN

CAMPISI, P

2018 June — Invited Lecture. European Society of Pediatric Otolaryngology. Management of Sialorrhea in Children. Stockholm, Sweden.

CUSHING, S

2018 June — Invited Speaker. Breakfast Seminar. Vestibular Impairment in Children with Hearing Loss: Bearing a Load. Barany Society Meeting. Uppsala, Sweden. 2018.

2018 June — Invited Speaker. Assessing Balance in Children of Different Ages in Different Settings. European Society of Pediatric Otolaryngology. Stockholm, Sweden. 2018.

2018 June — Invited Speaker. Why Does Preoperative Vestibular Assessment Matter? European Society of Pediatric Otolaryngology Stockholm, Sweden. 2018.

2018 June — Invited Speaker. History of Pediatric Cochlear Implantation. European Society of Pediatric Otolaryngology. Stockholm, Sweden. 2018.

INTERNATIONAL MEETINGS (continued)

2018 June — Invited Speaker. Breakfast with the Professors: Future Proofing the Cortex, Cochlear Implantation in the Setting of Single Sided Deafness. Stockholm, Sweden. 2018.

2018 June — Invited Speaker. Challenging CI Cases – Dealing with Partial- and Non-Users. European Society of Pediatric Otolaryngology. Stockholm, Sweden. 2018.

DE ALMEIDA, J

2018 June — Invited Speaker. Cost-Effectiveness of Transoral Robotic Surgery for Oropharyngeal Cancer. Society of Robotic Surgeons (SRS). Stockholm, Sweden.

GULLANE, P

2018 Apr — Keynote Speaker. Gunnar Holmgren Lecture – Creativity and Innovation in Head & Neck Surgery: Lessons Learned - Imagine the Future. Swedish Society of Otorhinolarynglogy-Head & Neck Surgery. Linkoping, Sweden.

2018 Apr — Panellist. Salivary Gland Tumors. Swedish Society of Otorhinolaryngology-Head & Neck Surgery. Linkoping, Sweden.

SWITZERLAND

DE ALMEIDA, J

2017 Nov — Invited Speaker. Cost-Effectiveness of Transoral Robotic Surgery for Oropharyngeal Cancer. International Guild of Robotic and Endoscopic Head and Neck Surgeons (IGReHNS). Lausanne, Switzerland.

LIU, F-F

2017 July — Invited Speaker. The Princess Margaret Radiation Medicine Program, Department of Radiation Oncology. Lucerne, Switzerland.

TAIWAN

GULLANE, P

2017 Nov — Panellist. Oral Cancer. IFHNOS-World Tour. Kaohsiung, Taiwan.

2017 Nov — Panellist. Salivary Tumors. IFHNOS-World Tour. Kaohsiung, Taiwan.

2017 Nov — Moderator and Speaker. Paranasal Sinuses and Skull Base. IFHNOS-World Tour. Kaohsiung, Taiwan.

THAILAND

LEE, A

2018 Feb — Speaker. A case of pseudo-aneurysm of the petrous internal carotid artery due to skull base osteomyelitis. 8th Asian Pacific Otology and Neurotology Conference. Bangkok, Thailand.

INTERNATIONAL MEETINGS (continued)

RUTKA, J

2018 Feb — 1. Keynote Lecture. Canal Based Surgery in Neurotology. 2. Time Trends in Mastoidectomy Surgery: Demographic and Practice Changes in North America. 3. Systematic Review of Treatment in Meniere's Disease. 4. Conservative Management of Vestibular Schwannomas: Why I will never be a member of the Millennial Club. 8Th Asia Pacific Otology Neurotology (APON) Meeting Bangkok, Thailand

UNITED KINGDOM

WITTERICK, I

2018 Apr — Invited Speaker. Medical therapies in the recalcitrant CRS. 2018 European Rhinologic Society Conference. London, UK.

2018 Apr — Panellist. Revision sinus surgery. 2018 European Rhinologic Society Conference. London, UK. Presenter(s): Carrie S (moderator), Georgalas C, Rimmer J, Sarafoieanu C, Snidvongs K, Voegels, R, White P, Witterick IJ.

ZADEH, G

2017 Oct — Keynote Speaker. State of the Art Surgical Management of Gliomas. International Brain Tumor Alliance World Summit, London, UK.

UNITED STATES

ADAMSON, P

2018 Mar — Keynote Speaker and Honoured Guest, Los Angeles Medical Cosmetic Academy Meeting, Beverly Hills, CA. Topics: The M-Arch Model of Nasal Tip Dynamics; Beauty Today and Tomorrow (Keynote Address); The Direct Eyebrow Lift; The Deep Plane Face and Neck Lift.

2017 Nov — Invited Faculty, Global Aesthetics 2017, Miami, FL. Topics: Beauty in a Multiracial World; The Trichophytic Forehead Lift; Management of
Aesthetic Ear Deformities; Direct Submentoplasty; Nasal Tip Suturing and Refinement Techniques; Controversies that Challenge the Aesthetic Specialty (Panellist).

2017 Oct — Invited Faculty, American Academy of Facial Plastic and Reconstructive Surgery Annual Meeting, Phoenix, AZ. Topics: Secondary Rhinoplasty (Moderator, Discussant); Ethical and Legal Dilemmas (Presenter and Panellist).

BROWN, DH

2018 Jan — Panellist. Head and Neck Cancer in the Elderly. Triological Society Combined Sections Meeting. New Orleans, LA.

CAMPISI, P

2018 May — Visiting Professor. Practical Pediatric Otolaryngology. Recurrent Respiratory Papillomatosis and HPV. Nemours Children's Health System. Wilmington, Delaware.

2017 Sept — Xu J, Forte V, Brydges R, Carrillo B, Szeto S, Mikhail M, Campisi P. OtoSim Mobile: A New Self-Directed Otoscopy Simulator. Presented at the AAO-HNSF Annual Meeting Simulation Showcase. Chicago, IL.

2017 Sept — Derkay C, Campisi P. Recurrent Respiratory Papillomatosis: Update 2017. Instruction Course presented at the American Academy of Otolaryngology – Head & Neck Surgery Annual Meeting. Chicago, IL.

INTERNATIONAL MEETINGS (continued)

CHAN, Y

2017 July — Panellist. Complications of Endoscopic Sinus Surgery: Managing the Worst Case Scenario. American Rhinologic Society Summer Sinus Symposium. Washington, DC.

CHEN, J

2017 Aug — Invited Speaker. Active Bone Conduction device-application in Mixed/conductive hearing loss and single sided deafness. University of North Carolina, Chapel Hill, NC.

CHEPEHA, D

2018 Apr — Invited Speaker. Reconstruction - Cutting Guides vs. Cutting Costs: The Value of 3D Modelling and Virtual Surgical Planning. Combined Otolaryngology Spring Meeting (COSM). National Harbor, MD.

CUSHING, S

2018 Jan — Invited Speaker. Moving Targets: Vestibular and Balance Dysfunction in Children. Mayo Clinic 28th Annual Audiology Conference. Rochester, MN.

2017 Dec — Invited Panel Chair. Cytomegalovirus in Developmental Hearing Loss. SENTAC Annual Meeting 2017. Toronto, ON. Moderator: Cushing SL, Presenter(s): Harrison RV, Bitnun A, Papaioannou V, Park A.

2017 Dec — Invited Panellist. The Role of Genetic Testing in Hearing Loss: the SickKids Experience SENTAC Annual Meeting 2017. Toronto, ON. Moderator: Gordon KA, Presenter(s): Querci N, Basran N, Cushing SL, Liberman G. Panel

2017 July — Invited Panellist. One is the Loneliest Number: Single-Sided Deafness in the Context of Vestibular and Auditory Development. Frontiers in Pediatric Otolaryngology – ASPO Summer Meeting. Vail, Colorado, United States. Presenter(s): Papsin BC, Cushing SL, Panel.

DE ALMEIDA, J

2018 Apr — Invited Speaker. Debate on the value of genetic and molecular profiling in head and neck cancer. AHNS 11th International Conference on Head and Neck Cancer. National Harbor, MD.

2018 Feb — Invited Speaker. Outcomes for Skull Base Surgery. North American Skull Base Society Annual Meeting. Coronado, CA.

2018 Feb — Invited Speaker/Panellist. Sinonasal Malignancies with Skull Base Involvement. North American Skull Base Society Annual Meeting. Coronado, CA.

DIMITRIJEVIC, A

2018 Feb — Brain oscillations and entrainment in cochlear implant users while watching the television series, "The Office": relations to self-reported listening effort and performance. MidWinter Meeting for the Association for Research Otolaryngology, San Diego, CA.

2018 Feb — Brain oscillations to silent lip reading. MidWinter Meeting for the Association for Research Otolaryngology, San Diego, CA.

ENEPEKIDES, D

2018 May — Moderator, Panellist, Cutting Guides vs Cutting Costs: The Utility of Virtual Surgical Planning in Complex Mandibular Reconstruction. Annual Meeting of the AHNS. Washington, DC.

INTERNATIONAL MEETINGS (continued)

2017 Aug — Chair, AOCMF NA Management of Facial Trauma. Boston, MA.

ESKANDER, A

2018 Apr — Invited Speaker/Faculty and Panellist. Cost-Effective Flap Monitoring – Rapid Fire Session. American Head and Neck Society (COSM) Meeting, National Harbor, MD.

FREEMAN, J

2017 Nov — Keynote Speaker, Management of Well Differentiated Thyroid Cancer: Why Less is More. Thyroid Cancer: 2017, Jefferson University, Philadelphia, PA.

GANTOUS, A

2018 June — Faculty. 1) Moderator. Rhinoplasty session. 2) Management of the severe saddle deformity. 3) Masters Seminar – Incisionless Otoplasty, video presentation. Vegas Cosmetic Surgery and Aesthetic Dermatology. Las Vegas, NV.

2017 Nov — Faculty. 1) Correction of the Severe Saddle Deformity. 2) Ethnic Rhinoplasty: The Challenge of Practicing in a Multicultural Society. 3) Incisionless Otoplasty. 4) Management of the Alar-Columellar Relationship. Global Aesthetics. Miami, FL.

GILBERT, R

2018 Feb — Invited Speaker. Orbitomaxillary reconstruction following skull base surgery. North American Skull Base Society. Coronado, CA.

2017 Oct — Visiting Professor. Management of Advanced Cancer of the Laryngopharynx. Current Concepts in H & N Surgery and Oncology. New York City, NY.

2017 Oct — Visiting Professor. Advances in Complex Head & Neck Reconstructions. Current Concepts in H & N Surgery and Oncology. New York City, NY.

GOLDSTEIN, D

2018 Apr — Panel Member. Thyroid Nodule Best Practices and Outcome Optimization. American Head Neck Society Meeting, Washington, DC.

2017 Oct — Invited Speaker. Management of cancer of Oral cavity. Current Concepts in Head and Neck Surgery and Oncology. New York City, NY.

2017 Oct — Invited Speaker. Neck dissection. Current Concepts in Head and Neck Surgery and Oncology. New York City, NY.

GORDON, K

2018 May — Invited speaker, “Talk to my better ear: Consequences of asymmetric bilateral hearing in development”, Symposium on Asymmetric hearing, 175th meeting of the American Acoustical Society, Minneapolis, MN.

2017 July — Programming the developing hearing brain: a responsibility to get it right, Conference on Implantable Auditory Prostheses, Lake Tahoe, CA.

2017 July — Invited Speaker. Electrophysiological measures of auditory development in children using bimodal devices, Conference on Implantable Auditory Prostheses, Lake Tahoe, CA. Presenter(s): Polonenko M, Gordon KA.

INTERNATIONAL MEETINGS (continued)

GULLANE, P

2018 Feb — Honored Guest Lecturer. The Evolution of the NASBS from Inception to Present. North American Skull Base Society. Coronado, CA.

2018 Feb — Panellist. Expert Debate 2: How to Train Balanced Skull Base Surgeons: An International Panel. North American Skull Base Society. Coronado, CA.

2017 Oct — Moderator. Thyroid and Parathyroid Surgery. Current Concepts in Head & Neck Surgery. New York, NY.

2017 Oct — Invited Speaker. Open Skull Base Surgery. Current Concepts in Head & Neck Surgery. New York, NY.

2017 Oct — Co-Moderator. Stump the Faculty. Current Concepts in Head & Neck Surgery. New York, NY.

IRISH, J

2018 Apr — Presidential Address. “Reflections”, American Head and Neck Society, Washington, DC.

2018 Apr — Speaker/Moderator. AHNS 2.0, American Head and Neck Society, Washington, DC.

2018 Mar — Keynote Speaker/Visiting Professor. Nebraska Methodist College Hospital. The Changing Role of the Surgeon: Leading the Transformation of Health Care/The OR of the Future: Integrating Image Guidance, Nanotechnology and Robotics. Omaha, NE.

2018 Feb — Panellist, Tumour Board: Advanced Disease. Multidisciplinary Head and Neck Cancer Symposium. Scottsdale, AZ.

2017 July — Panellist, Management of Medullary Thyroid Cancer-Management of the lateral neck. Third World Congress on Thyroid Cancer. Boston, MA.

JAMES, A

2017 Sept — Invited Lecturer. Endoscopic ear surgery in children. AAO-HNS Endoscopic Ear Surgery Workshop. Chicago, IL.

2017 Sept — Moderator. Endoscopic ear surgery in the pediatric population. International Symposium: Endoscopic Ear Surgery and Advances in Otology. University of Minnesota, MN.

2017 Sept — Invited Lecturer. Surgical treatment of the mastoid. International Symposium: Endoscopic Ear Surgery and Advances in Otology. University of Minnesota, MN.

2017 Sept — Panellist. My most difficult cases: understanding surgical failures. International Symposium: Endoscopic Ear Surgery and Advances in Otology. University of Minnesota, MN.

LEE, J

2018 Apr — Invited Scientific Session Moderator. American Rhinologic Society Spring Meeting. National Harbor, MD.

2018 Feb — Invited Guest Faculty and Speaker. Allergic Fungal Sinusitis with Skull Base Erosion. North American Skull Base Society Annual Meeting. Coronado, CA.

INTERNATIONAL MEETINGS (continued)

LIU, F-F

2018 Feb — Invited Co-Chair. FDA-AACR-ASTRO Clinical Development of Drug-Radiotherapy Combinations Workshop. Bethesda, MD.

2017 Sept — Discussant. Clinician's perspective on "dose" and desired outcome. Defining the Shades of Gy: Utilizing the biological consequences of radiation therapy in the development of new treatment approaches, Radiation Research Program workshop on "Dose", Division of Cancer Treatment and Diagnosis, National Cancer Institute. Rockville, MD.

MONTEIRO, E

2018 Feb — Invited Lecture. The Transpterygoid Approach to the Lateral Sphenoid Recess. North American Skull Base Society 28th Annual Meeting. San Diego, CA.

2018 Feb — Invited Lecture. Overview of Skull Base Pathology. Skull Base Primer Course. North American Skull Base Society 28th Annual Meeting. San Diego, CA.

PAPSIN, B

2018 June — Keynote Address. One is the Loneliest Number: Single-Sided Deafness in the Context of Vestibular and Auditory Development. 10th Annual Ernest A. Weymuller, Jr, MD Endowed Lecture, The University of Washington, Department of Otolaryngology, Seattle, WA.

2018 May — 1) One is the Loneliest Number: Single-Sided Deafness in the Context of Vestibular and Auditory Development, 2) Keynote Address. Understanding Balance in Children with Sensorineural Hearing Loss. Ludwig A. Michael MD International Lecturer in Otolaryngology- Head and Neck, North Texas Cochlear Implant Symposium, University of Texas Southwestern Department of Otolaryngology-HNS, Dallas TX.

2017 Sept — Keynote Address. Single-Sided Deafness in the Context of Cognitive Load. Korean America Otolaryngology Society Satellite Symposium – Chicago, IL.

2017 July — Invited Faculty. One is the Loneliest Number: Single-Sided Deafness in the Context of, Vestibular and Auditory Development. Frontiers in Pediatric Otolaryngology – Vail, CO.

2017 July — Invited Speaker. 1) Understanding Balance in Children with Sensorineural Hearing Loss, 2) Cochlear Implantation in Children with Asymmetric Hearing loss, 3) Surgical Restoration of Hearing in Children (Otolaryngology Nursing Sectional Meeting, 4) Complicated Cochlear Re-Implantation, 5) A 3-Dimensional Percept in the Absence of Fusion: What Cochlear Implants Have Taught us About the Developing Auditory System (Keynote Address). 4th South Pacific ORL Forum (Guest of the 32nd ASM of the Australian New Zealand Society of Paediatric Otorhinolaryngology) – Honolulu, Hawaii.

PROPST, E

2017 Oct — Invited Speaker. Aspiration of unknown etiology. 5th Contemporary Management of Aerodigestive Disease in Children. Dr. Jeremy Prager, Denver, CO. Presenter(s): Evan Propst and Claire Miller.

SOLOMON, P

2017 Aug — Faculty. Bellafill Round Table Discussion. Suneva Scientific Summit. Chicago, IL.

INTERNATIONAL MEETINGS (continued)

YU, E

2018 Apr — Invited Speaker. Imaging of the Unknown Primary. American Head and Neck Society Annual Meeting. National Harbor, MD.

2018 Feb — Invited Speaker. Imaging of the Masticator Space. North American Skull Base Society NASBS. 28th Annual Meeting of the North American Skull Base Society NASB. San Diego, CA.

2018 Feb — Invited Speaker. Temporal Bone Imaging Anatomy. 28th Annual Meeting of the North American Skull Base Society NASBS. San Diego, CA.

2018 Feb — Invited Speaker. Skull Base Imaging. 28th Annual Meeting of the North American Skull Base Society NASBS. San Diego, CA.

2017 Sept — Moderator. Head and Neck Cancer. American Society of Head and Neck Radiology, Las Vegas, Nevada, USA. Presenter(s): Yu E. 51st American Society of Head and Neck Radiology Annual Meeting, Sep 16-20, 2017, Las Vegas, NV.

2017 July — Invited Speaker. Imaging of Thyroid Cancer Beyond Ultrasound. 3rd World Congress on Thyroid Cancer. Boston, MA.

WITTERICK, I

2018 Apr — Panel Moderator. Sinonasal malignancy. 2018 Annual Meeting of the American Head & Neck Society. National Harbor, MD. Presenter(s): Witterick IJ with Su SY, Moore MG, Zanation A, Hanna EY.

2018 Feb — 1) Moderator. Welcome & meeting overview. 2) Presidential Address: Dynamic mentoring of the skull base surgeon: Training our future. 3) Panel Moderator: Mentorship: Why, how, and when. 4) Moderator: Three-minute thesis. 5) Panel Moderator: Certification of the skull base surgeon. 6) Moderator: Closing ceremony. The 28th Annual Meeting of the North American Skull Base Society. Coronado, CA.

2018 Feb — Panel Moderator. Surgical Lessons in Skull Base Meningiomas. Meningioma Education Day (pre-meeting course of the 28th Annual Meeting of the North American Skull Base Society. Coronado, CA.

2017 July — Panellist. Conversation with the masters. 3rd World Congress on Thyroid Cancer. Boston, MA. Presenter(s): Witterick IJ with Randolph G (moderator), Cohen E, Freeman JL, Haugen B, McIver B, Shah J and Shaha A.

2017 July — Panellist. Meet the Professor Session, Stump the Endocrinologist/Stump the Surgeon. 3rd World Congress on Thyroid Cancer. Boston, MA. Presenter(s): Witterick IJ with Freeman JL (moderator), Lee S, Stathatos N and Valderrabano P.

ZADEH, G

2018 June — Invited Speaker, Education Session: Integrating Genomics into Neuro-Oncology Clinical Trials and Practices. Tissue Acquisition, before, during and after treatment; incorporating new WHO Classification into practice. 2018 American Society of Clinical Oncology (ASCO), Chicago, IL.

2018 May — Invited Lecturer. From Genomics to care for Brain Tumor. Grand Rounds, Yale School of Medicine, Department of Neurosurgery, New Haven, CT.

INTERNATIONAL MEETINGS (continued)

2017 Nov — Invited Speaker, at the Meningioma session 'RNA pathway analysis directing therapeutic strategies in meningiomas' 22nd Annual Scientific Meeting at the Society for Neuro-Oncology (SNO), San Francisco, CA.

2017 Nov — Invited Speaker at the Sunrise session 'Intraoperative IDH status determining extent of resection and outcome' at the 22nd Annual meeting, Society for Neuro-Oncology (SNO), San Francisco, CA.

2017 Oct — Invited Speaker. Aggressive Meningiomas – what is on the menu. Brigham and Women's Skull Base Symposium. Boston, MA.

2017 Oct — Invited Speaker. Recurrent high-grade meningioma – what's on the menu? Skull Base Symposium, the Brigham and Women's Hospital, Boston, MA.

NATIONAL MEETINGS

ALBERTA

CAMPISI, P

2017 June — McPhedran Lecture, 35th Annual Surgeon's Day, University of Calgary. Recurrent Respiratory Papillomatosis: The Epidemiological Study of a Rare Condition. Calgary, AB.

GORDON, K

2017 Sept — Invited Speaker. Can cortical plasticity compensate for abnormal hearing in childhood?, 6th International Conference on Auditory Cortex, Banff, AB.

HIGGINS, K

2017 — Guest Lecturer. University of Calgary/Tom Baker Cancer Centre.

WITTERICK, I

2017 Oct — Invited Lecturer. Subglottic and sinus involvement in Granulomatous Polyangiitis. 6th Calgary Vasculitis Symposium. Calgary, AB.

BRITISH COLUMBIA

YU, E

2018 June — Invited Speaker. Hot Topics in Head and Neck Imaging. 56th Annual Meeting American Society of Neuroradiology ASNR Annual Meeting. Vancouver, BC.

MANITOBA

LEE, J

2017 July — Invited Guest Faculty and Speaker. Endoscopic Anatomy of the Lateral Nasal Wall. 15th Annual Canadian Otolaryngology Resident Sinus Course. Winnipeg, MB.

2017 July — Invited Demonstration Dissector. Maxillary Antrostomy, Total Ethmoidectomy, Sphenoidotomy. 15th Annual Canadian Otolaryngology Resident Sinus Course. Winnipeg, MB.

NATIONAL MEETINGS (continued)

PAPSIN, B

2018 Jan — Visiting Professor. 1) A 3-Dimensional Percept in the Absence of Fusion: What Cochlear Implants Have Taught us About the Developing Auditory System, 2) Understanding Balance in Children with Sensorineural Hearing Loss, 3) The Effective Scientific Presentation. The Department of Otolaryngology, University of Manitoba, Winnipeg, MB.

NOVA SCOTIA

BRANDT, M

2018 Jan — Invited Speaker. Facial trauma for the Otolaryngologist – Head & Neck Surgeon. Annual Otolaryngology – Head & Neck Surgery Review Course. Halifax, NS.

2018 Jan — Invited Speaker. Rhinoplasty: the basics for the Royal College examination. Annual Otolaryngology – Head & Neck Surgery Review Course. Halifax, NS.

ONTARIO (National Meetings In Ontario)

BRANDT, M

2017 Oct — Seminar Chair & Panellist. Nasal reconstruction: a specialist panel on the contemporary reconstruction of the face. Co-Presenter(s): Moore CC, Taylor SM, Ansari K, Hekkengerg R. Annual Clinical Day of the Canadian Academy of Facial Plastic & Reconstructive Surgery. Toronto, ON.

PRINCE EDWARD ISLAND

MONTEIRO, E

2017 Oct — Invited Lecture. Can You Hear Me? Hearing Loss in the Elderly. 11th Annual Making the Connection Conference: Innovations in Older Adult Care. Summerside, PEI.

QUEBEC

CAMPISI, P

2017 Oct — Campisi P, Berry S, Glover-Takahashi S. Rapid Design and Delivery Strategies: Faculty Development Lessons from the Leading Edge of Competency-Based Curriculum Implementation. Internal Conference on Medical Residency Education. Quebec City, QC.

CHAN, Y

2018 June — Panellist and Invited Speaker. How I Do it Videos. Canadian Society of Otolaryngology 72nd Meeting. Quebec City, QC.

2018 June — Panellist and Invited Speaker. Industry Relationships with Physicians: Is There Cause for Concern? Canadian Society of Otolaryngology 72nd Meeting. Quebec City, QC.

2017 Sept — Invited Speaker. Pathogenesis and Classification of Chronic Rhinosinusitis. North American Masterclass in Endoscopic Sinus Surgery. Montreal, QC.

NATIONAL MEETINGS (continued)

CHEN, J

2018 Mar — Invited Speaker. Surgical Management of Single Sided Deafness. McGill Winter Meeting, Mt Tremblant, QC.

2018 Mar — Panellist. Managing sudden hearing loss. McGill Winter Meeting, Mt Tremblant, QC.

CUSHING, S

2018 May — Invited Panellist. Tympanoplasty. 12th International Paediatric Otolaryngology Update. 2018. Montreal, QC. Moderator: Richter G, Presenter(s): Cushing SL, Saliba I.

2018 May — Invited Speaker. Update on Single Sided Deafness. 12th International Paediatric Otolaryngology Update. 2018. Montreal, QC.

DE ALMEIDA, J

2018 June — Invited Speaker/Panellist. Video Presentation: Dissection of the Marginal Mandibular Nerve. Annual Meeting, Canadian Society of Otolaryngology. Moderator: Ian Witterick. Quebec City, QC.

2018 June — Invited Speaker. Big "T" Technology and Value of new technologies in Healthcare. The Great Debate. Annual Meeting, Canadian Society of Otolaryngology. Moderator: Andre Piquard. Quebec City, QC.

GOLDSTEIN, D

2018 June — Panel Member. Variations in Extent of Thyroidectomy. 72nd Annual Canadian Society of Otolaryngology Meeting, Quebec City, QC.

IRISH, J

2017 Oct — Invited Speaker, Canadian Blood and Marrow Transplant Group, Graft vs Host Disease in the Head and Neck. Montreal, QC.

JAMES, A

2018 June — Invited Speaker. Highlights and Pearls for Myringoplasty: From Open to Endoscopic Technique. 72nd Annual meeting CSO-HNS. Quebec, QC. Presenter(s): I. Saliba I, James AL.

LEE, J

2018 June — Invited Scientific Session Moderator. Rhinology Session, Canadian Society of Otolaryngology-Head & Neck Surgery Annual Meeting, Quebec City, QC.

2017 Sept — Invited Guest Faculty and Speaker. Pre- and Post-Operative Management in Endoscopic Sinus Surgery. North American Masterclass in Endoscopic Sinus Surgery. Montreal, QC.

LIN, RJ

2018 June — Panel Moderator and Member: Evidence based management of unilateral vocal fold paralysis. Canadian Society of Otolaryngology-Head & Neck Surgery Annual Meeting. Quebec City, Quebec, Canada. Lin RJ, Brown T, Anderson J.

LIN, V

2018 June — Invited Speaker. Ask an Otologist. Canadian Society of Otolaryngology- Head & Neck Surgery Annual Meeting. Quebec City, QC.

NATIONAL MEETINGS (continued)

2018 June — How I do it: Fat Myringoplasty. Canadian Society of Otolaryngology - Head & Neck Surgery Annual Meeting. Quebec City, QC.

MONTEIRO, E

2018 June — Workshop. Quality Improvement 101 – A Primer For Otolaryngologists. Canadian Society of Otolaryngology-Head & Neck Surgery 2018 Annual Meeting. Quebec City, QC. Presenter(s): Monteiro E, Singh P, Strychowski J.

2018 June — Workshop. Value In ENT Surgery – From Policies to the Bedside. Canadian Society of Otolaryngology-Head & Neck Surgery 2018 Annual Meeting. Quebec City, QC. Presenter(s): Monteiro E, Singh P, Eskander A, Enepekides D.

PAPSIN, B

2017 Oct — Invited Lecturer. One is the Loneliest Number: Single-Sided Deafness in the Context of Vestibular and Auditory Development. McNally Lecturer – The Department of Otolaryngology, McGill University, Montreal QC.

SINGH, P

2018 June — Speaker / Workshop. Value in Otolaryngology – From Policies to the Bedside. Canadian Society of Otolaryngology – Head and Neck Surgery – 67th Annual Meeting, Quebec City, QC.

2018 June — Speaker / Workshop. Quality Improvement 101 – A Primer for the Otolaryngologist. Canadian Society of Otolaryngology – Head and Neck Surgery – 67th Annual Meeting, Quebec City, QC.

SOLOMON, P

2018 — Faculty. Scar Revision; Cadaver Dissection. 9th Annual McGill Facial Plastic Surgery Course, Department of Otolaryngology-Head and Neck Surgery, Faculty of Medicine, McGill University. Montreal, QC.

WITTERICK, I

2018 June — Panel Moderator. How I do it video session. 72nd Annual Meeting of the CSO-HNS. Quebec City, QC. Presenter(s): Witterick IJ (moderator), Campisi P, Chan Y, de Almeida JR, JL, Lin V.

2018 June — Panel Member. Challenge of physician-industry interactions. University guidelines governing relationships. 72nd Annual Meeting of the CSO-HNS. Quebec City, QC. Presenter(s): Chan Y (moderator), Daniel S, Desrosiers M, Spafford P, Witterick IJ.

2017 Sept — Invited Lecturer. Endoscopic management of sinonasal tumours. North American Masterclass in Endoscopic Sinus Surgery. Montreal, QC.

2017 Sept — Facilitator. Vascular Injuries. North American Endoscopic Management of Vascular Injuries Workshop, McGill University. Montreal, QC.

PROVINCIAL/LOCAL MEETINGS

ADAMSON, P

2018 May — Invited Speaker. Percy Ireland Academic Day, Department of OHNS, University of Toronto. Topic: Current Practice Patterns Among Rhinoplasty Surgeons: How Closely Do They Reflect Clinical Practice Guidelines. Presented by Dr. Eric Carniol.

2018 May — Visiting Professor. Strategies and Goals for Professional Success. Paths to Becoming a Successful Surgeon. Poliquin Research Day, University of Ottawa, Ottawa, ON.

2017 Oct — Faculty. Canadian Academy of Facial Plastic and Reconstructive Surgery Annual Meeting, Toronto. Topic: Tip and Tricks for the Medial and Lateral Crura.

AINLAY, H

2018 May — Interdisciplinary Medical Panel, Panel member, Audiology. CLP/Craniofacial Family Connections Day, Toronto, ON. SickKids CLP team.

2018 Jan — Presentation: Aural Rehabilitation. Neurotology Rounds, University Health Network. Toronto, ON.

2017 Nov — Hands on workshop (Trainer): Vestibular Evoked Myogenic Potentials. 8th Annual Training Workshop for Healthcare Professionals on Vestibular and Balance disorders in the Pediatric population, SickKids Hospital/ University of Toronto, Toronto, ON.

ANAND, S

2018 Feb — Invited Faculty. A 2018 Update on Thyroid Nodule Management. U of Toronto Department of Family and Community Medicine, Scarborough and Rouge Hospital, Surgery Update Day. Toronto, ON. Presenter(s): Drs. Sumeet Anand and Praby Singh.

BRANDT, M

2017 Sept — Invited Speaker. Office Based Skin Surgery. What's New in Office Based Procedures in Otolaryngology. Toronto, ON.

CAMPISI, P

2018 May — Guest Lecture, SLP 1525 Graduate Course. Pediatric Voice Disorders. University of Toronto, Toronto, ON.

2018 Mar — Guest Lecture, Sickkids Respiratory Medicine Training Program. Vocal fold dysfunction. Toronto, ON.

2018 Feb — Guest Lecture, 16th Annual Otolaryngology Update. Stertor, Stridor and babies that Squeak. Toronto, ON.

2017 Nov — Congenital and Acquired Head and Neck Masses in Children. PERLs program. Department of Paediatrics, Hospital for Sick Children, Toronto, ON.

20174 Oct — Vocal Fold Dysfunction. Immunology and Allergy Divisional Rounds. Hospital for Sick Children, Toronto, ON.

2017 Jul — The Surgical Airway. PREP Camp Phase I Lecture Series. Mount Sinai Hospital, Toronto, ON.

CHAN, Y

2018 May — Invited Speaker. Allergic Rhinitis: Optimizing Therapy. Allergy Asthma & Immunology Society of Ontario Meeting. Toronto, ON.

PROVINCIAL/LOCAL MEETINGS (continued)

2018 May — Invited Speaker. Starting Your Surgical Practice: Choices After Residency. Core Lecture. Department of Otolaryngology-HNS. Toronto, ON.

2018 Apr — Invited Speaker. Septoplasty/Endoscopic Septoplasty and Inferior Turbinate Surgery. Core Lecture. Department of Otolaryngology-HNS. Toronto, ON.

2018 Apr — Invited Speaker. Surgical Management of Epistaxis. Core Lecture. Department of Otolaryngology-HNS. Toronto, ON.

2018 Mar — Invited Speaker. Diseases of the Maxillary Sinus. Faculty of Dentistry Oral Pathology Course. Toronto, ON.

2018 Feb — Invited Speaker. Allergic Rhinitis: Optimizing Therapy & Patient Care. Mississauga Family Practice Journal Club. Mississauga, ON. (Continuing Education)

2017 Nov — Invited Speaker. Allergic Rhinitis: Optimizing Therapy & Patient Care. Combined Trillium Health Partners Allergy, Rhinology, and Respirology Rounds. Mississauga, ON. (Continuing Education).

2017 Nov — Invited Speaker. Laryngectomy 101. Respiratory Therapists Rounds. Mississauga, ON. (Continuing Education).

2017 Oct — Panellist. Financial Planning & Management: Fiscal and Pragmatic Considerations. Faculty Development Day 2017. Toronto, ON.

2017 Aug — Invited Speaker. Allergic Rhinitis: Optimizing Therapy & Patient Care. Mississauga Family Practice. Mississauga, ON.

CHIODO, A

2018 Apr — Invited Speaker. Management of Emergencies in Otolaryngology-Head & Neck Surgery. Resident Lecture Series. Department of Family Medicine. Michael Garron Hospital. Toronto ON.

2018 May — Invited Speaker. Management of Airway Fires. Department of Anesthesiology Michael Garron Hospital. Toronto, ON.

CUSHING, S

2018 June — Invited Speaker. Congenital Cytomegalovirus and SNHL: Where do we go from here? Archie's Cochlear Implant Laboratory Noon Rounds. Hospital for Sick Children.

2018 Jan — Invited Speaker. Moving Targets: Vestibular and Balance Dysfunction in Children. Department of Neurology Grand Rounds. Hospital for Sick Children. 2018. Toronto, ON.

2018 Jan — Invited Speaker. Paediatric Otolaryngology, Canadian Paediatric Review Program. Convention Centre, Hamilton. ON.

2017 Nov — Invited Speaker. Vestibular Disorders and Sensorineural Hearing Loss. 8th Annual Training Course for Health Care Professionals on Vestibular and Balance Disorders in the Paediatric Population. Toronto. ON.

DAVIDS, T

2017 Oct — Invited Lecturer/Panellist. Interdisciplinary Voice Care in an Imperfect World. PAVA Symposium 2017, Toronto, ON.

PROVINCIAL/LOCAL MEETINGS (continued)

DE ALMEIDA, J

2018 June — Invited Speaker. Future of TORS in HNC Management: How Low Can We Go? 20th Annual Wharton Elia Day. Toronto, ON.

2018 June — Invited Speaker. TORS for Allied Health Care. 20th Annual Wharton Elia Day: Nursing/Allied Health Breakout Session. Toronto, ON.

2018 June — Invited Panellist. Seasoned Panellists vs. Rising Stars. The Future of Head and Neck Cancer. 20th Annual Wharton Day. Toronto, ON.

2018 June — Invited Speaker. FIND Trial: Finding Identifying unknown primaries with neck disease and tailored de-intensification of radiation. Juravinsky Cancer Centre, McMaster University. Hamilton, ON.

2018 Feb — Invited Speaker. Transoral Robotic Surgery: How I do it (video presentation). Annual Otolaryngology Update. Peter Gilgan Research Centre. Toronto, ON.

2017 Dec — Invited Lecturer. Lougheed Microsurgical Course. Toronto, ON.

2017 Oct — Invited Speaker. Health Technology Assessment and Cost-Effectiveness in Head and Neck Surgery. Grand Rounds. University of Western Ontario. London, ON.

2017 Oct — Invited Speaker. FIND Trial: Finding Identifying unknown primaries with neck disease and tailored de-intensification of radiation. Multidisciplinary Tumour Board. University of Western Ontario. London, ON.

ESKANDER, A

2018 June — Invited Speaker/Faculty. HPV Related Oropharyngeal Cancer. Florence Winberg Patient Education Event: Head & Neck Cancer, Toronto, ON.

2018 May — Invited Speaker/Faculty. Work-up of a rising thyroglobulin and the role for surgical management in the presence of structural local and/or regional recurrence Lakeridge Health – OTOHNS Rounds, Pickering, ON.

2018 May — Invited Speaker/Faculty. A new epidemic: managing the neck mass in the era of oropharynx cancer. Dentistry, Oral Pathology and Oral Surgery, Sunnybrook Health Sciences Centre Rounds, Toronto, ON.

2018 Mar — Invited Speaker/Faculty. Head & Neck Lumps: What might be hiding below the skin? Lumps, Bumps and Looks in the Head and Neck: An update in dermatology, oculoplastics, oral pathology, head & neck surgery, and facial plastic surgery. Toronto, ON.

2018 Mar — Guest Lecturer. Oropharynx Cancer – What does sex have to do with it? Surgical Oncology Education Day – Toronto Central LHIN, Toronto, ON.

2018 Feb — Invited Speaker/Faculty. Primary management of the lateral neck in well differentiated thyroid cancer . The 16th Annual Otolaryngology Update, Toronto, ON.

2018 Jan — Invited Speaker/Faculty. Work-up of a rising thyroglobulin and the role for surgical management in the presence of structural local and/or regional recurrence. Half Day Symposium on Current Topics in Diagnosis and Management of Thyroid Cancer, Toronto, ON.

PROVINCIAL/LOCAL MEETINGS (continued)

2017 Oct — Invited Speaker/Faculty. Institute for Clinical Evaluative Sciences – Past, Present and Future. Otolaryngology – Head & Neck Surgery Grand Rounds, Toronto, ON.

FALLS, C

2018 Mar — Presenter, Audiogram of the Month. Otolaryngology-HNS Residents (PGY 2-4). University of Toronto, Department of Otolaryngology – Head & Neck Surgery.

2018 Jan — Presenter, Audiogram of the Month. Otolaryngology-HNS Residents (PGY 2-4). University of Toronto, Department of Otolaryngology – Head & Neck Surgery.

2017 Dec — Presenter, Audiogram of the Month. Otolaryngology-HNS Residents (PGY 2-4). University of Toronto, Department of Otolaryngology – Head & Neck Surgery.

2017 Nov — Workshop Facilitator (VEMP), Assessment of the Dizzy Child: Audiology Work-Up. Hospital for Sick Children.

2017 Nov — Invited Panellist, Audiology and Related Professions Career Panel University of Toronto; Department of Speech-Language Pathology. Course: Linguistics in the Workforce: Clinical Practice and Research.

GEVORGYAN, A

2018 Apr — Invited video presentation: 5 Minute Video Pearls: Ethmoidectomy/ Maxillary antrostomy/Sphenoidotomy. University of Toronto – Rhinology Update 2018. April 6-7, 2018, Toronto, ON.

GILBERT, R

2018 Apr — Invited Lecturer. University of Toronto Ocular & Orbital Imaging Symposium. Toronto, ON.

GOLDSTEIN, D

2018 June — Invited Speaker, Oral cavity cancer. Toronto Head & Neck Imaging Symposium. Toronto, ON.

2018 June — Moderator, 20th Annual Wharton /Elia Day. Princess Margaret Cancer Centre. Toronto, ON.

GORDON, K

2018 May — Invited speaker. The importance of bilateral hearing in children: Research updates from Archie's Cochlear Implant Lab, Voice conference, Toronto, ON.

2018 Apr — Invited speaker. The importance of bilateral hearing in children: Research updates from Archie's Cochlear Implant Lab, Warren Estabrooks Speaker Series, Toronto, ON.

2017 Dec — Invited Panel Chair. The role of genetic testing in hearing loss: The SickKids experience, Annual Meeting of the Society for Ears, Nose, and Throat Advances in Children, Toronto, ON.

2017 Oct — Invited Speaker. Music training and bilateral hearing help children using cochlear implants hear emotion. Warren Estabrooks Speaker Series, Toronto, ON.

HIGGINS, K

2017 — Presenter. 12th Annual Surgical Oncology Education Day. Ontario.

PROVINCIAL/LOCAL MEETINGS (continued)

IRISH, J

2018 June — Panellist. CCO 75th Anniversary Symposium. CCO: The Future. Toronto, ON.

2018 May — Invited Speaker. Ontario Terry Fox Foundation, 27th Annual Organizers Workshop. Why We Are Here: Terry Fox Foundation and the OR of the Future. Toronto, ON.

2018 Jan — Speaker. Symposium on Current Topics in Diagnosis and Management of Thyroid Cancer. Quality based funding and quality metrics in the management on thyroid cancer. Toronto, ON.

2017 Oct — Panellist/Speaker. Soft Tissue Sarcoma Course: The Toronto System. Soft Tissue Sarcoma: The Head and Neck Surgeon's Perspective. Toronto, ON.

2017 Oct — Keynote Speaker. DeGroote Interprofessional Health Leadership Conference, Michael DeGroote School of Business, Using performance data to impact health care quality: Experience from Cancer Care Ontario's Surgical Oncology Program. Burlington, ON.

LEE, J

2018 Apr — Course Co-Director. University of Toronto Resident Sinus Surgery Course. Department of Otolaryngology-Head & Neck Surgery, University of Toronto. Toronto, ON.

2018 Apr — Invited Speaker. Endoscopic Anatomy of the Lateral Nasal Wall. University of Toronto Resident Sinus Surgery Course. Department of Otolaryngology-Head & Neck Surgery, University of Toronto.

2018 Apr — Invited Speaker. Key Landmarks in Endoscopic Sinus Surgery. Rhinology Update, University of Toronto.

2018 Apr — Invited Moderator. Frontal Sinus Surgery Video Demonstration. Rhinology Update, University of Toronto.

2018 Apr — Invited Presenter. Frontal Sinus Video Demonstration: Tackling the Frontal Bullar Cell. Rhinology Update, University of Toronto.

2018 Apr — Course Co-Director. Rhinology Update, University of Toronto.

2018 Mar — Invited Lecturer. An Overview of Rhinology. Postgraduate Rhinology Core Teaching, Department of Otolaryngology-Head & Neck Surgery, University of Toronto. Presenter(s): Lee JM.

2018 Mar — Invited Speaker. Surgical Management of Chronic Rhinosinusitis: An Evidence Based Approach. Postgraduate Rhinology Core Teaching, Department of Otolaryngology-Head & Neck Surgery, University of Toronto.

2018 Mar — Invited Speaker. Management of Inverted Papilloma. Postgraduate Rhinology Core Teaching, Department of Otolaryngology-Head & Neck Surgery, University of Toronto.

2018 Feb — Invited Course Faculty & Speaker. CSF Leak Repair: How I do it? 16th Annual Otolaryngology Update Meeting. University of Toronto.

2017 Nov — Invited Lecturer. Rhinosinusitis Guidelines/Rhinitis/Rhinomanometry. PGY-5 Fellowship Study Course, Department of Otolaryngology-Head & Neck Surgery, University of Toronto, Toronto, ON.

PROVINCIAL/LOCAL MEETINGS (continued)

2017 July — Invited Speaker. What's New in the Treatment of Asthma? Implications for the United Airways and Chronic Rhinosinusitis. Novartis Pharmaceuticals Canada Inc.

LIN, RJ

2018 Feb — Invited Speaker/Faculty. Aging voice: a new problem in old people. Oto Update 2018. Toronto, ON.

2018 Feb — Invited Speaker/Faculty. Medialization laryngoplasty. Oto Update 2018. Toronto, ON.

2017 Nov — Invited Speaker. State of the Art: Use of LEMG in vocal fold paralysis and the skinny on vocal fold atrophy. Department of Otolaryngology-Head & Neck Surgery Grand Rounds. Toronto, ON.

LIN, V

2018 Feb — Invited Speaker. Choosing Wisely Canada: Otology. Quality and Safety Primer for Otolaryngologists, Department of Otolaryngology – Head & Neck Surgery. Toronto, ON.

2018 Feb — Invited Speaker. The Draining Ear: Potions and Lotions. Otolaryngology Update, Department of Otolaryngology – Head & Neck Surgery. Toronto, ON.

2017 Nov — Invited Speaker. Choosing Wisely Canada and Vestibular Testing. Otology Update, Department of Otolaryngology – Head & Neck Surgery. Toronto, ON.

2017 Nov — Invited Speaker. My Medical Mission Trip to Migori, Kenya. Operative Room Nurses Rounds, Sunnybrook Health Sciences Centre. Toronto, ON.

2017 Oct — Grand Rounds Presenter. Mission Trip to Migori, Kenya. Department of Otolaryngology - Head & Neck Surgery. Toronto, ON.

2017 Mar — Invited Speaker. Acoustic Neuromas: An Update on Management. Otolaryngology - Head & Neck Surgery, Sunnybrook Health Sciences Centre. Toronto, ON.

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

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

LIU, F-F

2018 May — Invited Speaker. Radiation Medicine Program. 2nd Benefit Iftar - Faith of Life Network and The Princess Margaret Cancer Foundation, Toronto, ON.

2018 May — Invited Speaker. RMP Clinical Research Program. 9th Annual Princess Margaret Cancer Centre Faculty Retreat, Queen's Landing, Niagara-on-the-Lake, ON.

2018 May — Invited Lecturer. The Big Picture in Cancer Research. The Strategic Training in Transdisciplinary Radiation Science for the 21st Century (STARS21) training program, Toronto, ON.

PROVINCIAL/LOCAL MEETINGS (continued)

2018 Feb — Invited Speaker. Women In Science & Engineering (WISE). 2018 National Conference: Transcend Boundaries, Toronto, ON.

2018 Jan — Invited Speaker. Reflect. Refresh. Renew. Radiation Medicine Program Rounds. Bob Bell Auditorium, Princess Margaret Cancer Centre, Toronto, ON.

2017 Nov — Invited Speaker. Mitigating Radiation Fibrosis Through Metabolic Re-programming. Princess Margaret Cancer Centre Research Seminar, Princess Margaret Cancer Centre, Toronto, ON.

2017 Nov — Invited Speaker. Welcome and Introduction. The Yin and Yang of Managing Competing and Conflicting Interests in Research. Toronto Research Management Symposium 2017. Toronto, ON.

2017 Aug — Speaker. How Technology is Shaping Personalized Radiation Medicine. The Princess Margaret's Inner Circle 10th Annual Donor Appreciation Tea. The Omni King Edward Hotel, Toronto, ON.

MONTEIRO, E

2018 June — Invited Lecture. Quality Assurance in Head & Neck Surgery. 20th Annual Wharton-Day. Princess Margaret Hospital. University of Toronto. Toronto, ON.

2018 June — Invited Lecture. Oropharyngeal Carcinoma – A Surgical Perspective. Toronto Head and Neck Symposium. Toronto, ON.

2018 May — Invited Lecture. Molecular Profiling of Thyroid Nodules – Context, Cost, Concerns. 2018 Endocrinology Professional Development Day. University of Toronto. Toronto, ON.

2018 May — Invited Lecture. Evaluating Your QI Impact. 2018 Quality Symposium. Toronto, ON.

2018 Apr — Invited Lecture. Squamous Cell Carcinoma of the Maxilla and Nasal Cavity: Considerations in Maxillary Reconstruction. The Department of Dentistry – Prosthodontics. University of Toronto.

2018 Apr — Invited Lecture.. Rhinosinusitis Guidelines: My Fav Five. 2018 Rhinology Update. Department of Otolaryngology-Head & Neck Surgery. University of Toronto. Presenter(s): Monteiro E, Vescan A

2018 Feb — Invited Lecture. An Introduction to Patient Safety. Quality and Safety Primer for Otolaryngologists. Department of Otolaryngology-Head & Neck Surgery. University of Toronto.

2018 Feb — Invited Lecture. Deep Neck Space Infections. Department of Radiology. University of Toronto.

Jan 2018 — Invited Lecture. Quality Based Funding and Quality Metrics in the Management of Thyroid Cancer. Half Day Symposium on Current Topics In Thyroid Cancer Diagnosis and Management. University of Toronto. Presenter(s): Monteiro E, Irish J.

2017 Nov — Invited Lecture. Maxillary Sinus & Dental Implantation. The Department of Dentistry – Prosthodontics. University of Toronto.

2017 Nov — Invited Workshop. Beyond the Checklist: A Culture of Safety in the OR. Faculty Development Day. Departments of Surgery, Anaesthesia, and Otolaryngology-Head & Neck Surgery. University of Toronto. Presenter(s): Monteiro E, Moulton CA.

PROVINCIAL/LOCAL MEETINGS (continued)

2017 Oct — Invited Lecture. Monteiro E. An Introduction into Patient Safety. Grand Rounds. Department of Otolaryngology-Head & Neck Surgery. University of Toronto.

2017 Aug — Invited Lecture. Monteiro E. Basics of FESS. The Eastern Neuroradiological Society 29th Annual Meeting. Toronto, ON.

PAPAIOANNOU, V

2017 Dec — Panel Member. Cytomegalovirus in Developmental Hearing Loss. SENTAC Annual Meeting 2017. Toronto, ON. Moderator: Cushing SL, Presenter(s): Harrison RV, Bitnun A, Papaioannou V, Park A.

PROPST, E

2018 May — Invited Speaker. Common Issues Facing Respirologists and Otolaryngologists in the Upper and Lower Airway. SickKids Respirology Fellows. Toronto, ON.

2018 Feb — Invited Speaker. The Tracheostomy of the Future. SickKids Intensive Care Unit 50th Practical Series. Toronto, ON.

2017 Nov — Invited Speaker. Endoscopic airway emergency case presentations. McGill and Western Endoscopic Airway Course. London, ON.

2017 Nov — Invited Speaker. Cricotracheal resection. McGill and Western Open Airway Course. London, ON.

2017 Nov — Invited Speaker. Airway reconstruction. SickKids Nursing Education Rounds. Toronto, ON.

2017 Sept — Invited Speaker. Royal College exam preparation course on Otolaryngology - Head & Neck Surgery. 4th Year General Pediatric Residents and Sub Specialty Fellowship Royal College Review Session. Toronto, ON. Presenter(s): Evan Propst and Sharon Cushing.

SOLOMON, P

2016-2017 — Faculty. Rhinoplasty Course. Department of Otolaryngology-Head and Neck Surgery, Division of Facial Plastic Surgery, Faculty of Medicine, University of Toronto.

2017 — Faculty and Rhinoplasty Chair: Management of the Ethnic Nose. Canadian Academy of Facial Plastic and Reconstructive Surgery Annual Meeting. Toronto, ON.

WITTERICK, I

2018 June — Invited Lecturer. Medical & surgical management of chronic rhinosinusitis; avoiding and managing complications of FESS. Oshawa Otolaryngology Group, Oshawa, ON.

2018 Apr — Panel Member. My favourite sinus surgery maneuver: Limited endoscopic septoplasty. Rhinology Update, Department of Otolaryngology-Head & Neck Surgery, University of Toronto.

2018 Apr — Invited Lecturer. Rhinosinusitis: Anything new? The Dr. Barry Zimmerman Memorial Lectureship. Allergy Asthma & Immunology Society of Ontario. Toronto, ON.

2017 Sept — Grand Rounds Presenter. State of the Union. Department of Otolaryngology-Head & Neck Surgery, University of Toronto.

PROVINCIAL/LOCAL MEETINGS (continued)

ZADEH, G

2018 Mar — Panellist. UHN/JLABS – Johnson & Johnson's Innovation incubator and co-presented by University Health Network, for International Women's Day, closing the gap for Women in STEM (Science, Technology, Engineering and Mathematics).

2017 July — Invited Speaker. Women's Leadership Conference, session entrepreneurs and trailblazers with the intention of helping the audience understand how the panellist achieved the many great things that they've achieved in their lives, Toronto, ON.

Papers Presented at Conferences/Society Meetings

INTERNATIONAL MEETINGS

BELGIUM

CHEN, J

2018 June — The digit in noise test: overcoming the language barrier in audiometric testing. CI2018, Antwerp, Belgium. D Low, V Sanjeniouk, M Kuroiwa, T Le, V Lin, J Chen, Dimitrijevic.

2018 June — Sequential bilateral pediatric cochlear implantation: long-term usage of the second implant & factors predictive for its use. CI2018, Antwerp, Belgium. D Low, K Gordon, L Smith, K Smilsky, T Le, V Lin, B Papsin, J Chen

2018 June — Our experience with cochlear implantation in post-lingually deafened adult who exceed current candidacy criteria. CI2018, Antwerp, Belgium. M Kuroiwa, D Low, D Shipp, T Le, J Chen, V Lin

2018 June — Health Technology assessment(HTA) for public funding in Canada-expanding indications including bilateral cochlear implantation. CI2018, Antwerp, Belgium.

CUSHING, S

2018 June — Presenter. Cochlear Implantation in Children with Single Sided Deafness: Congenital Cytomegalovius is the Strongest Determinant of Candidacy. CI2018. Antwerp, Belgium. Presenter(s): Cushing SL, Gordon KA, Sokolov M, Polonenko M, Papaioannou V, Blaser S, Papsin BC.

2018 June — Presenter. Proximal Fixation of Straight Cochlear Implant Electrode May Decrease The Risk of Array Migration. CI2018. Antwerp, Belgium. Presenter(s): Zawawi F, Cushing SL, Gordon KA, Papsin BC.

2018 June — Presenter. BalanCI: Head Referenced Cochlear Implant Stimulation improves Balance in Children with Bilateral Cochleovestibular Loss. Ci2018. Antwerp, Belgium. 2018. Presenter(s): Cushing SL, Wolter NE, Gordon KA, Campos J, Vilchez Madrigal L, Pothier DD, Hughes COj, Papsin BC.

LE, T

2018 June — Cone beam CT for perioperative imaging in hearing preservation cochlear implantation – A human cadaveric study. Cochlear Implant (CI 2018), Antwerp, Belgium. Low D, Nateghifard K, Awofala L, Srikanthan D, Kuthubutheen J, Daly M, Chan H, Irish J, Chen J, Lin V, Le TN.

2018 June — MRI Assessment of SPION Contrast in the Inner Ear. Cochlear Implant (CI 2018), Antwerp, Belgium. Le TN, Kuroiwa M, Oakden W, Mukherjee S, Awofala L, Chen J, Lin V, Stanisz G.

LIN, V

2018 June — Sequential Bilateral Pediatric Cochlear Implantation – Long Term Usage of the Second Implant and Factors Predictive for its Use. 15th International Conference on Cochlear Implants and Other Implantable Auditory Technology (CI 2018). Antwerp, Belgium. Presenter(s): David Low, Vincent Lin.

INTERNATIONAL MEETINGS (continued)

2018 June — Cone Beam CT for Perioperative Imaging in Hearing Preservation Cochlear Implantation – A Human Cadaveric Study. 15th International Conference on Cochlear Implants and Other Implantable Auditory Technology (CI 2018). Antwerp, Belgium. Presenter(s): David Low, Vincent Lin.

2018 June — The Digits-in-Noise Test: Overcoming the Language Barrier in Audiometric Testing. 15th International Conference on Cochlear Implants and Other Implantable Auditory Technology (CI 2018). Antwerp, Belgium. Presenter(s): David Low, Vincent Lin.

2018 June — EEG Alpha Activity as a Neural Marker of Listening Effort During Speech-in-Noise Perception in Cochlear Implant Users. 15th International Conference on Cochlear Implants and Other Implantable Auditory Technology (CI 2018). Antwerp, Belgium. Presenter(s): Brandon Paul, Vincent Lin.

2018 June — Our Experience with Cochlear Implantation in Post-Lingually Deafened Adults who Exceed Current Candidacy Criteria. 15th International Conference on Cochlear Implants and Other Implantable Auditory Technology (CI 2018). Antwerp, Belgium. Presenter(s): Vincent Lin.

2018 June — The Development and Validation of a Cognitive Screening Test for the Severely Hearing Impaired: the Hearing Impaired Montreal Cognitive Assessment (HI-MoCA). 15th International Conference on Cochlear Implants and Other Implantable Auditory Technology (CI 2018). Antwerp, Belgium. Presenter(s): Vincent Lin.

CANADA (International Meetings In Canada)

PROPST, E

2017 Dec — Impact of obesity on success of adenotonsillectomy for obstructive sleep apnea in children. Society for Ear Nose and Throat Advances in Children (SENTAC). Toronto, ON. Presenter(s): Scheffler P, Wolter NE, Amin R, Narang I, Holler T, Ishman SL, Propst EJ.

2017 Dec — Iatrogenic atlantoaxial injury in children with trisomy 21. Society for Ear Nose and Throat Advances in Children (SENTAC). Toronto, ON. Presenter(s): Husnudinov RE, Ibrahim GM, Propst EJ, Wolter NE.

2017 Dec — Paediatric tracheostomy care practice patterns across Canada. Society for Ear Nose and Throat Advances in Children (SENTAC). Toronto, ON. Presenter(s): Rai S, Holler T, Propst EJ, Wolter NE, Amin R.

WOLTER, N

2017 Dec — Iatrogenic Antlantoaxial Injury in Children with Trisomy 21. SENTAC 44th Annual Meeting, Toronto, ON. Presenter(s): Husnudinov RE, Ibrahim GM, Propst EJ, Wolter Nikolaus E.

2017 Dec — Paediatric Tracheostomy Care Practice Patterns Across Canada. SENTAC 44th Annual Meeting, Toronto, ON. Presenter(s): Rai S, Holler T, Propst EJ, Nikolaus E. Wolter, Amin R.

2017 Dec — Impact of obesity on success of adenotonsillectomy for obstructive sleep apnea in children. SENTAC 44th Annual Meeting, Toronto, ON. Presenter(s): Scheffler P, Nikolaus E Wolter, Amin R, Narang I, Holler T, Ishman SL, Propst EJ.

2017 Dec — Laryngoplasty in pediatric patients with unilateral vocal fold paralysis. SENTAC 44th Annual Meeting, Toronto, ON. Presenter(s): Nikolaus E Wolter, Ayele N, Hseu A, Nuss R.

INTERNATIONAL MEETINGS (continued)

FRANCE

LE, T

2018 June — MRI Assessment of SPION Contrast in the Inner Ear. International Society for Magnetic Resonance in Medicine (ISMRM), Paris, France. Oakden W, Kuroiwa M, Mukherjee S, Awofala L, Chen J, Lin V, Stanisz G, Le TN.

IRELAND

CHIODO, A

2018 Feb — Improving access to care for emergency department patients presenting with dizziness (Presented at the International Conference for Healthcare and Medical Students (ICHAMS) 2018 meeting, Dublin, Ireland. J Lam, B Hubbard, P Hanam, S Chiodo, A Chiodo

HUBBARD, B

2018 Feb — Improving Access to Care for Emergency Department Patients Presenting with Dizziness. ICHAMS 2018, Ireland. Lam, Hubbard et al.

SPAIN

CHEPEHA, D

2018 Apr — Development and validation of distant metastases risk group classification in oral cavity cancer. ESTRO 2018 Meeting. Barcelona, Spain. Presenter(s): Hosni A, Huang SH, Xu W, Su S, Tong L, Bayley A, Bratman S, Cho J, Giuliani M, Kim J, Waldron J, O'Sullivan B, Ringash J, de Almeida J, Chepeha DB, Goldstein D, Hope A.

DE ALMEIDA, J

2018 Apr — Development and validation of distant metastases risk group classification in oral cavity cancer. ESTRO 2018 Meeting. Barcelona, Spain. Presenter(s): Hosni A, Huang SH, Xu W, Su S, Tong L, Bayley A, Bratman S, Cho J, Giuliani M, Kim J, Waldron J, O'Sullivan B, Ringash J, de Almeida J, Chepeha D, Goldstein D, Hope A.

GOLDSTEIN, D

2018 Apr — Development and validation of distant metastases risk group classification in oral cavity cancer. ESTRO 2018 Meeting. Barcelona, Spain. Presenter(s): Hosni A, Huang SH, Xu W, Su S, Tong L, Bayley A, Bratman S, Cho J, Giuliani M, Kim J, Waldron J, O'Sullivan B, Ringash J, de Almeida J, Chepeha D, Goldstein D, Hope A.

JAMES, A

2018 Feb — Cochlear nerve aplasia with intact efferent function: contrasts with auditory neuropathy spectrum disorder. 31st Politzer Society Meeting. Las Palmas, Gran Canaria. Spain.\

SWEDEN

CUSHING, S

2018 June — Vestibular and Balance Function is Impaired in Children with Unilateral Sensorineural Hearing Loss. Barany Society Meeting. Uppsala, Sweden. 2018. Presenter(s): Cushing SL, Sokolov M, Gordon K, Polonenko M, Blaser S, Papsin BC.

INTERNATIONAL MEETINGS (continued)

2018 June — BalanCI: Improving Balance in Children with Bilateral Cochleovestibular Loss Using Cochlear Implants. Barany Society Meeting. Uppsala, Sweden. 2018. Presenter(s): Cushing SL, Wolter NE, Gordon K, Campos J, Vilchez-Madrigal L, Pothier D, Hughes C, Papsin BC.

UNITED STATES

CHEN, J

2017 July — Cost-effectiveness and quality of life improvement in bilateral cochlear implantation. Unilateral Cochlear Implant: Impact on Quality of Life Measured With the Glasgow Benefit Inventory. CI2017, San Francisco, CA. David Low, Chen J, Lin V, et al.

CHEPEHA, D

2018 Apr — Mandibular reconstruction with scapula tip free flap. COSM 2018 Meeting. National Harbor, Maryland, USA. Presenter(s): Blumberg, J, Walker P, Johnson S, Johnson B, Yu E, Lacasse M-C, Lam D, Rittenberg B, Yao C, Chepeha DB, de Almeida J, Goldstein DP, Gilbert R.

CUSHING, S

2018 Jan — Presenter. Lessons Learned from the Candidacy Assessment of Children with Single Sided Deafness Presenting for Unilateral Cochlear Implantation. Triological Society, Combined Winter Meeting 2017. Scottsdale, AZ. Presenter(s): Cushing SL, Gordon KA, Sokolov M, Polonenko M, Blaser SI, Papsin BC.

DE ALMEIDA, J

2018 Apr — Cost-utility analysis of pre-operative screening strategies for Obstructive Sleep Apnea (OSA) among patients undergoing major elective non-cardiac surgery. IARS 2018 Annual Meeting and International Science Symposium. Chicago, IL. Presenter(s): Sankar A, Dixon P, Sivanathan L, de Almeida J, Singh M.

2018 Apr — Occult nodal disease and occult extranodal extension in oropharyngeal squamous cell carcinoma patients undergoing primary TORS with neck dissection. COSM 2018 Meeting. National Harbor, MD. Presenter(s): McMullen C, de Almeida JR.

2018 Apr — Prevalence of occult nodal disease for patients with oropharyngeal cancer undergoing TORS. COSM 2018 Meeting. National Harbor, MD. Presenter(s): McMullen C, de Almeida JR.

2018 Apr — Mandibular reconstruction with scapula tip free flap. COSM 2018 Meeting. National Harbor, MD. Presenter(s): Blumberg, J, Walker P, Johnson S, Johnson B, Yu E, Lacasse M-C, Lam D, Rittenberg B, Yao C, Chepeha D, de Almeida J, Goldstein DP, Gilbert R.

2017 Oct — Choice of Intraoperative Resuscitation Fluid in Coronary Bypass Surgery: A Cost Effectiveness Analysis. American Society of Anesthesiology 2017 Meeting. Boston, MA. Presenter(s): Sivanathan L, Corkum J, de Almeida J, Scales DC.

ESKANDER, A

2017 Sept — Quality Metric Predictors in Free Flap Reconstruction. American Academy of Otolaryngology - Head & Neck Surgery Annual Meeting, Chicago, IL.

2017 Sept — Predictors of complications in head and neck free flaps. American Academy of Otolaryngology - Head & Neck Surgery Annual Meeting, Chicago, IL.

INTERNATIONAL MEETINGS (continued)

GOLDSTEIN, D

2018 Apr — Occult Nodal Disease and Occult Extranodal Extension in Oropharyngeal Squamous Cell Carcinoma Patients undergoing Primary TORS with Neck Dissection. AHNS 2018 Meeting. National Harbor, MD. Presenter(s): McMullen C, Garneau J, Weimar E, Ali S, Farinhas J, Yu E, Som P, Sarta C, Goldstein D, Su S, Xu W, Smith R, Miles B, and Almeida JD.

2018 Apr — Mandibular Reconstruction with the Tip of Scapula Free Flap. Presenter(s): AHNS 2018 Meeting. National Harbor, MD. Blumberg J, Walker P, Johnson-Obaseki S, Yao C, Yu E, Lacasse MC, Lam D, Rittenberg B, chepeha D, de Almeida J, Goldstein DP, Gilbert R.

2018 Apr — Occult Contralateral Nodal Disease in Oropharyngeal Squamous Cell Carcinoma Patients undergoing Primary TORS with Bilateral Neck Dissection. AHNS 2018 Meeting. National Harbor, MD. Presenter(s):McMullen C, Garneau J, Weimar E, Ali S, Farinhas J, Yu E, Som P, Sarta C, Goldstein D, Su S, Xu W, Smith R, Miles B, and Almeida JD.

GORDON, K

2018 May — Bilateral Hearing Aids Do Not Preserve Binaural Cues, poster presentation at the American Auditory Society Conference, Phoenix, AZ. Osman H, Deonarain A, Papsin BC, Gordon KA.

2018 May — Cortical Auditory Network Connectivity in Bilateral Cochlear Implant Users, poster presentation at the Conference of the American Acoustical Society, Minneapolis, MN. Smieja D, Dunkley B, Papsin BC, Gordon KA.

2018 Feb — Rapid changes in cortical evoked responses in a large cohort of children receiving cochlear implants bilaterally, poster presentation at the Conference of the Association for Research in Otolaryngology, San Diego, CA. Vincent L, Polonenko M, Jewell S, Papsin BC, Gordon KA.

2018 Feb — Bimodal Hearing Disrupts Normal Brainstem ITD Processing in Children, poster presentation at the Conference of the Association for Research in Otolaryngology, San Diego, CA (won travel award, won Don Henderson Award for top trainee abstract, selected for "poster blitz" and won first prize). Polonenko M, Papsin BC Gordon, KA.

2017 July — Does bimodal hearing provide an advantage to bilateral brainstem development?, Poster, Conference on Implantable Auditory Prostheses, Lake Tahoe, CA. Polonenko M, Papsin BC, Gordon KA.

2017 July — Exploring Functional Connectivity in Auditory Networks in Experienced Bilateral Cochlear Implant Users, Poster, Conference on Implantable Auditory Prostheses, Lake Tahoe, CA. Smieja D, Dunkley B, Papsin BC, Gordon KA.

2017 July — Does Cytomegalovirus in Early Development Affect Cortical Brain Oscillations Evoked by Cochlear Implants? Poster, Conference on Implantable Auditory Prostheses, Lake Tahoe, CA. Osman H, Polonenko M, Cushing SL, Papsin BC, Gordon K.A.

LAUGHLIN, S

2017 Nov — Pediatric Brain Tumor Genetics: What the Radiologist Needs to Know. 2017 RSNA Annual Meeting. Chicago, IL. Presenter(s): Al Rayahi J, Zapotocky M, Ramaswamy V, Hanagandi P, Mubarak W, Branson H, Raybaud C, Laughlin S.

INTERNATIONAL MEETINGS (continued)

LE, T

2018 Feb — Magnetic stem cell targeting to the inner ear. Association for Research in Otolaryngology (ARO), San Diego, CA. Le TN, Straatman LV, Yanai A, Garnis C, Urs H, Rahmanian R, Poblete T, Westerberg BD, Gregory-Evans K.

LIN, RJ

2018 Apr — Positive effect of nimodipine on vocal fold and facial motion recovery following injury: a systematic review and meta-analysis. American Laryngological Association (ALA) at the Combined Otolaryngology Spring Meeting. National Harbor, MD. Lin RJ, Klein-Fedyshin M, Rosen CA.

LIN, V

2018 Jan — Cognitive Impairment is Predictive of Post-Cochlear Implant Performance. Triological Society. Scottsdale, AZ. Presenter(s): Maya Kuroiwa, Vincent Lin.

2017 July — Unilateral Cochlear Implant: Impact on Quality of Life Measured with the Glasgow Benefit Inventory. American Cochlear Implant Alliance, Stanford University. San Francisco, CA. Presenter(s): David Low, Vincent Lin.

LIU, F-F

2018 May — Cisplatin-induced ototoxicity in head and neck squamous cell carcinoma (HNSCC) patients treated with chemoradiation: The role of WFS1 and ABCC2 heritable variants. 2018 American Society of Clinical Oncology (ASCO) Meeting. Chicago, IL. Presenter(s): Mahler M. Zhang Y, Hueniken K, Brown MC, Chen Z, Mirshams M, Wang J, Siu LL, Spreafico A, Breadner DA, Teft WA, Kim RB, Winquist E, Falls C, Liu F-F, Goldstein DP, Bratman SV, Xu W, Hope A, Liu G. J Clin Oncol. 2018 May 20;36(no.15_suppl):6048.

MONTEIRO, E

2018 Feb — Quality Indicators for the Diagnosis and Management of Chronic Rhinosinusitis. Combined Otolaryngology Spring Meetings (COSM). Washington DC. Cottrell J, Yip J, Chan Y, Chin C, Damji A, de Almeida J, Desrosiers M, Janjua A, Kilty S, Lee J, MacDonald K, Meen E, Rudmik L, Sommer D, Sowerby L, Tewfik M, Vescan A, Witterick I, Wright E, Monteiro E.

2018 Feb — Learning Curve of a Virtual Reality Simulator (Neurotouch) for Endoscopic Sinus Surgery. North American Skull Base Society 28th Annual Meeting. San Diego, CA. Kolarski M, Yao C, Chen S, Monteiro E, Lee J, Vescan A.

PAPSIN, B

2018 July — Extrusion of Straight Cochlear Implant Electrode may be Diminished by Proximal Fixation. Program of the American Society of Pediatric Otolaryngology (ASPO), National Harbour, MD. Faisal Zawawi, SL Cushing, KA Gordon, AL James, BC Papsin.

2018 Apr — Evaluation of an MRI-predominant radiologic protocol for children with sensorineural hearing loss prior to cochlear implantation. Program of the Triological Society, Combined Otolaryngology Society Meeting (COSM), National Harbour, MD. JM Siu, KA Gordon, SL Blaser, BC Papsin, SL Cushing.

2018 Jan — Extrusion of Straight Cochlear Implant Electrode may be Diminished by Proximal Fixation. Program of the Triological Society Combined Sections Meeting, Scottsdale, AZ. Zawawi F, Cushing SL, Gordon KA, James AL, Papsin BC.

NATIONAL MEETINGS (continued)

2018 Jan Congenital Cytomegalovirus is a Strong Determinant of Implant Candidacy in Single Sided Deafness. Program of the Triological Society Combined Sections Meeting, Scottsdale, AZ. Cushing SL, Gordon KA, Sokolov M, Papaioannou V, Polonenko MJ, Blaser SL, Papsin BC.

SOLOMON, P

2017 Bellafill Round Table Discussion. Suneva Scientific Summit. Chicago, IL.

ZIRKLE, M

2018 May The TRACH TALK: Improving Knowledge and Confidence of ICU Trainees to Optimize Tracheostomized Patient Care, COSM, Chicago, IL. Bensoussan, Y, Anderson J, Vescan A, Zirkle M.

NATIONAL MEETINGS

ALBERTA

GORDON, K

2017 Sept Cortical plasticity with bimodal use in children with asymmetric hearing loss. Poster, International Conference on Auditory Cortex, Banff, AB (won travel award). Polonenko M, Papsin BC, Gordon KA.

BRITISH COLUMBIA

PROPST, E

2017 Sept It is time to reconsider lobectomy in low-risk paediatric thyroid cancer? Canadian Surgery Forum. Vancouver, BC. Presenter(s): Dzingala M, Wasserman J, Propst EJ, Ngan B, Pasternak J.

ONTARIO

CHEPEHA, D

2017 Sept Distant metastases risk-group definition of oral squamous cell carcinoma patients treated with postoperative intensity modulated radiotherapy. CARO Annual Scientific Meeting. Toronto, ON. Presenter(s): Hosni A, Chiu K, Huang SH, Xu W, Su J, Tong L, Bayley A, Bratman SV, Cho J, Giuliani M, Kim J, Ringash J, Waldron J, de Almeida JR, Chepeha DB, Goldstein DP, O'Sullivan B, Hope A.

2017 Sept Prevalence, Prognosis, and Treatment Implications of Retropharyngeal Nodes in Unknown Primary Head and Neck Carcinoma. CARO Annual Scientific Meeting. Toronto, ON. Presenter(s): Hosni A, Horowitz G, Yu E, Xu W, Au M, Dixon P, Goldstein DP, Chepeha DB, Huang SH, Bayley A, Cho J, Giulani M, Hope A, Kim J, O'Sullivan B, Ringash J, Waldron J, Weinreb I, de Almeida JR, Bratman SV.

DE ALMEIDA, J

2017 Sept Treatment outcomes in oropharynx cancer patients who received less than planned curative radiotherapy dose. CARO - Canadian Association of Radiation Oncology. Toronto, ON. Presenter(s): Alfaraj F, Huang SH, O'Sullivan B, Su J, Bayley A, Bratman S, Cho J, Giuliani M, Kim J, Ringash J, Waldron J, Hansen A, de Almeida J, Perez-Ordonez B, Weinreb I, Tong L, Xu W, Hope A.

NATIONAL MEETINGS (continued)

2017 Sept Distant metastases risk-group definition of oral squamous cell carcinoma patients treated with postoperative intensity modulated radiotherapy. CARO - Canadian Association of Radiation Oncology. Toronto, ON Presenter(s): Ali Hosni, Kevin Chiu, Shao Hui Huang, Wei Xu, Jie Su, Li Tong, Andrew Bayley, Scott V. Bratman, John Cho, Meredith Giuliani, John Kim, Jolie Ringash, John Waldron, John R. de Almeida, Douglas B. Chepeha, David P. Goldstein, Brian O'Sullivan, and Andrew Hope. Oral presentation

2017 Sept Prevalence, Prognosis, and Treatment Implications of Retropharyngeal Nodes in Unknown Primary Head and Neck Carcinoma. CARO - Canadian Association of Radiation Oncology. Toronto, ON. Presenter(s): Ali Hosni, Gilad Horowitz, Eugene Yu, Wei Xu, Michael Au, Peter Dixon, David P. Goldstein, Douglas B. Chepeha, Shao Hui Huang, Andrew Bayley, John Cho, Meredith Giuliani, Andrew Hope, John Kim, Brian O'Sullivan, Jolie Ringash, John Waldron, Ilan Weinreb, John R. de Almeida, Scott V. Bratman. Poster presentation.

GOLDSTEIN, D

2017 Sept Distant metastases risk-group definition of oral squamous cell carcinoma patients treated with postoperative intensity modulated radiotherapy. CARO Annual Scientific Meeting. Toronto, ON. Presenter(s): Hosni A, Chiu K, Huang SH, Xu W, Su J, Tong L, Bayley A, Bratman SV, Cho J, Giuliani M, Kim J, Ringash J, Waldron J, de Almeida JR, Chepeha DB, Goldstein DP, O'Sullivan B, Hope A.

2017 Sept Prevalence, Prognosis, and Treatment Implications of Retropharyngeal Nodes in Unknown Primary Head and Neck Carcinoma. CARO Annual Scientific Meeting. Toronto, ON. Presenter(s): Hosni A, Horowitz G, Yu E, Xu W, Au M, Dixon P, Goldstein DP, Chepeha DB, Huang SH, Bayley A, Cho J, Giulani M, Hope A, Kim J, O`Sullivan B, Ringash J, Waldron J, Weinreb I, de Almeida JR, Bratman SV.

HARRISON, R

2017 Oct Almost all cochlear hearing loss involves central auditory system degeneration. Canadian Academy of Audiology (CAA) Annual meeting. Ottawa, ON.

LIU, F-F

2017 Sept A Radiomic Prognostic Index Refines Risk Models for Distant Metastasis. Canadian Association of Radiation Oncology (CARO) 2017 Annual Scientific Meeting. "Improving care through education, advocacy, quality of life and beyond". Toronto, ON. Kwan JYY, Su J, Huang SH, Xu W, Yip K, Giuliani M, Bayley A, Kim J, Hope A, Ringash J, Cho J, McNiven A, Hansen A, Goldstein D, Aerts H, Waldron J, Haibe-Kains B, O'Sullivan B, Bratman S, Liu F-F.

2017 Sept Hematopoetic stem cell and inflammatory cytokine levels are associated with fatigue and insomnia in breast cancer patients treated with adjuvant radiation therapy. Canadian Association of Radiation Oncology (CARO) 2017 Annual Scientific Meeting. "Improving care through education, advocacy, quality of life and beyond". Toronto, ON. Liu F-F, Shi W, McCusker M, Williams J, Su J, Spence T, Li M, Xu W, Ghoraie LS, Han K, Bratman S, Yip K.

QUEBEC

CHEN, J

2018 June MRI assessment of SPION contrast in the inner ear. CSO annual Meeting, Quebec City, QC. M Kuroiwa (presenter), W Oakden, D Low, J Chen, V Lin, T Stanisz, T Le.

NATIONAL MEETINGS (continued)

DE ALMEIDA, J

2018 June Margin status and local recurrence free survival for oral cavity cancer. 72nd Annual meeting, Canadian Society of Otolaryngology. Quebec City, QC. Presenter: Christopher Hong. Coauthors: Goldstein DP, de Almeida JR.

2018 June Value in ENT Surgery – From Policies to the Bedside. 72nd Annual Meeting of the Canadian Society of Otolaryngology-Head and Neck Surgery, Quebec City, QC. E Montiero, D Enepekides, A Eskander, P Singh.

ESKANDER, A

2018 June Predictors of Symptom Index Questionnaire (Edmonton Symptom Assessment System; ESAS) Completion Among Oral Cavity and Oropharyngeal Head and Neck Cancer Patients in Ontario: A Longitudinal Population-based Study. Authors: C. Allen-Ayodabo, A. Eskander, A. Mahar, Q. Li, S. Singh, N. Coburn. Canadian Society of Otolaryngology-HNS Annual Meeting, Quebec, QC.

GOLDSTEIN, D

2018 June Margin status in Oral Tongue Cancer. Canadian Society of Otolaryngology Annual Meeting, Quebec, QC. Presenter(s): Hong C, de Almeida, Gilbert R, Brown D, Irish J, Gullane P, Chepeha D Xu W, Su S, Hosni A, Hope D, Goldstein D.

GULLANE, P

2018 June Margin status and local recurrence free survival for oral cavity cancer. Annual meeting, Canadian Society of Otolaryngology. Quebec City, QC. Presenter: Christopher Hong. Coauthors: Xu W, Gilbert R, Irish J, Gullane P, Brown D, Goldstein DP, de Almeida JR.

LE, T

2018 June MRI Assessment of SPION Contrast in the Inner Ear. Canadian Society of Otolaryngology (CSO 2018), Quebec, QC. Kuroiwa M, Oakden W, Mukherjee S, Awofala L, Chen J, Lin V, Stanisz G, Le TN.

LEE, J

2018 June Supervising Author. Impact of septal deviation on persistant chronic rhinosinusitis: a matched case-control study. Canadian Society of Otolaryngology-Head & Neck Surgery Annual Meeting. Quebec City, QC, Presenter(s): Fu T, Lee D, Yip J, Lee JM. (Trainee publication).

LIN, RJ

2018 June Innervation status of chronic vocal fold paralysis and implications for laryngeal reinnervation. Canadian Society of Otolaryngology-Head & Neck Surgery Annual Meeting. Quebec City, QC. Lin RJ, Smith LJ, Munin MC, Rosen CA.

2018 June Variation in pathways of tracheostomy care in a tertiary level 1 trauma centre. Canadian Society of Otolaryngology-Head & Neck Surgery Annual Meeting. Quebec City, QC. Bensoussan Y, Lin RJ, Banerjee T, Zirkle M, Anderson J.

PROVINCIAL/LOCAL MEETINGS

GORDON, K

2018 June — Disordered spatial awareness and navigation in children with hearing loss who use bilateral cochlear implants to hear. Collaborative Program in Neuroscience, Scientific Day, Toronto, ON. McSweeny C, Cushing SL, Campos J, Papsin BC, Gordon KA.

2018 June — Children with cochlear implants use vision to compensate for poor perception of emotion in speech. Collaborative Program in Neuroscience, Scientific Day. Toronto, ON. Osman H, Hopyan T, Polonenko M, Russo F, Papsin BC, Gordon KA.

LAUGHLIN, S

2017 Dec — Head Injuries in Depth. Canadian Symposium on Advanced Practices in Child Maltreatment. Toronto, ON. Presenter(s): Branson H, Cory E, Laughlin S, Lord A, Shouldice M.

2017 Oct — Abusive Head Trauma. 32nd Annual Organ Imaging Review. University of Toronto, Toronto, ON.

PROPST, E

2017 Aug — Vocal cord dysfunction following esophageal atresia with/without tracheoesophageal fistula repair. The SickKids Summer Research Program (SSuRe). Toronto, ON. Presenter(s): Fung SW, Fallon EM, Chiang M, Haliburton B, Zani A, Propst EJ, Chiu P. Awarded SickKids Summer Research Program Poster Prize.

SOLOMON, P

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

2016-2017 — Rhinoplasty Course. Department of Otolaryngology-Head & Neck Surgery, Division of Facial Plastic Surgery, Faculty of Medicine, University of Toronto.

2005-2017 — Rhinoplasty Course for Residents. Department of Otolaryngology-Head and Neck Surgery, Faculty of Medicine, University of Toronto.

The data provided within this annual report does not include information pertaining to faculty members: Julija Adamonis, Ashlin Alexander, Jennifer Anderson, Jamil Asaria, Saf Banglawala, Deron Brown, Robert Burke, Lora Carinci, Roman Chaban, Michael Chang, Jerry Chapnik, Nitin Chauhan, Janet Chung, Dustin Dalgorf, Jean Davidson, David Ellis, David Finkelstein, Vito Forte, David Goldfarb, Everton Gooden, Aman Grewal, David Hacker, James Haight, Jerry Halik, Basil Hassouneh, Robert Hekkenberg, Theresa Holler, Anil Katyal, Jack Kolenda, Mark Korman, Emma Leblanc, Randy Leung, Bosco Lui, Berge Marcarian, Jeffrey Mendelsohn, Robert Mounsey, Arnold Noyek, Alfred Oh, Dupe Oyewumi, Richard Rival, Lorne Segall, Manish Shah, David Ship, Oakley Smith, Ian Syrett, Victor Toran, Adam Toth, Allan Vescan, Sandra Vojvodich, Jeffrey Werger, Adrienne Wong.

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