

ANNUAL REPORT 2009 - 2010

OTOLARYNGOLOGY HEAD AND NECK SURGERY



Department of
OTOLARYNGOLOGY – HEAD AND NECK SURGERY

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Otolaryngology - Head & Neck Surgery
UNIVERSITY OF TORONTO

ANNUAL REPORT 2009-2010

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Department of Otolaryngology – Head and Neck Surgery

Professor and Chair	Dr. P.J. Gullane
Vice Chair, Director of Postgraduate and Continuing Education	Dr. I.J. Witterick
Undergraduate Director	Dr. P. Campisi
Research Director	Dr. R.V. Harrison

Otolaryngologists-in Chief:

Hospital for Sick Children	Dr. V. Forte
Mount Sinai Hospital	Dr. J.L. Freeman
St. Joseph's Health Centre	Dr. R. Fox
St. Michael's Hospital	Dr. J. Anderson
Sunnybrook Health Sciences Centre	Dr. J.M. Chen
Toronto East General Hospital	Dr. O. Smith
The University Health Network	Dr. P.J. Gullane

Divisional Chiefs:

Facial Plastic and Reconstructive Surgery	Dr. P. Adamson
Head and Neck Oncology	Dr. R. Gilbert

Committee Chair holders:

Executive	Dr. P.J. Gullane
Postgraduate	Dr. I.J. Witterick
Undergraduate	Dr. P. Campisi
Continuing Medical Education	Dr. I.J. Witterick
Research	Dr. R.V. Harrison
Audiology	Ms. K. Riko and Ms. V. Papaioannou
Promotions	Dr. R.V. Harrison
Departmental Appointments Committee (DAC)	Dr. J.C. Irish
Budget Advisory	Dr. P.J. Gullane
Community Academic Faculty	Dr. R. Rival

Edited by:
Dr. P.J. Gullane

Acknowledgements to:
Ms. Z. Huezo
Ms. A. Martin

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Mission Statement

Department of Otolaryngology – Head and Neck Surgery

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

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

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

These goals will be achieved by:

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

Chair's Report

Dr. P.J. Gullane

It is with great enthusiasm and pleasure that I present to you the 2009-2010 Annual Report of the Department of Otolaryngology – Head and Neck Surgery.

During this past year, the research and academic output, including peer-reviewed publications have again increased when compared to the previous year as documented in the Department Annual Report and from the submission of the research report of Dr. Robert V. Harrison, Director of Research and Chair of the Research Committee.

Dr. Harrison again as in previous years has coordinated a Research Evening that has helped enormously in enhancing and stimulating resident interest in pursuing research initiatives and Master's thesis. Numerous members within the department have contributed significantly to this event.

Our congratulations to Dr. Ian Witterick who was promoted to the rank of Full Professor and Dr. Paolo Campisi who was promoted to the rank of Associate Professor effective July the 1st, 2009.

Effective July the 1st, 2009, Dr. John Lee was appointed to the surgical staff of St. Michael's Hospital after he successfully completed a Fellowship in Endoscopic Sinus Surgery/Skull Base Surgery at the University of Pennsylvania.

As in previous years, it is gratifying for me personally to see the progress of each individual in our department, including the increased interest in academic productivity, increasing number of CME events lead by our CME Director, Dr. Ian Witterick and finally the increased team spirit that has helped our department to become stronger in all aspects of our specialty. This next year will certainly bring new challenges to education, research and innovations with technology.

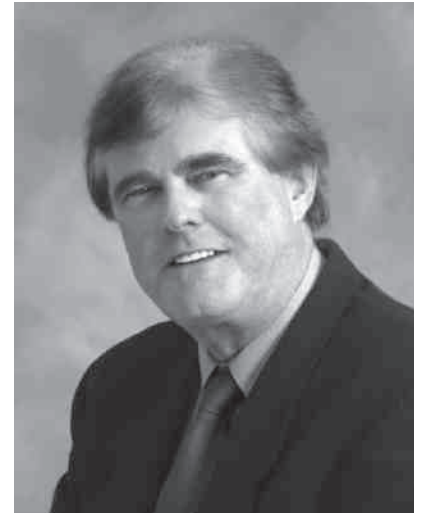
This past year saw Dr. Paolo Campisi's appointment as Undergraduate Director being renewed for a further five years. Paolo has done an outstanding job as Undergraduate Director and currently is leading the departmental initiative to expand undergraduate medical education to the Mississauga campus.

I am extremely proud of three of our faculty members who successfully completed and defended their Triological thesis. These include Dr. Paolo Campisi whose thesis titled *"The Epidemiology of Juvenile Onset Recurrent Respiratory Papillomatosis in Canada"* was accepted for active membership in the Triological Society. Dr. Adrian James whose thesis titled *"Assessment of Olivocochlear Function in Neonates with Real Time Distortion Product Otoacoustic Emissions"* was accepted for active membership in the Triological Society. His thesis received the most prestigious "Harris P. Mosher Award" given in recognition of excellence in Clinical Research. This award has only been given to four previous canadian otolaryngologists. Dr. Kevin Higgins' thesis titled *"Treatment for Early Stage Glottic Carcinoma Amongst Adult Patients: CO2 Endolaryngeal Laser Excision vs. Standard Fractionated External Beam Radiation is Superior in Terms of Cost-utility?"* was accepted for active membership also in the Triological Society. My congratulations therefore to all three individuals.

Dr. Danny Enepekides was awarded an American Academy of Otolaryngology– Head and Neck Surgery Honor Award. This award is given to members in recognition of their volunteer contributions to the Academy and its Foundation.

This past year also saw a superb initiative by Drs. Robert V. Harrison, Adrian James, Karen Gordon and Lu-Yan Wang (Hospital for Sick Children) Vincent Lin and Lendra Friesen (Sunnybrook Health Sciences Centre) in that they have been awarded a CIHR TEAM Grant of \$1.25 million over five years. The funding is to investigate various aspects of binaural hearing including age related problems in hearing. This again demonstrates the superb team work within the department.

Ms. Vicky Papaioannou was elected on June the 10th, 2010 for a one-year term as President of the College of Audiologists and Speech Language Pathologists of Ontario (CASLPO). Vicky serves as a member of our Executive Committee and



has been extremely supportive in enhancing the undergraduate and postgraduate education as it pertains to audiology within our department.

In May 2010 Dr. Dale Brown assumed the responsibilities as President of the Canadian Society of Otolaryngology – Head and Neck Surgery. We congratulate Dale on his recognition for this most important position in our specialty.

During this past year Dr. Ian Witterick was the recipient of the *2009 Distinguished Alumnus Award*. This award is presented by the Community Academic Faculty to those otolaryngology alumni from the University of Toronto program who have demonstrated exceptional commitment and dedication to the practice and teaching of Otolaryngology – Head and Neck Surgery and whose professional ethical standards have been of the highest order.

Dr. Molly Zirkle was selected and appointed as Director of the Fitzgerald Academy, Faculty of Medicine University of Toronto for a five year term, effective July the 1st 2010.

In addition, I am pleased with Dr. Karen Gordon's promotion to the level of Full Member of the graduate faculty of the Institute of Medical Science.

As in previous years, I remain proud of the incredible activity within CME. We are indebted to Dr. Ian Witterick for his leadership. During this past year, the annual Otolaryngology – Head and Neck Surgery Update at the Toronto East General Hospital coordinated through the efforts of Drs. Al Chiodo, Richard Rival and Oakley Smith again attracted over 150 people to this annual update event. This meeting has helped enormously to bring together our community colleagues and members of the Department, University of Toronto.

This past year, we have experienced a significant increased interest in our fellowship programs from all parts of the globe. Our fellowship programs in head and neck oncology, neurotology, pediatric otolaryngology, rhinology and facial plastic surgery have escalated with an increased number of applications that have become extremely competitive. As I indicated in my report last year, the international profile of the department has been enhanced as a result of the numerous clinical and research meetings attended by our faculty members. The translational research program which was initiated some years ago at the Princess Margaret Hospital jointly with the Department of Radiation Oncology, Medical Oncology and Basic Sciences has once again enhanced the research output and therefore increased the interest and attractiveness of international trainees to our department.

As we look forward into the horizon, we see numerous opportunities but also many challenges as they pertain to our ability to involve corporate support for the academic mission, expansion of our medical school to the Mississauga University Campus site, the need for further recruitment, the continual challenge of the economic downturn as it pertains to hospital support and finally the balance between superb new recruits and the elimination of mandatory retirement.

On December 5, 2009 we held a one day retreat in which we reviewed the numerous strengths, weaknesses and challenges to the department. This information will be used as we embark on a strategic planning initiative which will help us to further enhance our goals and accomplish our many expectations as we move forward over the next five years.

In conclusion, I am indebted to innumerable members of the department for their support, guidance and dedication. This past year has been challenging, however it has been enriching for me to see that the bibliometric analysis of our department's academic contributions ranks us in the top 5% of departments globally.

In closing, I take this opportunity to thank Mrs. Ursula Stephenson who retired effective September 2010 after 22 years as Postgraduate Administrator in our department. We wish Ursula every health, happiness and many years of travel with her husband. Her contributions were recognized at a celebration event where three of the five previous Postgraduate Directors that she had worked with over the past 22 years attended. We welcome Ms. Sandra Kellogg to our department as the new Postgraduate Administrator. Finally as in previous years I thank Mrs. Zoila Huezo and Mrs. Audrea Martin for their very competent and continual leadership in our department.

Undergraduate Education

My thanks to Paolo Campisi and members of the Undergraduate Committee, Drs. Dale Brown, Yvonne Chan, Kevin Higgins, Al Vescan, Molly Zirkle and Ms. Vicky Papaioannou for their support in further enhancing this most important role of our University Department.

Postgraduate Education

My thanks again to Dr. Ian Witterick and members of the Postgraduate Committee, Drs. Ashlin Alexander, Al Chiodo, Janet Chung, Danny Enepekides, Ralph Gilbert, Theresa Holler, Jane Lea, Eric Monteiro, Sharon Morong, Blake Papsin, Manish Shah and Molly Zirkle for their untiring efforts in enhancing this most important aspect of our Department.

Drs. Philip Lai, Jane Lea and Randy Leung were successful in the Royal College certification examination in Otolaryngology – Head and Neck Surgery held on June 17-18, 2010. We send our congratulations to them and wish them well in their careers in Otolaryngology – Head and Neck Surgery.

Research

My thanks and appreciation to Dr. Robert Harrison in his position as Chair of the Research Committee within the Department of Otolaryngology – Head & Neck Surgery for his continual innovations, leadership and guidance. This committee has helped stimulate and foster clinical and basic research and also enhance the resident interest in both the Surgeon Scientist Program and in pursuing a Master's thesis.



DR. PATRICK GULLANE RECEIVING AN HONORARY FELLOWSHIP OF THE ROYAL COLLEGE OF SURGEONS OF ENGLAND, JANUARY THE 19TH, 2010. DR. GULLANE IS THE FIRST CANADIAN OTOLARYNGOLOGY – HEAD AND NECK SURGEON TO BE AWARDED THIS PRESTIGIOUS RECOGNITION.

List of Faculty Members and Appointments

Professor and Chair

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

Professores Emeriti:

P.W. Alberti, MB, Ph.D., FRCSC, FRCS

B.D. Birt, MB, FRCSC, FRCS

T.D.R. Briant, MD, FRCSC

W.S. Crysdale, MD, FRCSC

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

W.M. Hawke, MD, FRCSC

J.S. McGrail, MB, M.Sc., FRCSC

J.M. Nedzelski, MD, FRCSC

Professors:

S.M. Abel, Ph.D.

P.A. Adamson, MD, FRCSC, FACS

D.H. Brown, MB, FRCSC

D.A.F. Ellis, MD, FRCSC

V. Forte, MD, FRCSC

J.L. Freeman, MD, FRCSC

J. Friedberg, MD, FRCSC

R.W. Gilbert, MD, FRCSC

J. Haight, B.M., DPhil, FRCSC

R.V. Harrison, Ph.D. D.Sc.

M.L. Hyde, Ph.D.

J.C. Irish, MD, M.Sc., FRCSC, FACS

A.M. Noyek, MD, FRCSC

B.C. Papsin, MD, M.Sc., FRCSC

R. Ralhan, Ph.D, D., FNAMS

J.A. Rutka, MD, FRCSC

I.J. Witterick, MD, MSc, FRCSC

Associate Professors:

P. Campisi, MD, FRCSC

J.S. Chapnik, MD, FRCSC

J.M. Chen, MD, FRCSC

K. Conrad, MD, FRCSC, FRCS

M.J. Davidson, MD, M.Sc., FRCSC

R.S. Fenton, MB, FRCSC, FRCS

K. Riko, M.Sc. (Appl)

A.J. Smitheringale, MB, M.Ed., FRCSC

Assistant Professors:

J. Anderson, MD, FRCSC

M. Cashman, M.Sc.

A. Chiodo, MD, FRCSC

K.Y. Chow, MB, FRCSC

F. DeSouza, MD, FRCSC

W. El Masri, MB, FRCSC

D. Enepekides, MD, FRCSC

L. Friesen, PhD, MSc.

A.M. Gantous, MD, FRCSC

D. Goldfarb, MD, FRCSC

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

J. Halik, MD, FRCSC

K. Higgins, MD, FRCSC

A. James, MB, FRCSC, FRCS

V. Lin, MD, FRCSC

W.S. Middleton, MD, FRCSC

D.B. Shipp, M.A.

O. Smith, MD, FRCSC

P.S. Wade, MD, D.D.S., FRCSC

M. Zirkle, MD, FRCSC

Lecturers:

J. Adamonis, M.Cl.Sc.

I. Bennett, M.A.

D. Brown, MD, FRCSC

Y. Chan, MD, FRCSC

A.J. da Silva, MB, FRCSC

S. Druker, M.Cl.Sc.

R. Fox, MD, FRCSC

D. Goldstein, MD, FRCSC

E. Gooden, MD, FRCSC

G. Goulding, M.Cl.Sc.

R.L. Josephson, MD, FRCSC

A. Katyal, MD, FRCSC

W. Kaul, MB, FRCSC

J. Kolenda, MD, FRCSC

J. Lee, MD, FRCSC

L. MacDonald, M.Cl.Sc.

D. Mathews, Au.D., MS

V. Papaioannou, M.Cl.Sc.

R. Rival, MD, FRCSC

K. Smilsky, MCl.Sc.

P. Solomon, MD, FRCSC

E. Thurier, M.Cl.Sc.

A. Vescan, MD, FRCSC

J. Werger, MD, FRCSC

J. Witte, M.A.

E. Wong, M.Cl.Sc.

Instructors:

B. Bliss, M.A.
N.A.T. Sandor, M.Sc.

Cross-Appointed Staff**Professors:**

B.J. Cummings, MB, FRCPC, Radiation Oncology
F. Gentili, MD, FRCSC, FACS, Surgery
S. Kamel-Reid, M.A., Ph.D., Laboratory Medicine & Pathobiology
H. Kunov, Ph.D., Biomedical Engineering
F-F. Liu, MD, FRCPC, Radiation Oncology
B. O'Sullivan, MB, FRCPC, Radiation Oncology
J.A. Sharpe, MD, FRCPC, Medicine
P.G. Walfish, MD, FRCPC, Medicine
N. Zamel, MD, FRCPC, Medicine

Associate Professors:

S. Blaser, MD, FRCSC, Medical Imaging
G. Bradley, D.D.S., MSc., Faculty of Dentistry
E. Kassel, D.D.S., MD, FRCPC, Medical Imaging
R. Martino, MSc, MA, Ph.D., Speech Language Pathology

L.E. Rotstein, MD, FRCSC, Surgery
G.P. Taylor, MD, FRCPC, Laboratory Medicine & Pathobiology
A.M-F. Wong, MD, PhD, FRCSC, FAAO, Ophthalmology & Vision Sciences

Assistant Professors:

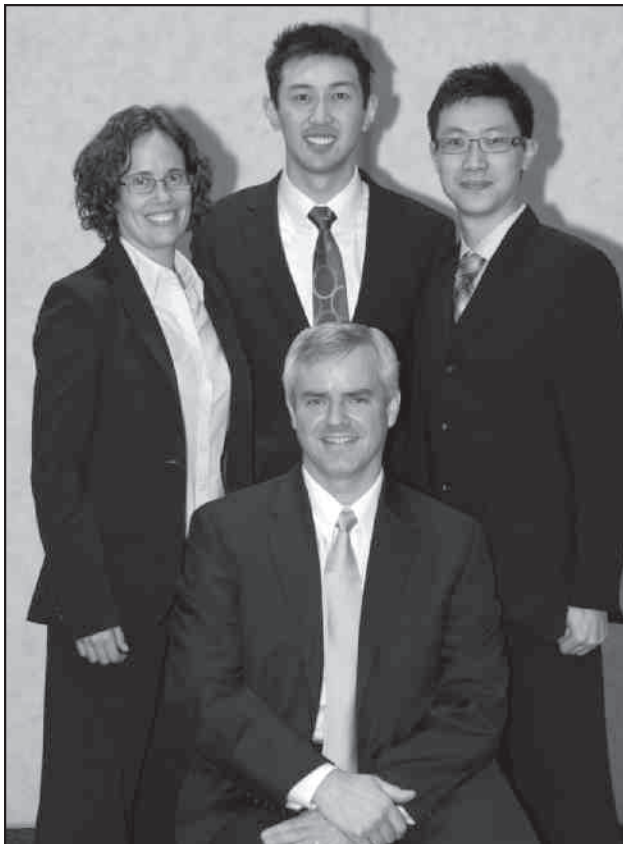
E.S. Bartlett, MPH, MD, Medical Imaging
S. Laughlin, MD, FRCPC, Medical Imaging
B.Y. Ngan, MD, FRCPC, Laboratory Medicine & Pathobiology
B. Perez-Ordoñez, MD, FRCPC, Laboratory Medicine & Pathobiology
S. Symons, BASc, MPH, MD, FRCPC, Medical Imaging
J. Waldron, MD, FRCPC, Radiation Oncology
E. Yu, MD, FRCPC Medical Imaging

Lecturers:

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

Administrative Staff:

A. Martin, Business Officer
Z. Huezo, Departmental Secretary
U. Stephenson, Postgraduate Administrator

Graduating Class 2010

DRS. JANE LEA, RANDY LEUNG, PHILIP LAI,
IAN WITTERICK (SEATED)

Residents**PGY 1**

Eric Arruda
Janet Chung
Amandeep Grewal
Maxin Merdad
Tulika Shinghal
Nikolaus Wolter

PGY 4

Ashlin Alexander
Nitin Chauhan
John de Almeida
Theresa Holler
Nadarajah Sanjeevan
Raewyn Seaberg

PGY 2

Jennifer Guillemaud
Luke Harris
Bradley Hubbard
Thileeban Kandasamy
Eric Monteiro

PGY 5**(Graduating Residents)**

Philip Lai
Jane Lea
Randy Leung

PGY 3

Dustin Dalgorf
Artur Gevorgyan
Sharon Morong
Eitan Prisman
Adrienne Wong

Fellowships:

Head and Neck Oncology:

Dr. Boban Erovic	Dr. Jonathan Irish [PMH/UHN]
Dr. Yves Jaquet	Drs. Kevin Higgins, Danny Enepekides [SHSC]
	Dr. Jonathan Irish [PMH/UHN]
Dr. Dae S. Kim	Drs. Dale Brown, David Goldstein [PMH/UHN]
	Dr. Jeremy Freeman [MSH]
Dr. Brett Miles	Drs. Ralph Gilbert, Jonathan Irish [PMH/UHN]
Dr. Ramez Nassif	Dr. Patrick Gullane [UHN]
	Dr. Jeremy Freeman [MSH]
	Drs. Dale Brown, David Goldstein [PMH/UHN]
Dr. Manish Shah	Dr. Jeremy Freeman [MSH]
	Dr. Patrick Gullane [UHN]
Dr. Kevin Wong	Drs. Kevin Higgins, Danny Enepekides [SHSC]
	Dr. Ralph Gilbert [PMH/UHN]

Facial Plastic Surgery:

Dr. Ali Sepehr	Dr. Peter A. Adamson [UHN]
Dr. Jeannie Linton	Dr. David E. Ellis [UHN]

Paediatric:

Dr. Neil Chadha	Drs. Paolo Campisi, Vito Forte, Robert V. Harrison, [HSC]
Dr. Yamilet Tirado	Drs. Paolo Campisi, Vito Forte, Robert V. Harrison, [HSC]
Dr. Faisal Abdulkader	Drs. Paolo Campisi, Vito Forte, Robert V. Harrison, [HSC]

Rhinology:

Dr. Eng H. Ooi	Dr. Ian Witterick [MSH]
Dr. Majid Bani-Ata	Dr. Ian Witterick [MSH]

Neurotology – Skull Base Surgery:

Dr. Simon Greenberg	Drs. Joseph Chen, Julian Nedzelski [SHSC]
Dr. Wei Qian	Drs. Joseph Chen, Julian Nedzelski [SHSC]

Medical Neurotology/Otology

Dr. Prodip Das	Dr. John Rutka [UHN]
Dr. Saisuree Nivatwongs	Dr. John Rutka [UHN]

TWJ Neurotology Fellowship:

Dr. David Pothier	Dr. John Rutka [UHN]
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Laryngology:

Dr. Griet Laureyns	Dr. Jennifer Anderson [SMH]
Dr. Emer Lang	Dr. Jennifer Anderson [SMH]

Upper Airway Laboratory Research Fellowship

Dr. Tongli Li	Dr. Ronald Fenton [SMH]
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Residents successful in FRCS (C) June 2010: Drs. Philip Lai, Jane Lea and Randy Leung



Department of Otolaryngology – Head & Neck Surgery – Residents 2009-2010

1st Row: Jane Lea – PGY 5, Raewyn Seaberg – PGY 4, Adrienne Wong – PGY 3, Janet Chung – PGY 1, Dr. Patrick Gullane – Chair, Dr. Robert L. Ferris – Visiting Professor, Dr. Ian Witterick – Program Director, Sharon Morong – PGY 3, Theresa Holler – PGY 4, Jennifer Guillemaud – PGY 2, Tulika Shinghal – PGY 1.

2nd Row: Eitan Prisman PGY 3, Ashlin Alexander – PGY 4, Philip Lai – PGY 5, Nadarajah Sanjeevan – PGY 4, Bradley Hubbard – PGY 2, Thileeban Kandasamy – PGY 2, Eric Arruda – PGY 1, Randy Leung – PGY 5, Dustin Dalgorf – PGY 3, Artur Gevorgyan – PGY 3, Luke Harris – PGY 2, Mazin Merdad – PGY 1, Nitin Chauhan – PGY 4, Eric Monteiro – PGY 2, John De Almeida – PGY 4.

Missing Residents: Amandeep Grewal – PGY 1, Nikolaus Wolter – PGY 1.

Visitors to the Department

Dr. Manohar Bance

Professor Department of Surgery, Head Division of Otolaryngology
Dalhousie University

Professor George G. Browning

University of Glasgow

Dr. Kenneth R. Chapman

Professor of Medicine, University of Toronto and
GSK-CIHR Research Chair in Respiratory Health Care Delivery
Director, Asthma & Airway Centre

Dr. Robert L. Ferris

Vice-Chair for Clinical Operations,
Department of Otolaryngology – Head and Neck Surgery
University of Pittsburgh

Dr. Rocco Gerace

Registrar of the CPSO
Div of Emergency Medicine
University of Western Ontario

Donald Hayes, Ph.D.

Director, Audiology
Unitron Ltd., Kitchener

Dr. Keith S. Heller

Professor and Chief of Endocrine Surgery
New York University School of Medicine

Dr. Keiko Hirose

Associate Professor, Department of Otolaryngology – Head and Neck
Surgery,
Division Director, Pediatric Otolaryngology, Washington University
School of Medicine, St. Louis, MO

Dr. Akinobu Kakigi

Department of Otolaryngology, Faculty of Medicine,
University of Tokyo, Tokyo, Japan

Dr. Robert M. Kellman

Professor and Chair
Department of Otolaryngology & Communication Sciences
State University of New York Upstate Medical University
Syracuse, New York

Dr. Peter J. Koltai

Professor and Chief, Division of Pediatric Otolaryngology
Stanford University School of Medicine
Stanford, CA

Dr. Andrew J. Maguire

Dublin, Ireland

Dr. Carsten E. Palme

“Chris O’Brien Travelling Fellow”
Specialist Surgeon, Otolaryngology – Head & Neck Surgery
Westmead Hospital, University of Sydney, Westmead, Australia

Dr. Robert A. Sofferman

Professor of Surgery
Department of Otolaryngology – Head & Neck Surgery
University of Vermont School of Medicine

Dr. Jochen A. Werner

Professor and Chairman, Department of Otolaryngology – Head and
Neck Surgery
Philipps University of Marburg, Germany

Publications

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

** Indicates resident, fellow or graduate student*

Books

Principles and Practice of Head and Neck Surgery and Oncology: 2nd Edition; Edited by Paul Montgomery, Peter Rhys-Evans and Patrick Gullane; Published by Informa Healthcare ISBN: 978-041544412-5 – July 2009

Lee KJ and Chan Y (ed) Healthcare Reform through Practical Clinical Guidelines – Ear Nose Throat. Plural Publishing. April 2010.

Zarandy MM, Rutka J, Diseases of the Inner Ear: A Clinical, Radiologic and Pathologic Atlas. Springer-Verlag Berlin Heidelberg 2010.

Book Chapters

Adamson PA, Litner J*, “Open Rhinoplasty” *in* Facial Plastic and Reconstructive Surgery, 3rd edition, Chapter 41, pp. 529-546, Editor Papel, Pub. Thieme, September 2009.

Bachar G*, Gullane P, Irish I, “Future Developments in Head and Neck Cancer Therapy” *in* Principles and Practice of Head and Neck Surgery and Oncology: 2nd Edition; Edited by Paul Montgomery, Peter Rhys-Evans and Patrick Gullane. Published by Informa Healthcare. Chapter 33, pages 630-645. July 2009.

Barker E*, Liu FF, Kamel-Reid S, Irish JC, “Molecular Biology” *in* Principles and Practice of Head and Neck Surgery and Oncology 2nd edition; Edited by Paul Montgomery, Peter Rhys-Evans and Patrick Gullane; Published by Informa Healthcare, Chapter 2, pages 14-41. July 2009.

Barker E*, Curran A*, Gullane P, Irish J, “Complications in Head and Neck Cancer Surgery” *in* Principles and Practice of Head and Neck Surgery and Oncology: 2nd Edition; Edited by Paul Montgomery, Peter Rhys-Evans and Patrick Gullane. Published by Informa Healthcare. Chapter 27, pages 512-526. July 2009.

Borcek AO, Rutka JA, Rutka JT, “Meningiomas and Neurofibromatosis Type 2” *in* Meningiomas: A Comprehensive Text. Saunders Elsevier Publishing Com.PA. Pages 593-600. 2010.

Chadha N*, Papsin BC, “Cochlear Implants in Children: The Benefits of Early Detection and Implantation” *in* VII Manual de Otorrinolaringologia Pediatrica de la IAPO (Spanish edition ISBN 978-85-60209 -05-4) (Sih T, Chinski A, Eavey R, Godinho R, eds). Editora e Grafica Vida & Consciencia, Sao Paulo, Brazil. Pages 257-262. 2009.

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Novakovic D*, Patel R*, Goldstein D, Gullane P, "Salvage of Failed Free Flaps used in Head and Neck Reconstruction." Proceedings of Head & Neck Optical Diagnostics Society. – HNODS Prize, 2010.

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Teaching Videotapes Produced

Adamson, Peter A, "Otoplasty for Protruding Ears" Videography by James Atkinson, MediMedia, Toronto, Video editing and design by Chuck Cox, San Diego Biomedical Communications, August 2009. (Selected for AAFPRS Videotape Library)

Adamson, Peter A, "Direct Eyebrow Lift" Videography by Jim Atkinson, MediMedia, Toronto, Video editing and design by Chuck Cox, San Diego Biomedical Communications. August 2009. (Selected for AAFPRS Videotape Library).

Presentations

** Indicates resident, fellow or graduate student*

SM Abel

(with CN Burrell and S Stergiopoulos)

"Hearing Protection and Auditory Situational Awareness for Military Personnel." Defence Military Personnel Research Symposium. Ottawa, Ontario. June 21-22, 2010.

N Alajez*

(with W Shi, A Hui, F-F Liu)

"The Importance of Enhancer of Zeste homologue 2 (EZH2) Histone Methyltransferase in Human Nasopharyngeal Carcinoma, and its Regulation by Micro-RNA 26a". 100th Annual Association for Cancer Research. Denver, Colorado. April 18-22, 2009.

(with M Lenarduzzi*, E Ito*, A Hui, S Yue, W Shi, R Ng, B O'Sullivan, F-F Liu)

"Mechanisms and Consequences of miR-218 Down-regulation in Head and Neck Cancers." 2nd AACR Dead Sea International Conference Advances in Cancer Research: From the Laboratory to the Clinic. Dead Sea, Jordan. March 7–10, 2010.

S Al-Saleh

(with PF Kantor, NK Chadha*, Y Tirad*, AL James, I Narang)

"Sleep Related Disordered Breathing in Children with Cardiomyopathy." 24th Annual Meeting of the Associated Professional Sleep Societies. San Antonio, Texas. June 2010.

A Alexander*

(with A Sepehr*, N Chauhan*, PA Adamson)

"Cephalic Positioning of the Lateral Crura: Implications for Nasal Tip Plasty." American Academy of Facial Plastic and Reconstructive Surgery (AAFPRS) 10th International Symposium of Facial Plastic Surgery. Hollywood, Florida. April 2010.

CH Bae

(with J Rutka, P David, P Das-Purkayastha*, N Bailie*)

"Pre and Postoperative Magnetic Searching Scleral Coil and Electrocochleography Measurements in a Patient Undergoing Transmastoid Occlusion of the Superior Semicircular Canal." 64th Annual Meeting of the Canadian Society of Otolaryngology – Head & Neck Surgery, (CSO-HNS). Niagara Falls, Ontario. May 23-26, 2010.

NK Cervigne*

(with PP Reis, J Machado*, B Sadikovic*, N Naranjo Galloni*, G Bradley, M Pintilie, I Jurisica, P Gullane, J Irish, S Kamel-Reid)

"Deregulated MicroRNA Over-expression Predicts Progression of Oral Leukoplakia to Same-Site Oral Carcinoma." 2nd World Congress, International Association of Oral Oncology (IAOO). Toronto, Ontario. July 8-11, 2009.

NK Chadha*

(with J Allegro, M Barton-Forbes, H Harlock, M Hawkes, P Campisi)

"The Quality of Life and Health Utility Burden of Recurrent Respiratory Papillomatosis in Children." Society for Ear, Nose and Throat Advances in Children (SENTAC) Annual Meeting. Salt Lake City, Utah. December 4-6, 2009.

(with A Gordin*, I Luginbuehl, G Patterson, P Campisi, G Taylor, V Forte)

"Automated Dynamic Cuff Pressure Modulation: A Novel Device Reduces Endotracheal Tube Injury." American Society of Pediatric Otolaryngologists (ASPO) Annual Meeting. Las Vegas, Nevada. April 30 – May 3, 2010.

H Chan

(with MJ Daly, JC Irish and JH Siewerdsen)

"Innovative Head and Neck Phantom for Assessment of Image-Guided Surgery System," CARS (Computer-Assisted Radiology and Surgery) Annual Meeting. Geneva, Switzerland. June 2010.

N Chauhan*

(with JP Warner*, PA Adamson)

"Adolescent Rhinoplasty: Challenges, Psychosocial and Clinical Outcomes." American Academy of Facial Plastic and Reconstructive Surgery (AAFPRS) Annual Meeting. San Diego, California. October 2009.

(with A Sepehr*, A Alexander*, PA Adamson)

"Evolution in Nasal Tip Contouring Techniques: 10 Year Evaluation and Analysis." American Academy of Facial Plastic and Reconstructive Surgery (AAFPRS) 10th International Symposium of Facial Plastic Surgery. Hollywood, Florida. April 2010.

JM Chen

(with HW Yuen*)

"Vascularized Mastoid Cranioplasty Reconstruction of Skull Base Defect Following Vestibular Schwannoma Surgery." Fifth International Skull Base Society – NASBS Meeting. Vancouver, BC. September 2009.

J Chung*

(with J Rutka, D Pothier*)

"The Importance of the Contralateral Ear in the Conservative Management of Vestibular Schwannoma." 64th Annual Meeting of the Canadian Society of Otolaryngology – Head & Neck Surgery, (CSO-HNS). Niagara Falls, Ontario. May 23-26, 2010.

S Cushing

"Histologic Evidence of Lymphatic Malformation Persistence" American Society of Pediatric Otolaryngologists (ASPO) Annual Meeting. Las Vegas, Nevada. April 30 – May 3, 2010.

D Dalgorf*

(with M Daly, J Irish)

"Accuracy and Reproducibility of Automatic versus Manual Registration Using a Cone Beam CT Image Guidance System." 64th Annual Meeting of the Canadian Society of Otolaryngology – Head & Neck Surgery, (CSO-HNS). Niagara Falls, Ontario. May 23-26, 2010.

MJ Daly

(with H Chan, B Erovic, S Nithiananthan, D Pothier*, A James, B Papsin, JH Siewerdsen, JC Irish)

"Intraoperative Cone-Beam CT and Optical Drill Tracking for Guidance of Temporal Bone Surgery." Computer-Assisted Radiology and Surgery Annual Meeting. Geneva, Switzerland. June 2010.

P Das-Purkayastha*

(with J Rutka, D Pothier*)

"Trends in Surgery for Chronic Ear Disease within the Province of Ontario (1987-2007): Reasons and Implications on Service provision and Surgical Training." 64th Annual Meeting of the Canadian Society of Otolaryngology – Head & Neck Surgery, (CSO-HNS). Niagara Falls, Ontario. May 23-26, 2010.

JR de Almeida*

(with A Vescan, I Witterick, P Gullane, F Gentili, J Ringash, L Lohfeld, T Thoma)

"Changes in Physical Symptoms by Tumor Location and Surgical Approach in Skull Base Surgery." Combined Otolaryngology Spring Meetings (COSM) Triological Society Annual Meeting. Las Vegas, Nevada. April 28 – May 2, 2010.

DJ Enepekides

American Academy of Otolaryngology – H&N Surgery Foundation 113th Annual Meeting. San Diego, California. October 4-7, 2009.

"Sleep Apnea in Patients with Oral and Oropharyngeal Cancer after Surgery and Chemoradiation Therapy"

"The Incidence of Synchronous Esophageal Pathology in Patients with Head and Neck Malignancy: A TNE Study"

A Eskander*

(with B Papsin, T Holler*)

"Delayed Complication of the KTP Laser in the Treatment of Cholesteatoma." 64th Annual Meeting of the Canadian Society of Otolaryngology – Head & Neck Surgery, (CSO-HNS). Niagara Falls, Ontario. May 23-26, 2010.

LM Friesen

(with TW Picton)

"A Possible Method for Removing Cochlear Implant Artifact." International EEG Auditory Research Study Group Conference. Rio de Janeiro, Brazil. June 2009.

(with TW Picton)

"A Possible Method for Cochlear Implant Artifact Removal." Conference of Auditory Implantable Protheses (CIAP). Lake Tahoe, California. July 2009.

D Goldstein

(with G Bachar*, J Lea*, J White*, RW Gilbert, DH Brown)

"Outcomes in Patients with Tongue Cancer Treated at the Princess Margaret Hospital from 1994 to 2004." 2nd World Congress, International Association of Oral Oncology (IAOO). Toronto, Ontario. July 8-11, 2009.

KA Gordon

(with N Chadha*, BC Papsin)

"Benefits of Short Inter-Implant Delays in Children Receiving Bilateral Cochlear Implants." Conference of Auditory Implantable Prostheses (CIAP). Lake Tahoe, California. July 2009.

(with J Valero, SF Jewell, J Ahn, BC Papsin)

"Auditory Development in the Absence of Hearing in Infancy." Conference of Auditory Implantable Prostheses (CIAP). Lake Tahoe, California. July 2009.

(with BC Papsin)

"Benefits of Short Inter-Implant Delays in Children Receiving Bilateral Cochlear Implants." Society for Ear, Nose and Throat Advances in Children (SENTAC) Annual Meeting. Salt Lake City, Utah. December 4-6, 2009.

11th International Conference on Cochlear Implants and Other Implantable Auditory Technologies. Stockholm, Sweden. June 30 – July 3, 2010.

"Bilateral Cochlear Implantation in Children: A Short Overview"

"Effects of GJB-2 Mutations on Cortical Activity in Children Receiving Bilateral Cochlear Implants Simultaneously"

S Greenberg*

(with J Chen, L Bartel, K Friesen, D Shipp, V Lin, J Nedzelski)

"Experience of Music Appreciation in Cochlear Implant Patients: A Qualitative Study." 64th Annual Meeting of the Canadian Society of Otolaryngology – Head & Neck Surgery, (CSO-HNS). Niagara Falls, Ontario. May 23-26, 2010.

PA Groome

(with SL Rohland, SF Hall, JC Irish, EJ Mackillop, B O'Sullivan)

"Understanding Late Diagnoses in Oral Cavity Cancer." CCO/OICR Health Services Research Workshop. Toronto, Ontario. February 2010.

MR Hasan*

(with R Sharma, T Kausar*, SS Chauhan and R Ralhan)

"TC21 Downregulation Induces Cisplatin Sensitivity in Esophageal Cancer Cells." 2nd AACR International Conference on "Advances in Cancer Research: From the Laboratory to the Clinic". Jordan, March 7-10, 2010.

F Hoebbers

(with A Kirilova, W Foltz, S Breen, A Hope, C Menard, E Yu, R Martino, J Waldron)

"A Pilot Study to Evaluate Swallowing and Dysphagia after Radiation in Head and Neck Cancer Patients, Using MRI: Preliminary Results." 2nd World Congress, International Association of Oral Oncology (IAOO). Toronto, Ontario. July 8-11, 2009.

T Holler*

(with J Allegro, NK Chadha*, M Hawkes, RV Harrison, V Forte, P Campisi)

"Voice Outcomes Following Repeated Surgical Resection of Laryngeal Papillomata in Children." American Academy of Otolaryngology – H&N Surgery Foundation 113th Annual Meeting. San Diego, California. October 4-7, 2009. **[Awarded First prize Clinical Research Papers, AAO-HNSF Gyrus Resident and Medical Student Research Competition]**

T Hopyan*

(with BC Papsin, KA Gordon)

"Multi-Sensory Information Enhances Speech Perception in Children using Cochlear Implants." 11th International Conference on Cochlear Implants and Other Implantable Auditory Technologies. Stockholm, Sweden. June 30 – July 3, 2010.

B Hubbard*

(with K Mason, D Pothier*)

"How we are Subliminally Anchored in our Clinical Decision Making: The Effect of Arbitrary Coherence: A Randomized Controlled Trial." 64th Annual Meeting of the Canadian Society of Otolaryngology – Head & Neck Surgery, (CSO-HNS). Niagara Falls, Ontario. May 23-26, 2010.

E Ito*

(with W Yue*, EH Moriyama, F-F Liu)

"An RNAi Screen Identifies a Heme Biosynthetic Mediator as a Novel Radiosensitizing Target for Head and Neck Cancer." Special Symposia: Future Leaders in Translational Research. 101st Annual Association for Cancer Research. Washington, DC. April 17-21, 2010.

AL James

"Scarring from Hyaluronic Acid Film in Middle Ear Surgery." American Academy of Otolaryngology – H&N Surgery Foundation 113th Annual Meeting. San Diego, California. October 4-7, 2009.

(with I Sherifi*, G Taylor)

"Hearing Preservation in Pediatric Cholesteatoma Surgery." Society for Ear, Nose and Throat Advances in Children (SENTAC) Annual Meeting. Salt Lake City, Utah. December 4-6, 2009.

"Assessment of Olivocochlear Function in Neonates with Real Time Distortion Product Otoacoustic Emissions." Combined Otolaryngology Spring Meetings (COSM) Triological Society Annual Meeting. Las Vegas, Nevada. April 28 – May 2, 2010.

J Lea*

(with D Goldstein, M Yehuda*, R Moukarbel*, R Gilbert, DH Brown)

"Squamous Cell Carcinomas of the Floor of Mouth: Outcomes and Prognostic Indicators." 2nd World Congress, International Association of Oral Oncology (IAOO). Toronto, Ontario. July 8-11, 2009.

(with G Bachar*, A Sawka, D Lakra, R Gilbert, J Irish, D Goldstein)

"Metastases to Level IIb in Squamous Cell Carcinoma of the Oral Cavity: A Systematic Review." 2nd World Congress, International Association of Oral Oncology (IAOO). Toronto, Ontario. July 8-11, 2009.

J Lee

(with JV Nayak, L Doghramji, KC Welch, AG Chiu)

"Post Sinus Surgery Nasal Irrigation: What are the Real Risks of Contamination?" American Rhinologic Society Annual Meeting. San Diego, California. October 2009.

(with ER Ransom, JY Lee, JN Palmer, AG Chiu)

"Endoscopic Anterior Skull Base Surgery: Intra-Operative Considerations of the Crista Galli and Post-Operative Outcomes." American Rhinologic Society Annual Meeting. San Diego, California. October 2009.

M Lenarduzzi*

(with A Hui*, N Alajez*, C How, F-F Liu)

"Potential Importance of Micro-RNA-193b in Human Head and Neck Squamous Cell Carcinoma." 101st Annual Association for Cancer Research. Washington, DC. April 17-21, 2010.

V Lin

(with S Greenberg*, JM Chen, D Shipp, JM Nedzelski)

"Post Blunt Head Trauma Loss in the Context of an Adult Cochlear Implant Program." American Neurotological Society Annual Meeting. Las Vegas, Nevada. April 2010.

MA Macha*

(with A Matta*, U Sriram*, A Thakkar, NK Shukla, S DattaGupta, R Ralhan)

"Clinical Significance of TC21/R-Ras2 Overexpression in Oral Carcinogenesis." HUPO 2009 World Congress. Toronto, Ontario. September 26-30, 2009. **[Winner of Young Investigator Award]**

(with A Matta*, R Ralhan and KWM Siu)

"Guggulsterone (GS) Inhibits STE/Nicotine Induced Phosphorylation of Bad, Bcl2 Through Modulation of Akt Pathway in Oral Cancer SCC4 Cells." 8th International Symposium on Targeted Anticancer Therapies. Bethesda, MD. March 4-6, 2010.

(with A Matta*, R Ralhan and KWM Siu)

"Guggulsterone (GS) Induces Apoptosis in Oral Cancer Cells Through Dephosphorylation and Dissociation of pBad from 14-3-3zeta." The second AACR Dead Sea International Conference on "Advances in Cancer Research: From the Laboratory to the Clinic". Jordan, March 7-10, 2010.

J Machado*

(with PP Reis, T Zhang, C Simpson, W Xu, B Perez-Ordenez, P Gullane, J Irish, S Kamel-Reid)

"HPV Detection in Head and Neck Cancer using the Roche Linear Array HPV Genotyping Test." 2nd World Congress, International Association of Oral Oncology (IAOO). Toronto, Ontario. July 8-11, 2009.

O Masui*

(with R Ralhan, LV DeSouza, A Matta*, S Ghany and KWM Siu)

"Secretome-Based Identification of Potential Head and Neck / Oral Squamous Cell Carcinoma Markers." HUPO 2009 World Congress. Toronto, Ontario. September 26-30, 2009.

A Matta*

(with LV DeSouza, R Ralhan and KWM Siu)

"Knocking Down 14-3-3 Zeta Sensitizes Head and Neck Cancer Cells to Chemotherapeutic Drugs *in vitro*." HUPO 2009 World Congress. Toronto, Ontario. September 26-30, 2009.

(with SS Chauhan and R Ralhan)

"Small Interfering RNA (siRNA) Targeting 14-3-3 zeta Sensitizes Head and Neck Cancer Cells to Chemotherapy." Annual Scientific Meeting of Ontario Institute for Cancer Research. Alliston, Ontario. Feb. 28 – March 2, 2010.

(with LV DeSouza, R Ralhan and KWM Siu)

"Knocking Down 14-3-3 Zeta Sensitizes Head and Neck Cancer Cells to Chemotherapeutic Drugs *in vitro*." Keystone Symposium – Apoptosis, Autophagy and Necrosis. Vancouver, BC. March 17-21, 2010.

(with LV DeSouza, R Ralhan and KWM Siu)

"14-3-3 Zeta Downregulation Sensitizes Head and Neck Cancer Cells to Chemotherapeutic Agents." 101th Annual Meeting of American Annual Association for Cancer Research. Washington, DC. April 17-21, 2010.

R McLeod

(with J Irish, A Hunter, L McKnight, C Nhan, C Provvidenza, B Bora, J Chin, D Driman, A Evans, N Fleshner, D McCready, R George, M Quan, A Smith)

"Moving Evidence into Practice through Online Discussion for Physicians." CCO/OICR Health Services Research Workshop. Toronto, Ontario. February 2010.

(with J Irish, A Hunter, L McKnight, C Nhan, C Provvidenza, B Bora, J Chin, D Driman, A Evans, N Fleshner, A Smith, J Srigley)

"Regional Physician Champions: Local Drivers of Engagement and Quality Improvement." CCO/OICR Health Services Research Workshop. Toronto, Ontario. February 2010.

R Nassif*

(with P Gullane, E Ho, D Goldstein)

"Do Contrast Swallow Examination for Patients following Major Ablative Pharyngeal and Laryngeal Surgery Help Predict Enterocutaneous Fistula? – A Retrospective Clinicoradiologic Evaluation." 64th Annual Meeting of the Canadian Society of Otolaryngology – Head & Neck Surgery, (CSO-HNS). Niagara Falls, Ontario. May 23-26, 2010.

J Nedzelski

(with J Wang, D Shipp, S Greenberg*, V Lin, J Chen)

"Cochlear Implantation in Patients with Autoimmune Inner Ear Disease (Including Cogan's Syndrome): A Comparison with Age and Sex Matched Controls." Triological Society Combined Section Meeting Orlando, Florida. February 4-7, 2010.

B Ngan

(with G Taylor, MJ Phillips, M Zielenska, M Shago, HSL Chan, AL James V Forte)

"Challenges in the Diagnosis of Malignant Primitive Tumors of Pediatric Nasal Cavity and Sinuses (MPTPNCS)." 22nd European Congress of Pathology. Florence, Italy. Jul 2009.

EH Ooi*

(With JT Glicksman, A Vescan, IJ Witterick)

"Fibroosseous Lesions of Paranasal Sinuses and Skull Base." Combined Otolaryngology Spring Meetings (COSM) Triological Society Annual Meeting. Las Vegas, Nevada. April 28 – May 2, 2010.

B Papsin

(with T Davids*, S Jewell, AL James, KA Gordon)

"Complications after Cochlear Implantation in Children Less Than One Year of Age." Society for Ear, Nose and Throat Advances in Children (SENTAC) Annual Meeting. Salt Lake City, Utah. December 4-6, 2009.

(with P Das-Purkayastha*, A James, KA Gordon)

"Cochlear Implantation in Children Less Than One Year Old – A Review of Complications." 11th International Conference on Cochlear Implants and Other Implantable Auditory Technologies. Stockholm, Sweden. June 30 – July 3, 2010.

E Park

(with V Lin, D Shipp, J Chen, J Nedzelski)

"The Impact of Unilateral Multichannel Cochlear Implant on Speech Recognition and Quality of Life in Postlingually Deaf Adults." 64th Annual Meeting of the Canadian Society of Otolaryngology – Head & Neck Surgery, (CSO-HNS). Niagara Falls, Ontario. May 23-26, 2010.

RS Patel *

(with J Guillemaud*, DP Goldstein, DH Brown, RW Gilbert, PJ Gullane)

"Prognostic Implications and Necessity for Post-Surgical Adjuvant Therapy in Microscopic Cut-Through of Oral Carcinoma." 2nd World Congress, International Association of Oral Oncology (IAOO). Toronto, Ontario. July 8-11, 2009.

D Pothier*

(with S MacKeith)

"The Ovine Middle Ear: Comparative Anatomy and Relative Anatomy: A model for Surgical Training and Research." 64th Annual Meeting of the Canadian Society of Otolaryngology – Head & Neck Surgery, (CSO-HNS). Niagara Falls, Ontario. May 23-26, 2010.

(with AR Maw)

"Staging Retraction of the Tympanic Membrane Cannot be Achieved Sufficiently Reliably for Clinical Purposes: Where are We Going Wrong?" 64th Annual Meeting of the Canadian Society of Otolaryngology – Head & Neck Surgery, (CSO-HNS). Niagara Falls, Ontario. May 23-26, 2010.

E Prisman*

(with M Daly, H Chan, J Siewerdsen, A Vescan, J Irish)

"Utility of Real-Time Endoscopic Tracking, Preoperative Contouring and Virtual Endoscopy on Image Guided Endoscopic Surgery in a Cadaver." Combined Otolaryngology Spring Meetings (COSM) Triological Society Annual Meeting. Las Vegas, Nevada. April 28 – May 2, 2010.

(with N Chadha*, A Gordin*, P Campisi, M Estrada, V Forte)

"A Novel Endoscopically Placed Stent to Relieve Glottic Obstruction Caused by Bilateral Vocal Fold Paralysis." American Society of Pediatric Otolaryngologists (ASPO) Annual Meeting, Las Vegas, Nevada. April 30 – May 3, 2010.

(with N Chadha*, K Gordon, P Campisi, M Estrada, V Forte)

"A Customized Stent to Secure the Airway in an Animal Model of Bilateral Vocal Cord Paralysis: A Pilot Study." 64th Annual Meeting of the Canadian Society of Otolaryngology – Head & Neck Surgery, (CSO-HNS). Niagara Falls, Ontario. May 23-26, 2010.

E Propst

"Pediatric Tracheal Reconstruction Using Cadaveric Homograft." American Society of Pediatric Otolaryngologists (ASPO) Annual Meeting. Las Vegas, Nevada. April 30 – May 3, 2010.

PP Reis

(with E Barker*, M Sukhai*, R Goswami*, J Irish, S Kamel-Reid)

"Can SLUG, SNAI1, TWIST1, TGFβ, N-cadherin and E-cadherin Predict the Metastatic Potential of Oral Squamous Cell Carcinoma?" 2nd World Congress, International Association of Oral Oncology (IAOO). Toronto, Ontario. July 8-11, 2009.

(with M Tomenson*, N Cervigne*, M Sukhai*, N Naranjo Galloni*, I Jurisica, M Pintilie, B Perez-Ordenez, D Brown, R Gilbert, P Gullane, J Irish, S Kamel-Reid)

"Biomarkers of Recurrence in Oral Carcinoma." 2nd World Congress, International Association of Oral Oncology (IAOO). Toronto, Ontario. July 8-11, 2009.

(with E Barker*, G Netchev*, R Goswami*, B Wilson, J Irish, S Kamel-Reid)

"Autofluorescence Imaging and Biomarkers Combined Provide a Predictive Strategy in Oral Cavity Malignancy." 2nd World Congress, International Association of Oral Oncology (IAOO). Toronto, Ontario. July 8-11, 2009.

N Sanjeevan*

(with A James, B Papsin)

"Grading the Grades: Tympanic Retraction." 64th Annual Meeting of the Canadian Society of Otolaryngology – Head & Neck Surgery, (CSO-HNS). Niagara Falls, Ontario. May 23-26, 2010.

W Shi*

(with H Kato*, B Perez-Ordenez, M Pintilie, S Huang, A Hui, C How, B O'Sullivan, J Waldron, P Gullane, L Siu, M Gillison, F-F Liu)

"Comparative Predictive Value of E6 mRNA vs. HPV16 ISH for Human Oropharyngeal Carcinoma." Canadian Association of Radiation Oncology. Montreal, Quebec. September 30 – October 3, 2009.

(with H Kato*, B Perez-Ordenez, M Pintilie, S Huang, A Hui, C How, B O'Sullivan, J Waldron, P Gullane, L Siu, M Gillison, F-F Liu)

"Comparative Predictive Value of E6 mRNA vs. HPV16 ISH for Human Oropharyngeal Carcinoma." 100th Annual Association for Cancer Research. Denver, Colorado. April 18-22, 2009.

M Shriman*

(with G Bachar*, J Lea*, C Volling, C Ma, PJ Gullane, D Goldstein)

"Nodal Ratio is an Independent Predictor of Survival in Squamous Cell Carcinoma of the Oral Cavity." 2nd World Congress, International Association of Oral Oncology (IAOO). Toronto, Ontario. July 8-11, 2009.

SP Symons

(with J Hochman*, J Mainprize, JM Chen)

"Photo Printing Derived Temporal Bones for Trainee Simulated Surgery." American Society of Head and Neck Radiology Meeting. New Orleans, Louisiana. October 2009.

R Tasevski *

(with D Goldstein, DH Brown, E Bartlett, E Yu, L Rotstein)

"Comparison of Contrast Enhanced Computed Tomography and Ultrasound in the Preoperative Diagnosis of Cervical Lymph Node Metastases in Papillary Thyroid Carcinoma." World Congress on Thyroid Cancer. Toronto, Ontario. August 7, 2009.

AL Thompson

(with A Bharatha, JM Chen, RI Aviv, SP Symons)

"High Resolution T2 Weighted Gradient Echo MR Imaging Compared with Multidetector CT for the Detection of Semicircular Canal Dehiscence." American Society of Head and Neck Radiology Meeting. New Orleans, Louisiana. October 2009.

SC Tripathi*

(with A Matta*, J Kaur*, SS Chauhan, LV DeSouza, NK Shukla, S DattaGupta, KWM Siu, R Ralhan)

"Overexpression of Prothymosin Alpha in Oral Premalignant Lesion." HUPO 2009 World Congress, Toronto, ON, September 26-30, 2009.

[Winner Young Investigator Award].

AD Vescan

"Development of UTSBI for Skull Base Surgery." North American Skull Base Society 20th Annual Meeting. New Orleans, LA. October 14-18, 2009.

GD Williams*

(with LV DeSouza, AD Romaschin, TJ Colgan, R Ralhan, J Mukherjee, A Guha and KWM Siu)

"Determination of Candidate Biomarkers in Sera from Three Malignancies and Control Groups using Isotopic Labels and Multiple Reaction Monitoring." HUPO 2009 World Congress. Toronto, Ontario. September 26-30, 2009.

A Wong*

(with J Allegro, N Chadha*, P Campisi)

"Motor Speech Characteristics in Children: Establishing a Normative Database." Society for Ear, Nose and Throat Advances in Children (SENTAC) Annual Meeting. Salt Lake City, Utah. December 4-6, 2009.

(with T Holler*, J Allegro, P Campisi)

"Motor Speech Characteristics in Children with Bilateral Cochlear Implants." 64th Annual Meeting of the Canadian Society of Otolaryngology – Head & Neck Surgery, (CSO-HNS). Niagara Falls, Ontario. May 23-26, 2010.

AYM Wong

(with K Mah, RNF Lee, JC Irish, G Rodin, GM Devins)

"Congruence Between Cultural Syndromes and Appraisals of Common Cancer-Related Stressors." 12th World Congress on Psycho-Oncology. Quebec City, Quebec. May 2010.

(with RNF Lee, JC Irish, G Rodin, GM Devins)

"Cancer-Related Stressors Moderate Effects of Symptom Burden on Illness Intrusiveness in Head and Neck Cancer." Canadian Association of Psycho-Oncology. Toronto, Ontario. May 2010.

K Wong*

(with K Higgins, D Enepekides, R Gilbert, D Goldstein)

"Osteoradionecrosis of the Mandible: University of Toronto Experience." 64th Annual Meeting of the Canadian Society of Otolaryngology – Head & Neck Surgery, (CSO-HNS). Niagara Falls, Ontario. May 23-26, 2010.

Poster Displays

P Bradley*, D Pothier*, "Differences in Clinical Information Obtained from Otoendoscopy versus Standard Otoscopy in the Assessment of the Ear." 64th Annual Meeting of the Canadian Society of Otolaryngology – Head & Neck Surgery, (CSO-HNS). Niagara Falls, Ontario. May 23-26, 2010.

Brown TA and Harrison RV, "Postnatal Development of FM Coding in Chinchilla Auditory Cortex." 3rd International Conference on Auditory Cortex. Magdeburg, Germany. August 29 – September 2, 2009.

P Campisi, Y Tirado*, NK Chadha*, V Forte, "Otoscopy Simulation: A New Paradigm in Undergraduate Medical Education." 8th Annual Education Achievement Day, Faculty of Medicine, University of Toronto. Toronto, Ontario. May 2010.

T DasGupta, J Grey, K Higgins, D Enepekides, "Implementation of an Inter-Professional Vocal Cord Procedure Clinic." Odette Cancer Centre Inter-Professional Day, Sunnybrook Hospital. Toronto, Ontario. June 16, 2010.

W Di Trani, C Barbu, V Lin, "The Bone-Anchored Hearing Aid: A Case Study to Explore the Meaning of Surgery for Sudden Single-Sided Hearing Loss." Operating Room Nurses Association of Ontario Meeting. Niagara Falls, Ontario. April 2010.

A Eskander*, D Goldstein, D Ghazarian, P Bray, L Dawson, "Squamous Cell Carcinoma Arising in a Proliferating Pilar (Trichilemmal) Cyst with Nodal and Distant Metastasis." 64th Annual Meeting of the Canadian Society of Otolaryngology – Head & Neck Surgery, (CSO-HNS). Niagara Falls, Ontario. May 23-26, 2010.

K Fung* and Canadian Undergraduate Medical Education Working Group (including P Campisi), "The Otolaryngology Head and Neck Surgery Undergraduate Medical Education Working Group: A Canadian Initiative for Curriculum Development." 64th Annual Meeting of the Canadian Society of Otolaryngology – Head & Neck Surgery, (CSO-HNS). Niagara Falls, Ontario. May 23-26, 2010.

J Garlick*, V Lin, J Stone, "FM1-43 Uptake and Recovery of Evoked ABRs in the Gentamicin-Damaged Chicken Basilar Papilla." 33rd Annual Mid-Winter Research Meeting of the Association for Research in Otolaryngology (ARO). Anaheim, California. February 6-11, 2010.

KM Higgins, K Wong*, D Enepekides, "Cost effectiveness analysis of 2-team microsurgical procedures at Sunnybrook Health Sciences Centre." 64th Annual Meeting of the Canadian Society of Otolaryngology – Head & Neck Surgery, (CSO-HNS). Niagara Falls, Ontario. May 23-26, 2010.

S Hugh, V Lin, "When do We Choose the 'Better Balance' Ear in Cochlear Implants?" Combined Otolaryngology Spring Meetings (COSM) Triological Society Annual Meeting. Las Vegas, Nevada. April 28 – May 2, 2010.

S Hugh, V Lin, D Shipp, J Chen, J Nedzelski, "Side Selection and Asymmetric Caloric Reduction in Preoperative Cochlear Implant Planning." 64th Annual Meeting of the Canadian Society of Otolaryngology – Head & Neck Surgery, (CSO-HNS). Niagara Falls, Ontario. May 23-26, 2010.

S Hugh, V Lin, "Cochlear Implantation in Patients with Unilateral Vestibular Hypofunction: Development of an CI Implant Algorithm Based Upon Preoperative ENG." 64th Annual Meeting of the Canadian Society of Otolaryngology – Head & Neck Surgery, (CSO-HNS). Niagara Falls, Ontario. May 23-26, 2010.

V Lin, "FM1-43 Uptake and Recovery of Evoked ABRs in the Gentamicin-Damaged Chicken Basilar Papilla." 33rd Annual Mid-Winter Research Meeting of the Association for Research in Otolaryngology (ARO). Anaheim, California. February 6-11, 2010.

L McLean and Canadian Undergraduate Medical Education Working Group (incl. P. Campisi). Variations in undergraduate medical education in otolaryngology. Presented at the 64th Annual Meeting of the Canadian Society of Otolaryngology – Head & Neck Surgery, (CSO-HNS). Niagara Falls, Ontario. May 23-26, 2010.

RS Patel*, J Guillemaud*, DP Goldstein, D Brown, RW Gilbert, PJ Gullane, "Prognostic Implications and Necessity for Post-Surgical Adjuvant Therapy in Microscopic Cut-Through of Oral Carcinoma." 2nd World Congress, International Association of Oral Oncology (IAOO). Toronto, Ontario. July 8-11, 2009.

D Pothier*, "Clinical Significance of the Heat Generated by Otoendoscopes: An *in vitro* Ovine Study." 64th Annual Meeting of the Canadian Society of Otolaryngology – Head & Neck Surgery, (CSO-HNS). Niagara Falls, Ontario. May 23-26, 2010.

R Seaberg*, I Weinreb, S Kamel-Reid, PJ Gullane, D Goldstein, B Perez-Ordenez, "t (11:19) Translocation in Mucoepidermoid Carcinoma." 99th United States and Canadian Academy of Pathology (USCAP) Annual Meeting. Washington DC. March 20-26, 2010. **[Winner of the Best Poster presentation.]**

T Shinghal*, J Lee, "Facial Palsy and Nasal Mass: An Unusual Presentation of 'Wegener Granulomatosis: Case Report and Review of the Literature.'" 64th Annual Meeting of the Canadian Society of Otolaryngology – Head & Neck Surgery, (CSO-HNS). Niagara Falls, Ontario. May 23-26, 2010.

R Tasevski, D Goldstein, DH Brown, E Bartlett, E Yu, L Rotstein, "Comparison of Contrast Enhanced Computed Tomography and Ultrasound in the Preoperative Diagnosis of Cervical Lymph Node Metastases in Papillary Thyroid Carcinoma." American Association of Endocrine Surgeons. Pittsburgh, Pennsylvania. April 18-20, 2009.

K Wong*, D Enepekides, K Higgins, "Cost Effectiveness of Simultaneous versus Sequential Surgery in Head and Neck Reconstruction." 64th Annual Meeting of the Canadian Society of Otolaryngology – Head & Neck Surgery, (CSO-HNS). Niagara Falls, Ontario. May 23-26, 2010.

DDE Wong*, BD Papsin, KA Gordon, "Hemispheric Lateralization of Cortical Responses in Children Using Bilateral Cochlear Implants." 33rd Annual Mid-Winter Research Meeting of the Association for Research in Otolaryngology (ARO). Anaheim, California. February 6-11, 2010.

Radio and TV Presentations

JM Chen Media Exposure from the following article:

de Almeida JR*, Al Khabori M, Guyatt GH, Witterick IJ, Lin VY, Nedzelski JM, Chen JM,

"Combined Corticosteroid and Antiviral Treatment for Bell Palsy: A Systematic Review and Meta-Analysis." JAMA 302(9): 985-93. September 2009.

Fox Channel 12 JAMA video interview (Sept. 1, 2009)

WCBS JAMA video interview (Sept. 1, 2009)

NWCN.COM-24 hour News JAMA interview (Sept. 5, 2009)

ABC Eye Witness News Ch 7 JAMA interview (Sept. 1, 2009)

CTV news (Sept. 5, 2009)

A Gantous, Invited Guest, Health Talk, CP24 News Channel. Toronto, Ontario. July 20, 2009. "Trends in Plastic Surgery and Cosmetic Surgery in Teens."

V Lin, Appearance on Global TV Show, July 5, 2009. 16:9 The Bigger Picture. Episode entitled "Head Noise". Documentary on "Tinnitus."

P Solomon, "Teenage Cosmetic Surgery." Interview published in the Globe and Mail. 2010.

P Solomon, Fairchild TV interview, "Current and New CPSO Policy Surrounding Cosmetic Surgery in Ontario." 2010.

P Solomon, Cosmetic Facial Plastic Surgery – Quarterly issue of Revive Magazine. July 2009 to present.

Percy Ireland Department of Otolaryngology – Head & Neck Surgery Academic Day

The department's annual Resident & Fellows Research Day was held on May 7, 2010.

Dr. Robert L. Ferris, Vice-Chair for Clinical Operations, Department of Otolaryngology – Head and Neck Surgery University of Pittsburgh was invited as the 19th Percy Ireland Visiting Professor and delivered the Percy Ireland Oration entitled *"Biological and Immuno-Therapies for Head and Neck Cancer: What's a Surgeon to Do?"*

Dr. William S. Crysedale was selected as the Honoured Guest, following the tradition of honoring individuals who have made significant and long standing contributions to our department.

Papers were presented in six categories. Those who won prizes in each category are marked with an asterisk.

Category 1 – Work undertaken by PGY 1 residents during clinical rotation

Dr. Eric Arruda (*)

Staying 'Level'-headed: An Accelerometer-Based Device to Track Balance Stability

Mentors: Drs. David Pothier and Bradley Hubbard

Category 2 – Work undertaken by PGY 2 residents during clinical rotation

Dr. Jennifer Guillemaud

Vertical Partial Laryngectomy for Squamous Cell Carcinoma: Prospective Outcomes

Mentors: Drs. David Goldstein and Ralph Gilbert

Dr. Luke Harris

Impact of Vasopressors on Free Tissue Transfer Outcomes in Head and Neck Reconstruction

Mentor: Dr. David Goldstein

Dr. Bradley Hubbard

A Novel, Low-Cost System for Posturography: A Platform for Longitudinal Balance Telemetry

Mentors: Drs. John Rutka and David Pothier

Dr. Thileeban Kandasamy (*)

Age-related Changes in the Expression of VEGF and it's Receptors in the Mouse Cochlea

Mentor: Dr. Vincent Lin

Dr. Eric Monteiro

The Utility of Cone-Beam Computed Tomography in Determining the Position of Ossicular Prostheses in a Cadaveric Model

Mentors: Dr. Prodip Das, Mr. Mike Daly, Drs. Harley Chan and Adrian James

Category 3 – Work undertaken by PGY 3 residents during clinical rotation

Dr. Dustin Dalgorf

Accuracy and Reproducibility of Automatic vs Manual Registration Using a Cone Beam CT Image Guidance System

Mentors: Dr. Jonathan Irish, Mr. Mike Daly and Dr. Harley Chan

Dr. Artur Gevorgyan

Osteoradionecrosis: The Sunnybrook Experience

Mentor: Dr. Kevin Higgins

Dr. Sharon Morong

Nasoseptal Reconstruction for Cerebrospinal Fluid Leaks. An Institutional Experience

Mentors: Drs. Al Vescan and Ian Witterick

Dr. Eitan Prisman

Utility of Real-Time Endoscopic Tracking, Preoperative Contouring and Virtual Endoscopy on Image Guided Endoscopic Surgery in a Cadaver Model

Mentors: Mr. Mike Daly, Drs. Harley Chan, Dustin Dalgorf, Jeff Siewerdsen, Allan Vescan and Jonathan Irish

Dr. Adrienne Wong (*)

Motor Speech Characteristics in Children: Establishing a Normative Database

Mentor: Dr. Paolo Campisi

Category 4 – Work undertaken by PGY 4 residents during clinical rotation

Dr. Ashlin Alexander

A Novel Outpatient Approach to Lower Lip Reanimation Using Palmaris Longus Tendon Sling

Mentors: Drs. John R. de Almeida, Mark G. Shrime, David P. Goldstein and Ralph W. Gilbert

Dr. Nitin Chauhan

Evolution in Rhinoplasty Tip Contouring Techniques: 10 year Analysis and Evaluation

Mentor: Dr. Peter Adamson

Dr. John de Almeida

Development of the Skull Base Inventory

Mentors: Drs. Al Vescan, Ian Witterick, Patrick Gullane, Jolie Ringash, Fred Gentili, Lynne Lohfeld and Achilles Thoma

Dr. Theresa Holler

Kurz Titanium Ossiculoplasty in Paediatric Ossicular Reconstruction

Mentor: Dr. Blake Papsin

Dr. Nadarajah Sanjeevan

Chemo Radiation Induced Hearing Loss in Head & Neck Cancer Patients

Mentors: Drs. David Goldstein and John Rutka

Dr. Raewyn Seaberg (*)

Chorda Tympani Nerve Function in Children: Relationship to Otitis Media & Body Mass Index

Mentor: Dr. Blake Papsin

Category 5 – Work undertaken by post-residency clinical fellows

Dr. Neil K. Chadha (*)

Automated Dynamic Cuff Pressure Modulation: A Novel Device Reduces Endotracheal Tube Injury

Mentor: Dr. Vito Forte

Dr. Prodip Das

Does Different Dosing Regimens Affect the Ototoxicity of Gentamicin?

Mentor: Dr. John Rutka

Dr. Jeannie Linton

Complications of Bio-Alcamid Injectable Filler

Mentor: Dr. David A.F. Ellis

Dr. David Pothier

The Importance of the Contralateral Ear in the Conservative Management of Vestibular Schwannoma

Mentor: Dr. John Rutka

Dr. Wei Qian

Sleep Apnea in Patients with Oral Cavity and Oropharyngeal Cancer after Surgery and Chemoradiation Therapy

Mentor: Dr. Kevin Higgins

Category 6 – Work undertaken by post-residency research fellows/graduate degree programme

Mr. Jeff Bruce

The Role of microRNAs in Human Nasopharyngeal Carcinoma

Mentor: Dr. Fei-Fei Liu

Ms. Emma Ito

Down-Regulation of a Heme Biosynthetic Mediator Enhances Radiosensitivity of Head and Neck Cancer Models

Mentor: Dr. Fei-Fei Liu

Mr. Daniel D.E. Wong (*)

Hemispheric Lateralization of Cortical Responses in Children Using Bilateral Cochlear Implants

Mentor: Dr. Karen Gordon

Best Overall presented paper:

Dr. Bradley Hubbard

A Novel, Low-Cost System for Posturography: A Platform for Longitudinal Balance Telemetry

Mentors: Drs. John Rutka and David Pothier

Awards presented

Chapnik, Freeman and Friedberg Clinician Scientist Award: Dr. Jennifer Guillemaud

The Judy Chauvin Otolaryngology Resident Award: Dr. Thilleeban Kandasamy

Kris Conrad Merit Award in Facial Plastic Surgery: Dr. Ali Sepher

Freda Noyek Otolaryngology Merit Award: Dr. Eitan Prisman

The Shiley E.O. Pelousa Award: Dr. Dustin Dalgorf

The Wharton Head & Neck Research Award: Ms. Emma Ito

Merck PGY5 Award presented to the graduating residents: Drs. Philip Lai, Jane Lea and Randy Leung

Olympus Canada Inc. PGY4 Award presented to the PGY4 residents: Drs. Ashlin Alexander, Nitin Chauhan, John de Almeida, Theresa Holler, Nadarajah Sanjeevan and Raewyn Seaberg

Excellence in Teaching Award: Dr. Blake Papsin

Distinguished Alumnus Award: Dr. Ian Witterick

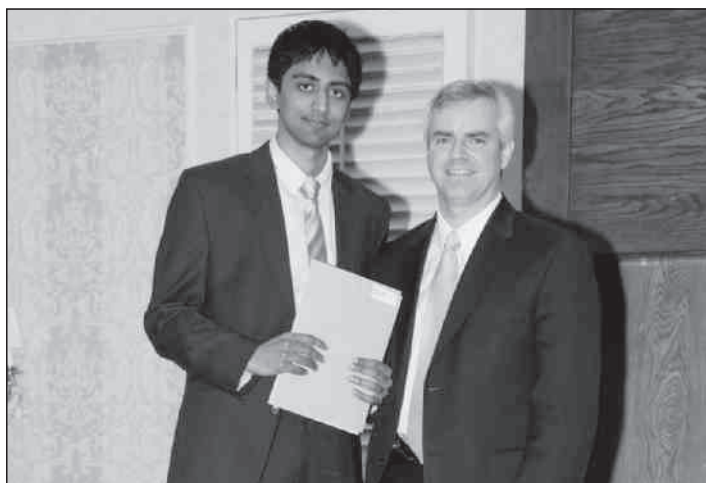
Percy Ireland Day Photo Gallery



DR. ERIC ARRUDA
Category 1 Winner



DR. RAEWYN SEABERG
Category 4 Winner



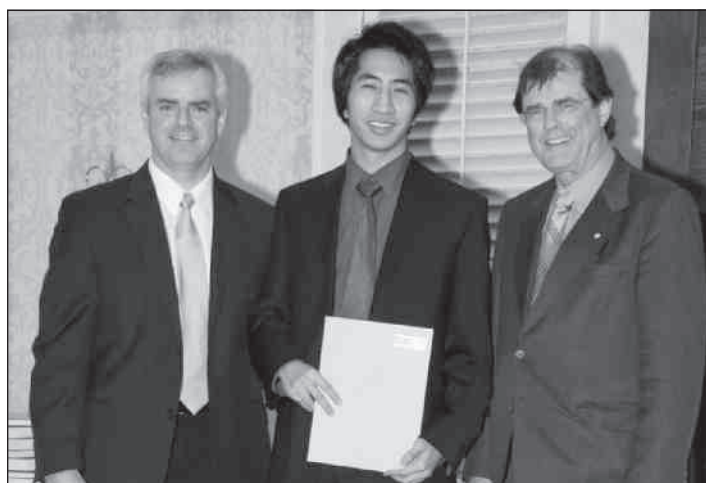
DR. THILEEBAN KANDASAMY
Category 2 Winner



DR. NEIL K. CHADHA
Category 5 Winner



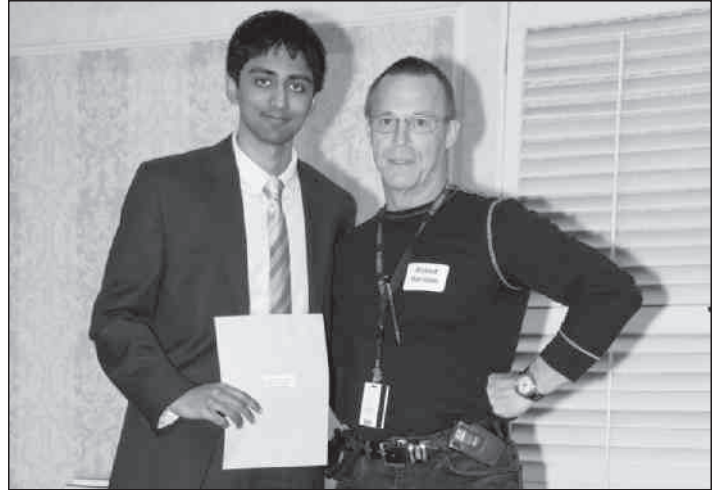
DR. ADRIENNE WONG
Category 3 Winner



DANIEL D.E. WONG
Category 6 Winner



DR. JENNIFER GUILLEMAUD
Chapnik, Freeman & Friedberg Clinician Scientist Award



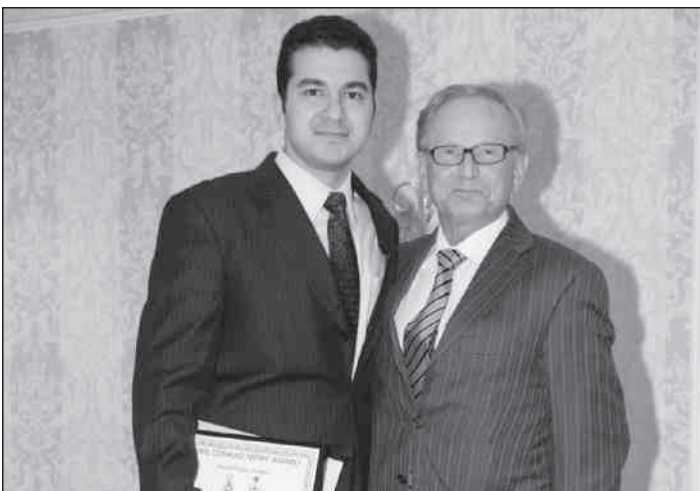
DR. THILEEBAN KANDASAMY
The Judy Chauvin Otolaryngology Resident Award



DR. BRADLEY HUBBARD
Best Overall presented paper



DR. EITAN PRISMAN
Freda Noyek Otolaryngology Merit Award



DR. ALI SEPEHR
Kris Conrad Merit Award in Facial Plastic Surgery



MS. EMA ITO
Wharton Head & Neck Research Award



DR. ROBERT L. FERRIS
Visiting Professor



DR. DUSTIN DALGORF
The Shiley E.O. Pelausa Award



DR. BLAKE PAPSIN
Excellence in Teaching Award



DRS. EITAN PRISMAN, DUSTIN DALGORF, SHARON MORONG,
ADRIENNE WONG, ARTUR GEVORGYAN



DRS. RANDY LEUNG, JANE LEA and PHILIP LAI
MERCK PGY5 Award to graduating residents



DRS. NITIN CHAUHAN, ASHLIN ALEXANDER, JOHN DE ALMEIDA, NADARAJAH SANJEEVAN, RAEWYN SEABERG and THERESA HOLLER
Olympus Canada Inc. PGY4 Award

Visiting Professorships and Invited Lectures

PA Adamson

Invited Faculty, European Academy of Facial Plastic Surgery Annual Meeting. Porto, Portugal. September 2009.

The Future of Facial Plastic Surgery [Keynote Joseph Lecture]
 Patient Selection in Rhinoplasty
 The Science of Beauty
 Lower Transconjunctival Blepharoplasty
 Surgical Rejuvenation of the Aging Upper Face
 Cosmetic Otoplasty
 Managing the Dissatisfied Patient
 Beauty and Psychology in Facial Plastic Surgery [Moderator]

Invited Faculty, AAO-HNS Annual Meeting. San Diego, California. September 2009.

Management of the Nasal Pyramid [1 hour course]

Invited Faculty, AAFPRS Annual Meeting. San Diego, California. October 2009.

Rhinoplasty – The No Spin Zone
 Plenary Session [Panel Moderator]

Invited Faculty, Canadian Academy of Facial Plastic and Reconstructive Surgery Annual Clinic Day. Toronto, Ontario. October 2009.

Moderator: Rhinoplasty Panel
 Personal Approach to Facelift

Visiting Professor, Department of Otolaryngology – Head and Neck Surgery, University of Pennsylvania. Philadelphia, Pennsylvania. December 2009.

Ten Tools to be a Successful Surgeon
 The Facelift Today

Invited Faculty, Rodeo Rhinoplasty, Course Directors: Russell Kridel, Anthony Brissett, Etai Funk. Baylor University. Houston, Texas. March 2010.

Science and Beauty in Rhinoplasty
 Tip Definition and Refinement: Dome Division and Tip Grafts
 Narrowing the Wide Nose
 Long Term Results in Rhinoplasty: What I Learned [Panel Member]
 Difficult Rhinoplasty Cases [Panel Member]
 Revision Rhinoplasty: Problems and Principles

Moderator, Allergan Academy Clinical Day, Surgical Skills Lab, Mount Sinai Hospital. Toronto, Ontario. April 2010.

Patient Demonstrations

Visiting Professor, Department of Otolaryngology – Head and Neck Surgery, University of Texas Southwestern. Dallas, Texas. April 2010.

The M-Arch Model of Nasal Tip dynamics
 The Face Lift Today
 Management of the Nasal Pyramid
 Participation in Journal Club

Invited Faculty, AAFPRS 10th International Symposium on Facial Plastic Surgery. Hollywood, Florida. April 2010.

Globalization of the Ideal Nose
 Ethical Issues in Rhinoplasty [Moderator and Panel Member]
 Face Transplantation in the 21st Century [Moderator Keynote Panel]
 Beauty and Personality
 Cosmetic Otoplasty
 Avoiding Complications in Otoplasty
 5 Pearls in Midface lifting

Honoured Guest and Keynote Speaker, 57th National Congress of the Portuguese Otolaryngology Society. Lisbon, Portugal. May 2010.

The Science of Beauty [Opening Ceremony Keynote Address]
 Revision Rhinoplasty
 Aesthetic Otoplasty
 5 Tools to be a Successful Surgeon

J Anderson

Invited Faculty, 8th Annual Otolaryngology Update, University of Toronto, Department of Otolaryngology – Head and Neck Surgery. Toronto, Ontario. February 6, 2010.
Management of Subglottic Stenosis

Invited Faculty, 64th Annual Meeting of the Canadian Society of Otolaryngology – Head & Neck Surgery, (CSO-HNS). Niagara Falls, Ontario. May 23-26, 2010.
Laryngeal Papillomatosis in Adults [Workshop Panel Member]
Spasmodic Dysphonia: Diagnosis and Management [Workshop Panel Member]

P Campisi

Course Co-Director, The Toronto Paediatric Endoscopy Course, University of Toronto, Department of Otolaryngology – Head and Neck Surgery. Toronto, Ontario. February 5, 2010.
Anatomy of the Paediatric Airway – Avoiding Pitfalls

Invited Faculty, 8th Annual Otolaryngology Update, University of Toronto, Department of Otolaryngology – Head and Neck Surgery. Toronto, Ontario. February 6, 2010.
The Use of Nasal Steroids for the Treatment of Adenoid Hypertrophy (with N Chadha*)

Invited Speaker, North York General Hospital Paediatric Update. Toronto, Ontario. March 27, 2010.
Tonsils and Tubes

Invited Faculty, The Toronto Obstructive Sleep Apnea Course. Toronto, Ontario. April 24, 2010.
The Paediatric Upper Airway in Sleep and its Management

Invited Faculty, American Society of Pediatric Otolaryngologists (ASPO) Annual Meeting, Las Vegas, Nevada. April 30 – May 3, 2010.
Botulinum Toxin use in Pediatric Otolaryngology [Panel Member].

Invited Faculty, Combined Otolaryngology Spring Meetings (COSM) Triological Society Annual Meeting. Las Vegas, Nevada. April 28 – May 2, 2010.
Botulinum Toxin use in Pediatric Otolaryngology [Panel Member]

N Chadha*

Invited Faculty, The Toronto Paediatric Endoscopy Course, University of Toronto, Department of Otolaryngology – Head and Neck Surgery. Toronto, Ontario. February 5, 2010.
Techniques of Esophageal Foreign Body Removal

Invited Faculty, 8th Annual Otolaryngology Update, University of Toronto, Department of Otolaryngology – Head and Neck Surgery. Toronto, Ontario. February 6, 2010.
The Use of Nasal Steroids for the Treatment of Adenoid Hypertrophy (with P Campisi)

Y Chan

Invited Speaker, Family Medicine Lunch Rounds. Brampton, Ontario. December 2009.
Antibiotics use in Community Acquired Respiratory Infections

Invited Speaker, Trillium Health Centre Otolaryngology Division Rounds. January 2010.
Minimally Invasive Skull Base Surgery

Invited Speaker, Family Medicine Dinner Rounds. Mississauga, Ontario. May 2010.
Rhinosinusitis

Invited Speaker, Trillium Health Centre Respiratory Therapy Rounds. May 2010.
Tracheostomy – From Insertion to Decannulation

A Chiodo

Course Co-Director, 8th Annual Otolaryngology Update, University of Toronto, Department of Otolaryngology – Head and Neck Surgery. Toronto, Ontario. February 6, 2010.

J Chen

Invited Faculty, 27th Politzer Society Meeting. London UK. September 4, 2009.

From Fragments to the Whole – A Comparison Between Cochlear Implant Users and Normal Hearing Listeners in Music Perception and Enjoyment

Reconstructing the Translabyrinthine Defect with the Pedicled Mastoid Cranioplasty

Developing a Surgical Simulation Model of the Temporal Bone with Rapid Prototyping and Photoprinting

Invited Speaker, Otology Update – Dr. McClure and west end group dinner. Toronto, Ontario. November 9, 2009.

Current Management Options of Acoustic Neuromas, Bell's Palsy and Superior Canal Dehiscence Syndrome

Invited Faculty, 8th Annual Otolaryngology Update, University of Toronto, Department of Otolaryngology – Head and Neck Surgery. Toronto, Ontario. February 6, 2010.

The Management of Bell's Palsy: A Meta Analysis (with J de Almeida*)

Invited Faculty, 64th Annual Meeting of the Canadian Society of Otolaryngology – Head & Neck Surgery, (CSO-HNS). Niagara Falls, Ontario. May 23-26, 2010.

Sunnybrook Otology Workshop: Cochlear Implantation in 2010 [Workshop Panel Member]

Course Co-Director, Temporal Bone and Otosurgical Course, University of Toronto-Sunnybrook HSC. Toronto, Ontario. June 10-11, 2010.

K Conrad

Invited Faculty. 44th Congress of the Polish Society of Otorhinolaryngologists – Head and Neck Surgeons, Division of Facial Plastic Surgery. Warsaw, Poland. June 11, 2010.

Revision Septorhinoplasty – Special Problems.

JR de Almeida*

Invited Speaker, 8th Annual Otolaryngology Update, University of Toronto, Department of Otolaryngology – Head and Neck Surgery. Toronto, Ontario. February 6, 2010.

The Management of Bell's Palsy: A Meta Analysis (with J Chen)

DAF Ellis

Invited Faculty, American Academy of Facial Plastic and Reconstructive Surgery, Fall Meeting. San Diego, California. October 1-3, 2009.

Intense Learning Sessions

Fillers for Facial Rejuvenation – Permanent Fillers

Invited Faculty, Canadian Academy of Facial Plastic & Reconstructive Surgery Annual Meeting. Toronto, Ontario. October 24, 2009.

Tip Narrowing Techniques

Skin Tightening Techniques

Invited Faculty, 20 Congreso Nacional de la Sociedad Mexicana de Rinología y Cirugía Facial. Acapulco, Guerrero México. November 18-21, 2009.

Corrección de la Nariz Torcida [Correction of the Crooked Nose]

Conceptos 2009 en Cirugía Endoscópica de las Cejas [2009 Concepts in the Surgical Treatment of Forehead Lifting]

Rellenos Permanentes de Gran Volumen [Permanent Large Volume Fillers]

Opciones Actuales en el Restiramiento Facial [Skin Tightening: Current Thoughts]

Invited Faculty, Australasian Academy of Facial Plastic Surgery/Australia Society of Otolaryngology Head and Neck Surgery. Sydney, Australia. March 27 – March 31, 2010.

Narrowing the Nasal Tip

Cosmetic Revision Rhinoplasty

History of Canadian Influence on Rhinoplasty

Photograph for Facial Plastic Surgery

The Crooked Nose

Skin Tightening/Non-ablative – Skin tightening: review of techniques (Smartlifting: subcutaneous skin tightening: its uses in anti ageing;

Fraxel Laser: Rx skin tightening and sun damage; Titan: non ablative skin tightening: indications and effectiveness)

The Red Face: diagnosis and laser choices for the best outcome.

Hyperpigmentation: Outline methodology for success.

Invited Faculty, 10th International Symposium of Facial Plastic Surgery. Hollywood, Florida. April 28 – May 2, 2010.
Update on Approved and Non-Approved Fillers
Transbleph Forehead Lift
Fractionated CO2 Laser Skin Rejuvenation Part 1 and Part 2
Large Volume Fillers for Facial Rejuvenation

DJ Enepekides

Invited Faculty, AO ASIF Principles of Operative Treatment of Craniomaxillofacial Trauma and Reconstruction. Boston, Mass., January 2010.
Diagnosis and Management of Symphyseal and Parasymphysal Mandibular Fractures

Invited Speaker, Department of Family Medicine, Sunnybrook Health Sciences Center. Toronto, Ontario. February 10, 2010.
The Evaluation of the Isolated Neck Mass

Invited Speaker, 5th Annual International Dysphagia Symposium. Las Vegas, Nevada. February 2010.
Organ Preservation for Head and Neck Cancer: Are we Succeeding?
Narrow Band Imaging of the Larynx.
The Role of HPV in Head and Neck Cancer: Is Laryngeal Cancer a Sexually Transmitted Disease?

RS Fenton

Invited Faculty, 8th Annual Otolaryngology Update, University of Toronto, Department of Otolaryngology – Head and Neck Surgery. Toronto, Ontario. February 6, 2010.
Endoscopic Zenker's Diverticulectomy

V Forte

Course Co-Director, The Toronto Paediatric Endoscopy Course, University of Toronto, Department of Otolaryngology – Head and Neck Surgery. Toronto, Ontario. February 5, 2010.
Techniques of Airway Foreign Body Removal

Invited Faculty, Department of Critical Care Medicine Lecture Series. Toronto, Ontario. September 29, 2009.
Tracheo-Broncho Malacia – Airway Stents

Invited Speaker, Second Annual New York City Pediatric Airway Symposium. New York City, October 22, 2009.
Pediatric Airway: Reflections on the Past and Glimpses into the Future
Lymphangioma Management
Case presentations and Controversial topics [Panel Member]

Invited Faculty, Salivary Congress. Montreal, Quebec. October 29, 2009.
Difficult Case Presentations [Panel Member]

J Freeman

World Congress on Thyroid Cancer. Toronto, Ontario. August 8-9, 2009.
Neck Metastasis Detection and Treatment [Moderator]
How I do it "Surgical Experts" [Co-ordinator]
Thyroid Cancer: When Not to Treat – [Panel Member],
Techniques of Thyroidectomy [Video Presentation]
Technique of Functional Neck Dissection [Video Presentation]
Re-operation on the Central Compartment [Video Presentation]

Invited Speaker, American College of Surgeons 95th Annual Clinical Congress. Chicago, IL. October 12, 2009.
New Technologies in Thyroid and Parathyroid Surgery

Visiting Professor, Department of Surgery, University of Buenos Aires. Buenos Aires, Argentina. February 18, 2010.
Shifting Paradigms in the Management of Thyroid Cancer

Guest of Honour, III Thyroid Cancer International Meeting, Caesar Business Sao Paulo, Faria Lima. Sao Paulo, Brazil. February 23, 2010.
Shifting Paradigms on Surgical Treatment of WCTC – Thyroid and Neck
New Trends in Thyroid Surgery – Emerging Techniques
Surgery for MTC

Keynote Speaker, UPMC 2nd Annual Advanced Topics in Thyroid/Parathyroid Surgery. Pittsburgh, Pennsylvania. March 19, 2010.

Shifting Paradigms in the Management of Thyroid Cancer

Case-Based Panel Discussion and Interesting Cases:

Operative Management [Panel Member]

Parathyroid [Panel Member]

Outrageous Cases – Post-Operative Management/Surveillance [Moderator]

Invited Faculty, Controversies in the Management of Thyroid and Parathyroid Disease. Westchester, New York. March 25, 2010.

Challenging Cases and Controversies in Thyroid and Parathyroid Surgery [Moderator]

What is the Appropriate Evaluation of the Lateral Compartments of the Head and Neck Prior to Surgery for a Documented PTMC? For a Nodule with Suspicion Cytology?

How do we Manage Patients with Recurrent Nodal Disease in the Neck? [Moderator]

Invited Speaker, Thyroid Supper Club Meeting. Toronto, Ontario. April 13, 2010.

Current Management of Hyperparathyroidism

Invited Speaker, The Practical Management of Thyroid Nodules Mini Seminar. Trillium Medical Centre. Mississauga, Ontario. May 20, 2010.

Pre-op Planning and Post-op Follow-up of Thyroid Cancer

Shifting Paradigms in the Management of Thyroid Cancer

Management of Unusual Thyroid Cancer Cases [Panel Member]

L Friesen

Invited Faculty, 64th Annual Meeting of the Canadian Society of Otolaryngology – Head & Neck Surgery, (CSO-HNS). Niagara Falls, Ontario. May 23-26, 2010.

Sunnybrook Otology Workshop: Cochlear Implantation in 2010 [Workshop Panel Member]

A Gantous

Invited Speaker and Faculty, SICPRE 58^o Congresso Nazionale. San Remo, Italia. September 28-30, 2009.

The Use of Bio-Alcamid in Facial Lipodystrophy

Invited Speaker and Faculty, Canadian Academy of Facial Plastic and Reconstructive Surgery Annual Meeting. Toronto, Ontario. October 2009.

Spare Parts in Rhinoplasty – Grafts I Commonly Use

Invited Faculty, 8th Annual Otolaryngology Update, University of Toronto, Department of Otolaryngology – Head and Neck Surgery. Toronto, Ontario. February 6, 2010.

Challenging Cases in Facial Plastic Surgery: Case Presentation, Management Discussion and Review of Literature (with R Rival, P Solomon and O Smith)

Invited Speaker and Faculty, AAFPRS 10th International Symposium of Facial Plastic Surgery. Hollywood, Florida. April 2010.

The Different Uses of The Versatile Rib Graft in Rhinoplasty

R Gilbert

Co-Chair, Scientific Committee, 2nd World Congress of the International Academy of Oral Oncology (IAOO), Toronto, Ontario, July 8-10, 2009.

Maxillary Reconstruction – How do I do It [Instructional Course]

Treatment of Advanced Oral Cancer – Surgery vs Organ Preservation Strategies [Debate Moderator]

Symposium: British Association of Head and Neck Oncologists [Panel Member]

Invited Faculty, World Congress on Thyroid Cancer. Toronto, Ontario. August 8-9, 2009.

Meet the Professor Session: FNA Dilemmas

Invited Speaker, American Association of Oral & Maxillofacial Surgeons 91st Annual Meeting. Toronto, Ontario. October 2009.

Reconstruction of Maxillary Defects

Visiting Professor, 2nd Annual European Head and Neck Course. Amsterdam, The Netherlands. October 2009.

General Concepts of Multidisciplinary Treatment

Reconstructive Surgery

Partial and Total Laryngectomy

Management of Oral and Oropharyngeal Cancer [Panel Member]

Management of Salivary Gland Tumours [Panel Member]

Invited Faculty, 17th Annual Current Concepts in Head and Neck Surgery, Memorial Sloan-Kettering Cancer Center. New York, NY. November 2009.

- Management of Advanced Cancer of the Larynx
- Innovative Head and Neck Reconstruction
- Stump the Faculty [Panel Member]

Visiting Professor, International Head and Neck Surgery Symposium. Santiago, Chile. November 2009.

- Mandible and Maxilla Reconstruction after Oral Cancer Surgery Resection
- Mandible Resection and Reconstruction
- Surgical Technique and Pitfalls
- Reconstruction in Skull Base Surgery
- Reconstruction of Larynx and Pharynx after Radical Resection
- Reconstruction after Primary Organ Preservation Treatment Failure
- Surgical Reconstruction after Advanced Skin Cancer of the Head
- Critical Analysis of Surgical Reconstruction after Oral Cancer Big Resection [Panel Member]
- Controversy in Skull Base Cancer Treatment, Controversy in Larynx Cancer Treatment [Panel Member]
- Clinical Cases and Solutions [Panel Member]

D Goldstein

Invited Faculty, Microvascular Reconstruction of the Head and Neck Course. Department of Otolaryngology – Head & Neck Surgery, University of Toronto. Toronto, Ontario. July 6, 2009.

- Reconstruction of the Total Glossectomy Defect

Invited Faculty, Canadian General Surgery Review 2010. Toronto, Ontario. April 2010.

- Head and Neck Masses

EA Gooden

Invited Speaker, Baycrest Hospital Speech Language Pathology Conference. Toronto, Ontario. May 2010.

- Tracheostomy, An ENT Perspective

KA Gordon

Instructor, Level II Course, WE Listen International, Inc. Toronto, Ontario. August 19, 2009.

- Binaural Hearing and Bilateral Cochlear Implants

Invited Speaker, 12th Annual Conference of the Canadian Academy of Audiology. Toronto, Ontario. October 30, 2009.

- Electrical Hearing in Children: How Cochlear Implants Work To Promote Auditory Development

Invited Speaker, Children's Hospital of Eastern Ontario. Ottawa, Ontario. March 15, 2010.

- Auditory Development Promoted by Unilateral and Bilateral Cochlear Implants

Invited Speaker, Cincinnati Children's Hospital Medical Center. Cincinnati, Ohio. April 11, 2010.

- Effects of Deafness and Bilateral Cochlear Implant Use in Children

Invited Speaker, British Cochlear Implant Conference. Southampton, United Kingdom. April 22-24, 2010.

- What is the Optimal Timing for Bilateral Cochlear Implantation in Children?

Guest Speaker, XII Argentinean Congress of Otolaryngology and Children Phonoaudiology. Buenos Aires, Argentina. May 23-25, 2010.

- Auditory Development and Plasticity in Children who are Deaf
- Bilateral Cochlear Implantation in Children
- The Use of Electrophysiological Measures to Help Provide Optimal Cochlear Implant Stimulation Parameters in Children

G Goulding

Invited Speaker, Atlantic Provinces Special Education Authority (APSEA) Annual Conference. Tatamagouche, Nova Scotia. June 2010.

- New Technologies in Cochlear Implant Systems

P Gullane

Invited Faculty, Microvascular Head and Neck Reconstruction Course. Department of Otolaryngology – Head & Neck Surgery, University of Toronto. Toronto, Ontario. July 6-7, 2009.

Welcome and Introduction
Pharyngeal Reconstruction

Co-Program Chair, Second World Congress of the International Academy of Oral Oncology (IAOO). Toronto Ontario, July 8-11, 2009.

Treatment Modalities and Survivorship [Panel Moderator]
Lip Reconstruction [Instructional Course Leader]
Stump the Faculty [Panel Member]

Invited Speaker, Annual Cartesian Society Meeting. Scotland, July 13-17, 2009.

World Tour 2008: a Global Educational Program in Head and Neck Oncology: Lessons Learned and Future Opportunities

Invited Faculty, World Congress on Thyroid Cancer. Toronto, Ontario. August 6-10, 2009.

Management of the Airway in Locally Invasive Thyroid Cancer: When to Scrape, When to Resect

Visiting Professor, 34th Sir Peter Freyer Memorial Lecture, Galway Medical School. Ireland. September 4-5, 2009.

Thirty Years of Head and Neck: Lessons Learned – Imagine the Future!

Invited Faculty, 20th Annual Meeting North American Skull Base Society (NASBS). New Orleans, Louisiana. October 16-18, 2009.

Interactive Skull Base Malignancies Tumour Board [Panel Member]

Visiting Professor, McMaster University Dept of Surgery, Otolaryngology – Head and Neck Surgery Update and Residents' Research Conference. Stoney Creek, Ontario. October 21, 2009.

Adult Laryngotracheal Stenosis
Head and Neck Surgery Current Status: Imagine the Future

Honoured Guest Faculty & Keynote Speaker, International Congress on Salivary Gland Disorders. McGill University. Montreal, Quebec. October 29, 2009.

Management of Major Salivary Gland Tumours in 2009
Malignant Minor Salivary Gland Tumours: Overview [Panel Moderator]

Invited Faculty, 17th Annual Current Concepts in Head and Neck Surgery – Combined Meeting Memorial Sloan-Kettering, MD Anderson and University of Toronto. New York, New York. Nov 14-15, 2009.

Management of Cancer of the Oropharynx
Surgical Management of Hypopharyngeal Cancer
Stump the Faculty [Panel Member]

Honorary Fellowship, Royal College of Surgeons of England (FRCS), Edward Lumley Hall, Royal College of Surgeons. London, England. January 19, 2010.

Presentation to Diplomates & Young Surgeons: My Journey through Forty Years of Surgery: Lessons Learned

Invited Faculty, 8th Annual Otolaryngology Update, University of Toronto, Department of Otolaryngology – Head and Neck Surgery. Toronto, Ontario. February 6, 2010.

Welcome and Introduction
Management of Major Salivary Gland Tumours in 2010

12th Annual Wharton/Elia Day, Princess Margaret Hospital, Toronto Ontario, May 21, 2010.

Welcome & Opening Remarks
Innovation in Surgical Treatment of Head & Neck Cancer [Panel Chair]

Invited Guest & International Speaker, 44th Congress of Polish Society of Head and Neck Surgeons. Warsaw, Poland. June 9-13, 2010.

Surgical Treatment of Oral and Oropharyngeal Cancer Recurrences

J Halik

Invited Faculty, Temporal Bone Dissection Course, University of Toronto, Department of Otolaryngology – Head and Neck Surgery. Toronto, Ontario. October 14-16, 2009.

Ossiculoplasty Techniques
Stapedectomy Techniques
Osseointegration for BAHA (with B Papsin)

RV Harrison

Invited Guest and Keynote Lecturer, CIGICON '09 (Cochlear Implant Groups of India) Annual Conference. Hyderabad, India. November 4-8, 2009.

Objective and Subjective Methods for Assessing Functional Outcomes in CI [Keynote Lecture]
Neural Plasticity in Otology.

KM Higgins

Invited Faculty, Head and Neck Reconstruction Update. Shanghai, China. October 29 – November 8, 2009.

Invited Speaker, AO Principle Faculty, AO North America Craniomaxillofacial Operating Room Personnel Course. Toronto, Ontario, March 6, 2010.

Maxillofacial/Mandibular Anatomy

J Irish

Faculty/Instructor, World Congress on Thyroid Cancer. Toronto, Ontario. August 2009.

Medullary Carcinoma of the Thyroid

Invited Lecturer/Faculty, V Congresso Gruppo Italiano Di Studio Sulla Disfagia, Rimini, Italy. September 19, 2009.

Cancer Surgery: A Look Into the Future.

Invited Speaker/Panelist, Current Concepts in Head and Neck Surgery, Memorial Sloan Kettering Hospital. New York, New York. November, 2009.

Neck Dissection

"Stump the Faculty" [Panel Member]

Thyroid Cancer [Panel Member]

Invited Speaker/Panelist, Cancer Quality Council of Ontario Signature Event – Why are We Using 19th Century Medical Models for 21st Century Patients? Toronto, Ontario. December 2009.

Moving the Agenda Forward [Panel Member]

Invited Speaker, Toronto Central LHIN Quality Improvement Event-Prostate Cancer. Toronto, Ontario. February 3, 2010.

Raising the Bar in Prostate Cancer Care

Invited Speaker, Quality Assessment and Improvement in Primary Care and Chronic Disease Management. Toronto, Ontario. February 3, 2010.

CCO Indicator Development Process: The Surgical Oncology Experience.

Invited Faculty, 8th Annual Otolaryngology Update, University of Toronto, Department of Otolaryngology – Head and Neck Surgery. Toronto, Ontario. February 6, 2010.

Quality and Quantity: Pay for Performance and the Ministry of Health – The Challenges

Keynote Speaker, South West LHIN Surgical Oncology Review. London, Ontario. April 17, 2010.

Implementation of Quality Improvement Programs in Surgical Oncology: Leveraging Funding to Produce Change

Invited Speaker, Ontario Renal Network: Vascular Access Group. Toronto, Ontario. June 7, 2010.

Multidisciplinary Care: The CCO Surgical Oncology Program

Invited Speaker, Cancer Imaging Program Planning Day. Toronto, Ontario. June 9, 2010.

Moving a Program Forward: Some Lessons from the CCO Surgical Oncology Program.

A James

Course Co-Director, Temporal Bone Dissection Course, University of Toronto, Department of Otolaryngology – Head and Neck Surgery. Toronto, Ontario. October 14-16, 2009.

Paediatric Tympanomastoidectomy

Cochlear Implantation (with B Papsin)

Surgical Interpretation of Temporal Bone Radiology in Cholesteatoma Surgery

Laser and Endoscopy in Cholesteatoma Surgery

Invited Faculty, Temporal Bone and Otosurgical Course, University of Toronto-Sunnybrook HSC. Toronto, Ontario. June 10-11, 2010.
 Paediatric Issues in Middle Ear Surgery
 Endoscopy and Laser in Cholesteatoma Surgery
 Canal Wall Up Tympanomastoidectomy

Invited Faculty, American Society of Pediatric Otolaryngologists. Las Vegas, Nevada. May 2010.
 Management of the Atelectatic Tympanic Membrane [Panel Member]

Invited Faculty, 64th Annual Meeting of the Canadian Society of Otolaryngology – Head & Neck Surgery, (CSO-HNS). Niagara Falls, Ontario. May 23-26, 2010.
 Challenges in Paediatric Otology [Panel Member]

J Lee

Invited Faculty, 8th Annual Otolaryngology Update, University of Toronto, Department of Otolaryngology – Head and Neck Surgery. Toronto, Ontario. February 6, 2010.
 The Role of Maximal Endoscopic Sinus Surgery Techniques in Chronic Sinus Surgery

Invited Faculty, 64th Annual Meeting of the Canadian Society of Otolaryngology – Head & Neck Surgery, (CSO-HNS). Niagara Falls, Ontario. May 23-26, 2010.
 Surgical Management of Nasal Polyps: What's New in 2010? [Workshop Panel Member]

Invited Faculty, The PENN International Rhinology and Comprehensive Skull Base Course. Philadelphia, PA, USA. March 11-14, 2010.

V Lin

Invited Speaker, Department of Otolaryngology – Head and Neck Surgery, University of Toronto Community Academic Faculty Meeting. Toronto, Ontario. May 2009.
 Uncommon Otologic Conditions that will be Encountered in the Community

Invited Speaker, Canadian Audiology Association Annual Meeting (CAA). Toronto, Ontario. October 2009.
 Hair Cell Regeneration: Past, Present and Future

Invited Speaker, Toronto Cochlear Implant Club quarterly meeting. Toronto, Ontario. October 2009.
 Hair Cell Regeneration: Looking Ahead

Invited Speaker, Kitchener/Waterloo/Guelph Community Otolaryngology Group. Waterloo, Ontario. February 2010.
 Auditory Prosthesis: BAHA, Vibrant Soundbridge and Cochlear Implants

Invited Speaker, Board of the Hearing Foundation of Canada. Toronto, Ontario. April 2010.
 Hearing Regeneration and Update on Sunnybrook Inner Ear Initiative

Invited Faculty, 64th Annual Meeting of the Canadian Society of Otolaryngology – Head & Neck Surgery, (CSO-HNS). Niagara Falls, Ontario. May 23-26, 2010.
 Sunnybrook Otology Workshop: Cochlear Implantation in 2010 [Workshop Panel Member]

Course Co-Director, Temporal Bone and Otosurgical Course, University of Toronto-Sunnybrook HSC. Toronto, Ontario. June 10-11, 2010.

R Martino

Invited Speaker, Central East Stroke Network Symposium. King City, Ontario. April 2010.
 Psychological Issues Related to Dysphagia

D Mathews

Invited Speaker, Tinnitus Retraining therapy and Hyperacusis Rounds. Ottawa, Ontario. November 4, 2009.

J Nedzelski

Invited Faculty, 64th Annual Meeting of the Canadian Society of Otolaryngology – Head & Neck Surgery, (CSO-HNS). Niagara Falls, Ontario. May 23-26, 2010.
 Sunnybrook Otology Workshop: Cochlear Implantation in 2010 [Workshop Panel Member]

Invited Faculty, Temporal Bone and Otosurgical Course, University of Toronto-Sunnybrook HSC. Toronto, Ontario. June 10-11, 2010.

V Papaioannou

Invited Speaker, York Region District School Board Hearing Resource Department. Newmarket, Ontario. April 28, 2010
Auditory Neuropathy Spectrum Disorder: Our Current Understanding

B Papsin

Invited Speaker, The Politzer Society 27th Meeting. London, UK. September 4, 2009.
Translational Research in Pediatric Cochlear Implantation: Otology Research in Focus

Invited Speaker, Meeting of the Danish Otologists attending the Politzer Society Meeting. London, UK. September 5, 2009.
Surgical Technique for Implanting the Cochlear 500 Series Implant

Visiting Professor, Cochlear Implant Program, Huddinge Hospital The Karolinska University. Stockholm, Sweden. October 7, 2009.
Cochlear Implantation at The Hospital for Sick Children: Foundations of Development and Continued Growth

Invited Faculty, Cochlear Nordic Launch Meeting (Surgeons and Implant Teams from Denmark, Norway, Finland and Sweden). Stockholm, Sweden. October 8- 9, 2009.
Toronto's Experience with the CI500 Implant Series
Establishing research and the foundation of a clinical program
Binaural Hearing: Reawakening the Auditory System

Invited Faculty, Temporal Bone Dissection Course, University of Toronto, Department of Otolaryngology – Head and Neck Surgery. Toronto, Ontario. October 14-16, 2009.
Osseointegration for BAHA (with J Halik)
Cochlear Implantation (with A James)

Invited Speaker, Canadian Audiology and Infant Hearing Program Meeting. Toronto, Ontario. October 26, 2009.
Reawakening the Auditory System: Restoration of the Sense of Audition in Children

Invited Faculty, Pre-Conference Workshop, CIGICON '09 (Cochlear Implant Group of India 7th Annual Meeting). Hyderabad, India. November 5, 2009.
Candidacy in Cochlear Implantation
Complications in Cochlear Implantation
Cochlear Implant surgery [Surgical Demonstrator]

Invited Faculty, Cochlear Symposium – CIGICON '09 (Cochlear Implant Group of India 7th Annual Meeting). Hyderabad, India. Nov 6, 2009.
Toronto's Experience with the 500 Series Cochlear Implant

Invited Faculty, CIGICON '09 (Cochlear Implant Group of India 7th Annual Meeting). Hyderabad, India. November 6- 8, 2009.
Surgical Safety in Cochlear Implantation
Implantation in Cochlear Anomalies
Fully Awakening the Auditory System: Bilateral Cochlear Implantation
Bilateral Implantation in the Indian Subcontinent [Panel Moderator]
Back to Basics – Developing Cochlear Implantation in India [Panel Member]
Surgical Issues in Cochlear Implantation [Panel Member]

Guest Speaker, VIth InterAmerican Association of Pediatric Otorhinolaryngology (IAPO) International Symposium. Sao Paulo, Brazil. November 13-15, 2009.
Pediatric Ossiculoplasty: The Top Ten List
Bilateral Cochlear Implantation in Children: The Evidence
Bilateral Cochlear Implantation in Children: The Reality [Panel Moderator]

Satellite Meeting of the VIth IAPO International Symposium, Sao Paulo, Brazil, Nov 14, 2009.
Seminar on Pediatric Cochlear Implantation and Baha [Symposium for Brazilian Implant Surgical teams]

Invited Address, Society for Ear, Nose and Throat Advances in Children (SENTAC) 37th Annual Meeting. Salt Lake City, Utah. December 4-6, 2009.
Transformation Leadership [Robert Ruben Award for Scientific Advancement Address]

Department of Otolaryngology, Black Lion Hospital, Addis Ababa, Ethiopia. January 17-22, 2010. *Led an otolaryngology team on a mission to the Black Lion Hospital/Addis Ababa University, Ethiopia as member of the "no boundaries" mission sponsored by the Hospital for Sick Children.*

Pediatric Otolaryngology Emergencies: Asking the Right Questions
Otologic Surgery [Surgical training]

Invited Speaker, GAES Satellite Symposium, European Society of Pediatric Otolaryngology (ESPO). Pamplona, Spain. June 5, 2010.

Early Stimulation with Cochlear Implantation
Hearing Screening, Diagnosis and Early Treatment of Hearing Loss in Children. [Satellite symposium]

Invited Faculty, European Society of Pediatric Otolaryngology (ESPO). Pamplona, Spain. June 6, 2010.

Pediatric Cochlear Implantation [Instructional course]

R Ralhan

Invited Speaker, Human Proteome Organization (HUPO) 2009 World Congress. Toronto, Ontario. September 26-30, 2009.

Proteomics Based Diagnostic and Prognostic Biomarkers for Head and Neck Cancer
Biomarkers [Session Chair]

Invited Speaker, Department of Biomedicine, University of Bergen, Norway. November 4, 2009.

Head and Neck Cancer: Biomarkers and Novel Networks Linking Inflammation, Premalignancy and Cancer

R Rival

Course Co-Director, 8th Annual Otolaryngology Update, University of Toronto, Department of Otolaryngology – Head and Neck Surgery. Toronto, Ontario. February 6, 2010.

Challenging Cases in Facial Plastic Surgery: Case Presentation, Management Discussion and Review of Literature (with A Gantous, P Solomon and O Smith)

JA Rutka

Invited Faculty, Temporal Bone Dissection Course, University of Toronto, Department of Otolaryngology – Head and Neck Surgery. Toronto, Ontario. October 14-16, 2009.

Endolymphatic Sacc Decompression
Facial Nerve Decompression
Translabyrinthine/Transcochlear Approach

Invited Faculty, Midlands Institute of Otolaryngology Temporal Bone Dissection Course. Oswestry, UK. January 14, 2010.

Invited Speaker, Chropshire Education & Conference Centre at the Royal Shrewsbury Hospital. Shrewsbury, UK. February 15, 2010

Adams Lecture: Otologic Curiosities

Invited Speaker, Department of Otolaryngology Chulalongkorn University. Bangkok, Thailand. March 13, 2010.

Otological Curiosities

D Shipp

Invited Faculty, 64th Annual Meeting of the Canadian Society of Otolaryngology – Head & Neck Surgery, (CSO-HNS). Niagara Falls, Ontario. May 23-26, 2010.

Sunnybrook Otology Workshop: Cochlear Implantation in 2010 [Workshop Panel Member]

Invited Speaker, Canadian Hard of Hearing Association, National Conference. Sudbury, Ontario. June 2010.

Recent Advances in Adult Cochlear Implantation

O Smith

Invited Faculty, 8th Annual Otolaryngology Update, University of Toronto, Department of Otolaryngology – Head and Neck Surgery. Toronto, Ontario. February 6, 2010.

Challenging Cases in Facial Plastic Surgery: Case Presentation, Management Discussion and Review of Literature (with A Gantous, R Rival, and P Solomon)

P Solomon

Invited Faculty, 8th Annual Otolaryngology Update, University of Toronto, Department of Otolaryngology – Head and Neck Surgery. Toronto, Ontario. February 6, 2010.

Challenging Cases in Facial Plastic Surgery: Case Presentation, Management Discussion and Review of Literature (with A Gantous, R Rival and O Smith)

AD Vescan

Invited Speaker, The Bloor Family Medicine Group. Toronto, Ontario. October 2009.

Management of Rhinosinusitis

Invited Speaker, Department of Otolaryngology – Head & Neck Surgery Trillium Hospital. Mississauga, Ontario. April 2010.

Epistaxis: Endoscopic Management

Invited Faculty, 4th World Congress for Endoscopic Surgery of the Brain, Skull Base and Spine. Pittsburgh, Pennsylvania. April 2010.

Nasal Morbidity & QOL Skull Base Surgery

Invited Speaker, CSTAR: Endoscopic Sinus Surgery Update, Department of Otolaryngology – Head and Neck Surgery, University of Western Ontario. London, Ontario. May 2010.

Endoscopic Management of Epistaxis

Invited Faculty, 64th Annual Meeting of the Canadian Society of Otolaryngology – Head & Neck Surgery, (CSO-HNS). Niagara Falls, Ontario. May 23-26, 2010.

Management of Nasal Polyposis [Workshop Panel Member]

P Wade

Invited Faculty, 8th Annual Otolaryngology Update, University of Toronto, Department of Otolaryngology – Head and Neck Surgery. Toronto, Ontario. February 6, 2010.

Oral Appliance Therapy for Snoring and Sleep Apnea – Is There a Role for the Otolaryngologist – Head and Neck Surgeon?

I Witterick

Co-Director, Microvascular Head & Neck Reconstruction Course. University of Toronto. Toronto, Ontario. July 6-7, 2009.

Local Arrangements Chair, 2nd World Congress, International Association of Oral Oncology (IAOO). Toronto, Ontario. July 8-11, 2009.

Stump the Council [Panel Member]

Minimally Invasive Surgery in Head and Neck Cancer [Panel Moderator]

World Congress on Thyroid Cancer. Toronto, Ontario. August 10, 2009.

Thyroid Cancer 2009 Summary Panel – Current Recommendations and Future Directions [Panel Member]

Invited participant, International Conference on Residency Education, Royal College of Physicians and Surgeons of Canada. Victoria, BC, September 25, 2009.

Case logs: A Practical Comprehensive Method of Capturing What Surgical Residents Do

The CEHPEA Rating Scale can Distinguish Year of Training in Canadian Medical Graduates: A Validation Study [with J McIlroy,

M Nayer, M Levine, R Walker, W Chapman, A Zaretsky, A Rothman]

Keynote lecturer, Biomaterials and Implant/Reconstructive Dentistry Continuing Education Course. Faculty of Dentistry, University of Toronto, February 1, 2010.

The Maxillary Sinus: A Medical Perspective on Risks, Complications and Their Management

Course Co-Director, The Toronto Paediatric Endoscopy Course, University of Toronto, Department of Otolaryngology – Head and Neck Surgery. Toronto, Ontario. February 5, 2010.

Course Co-Director, 8th Annual Otolaryngology Update, University of Toronto, Department of Otolaryngology – Head and Neck Surgery. Toronto, Ontario. February 6, 2010.

Invited Faculty, 41st W. Lougheed Course, Division of Neurosurgery, University of Toronto. March 25, 2010.

Endoscopic Approach to the Sella

Invited Speaker, CSTAR's Endoscopic Sinus Surgery Update 2010. London, Ontario. May 13, 2010.

Fundamentals: Maxillary, Ethmoid & Sphenoid Sinus Procedures

Invited Faculty, "Innovation in Surgical Treatment of Head and Neck Cancer", Annual Wharton/Elia Day, Princess Margaret Hospital. Toronto, Ontario. May 21, 2010.

Endoscopic Skull Base Surgery [presentation and panel discussion]

Invited Faculty, 64th Annual Meeting of the Canadian Society of Otolaryngology – Head & Neck Surgery, (CSO-HNS). Niagara Falls, Ontario. May 23-26, 2010.

Sinusitis Unplugged: Exploring the New Treatment Guidelines [Satellite Symposium with M Desrosier A Kaplan, DE Low, S Wasserman]

Current Management of Epistaxis [Workshop Panel Member]

Peer Review for the Practicing Otolaryngologist and How to Become an Expert Reviewer at the Journal [Workshop Panel Member]

Rhinology [Paper Moderator]

Rhinology Forum [Workshop Panel Member]

The Royal College Exam – Facts and Fiction [Workshop Panel Member]

E Wong

Invited Faculty, Audiology and Hearing Screening 2010. Hamad Medical Corporation. Doha, Qatar. April 7-28, 2010.

Introduction to Hearing Evaluation:

Pure-tone audiometry

Speech audiometry

Immittance audiometry

Auditory brainstem evoked responses

Central auditory testing – SCAN

Newborn Hearing Screening – OAE and AABR screening

Research Grants and Projects

SM Abel, S Boyne, C Burrell, J Crebolder, G Ho, A Nakashima

Defence Research and Development Canada, Land Partner Group, Command and Control Thrust, Internal Operating Grant. “*Auditory Overload Strategies in CF Land Operations.*” [\$328,000, April 2008 to March 2011]

SM Abel, C Burrell and S Stergiopoulos

Defence Research and Development Canada Personnel Partner Group, Human Integration Thrust: Environmental Health Mitigations, Internal Operating Grant. “*Noise Protection with Enhanced Communication Capabilities.*” [\$110,000 – April 2008 to March 2011]

G Bradley

The Head and Neck Cancer Foundation. “*Molecular and Genetic Analyses of Oral Epithelial Dysplasia in Relation to Clinical Outcome.*” [\$23,545, October 2006 to September 2009]

P Campisi, V Forte

Undergraduate Medical Education Curriculum Renewal Fund. “*Otoscopy Simulation: A New Paradigm in Undergraduate Medical Education.*” [\$16,400 – 2009-2010]

S Chen, V Lin

CREMS Award, University of Toronto, Faculty of Medicine. “*The Development of an in vitro Adult Cochlear Technique.*” [\$5,000 – June 2010]

S Chen, V Lin

Sunnybrook Brain Sciences Summer Studentship, Sunnybrook Research Institute, University of Toronto, Faculty of Medicine. “*The Development of an in vitro Adult Cochlear Technique.*” [\$4,000 – June 2010]

A Chiodo

Toronto East General Hospital Research Foundation. “*Balloon Sinuplasty and Access to Sinus Surgery.*” [\$40,000, October 2007 to October 2009]

J de Almeida, A Vescan, J Ringash, I Witterick, P Gullane

Physicians Services Incorporated Foundation (PSI). “*Development of University of Toronto Skull Base Inventory (UTSBI) Quality of Life Scale.*” [\$20,000 2009]

DJ Enepekides, K Higgins

Ontario Institute of Cancer Research (OICR). “*Individualization of Radical Radiation Treatment with the Use of Intra-Treatment FDG Positron Emission Tomography in Advanced Head and Neck Cancer.*” [\$690,000 July 2008 to June 2011]

V Forte, P Campisi

Undergraduate Medical Education (UME) Curriculum Renewal Fund grant. “*Otoscopy Simulation.*” [\$16,400 May 2009 to May 2010]

V Forte, P Campisi

SickKids Women's Auxiliary Grant for further development of “*Otoscopy Simulation.*” [\$60,000 January 2010]

LM Friesen, T Picton

University of Toronto Dean's Fund New Staff Competition Research Grant. “*Auditory Evoked Potentials in Cochlear Implant Listeners.*” [\$10,000 – January 2008 to March 2013]

KA Gordon

Government of Ontario Early Researcher Award “*Restoring Function to the Auditory Cortex in Children who are Deaf and Using Cochlear Implants.*” [\$100,000 – 2009-2010]

KA Gordon, BC Papsin

CIHR Operating Grant #MOP-89804. “*Processing Bilateral Electrical Input in the Developing Auditory System.*” [\$457,660 – October 2008 – April 2012]

KA Gordon, BC Papsin

CIHR – Operating Grant. “*Cortical Plasticity in Children Who Are Deaf.*” [\$682,000 – October 2009–September 2014]

P Groome, J Irish, S Hall, B O'Sullivan

Canadian Cancer Society Research Institute. “*Health Care Utilization and Diagnostic Delay in Oral Cavity Cancer.*” [\$158,601 2009-2011]

P Groome, J Irish, B O'Sullivan, W Mackillop, D Feldman-Stewart, B Gottlieb, J Queenan

CIHR. “*Diagnostic Delay in Oral Cancer.*” [\$92,646 2009-2011]

S Hall, JM Irish

National Cancer Institute of Canada. "Controversy in Management of Differentiated Thyroid Cancer – Can 75% of Surgeons be Wrong?" [\$319,798 – 2007-2010]

S Hall, P Groome, B O'Sullivan, JM Irish, R Gilbert, R Myers, G Richards

National Cancer Institute of Canada. "The Impact of the Cancer Care Ontario Clinical Practice Guideline #5-6a on Physicians, Practice and Patients." [\$360,000 – 2008-2010]

RV Harrison

Canadian Institutes of Health Research (CIHR) Operating Grant. "The Programming of the Neonatal Auditory Brain by Environmental Sound Stimuli" [\$95,870 – 2007-2012]

RV Harrison

The Masonic Foundation of Ontario, Help-2-Hear Fund. "Otoacoustic Emission Suppression: Basic Studies and Clinical Applications." [\$35,000 – 2009-2010]

J Hoch, S Gavura, J Hart, S Kamel-Reid, B Lalonde, J Ross, C Sawka

Ontario Institute for Cancer Research. "Cost-Effectiveness Analysis of Personalized Medicine: Case Studies from the Real World." \$100,000/yr 2009-2011]

S Hugh, V Lin

CREMS Award, University of Toronto, Faculty of Medicine. "The Development of an in vitro Adult Cochlear Technique." [\$5,000 – June 2009]

A James

Connaught New Staff Matching Grants, University of Toronto. "Assessment of Hearing Loss from Jaundice in Premature Babies." [\$16,838 – 2008-2010]

S Kamel-Reid, P-Y Wong

Ontario Cancer Research Network, "Genomic and Proteomic Analysis of Downstream Targets in APL: Mechanisms of Response and Resistance to Therapy." [\$188,666/yr 2006-2009]

S Kamel-Reid, M Pintilie, JM Irish, P Gullane, I Jurisica, D Goldstein, G Zheng, B Perez-Ordoñez, B Wilson, R Gilbert

Ontario Institute for Cancer Research (OICR). "Molecular Genetic and Imaging Assessment of Surgical Resection Margins in Oral Carcinoma: Predictors of Recurrence and Potential Therapeutic Targets." [\$675,576 – 2008-2011]

S Kamel-Reid, B Perez-Ordonez, L Siu

Pfizer Canada. "The Frequency of EGFRVIII Mutations in Oral Carcinoma." [\$56,000/yr 2009-2010]

S Kamel-Reid and J Lipton

Bristol Meyers Squibb Canada. "CML Mutation Screening in Imatinib Resistant Patients without Mutations in the ABL Kinase Domain." [\$106,000/yr 2010]

J Lee

Neilmmed Pharmaceuticals Inc. "Microwave Disinfection: Assessing the Risk of Irrigation Bottle Contamination Following Sinus Surgery." [\$15,452 June – December 2010]

V Lin

Hearing Foundation of Canada Fellowship Award. "Auditory Regeneration" [\$250,000 – July 2009 – June 2014]

F-F Liu, E Chen, B Cummings, R Gilbert, P Gullane, A Hui, JM Irish, S Kamel-Reid, J Kim, W Lam, B O'Sullivan, B Perez-Ordoñez, M Pintilie

Ontario Institute for Cancer Research (OICR). "Developing a Predictive Gene Set for HNSCC Patients". [\$470,796 – 2008-2011]

F-F Liu, A Hui, B O'Sullivan, B Perez-Ordoñez, M Pintilie

Canadian Institutes of Health Research. "The Role of Micro-RNAs in Human Nasopharyngeal Carcinoma." [\$752,500 – 2008-2013]

F-F Liu, E Ito, I Kim, L Kotra, E Pai, M Ikura, R Rahimpour

Canadian Institutes of Health Research Proof-of-Principle. "Targeting UROD as a Novel Anti-Cancer Therapeutic Strategy. [\$150,000 – 2010-2011]

F-F Liu, E Ito, I Kim, A Schimmer

Canadian Institutes of Health Research. "Small Molecule Inhibitors Against a Novel Radio- and Chemo-sensitizing Target for Human Cancers." [\$422,553 – 2010-2013]

G Liu, F Meyer, I Bairati, C S Wang, I Jurisica, W Xu, J Waldron, D Goldstein

National Cancer Institute of Canada. “*Genetic Polymorphisms and Head and Neck Cancer Outcomes.*” [\$567,850 – 2008-2011]

BC Papsin

Lauren Nayman Fund for Cochlear Implant Research. Capital Endowment Gift to support staff and equipment maintenance in the Cochlear Implant Laboratory. [\$50,000 – 1999 – 2010]

Jordan and Lisa Gnat Family Endowment. Capital Endowment Gift to develop and support work in the Cochlear Implant laboratory. [\$50,000 – 2000 – 2010]

Vita and Stephanie Nalli Cochlear Implant Fund. Capital Gift to support laboratory activity and to support annual Academic Day & the Nalli/Ingolia Family Lecture. [\$146,787 – 2000 – 2010]

Cochlear Americas Chair in Auditory Development (Endowed Chair). An Inaugural chair holder money used to develop the Cochlear Implant Laboratory and to support advocacy of children with hearing impairment and their families. [\$2,000,000 – 2005 – 2015]

Csepregy-Kluge Endowment for Cochlear Implant Research. Capital Endowment Gift to develop and maintain databases for outcome analysis in pediatric cochlear implantation in addition to supporting staff in the Cochlear Implant Laboratory. [\$50,000 – 2006 – 2010]

Grant Family Gift. Capital Gift to support the development of the Cochlear Implant Laboratory and development of a trainee support grant to assist funding of continued study of auditory development in children with cochlear implants. [\$500,000 – 2007 – 2009]

I Poon, D Enepekides, J Wright, P Jager, A Pugachev, K Higgins

Ontario Institute of Cancer Research (OICR). “*Individualization of Radical Radiation Treatment with the Use of Intra-treatment FDG Positron Emission Tomography in Advanced Head and Neck Cancer.*” [\$689,814 – 2008-2011]

A Sawka, D Goldstein

Use to Usual Care Granting Agency: MSH UHN AMO Phase 3 Innovation Fund. “*Decision Aid for Adjuvant Radioactive Iodine Treatment in Early-stage Papillary Thyroid.*” [\$183,733 – 2009-2011]

R Seaberg*, B Perez-Ordenez, D Goldstein, E Weinreb

American Academy of Otolaryngology- Head and Neck Surgery Resident Grant. “*Role of the MECT1-MAML2 Fusion Transcript on Histologic Features and Clinical Outcome in Patients with Mucoepidermoid Carcinoma.*” [\$10,000 – 2009]

J Siewersden, KK Brock, A Easty, F Gentili, JC Irish, DA Jaffray, W Kucharczyk, I Witterick

National Institutes of Health (USA). “*High-Performance Cone-Beam CT Guidance of Head and Neck Surgery.*” (R01 Research Grant number: 1R01-CA127444). [\$1,000,000 (US) 2007-2011]

KWM Siu, TJ Colgan, CM MacMillan, R Ralhan, IJ Witterick

Canadian Institutes of Health Research (CIHR) Operating Grant. “*Discovery, Identification and Verification of Novel Biomarkers in Head and Neck Cancer.*” [\$396,211 – 2008-2011]

KWM Siu, R Ralhan, S Benchimol

Ontario Institute for Cancer Research. “*Preclinical Validation of Novel Potential Therapeutic Molecular Targets for Head and Neck Cancer identified Using Tissue Proteomics.*” [\$429,525 – 2008-2011]

T Stockley, KA Gordon, BC Papsin

Ontario Association for Medical Laboratories, Research Trust Small Grants Program. “*Improving Genetic Testing for Inherited Deafness in Ontario.*” [\$35,000 – 2009-2010]

PG Walfish, R Ralhan

Kalgene Diagnostics. “*Development of Clinically Integrated Diagnostics for Thyroid Cancer.*” [\$250,000 – 2009-2010]

JJ Warsh, P Li, M Tseng, IJ Witterick.

Canadian Institutes of Health Research (CIHR). “*BDNF/TRPC Signal Transduction in Bipolar Disorder and Mood Stabilizer Action.*” [\$305,193 – 2009 – 2012]

University Health Network

Private donor support:

- Annual Endowment from the Wharton Chair. [\$100,000]
- Annual Endowment from the Mariano Elia Chair for Otolaryngology/Head and Neck Research. [\$100,000]

Extracurricular Activities and Honours

SM Abel

Defence R&D Canada – Toronto

Defence Scientist (Level 5), Individual Readiness Section. 2006 to present.

Member, Knowledge and Information Management Committee. 2007 to present.

Member, Awards and Recognition Committee. 2009 to present.

Member, Key Activity Working Group #3 – How Projects are Conducted. 2009 to present.

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

Member, NATO Human Factors Medical Panel, Technical Team HFM TG-147, “Advanced Hearing Protection Technology”. 2004-2010.

Grant Selection Panel: Canadian Institutes of Health Research, Grants Selection Committee for Team Grant: Vision, Hearing and Communication Disorders, Teleconference Member. 2010.

Grant Review: Natural Sciences and Engineering Research Council of Canada, Discovery Grants Program. 2010.

Manuscript Reviewer:

Aviation

Space and Environmental Medicine

Ear & Hearing

International Journal of Audiology

Journal of Noise & Health

J Adamonis

Peer Assessor for the College of Audiologists and Speech Language Pathologists of Ontario (CASLPO). 2002 to present.

PA Adamson

Honorary Member, European Academy of Facial Plastic and Reconstructive Surgery. Awarded the “*Joseph Lecture and Medal*” for lifetime contributions to the advancement of facial plastic and reconstructive surgery. 2009.

American Academy of Facial Plastic and Reconstructive Surgery (AAFPRS):

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

Director, Fellowship Program, 1987 to present.

Member, Editorial Board, Archives of Facial Plastic Surgery. 1998 to present.

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

Member, Strategic Development Committee. 2006 to present.

Member, Ethics Committee. 2007 to present.

Member, Planning Committee, 10th International Symposium of Facial Plastic Surgery. 2008 to present.

American Board of Facial Plastic and Reconstructive Surgery (ABFPRS):

Board Examiner, (2 day annual examinations) 1989 to present.

Contributor of oral examination protocols. 1989 to present.

Senior Advisor, Board of Directors. 2003 to present.

Member, Audit Committee. 2006 to present.

Member, Bylaws and Publications Committee. 2006 to present.

Member, FPS Archives Advisory Council. 2007 to present.

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

President, Canadian Foundation for Facial Plastic and Reconstructive Surgery. 1994 to present.

Manuscript Reviewer:

Journal of Otolaryngology – Head and Neck Surgery (CSO-HNS). 1981 to present.

Otolaryngology – Head and Neck Surgery (AAO-HNS). 1995 to present.

The Laryngoscope. 1997 to present.

Member, Editorial Board, Plastic Surgery International. 2009 to present.

Inspector, Canadian Association for Accreditation of Ambulatory Surgical Facilities, Inc. 2001 to present.

Chef de Mission “*Face the Future Mission*”, Canadian Foundation for Facial Plastic and Reconstructive Surgery, for 1 week medical mission of 7 surgeons and 1 physician to Saratov, Russia. Demonstration surgery and lectures on paediatric general, facial plastic, plastic and urologic surgery. June 2010.

Head, Division of Facial Plastic and Reconstructive Surgery, Department of Otolaryngology, University of Toronto. 2008 to present.

Member, Promotions Committee, Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 2000 to present.

Member, Departmental Appointments Committee (DAC), Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 2006 to present.

Member, Executive Committee, Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 2008 to present.

J Anderson

Member, Executive Committee, Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 2008 to present.

Member, Departmental Appointments Committee, Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 2008 to present.

Member, Budget Committee, Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 2008 to present.

St. Michael's Hospital:

Otolaryngologist-in-Chief. 2008 to present.

Medical Director, Voice Disorder's Clinic. 1995 to present.

Member, Clinical Relations Committee 2008-2010

Member, AFP Management Committee. 2008 to present.

Member, AFP Executive Committee. 2008 to present.

President, Medical Staff Association. 2007 to present.

Member, Perioperative Services Advisory Committee

Member, Medical Advisory Committee (MAC). 2005 to present.

Member, Medical & Management Liaison Committee. 2005 to present.

Member, Board of Directors 2005 to present

Member, Business Services Committee. 2007 to present.

Member, Strategic Planning Committee. 2008 to present.

Otolaryngology Consultant, Stratford Festival and Canadian Opera Company. 2003 to present.

Co-ordinator, Fellowship Examination Study Course, Department of Otolaryngology, University of Toronto. 1994-2009

Journal Reviewer:

Journal of Otolaryngology – Head & Neck Surgery

Journal of Surgery

G Bradley

President, Canadian Academy of Oral and Maxillofacial Pathology and Oral Medicine. 2009-2011.

External Reviewer for Scientific Journals:

Cancer Research

Critical Reviews in Clinical Laboratory Sciences

Journal of the Canadian Dental Association

Journal of Dental Research

Arch. Oral Biology

DH Brown

Elected Canadian representative to the Executive Committee of IFOS (5 year term). 2005-2010.

Canadian Society of Otolaryngology – H&N Surgery

President, May 2010 – May 2011

Member, Executive Committee – 2005-2012.

Surgical Oncology Representative, PMH/TTH Data Services Monitoring Board (DSMB). 1998 to present.

Member, Editorial Board:

British Medical Journal, 1994 to present.
 Journal of Otolaryngology, 1995 to present.
 European Archives of Otorhinolaryngology, 2003 to present.
 The Laryngoscope, 2004 to present.

Elected member, Collegium Oto-Rhino-Laryngologicum Amicitiae Sacrum. 2003 to present.

Royal Society of Medicine (United Kingdom).

Fellow, 1987 to present.
 Member, Section of Oncology & Laryngology. 1992 to present.

Member, The Canadian Cancer Society, Ontario Division. 1992 to present.

Member, The Medico-Legal Society of Toronto. 1992 to present.

Member, Toronto Academy of Medicine. 1989 to present.

Site Coordinator, Undergraduate Education Wightman-Berris Academy (University Health Network), Department of Otolaryngology – Head & Neck Surgery, University of Toronto.

P Campisi**American Society of Pediatric Otolaryngology**

Chair, Program Committee Annual Meeting, Las Vegas, Nevada 2009-2010.
 Member, Executive Committee. 2009-2010.
 Member, Fellowship Committee. 2006-2010.

Admitted for active membership in the Triological Society at 2010 COSM Meeting. Las Vegas, Nevada for thesis entitled: *"The Epidemiology of Juvenile Onset Recurrent Respiratory Papillomatosis Derived from a Population Level National Database"*.

Director, Undergraduate Education Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 2005 to present.

Chair, Undergraduate Curriculum Committee, Department of Otolaryngology – Head & Neck Surgery. 2005 to present.

Member, Executive Committee, Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 2005 to present.

Member, Clerkship Committee, Otolaryngology Representative, Faculty of Medicine, University of Toronto, 2005 to present.

Member, Art and Science of Clinical Medicine II Curriculum Subcommittee, Otolaryngology Representative, Faculty of Medicine, University of Toronto, 2005 to present.

Member, Faculty Council, Otolaryngology Representative, Faculty of Medicine, University of Toronto.

Member, Post Operative Care Unit Quality Management Committee. Hospital for Sick Children. 2006 to present.

Hospital for Sick Children

1st Vice President, Medical Staff Association. 2010.
 Member, Medical Staff Association Committee
 Member, Medical Advisory Committee
 Member, Board of Trustees
 Member, Accreditation Committee. 2009-2010

Editorial Board Reviewer:

Laryngoscope. 2005 to present.
 Paediatrics and Child Health. 2004 to present.
 Journal of Otolaryngology – Head & Neck Surgery. 2005 to present.
 Archives of Otolaryngology, Head and Neck Surgery, 2006 to present
 International Journal of Pediatric Otorhinolaryngology. 2004 to present.

Y Chan

Executive Member, Clinical Teachers Association of Mississauga. 2010 to present.

Trillium Site representative, Undergraduate Committee, Department of Otolaryngology – HNS, University of Toronto. 2009 to present.

Member, Rhinology Working Group, Canadian Society of Otolaryngology – HNS. 2009 to present.

Member, Fellow and Resident Committee, American Rhinologic Society. 2007 to present.

Reviewer, Journal of Otolaryngology – H&N Surgery.

JM Chen

Otolaryngologist-in-Chief, Sunnybrook Health Sciences Centre. October 2007 to present.

Member, Executive Committee, Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 2007 to present.

Member, Departmental Appointments Committee, Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 2007 to present.

Member, Budget Committee, Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 2007 to present.

Sunnybrook Health Sciences Centre

Member, Search Committee, Chief of Ophthalmology, 2010.

Member, Medical Advisory Committee. 2007 to present.

Member, Senior Medical Council. 2007 to present.

Member, O.R. Management Committee. October 2007 to present.

Member, Acoustic Neuroma Society of Canada.

Member, Surgical Advisory Board, Advanced Bionic Company. 2007 to present.

Member, Surgical Advisory Board, MedEI Company. 2008 to present.

Member, Surgical Advisory Board, Grace Medical Company. 2008 to present.

Member, Ontario Cochlear Implantation Program. 1993 to present.

Advisor/Medical Consultant, Canadian Acoustic Neuroma Society.

Grant Reviewer, Alberta-Heritage Fund. 2009.

Reviewer, Journal of Otolaryngology – H&N Surgery. 1994 to present.

A Chiodo

Highest Teacher Effectiveness Score, Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 2009.

New Researcher Award, Toronto East General Research Foundation. 2009.

Member, Postgraduate Committee, Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 2000-2010.

Member, Undergraduate Committee, Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 2010.

Toronto East General Hospital

President, Medical Staff Association, 2010-11

Vice President, Medical Staff Association, 2009-2010

Member, Board of Directors, 2009-2011.

Member, Governance Sub-Committee of Board of Directors. 2010

Member, Budget Sub-Committee of Board of Directors. 2010

Member, Medical Performance Sub-Committee of Board of Directors. 2009-2010

Member, Nominating Sub-Committee of Board of Directors. 2009-2010

Member, Medical Advisory Committee, 2008-2009.

Member, Search Committee, Chief of Staff. 2010

Reviewer, Journal of Otolaryngology – Head & Neck Surgery. 2007 to present.

K Conrad

American Academy of Facial Plastic and Reconstructive Surgery

Member of the Founder's Club. 2000 to present.

Member, Credentials Committee – Canadian Regional representative. 2008 to present.

Consultant, Nasal and Facial Reconstructive Surgery, Isabel Silverman Canada-International Scientific Exchange Program (CISEPO). 1996 to present.

Director, Canadian Academy of Facial Plastic and Reconstructive Surgery. 1986 to present.

Editorial Reviewer, Journal of Otolaryngology.

MJ Davidson

Odette Cancer Centre, Sunnybrook Health Sciences Centre
OCC Scanning Committee. 2007-2009.
Member, e-Sheet User Committee. 2009 to present

FM de Souza

Otolaryngologist-in-Chief, Chair, Division of Otolaryngology – Head & Neck Surgery, Trillium Health Centre, Mississauga, Ontario. 2008 to present.

S Druker

Liaison between Dalhousie University and the Hospital for Sick Children for Audiology Master's students. 2009.

Liaison between University of Ottawa and the Hospital for Sick Children for Audiology Master's students. 2010.

Liaison between The University of Western Ontario and the Hospital for Sick Children for Audiology Master's students. 1998 to Present.

DAF Ellis

American Academy of Facial Plastic and Reconstructive Surgery
Preceptor, One-Year Fellowship. 1987 to present.
Member, The Founders Club. 1993 to present.

Member, International Federation of Facial Plastic Surgery Society. 2003 to present.

Founding Director, Pan Pacific Academy of Facial Plastic & Reconstructive Surgery. 2009 to present.

Peer Assessor, Quality Management Division, The College of Physicians & Surgeons of Ontario. June 2009 to present.

Editorial Consultant, Canadian Journal of Diagnosis. 1984 to present.

Editorial Board, Journal of Otolaryngology. 1983 to present.

Reviewer, Contemporary Dermatology. 1992 to present.

DJ Enepekides

Awarded the American Academy of Otolaryngology – Head and Neck Surgery *2010 Honour Award*.

Selected Otolaryngology Chair for the 2011 AO Principles of Craniomaxillofacial Surgery Course to be held in Montreal, August 2011.

Associate Scientist, Sunnybrook Health Sciences Centre. December 2008 to present.

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

Department of Otolaryngology – Head and Neck Surgery representative, Sunnybrook AFP Committee.

Member, Postgraduate Committee, Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 2008 to June 2010.

Section Editor, Current Opinion in Otolaryngology Head and Neck Reconstructive Surgery. 2004 to present.

Reviewer:

Laryngoscope
Archives of Otolaryngology – Head and Neck Surgery

RS Fenton

WTIS: Provincial Lead for Otolaryngology – Head and Neck Surgery. 2008-2010.

Consultant Otolaryngologist, St. Joseph's Hospital, Elliot Lake. (Northern Ontario Under Serviced Program). 1987 to present.

Member, Evaluating Examination Surgery Test Committee. Medical Council of Canada. 2006 to present.

Reviewer, Journal of Otolaryngology – Head and Neck Surgery. 2006-2010.

Member, Canadian Society of Aviation Medicine. 1984 to present.

V Forte

Hospital for Sick Children

Otolaryngologist-in-Chief. 2003 to present.

Member, Medical Advisory Committee. 2003 to present.

Co-Chair, Emergency Measures Committee. 2002 to present.

Grand Rounds Coordinator, Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 1989 to present.

Member, Executive Committee, Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 2003 to present.

Member, Departmental Appointments Committee, Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 2007 to present.

Member, Budget Committee, Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 2003 to present.

Member, Editorial Board, Annals of Otology, Rhinology and Laryngology.

Reviewer, Journal of Otolaryngology.

JL Freeman

Otolaryngologist-in-Chief, Mount Sinai Hospital. 2002 to present.

Temmy Latner/Dynacare Chair in Head and Neck Oncology, University of Toronto. 1996 to present.

Program Director, Head and Neck Fellowship Program. 2003 to present.

Member, Royal College of Surgeons of Canada Committee on “Principles of Surgery Examination”. 1992 to present.

Member, Executive Committee, Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 2002 to present.

Member, Departmental Appointments Committee, Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 2006 to present.

Member, Budget Committee, Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 2007 to present.

Board of Directors, Israel Cancer Research Fund. 1996 to present.

Guest Editor – Operative Techniques in Otolaryngology – Head and Neck Surgery “Oral Cavity Reconstruction”. 1992 to present.

Member, Review Board:

Archives of Otolaryngology – Head & Neck Surgery

Cancer

Head and Neck Surgery. 1989 to present.

Laryngoscope

Surgery, Obstetrics and Gynaecology. 1990 to present.

Member, Editorial Board:

Head and Neck Surgery

The Laryngoscope

Journal of Otolaryngology – Head & Neck Surgery. 1985 to present.

Operative Techniques in Otolaryngology – Head and Neck Surgery. 1989 to present.

Open Otorhinolaryngology Journal. 2009

Reviewer:

UICC International Cancer Technology Transfer (ICRETT). 2008

European Journal of Surgical Oncology. 2007 to present.

J Friedberg

Professor, Department of Surgery, The Northern Ontario School of Medicine (NORMED). 2007 to present.

Active Staff in Otolaryngology, West Parry Sound Health Centre, Parry Sound, Ontario. 2006 to present.

Charter Member, Society for Ear, Nose & Throat Advancement in Children (SENTAC). 1972 to present.

LM Friesen

Member, Featured Sessions Committee, American Academy of Audiology Convention Program, Audiology NOW 2011. 2010.

Member, Association for Research in Otolaryngology. 1999 to present.

Member, American Auditory Society. 2002 to present.

Associate Editor – Editorial Board for Canadian Hearing Report. 2009.

Ad-hoc Reviewer:

Ear and Hearing
Journal of Speech Language and Hearing Research
Annals of Otology, Rhinology and Laryngology
Journal of the Acoustical Society of America
Journal of the Association of Research for Otolaryngology
Hearing Research
Audiology and Neuro-Otology
Canadian Journal of Speech-Language Pathology and Audiology
The Scientific World

Ad-hoc Reviewer, Canadian Foundation of Innovation Grants and National Sciences and Engineering Research Council of Canada.

A Gantous

Director, Facial Plastic and Reconstructive Surgery Clinic, Department of Otolaryngology – Head & Neck Surgery. St. Michael's Hospital. September 2007 to present.

Reviewer, Journal of Otolaryngology. 1998 to present.

RW Gilbert

Head, Division of Head and Neck Surgery. Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 2007 to present.

Deputy Chief, Department of Otolaryngology – Head & Neck Surgery, University Health Network. 2002 to present.

National Cancer Institute of Canada (NCIC):

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

Cancer Care Ontario (Program in Evidence Based Care):

Chair, Treatment Guidelines Group Head and Neck Site. 2004 to present.
Member, Practice CCO Guidelines Initiative, Provincial Head & Neck Cancer Disease Site Group

Member, Postgraduate Committee, Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 2001 to present.

Member, Executive Committee, Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 2002 to present.

Member, Departmental Appointments Committee, Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 2006 to present.

Member, Budget Committee, Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 2006 to present.

University Health Network:

Chair, Medical Advisory Committee. January 2009 to present.
Member, Board of Trustees. 2009 to present.
Member, Quality Committee of the Board. 2009 to present.

Princess Margaret Hospital:

Chair, Quality Committee, Cancer Program. 2008 to present.
Chair, Head and Neck Site Group. 2001 to present.
Member, Cancer Committee. 2001 to present.
Member, Management Council, Department of Surgical Oncology. 2001 to present.

Member, Editorial Board:

Journal of Otolaryngology. 1989 to present.
Head and Neck Surgery. 1999 to present.

DR Goldfarb

Director, Toronto Snoring Centre. 1993 to present.

Member, Abbott/Biaxin Advisory Board. 2003 to present.

D Goldstein

Co-coordinator, Journal Club, Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 2007 to present.

Co-coordinator, Melanoma & Skin Malignancy Multidisciplinary Tumor Board; Melanoma Site Group, Princess Margaret Hospital, Toronto Ontario. 2008 to present.

Coordinator, Head and Neck Oncology & Endocrinology Rounds; Weekly Multidisciplinary Rounds, University Health Network. 2006 to present.

American Head and Neck Society

Member, Quality in Care Committee. 2009-2010.
Member, Publications Committee. 2009 to present.

Ad hoc reviewer

Archives of Otolaryngology. 2008 to present.
Canadian Medical Association Journal. 2007 to present
European Journal of Cancer. 2009 to present.
Head and Neck. 2007 to present.
Journal of Otolaryngology – Head and Neck Surgery. 2006 to present.
Otolaryngology Head & Neck Surgery. 2006 to present.
World Journal of Surgery. 2009 to present

E Gooden

North York General Hospital. Toronto, Ontario.

Chief, Division of Otolaryngology, Department of Surgery. January 2009 to present.
President, Medical Staff Association. April 2009 – April 2010.
Member, Medical Advisory Executive Committee. 2006-2010.
Vice-President Medical and Academic Affairs CEO Advisor Panel. January – March 2010.
Member, Search Committee – Medical Program Director, Obstetrics & Gynecology. 2010.
Member, Finance and Audit Committee. 2008-2010.
Member, Board of Governors. April 2006 to present.
Co-Coordinator, Otolaryngology Academic Rounds. 2002 to present.

K Gordon

Winner of the Government of Ontario 2009 Early Researcher Award.

Society for Ear, Nose and Throat Advances in Children (SENTAC).

Winner of the 2009 Travel Award
Member, Program Committee, Annual Meeting December 2009.
Member, Board of Directors, Annual Meeting December 2009.

Institute of Medical Sciences, University of Toronto

Associate Graduate Faculty Member. 2007 to present.
Course Facilitator

Member, Audiology Committee, Department of Otolaryngology – Head and Neck Surgery, University of Toronto.

Member, Research Committee, Department of Otolaryngology – Head and Neck Surgery, University of Toronto.

Reviewer:

Annals of Otorhinolaryngology. 2008 to present.
 Archives of Otolaryngology – Head and Neck Surgery
 Audiology and Neurotology. 2006 to present.
 Canadian Institutes of Health Research. 2005 to present.
 Ear and Hearing. 2005 to present.
 Early Human Development
 Hearing Research. 2005 to present.
 International Journal of Pediatric Otolaryngology. 2004 to present.
 International Journal of Psychophysiology. 2008 to present.
 Journal of the Acoustical Society of America. 2005 to present.
 Journal of the Association for Research in Otolaryngology
 Journal of Clinical Neurophysiology. 2005 to present.
 Journal of Neurophysiology. 2007 to present.
 Otology and NeuroOtolology. 2007 to present.

G Goulding

Hospital for Sick Children

Member, Diversity and Accessibility Committee. 2004 to present.
 Member, Healthy Workplace Committee. 2007 to present.

PJ Gullane

Recipient of *Honorary Fellowship* – Royal College of Surgeons of England, London England, (FRCS). January 19, 2010.

January 2010 Appointed as a Member to the “*Order of Canada*” by the Governor General of Canada. [*This is a Fellowship that recognizes the achievement of outstanding merit or distinguished service through life-long contributions. Cited for contributions in the field of head and neck surgery, and also as an inspiration to many young surgeons*]

2nd Vice-President Elect – Canadian Society of Otolaryngology – Head & Neck Surgery. 2010-11.

Presented the “Sir Peter Freyer Memorial Lecture”. Galway Ireland. September 4, 2009.

Elected as Program Conference Chair, The International Academy of Oral Oncology (IAOO) for the 2nd Biannual IAOO World Congress to be held in Toronto July 2009.

American Academy of Otolaryngology – Head and Neck Surgery

Consultant, Head and Neck Surgery and Oncology Committee. 2006-2010.
 Consultant, International Otolaryngology Committee. 2006-2010.

Member, Editorial Review Board:

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

Associate Editor, Head and Neck Journal. 2008-2010.

Editorial Board:

American Journal of Otolaryngology. 1993 to present.
 International Advisory Board, The Saudi Journal of Oto-Rhino-Laryngology. Saudi Arabia. 1999 to present.
 The Laryngoscope. 2000 to present.
 On-Line Journal Head and Neck Surgery-Oncology. 2003 to present.
 Journal Auris Nasus Larynx, International Journal of ORL & HNS (Elsevier) – Japan. 2005 to present.
 Annals of Mexican Otolaryngology – Mexican Society of Otolaryngology – Head and Neck Surgery. 2007 to present.
 Oral and Maxillofacial Surgery. 2006 to present.

Reviewer:

Journal of Otolaryngology – Head & Neck Surgery. 1990 to present.
 Journal of Skull Base Surgery. 1991 to present.
 Les Annales d'Otolaryngologie et de Chirurgie Cervico-Facial (France), 1991 to present.
 Journal of Vascular Surgery. 2002 to present.
 Lebanese Journal. 2004 to present.

JJ Halik

Peer Assessor, College of Physicians and Surgeons of Ontario. 2002 to present.

Peer Assessor, College of Physicians and Surgeons of Atlantic Canada. 2003 to present.

Assessor for the Registration through Peer Assessment Program, College of Physicians and Surgeons of Ontario. 2005.

RV Harrison

Director of Research, Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 1990 to present.

Member, Executive Committee, Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 1990 to present.

Chair, Promotions Committee, Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 2006 to present.

Member, Departmental Appointments Committee, Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 2006 to present.

Chair, Advisory Council for National Centre for Audiology (NCA), University of Western Ontario. 2006 to present.

Scientific Director, The Hearing Foundation of Canada. 2000 to present.

Member, Executive Advisory Committee Brain and Behavior Division, Hospital for Sick Children. 2005 to present.

Member, Ontario Cochlear Implant Planning Group. 1993 to present.

Reviewer, Research Fund Granting Agencies:

Alberta Heritage Foundation
Medical Research Council of Canada
The Hospital for Sick Children Foundation

Reviewer, Scientific Journals:

NeuroImage
Journal of Comparative Physiology
Journal of the Acoustical Society of America
Hearing Research
BioMed Central ENT Journal
Journal of Communication Disorders
Audiologie
Revue Laryngology Otology Rhinology
Prostaglandins
Audiology Neuro-Otology
The Journal of Otolaryngology
Scanning Microscopy
Journal of Speech-Language Pathology and Audiology
Human Communication Canada
Canadian Acoustics
Journal of the Association for Research in Otolaryngology

KM Higgins

Admitted for active membership in the Triological Society at 2010 COSM Meeting. Las Vegas, Nevada for thesis entitled: *Treatment for Early Stage Glottic Carcinoma Amongst Adult Patients: CO2 Endolaryngeal Laser Excision vs. Standard Fractionated External Beam Radiation is Superior in Terms of Cost-utility?*

Site Coordinator, Undergraduate Education Boyd Academy, Department of Otolaryngology – Head & Neck Surgery, University of Toronto. July 2006 – June 2010.

Reviewer:

Journal of Otolaryngology – Head & Neck Surgery. 2005 to present.
Laryngoscope. 2006 to present.
Head and Neck. 2010 to present.

ML Hyde

Member & Chair – Outcomes Subgroup, International Working Group on Childhood Hearing (IWGCH). www.childhearinggroup.isib.cnr.it

Consultant (part-secondment), Infant Hearing Program, Ontario Ministry of Children and Youth Services. 2000 to present.

Manuscript Reviewer, Ear and Hearing.

Member Editorial Board, Journal of the American Academy of Audiology. 1991 to present.

Member, Research Ethics Board, Mount Sinai Hospital. 1998 to present.

JC Irish

Appointed to the *Kevin and Sandra Sullivan Chair in Surgical Oncology*. 2008-2013.

Chief, Department of Surgical Oncology, University Health Network/Mt. Sinai Hospital. 2001 to present.

Head, Surgical Services, Princess Margaret Hospital. 2001 to present.

Interim Clinical Lead, Access to Services and Wait Times, Province of Ontario. 2009 to present.

Cancer Care Ontario

Provincial Head, Surgical Oncology. 2008 to present.

Member, Wait Times Steering Committee. 2006 to present.

Member, Clinical Council

Member, Clinical Programs

Member, Cancer Surgery Coordinating Committee. 2005-2008.

Chair, Cancer Surgery Coordinating Committee. 2008 to present.

Lead, Access to Care and Strategic Funding Initiatives (Cancer Care Ontario Surgical Oncology Program). 2004 to present.

Examiner, Royal College of Physicians and Surgeons of Canada Examination Board in Otolaryngology. 2007 to present.

Chair, Departmental Appointments Committee (DAC). Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 2006 to present.

Member, Executive Committee, Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 2006 to present.

Associate Member, Institute of Medical Science, School of Graduate Studies. University of Toronto. 2007 to present.

Member, National Cancer Institute of Canada, Head and Neck Site Group Executive. 1994 to present.

Member, Ontario Cancer Research Ethics Board. 2003 to present.

Member, Publications Committee, American Head and Neck Society. 2008-2010.

Fellow-at-Large, American Head and Neck Society Council. 2008-2011.

Program Chair, International Conference on Head and Neck Cancer, American Head and Neck Society. 2008 to present.

Member, Nominating Committee, North American Skull Base Association. 2004 to present.

Canadian Society of Otolaryngology – Head and Neck Surgery:

Chair, Fellowship Education Committee. 2003 to present.

Member, Council. 2004 to present.

Education/Postgraduate Editor, Electronic Journal. 1998 to present.

American Head and Neck Society

Member, Publications Committee. 2008-2010.

Council Fellow-at-Large. 2008-2011.

Appointed Canadian President, Collegium Oto-Rhino-Laryngologicum Amicitiae Sacrum. 2002 to present.

Specialist Board, "Experts on Call", Canadian Journal of Diagnosis. 2008 to present.

Expert Reviewer, Canadian Cancer Society, Patient Education. 2005 to present.

Reviewer:

Archives of Otolaryngology. 1999 to present.

British Medical Journal. 1996 to present.

Head and Neck. 2002 to present.

Journal of Otolaryngology – Head & Neck Surgery. 1990 to present.

Journal of Surgical Oncology. 2002 to present.

Laryngoscope. 2003 to present.

Otolaryngology – Head & Neck Surgery. 2003 to present.

Editorial Board:

Journal of Otolaryngology. 2009 to present.
Parkhurst Exchange. 2005 to present.

Associate Editor:

Basic Sciences, Journal of Otolaryngology. 1997 to present.
Journal of Otolaryngology – Head & Neck Surgery. 2009 to present.

A James

Admitted for active membership in the Triological Society at 2010 COSM Meeting. Las Vegas, Nevada for thesis entitled: “Assessment of Olivocochlear Function in Neonates with Real Time Distortion Product Otoacoustic Emissions.” **[This thesis was selected to receive the prestigious “Harris P. Mosher Award” given in recognition of excellence in Clinical Research.]**

Hospital for Sick Children

Member of Research Ethics Board. 2006 to present.
Acting Vice-Chair, Research Ethics Board. March – May 2010.
Morbidity and Mortality Review Committee. 2006 to present.

Section Editor, The Cochrane Collaboration Ear, Nose & Throat Disorders Group. 2008 to present.

Reviewer:

Clinical Otolaryngology. 2008–2010.
International Journal of Pediatric Otorhinolaryngology. 2008 to present
University of Toronto Medical Journal. 2008 to present.
Pediatrics & Child Health. 2009 to present.

J Lee

Awarded the “Rhinology Fellowship Travel Award”, American Rhinologic Society (ARS), October 2009. **[Awarded to the two highest ranking abstracts submitted by post-ARS Rhinology fellows presenting their work at the annual meeting]**

Invited Reviewer:

American Journal of Rhinology and Allergy. 2009 to present.
Journal of Laryngology & Otology. 2009 to present.
Journal of Otolaryngology – Head & Neck Surgery. 2009 to present.

V Lin

Winner of one of the Faculty of Medicine, University of Toronto “Comprehensive Research Experience for Medical Students (CREMS) Awards” as a Supervisor for Sarah Hugh (3rd year medical student at UofT) for the project titled “Adult Mammalian Organ Cultures – Design of an *in vitro* System.”

Reviewer & Contributor:

CIHR Reviewer
The Journal of Otolaryngology
The American Journal of Case Reports
Otolaryngology/Head & Neck Surgery Annual Resident In-Service Examination Contributor

AM Noyek

Founder, Isabel Silverman Canada-International Scientific Exchange Program (CISEPO).

Vice President of the Board and Director, The Saul A. Silverman Family Foundation.

Member Steering Committee, Canadian Representative, Middle East Association for Managing Hearing Loss (MEHA).

Chairman, Awards Committee for the Freda Noyek Otolaryngology Merit Award. 1985 to present.

Assessor, Quality Assurance Program, College of Physicians and Surgeons of Ontario, 2008 to present.

Reviewer (nominated by the American Academy of Otolaryngology – Head and Neck Surgery), for the Intersocietal Commission for the Accreditation of Computed Tomography Laboratories (ICACTL). Columbia, Maryland. 2008.

Honorary Trustee, Toronto Cantorial Trust Fund. Cantorial Clergymen of Ontario. 2003 to present.

Canadian Jewish Congress:

Member, Ontario Region Executive Committee. 1995 to present.
Member, National Executive Committee. 1998 to present.

Member, Central Cabinet, Ontario Region League for Human Rights, B'Nai Brith Canada. 1993 to present.

Member, Otorhinolaryngology Advisory Panel, The United States Pharmacopeia Convention, Inc. 1995 to present.

Director, International Continuing Education, Faculty of Medicine, University of Toronto. 2002 to present.

Member, Awards Subcommittee Continuing Education and Professional Development, Faculty of Medicine, University of Toronto. 1993 to present.

Manuscript Reviewer:

The Physician and Sports Medicine. 1993 to present.

American Journal of Roentgenology. 1991 to present.

Editorial Board:

Operative Techniques in Otolaryngology – Head & Neck Surgery, WB Saunders Co. Philadelphia. 1989 to present.

Head & Neck, 1990 to present.

The Laryngoscope, 1990 to present.

Otolaryngology – Head & Neck Surgery, 1990 to present.

Current Opinion in Otolaryngology and Head & Neck Surgery, 1992 to present.

Book Reviewer, Archives of Otolaryngology, American Medical Association. 1981 to present.

V Papaioannou

Elected President of the College of Audiologists and Speech Language Pathologists of Ontario (CASLPO). 2010-2011.

Awarded a SickKids Certificate of Recognition for Clinical Education. March 2010.

Co-Chair Audiology Committee, Department of Otolaryngology – Head and Neck Surgery, University of Toronto. 2005 to present.

Member, Executive Committee, Department of Otolaryngology – Head and Neck Surgery University of Toronto. 2005 to present.

Chair, Supportive Personnel Presentation Committee. Canadian Association of Speech Language Pathologists and Audiologists. August 2009 – Present.

Hospital for Sick Children

Professional Advisory Committee. September 2005 to present

Operating Room Efficiency Task Force. May 2010 to present

Associate Director, Cochlear Implant Program. 1999 to present.

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

Peer Assessor. November 2001 to present.

Assistive Devices Program Task Force. March 2010 to present.

Registrar Search Committee. September – December 2009.

Member, Executive Committee. July 2009 to present.

Councillor. July 2009 to present.

Member, Discipline Committee. July 2009 to present

Member Quality Assurance Committee. July 2009 to present

Member, Audiology Practice Committee. July 2009 to present

Member, FM System Criteria Working Group, Ontario Ministry of Health and Long Term-Care Assistive Devices Program. June 2009 to present.

Member, Audiology Work Group – Infant Hearing Program (City of Toronto). May 2001 to present.

Member, Operations Committee for the Infant Hearing Program (City of Toronto). January 2003 to present.

Member, Advisory Committee, Georgian College Communicative Disorders Assistant Program. October 2003 to present.

BC Papsin

Awarded *The 2009 Robert Ruben Award for Scientific Advancement* by the Society for Ear, Nose and Throat Advances in Children (SENTAC).

Awarded the 2009-2010 “*Outstanding Teacher of the Year Award*” Department of Otolaryngology – Head and Neck Surgery, University of Toronto. May 2010.

Awarded the American Academy of Otolaryngology – Head and Neck Surgery *Honor Award*. 2010

Director, Pediatric Cochlear Implant Program. The Hospital for Sick Children, Faculty of Medicine, The University of Toronto. 1997 to present.

Cochlear Americas Chair in Auditory Development. The Hospital for Sick Children, Toronto, Ontario. December 2003 to present.

Member, Board of Examiners, Undergraduate Medical Program, University of Toronto, Faculty of Medicine. September 2006 to present.

Member, Postgraduate Committee, Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 2001 to 2010.

Member, Promotions Committee, Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 2009 to present.

Hospital for Sick Children, Toronto, Ontario

Member, Credentials Committee. December 2000 to present.

Surgical Research Committee. June 2006 to present.

Otolaryngology Representative, Medical Staff Association. 2006 to present.

Member, Information/Availability Business Continuity Steering Comm. 2008 to present.

Member, MSA Hand Hygiene Committee. January 2009 to present.

Representative, Conflict of Interest Committee. June 2009 to present.

Chair, Ad Hoc Publications Committee, American Society of Pediatric Otolaryngology [ASPO]. January 2006 to present.

American Academy of Otolaryngology – Head and Neck Surgery

Editorial Board Reviewer. November 2003 to present.

Member, Pediatric Otolaryngology Education Committee. July 2007 to present.

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

Reviewer Team Grant: Vision, Hearing and Communication Disorders. Canadian Institutes of Health Research. May 2009 to present.

Editorial Board, Reviewer:

Archives of Otolaryngology – Head and Neck Surgery. 2006 to present.

BMC Ear, Nose and Throat Disorders. 2004 to present.

International Journal of Pediatric Otorhinolaryngology. 2004 to present.

Journal of Otology and Neurotology. 2006 to present.

Journal of Otolaryngology. 1998 to present.

The Laryngoscope. 2003 to present.

University of Toronto Medical Journal. 2000 to present.

R Ralhan

Patents:

PCT/CA2009/0001954 “Head and Neck Cancer Biomarkers” (Siu, Ralhan, Matta, DeSouza).

CAN 2,643,611 “Biomarkers for Head and Neck Cancers and Precancers” (Siu KWM, Ralhan R, Matta A, DeSouza, LV).

US patent 61/244173/2009 “Methods and Compositions for the Diagnosis and Treatment of Thyroid Cancer. (Walfish and Ralhan).

US patent/ 2010 “Secretome Based Markers for the Diagnosis and Treatment of Thyroid Cancer (Walfish and Ralhan) (Under Filing March 2010).

US patent/ 2010 “Epithelial Cancer Marker” (Under Filing March 2010).

Councilor, International Academy of Oral Oncology. 2005 to present.

First Opponent and External Examiner for Ph.D. defense of thesis. University of Bergen, Norway. June 2009.

Advisory Board:

Head & Neck Oncology. 2008 to present.

South Asia for L.I.R. Biochemistry. 2009 to present.

Editorial Board:

Journal of Oral Pathology & Medicine. 2008 to present.
 The Open Biomarkers Journal. 2008 to present.
 Carcinogenesis 2006 to present.
 International Journal of Cancer. 2000 to present.
 Oral Oncology. 2006 to present.

K Riko

Director, Mount Sinai Hospital Otologic Function Unit (Audiology and Speech-Language Pathology services and Hearing Aid Dispensary). July 1998 to present.

Audiology Committee, Department of Otolaryngology – Head and Neck Surgery, University of Toronto.
 Chair, 1984-2005
 Co-Chair, 2005 to present

Member, Executive Committee, Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 1983 to present.

Member, Departmental Appointments Committee, Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 2006 to present.

Consultant, Infant Hearing Screening & Communication Development Program, Public Health Branch, Ontario Ministry of Children and Youth Services. 2004 to present.

Member, Ontario Speech-Language Pathologists and Audiologists Association. 2005 to present.

International Member, American Academy of Audiology. June 2005 to present.

Member, International Society of Audiology. January 2006 to present.

Member, Canadian Academy of Audiology. September 2005 to present.

Mount Sinai Hospital

Member, Emergency Procedures Committee. 2005 to present.
 Member, Senior Administrator On-Call Program. 2004 to present.
 Chair, Management Network (MNet) Committee. January 2000 to present.

Isabel Silverman Canadian International Exchange Program (CISEPO):

Consulting Audiologist (Invited). 1996 to present.
 Consultant in Hearing Health, 2001 to present.

Reviewer:

Journal of Speech-Language Pathology and Audiology. 1994 to present.
 Canadian Journal of Neurological Sciences. 1993 to present.
 Journal of Academy of Rehabilitative Audiology. 1993 to present.
 Journal of Otolaryngology. 1973 to present.

R Rival

Director, Community Academic Faculty, Department of Otolaryngology, University of Toronto. 2003 to present.

Member, Executive Committee, Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 2003 to present.

Chief, Division of Otolaryngology – Head & Neck Surgery, Southlake Regional Health Centre. May 2005 to present.

JA Rutka

Consultant Otolaryngologist, Workplace Safety and Insurance Appeals Tribunal (WSIAT) of Ontario. 1990 to present.

Chief Otoneurologic Consultant, Workplace Safety and Insurance Board (WSIB) of Ontario. 1987 to present.

Consultant Panel Member, Ontario Anti-infective Review Panel, Toronto Canada. 1994 to present.

Member, Tariff Committee, Section of Otolaryngology, Ontario Medical Association [OMA]. 1998 to present.

Consultant Otolaryngologist, Dryden District Regional Health Centre. Dryden, Ontario. 2002 to present.

Consultant Otolaryngologist, Sioux Lookout General and District Hospital. Sioux Lookout, Ontario. 1987 to present.

Member, Editorial Board:

Canadian Journal of Diagnosis. 1992 to present.

Journal of Otolaryngology – Head & Neck Surgery. 1990 to present.

Otitis Diagnostica – Kommunikom Press. 1998 to present.

Assistant Director, Ear Pathology Research Laboratory (EPRL) Ontario Temporal Bone Bank, University of Toronto.

DB Shipp

Coordinator, Cochlear Implant Program, Sunnybrook Health Sciences Centre. 1988 to present.

Provincial Coordinator, Ontario Cochlear Implant Centres Group, Ontario Ministry of Health. 1993 to present.

Member, Audiology Advisory Board, Advanced Bionics Corporation. 2005-2009.

O Smith

Toronto East General Hospital

Otolaryngologist-in-Chief, 2005 to present.

Director, Foundation. 2003 to present.

Chairman, Community Research Committee. 2008 to present.

Member, Executive Committee, Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 2005 to present.

Chair, Otolaryngology – Head and Neck Section. Ontario Medical Association. February 2009 to present.

AJ Smitheringale

Department of Otolaryngology – Head & Neck Surgery PBL Tutor for Meds II Foundations of Medical Practice. Peters-Boyd Academy. 1993 to present.

G Sohn

Member, International Centre for Disabilities and Research. University of Toronto.

P Solomon

Chief of Surgery. York Central Hospital. Richmond Hill, Ontario. February 2008 to date.

Regional Director, Canadian Academy of Facial Plastic Surgery. 2007 to present.

College of Physicians and Surgeons of Ontario (CPSO):

Member, "Change in Scope of Practice Committee" Otolaryngology – Head and Neck Surgery Representative. 2010.

Out of Hospital Facility Inspector. 2010.

D Storms

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

Member, Quality Assurance Committee. 2001-2009.

Peer Assessor. 2010 to present.

AD Vescan

Member, Undergraduate Committee, Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 2009 to present.

Site Coordinator, Undergraduate Education Wightman-Berris Academy (Mt. Sinai Hospital), Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 2008 to present.

Reviewer, Canadian Journal of Otolaryngology.

P Wade

Medical Director, Canadian Hearing Society. Toronto, Ontario. 1977 to present.

Director of BAHA (Bone Anchored Hearing Aid) Program at Markham Stouffville Hospital. 1996 to present.

IJ Witterick

Recipient, 2009 *Distinguished Alumnus Award* presented by the Community Academic Faculty, Department of Otolaryngology – Head & Neck Surgery. May 2010.

Vice-Chair, Department of Otolaryngology – Head & Neck Surgery University of Toronto. September 2006 to present.

Director of Postgraduate Education, Department of Otolaryngology – Head & Neck Surgery University of Toronto. September 2004 to present.

Director of Continuing Education, Department of Otolaryngology – Head & Neck Surgery, University of Toronto. July 2002 to present.

Member, Executive Committee, Department of Otolaryngology – Head & Neck Surgery, University of Toronto. 2002 to present.

Member, Budget Committee, Department of Otolaryngology – HNS, University of Toronto. 2006 to present.

Member, Promotions Committee, Department of Otolaryngology – HNS, University of Toronto. 2010.

Member, Departmental Appointments Committee, Department of Otolaryngology – HNS, University of Toronto. 2010.

Chair, Postgraduate Education Committee, Department of Otolaryngology – Head & Neck Surgery University of Toronto. September 2004 to present.

Faculty of Medicine, University of Toronto

Postgraduate Medical Education Advisory Committee. September 2004 to present.

Member, Core Surgery Committee. 2004 to present.

Continuing Education Directors and Leaders Committee. 2005 to present.

Member, Continuing Education Council. September 2005 to present.

Member, Internal Review Committee, Postgraduate Medical Education. 2007 to present.

Member, Task Force on Relations with Industry and the Private Sector (TRIPS). 2008 to present.

Member, Advisory Committee on Professionalism. 2008 to present.

Member, Sub-committee on Privacy, Hospital University Education Committee (HUEC). 2008-2009.

Member, Search Committee, Associate Dean, Postgraduate Medical Education. 2009.

External Reviewer for the RCPSC, Division of Otolaryngology – HNS, University of British Columbia. 2009.

External Reviewer, Department of Otolaryngology – Head & Neck Surgery, Schulich School of Medicine & Dentistry, University of Western Ontario (June 21-22, 2010).

Associate Member, Institute of Medical Science, University of Toronto. 2009 to present.

Chair, Program Committee, 21st Annual North American Skull Base Society Meeting, Scottsdale, AZ, February 2009 -2011.

Canadian Society of Otolaryngology – Head & Neck Surgery:

Ontario Council Representative. 2010.

Chair, Rhinology Group. 2010.

Continuing Education and Professional Development (CEPD), Faculty of Medicine, University of Toronto.

Chair, Commercial Support Policy Review Taskforce. 2010.

Member, Strategic Planning Committee. 2010.

Member, Canadian Guidelines on Acute and Chronic Rhinosinusitis Committee. 2007 -2010.

Lead Program Director Otolaryngology, Centre for the Evaluation of Health Professionals Educated Abroad. Ontario Ministry of Health and Long Term Care. 2006-2009.

The Royal College of Physicians and Surgeons of Canada:

Co-Chair, Otolaryngology – Head & Neck Surgery Board of Examiners. 2007 to present.

Member, Accreditation Committee. 2010.

Corresponding Member, Specialty Committee for Otolaryngology. 2004 to present.

Member, Credentials Committee, North American Skull Base Surgery. 2008 to present.

Judge, "Poliquin Medtronic Xomed Resident Competition", Canadian Society of Otolaryngology – Head & Neck Surgery. 2007 to present.

Chair, Program Directors Committee, Canadian Otolaryngology – Head & Neck Surgery Programs. September 2004 to present.

Member, Steering Committee, 2009 World Congress on Thyroid Cancer (August 2009). February 2007 to 2009.

Chair Local Organizing Committee, Second World Congress of the International Academy of Oral Oncology (IAOO) July 8-11, 2009. 2008-2009.

Associate Editor:

American Journal of Rhinology & Allergy. 2010 to present.
Allergy and Asthma. 2004 to present.
Journal of Otolaryngology – Head and Neck Surgery. 1997 to present.

Manuscript Reviewer:

American Journal of Rhinology & Allergy. 2010 to present.
Cochrane Ear, Nose and Throat Disorders Group. (Peer Reviewer) 2004 to present.
Ear, Nose and Throat Journal. 2009 to present.
Head and Neck. 2008 to present.
Journal of Otolaryngology. 1993 to present.
Laryngoscope. November 2003 to present.
Otolaryngology – Head & Neck Surgery. June 2005 to present.
Skull Base. 2010 to present.

E Wong

Member, Board of Directors, Canadian Academy of Audiology.

Conference Co-Chairperson. Canadian Academy of Audiology Annual Conference.

M Zirkle

Director, Fitzgerald Academy, Faculty of Medicine, University of Toronto. 2010-2015.

Site Coordinator, Undergraduate Education Fitzgerald Academy, Department of Otolaryngology – Head & Neck Surgery, University of Toronto.
May 2007 to June 2010.

St. Michael's Hospital

Member, Otolaryngology in-service Committee. 2010.
Member, Simulation Steering Committee. 2010.
Founder, Otolaryngology Interest Group. 2010.

Reviewer:

Archives of Otolaryngology – Head and Neck Surgery
Medical Education
The Laryngoscope
Otolaryngology – Head and Neck Surgery

Departmental Committees

Executive

Drs. P.J. Gullane (Chair), P. Adamson, J. Anderson, P. Campisi, J. Chen, V. Forte, J. Freeman, R. Gilbert, R.V. Harrison, J. Irish, Ms. V. Papaioannou, K. Riko, Drs. R. Rival, O. Smith and I. Witterick.

Postgraduate

Drs. I. Witterick (Chair), A. Alexander (PGY5), A. Chiodo, J. Chung (PGY1), D. Enepekides, R. Gilbert, T. Holler (PGY4), J. Lea (PGY5), E. Monteiro (PGY2), S. Morong (PGY3), B. Papsin, M. Shah (Fellow) and M. Zirkle.

Undergraduate

Drs P. Campisi (Chair), D. Brown, Y Chan, K. Higgins, A. Vescan, M. Zirkle and Ms. V. Papaioannou

Continuing Medical Education

Dr. I. Witterick

Departmental Appointments Committee

Drs. J. Irish (Chair), P. Adamson, J. Anderson, J. Chen, V. Forte, J. Freeman, R. Gilbert, P. Gullane, R.V. Harrison and Ms. K. Riko.

Research

Drs. R.V. Harrison (Chair), S.M. Abel, R. Gilbert, K. Gordon, J. Haight, J. Irish, S. Kamel-Reid, F-F. Liu and B. Papsin.

Audiology

Mses. K. Riko (Co-Chair), V. Papaioannou Riko (Co-Chair), J. Adamonis, I. Bennett, B. Bliss, M. Cashman, S. Druker, L. Friesen, K. Gordon, G. Goulding, L. MacDonald, D. Mathews, N. Sandor, D. Shipp, K. Smilsky, D. Storms, E. Thurier, J. Witte and E. Wong.

Promotions

Drs. R.V. Harrison (Chair), P. Adamson, V. Forte, P.J. Gullane, J. Irish, B. Papsin and J. Rutka.

Budget Advisory

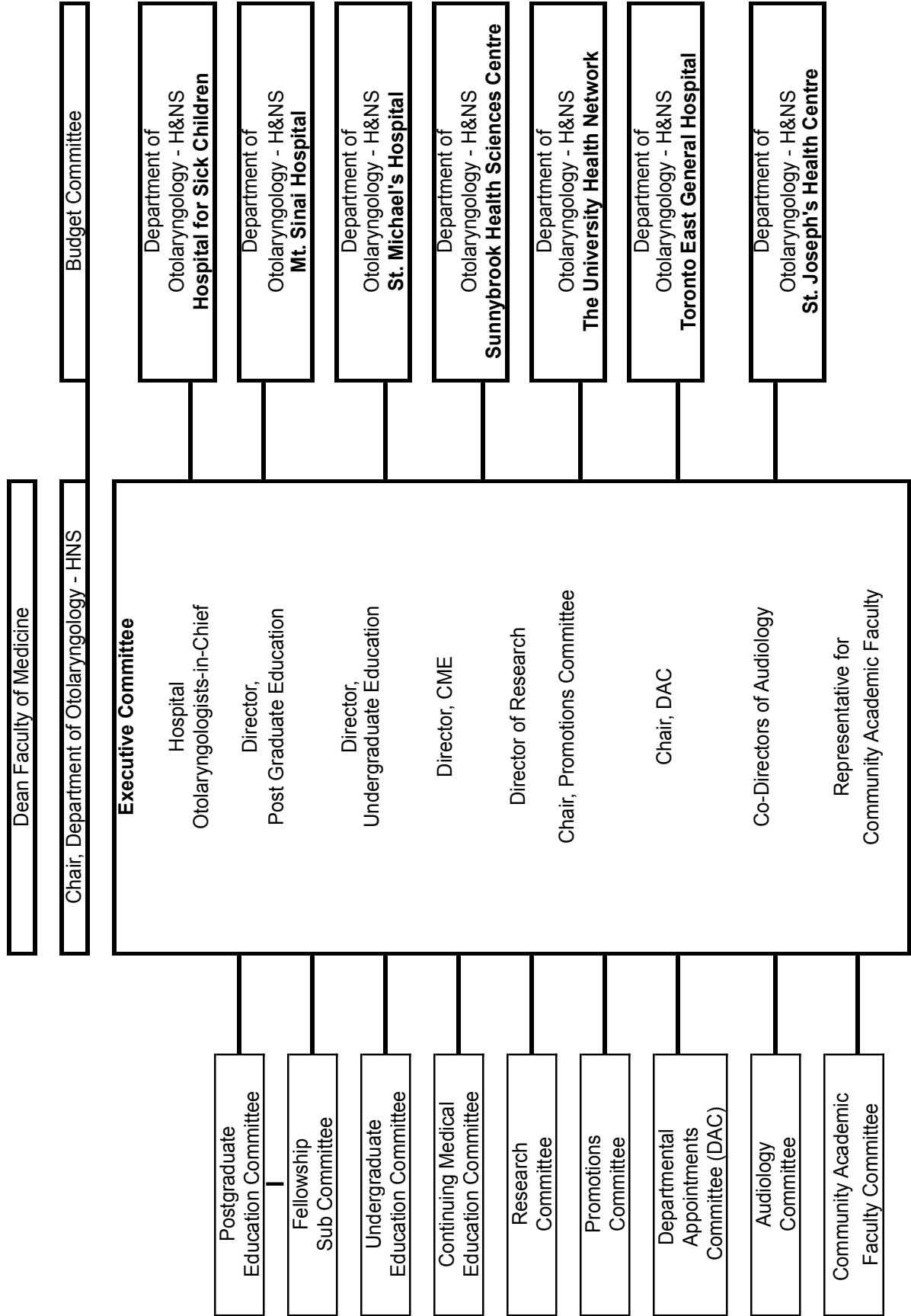
Drs. P.J. Gullane (Chair), J. Anderson, J. Chen, V. Forte, J. Freeman, R. Gilbert, R.V. Harrison, I. Witterick.

Community Academic Faculty

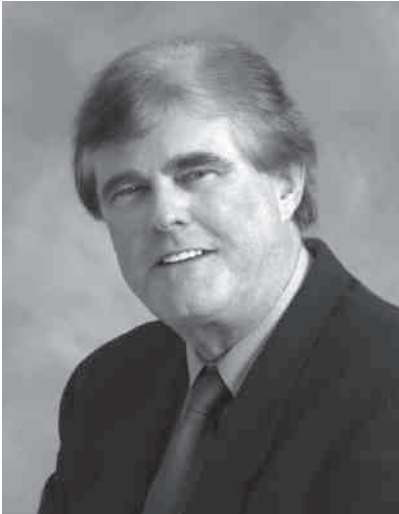
Drs. R. Rival (Chair), P. Adamson, R. Chaban, Y. Chan, A. Chiodo, K-Y. Chow, K. Conrad, J. da Silva, F.M. de Souza, W. El Masri, D. Ellis, D. Goldfarb, A. Gantous, D. Hacker, J. Haight, J. Halik, W.M. Hawke, W. Kaul, R. Macdonald, W. Middleton, N. Morrow, K. Sky, O. Smith, A. Smitheringale, P. Wade.

Department of Otolaryngology – Head Neck Surgery University of Toronto

Organizational Structure



Departmental Committee Reports



Executive Dr. P.J. Gullane

This is the senior advisory body to the Chair. In this capacity, it receives full reports from all standing committees and sub-committees. The Committee meets monthly. The Committee provides guidance to the Chair in all matters of the Department's activities. Minutes of these meetings are distributed to all Department members.

I wish to take this opportunity to acknowledge and thank the following individuals who have served on the Executive over the past year: Drs. Jennifer Anderson, Paolo Campisi, Joseph Chen, Vito Forte, Jeremy Freeman, Ralph Gilbert, Robert V. Harrison, Jonathan Irish, Ms. Vicky Papaioannou, Ms. Krista Riko, Drs. Richard Rival, Oakley Smith and Ian Witterick.

Your support to the Department's direction, mission and guidance is invaluable. I am indebted to your contributions and leadership.



Postgraduate Education Dr. I.J. Witterick

The postgraduate education program of our Department had another exceptional year with numerous accomplishments and successes as detailed in this report.

We have the largest and most comprehensive training program in Canada with significant depth covering all sub specialties within Otolaryngology – Head & Neck Surgery (HNS). Most of our core teaching faculty are recognized national leaders in Otolaryngology – HNS and many are considered international leaders. We have an extremely well-organized and comprehensive didactic and hands-on skills training to cover the depth and breadth of Otolaryngology – HNS. Once our residents have completed their training, they possess unique skills and unparalleled experience to enter community practice or pursue additional training for a career in an academic setting. Many of our residents and fellows go on to assume leadership roles in both academia and the community. Our research programs and support are innovative, comprehensive and award winning.

The Postgraduate Education Committee continues to function well with faculty representation from each major teaching site, a member from each resident year, and a representative from the fellows. The faculty representation and postgraduate site coordinators for each hospital were Dr. Ian Witterick – Mount Sinai Hospital and Saint Joseph's Health Centre, Dr. Ralph Gilbert – University Health Network, Dr. Blake Papsin – Hospital for Sick Children, Dr. Molly Zirkle – Saint Michael's

Hospital, Dr. Al Chiodo – Toronto East General Hospital, and Dr. Danny Enepekides – Sunnybrook Health Sciences Centre. The resident representatives were Dr. Janet Chung (PGY1), Dr. Eric Monteiro (PGY2), Dr. Sharon Morong (PGY3), Dr. Theresa Holler (PGY4), and Dr. Jane Lea (PGY5). The elected Chief Resident was Dr. Jane Lea until April, 30, 2010 followed by Dr. Ashlin Alexander whose term runs from May 1, 2010 to April 30, 2011. The fellow representative on the committee was Dr. Manish Shah. The residents and fellow on the committee take an active role in decision making for Postgraduate Education. The committee meets each month during the academic year to discuss important matters pertaining to residents' education including a discussion on rotations, common goals and objectives of the program and evaluations (resident, faculty, and rotation).

During this academic year there were 25 residents, and 18 clinical/research fellows. All three PGY5 residents were successful in passing the Royal College examination in Otolaryngology – Head & Neck Surgery in June 2010. Congratulations to Drs. Philip Lai, Jane Lea, and Randy Leung.

We continue to enjoy very strong interest in our program among medical students from across Canada. We attract the "best and brightest", our faculty and residents are to be commended for doing such an excellent job in showcasing our program to medical students. I am very thankful to the CaRMS selection committee this year that had the difficult task of selecting from amongst outstanding candidates applying to our program. I would like to welcome the five Canadian medical graduates (CMGs) who successfully matched to our program. These were Dr. Antoine (Tony) Eskander (University of Toronto), Dr. Vinay Fernandes (University of Toronto), Dr. Lukas Kus (Queen's University), Dr. Jennifer Wang (University of Toronto), and Dr. Xiao Zhao (University of Western Ontario).

DEPARTMENT OF OTOLARYNGOLOGY – HEAD AND NECK SURGERY

The CaRMS selection committee was made up of four faculty (Drs. Danny Enepekides, David Goldstein, Pat Gullane, and Ian Witterick), and two residents (Drs. Dustin Dalgorf and Jane Lea). In addition, we had six Multiple Mini Interview (MMI) stations run by faculty and fellows (Drs. David Ellis, Jacob Friedberg, Robert Harrison, Eng Ooi, Manish Shah, and Molly Zirkle).

Our curriculum consists of two years of core surgery training followed by three years of specialty training in University of Toronto teaching hospitals. There is a substantial program of didactic and practical skills courses arranged for residents during their five year residency. During the PGY1 and 2 years, residents attend the “Principles of Surgery” lecture series given weekly by the Department of Surgery. PGY2 residents take the Royal College “Principles of Surgery” exam in the second half of their year which is a pre-requisite to taking the final Royal College exam in Otolaryngology – HNS. In addition, PGY1 residents attend a weekly three hour Surgical Skills training course in the Surgical Skills Centre at Mt. Sinai Hospital. The curriculum covers the full range of basic surgical skills (airway management, suturing, bone plating, lasers, etc.). At the end of the program in the spring of each year, PGY1 residents undergo a practical skills assessment exam and are graded against residents in all of the surgical specialties.

PGY2 to 4 residents have protected academic time each Friday morning from 9:00 am to 12 noon for core lectures. This is a three year cycle of lectures given by faculty within our department and other departments as required. The lectures cover all aspects of Otolaryngology – HNS management as well as specific lectures on the CanMEDS roles. At the end of each block of lectures, residents write a three hour exam in the same format as the final Royal College exam.

PGY3 residents spend the equivalent of one month in the Department of Anatomy receiving didactic head and neck anatomy lectures and interactive seminars from Department of Anatomy Professors. Residents get the opportunity to dissect as well as teach first year medical students head and neck anatomy.

PGY5 residents participate in the Fellowship Study Course organized by our department from October to May each year. Residents are invited and encouraged to attend the multiple continuing education events organized by our department. Residents are encouraged to attend and present their research at scientific meetings related to Otolaryngology – HNS.

The six PGY4 residents attended the American Academy of Otolaryngology – Head & Neck Surgery annual meeting and were sponsored by our academic hospital departments to attend this meeting.

Our fellowship program is very strong with candidates coming to Toronto for postgraduate training from across the globe. Most fellows are sponsored by their home departments to come to Toronto to learn advanced training so they can return and further enhance their own departments. The clinical fellows in particular are seen as role models for residents, especially at the more junior levels. The fellows bring outside experience to enrich the training of our residents and as many internal and external reviews have shown, the fellows have a significant positive impact on our resident’s education.

The PGY1 mentorship program continues strongly with faculty and PGY1 residents meeting informally throughout the academic year. Both community and academic physicians representing diverse subspecialties spend an evening with residents discussing their thoughts on career choices. The PGY1 residents have found this program to be very beneficial.

Our program continues to have numerous written practice and oral examinations carried out during the academic year and our residents continue to perform at the highest level in the National In-Training examination each year. This year, the new coordinator Dr. Dominique Dorion switched the National In-Training exam from a paper based exam to an electronic format. The PGY3 – 5 residents writing the exam had their papers marked and compared with other residents across the country. PGY1 and 2 residents were allowed to write the exam but it was not marked globally. Any resident who wrote the exam received a set of answers so that they could use this as a study guide.

Residents continue to log their operative cases and clinic time in the University of Toronto’s Postgraduate Web Evaluation and Registration (POWER) software. We now have very accurate five-year data on the case mix our residents are involved with over the course of their residency.

We continue to have excellent Grand Rounds, Journal Clubs and weekly hospital based rounds. A special thanks to Dr. Vito Forte for coordinating the Grand Rounds schedule and Drs. David Goldstein and Adrian James for organizing Journal Clubs. These are high-quality educational experiences for our residents and fellows.

Our Department organizes a large number of first-class practical skills sessions for residents each year including temporal bone drilling sessions, courses in soft-tissue dissection, rhinoplasty, laryngeal framework surgery, and facial plating. Two of our residents also attended the sinus surgical dissection course for Canadian Otolaryngology-HNS residents in Winnipeg this year. In addition, all of our PGY1 residents are sponsored to attend an advanced trauma life support (ATLS) course held at St. Michael’s Hospital each year.

We had another very successful Percy Ireland Annual Academic Day with outstanding presentations by our residents and fellows as detailed elsewhere in this annual report. It was very difficult for the judges to pick the winners from amongst the excellent research papers presented.

Dr. Robert Harrison continues to do an admirable job mentoring our residents during their four-month research block in PGY2. He has fostered an atmosphere of scholarly activity and organizes a first-rate research evening in the fall each year where clinical and basic science researchers within our department give a brief synopsis of their work. This is a superb opportunity for residents, fellows, and faculty to keep abreast of the numerous research endeavors taking place within our department. A large number of residents presented their research work at scholarly national and international meetings as detailed elsewhere in this report.

Dr. John de Almeida (PGY4) won the *Joseph M. West Family Memorial Fund* awarded by the Postgraduate Awards Committee of the Faculty of Medicine for the 2009-2010 academic year.

Dr. Raewyn Seaberg (PGY4) won the North American Society of Head and Neck Pathology (NASHNP) best poster presentation for a resident at the 99th USCAP annual meeting in Washington DC. Her poster was titled “t (11:19) Translocation in Mucoepidermoid Carcinoma”.

Dr. Artur Gevorgyan (PGY3) was awarded the 2009 American Society of Maxillofacial Surgeons (ASMS) Best Paper Award in the Best Research Category for his paper titled “*Radiation-Induced Cranoifacial Bone Growth Inhibition: In Vitro Cytoprotection in the Rabbit Orbitozygomatic Complex Periosteum-Derived Cell Culture*”.

The core lecture series in the next academic year will focus on facial plastic surgery and head and neck oncology as well as many of the CanMEDS roles. We will continue to have the three week block of audiology lectures with separate lectures given to each resident level.

It was with sadness that Ms. Ursula Stephenson, our Department’s Postgraduate Education Administrator for the last twenty-two years, announced her retirement. Several retirement parties were held for Ursula with her colleagues, family and friends in attendance. We wish Ursula all the best in her retirement. We were fortunate to hire Ms. Sandra Kellogg as the new Postgraduate Education Administrator. Ms. Kellogg has significant knowledge and depth in postgraduate education and we welcome her to the Department.

Also this year, Dr. Sarita Verma, Vice-Dean for Postgraduate Medical Education, stepped down from this role. Dr. Verma did an outstanding job and we welcome Dr. Sal Spadafora as the new Vice-Dean for Postgraduate Medical Education.

I am indebted to our faculty who give so much of their time, energy and efforts to educate our residents and fellows. They are the backbone of our department and show such a high degree of collegiality, professionalism, and clinical skill. I am especially indebted to Dr. Patrick Gullane, who has shown unwavering support and guidance in our efforts to make this one of the best Otolaryngology – Head & Neck Surgery training programs in North America.



Undergraduate Medical Education **Dr. P. Campisi**

I wish to thank all of the faculty members that contributed to the teaching of undergraduate students in the Arts and Science of Clinical Medicine II and Otolaryngology 300 courses. A special acknowledgment is extended to Drs. Tony Eskander and Jenny Wang for their excellent work on the otolaryngology course syllabus and to Modupe Oyewumi (1T1) as course representative and student advocate.

The academic year was once again skillfully managed by the Undergraduate Committee members: Drs. D. Brown, Y. Chan, K. Higgins, A. Vescan and M. Zirkle who were Academy site coordinators, Alice Forbes served as administrative assistant, and V. Papaioannou represented the Division of Audiology.

For the 2010-2011 academic year, we welcome two new site coordinators, Dr. J. Davidson (Peters-Boyd Academy) and Dr. A. Chiodo (Fitzgerald Academy) and Ms. Susan Druker, representing the Division of Audiology. Dr. Chiodo will be replacing Dr. Molly Zirkle as she has been appointed the new Director of the Fitzgerald Academy effective July 1, 2010 – Congratulations Molly!

The Undergraduate Committee is looking forward to the 2010-2011 academic year to usher in a new curriculum at the pre-clerkship and clerkship levels. The clerkship course has been restructured to improve the student to faculty ratio across Academies. Students will now be integrated into the house staff team to provide a true clerkship experience with less time in seminars. Seminars will now be administered to students at the pre-clerkship level as our department has received more time within the second year curriculum.



Continuing Education Dr. I.J. Witterick

Our Department is a leader in the delivery of high quality, interesting, and interactive continuing education (CE) programming geared towards community and academic otolaryngologists. We remain committed to the delivery of excellent CE programs for community and academic otolaryngology – head & neck surgeons. We are indebted to all of the members of the department who give freely of their time and energy to organize such excellent courses and visiting lectureships.

Our Grand Rounds include presentations from residents, fellows, community and academic faculty, guest speakers and visiting professors. Dr. Vito Forte has done an outstanding job in coordinating Grand Rounds on Friday mornings from 7:30 – 8:30 am during the academic year.

Courses Organized

On July 6-7, 2009, Dr. Ralph Gilbert was instrumental in organizing the “*Microvascular Head & Neck Reconstruction Course*” in the Surgical Skills Centre at Mount Sinai Hospital. This course drew an international audience and sold out in a matter of days. Participants had hands-on experience in head and neck reconstruction and microvascular free flap surgery from world leaders. Drs. Patrick Gullane, Ralph Gilbert, Alexis Rapides, and Ian Witterick helped in the organization and the guest faculty included Drs. James Brow, Doug Chepeha, Stefan Hofer, Sat Parmar, Hadi Seikaly, and John Yoo.

On October 14 – 16, 2009, Drs. Adrian James and Neil Bailie organized another very successful “Temporal Bone Dissection Course”. Dr. John Niparko from Johns Hopkins University was the visiting professor.

On February 5, 2010, Drs. Paolo Campisi and Vito Forte organized a very successful “Paediatric Endoscopy Course”. Guest faculty included Drs. Peter Koltai, Cengiz Karsli, David Manson and Mr. Marvin Estrada.

On February 6, 2010, Drs. Al Chiodo, Richard Rival and Ian Witterick organized the “*8th Annual Otolaryngology Update 2010 and the OMA Annual Otolaryngology – Head & Neck Section Meeting*” with Drs. Peter Koltai and Peter Vadas as guest faculty. This annual event draws nearly 150 otolaryngologists from across Ontario and some from other provinces.

On April 10, 2010, Dr. Robert A. Sofferman conducted a head and neck ultrasound workshop for our faculty and fellows consisting of lectures and hands-on practical sessions organized by Dr. Jeremy Freeman.

On April 24th, 2010, Dr. James Haight organized a very thoughtful course on “*Obstructive Sleep Apnea*” with Dr. B. Rotenberg as guest faculty.

On May 21, 2010, members of our faculty including Drs. Ralph Gilbert, Patrick Gullane, and Jonathan Irish were members of the Program Committee in organizing the *12th Annual Wharton/Elia Day*, titled “*Innovation, Quality & Safety in Head & Neck Cancer Treatment*” with Drs. Avraham Eisbruch, Thomas P. Conrads and Eric Genden as guest faculty.

On June 10 – 11, 2010, Drs. Joseph Chen and Vincent Lin organized an outstanding “Temporal Bone & Otosurgical Course” with Dr. Sumit Agrawal as guest faculty.

In addition to the above courses, our Department was involved in the organization of two international courses which took place in Toronto over the summer of 2009. The first was the “*Second World Congress of the International Academy of Oral Oncology (IAOO) – Oral Oncology: Imagine the Future*”. There were approximately 1,000 attendees who came to Toronto to learn the latest advances in the management of oral oncology from world leaders. The Toronto leadership included Dr. Patrick Gullane (Program Chairman), Dr. Ralph Gilbert (Scientific Committee Co-Chairman) and Dr. Ian Witterick (Chairman Local Organizing Committee).

On August 6 – 10, 2009, approximately 800 attendees from across the globe came to Toronto to attend the “*World Congress on Thyroid Cancer*”. Toronto leadership included Drs. Jeremy Freeman and Ian Witterick who were part of the steering committee for this important congress.

Visiting Professors/Lecturers to the Department

On October 23, 2009, Mr. Andrew J. Maguire from Dublin, Ireland gave an interesting lecture on “*Face to Face: Otolaryngology and Facial Plastic Surgery*”.

On October 30, 2009, Dr. Rocco Gerace, Registrar of the College of Physicians and Surgeons of Ontario and Professor in the Department of Medicine, Division of Emergency Medicine, at the University of Western Ontario gave a stimulating lecture titled “*The Role of the Registrar and Important Updates from the CPSO*”.

On November 6, 2009, Dr. Keith S. Heller, Professor and Chief of Endocrine Surgery, New York University School of Medicine, New York, gave an inspiring Grand Rounds lecture on *"The Treatment and Prevention of Persistent Hyperparathyroidism following Parathyroidectomy – How Important is Intraoperative PTH Measurement"*.

On January 15, 2010, Dr. Carsten E. Palme, a graduate of the University of Toronto's Head & Neck Oncology Fellowship and Specialist Surgeon, Otolaryngology – Head & Neck Surgery, Westmead Hospital, University of Sydney, Westmead, Australia was the first "Chris O'Brien Travelling Fellow". His lectured titled *"Transoral Laser Microsurgical Resection of Early Vocal Cord Carcinoma"* was excellent. He went on to give a very motivating lecture and case based presentations for our residents.

On January 29, 2010, Dr. Akinobu Kakigi, from the Department of Otolaryngology, Faculty of Medicine, University of Tokyo, Tokyo, Japan gave a lecture on *"Vestibular Function of a New Animal Model for Meniere's Disease"*.

On February 5, 2010, Dr. Peter J. Koltai, Professor and Chief, Division of Pediatric Otolaryngology, Stanford University School of Medicine, Stanford, CA, gave a thought-provoking lecture on *"The Management of Congenital Tracheal Stenosis"*.

On February 11, 2010, Dr. Jochen A. Werner, Professor and Chairman, Department of Otolaryngology – Head and Neck Surgery, Philipps University of Marburg, Germany gave the 2nd Head and Neck Cancer Foundation lecture titled *"Treatment of Voluminous Vascular Malformations of the Head and Neck"*. The following morning he gave Grand Rounds titled *"Laser Surgery in Head and Neck Cancer"*.

On February 19, 2010, Dr. Keiko Hirose, Associate Professor, Department of Otolaryngology – Head and Neck Surgery, Division Director, Pediatric Otolaryngology, Washington University, School of Medicine, St. Louis, MO, presented a very insightful Grand Rounds lecture titled, *"Cochlear Inflammation and Hearing Preservation: Looking to the Future"*.

On March 5, 2010, Dr. Donald Hayes, Ph.D., Director of Audiology at Unifon, Ltd., Kitchener, gave a very interesting Grand Rounds titled *"uHear Portable Hearing Screening Application for iPhone and iPod Touch"*.

On March 25, 2010, Dr. Robert M. Kellman, Professor and Chair, Department of Otolaryngology & Communication Sciences, State University of New York Upstate Medical University, Syracuse, New York, gave an outstanding lecture titled *"Lingering Controversies in the Management of Frontal Sinus and Skull Base Injuries"*. On March 26, 2010, he gave Grand Rounds titled *"Endoscopic Approaches in Facial Trauma"*.

On April 8, 2010, Dr. Robert A. Sofferman, Professor of Surgery, Department of Otolaryngology – Head & Neck Surgery, University of Vermont School of Medicine gave the 8th Annual Binstock University of Toronto Mt. Sinai Hospital Lecture in Head & Neck Oncology titled *"The Pursuit of Excellence"*. The following day on April 9, 2010 he gave a University Grand Rounds titled *"Gadgets in Head and Neck Surgery"*. On Saturday, April 10, 2010 Dr. Sofferman conducted a head and neck ultrasound workshop.

On April 16, 2010, Dr. Manohar Bance, Professor Department of Surgery, Acting Head Division of Otolaryngology, Dalhousie University, gave the 2nd Annual David Tomlinson Lecture titled *"Personalized Otolaryngology"*.

On April 21, 2010, Dr. Kenneth R. Chapman, Professor of Medicine, University of Toronto and GSK-CIHR Research Chair in Respiratory Health Care Delivery Director, Asthma & Airway Centre gave a stimulating lecture on the *"United Airways Management – Asthma and the Upper Airways"*.

The Percy Ireland Visiting Professor, (May 6-7, 2010) was Dr. Robert L. Ferris, Vice-Chair for Clinical Operations, Department of Otolaryngology – Head and Neck Surgery, University of Pittsburgh. His Percy Ireland oration was titled *"Biological and Immuno-Therapies for Head and Neck Cancer: What's a Surgeon to Do?"*

On June 11, 2010, Professor George G. Browning, University of Glasgow, Scotland gave an excellent lecture on evidence based medicine titled *"Some Wild but Reasoned Otolaryngological Thoughts"*.

Many of our visiting professors met with our residents to discuss case based presentations; these sessions are very popular and are an excellent learning opportunity.

International Continuing Education

Dr. Arnold Noyek continues to be active in international continuing education with the Canada International Scientific Exchange Program (CISEPO). This is an international co-operation network of researchers, educators, doctors, medical and public health specialists and allied health professionals. Their core objective is to bridge the Arab and Israeli frontier through cooperative health initiatives in the Middle East. The hope is to build essential trust and competence across cultures and borders. Dr. Noyek and his "team" use cutting edge international video teleconferencing, delivering on-going cooperative, highly interactive, distance educational medical rounds through the University of Toronto continuing education accredited auspices and under the banner of the Peter J. Silverman Global eHealth program. Dr. Noyek is the Director of International Continuing Education for the Faculty of Medicine at University of Toronto.

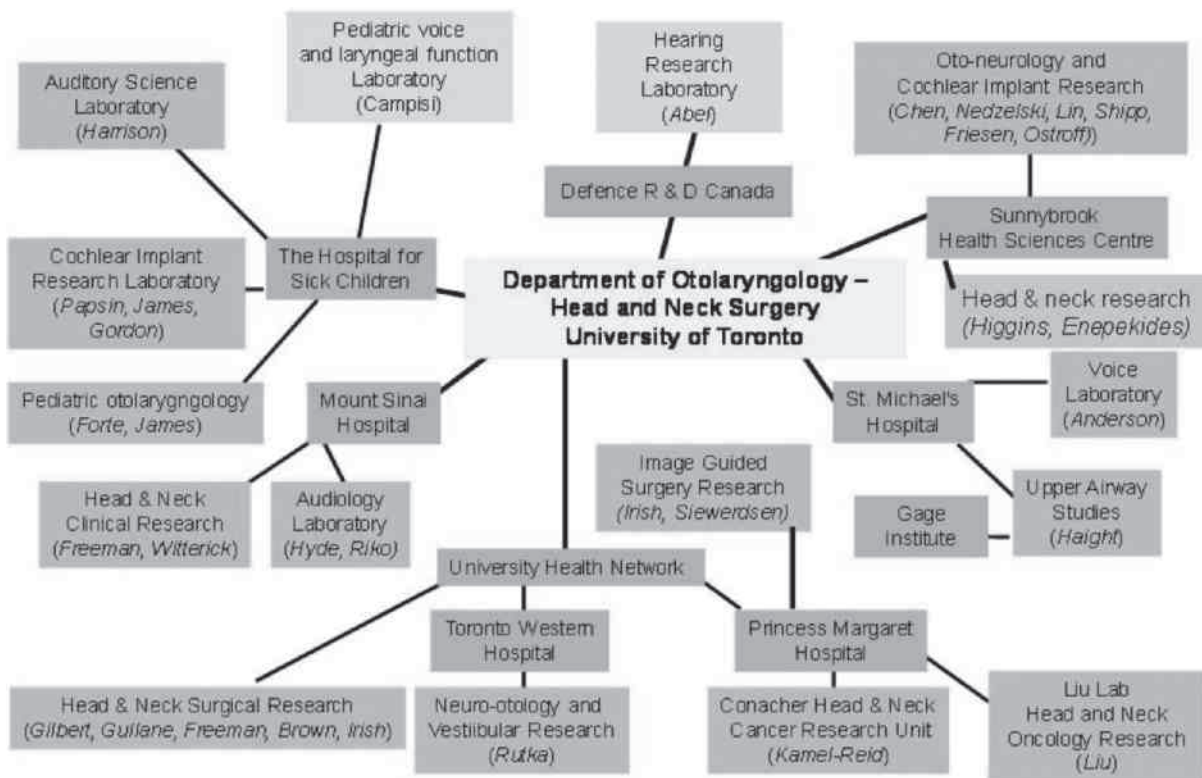


Research Dr. R.V. Harrison

Within the department we have clinicians, clinician –scientists and basic scientists who are involved in a broad range of research projects covering almost every aspect of Otolaryngology – Head and Neck Surgery. Clinical research is carried out by otolaryngologists in their various areas of specialty and often in collaboration with other healthcare professionals. We also have within the department full-time scientists whose interests include vestibular and auditory sciences, laryngeal function, upper airway physiology, endocrinology, and the molecular biology of head and neck cancer. Much of the research, whilst initiated and guided by staff, is carried out by various trainees and technologists whose efforts are very much appreciated.

Our research committee is structured to represent all the clinical and research areas in the department. The committee work is largely carried out on-line, and meets on an *ad hoc* basis. The present committee is chaired by Bob Harrison. Representing both basic science and clinical research in the area of head and neck oncology are Suzanne Kamel-Reid, Fei-Fei Liu, Jonathan Irish and Ralph Gilbert. Upper airway biology is represented by Jim Haight. On the otological side, Sharon Abel, Blake Papsin, and Karen Gordon speak for auditory and vestibular sciences.

An overview of the research groups with the Department of Otolaryngology – Head and Neck Surgery



HEARING AND VESTIBULAR RESEARCH

Basic and applied auditory research has always been a major strength of our Department. Bob Harrison directs the Auditory Science Laboratory at The Hospital for Sick Children, and Adrian James is actively involved in the lab. Harrison's Lab is closely associated with the Cochlear Implant Lab at SickKids which is led by Blake Papsin (holder the Cochlear Corporation Research Chair) and by Karen Gordon. The cochlear implant group has developed significant collaborations other research teams, including the UHN based vestibular research group led by John Rutka, as well as with psychology (Sandra Trehub), Genetics (Tracey Stockley) and Medical Imaging (Susan Blaser). Sharon Abel, now at Defence R&D Canada, continues important research in applied hearing problems especially as they apply to the military. At Sunnybrook Health Sciences Centre, the (adult) Cochlear Implant Research team (Julian Nedzelski, Joe Chen, Vincent Lin, David Shipp, and Lendra Friesen) continues to explore otological issues as they apply to hearing impairment. Importantly, Vince Lin has established a new inner-ear research laboratory, moving our department into an important new scientific area relating to haircell degeneration and regeneration. An important new development for this year has been the success with obtaining a CIHR Team Grant to study the "Development and Aging of Binaural Hearing". This was a special initiative led by Bob Harrison involving four teams within Otolaryngology (working out of both SickKids and Sunnybrook Health Sciences Centre), specifically Drs. Karen Gordon, Adrian James, Vincent Lin and Lendra Friesen, as well as one member of the Department of Physiology, Dr. Lu-Yang Wang.

HEAD AND NECK SCIENCES

Closely associated with our department are two basic head and neck cancer research labs directed by Suzanne Kamel-Reid and Fei-Fei Liu respectively. In these labs, scientists work closely with many of our clinicians (Pat Gullane, Jeremy Freeman, David Goldstein, Jon Irish, Ian Witterick and Dale Brown) in research relating to cancer of the head and neck, including squamous cell carcinoma and nasopharyngeal cancer. A major research focus at Mt. Sinai hospital led by Jeremy Freeman (in close collaboration with Paul Walfish and Suzanne Kamel-Reid) is in endocrine and salivary gland disorders. Another active scientist within our department, Dr. Ranju Ralhan continues innovative work with colleagues at Mt Sinai. Also on the "head and neck" side, many members of our department are involved in the research and development of new surgical techniques including image-guided surgery (Jonathan Irish), endoscopic sinus surgery (Ian Witterick) and novel micro-vascular surgery and tissue engineering (Ralph Gilbert). At the Sunnybrook Health Sciences Centre, Kevin Higgins and Danny Enepekides also continue productive research in areas related to head and neck surgery.

UPPER AIRWAY AND LARYNGEAL RESEARCH

A strong tradition of studies on upper airway physiology was pioneered by the late Dr. Phil Cole. Work in this area, especially relating to sleep apnea, continues on by Jim Haight. Jennifer Anderson adds a clinical research dimension on laryngeal function and voice at St. Mikes. At the Hospital for Sick Children, Vito Forte also continues novel, applied studies on the upper airway in children, and Paolo Campisi heads up a productive research team in the Centre for Pediatric Voice and Laryngeal Function.

RESEARCH TRAINING

The basic science labs associated with our department are training numerous Master's and Doctoral level students. They also help to accommodate research fellows in otolaryngology, and allow residents to get exposure to and involvement in research. We have developed a useful system for having all residents take a short research rotation (in PGY2). For those with a real interest, there is an opportunity to take 12 months out of clinical training to do a Master's in the Surgeon-Scientist program (administratively we "piggy-back" on to the Department of Surgery's program).

RESEARCH PRODUCTIVITY

Numerically, we are a relatively small University Department (with about 45 professorial staff, 25 lecturers, and 25 cross appointees); however our academic performance in terms of research publications and research grant success has been excellent. Certainly we rank very highly when compared *pro rata* with other clinical departments in the Faculty of Medicine, and we are outstanding compared with Departments of Otolaryngology – HNS worldwide. In many research areas we continue to have a strong international reputation of which we can be very proud.



Audiology

Ms. K. Riko and Ms. V. Papaioannou

The Audiology Committee continues to play an active role in research, undergraduate and postgraduate education, and continuing medical education within the Department. With respect to education, members of the Audiology Committee provided audiology teaching as part of the Otolaryngology curriculum for the undergraduate medical students. They also participated in the second year of a new curriculum format used for the core teaching program where the residents receive lectures specific to their post-graduate year and which build upon their experiences from the previous year. On January 15, 2010 Don Hayes presented at Grand Rounds on behalf of the Audiology Committee. His state of the art presentation described uHear, a unique hearing loss screening test application available for download to the iPhone and iPod touch.

The Audiology Committee held its annual meeting at Mount Sinai Hospital. Matters of mutual interest such as content of the undergraduate and core lecture series as well as the development of an Audiology program at the University were discussed.

The Audiology Committee members for the 2009-2010 academic year were:

Hospital for Sick Children

Bonnie Bliss
Susan Druker
Karen Gordon
Gina Goulding
Laurie MacDonald
Vicky Papaioannou (Co-chair)

Mount Sinai Hospital

Ida Bennett
Krista Riko (Co-chair)
Nadia Sandor
Dana Storms
Eloise Thurier
Erica Wong

St. Michael's Hospital
Dolly Mathews

Sunnybrook Health Science Centre
Julija Adamonis
Marlene Cashman
Lendra Friesen
David Shipp
Kari Smilsky



Promotions Committee **Dr. R.V. Harrison**

The role of our Promotions Committee is to assess and recommend candidates to the Chair of the Department and to Dean of the Faculty of Medicine. Our committee does not award promotion, but decides who is eligible for consideration by the University Decanal Committee. We also assist the candidate to prepare documents, and co-ordinate the (external and internal) peer review process. Our committee reflects the full spread of sub-specialty interests in Otolaryngology – Head and Neck Surgery, and all are at the rank of full professor. Currently, the members of our promotions committee are: Bob Harrison (chair), Peter Adamson, Vito Forte, Pat Gullane (ex officio), Jonathan Irish, Blake Papsin and John Rutka.

For all academic staff at the University of Toronto, an important goal is to “move-up through the ranks”. In a clinical department such as ours, promotion is most often not just based on research findings and the number of papers published, but rather on a range of contributions to academic Otolaryngology. This includes excellence and innovation in healthcare, contributions to training the next generation of clinicians and scientists, and a sustained period as a clinical role-model.

Promotion to associate professor or to full professor is no longer just a matter of course, but requires a clear and sustained commitment to the academic goals and the mission of our Department and of the University.



Departmental Appointments Committee (DAC) **Dr. J.C. Irish**

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

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

The DAC provides advice to the Chair and Hospital Chief regarding all initial part time and full time appointments, all adjunct appointments and conducts a performance review of all Full-time academic appointments at the end of the probationary period. The following faculty serve on the DAC: Jonathan Irish (Chair), Peter Adamson, Jennifer Anderson, Vito Forte, Jeremy Freeman, Ralph Gilbert, Patrick Gullane (ex-officio), Robert Harrison, Joe Chen and Krista Riko. The Committee is active and has two planned meetings per year (November and February) with other meetings scheduled as necessary.

This year the DAC advised the Department Chair that the recruitment of Dr. Sharon Cushing to a Full

Time appointment at the rank of Assistant Professor effective September 1, 2010 met the standards of the University of Toronto. The DAC also provided advice to the hospital Chiefs on long term recruitment prospects. There has been significant discussion on the minimum requirements of faculty activity (teaching and research) that should be required in order to maintain a faculty appointment. There have been faculty where, in the opinion of the DAC, the standards have not been satisfied and recommendations have been made not to renew faculty appointments.



Budget Advisory Dr. P.J. Gullane

The Budget Committee meets annually. As in previous years, the budget reduction in University funding has challenged this Committee. The Chair appreciates and acknowledges the supporting guidance provided by its members including Drs. Jennifer Anderson, Joseph Chen, Vito Forte, Jeremy Freeman, Ralph Gilbert, Robert Harrison and Ian Witterick.



Community Academic Faculty Dr. R. Rival

The Community Academic Faculty continues to play an active role in all levels of education and in research within the department. At the undergraduate level, the majority of our faculty take part in clinical teaching at their respective hospitals and or private offices. Our members are also involved in the Arts and Science Medicine Program both at the clinical teaching and examiner levels. As the medical school expands to the Mississauga campus we expect our members to be involved in teaching there.

The members of the Community Academic Faculty continue to play an active and increasing role in post graduate teaching. The Toronto East General Hospital rotation is a regular part of the curriculum and is highly rated by all residents that come through. The PGY3 residents continue to spend time at North York General and St. Joseph's Health Centre. The Facial Plastic Surgery rotation has been highly rated by residents. PGY4 residents have spent time on this rotation with Drs. Adamson, Ellis, Conrad, Rival and Solomon. The Community Academic Faculty continues to be involved in elective rotations throughout the year.

World-renowned fellowships in Facial Plastic Surgery continue to be offered under the guidance of Drs. Adamson, Ellis and Conrad. Dr. Haight through his work at the Upper Airway's Laboratory at St. Michael's Hospital, Mount Sinai Hospital and the Gage Research Institute provide an excellent opportunity for research fellows.

Our faculty continues to be involved in the provision of continuing medical education for the community Otolaryngologists. Through our quarterly rounds during the academic year we were able to sponsor excellent lectures, providing community Otolaryngologists valuable hours for maintenance of certification for the Royal College. We sponsored and provided the 8th Annual Otolaryngology Update in February of 2010. This was again an extremely well attended meeting and highly rated by all of those that attended. Our faculty has been involved in many CME events and courses including the endoscopic sinus surgery and rhinoplasty course for the residents. The Community Academic Faculty at Toronto East General Hospital, North York General Hospital, St. Joseph's Health Centre and Markham Stouffville Hospital continue to present quarterly community Otolaryngology grand rounds at the University.

The Community Academic Faculty continue to make strong contributions to both clinical and basic science research with numerous publications, invited lectures and visiting professorships.

The *Distinguished Alumnus Award* this year was presented at Percy Ireland Day. This Award is presented to an alumnus of the University of Toronto Otolaryngology – Head and Neck Surgery and whose professional and ethical standard have been of the highest order. This year's award was presented to Dr. Ian Witterick.

Report from the Division of Facial Plastic and Reconstructive Surgery



Dr. P. Adamson

Our Division of Facial Plastic and Reconstructive Surgery has enjoyed a solid year of academic accomplishments, both as a Division and as individuals. Academic contributions by individual faculty members of the Division are listed elsewhere in this report.

On December 11, 2009 we had our first Soft Tissue Dissection Course for our residents using pork bellies. On May 17, 2010 we had our second Rhinoplasty Cadaver Dissection Course for PGY4s. Both were well attended by faculty and facial plastic surgery fellows and were well received by the residents. These courses will become traditional teaching events for our subspecialty.

We also enjoyed hosting our annual facial plastic surgery Visiting Professor on March 25 and 26, 2010. Dr. Robert M. Kellman, Professor and Chair, Department of Otolaryngology and Communication Sciences, SUNY Health Science Center at Syracuse, shared his interest and expertise in craniofacial and skull base surgery. His presentations included Lingering Controversies in the Management of Frontal Sinus and Skull Base Surgeries, and Endoscopic Approaches in Facial Trauma.

This year we added Dr. William Middleton as a member of our Division, and we now have a total of 10 faculty. On behalf of our Division and Department, I would like to express my gratitude to each of them for

their academic contributions to our mission.

This academic year will also see the introduction of specific PGY4 rotations in facial plastic and reconstructive surgery. Our faculty is looking forward to this opportunity to enhance both basic and advanced knowledge in our field.

Report from the Division of Head and Neck Oncology



Dr. R. Gilbert

Membership: Drs. Ralph Gilbert (Director), Dale Brown, Jean Davidson, Danny Enepekides, Jeremy Freeman, David Goldstein, Patrick Gullane, Kevin Higgins, Jonathan Irish, Ian Witterick and Allan Vescan.

The Division of Head and Neck Oncology at the University of Toronto continues to have a very productive clinical and academic program. The program is based on three sites, the Princess Margaret Hospital UHN site, the Mount Sinai Hospital PMH affiliated Site, and the Sunnybrook Odette Cancer Centre site.

The Division has an extremely active fellowship program with seven clinical head and neck fellowships shared among the three institutions and an American Head and Neck Society advanced training fellowship program which matches up to four fellowship candidates per year. The current distribution of fellowship candidates is one at the Mount Sinai site, one at the Sunnybrook site and four clinical fellows at the UHN/PMH site and one research fellow in the Guided Therapeutics Program. The particular focus of the program at the Mount Sinai Hospital is in the area of endocrine surgery and skull base surgery. The Mount Sinai endocrine program is one of the largest in the world in terms of both the clinical volume and academic productivity. The endoscopic skull base program with our two internationally known endoscopic skull base surgeons Drs. Witterick and Vescan collaborates with the neurosurgeons at the Toronto Western Hospital site of the University Health Network in performing complex endoscopic

skull base surgery. The University Health Network PMH site has Canada's largest multidisciplinary program providing comprehensive head and neck oncology services to a broad spectrum of diseases, including oral cavity, oropharynx, larynx, skin and melanoma and endocrine surgery. The group also has a reconstructive focus with a significant experience in microvascular reconstructive surgery. The Sunnybrook Odette site provides multidisciplinary head and neck services to the complete spectrum of clinical problems in head and neck surgery with Drs. Enepekides, Higgins and Davidson and also has a major interest in reconstructive microsurgery

The Division of Head and Neck Oncology at the University of Toronto Department of Otolaryngology – Head and Neck Surgery has regular meetings to address issues from strategic vision to planning of services and education. There is an extremely robust fellowship education program which crosses all three of the clinical sites within the Division. The program in general has an international impact and profile.

Notable honours in the last year are Dr. Gullane receiving the Order of Canada for his contributions to the treatment of patients with head and neck cancer and his continuing development of the specialty of otolaryngology – head and neck surgery. Dr. Irish was appointed the Provincial Head of Surgical Oncology for Cancer Care Ontario. This would be the first appointment of an otolaryngologist to such an important position in the administration of cancer care in a province in Canada. Dr. Brown is the President-Elect of the Canadian Society of Otolaryngology – Head and Neck Surgery.

The faculty has been involved in a number of unique continuing education and international programs. Notable among these have been the First World Congress on Thyroid Cancer with Drs. Freeman and Witterick providing significant leadership in the development of this very unique and international program. Drs. Gullane and Gilbert were involved in the Second World Congress of the International Academy of Oral Oncology and provided co-chairing responsibilities for that program. The Department held its first Microvascular Head and Neck Reconstructive Course with involvement of the entire academic faculty with an interest and expertise in head and neck reconstructive microsurgery. The Division has a continuing role in the Annual Current Concepts in Head and Neck Surgery, a combined program with Memorial Sloan-Kettering, MD Anderson and University of Toronto. For the upcoming year, Drs. Gullane, Gilbert and Enepekides will be involved in the program at the MD Anderson Hospital. The University of Toronto will be the site for one of the upcoming meetings in this annual review of head and neck oncology. A number of members of the Division have been invited speakers and involved in international continuing education programs.

Dr. Gullane received an honorary fellowship with the Royal College of Surgeons of England in January 2010 and in addition gave the Sir Peter Freyer Memorial Lecture at the Galway Medical School in Ireland. Dr. Gilbert gave the keynote lecture at the British Association of Head and Neck Oncologists in London in April 2010 and will be involved in the International Federation of Head and Neck Oncologic Societies (IFHNOS) World Tour Program as one of the traveling faculty.

On the research side, the Division continues to be extremely productive with significant research activity at all three sites. The Mount Sinai group, has an international profile in outcomes research and basic science in endocrine oncology. There is a very robust basic science program in collaboration with Dr. Paul Walfish and the group maintains a high quality prospective dataset database that allows for major contributions to the field of endocrine oncology. Particularly at the Mount Sinai site, Dr. Vescan is working on a virtual model of endoscopic surgery to assist in the performance of endoscopic skull base surgery.

At the UHN site, Dr. Goldstein heads the surgical research group for the UHN/PMH Surgical Oncology site. The UHN/PMH program has a philanthropically and peer review funded Multidisciplinary Translational Research Program incorporating research in the molecular basis of head and neck cancer across the various disciplines involved in treating patients. Dr. Irish is actively involved in providing leadership in the guided therapeutics program with the development of an integrated research program along with the development of interventional operating rooms both at the Toronto General and Toronto Western sites. Drs. Higgins and Enepekides continue to be extremely productive in outcomes-based research relating to their experience in treating head and neck patients at Sunnybrook and are particularly focused on a clinical trial involving the use of PET CT.

In summary, the Division of Head and Neck Oncology at the University of Toronto, continues to be extremely productive on a local, regional, national and international level providing high quality patient care in its three programs along with a fully integrated clinical and research fellowship program and a world class research program.

Laboratories



Auditory Science Laboratory Hospital for Sick Children, McMaster Building Director: Dr. R.V. Harrison

A wide range of research techniques are employed in the lab to explore the structure and function of the auditory system. These include auditory evoked potentials; single neuron recordings from auditory midbrain and cortex, and otoacoustic emissions. In our anatomical studies techniques include inner ear histology; immuno-histochemistry; electron microscopy; brain morphometry; and neural tracer studies.

Basic science trainees in the laboratory over the past year include Trecia Brown, who has successfully completed and defended her PhD thesis on the development and programming of the auditory cortex. Well done Dr. Brown! Also working hard over the past year is Lisa D'Alessandro, who is making good progress on her PhD studies on neural plasticity in the auditory midbrain. Jaina Negandhi, is our laboratory research coordinator and technologist, and she is also at work on a Master's thesis through the Department of Physiology, looking at auditory brain activity levels after conductive hearing loss using c-fos labeling methods. Jaina, has for much of the past year, been at home on maternity leave and we can congratulate her on the arrival of a son, Aarav in October 2009.

In addition to the above mentioned projects, over the past year other studies that have been carried out include contralateral modulation of otoacoustic emissions (with Adrian James), and ABR studies in various mouse models of disease (with Vincent Lin). Also working in the lab over the summer, an enthusiastic "health science" student Brittany Harrison. In addition to the basic, laboratory based research projects we have active collaboration with the Cochlear Implant Research Lab directed by Blake Papsin and Karen Gordon, and also the Centre for Voice and Laryngeal Function directed by Paolo Campisi.

Our research findings have been published in a range of basic science and clinical journals. In addition we have presented our recent findings and new data at local seminars and at various national (Ottawa) and international (Germany, India) research meetings. Our research funding has come from CIHR and from the Masonic Foundation of Ontario. Of some significance, this year the Auditory Science Laboratory, along with four other research teams were successful in obtaining a CIHR Team Grant to study "The Development and Aging of Binaural Hearing". This was a special initiative from five members of our department, specifically Drs. Karen Gordon, Adrian James, Vincent Lin and Lendra Friesen, as well as one member of the Department of Physiology, Dr. Lu-Yang Wang. The team is working out of both SickKids and Sunnybrook Health Sciences Centre.

The Auditory Science Laboratory has had a productive year, thanks to the hard work by all members.



Cochlear Implant Laboratory The Hospital for Sick Children Dr. B.C. Papsin and Dr. K. Gordon

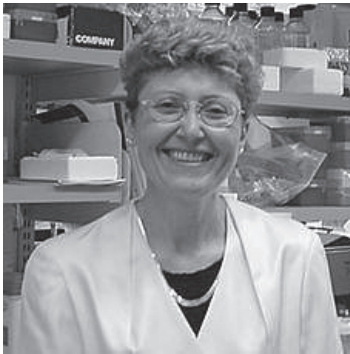
The Cochlear Implant Laboratory at the Hospital for Sick Children continues to investigate auditory development and plasticity. We ask: 1) what aspects of auditory development are arrested by hearing loss; 2) what changes in the auditory system occur during the period of deafness; and 3) to what extent can auditory plasticity and development be promoted by cochlear implant use? We are also interested in cochlear implant design which seeks to improve the comfort and resilience of the device as well as to preserve residual hearing. Our work is supported by research funding from the Canadian Institutes of Health Research and the SickKids Foundation along with the Cochlear 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 Jerome Valero, our Research Project Co-ordinator, Stephanie Jewell, our Research Project Assistant, Dr. Talar Hopyan, a post-doctoral fellow, and several graduate students. Daniel Wong, who successfully defended his Master's degree thesis in March 2008, is now working on his PhD research project. We also welcomed Salima Jiwani, who graduated from the Audiology program at Dalhousie University in 2009 and joined the lab in January 2010 as our newest PhD candidate. We have recently said farewell to Claire Salloum and Sho Tanaka who both successfully defended their M.Sc. theses this year. Claire is now working as a Research Assistant at the University of Toronto and Sho is beginning medical school in Ireland in the fall. Patrick Yoo is set to begin his Master's degree with us this September. We have also enjoyed working with residents and fellows: Brad Hubbard, Neil Chadha, Yamilet Tirado, Theresa Holler, Raewyn Seaberg, Maz Merdad, and Tony Eskander and with our summer students: Lauren Scholfield, Gurvinder Toor, Cullen Allemang, Brittany Harrison, Brooke Allemang, and Patrick Yoo. We continue to have important collaborations both locally, with Robert Harrison, Adrian James, Paolo Campisi, James Rutka, Sandra

Trehub, Tracy Stockley, Susan Blaser, Mark Crawford, Frank Russo, and Lorna MacDonald, nationally, with Isabelle Peretz, and internationally, with Robert Cowan and Richard van Hoesel.

The past year has been very productive: 11 publications came out in 2009, and 5 have been published in 2010 with another 2 in press, 2 in revision, and several others in preparation. Between this summer and last, we collectively presented 15 abstracts at international meetings and gave 30 invited talks spanning across 10 different countries. We have also successfully competed for funding through CIHR and the Ontario government. Finally, we have received 5 awards, most remarkably, The Robert Ruben Award for Scientific Advancement, awarded to Blake Papsin by the Society for Ear, Nose and Throat Advances in Children (SENTAC), the American Academy of Otolaryngology – Head and Neck Surgery Honor Award to Blake Papsin, and the Ontario Government's Early Researcher Award to Karen Gordon. Our trainees have won 18 awards collectively. Notably, Dr. Talar Hopyan received the prestigious Andrew Sass-Kortsak Fellowship Award from the Hospital for Sick Children and Daniel Wong won Best presentation by Fellows and Graduate Students at the last Percy Ireland Research Day.



**Head and Neck Cancer Research Unit
Ontario Cancer Institute
Research Coordinator: Dr. S. Kamel-Reid**

Dr. Kamel-Reid's research laboratory is involved in several translational research projects associated with the genetics of initiation, progression and recurrence of oral squamous cell carcinoma. A number of her research projects are described below.

Ongoing work

Our overall objective is to identify deregulated genes and genetic pathways that will lead to the identification of biomarkers associated with the development, progression and recurrence of oral squamous cell carcinoma (OSCC).

Regarding development of OSCC, we are especially interested in oral carcinoma that arises in patients under the age of 40 (young patients), with little or no exposure to risk factors (smoking and/or alcohol abuse). We completed the analysis of global DNA copy number changes in OSCCs from young and older patients, using SNP arrays (Affymetrix). This analysis allowed us to identify a number of genomic regions of DNA gains and losses that are consistently altered in tumors of young patients compared to tumors from older patients. We validated DNA gains and losses in a number of genomic regions, using quantitative PCR, and we are currently verifying these changes by fluorescence *in situ* hybridization (FISH).

In another study, we aim to identify biomarkers that predict transformation of pre-malignant oral lesions, such as leukoplakia. We currently identified that a subset of microRNAs is over-expressed and this alteration is associated with progression of oral leukoplakia. We also identified genomic regions of global DNA copy number changes by using array CGH. The identification of genetic markers of malignant transformation may be used, together with clinical and histological assessment, to predict which leukoplakias have a higher risk of progression.

We are also focusing on the identification of biomarkers of local recurrence in oral carcinoma. Local recurrence can occur in a high percentage of patients and is a cause of treatment failure and death. Microarray analysis has determined that tissues surrounding the tumor (surgical margins), although appearing normal under the microscope, can harbor genetic changes commonly found in the corresponding OSCCs. Through bioinformatics analysis, we currently identified a gene signature which expression is deregulated in negative surgical margins and OSCCs. Deregulated expression of this signature was validated in an independent patient cohort containing a large number of margins and tumors. We are currently performing a large-scale validation of this genetic signature that may be used to predict recurrence in OSCC. Results from this study will be useful for the molecular analysis of resection margins in oral carcinoma, which will aid in the assessment of recurrence risk.

Graduate students

Mariam Thomas, (B.Sc) Graduate Student (Ph.D.) Department of Medical Biophysics, University of Toronto. The Role of X-RAR α in acute promyelocytic leukemia. September 2005 – present.

Rashmi Goswami, (MD) Graduate Student (Ph.D.), Department of Laboratory Medicine & Pathobiology, University of Toronto. The use of microRNA analysis to predict prognosis of patients with mantle cell lymphoma. August 2006 – present.

Jerry Machado, (M.Sc) Graduate Student (Ph.D.), Department of Laboratory Medicine & Pathobiology, University of Toronto. Genetic analysis of oral tumours in young patients with head and neck squamous cell carcinoma. Supervisor, September 2004 – December 2009.

Nilva Cervigne (M.Sc.) Graduate Student (Ph.D.) Department of Genetics, Sao Paulo State University (UNESP), Botucatu, SP, Brazil. Co-supervisor Dr. Patricia Reis, Biomarkers of Progression in Oral Carcinoma. February 2006 – December 2009. Funded by Head and Neck Program.

Miranda Tomenson, (M.Sc.) Registered Graduate Student. Department of Medical Biophysics, University of Toronto. A functional role for PDCD4 in Oral Squamous Cell Carcinoma. September 2007 – August 2009.

Honours and Awards

NCIC TFF Clinical Research Fellowship for PhD student Rashmi Goswami. S. Kamel-Reid [PI] MicroRNA expression as a prognostic marker in patients with mantle cell lymphoma. 2008-2011 \$47,500/yr

CIHR Frederick Banting and Charles Best Canada Graduate Scholarships – Doctoral Award for PhD student Mariam Thomas. S. Kamel-Reid [PI]. Determining commonly modulated gene targets and cellular pathways in Acute Promyelocytic Leukemia. 2009-2012 \$35,000/yr

Publications and presentations are listed elsewhere in this report.



Upper Airway Study Laboratories

**St. Michael's Hospital,
Gage Research Institute,
Sunnybrook Health Sciences Centre,
Mount Sinai Hospital,
The University Health Network
Toronto Rehabilitation Institute
Director: Dr. J. S.J. Haight**

The diagnosis and management of sleep apnea is under investigation.

Results using snoring to diagnose and identify the site of airway obstruction in sleep apnea are progressing well.

Central and obstructive apnea in heart failure are part of a spectrum of one disease and not two independent entities as previously thought.

Dr. Qian has returned to China to head up an ENT department in a large hospital there and we will be collaborating with him once he has settled in.

Thanks to Dr. Pat Gullane for his continued support and guidance.



Voice Laboratory St. Michael's Hospital Dr. J. Anderson

The Voice Laboratory continues to be active in clinical and research activities in conjunction with the Voice Disorders Clinic at St. Michael's Hospital.

The laboratory is staffed by speech language pathologists Marta DeLuca and Gwen Merrick. Two speech language pathology students from the University of Toronto, Masters of Health Science have completed their clinical placement in the clinic and laboratory in the spring of 2010. The laboratory also hosted the students from the speech science course for a site visit with Dr Tim Bressman.

The Vocal Pedagogy voice students also had a tutorial session in the laboratory in January 2010 as part of the collaboration between the Voice Clinic and the Faculty of Music.

The voice laboratory received foundation support to upgrade the software to the Computerized Speech Lab and replaced the aerodynamic data collection equipment to permit accurate airway resistance and airflow data collection.

There are two active research projects currently underway. Both projects are being supervised by the laboratory director and the laryngology fellow (Dr. Griet Laureyns 2009, and currently Dr. Emer Lang 2010). The first study is near completion on a rare disorder, focal laryngeal amyloidosis, with detailed acoustic data of the associated dysphonia and post operative voice results after laser surgery.

The second and larger study concerns pre and post operative voice and swallowing complaints in patients undergoing thyroidectomy. The study is expected to recruit 65 patients and we are at the midpoint in data collection.

A final project was collaboration with the Occupational Disease Specialty regarding Work related Irritable larynx Syndrome and the resulting paper was accepted for publication by Occupational Medicine.

Teaching Hospital Reports



Hospital for Sick Children – Dr. V. Forte

Our Department continues to be very busy clinically and academically.

Our congratulations to both Dr. Adrian James and Dr. Paolo Campisi who completed their Triological theses; Paolo's is titled "The epidemiology of juvenile onset recurrent respiratory papillomatosis derived from a population level national database" and Adrian's is "Assessment of olivocochlear function in neonates with real time distortion product otoacoustic emissions". Adrian also garnered this year's Triological Society Mosher Award for the Society's best Thesis which will be published in a special edition of The Laryngoscope.

Congratulations are also extended to Dr. Blake Papsin as this year's recipient of the Robert Ruben Award for Scientific Advancement awarded at the Society for Ear, Nose and Throat Advances in Children (SENTAC) annual meeting held in Salt Lake City. Blake also received this year's Excellence in Teaching Award from our University Department.

Dr. Theresa Holler received 1st prize at the October AAO meeting in San Diego for the presentation on "Voice outcomes in juvenile onset recurrent respiratory papillomatosis". This work was mentored by Dr. Paolo Campisi.

Dr. Adrian James and Dr. Neil Bailie ran a successful temporal bone course in the surgical skills lab at Mount Sinai Hospital. The visiting professor for this event was Dr. John Niparko from Johns Hopkins Department of Otolaryngology.

Dr. Peter Koltai, Professor of Otolaryngology and Pediatrics at Stanford University was our Visiting Professor at the University as well as being an instructor and lecturer at the Pediatric Endoscopy course organized by our Department.

Dr. Paolo Campisi was elected 1st Vice President of the Medical Staff Association at Sick Kids. He was Program Chair for this year's ASPO meeting which was held during the annual spring meeting of COSM in Las Vegas, Nevada.

Dr. Neil Chadha completed his Fellowship and has re-located to Vancouver where he has been appointed as an Assistant Professor at UBC and staff otolaryngologist at the BC Children's Hospital. With Neil's departure, Dr. Yamilet Tirado began her clinical rotation. Dr. Alex Osborn from Baylor College in Houston, Texas will be arriving to begin his research/clinical rotation. We were also fortunate to welcome a third clinical Fellow to our team this year. Dr. Faisal Abdulkader from Qatar whose clinical focus is on the pediatric airway will spend 18 months in our Department and then return as the only practicing Pediatric Otolaryngologist in Qatar.



Mount Sinai Hospital – Dr. J.L. Freeman

The Department of Otolaryngology at Mount Sinai Hospital continues to focus on four areas: General Otolaryngology, Communication Disorders, Head and Neck Oncology and Rhinology. The attending staff is comprised of five full time and three part time otolaryngologists.

The outpatient department remains the focus for all patients entering the hospital Departmental stream. The outpatient department gives a venue for referral for general problems from the community as well as allowing an excellent academic platform for fellows, post-graduates and medical students to acquire an approach to the management of disease processes within the discipline. The clinic also serves to allow an entree for patients with tertiary and quaternary problems in the field of head and neck oncology, communication disorders and rhinological problems.

There are two residents and a fellow in head and neck oncology as well as a fellow in rhinology rotating through the system at any time. The head and neck fellow is under the aegis of the American Head and Neck Society Advanced Training Council program; he/she is also part of a partnership with the University Health Network/Sunnybrook Health Sciences Centre. This is one of twenty four in North American under the auspices of the American Head and Neck Society and as such recognizes teaching excellence in the field of head and neck surgery. Our head and neck oncology fellowship trainees obtain a solid foundation with respect to management of head and neck oncological problems in addition to gaining valuable experience in research aspects in the field—the vast majority of graduates from this program have gone on to hold important academic positions around the world. The rhinology fellowship has now been gaining status as a premier training program.

The main focus in the head and neck program at Mount Sinai is endocrine and salivary disorders and the hospital has gained a provincial and international reputation in management of difficult problems within this scope. The generosity of the Albert Latner Family in establishing the Temmy Latner/Dynacare Chair in Head and Neck Oncology has allowed many research and teaching initiatives to go forward.

DEPARTMENT OF OTOLARYNGOLOGY – HEAD AND NECK SURGERY

Ms. Krista Riko and Dr. Martyn Hyde continue to maintain an active and productive program in communication disorders. They have assumed a leadership role in implementation of a universal newborn hearing program in the province. Their department continues a high level of teaching at the university level.

Drs. Kris Conrad and Jerry Chapnik provide excellent teaching and service in the Facial Cosmetic and Reconstructive area within our program.

Dr. Ian Witterick has established a national and international reputation in the management of rhinological and sinus problems. In his capacity as Director of Post-Graduate Education, he has consolidated and strengthened the residency program. In his capacity as Director of Continuing Medical Education he has established a series of visiting professorships and courses that covers the length and breadth of the specialty further enhancing a strong teaching program at the University and the Hospital.

A number of Hospital based continuing medical education initiatives are underway including our award winning biennial course in the Management of Thyroid Nodular Disease and Cancer, directed by Dr. Freeman. This course was held in May 2006 and now stands as one of the premier endocrine symposia world-wide.

The "World Congress on Thyroid Cancer" spearheaded by our Department was held in Toronto. This was a joint multidisciplinary academic venture with Memorial Sloan-Kettering Cancer Center, New York, Harvard University, Boston, Mayo Clinic, Rochester, MD Anderson Cancer Center, Houston, and the University of Toronto. This was the first such meeting and was a symposium of 800 delegates and 150 world renowned authorities on thyroid cancer. The meeting received rave reviews by the attendees.

In addition, Dr. Arnold Noyek continues his world-class work using the Canadian International Scientific Exchange Program in Otolaryngology as a vehicle for academic collaborative efforts with several countries in the Middle East.

Active participation within the lab of Dr. Paul Walfish continues to result in major breakthroughs in molecular biology of the thyroid and the upper aerodigestive tract. The Department has recruited Dr. Ranju Ralhan, a recognized basic science researcher in molecular biology of head and neck tumours. She has established a productive collaboration with our Department in the biology of tumours of the aerodigestive tract and endocrine disease.

Collaboration with a variety of Departments and Divisions (surgery, dentistry, ophthalmology, radiation oncology, medical oncology, endocrinology) in a multidisciplinary fashion continues to allow optimal management of patients, as well as teaching and research.

Through the kindness of the Joseph Sonshine Family and the Frederic Waks Family and the confidence of the Mount Sinai Hospital in the Department, an additional large new space has been awarded to the Department; it was renovated to allow for the recruiting, patient care and teaching needs of the Department. The unit is named the Joseph and Mildred Sonshine Centre for Diseases of the Head and Neck.

The unit will also be amalgamated with the existing Freeman Centre for Endocrine Oncology further strengthening the endocrinology presence in a solid multidisciplinary fashion. Recruitment efforts are underway to hire a director of this unit in conjunction with the Division of Endocrinology. We are currently planning for a Skull Base Clinic in the Centre that will concentrate on such diseases and pituitary problems. We are pleased that Dr. Fred Gentili, Division of Neurosurgery will participate in this venture.

This year a gala was held, organized by Dr. Walfish for thyroid cancer research honoring the Julian Fantino family – proceeds from this will be used to fund the activities of the new unit.

A centre for laryngology in the new unit is underway; Dr. Jennifer Anderson, an acknowledged expert in the field will head up this program; plans are in place for the recruitment of Dr. Taryn Davids to blend in and eventually head up the unit.

A clinic for Diseases of the Oral Cavity has been established as a multidisciplinary program; this endeavor is headed by a new recruit, Dr. Yvonne Chan who is working with Dr. Iona Leong, from the Department of Dentistry. The program has already attained a profile with referrals from all of metro Toronto and beyond.

Through the generosity of the Albert and Temmy Latner Foundation, a scholarship has been established for a resident, fellow or junior faculty to spend a year in the Samuel Lunenfeld Research Institute working toward a higher degree.

Finally, the creation of the Chapnik, Freeman, Friedberg Scholarship has allowed post graduates and junior faculty to pursue research within the Department.

The Department of Otolaryngology – Head and Neck Surgery is proud to be part of the Mount Sinai Hospital and the University of Toronto.



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

I am honoured to have been appointed Chief of the Division of Otolaryngology – Head and Neck Surgery at St. Joseph's Health Centre as of June 2009. We would like to thank Dr. Ian Witterick for his outstanding leadership as head of the department for the previous 10 years. Dr. Witterick is still active in his capacity as Director of Post-Graduate Education. Our other faculty members include Drs. Andres Gantous, Michael Hawke, Robert Josephson, and Jack Kolenda.

As in the previous year, we are providing a full-time resident rotation. St. Joseph's Health Centre is a leader in community-based otolaryngology. With our extensive expertise and interest in pediatric otolaryngology, otology, rhinology and sinus surgery, facial plastics, reconstructive and endocrine surgery, we handle a large volume of cases in these specialties. In addition, we provide clinical otolaryngology training for family practice residents.

St. Joseph's Health Centre continues to be a national leader in nasal and sinus disease surgery. Recent cutbacks have resulted in the permanent discontinuation of audiology services and closure of operating rooms for an extra week. However, construction of the new hospital is proceeding as scheduled.



St. Michael's Hospital – Dr. J. Anderson

This year was one of expansion for the department with the successful recruitment of Dr. John Lee to a full time active staff position after returning from his fellowship under the mentorship of Dr. Kennedy in Philadelphia in the area of advanced rhinology and sinus surgery. As part of the planned recruitment of Dr. Lee, St Michael's Hospital has purchased the Stryker image guidance system designated for our departmental use in the operating room. Dr. Lee is also attending McMaster University for his master's degree in clinical epidemiology.

To support the lengthy waiting list for voice patients in the Voice Disorders Clinic, we have also recruited Dr. Taryn Davids who completed a six-month Fellowship in Laryngology in Atlanta. Dr. Davids started in the spring of 2010 as a part time courtesy staff member with a voice clinic once a week. We wish to warmly welcome the new staff members to our department and look forward to their contribution to the academic activity in our department.

Dr. Molly Zirkle has been appointed as the new head of the Fitzgerald Academy and we congratulate her on this new and important leadership position jointly supported by St Michael's Hospital and the University of Toronto, Faculty of Medicine.

St. Michael's Hospital has a new nine storey education and research building, the Li Ka Shing Knowledge Institute and the Keenan Education Centre, both of which have opened during 2010 with transfer of staff and activity starting during the spring to the new building. The student centre has moved to this location.

The departmental staff consists of four full time and six part time otolaryngologists, three audiologists, and one technician (nasal airflow/ vestibular labs). The Voice Clinic has two speech language pathologists specializing in voice disorders for outpatient assessment, therapy and research activities. The voice clinic staff has between 2 and 4 speech pathology students from the University of Toronto for clinical placement in the department during the academic year. They also host the Faculty of Music vocal pedagogy class for education in stroboscopy. Overall, the department continues to demonstrate growth in patient visits and have surpassed 22,000 outpatient visits per year.

Dr. Emer Lang was the Laryngology Fellow from Ireland and completed two studies in the area of Voice Disorders during her stay.

The operating room activity for the year indicates that 950 surgical procedures were done in the past year with more than 75% on an outpatient basis. The three types of procedures most frequently performed were in the areas of head and neck endocrine, sinus/rhinology, and laryngeal microsurgery. Of note, separate data for the endoscopic skull base cases indicate that 45 cases were done in conjunction with neurosurgery in this expanding area of practice, largely in endoscopic transphenoidal procedures.

Our medical staff continues to participate in educational and academic activity, as well as provide exemplary patient care.



Sunnybrook Health Sciences Centre – Dr. J.M. Chen

The Sunnybrook OTL-HNS department continues its mandate in striving for excellence in Teaching, Research and Clinical care. Undergraduate evaluation at the Boyd Academy continues to rank the Department above the city-wide mean. The Otology group hosted a Temporal Bone Otology Surgical Course (June 10-11) with excellent enrollment and industry support. The course was well received. The plan for the future will likely involve a University wide participation and to direct some of the focus on Canadian Postgraduate trainees.

Dr. Enepekides was the recipient of the 2010 AAOHNS Honor Award for his past contributions as a course director since 2004.

The Inner Ear Initiative Laboratory is building on the research activities of Vincent Lin and Lendra Friesen, who were the co-recipients of a CIHR Team Grant looking at ageing and binaural hearing, spearheaded by Bob Harrison in collaboration with the HSC researchers. This is extremely timely as projects related to hair-cell cultures and VEGF have also yielded promising results. The Department is forging ahead with its fundraising efforts as a significant philanthropic gift from a private donor has pushed us over the \$5M mark and we are poised to leverage this into an even larger initiative. The inner Ear Laboratory will be supported by additional recruitment in the coming year with a PhD

scientist in molecular biology, while research fellows have been identified for the next three years.



Toronto East General Hospital – Dr. O. Smith

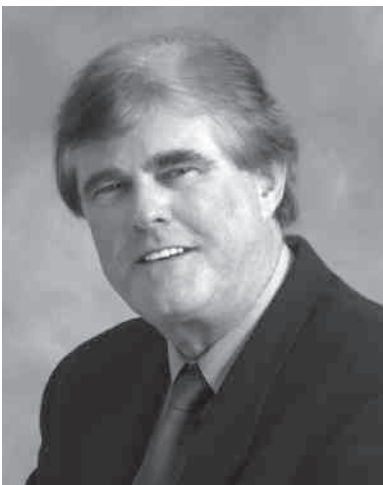
Drs. William El Masri, Al Chiodo and I continue to offer our residents a broad spectrum of General Otolaryngology. Our resident manages a resident clinic once a week. The volume of ambulatory care patient encounters has dropped this year due to hospital restrictions.

There is at least 4 days of surgery per week providing them with a good exposure to thyroid surgery, sinus surgery and plastic and reconstructive nasal surgery. Due to resource pressures our department lost 15% of our surgical time this year.

As in the past, TEGH again hosted the annual OTHNS update and OMA section annual general meeting in February. This was a successful meeting with the largest registration of any OTHNS meeting in Canada.

We continue to participate in DOC2 research.

Dr. Al Chiodo is President of the Medical Staff Association this year.



The University Health Network – Dr. P.J. Gullane

This past year the University Health Network reports a further productive year in its commitment to education, patient care and research.

The fellowship program continues to offer the breadth and depth of training in all aspects of head and neck oncology and in addition setting the guidelines and standards for the management of complex head and neck neoplasms. In addition, we have an extremely robust and highly sought after Neurotology fellowship.

Bibliometric analysis of the department's research activities demonstrate that the increased number of total UHN – RBE approved protocols over the period 2009-2010 have increased. A comparison of the University Health Network (members of the Department of Otolaryngology – Head and Neck Surgery, UHN) with the Department of Otolaryngology – Head and Neck Surgery, University of Pittsburgh, Michigan and Harvard demonstrate that we as a hospital excel in all categories over each of the three selected universities in the United States. Over the past year also our research funding and grant submissions has increased significantly.

Over this past year we have seen significant academic productivity with 47 publications by members of the department in peer-reviewed journals. The members of the department have helped enormously to further enhance the global impact and profile of our specialty.

The department continues to attract visiting professors from other countries internationally. This past year we have hosted some 36 visiting professors from across Canada, the United States and 15 other countries outside North America.

The following fellows completed their Fellowship training as of June the 30th 2010:

Dr. Brett Miles completed his Fellowship accredited by the Advanced Training Council of the American Head and Neck Society. He has been recruited as a faculty member to the Department of Otolaryngology-Head and Neck Surgery, Mt. Sinai School of Medicine, New York.

Dr. Manish Shah completed his Fellowship accredited by the Advanced Training Council of the American Head and Neck Society. He is currently taking further advanced training in laryngology at Emory University in Atlanta, Georgia.

Dr. Kevin Wong completed his Fellowship accredited by the Advanced Training Council of the American Head and Neck Society. He has recently moved to a private practice in northern Alberta.

Drs. Dae Kim and Ramez Nassif also completed the Fellowship in Head and Neck Oncology. Dr. Kim has returned to the UK where he is currently a Specialist Registrar in Otolaryngology at the City Hospital in Birmingham. Dr. Ramez Nassif is currently working as a Locum Consultant at the Wexham Park Hospital in London.

As of October the 1st, 2009 Dr. Neil Bailie who had served as a Fellow in Neurotology for a three year period was appointed as a Consultant Otolaryngologist with a subspecialty interest in otology at Queen's University in Belfast, with his clinical hospital assignment at the Royal Victoria Hospital.

Dr. Prodip Das served as the Neurotology/Otology Fellow with Dr. John Rutka from August 2009 to June 2010. He also has returned to the United Kingdom.

Dr. David Pothier who completed a Neurotology/Otology Fellowship with Dr. Rutka currently remains at the University Health Network as a "super fellow" with a major research focus in vestibular disorders.

Dr. Ali Sepehr successfully completed a Fellowship in Advanced Facial Plastic and Reconstructive Surgery mentored by Dr. Peter Adamson and was recruited to the Veterans Affairs Hospital in Long Beach, California. He also has appointments with Kaiser Permanente and the OC Center for Facial Plastic Surgery.

Dr. Jeannie Linton successfully completed a Fellowship in Advanced Facial Plastic and Reconstructive Surgery with Dr. David Ellis and she is currently in private practice in Las Vegas.

Over this past year, Dr. John Rutka's "Ear Camp" which he leads in Thailand has involved residents and fellows. This international humanitarian activity has been extremely successful under the leadership of Dr. Rutka.

During this past year, Dr. Jonathan Irish was appointed as Provincial Clinical Lead Access to Services and Wait Times in the Province of Ontario. In addition, Dr. Ralph Gilbert, who has served as site leader in Head and Neck Oncology, Princess Margaret Hospital has relinquished this position as per the guidelines to Dr. Brian O'Sullivan. However Dr. Gilbert continues in his very senior administrative position as Chair of the Medical Advisory Committee of the University Health Network. Dr. David Goldstein continues to be extremely productive and serves as Director of Research within the University Health Network. Dr. Dale Brown continues as the Undergraduate Coordinator of the department within the hospital.

The Department of Otolaryngology – Head and Neck Surgery jointly with the Departments of Radiation Oncology, Medical Oncology and Basic Science have again continued to contribute significantly to further enhance the Head and Neck Cancer Translational Research Program. As in previous years, the generous donations from the Robert and Gert Wharton, Gordon Tozer, Joe Finlay and Bruce Galloway have helped enormously to enhance the opportunities and to effect change in this most important domain of the department. The global impact, achievements and success as measured by the research support services all results as previously reported from the continual commitment and dedication of a superb faculty and support staff. We are also indebted to the administration of the University Health Network who has provided generous infrastructure support to our department. We continue to be indebted for the innumerable contributions of the faculty and for their dedication and untiring efforts on behalf of our patients, research contributions and education of our undergraduates, postgraduates and advanced fellowship training programs.

