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* This report is also available online: [http://www.mcgill.ca/ent/annualreports/](http://www.mcgill.ca/ent/annualreports/)*
Section I: OVERVIEW

1.1 Description of Unit

The Department of Otolaryngology is a full department within the Faculty of Medicine. It has both a clinical and academic mission in accordance with the following statement:

It is the objective of the department to continue its academic and research efforts and to remain at the forefront of modern otolaryngology practice.

The mission of the Department of Otolaryngology is to provide excellence in all aspects of otolaryngology - head and neck surgery by teaching, undertaking research and through exemplary clinical practice in the broad field covered by this discipline.

1. The educational component encompasses the teaching of McGill undergraduate medical students and McGill Otolaryngology residents. The department also accepts post-graduate fellows for subspecialty training. Responsibility in continuing medical education (CME) towards the teaching of allied health care professionals is deemed of equal importance.

2. The department participates in both clinical and basic research in the areas of head and neck oncology, vestibular physiology, rhinology, neurotology and laryngology.

3. An important mandate of the department is towards the provision of high quality clinical care in general otolaryngology and in the subspecialty areas of head and neck oncology, neurotology, laryngology, rhinology, facial plastic and reconstructive surgery and communicative disorders.

These goals will be achieved by:

- having available sufficient medical and support staff to maintain proper health care delivery to service the hospital and community network of patients
- the recruitment of highly qualified individuals who can provide subspecialty expertise and stimulating teaching to undergraduates, residents, fellows and other health care workers
- working closely with other medical specialists and allied health professionals to provide a multi-disciplinary approach toward the best possible care for patients
- working closely with basic researchers to foster a stimulating academic atmosphere and active participation as educators in the Faculty of Medicine of McGill University
1.2 Departmental Staff

A. List of Faculty Members with Primary Appointments in the Department According to Academic Rank

Departmental Chair: Dr. Saul Frenkiel

Emeritus Professor
Baxter, J.D., M.D., C.M., M.Sc. (McG.), FRCSC

Professors
Frenkiel, S., B.Sc., M.D., C.M. (McG.), FRCSC
Katsarkas, A., M.D. (Thess.) FRCSC
Schloss, M.D., M.D. (U.B.C.), FRCSC
Tewfik, T.L., M.D. (Alex.), FRCSC

Associate Professors
Black, M.J., M.D., C.M. (McG.), FRCSC
Daniel S., M.D., C.M. (McG), FRCSC
Desrosiers, M., M.D. (Montr.) FRCSC
Fanous, N., M.B., B.Ch. (Cairo), FRCSC
Hier, M., M.D.C.M. (McG.), FRCS
Kost, K., M.D.C.M. (McG.), FRCSC
Manoukian, J., M.B., Ch.B. (Alex.), FRCSC
Novick, W.H., M.D., C.M. (Queen’s), FRCSC
Rappaport, J., M.D. (Dal.), FRCSC
Segal, B., B.Sc., B. Eng., M.Eng. (McG.) Ph.D. (McG.)
Shapiro, R.S., M.D., C.M. (McG.), FRCSC
Zeitouni, A.G., M.D. (Sher.), FRCSC

Assistant Professors
Black, Mindy., M.D. (Tor.), FRCSC
Chagnon, F., M.D., C.M. (McG.), FRCSC
Fried, I., M.D. (Dal.), FRCSC
Lafleur, R., M.D. (Ott.), FRCSC
Lessard, M-L, M.D. (Laval), FRCSC
Nguyen, H.N. M.D.,C.M. (McG.), FRCSC
Payne, R., M.D.,C.M. (McG.), FRCSC
Samaha, M.D. (Queen’s), FRCSC
Sejean, G., M.D. (Beirut), FRCSC
Sweet, R. M.D.C.M. (McG.)
Tarantino, L., M.D. (Naples), FRCSC

Faculty Lecturers
Finesilver, A., M.D. (McG), FRCSC
Rothstein, J., M.D. (McG.), FRCSC

Adjunct Professor
Dufour, J.J. M.D. (Laval) FRCSC
B. List of Faculty with Secondary Appointment in the Department According to Academic Rank

**Professors**

Galiana, H.L., B. Eng., M. Eng., Ph.D. (McG.)
Professor, Biomedical Engineering, Faculty of Medicine

Hamid, Q., M.D. (Iraq), Ph.D. Med. (UK)
Professor of Medicine and Pathology
Director, Meakins-Christie Laboratories, McGill University

**Associate Professor**

Funnell, W.R.J., B. Eng., M.Eng., Ph.D. (McG.)
Associate Professor, Biomedical Engineering, Faculty of Engineering

**Associate Member**

Mongeau, L., Ph.D. Acous. (Penn. State) Associate Dean, Academic Affairs (McGill)
Associate Member, Department of Otolaryngology (pending approval by McGill)
Professor, Faculty of Engineering, Division of Mechanical Engineering
1.3 Administrative Structure and Committees

Departmental Chair  ..........Dr. Saul Frenkiel
Program Director  ..........Dr. John Manoukian
Director of Research & MSc Program  ..........Dr. Bernard Segal
Director, Head & Neck Oncology Program  ..........Dr. Martin Black
Hospital Site Directors
  Royal Victoria Hospital  ..........Dr. Anthony Zeitouni
  Montreal General Hospital  ..........Dr. Karen Kost
  Jewish General Hospital  ..........Dr. Saul Frenkiel
  Montreal Children’s Hospital  ..........Dr. Sam Daniel

Executive Committee  ..........Dr. Saul Frenkiel (Chair), Dr. Martin Black,
                                Dr. Athanasios Katsarkas, Dr. Melvin Schloss
Departmental Tenure Committee  ..........Dr. Saul Frenkiel (Chair), Dr. Martin Black, Dr.
                                      Athanasios Katsarkas, Dr. Melvin Schloss, Dr. Robert
                                      Funnell (alternate), Dr. Henrietta Galiana (alternate)
Residency Program Committee  ..........Dr. John Manoukian (Chair)
                                ..........Dr. Jamie Rappaport (Co-Chair)
                                      Dr. Mindy Black, Dr. Sam Daniel, Dr. Michael Hier, Dr. Lily Nguyen, Dr. Richard Payne, Dr. Mark
                                      Samaha, Dr. Bernard Segal, Dr. Anthony Zeitouni, Dr. Valérie Côté (Jr. resident rep.) Dr. Jonathan Young
                                      (Sr. resident rep.)
Undergraduate Education  ..........Dr. Lily Nguyen (Chair)
                                      Dr. Mindy Black
Research Committee  ..........Dr. Bernard Segal (Chair)
                                      Dr. Sam Daniel (Associate Chair)
                                      Dr. Saul Frenkiel, Dr. Robert Funnell, Dr. Athanasios Katsarkas, Dr. Michael Hier, Dr. John Manoukian,
                                      Dr. Richard Payne, Dr. Mark Samaha, Dr. Anthony Zeitouni
Fellowship Committee  ..........Dr. Jamie Rappaport (Chair)
                                      Rhinology:  Dr. Saul Frenkiel, Dr. Martin Desrosiers, Dr. Mark Samaha
                                      Pediatrics:  Dr. Sam Daniel, Dr. John Manoukian, Dr. Lily Nguyen, Dr. Melvin Schloss
                                      Head & Neck:  Dr. Martin Black, Dr. Michael Hier, Dr. Karen Kost, Dr. Richard Payne,
                                           Dr. Anthony Zeitouni
                                      Laryngology:  Dr. Karen Kost
                                      Research:  Dr. Sam Daniel
Continuing Medical Education (CME)  ..........Dr. Ted Tewfik (Chair)
                                      Annual McGill Otolaryngology Update Course - Dr. Jamie Rappaport, Dr. Michael Hier, Dr. Karen Kost (Course
                                      Directors)
Alumni Relations  .......... Dr. Martin Black
1.4 Message from the Chair (Dr. S. Frenkiel)

The Department of Otolaryngology is pleased to provide McGill University and the Faculty of Medicine its 2008-2009 Annual Report. The following pages will highlight both the individual and collective productivity of the Otolaryngology faculty and the Department.

During the past few years, our department has maintained a steady growth in both clinical and academic activities. This year, our productivity has become even stronger with respect to research performance and peer reviewed publications. This is largely to the credit of an active teaching staff that devotes considerable energy towards this academic mandate. On behalf of McGill University, I offer my compliments to our academic staff, many of who have achieved national and international recognition for their work.

In addition to reporting on the annual activities, I would also like to take the opportunity to reflect on past and future strategic planning. I recently completed a comprehensive report outlining our Department’s progress as part of an internal self-study document requested by the Faculty of Medicine. It was in the year 2002 that I commenced my mandate as Chair, and so, the preparation of this document provided me with an opportunity for considerable internal reflection but more so, reflection on the current and future direction for our Department.

When I first became Chair, I proceeded to set a number of reasonable objectives for our Department to achieve in the next half decade. These objectives included:

- the institution of a practice plan across all hospital sites incorporating the “rénumération mixte” program that existed within the RAMQ.
- the institution of a comprehensive and formal administrative structure for the Department of Otolaryngology.
- a plan to recruit new, well-trained individuals in a variety of subspecialty areas and, specifically, to recruit a clinician-scientist and a specialist in medical education.
- the development of Centres of Excellence that will incorporate both a clinical and academic mission.
- to expand the Otolaryngology research program and, hopefully, to inaugurate a new basic science laboratory.

I am pleased to report that this initial strategic plan has largely been fulfilled and that now, as we complete the 2009 academic year, we have become considerably more eminent as a university department.

Contrary to our general economy, McGill Otolaryngology has displayed continued growth. In 2008-2009, our faculty was fully immersed as educators at the undergraduate, postgraduate, and CME levels. I particularly acknowledge those members of our staff who were invited lecturers, visiting professors, and podium presenters on the international stage. For this important academic duty, I offer my compliments
and congratulations. More specifically, Otolaryngology staff should be lauded for the manner in which they teach, supervise, and mentor medical students who rotate through our Department and most particularly for the manner in which they nurture our cherished Otolaryngology residents. These endeavours are fully acknowledged in this annual departmental report. It is most fitting that, in the month of February 2009, the Royal College of Physicians and Surgeons of Canada granted our training program its full approval. Congratulations to Dr. John Manoukian, the Residency Program Director, for this important accomplishment.

As a relatively smaller medical department having a predominantly clinical focus, our research productivity continues to improve from year to year. I am pleased to report that this year we have published more than 60 peer-reviewed articles, electronic articles, and book chapters. This is our greatest number of publications to date. Our Department’s research funding stands in excess of $6,000,000 to support our laboratories and our investigators who served as either principal investigators, co-investigators, or collaborators. Again, I congratulate our staff for their important involvement as researchers affiliated with McGill University.

This past fall, Dr. Melvin Schloss was replaced as the Director of Otolaryngology at the MCH. Our Department extends its sincerest congratulations to Dr. Schloss for his enormous contributions to McGill Otolaryngology and to McGill University during his 32-year tenure. His chosen replacement was Dr. Sam Daniel. Our Department offers Dr. Daniel its congratulations and has full confidence in his ability to bring Pediatric Otolaryngology to the next level. As further acknowledgement of Sam Daniel, he has been promoted to Associate Professor with tenure.

Members of our faculty have been acknowledged with numerous special honours which I highlight as follows.

- Dr. Martin Black received the Royal College of Physicians and Surgeons of Canada’s Prix d’excellence.
- Dr. Sam Daniel received numerous honours, including MCH Medical Award of Excellence, Charles F. Ferguson Clinical Research Award from ASPO, Best Teacher Awards from the MCH Surgical and, finally, received national recognition as one of Canada’s Top 40 Under 40.
- Dr. Martin Desrosiers was awarded first prize for Basic Science Research at the American Rhinology Society.
- Dr. Saul Frenkel received the David L. Johnston Award from the McGill Alumni Association.
- Dr. Henrietta Galiana received the IEEE Engineering in Medicine and Biology Society’s Annual Service Award.
- Dr. Karen Kost received this year’s Best Teacher Award from the Department of Otolaryngology, McGill University.
- Dr. Richard Payne was the recipient of the 2008 Promee for Young Professional of the Year.
I take this opportunity to update you on a number of critical issues for our Department.

1. Redevelopment Plan for the MUHC

My impression is that things are happening but rather slowly. A ‘white paper’ was recently issued as an exercise for priority planning. It met with considerable criticism which resulted in a reappraisal of the planning process. I now firmly believe that MUHC administration will proceed with a more realistic and transparent exercise to put an appropriate clinical plan in place. It is also my hope that the Otolaryngology plan for development of clinical areas of excellence will be seriously considered.

However, I am also of the opinion that the new superhospital will not be able to accommodate all our needs within its designated walls. I am fully confident that Head and Neck Oncology/Surgery is to be accommodated at the Glen site. Other subspecialty areas of our clinical practice have yet to be designated. We must therefore continue to be open-minded and innovative in our own internal planning process. In other words, some of our programs may need to be developed at Lachine General Hospital or outside the walls of the MUHC.

2. Recruitment

Our Department continues to recruit exceptionally trained and bright individuals. This summer, we will welcome back Dr. Alex Mlynarek who has completed two years of head and neck training with additional skills in microvascular surgery. His first fellowship year was spent at the University of Alberta with Dr. Hadi Seikaly, followed by a second year at the University of Auckland.

Dr. Marc Tewfik is presently training in rhinology-skull base surgery at the University of Adelaide under the tutelage of Dr. P.J. Wormald. This is presently considered as the foremost program in rhinology in the world. It is anticipated that Marc will return to our Department in the summer of 2010.

Jonathan Young has been accepted for a laryngology fellowship at Harvard University. He will also proceed with additional training in the field of dysphagia. We hope to welcome him back to McGill in 2010 or 2011.

Dr. Mindy Black will be leaving our Department very shortly to pursue her career in Tucson, Arizona. This is a bittersweet departure since we will miss her involvement as part of our academic staff, but we congratulate her on her upcoming nuptials. Our Department congratulates and thanks Mindy for her important contributions as a teacher and mentor of medical students and residents.

3. Name Change for our Department

Several months ago, a request was made to the Faculty of Medicine to change the name of the discipline to Otolaryngology-Head and Neck Surgery. This would be in keeping with the official change of name at the Royal College of Physicians and Surgeons of Canada and would be in keeping with the modern scope of our work. As part of this request, I consulted every Canadian department for their suggestions, and
proceeded to dialogue with potentially interested departments within the Faculty of Medicine. After some minor negotiation with respect to thyroid surgery, all other McGill departments agreed with our request. The proposal for the name change is now supported by the Faculty of Medicine and presently rests with various administrative committees at McGill University. I trust that in the year 2010 we will celebrate our new designation as the Department of Otolaryngology-Head and Neck Surgery.

4. Fundraising

I am pleased to state that this was another successful fundraising year for our Department. Initially, we were quite worried with respect to the economic downturn. However, the Head and Neck Cancer Fund this year raised in excess of $400,000. This was largely due to the personal involvement of our honouree, Mr. Alain Thibault, and to the magnificent efforts of Carole Goldberg. I would be remiss not to mention the work of our volunteer Fundraising Committee whose personal efforts contributed to a successful fundraising drive.

Due to our enormous fundraising success in the past two years, I made a decision to inaugurate the McGill Otolaryngology Endowment Fund. This Fund will be the recipient of capital that is not needed immediately for research projects and that, hopefully, will grow in a substantial manner. The hope is to eventually use this endowment to support an Otolaryngology Research Chair as a further means of securing our Department’s future.

5. Strategic Planning

My plans are to organize a faculty retreat in the month of November to formulate a strategic plan for the next five years. High on the list will be a discussion for development of Centres of Excellence in the areas of head and neck oncology, voice and swallowing, skull base surgery, vestibular disorders, and pediatrics. I would also like to include a designated thyroid centre as part of this discussion. The process will also include a strategy for recruitment and particularly the recruitment of a second clinician-scientist in the field of head and neck oncology. Part of the retreat will encompass the important concept of our own Department of Otolaryngology redevelopment plan.

6. Website and Electronic Newsletter

We continue to improve our departmental website (www.mcgill.ca/ent/). It now contains important information about our staff, teaching program, CME activities, and fundraising. It serves as an important link to our alumni who practice globally. I request that each of you scrutinize the website so that we may be as up-to-date as possible.

The electronic newsletter was inaugurated in September 2008 as a means of keeping in touch with all members of our faculty and particularly with our alumni. It helps us strengthen our friendship and our collegiality. It serves as a vital instrument to record and disseminate academic and social events that are so important to each of us. I again ask for your help in communicating your own activities for this newsletter by contacting Joanna Aroutian (jaroutian@jgh.mcgill.ca; 514-340-8222 x3179).
In conclusion, I extend our Department’s thanks to the Otolaryngology staff for its important contribution to McGill University. But more so, I extend my personal thanks to my Otolaryngology colleagues for their support and friendship.
Section II: PAST YEAR’S ACTIVITIES

2.1 Highlights

- Inauguration of the Melvin Mendelssohn Temporal Bone Drilling Laboratory, October 30, 2009.

- Appointment of Dr. Sam Daniel as Director of Pediatric Otolaryngology, November 2008. He replaced Dr. Melvin Schloss who served in this position for 32 years.

- Dr. Sam Daniel was promoted to the level of Associate Professor with tenure by McGill University. Dr. Daniel directs the McGill Auditory Sciences Laboratory which is recognized internationally for its work on middle and inner ear deafness.

- The Division of Pediatric Otolaryngology officially changed its name to Otolaryngology-Head and Neck Surgery.

- The Royal College of Physicians and Surgeons of Canada granted the McGill Otolaryngology Residency Training Program “FULL APPROVAL” on February 26, 2009.

- La Lutte Contre le Cancer, province of Quebec, designated Super-regional Status for Head and Neck Oncology at both the JGH and MUHC. As well, Super-regional Status was designated for Neurosurgical Oncology, including the Endoscopic Skull Base Surgical Unit. These are all important clinical programs involving surgeons from the Department of Otolaryngology.

- The Department realized significant scientific productivity in the area of thyroid oncology. The program is presently under the leadership of Dr. Richard Payne, and this year’s productivity includes 5 publications and 16 national and international presentations.

- Publications by McGill Otolaryngology staff for the calendar year 2008 is in excess of 60 peer-reviewed manuscripts and two book chapters. This represents the highest amount of annual publications to date.

- Peer-reviewed research grants received by Otolaryngology faculty and laboratories is in excess of $6,000,000.

- The Department held its 15th Annual McGill Head and Neck Fundraising event on May 27, 2009. An amount of more than $400,000 was raised for the Department’s research and academic programs. The co-chairs for this event were Drs. Richard Payne and Saul Frenkel.

- The Department held its successful CME course-13th Annual Update in Otolaryngology at Mont-Tremblant on March 20-22, 2009. There were 98 registrants from both Canada and the United States. The course directors were Drs. Karen Kost, Michael Hier, and Jamie Rappaport.
The Visiting Professors Program and Named Lectureships welcomed the following individuals:

- 12th Annual McNally Memorial Lecturer, Dr. David Zee, Johns Hopkins University, Baltimore, Maryland, November 6, 2008.
- 66th Annual Herbert Birkett Memorial Lecturer, Dr. Clark Rosen, University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania, December 4, 2008.
- 6th Annual Melvin D. Schloss Lecturer, Dr. Vito Forté, University of Toronto, Toronto, Ontario, February 2, 2009.
- 12th Annual Raymer Family Lecturer, Dr. Dominique Dorion, University of Sherbrooke, Sherbrooke, Quebec, April 30, 2009.
- 17th Annual James D. Baxter Lecturer, Dr. Joseph Chen, University of Toronto, Toronto, Ontario, May 7, 2009.

Our Department also welcomed the following invited speakers and lecturers:

<table>
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<tr>
<th>Speaker</th>
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<th>Type</th>
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<tr>
<td>Dr. Olguta Gologan</td>
<td>September 9, 2008</td>
<td>Lecture</td>
</tr>
<tr>
<td>Dr. Tarek Razek</td>
<td>September 16, 2008</td>
<td>Lecture</td>
</tr>
<tr>
<td>Dr. Eric Blom</td>
<td>September 18, 2008</td>
<td>Grand Rounds</td>
</tr>
<tr>
<td>Dr. Mark Levental</td>
<td>October 7, 2008</td>
<td>Lecture</td>
</tr>
<tr>
<td>Dr. John Kimoff</td>
<td>October 21, 2008</td>
<td>Lecture</td>
</tr>
<tr>
<td>Dr. Christine Saint-Martin</td>
<td>October 28, 2008</td>
<td>Lecture</td>
</tr>
<tr>
<td>Dr. Jeff Chankowsky</td>
<td>October 30, 2008</td>
<td>Grand Rounds supervisor</td>
</tr>
<tr>
<td>Dr. Antoine Chehade</td>
<td>November 4, 2008</td>
<td>Lecture</td>
</tr>
<tr>
<td>Dr. M.S. Gilardino</td>
<td>November 13, 2008</td>
<td>Grand Rounds supervisor</td>
</tr>
<tr>
<td>Dr. Matthew Bromwich</td>
<td>February 9, 2009</td>
<td>MCH speaker</td>
</tr>
<tr>
<td>Dr. Jacques Guilbert</td>
<td>March 5, 2009</td>
<td>Grand Rounds (CMPA)</td>
</tr>
<tr>
<td>Dr. Melissa Vollrath</td>
<td>April 20, 2009</td>
<td>Guest Speaker (MASL)</td>
</tr>
</tbody>
</table>
2.2 Teaching and Learning (Undergraduate and Graduate)

2.2.1 Undergraduate (Dr. Lily Nguyen – Director)

Our Department has a mission to educate medical students in the management of disorders of the ear, nose, and throat, as well as head and neck surgery. I wish to thank all the faculty members who contributed to the teaching of undergraduate students, which is accomplished on a voluntary basis across the four teaching hospital sites.

The Department’s numerous involvements include lectures for the Introduction of Clinical Medicine (ICM) rotations, and supervision during the Practice of Medicine electives. Lecture include topics include “Head and Neck Cancers”, “Head & Neck Emergencies”, as well as “Ears & Hearing Problems”, “Nose, Sinuses and Rhinorrhea” and “Head & Neck Examination Techniques”.

Our department is enjoying an increasing popularity for elective rotations amongst medical students, with 33 students rotating through this last academic year. The feedback from students has been universally positive.

<table>
<thead>
<tr>
<th>Elective Rotation</th>
<th>Number of Students</th>
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<tbody>
<tr>
<td>Canadian Students</td>
<td>27 – McGill University</td>
</tr>
<tr>
<td></td>
<td>1 – McMaster University</td>
</tr>
<tr>
<td></td>
<td>1 – University of Alberta</td>
</tr>
<tr>
<td></td>
<td>1 – University of Ottawa</td>
</tr>
<tr>
<td></td>
<td>1 – Université de Montreal</td>
</tr>
<tr>
<td></td>
<td>1 – Queen’s University</td>
</tr>
<tr>
<td>International Students</td>
<td>1 – Chile</td>
</tr>
</tbody>
</table>

Finally, the research performed by medical students has been of high quality. Indeed, it has resulted in at least four platform presentations at national and international meetings.
2.2.2 Postgraduate (Dr. John Manoukian – Director)

This year our Department will welcome 5 new incoming R1 residents to the program. Two of these residents came through CaRMS positions. They were our 1st and 2nd choices. They are Tamara Mijovic and Ywakim Rania. Our third resident, Alipasha Rassouli, comes to us as a transfer (contingent particular) from the anesthesia department of the University of Western Ontario. Our 4th resident comes to us from the Saudi Mission – Yazeed Al-Ghonaim, and the 5th resident comes from Kuwait – Yaseen Ali.

Moving from R1 (core surgery) to R2 are 4 residents Noah Sands, Yalon Dolev, Saud Al-Romaih and Faisal Al-Obaid.

The McGill Otolaryngology Residency Training program for next academic year is very strong and healthy with a total of 20 residents and with 3 fellows, one in pediatrics (Yaser Al-Rajhi), and another in Rhinology (Yahya Al-Badaai) and the other in the JGH Head & Neck Program as a second year fellow (Hadi Hakami).

The Academic program consisted of the weekly Grand rounds, Hospital and Tumor board rounds, the Academic weekly lectures, the four Journal Clubs, the Visiting Guest Speakers and Visiting Professors Program, the numerous mini-seminars of half and full days and the McGill Simulation center courses.

The grand rounds and lecture series format is in constant change for the better as per resident request and RPC. These changes are coordinated by Dr. Mark Samaha.

Next year academic weekly lecture series will be similar to last year very successful format, judging from the feedback from the residents. Elements that were particularly noted by the residents are the organizational aspect, the structure in blocks focusing on the different subspecialties with exams immediately following each block, and the length of the lectures and quality of speakers.

There were also numerous mini-seminars of half and full days throughout the year which were highly appreciated by the residents. The mini-seminars were in Pediatrics supervised by Dr. Sam Daniel, Vestibular supervised by Jamie Rappaport and two days of Facial Plastic arranged and supervised by Dr. Nabil Fanous.

Our Department uses effectively the McGill Simulation Center for our academic resident teaching activities. There was the successful temporal bone drilling lab course for the residents under the supervision of Dr. Sam Daniel. The teaching of the CanMEDS communication role using professional trained patient actors was again performed very successfully as per the resident’s report, coordinated by Drs. Jamie Rappaport and Michael Hier. The facial plastic course coordinated by Dr. Nabil Fanous on “hands-on” and “didactic” courses on the basic surgical skills performed on pig and other animal models, in addition to teaching on the different facial cosmetic procedures. For the first time the multidisciplinary advanced airway management simulation (AAMS) course was held very successfully for junior residents in otolaryngology, general surgery and anesthesia departments. This was coordinated by Dr. Lily Nguyen and due to the immense success of this course it will be offered to all R1 residents at McGill on an annual basis.

There were five McGill and one Canadian in training written exams as well as two oral exams coordinated by Dr. Anthony Zeitouni in order to assist residents towards the Royal College Certificate exam in the R5 level. All four
McGill residents this year passed successfully their Royal college exam (Jonathan Young, Valérie Brousseau, Yaser Al-Rahji, Yayha Al-Badaai).

The enrichment year was successful with 4 excellent research projects done by Dr. Chris Szeto, Summet Anand, Talal Al-Khatib and Vi Vu. Next academic year (2009/10) the enrichment year start date is already changed to start at the middle of PGYR3 year (January 1) and end at the middle of PGYR4 (December 31). This was done to improve the schedule of the resident’s project completion, in order to better compete in the Resident Poliquin-Medtronic Competition of the Canadian Society of Otolaryngology.

New for the academic year 2008/09, the residents rotating in the research enrichment year had one month of community rotation in the Lakeshore General Hospital. Dr. Richard Lafleur is the Director of the Otolaryngology Division at the Lakeshore General Hospital, the OTL Department also has three other staff (Dr. Roger Lebel, Dr. Jack Rothstein and Dr. Gilles Belisle). This rotation allows residents to experience community type of otolaryngology practice in a small hospital with its affiliated outpatient clinics. Rotation specific objectives and evaluation have been instituted. This is a specific requirement of accreditation for residency programs in Otolaryngology.

The presentations at the Residency Research Day were again at a high standard, there were 14 presentations by residents and medical students. Our department was extremely well represented and involved at the very successful Canadian Society Otolaryngology annual meeting in Halifax, Nova Scotia. We had a total of 15 residents’ podium and poster presentations. The departmental financial policy supports the residents to cover part of their expenses at national and international meetings.

This year each R1 resident in the core surgery program will rotate for a period of one month in the department of Diagnostic Radiology (Head & Neck subspecialty) and another month in the Department of Pathology (Head & Neck subspecialty).

The Residency training Committee met seven times during the past year.

The most important issue regarding our resident training was the successful result of the Royal College’s External Review of our program which occurred on September 4, 2008. The Royal college gave our department FULL APPROVAL, and they stated in their report that this was an outstanding program which deserves “Approval” status.

Finally, I would like to thank each and every one of our Department, who helped me in contributing to the success of our program.
Resident Research Day Schedule

DEPARTMENT OF OTOLARYNGOLOGY
17TH Annual Resident Research Day/James D. Baxter Lectureship
PROGRAM - Thursday, May 7, 2009

10:30 a.m.  Introduction
Dr. Saul Frenkel, Professor & Chairman, Dr. John Manoukian, Program Director,
Moderator

10:35  Lymph node metastasis in thyroid papillary microcarcinoma: Study of 101 patients
Rickul Varshney (Med3)

10:45  Ultrasound-guided fine needle aspiration thyroid biopsies in the ENT Clinic
Joseph Schwartz (Med3)

10:55  Tg: TSH Ratio as a tumor marker for thyroid cancer
Natasha Cohen (Med3)

11:05  Predicting revision surgery for chronic sinusitis in children
Amanda Fanous (Med2)

11:15  Questions and discussions

11:35  Coffee Break

11:55  Advanced airway management simulation (AAMS): An interdisciplinary training session
in airway management
Dr. Keith Richardson (PGY2)

12:05  Otorrhea prevention after PE Tube insertion: Is there a benefit to postoperative Ciprodex
instillation?
Dr. Valerie Côté (PGY3)

12:15  Can pneumatic otoscopy improve the diagnostic accuracy of otitis media with effusion in
a clinical setting? A randomized single-blind control trial.
Dr. Talal Khatib (PGY4)

12:25  Questions and discussions

12:40  LUNCH
1:40  
Location of parathyroid adenomas: 7-Year experience  
Dr. Hani Al-Marzouki (PGY2)

1:50  
Defining success of parathyroidectomy in primary hyperparathyroidism  
Dr. Yalon Dolev (PGY1)

2:00  
Is Hashimoto’s thyroiditis a risk factor for post-thyroidectomy hypocalcemia?  
Dr. Noah Sands (PGY1)

2:10  
Prevention of cisplatin ototoxicity in an animal model  
Dr. Vi Vu (PGY4)

2:20  
Percutaneous tracheostomy  
Dr. Michael Chater (PGY2)

2:30  
Questions and discussions

2:50  
SPECIAL AWARD PRESENTATION TO DR. MARTIN J. BLACK  
ROYAL COLLEGE OF PHYSICIANS & SURGEONS OF CANADA

PHOTO SESSION

3:20  
Management of vocal fold granuloma in a tertiary care center  
Dr. Nadine Yammine (PGY4)

3:30  
Prevention of accidental decannulation in the obese: A prediction equation as a tool for the measurement of pretracheal soft tissue thickness  
Dr. Chris Szeto (PGY4)

3:40  
Sentinel lymph node biopsy in papillary thyroid cancer: Is there a role?  
Dr. Sumeet Anand (PGY4)

3:50  
Persistent adenopathy following chemo/radiation therapy in the N2 and N3 neck: Is neoadjuvant neck dissection indicated?  
Dr. Nathan Jowett (PGY2)

4:00  
Questions and discussions

4:20  
THE MANAGEMENT OF THE FACIAL NERVE IN SKULL BASE SURGERY  
Dr. Joseph Chen, University of Toronto, James D. Baxter Lecturer
Awards were distributed for various presentations and honours from the 2008-2009 academic year as well as the day’s presentations:

Facial Plastics Annual Course Awards (R5 graduation certificates)
- Dr. Yahya Al-Badaai
- Dr. Yaser Al-Rajhi
- Dr. Valérie Brousseau
- Dr. Jonathan Young

Pediatric Awards
Pediatric Research Award – 6th Annual Melvin D. Schloss Lectureship (February 2, 2009)
Best Clinical Presentation:
- Dr. Valérie Côté – 1st prize
- Dr. Talal Al-Khatib – 2nd prize
- Dr. Fahad Al-Saab – 3rd prize

Awards were also handed out to medical students and residents for the day’s best presentations:

Best Student Presentation
- Rickul Varshney

Best Basic Research
- Dr. Sumeet Anand

Best Clinical Research (Jr. – PGY1)
- Dr. Noah Sands

Best Clinical Research (Jr. – PGY2)
- Dr. Keith Richardson

Best Clinical Research (Sr. – PGY3-5)
- Dr. Valérie Côté

Melvin Mendelsohn Temporal Bone Drilling Award 2008-2009
- Dr. Mohammed Al-Essa

“William H. Novick” CanMEDS Resident Award
- Dr. Yahya Al-Badaai
2.2.3 Research Enrichment Year (R3-R4) (Dr. Bernard Segal – Director)

1. Enrichment Year

A. 2008-2009 R4 Enrichment year Projects

Resident: Dr. Christopher Szeto  
Project Title: Can pre-tracheal soft tissue thickness in obese patients be reliably predicted from anthropometric measurements as a means of selecting tracheostomy tube size?  
Names of Supervisor(s): Basic-Science: Dr. James Hanley  Clinical: Dr. Karen Kost  
Sponsoring Research Lab: None  
Names of Collaborator(s): Dr. N. Christou and Dr. A. Roy

Resident: Dr. Vi Vu  
Project Title: Prevention of cisplatinum ototoxicity in an animal model  
Names of Supervisor(s): Basic-Science: Dr. Sam Daniel  Clinical: Dr. Sam Daniel  
Sponsoring Research Lab: McGill Auditory Sciences Laboratory

Resident: Dr. Talal A. Al-Khatib  
Project Title: Pneumatic otoscopy in improving diagnostic accuracy of Otitis media with effusion in a clinical setting: A randomized double blind control trial  
Names of Supervisor(s): Basic-Science: Dr. Maida Sewitch  Clinical: Dr. Lily Nguyen  
Sponsoring Research Lab: None

Resident: Dr. Sumeet Mohan Anand  
Project Title: The role of sentinel lymph node biopsy in papillary thyroid cancer  
Names of Supervisor(s): Basic-Science: Dr. Mark Trifiro  Clinical: Dr. Richard Payne  
Sponsoring Research Lab: LDI  
Names of Collaborator(s): Dr. Michael Hier, Dr. Martin Black, Dr. Michael Tamilia, Dr. Louise Rochon

B. 2009-2010 R3-R4 Enrichment year Projects:

Resident: Dr. Mohammed Al-Essa  
Project Title: The association between Chronic Rhino-Sinusitis (CRS) and Extra-Esophageal Gastric Reflux (EEGR) in pediatrics using pepsin immunoassay  
Names of Supervisor(s): Basic-Science: Dr. Qutayba Hamid  Clinical: Dr. John Manoukian  
Sponsoring Research Lab: Meakins-Christie Laboratories  
Resident: Dr. Valérie Côté
Project Title: Validation of a Pediatric Reflux Finding Score and Questionnaire
Names of Supervisor(s): Basic-Science: Dr. J. Kimoff  Clinical: Drs. J. Manoukian; S. Daniel
Sponsoring Research Lab: MCH OTL & GI Clinics/MUHC Sleep Laboratory
Names of Collaborator(s): Drs. L. Nguyen, V. Morinville, B. Pless, X. Zhang, R. Payne, Ms. H. Bacha, Ms. M. Latremouille

C. Enrichment year Issues

1. New enrichment year start date
Starting in 2009-2010, residents have started their enrichment-year activities during the middle of their R3 year, instead of the beginning of the R4. This should give them more time to work on their projects before presenting their results at the Canadian Head-Neck Society Annual Meeting, and should improve their performance at that meeting.

2. Limited research time
To meet American Board certification requirements, the intensive research period has been reduced to 6 month. This limited time period, the demands of the residency program, as well as difficulties giving priority to research during the enrichment year, is limiting residents’ abilities to obtain high-quality results. Ways to resolve these conflicting needs are needed. While starting the enrichment year in R3 may help improve performance at national meetings, other solutions will also be required.
2.2.4 MSc Program (Dr. Bernard Segal – Director  Dr. Sam Daniel – Associate Director)

A. Master of Otolaryngology Double-program Students

Resident: Dr. Jonathan Young  
Project Title: Measurements of Stress & Strain of the Human Cadaveric Larynx using Digital Imaging  
Names of Supervisor(s): Basic-Science: Dr. Luc Mongeau, Clinical: Dr. Sam Daniel  
Status: MSc3; Write-up of thesis advanced, but not yet submitted

Resident: Dr. Talal A. Al-Khatib  
Project Title: Pneumatic otoscopy in improving diagnostic accuracy of Otitis media with effusion in a clinical setting: A randomized double blind control trial  
Names of Supervisor(s): Basic-Science: Dr. Saleem Razack Clinical: Dr. Lily Nguyen  
Status: MSc 1: Completed intensive research period. On schedule.

Resident: Dr. Valérie Côté  
Project Title: Validation of a Pediatric Reflux Finding Score and Questionnaire  
Names of Supervisor(s): Basic-Science: Dr. J Kimoff Clinical: Drs. J Manoukian; S Daniel  
Status: MSc 1; Just started in R3. Entering intensive research period.

B. Implementing recommendations of Graduate Faculty/Faculty of Medicine review of Master of Science Program

In 2007-8, the OTL Master’s program was reviewed by McGill’s Graduate Faculty & Faculty of Medicine, as were 4 other medical faculty graduate programs. Our program was rated exceptionally highly, but several recommendations to improve our program further were made. Progress in implementing these recommendations follows:

a. Increase size of our program
   1. Our program has been opened for admission 3 times per year instead of only once/year
   2. Our program is now open to any physician
   3. We are considering opening our program to anyone with a doctorate (PhD, Veterinarian)

b. Obtain future clinical staff who can run excellent research programs, ideally at the clinician scientist level
   1. Dr Daniel’s appointment at McGill has been solidified
   2. There remains a need to attract future clinical staff who can run excellent independent research programs

There also remains a need to give priority to the double-program residents’ research activities, giving them as much flexibility as possible within their residency training.
Selection of Master’s projects and supervisors

Projects may be selected from the residency-training manual, or from projects described in Annual Grand Rounds session, “On-going research”. Joint supervision by both a basic scientist and a clinician is required.

Double-program Master of Science

Exceptional McGill OTL residents may be permitted to enter a double-program Master’s, combining both normal residency and Master of Science activities. Double-program activities must start 6 months before the Enrichment year starts, and normally continue after the end of the Enrichment year.

MSc Degree requirements

1. Course work (OTOL-602, OTOL-603, OTOL-612, OTOL-613, and 513-607 (Epidemiology))
2. Attendance at Research Topics seminars with Dr Segal
3. Presentation at Resident Research Day and at a national or international Scientific Meeting
4. Two seminars: (a) A Progress seminar during the first year, (b) A Thesis seminar about 2 months before submission of thesis. On request, the Research Committee may permit combination of these 2 seminars.
5. A thesis. It is expected that thesis material will be lead to at least one paper in a high-quality Journal

MSc course work

The M.Sc. program comprises a minimum of 45 credits as follows:
Physiology, Histopathology and Clinical Otolaryngology 1 OTOL-602 - 3 credits;
Physiology, Histopathology and Clinical Otolaryngology 2 OTOL-612 - 3 credits;
Advanced Scientific Principles of Otolaryngology 1 OTOL-603 - 3 credits;
Advanced Scientific Principles of Otolaryngology 2 OTOL-613 - 3 credits;
Principles of Inferential Statistics in Medicine 513-607 - 3 credits or equivalent;
Thesis 1 OTOL-690 - 3 credits
Thesis 2 OTOL-691 - 3 credits;
Thesis 3 OTOL-692 - 6 credits;
Thesis 4 OTOL-693 - 6 credits;
Thesis 5 OTOL-694 - 12 credits;

When appropriate, courses OTOL-602, OTOL-612, OTOL-603 or OTOL-613 may be replaced by other basic-science or clinical (500-level or higher) courses of relevance to Otolaryngology, as recommended or approved by the Department. Students aiming to acquire an interdisciplinary background will be expected to take additional elective courses, at the undergraduate level if necessary.

Courses

OTOL-602 PHYSIOLOGY, HISTOPATHOLOGY AND CLINICAL OTOLARYNGOLOGY 1 (3 credits). University and hospital rounds and seminars presenting various topics in Clinical Otolaryngology, Dr. S. Daniel (6 hr/wk).
OTOL-603 ADVANCED SCIENTIFIC PRINCIPLES OF OTOLARYNGOLOGY 1 (3 credits). Lectures in advanced basic-science topics of relevance to the otolaryngologist. Dr. S. Daniel (1.5 hr/wk).

OTOL-612 PHYSIOLOGY, HISTOPATHOLOGY AND CLINICAL OTOLARYNGOLOGY 2 (3 credits). University and hospital rounds and seminars presenting various additional topics in Clinical Otolaryngology. Dr. S. Daniel (6 hr/wk).

OTOL-613 ADVANCED SCIENTIFIC PRINCIPLES OF OTOLARYNGOLOGY 2 (3 credits). Lectures in additional basic-science topics of relevance to the otolaryngologist. Dr. S. Daniel (1.5 hr/wk).

EPIB-607 INFERENTIAL STATISTICS (4 credits) Introduction to basic principles of statistical inference. An equivalent course may be substituted, in consultation with the supervisor.

OTOL-690 THESIS 1 (3 credits) A literature search and research proposal under supervision of the research supervisor that leads to a written proposal.

OTOL-691 THESIS 2 (3 credits) Supervised training and research in connection with the Master's thesis.

OTOL-692 THESIS 3 (6 credits) Independent research in connection with the Master's thesis.

OTOL-693 THESIS 4 (6 credits) A seminar and written report to be presented to an ad hoc committee describing appropriate progress at the end of the first year of training.

OTOL-694 THESIS 5 (12 credits) Independent study in connection with the Master's thesis. Presentation of results at a departmental seminar, or at a scientific meeting. Presentation of Thesis seminar about 2 months before the student plans to submit the thesis. Completion and final acceptance of the M. Sc. Thesis by the Department and Faculty of Graduate Studies.
# Suggested Timetable for Courses

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>OTOL-690</td>
<td>Thesis 1</td>
<td>3</td>
</tr>
<tr>
<td>OTOL-691</td>
<td>Thesis 2</td>
<td>3</td>
</tr>
<tr>
<td>OTOL-602</td>
<td>Physiology, Histopathology &amp; Clinical Otolaryngology 1</td>
<td>3</td>
</tr>
<tr>
<td>OTOL-603</td>
<td>Advanced scientific principles of Otolaryngology 1</td>
<td>3</td>
</tr>
<tr>
<td>EPIB-607</td>
<td>Inferential statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

**First year:** First semester (Actual: July-Oct; Minerva: Sept-Dec)

<table>
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<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>OTOL-692</td>
<td>Thesis 3</td>
<td>6</td>
</tr>
<tr>
<td>OTOL-612</td>
<td>Physiology, Histopathology &amp; Clinical Otolaryngology 2</td>
<td>3</td>
</tr>
<tr>
<td>OTOL-613</td>
<td>Advanced scientific principles of Otolaryngology 2</td>
<td>3</td>
</tr>
</tbody>
</table>

**First year:** Second semester (Actual: Nov-Feb; Minerva: Jan-Apr)

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<tr>
<th>Course Number</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>OTOL-693</td>
<td>Thesis 4</td>
<td>6</td>
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</table>

**First year:** Third semester (Actual: Mar-Jun; Minerva: Jan-Apr)

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<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>OTOL-694</td>
<td>Thesis 5</td>
<td>12</td>
</tr>
</tbody>
</table>

**Second year:** Fourth semester (Actual: Jul-Oct; Minerva: May-Sept), possibly 5th semester (Nov-Feb) & 6th (Mar-Jun)

**Totals:** 45
### Summary of Activities of Enrichment-year Double-Program-Master’s Students

#### Year preceding start of Enrichment year

<table>
<thead>
<tr>
<th>Month</th>
<th>Activity</th>
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<tbody>
<tr>
<td>Nov-Jan</td>
<td>Find research project and two supervisors (Basic &amp; Clinical).</td>
</tr>
<tr>
<td></td>
<td>Exceptional candidates should explore possibility of applying for grant with proposed supervisor</td>
</tr>
<tr>
<td>Feb 27</td>
<td>Submit Preliminary version of Research Proposal Form (see Dr Segal) to Research Committee</td>
</tr>
<tr>
<td>March</td>
<td>Submit timetable for activities and courses to Research Committee</td>
</tr>
<tr>
<td>March-June*</td>
<td>Apply for admission to Master’s on MINERVA (see web for deadline)</td>
</tr>
<tr>
<td>April-June</td>
<td>Obtain ethics approval, if required</td>
</tr>
<tr>
<td>May-June</td>
<td>Consider taking Epidemiology Course during the summer</td>
</tr>
</tbody>
</table>

#### Enrichment-year & Double-program-Master’s starts

<table>
<thead>
<tr>
<th>Month</th>
<th>Activity</th>
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</thead>
<tbody>
<tr>
<td>July</td>
<td>Progress tracking starts, using 6-month cycle (July-Dec; Jan-Jun)</td>
</tr>
<tr>
<td>July 30*</td>
<td>Submit Progress Tracking Forms (resident &amp; supervisors: Form 1, Jul-Dec)</td>
</tr>
<tr>
<td>July</td>
<td>Review literature and work on Initial version of Research Proposal Form</td>
</tr>
<tr>
<td>July</td>
<td>Double-program initial research starts</td>
</tr>
<tr>
<td>Oct 1</td>
<td>6-month intensive research block starts</td>
</tr>
<tr>
<td>Dec 31*</td>
<td>Deadline for submission of Final version of Research Proposal Form for OTOL-690 (Thesis 1)</td>
</tr>
</tbody>
</table>

#### Jan 5*

- Submit Progress Tracking Form (resident: Form 2, Jul-Dec)
- Submit Progress Tracking Forms (supervisors: Form 3, Jul-Dec) (resident & supervisors: Form 1, Jan-Jun)

<table>
<thead>
<tr>
<th>Month</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan</td>
<td>Informal progress report to Research Committee</td>
</tr>
<tr>
<td>Jan</td>
<td>Analysis and paper writing phase begins</td>
</tr>
<tr>
<td>Mar 31</td>
<td>6-month intensive research block ends</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Month</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apr 1</td>
<td>Analysis and paper writing continues during clinical rotations</td>
</tr>
<tr>
<td>May</td>
<td>Presentation at Departmental Research Day and at National meeting for OTOL-693 (Thesis 4)</td>
</tr>
<tr>
<td>Jun 15*</td>
<td>Submit Progress tracking Form (resident Form 2, Jan-Jun)</td>
</tr>
<tr>
<td>Jun 15*</td>
<td>Submit Final Report required for OTOL-693 (Thesis 4)</td>
</tr>
<tr>
<td>June 30*</td>
<td>Submit Progress Tracking (Supervisors: Form 3, Jan-Jun)</td>
</tr>
</tbody>
</table>

#### Enrichment-year ends: double-program Master’s continues

<table>
<thead>
<tr>
<th>Month</th>
<th>Activity</th>
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</thead>
<tbody>
<tr>
<td>Jul-Jun</td>
<td>Progress Tracking continues using 6-month cycle, as in previous year</td>
</tr>
<tr>
<td>Aug (Dec)</td>
<td>Thesis Seminar (2 months before thesis submission) may be required</td>
</tr>
<tr>
<td>Sept (Jan)</td>
<td>Submit advanced draft of thesis to Research Committee for Thesis-Submission Approval, at least 1 month before Graduate Faculty submission.</td>
</tr>
<tr>
<td>Oct (Feb)</td>
<td>Submit acceptable thesis to Graduate Faculty for OTOL-694 (Thesis 5)</td>
</tr>
</tbody>
</table>

* denotes deadline
2.2.5 Fellowship Program (Dr. Jamie Rappaport – Director)

Fellowships for 2008-2009 academic year:

Dr. Hadi Hakami (Head & Neck; supervisors: Drs. Hier/Black/Payne)
- Dr. Hakami will be continuing a second year of Head & Neck fellowship training at the JGH.

Dr. Fahad Al-Saab (Pediatrics; supervisors: Drs. Daniel/Manoukian/Nguyen/Schloss)
- Dr. Al-Saab will be returning to Saudi Arabia where he will be the only fellowship-trained pediatric Otolaryngologist at King Abdul Aziz Medical Center.

Fellowships for 2009-2010 academic year:

Dr. Hadi Hakami (Head & Neck; Drs. Hier/Black/Payne)
Dr. Yahya Al-Badaai (Rhinology; Drs. Samaha/Desrosiers/Frenkiel)
Dr. Yaser Al-Rajhi (Pediatrics; Drs. Daniel/Manoukian/Nguyen/Schloss)

The Post-Graduate Office at McGill’s Medical School has formalized the process for creation and continuation of accredited fellowship programs at the University. These require evaluations of and by fellows for each fellowship program, as well assurance by the Residency Training Committee that the fellowship is not impacting negatively on the training of residents. Positive reviews were submitted to the Associate Dean for both Pediatric and Head & Neck Fellowships this past year.

The deadlines for Fellowships applications are as follows:
- Fellowship on-line applications (applicants): September 01, 2009 for training during the 2010-11 academic year.

Any questions about the fellowship process can be addressed to Ms. Dolly Rabbath at: pgfellows.med@mcgill.ca or by phone at: (514) 398-8264. Their website has been updated with the new information about the deadlines and the required documents:
http://www.medicine.mcgill.ca/postgrad/admission_nonministryfunded.htm
2.2.6 Continuing Medical Education (Dr. Ted Tewfik – Director)

1. Dr. Eric Blom from Colorado gave an interesting presentation on the “Management of tracheosophageal voice restoration problems and complications” at our university grand rounds on September 18, 2008.

2. Dr. David Zee, Professor, Department of Neurology at the Johns Hopkins University School of Medicine, Baltimore, Maryland gave the 12th Annual McNally Memorial Lecture on “Disorders of the cerebellum: clues as to how the brain controls the vestibuloocular reflex” on November 6, 2008.

3. Dr. Clark Rosen, Associate Professor, Department of Otolaryngology, University of Pittsburgh School of Medicine & Department of Communication Science and Disorders, gave the 66th Herbert Birkett Memorial Lecture on “Vocal fold injection 2008” and held a resident teaching session on “12 Steps to improved phonomicrosurgery” on December 5, 2008.

4. The 6th Melvin D. Schloss Lectureship was held at the Montreal Children’s Hospital on February 2, 2009. Dr. Vito Forté, Chief of Pediatric Otolaryngology at the Hospital for Sick Children, from the University of Toronto was our guest speaker. He gave an interesting talk on “Surgical management of thyroid diseases in children.” A pediatric otolaryngology academic day followed where residents presented excellent cases. This has become the annual research/clinical pediatric competition in our Department.

5. Dr. Jacques Guilbert from the Canadian Medical Protection Association was invited to give a very interesting talk on March 5, 2009 on “Liability issues for ENT surgeons.”

6. The 12th Annual Raymer Lecture held at the Jewish General Hospital on April 30th, 2009 was presented by Dr. Dominique Dorion, Chief of Otolaryngology Head and Neck Surgery at the University of Sherbrooke. His topic was on “Anybody cares about the surgeon’s QOL after surgery?”

7. On May 7th, 2009 Dr. Joseph Chen, Associate Professor, Department Otolaryngology – Head & Neck Surgery from the University of Toronto was the invited guest at our 17th Annual Resident Research Day/James D. Baxter Lectureship. His topic was on “The management of the facial nerve in skull base surgery.”

8. The Department held a successful CME Course – 13th Annual Update in Otolaryngology Course at Mont Tremblant, QC, March 20, 21 & 22, 2009. Registrants were from across Canada and the US.
2.2.7 Rotation to the Quebec North – Kuujjuaq, Pivurnituq, Inukjuak, Ivujivik, Salluit

During the residency program, residents at all levels have the opportunity to spend one to three weeks in Northern Quebec with an Otolaryngology staff member. Although not compulsory, this rotation is strongly encouraged and seems to be enjoyed by the vast majority of residents. This rotation allows residents to experience rural medicine in a culturally and geographically unique Canadian Inuit society.

Nunavik is the arctic portion of Northern Quebec. The region is divided into two geographic areas: the Ungava Bay region and Hudson’s Bay Region. Dr. Karen Kost is the Director of Otolaryngology at the Centre Hospitalier Inuutsilivik in Pivurnituq. Dr. Jamie Rappaport coordinates otolaryngology health services at the Tulattavik Heath Centre in Kuujjuaq. Drs. Kost, Daniel and Sweet provide services to the Hudson’s Bay Region, while Dr. Rappaport (and occasionally Drs. Samaha and Zeitouni) service the Ungava Bay region.

During their week in the North, residents have the opportunity to work one on one with their staff during outpatient clinics and in the operating room. This allows for intense teaching and has significant educational benefits for both the ambulatory setting and in the operating room, where the pressures of a large hospital do not apply. During a five-day workweek, surgery is scheduled for a minimum of 4 out of the 5 days, and consists primarily of otological procedures. Residents are taught step by step, and one on one, how to perform a tympanoplasty with a graded increment of technical experience being acquired over the week. By the end of the week, most residents are able to perform a Type I tympanoplasty entirely on their own. Dr. Rappaport has performed stapedectomies and ossiculoplasties in Kuujjuaq as well.

In the ambulatory setting, residents are exposed to a wide variety of otolaryngology complaints with a predominance of otology related disorders. These include hearing loss, tympanic membrane perforations and other abnormalities, as well as malignancies particular to the Inuit population such as nasopharyngeal carcinoma. Audiologic screening in Kuujjuaq is coordinated by Hannah Ayukawa, an Audiologist affiliated with the Montreal Children’s Hospital. In addition to the academic value of the rotation, weather conditions and time permitting, residents are taken out into the tundra and may participate in activities such as igloo building, snowmobiling and ice fishing. Local wildlife is often encountered. The CanMEDS roles are actively integrated into this rotation as they are into other rotations.
2.3 Research

2.3.1 Departmental Laboratories

OTL Research Laboratory: (Dr. A. Katsarkas, Dr. H. Galiana)
(Submitted by Dr. A. Katsarkas)

The Dizziness Clinic. This Clinic continues to function without interruption at the Royal Victoria Hospital. Cases are practically referred from all over Quebec and as of a few days ago we have evaluated 23,665 patients during 61477 visits. A number of these patients undergo routine ENG testing (about one out of three) and VEMP (Vestibular Evoked Myogenic Potentials) testing. Some of these patients undergo also more advanced testing (rotational). Almost 30% of these patients are referred from or to Neurology. Some of these patients are evaluated in expertise at the request of various insurance companies or la Société d’Assurance Automobile du Québec (SAAQ). The routine ENG laboratory continues to function in conjunction with the Dizziness clinic. In addition, in the laboratory we also evaluate patients referred from the MUHC medical staff for ENG assessment.

During the past year part of the clinical and research work was presented at the annual meeting of the Association of OTL of Quebec and an international meeting in Thessaloniki, Greece where I was also a guest speaker. In addition, I published a review article on dizziness in aging in the American journal of Geriatrics. Other papers were also published from the Department of Biomedical Engineering.

The OTL Vestibular Research Laboratory. The research continues by testing volunteers and patients with known specific disease entities who do not need such testing for diagnosis and patients who need further testing for diagnosis and in defining their functional capabilities after loss of vestibular function. The latter are referred from the Dizziness Clinic. The data processing is carried out by graduate students and Ms. Heather Smith, M.Eng. as during the previous years. This project is supported by grants from CIHR until the year 2010. Dr. H. Galiana, who is presently the Chair of the Department of Biomedical Engineering, supervises the data processing. The clinical aspects are supervised by Dr. A. Katsarkas.

At present, the testing on the rotating chair takes less than half an hour in comparison to the same testing, which a few years ago would last for more than an hour. The difference is due mainly to the work by Ms. Heather Smith. Our research continuously unravels aspects of vestibular pathology a point that is essential in our technological world especially for people who work under conditions, which require accurate postural control, e.g. pilots, construction workers and others.

The work on the rotating platform continues and once again we are grateful to Dr. Ross Wagner, a biomedical engineer from the Department of Biomedical Engineering, for his invaluable assistance in the laboratory.
McGill Auditory Science Laboratory: (Dr. Sam Daniel)

The McGill Auditory Sciences Laboratory has gained national and international reputation. The focus of our work is on the prevention of ototoxicity using an animal model that we developed. Other work on neonatal hearing screening and middle ear mechanics is done jointly with Dr. Funnell. The third focus is on laryngeal mechanics in collaboration with Dr. Mongeau.

No doubt, our laboratory is the best funded otolaryngology laboratory in Canada and certainly one of the best funded world-wide. Dr. Daniel’s application ranked first at the very difficult FRSQ Fundamental Committee. His CIHR application on ototoxicity ranked 2nd at the equally difficult CIA committee. Dr. Daniel was also awarded a CFI equipment grant for $350,000. This will allow us to purchase the latest technology for hearing assessment.

Our laboratory is so active that we currently employ a full-time veterinarian on-site. Our weekly laboratory rounds held in the board room on Mondays currently involve three to five other McGill laboratories and cover a large breadth of otolaryngology research. All are welcome to attend.

This year we had two visiting professors spend time in our laboratory:
- Dr Wilhem Decraemer, a world authority on middle ear mechanics, part of his research sabbatical year, September 29 - October 8, 2008
- Dr Hanif Ladak, Robarts Research Institute, University of Western Ontario, July 2008

Scientific Projects

Clinical

- * Dr Jonathan Young, Department of Otolaryngology, McGill University.
  Program: Master of Science (Otolaryngology) started in 2007, expected completion 2009.
  Topic: Mechanics of the human larynx.
  Co-supervised with Dr Luc Mongeau
  Award: Principal’s Graduate Fellowship, July 2008 ($2500)

- * Dr Sumeet M Anand, Department of Otolaryngology, McGill University.
  Program: Master of Science (Experimental Surgery), started in 2005, completed in 2008.
  Topic: Correlation between tumor and nodal volume and survival in Head & Neck Cancer.
  Sole supervisor
  Funding: “Bourse de formation de maitrise” training scholarship award from the FRSQ
  Presentation:
  Manuscript: In preparation
Basic

- * Dr. Raymundo Munguia, Department of Surgery, McGill University
  Program: Doctor of Philosophy (PhD), Major: Experimental Surgery Thesis.
  Started at PhD level 2 in 2006 (Fast-track), expected completion 2010.
  Topic: Prevention of chemotherapeutic ototoxicity in a chinchilla model.
  Sole supervisor
  Funding: CIHR grant

- * Nima Maftoon, Department of Biomedical Engineering, McGill University.
  Program: Doctor of Philosophy (PhD) started in September 2008 expected completion September 2012.
  Topic: Computerized assessment of cochlear hair cell damage on electron microscopy.
  Co-supervisor with Dr WRJ Funnell
  Funding: CIHR grant

- * Dr. Georges Makhoul, Department of Surgery, McGill University.
  Program: Master of Science (Experimental Surgery) started in 2008, expected completion 2010.
  Topic: Prevention of cisplatinum ototoxicity, the role of Curcumin.
  Sole supervisor
  Funding: Sickkids Foundation and CIHR grants

- * Ms Denise Murphy, Department of Surgery, McGill University.
  Program: Master of Science (Experimental Surgery), started in 2008, expected completion 2010.
  Topic: Prevention of cisplatinum ototoxicity, a clinical trial.
  Sole supervisor
  Funding: CIHR grant
  Award: Principal’s Graduate Fellowship, July 2008 ($2500)

- * Dr Yalon Dolev, Department of Otolaryngology, McGill University.
  Program: Master of Science (Experimental Surgery), started in 2008, expected completion 2010.
  Topic: 3-D volumetric analysis of tumour burden in Head & Neck cancer
  In Progress

- * Shruti Nambiar, Department of Biomedical Engineering, McGill University.
  Topic: Laser Doppler vibrometry measurement of the gerbil ear drum
  Co-supervisor with Dr WRJ Funnell
  Funding: NSERC (Dr Funnell)
  Presentation: Mechanical properties of the gerbil ear drum and research implications. Canadian Life Science Research conference, Toronto, November 2008

Grants Received

- Quebec Health Research Fund – Fonds de Recherche en Santé du Québec (FRSQ) – peer-reviewed
  This application ranked first in the “Fundamental Sciences Committee”
Program: Chercheurs-boursiers cliniciens
Type of research: Fundamental

Project: Expériences en sciences auditives : Prévention de l’ototoxicité; diagnostique et traitement de la surdité conductive.
Total Amount: $100,970 – (2008-2011)

- CIHR Operating Grant.
  This application ranked 2nd in the Clinical Investigation A Committee
  Project: Prevention of Cisplatinum ototoxicity.
  Principal Investigator
  Total Amount: $350,000
  Funding period: April 2008- April 2011

- National Institutes of Health (NIH) (USA). Design, construction, and evaluation of implants for vocal fold alteration and reconstruction.
  Co-applicant with Dr Luc Mongeau. Total amount $2,063,038.
  Funding period: December 2008-September 2011

- Canadian Foundation for Innovation Leaders Opportunity Fund.
  Ototoxicity research and middle ear mechanics
  Principal applicant. Total amount $350,000.
  Funding: December 2008

- Grant No XG 07-060R. Sickkids Foundation New Investigator Grant (peer-reviewed),
  Project: Prevention of cisplatinum ototoxicity
  Principal investigator
  Total amount $129,880 – August 2007-2009

- CIHR Institute of Human Development, Child and Youth Health Operating grant – New investigator grants program.
  Project: Prevention of cisplatinum ototoxicity
  Principal investigator
  $30,000 – 01/09/2007-31/08/2008

- CIHR operating grant, Institute of Circulatory and Respiratory Health.
  Project: Fluid-structure interactions within the human larynx
  Co-PRINCIPAL INVESTIGATOR with Luc Guy Mongeau, Rosaire Mongrain, Francois Barthelat – My part is 25%
  Total amount: $276,000 – 01/07/2007- 30/06/2011

- Clinical Trial “C05-35 Safety and efficacy of topical Moxidex otic solution in the treatment of acute otitis media with otorrhea through tympanostomy tubes (AOMT)” $54,000 - 2 years

- Research Grant MUHCRI, MCHRI, $75,000 in 2008.
Auditory Mechanics Laboratory (Dr. Robert Funnell)

In spite of an almost complete lack of research funding, my lab continued to make significant progress this year. A one-year CIHR grant was received in April.

I continued my collaborations, most notably with Willem Decraemer from Belgium and Sam Daniel in Otolaryngology. Decraemer visited here twice, for 2 weeks in the fall and again in May; then and over the rest of the year we wrote a paper which is currently under review, and worked on a conference presentation. Li Qi had a second major modelling paper published and successfully defended his Ph.D. thesis. Three students (one from Chile, two from McGill) spent time in the lab over the summer. In Sam Daniel’s lab at the Montréal Children’s Hospital, new measurements of eardrum vibrations in the gerbil were made; Nima Maftoon, a new Ph.D. student, made excellent progress both in learning to do his own surgery and experiments and in modelling. Decraemer had a new piece of apparatus constructed in Antwerp for use here.

In teaching, I have continued work on the use of interactive 3-D models in medical and dental teaching at McGill. I arranged to have 3-D viewers installed on the student computers in the Strathcona and McIntyre Buildings. My models of the pelvis were used in 3 medical-student lectures in the fall, and my models of the ear and skull were made available to the students in the spring. I have developed a new 3-D viewer that is particularly good for this purpose, and also developed a method for displaying 3-D models on a Web page with no special software. I was invited to demonstrate the models to the Basis of Medicine unit chairs. I also demonstrated the models and the new methods for displaying them at the McGill Teaching & Technology Fair.

I was involved with Zsuzsanna Bencsath-Makkai in working on the Histology Atlas of Drs. Clermont and Lalli. I also continued to provide on-line quizzes for Unit 4 of the medical curriculum, and analysis of student evaluations for use in medical students’ Dean’s letters. I took part in the Biomedical Engineering Careers Panel organized by the Engineering Career Centre of the Faculty of Engineering, and attended the Transdisciplinary Workshop.

Research:

- Collaborations with
  - Willem Decraemer & Joris Dirckx, Antwerp (Medical Physics) [international]
  - Hanif Ladak, Univ. Western Ontario (Medical Physics)
  - Sam Daniel, McGill (clinician scientist, Otolaryngology) and other clinicians in the Department of Otolaryngology
  - Dusica Maysinger, McGill (Pharmacology)
- Li Qi’s successfully defended his Ph.D. thesis. The second major paper based on his doctoral research on the mechanics of the newborn ear was published by *J. Acoust. Soc. Am.*
- Willem Decraemer visited here in the fall and again in the spring. We wrote a paper which is currently under review, and worked on a conference presentation. Our invited book chapter was published. Decraemer also had a new piece of apparatus constructed in Antwerp for use here.
- Three students (one from Chile, two from McGill) spent time in the lab over the summer.
In Sam Daniel’s lab at the Montréal Children’s Hospital, new measurements of eardrum vibrations in the gerbil were made; Nima Maftoon, a new Ph.D. student, made excellent progress both in learning to do his own surgery and experiments and in modelling. We received a visit by Hanif Ladak from UWO.

- The results of collaboration with Michel Audette in Germany were presented by him at the prestigious MICCA conference and published as a 10-page conference paper.
- The results of Shruti Nambiar’s project in collaboration with Louis Collins and Mallar Chakravarty, applying their non-linear brain warping techniques to the middle ear, was presented at a conference.
- Further work was done with Dusica Maysinger in Pharmacology, applying 3-D visualization and quantification methods to fluorescence optical sectioning microscopy and quantum dots.
Wireless Informatics in Health Care: (Dr. Bernard Segal)

Overview

This Laboratory aims to facilitate safe wireless informatics usage in healthcare by unblocking obstacles to wireless usage in healthcare. These activities are establishing (I) Wireless patient safety today, including determining the importance of real-life (close-in) immunity testing; (II) Wireless patient safety tomorrow, by permitting thousands of wireless sources to operate side by side, while maximizing context-aware health-data communication.; and (III) Estimation of Cost-Benefits of Wireless. The benefits of this study should improve healthcare and also reduce healthcare costs.

To implement these activities, a wireless system has been installed in the emergency room of the Royal Victoria Hospital. A low-error location system will be installed within the year. Over 2000 patients from 3 emergency rooms (Royal Victoria Hospital, Montreal General Hospital, St Mary’s Hospital) are already participating.

Research team

Dr Segal is the Principle Investigator of a highly-inter-disciplinary (otolaryngology, engineering, epidemiology, medicine) multi-hospital (Jewish General Hospital, MUHC (RVH & MGH), St Mary’s Hospital), multi-university (McGill, Concordia, University of Montreal) research project. Collaborators include:

- Chris Trueman  Engineering   Concordia
- Lise Poissant  Rehabilitation Medicine  University of Montreal
- Fabrice Labeau  Engineering   McGill
- Robyn Tamblyn  Epidemiology  McGill
- Allen Huang  Internal Medicine (geriatrics)  McGill
- Marc Beique  Emergency Medicine  MUHC
- Vedat Verter  Management   McGill
- Jorge Pomalaza  Information Technologies MUHC IT
- Tho Le-Ngoc  Engineering   McGill
- Diane Doran  Nursing    University of Toronto

Trainees include:
- Donald Davis   Post-doctoral Fellow  2007-08 $36,000
- Gilberto Vasquez Research Engineer  2007
- Goldenberg, M  Research Engineer  2008
- Quach, J  Research Engineer  2009

Grants

   PI: Segal B, with Trueman C, Poissant L, Tamblyn R, Huang A, Beique M, Verter V, Pomalaza J
PROMPT (FQRNT-coordinated internationally-peer-reviewed grant) 2008-2010 $104,925

   Co-PI: Segal B, Labeau F
   Bell Canada (FQNRT-coordinated internationally-peer-reviewed grant) 2009: $65,50

c. “Location-assisted clinical communications”
   PI : Labeau F, with Segal B, Le-Ngoc T, Trueman C, Doran D
   NSERC CRD 2008-2010 $283,582

   PI: Segal B, with Trueman C, Poissant L, Tamblyn R, Huang A, Beique M, Sorge R, Graves A
   PROMPT (FQNRT-coordinated internationally-peer-reviewed grant) 2006-2009 $150,000

e. “Wireless Healthcare: Implementation & Applications”
   PI: Segal B, with Trueman C, Poissant L, Tamblyn R, Huang A, Beique M, Sorge R
   Bell University Laboratories (FQNRT-coordinated internationally-peer-reviewed)
   2006-2009: $130,000

   PI: Segal B, with Trueman C, Poissant L, Tamblyn R, Huang A, Beique M, Sorge R
   Nortel Networks (FQNRT-coordinated internationally-peer-reviewed grant) 2006-2008: $130,000

Total 2006-2010 $864,007

Publications

Refereed Journal Papers (* denotes trainee)

Refereed Conference-Proceeding Multi-page Papers
Presentations (Non-refereed)
2.3.2 Research Projects and Grants

Daniel, Sam
Quebec Health Research Fund – Fonds de Recherche en Santé du Québec (FRSQ) – peer-reviewed
Program: Chercheurs-boursiers cliniciens
Type of research: Fundamental
Project: Expériences en sciences auditives : Prévention de l’ototoxicité; diagnostique et traitement de la surdité conductive.
2008-2011
Total Amount: $100,970

Daniel, Sam
CIHR Operating Grant.
Project: Prevention of Cisplatinum ototoxicity.
Principal Investigator
April 2008-April 2011
Total Amount: $350,000

Daniel, Sam
co-applicant with Dr. Luc Mongeau
National Institutes of Health (NIH) (USA)
Design, construction, and evaluation of implants for vocal fold alteration and reconstruction.
December 2008-September 2011
Total amount $2,063,038

Daniel, Sam
Canadian Foundation for Innovation Leaders Opportunity Fund
Ototoxicity research and middle ear mechanics
Principal applicant
December 2008
Total amount $350,000

Daniel, Sam
Grant No XG 07-060R. Sickkids Foundation New Investigator Grant (peer-reviewed)
Project: Prevention of cisplatinum ototoxicity
Principal investigator
August 2007-2009
$129,880

Daniel, Sam
CIHR Institute of Human Development, Child and Youth Health Operating grant – New investigator grants program
Project: Prevention of cisplatinum ototoxicity
Principal investigator
September 1, 2007-August 31, 2008
$30,000

Daniel, Sam
CIHR operating grant, Institute of Circulatory and Respiratory Health
Project: Fluid-structure interactions within the human larynx
Co-PRINCIPAL INVESTIGATOR with Luc Guy Mongeau, Rosaire Mongrain, Francois Barthelat – My part is 25%
July 1, 2007-June 30, 2011
$276,000 (25% of this amount = $69,000)

Daniel, Sam
Clinical Trial “C05-35 Safety and efficacy of topical Moxidex otic solution in the treatment of acute otitis media with otorrhea through tympanostomy tubes (AOMT)”
2 years
$54,000

Daniel, Sam
Research Grant MUHCRI, MCHRI
2008
$75,000

Funnell, Robert
CIHR operating
Hearing screening and diagnosis in newborns
2009
$100,000/year

Galiana, Henrietta
CIHR (Canada) Operating Grant
The role of central topology in sensory motor control strategies
2005-2010
$78,822/year

Galiana, Henrietta
CIHR (Canada) Operating Grant
Novel Protocols and algorithms to measure the VOR
Athanasios Katsarkas
2005-2010
$98,150/yr

Galiana, Henrietta
NSERC Discovery Grant (RGPIN 6662)
Signal processing, identification and control in switched non-linear systems
2007-2013
$58,590 /yr

Hier, Michael
Canadian Institutes of Health Research
Natural history of oropharyngeal cancer precursors – a pilot study.
Principal Investigator: P.J. Allison
Co-investigators: E. Franco, T. Belbin, N. Schlecht, F. Coutlée
Collaborators: M. Hier, M. Black
September 2008 – September 2011
$349,980
Grants from three sources:

i. American academy of Otolaryngology – Head and Neck Surgery (American Laryngological Association), amount $10,000 USD

ii. Montreal Children’s Hospital Research Institute, amount $7,500 CND

iii. McGill Head and Neck Research Fund, amount $12,000 CND.

Grant: McGill University Otolaryngology fund and Meakins-Christie Laboratories amount $12,000 CD

Segal, Bernard  PROMPT (FQRNT-coordinated internationally-peer-reviewed grant)
“Wireless Healthcare: Implementation & Applications: Use of Wireless and Location Information in a Québec Emergency Room”
PI: Segal B, with Trueman C, Poissant L, Tamblyn R, Huang A, Beique M, Verter V, Pomalaza J
2008-2010
$104,925

Segal, Bernard  Bell Canada (FQNRT-coordinated internationally-peer-reviewed grant)
“Wireless Healthcare: Implementation & Applications” & “Location-assisted wireless communication.”
Co-PI: Segal B, Labeau F
2009
$65,500

Segal, Bernard  NSERC CRD
“Location-assisted clinical communications”
PI: Labeau F, with Segal B, Le-Ngoc T, Trueman C, Doran D
2008-2010
$283,582

Segal, Bernard  PROMPT (FQNRT-coordinated internationally-peer-reviewed grant)
“Wireless Healthcare: Implementation & Applications: Minimization of medication errors in a Quebec emergency room using wireless information”
PI: Segal B, with Trueman C, Poissant L, Tamblyn R, Huang A, Beique M, Sorge R, Graves A
2006-2009
$150,000

Segal, Bernard  
Bell University Laboratories (FQNRT-coordinated internationally-peer-reviewed)  
“Wireless Healthcare: Implementation & Applications”  
PI: Segal B, with Trueman C, Poissant L, Tamblyn R, Huang A, Beique M, Sorge R  
2006-2009  
$130,000

Segal, Bernard  
Nortel Networks (FQNRT-coordinated internationally-peer-reviewed grant)  
“Wireless Healthcare: Implementation & Applications”  
PI: Segal B, with Trueman C, Poissant L, Tamblyn R, Huang A, Beique M, Sorge R  
2006-2008  
$130,000

Other Research Projects: (clinical)

**Dr. Françoise Chagnon**

Nosocomial infections in a rehabilitation Center, collaborator Dr A. Haddadi, Phd

The young singer’s voice, collaborator J.Raby and JF Raby

**Dr. Sam Daniel**

**Collaborative research**

Dr Mohamed Al-Essa, The association between chronic rhino-sinusitis (CRS) and extra-esophageal gastric Reflux (EEGR) in pediatrics using pepsin immunoassay.

Dr Fahad Al-Saab, Laryngopharyngeal reflux and Otitis media

**Dr. Saul FrenkieI**

Research collaborator, “Establishment of a human airway epithelial cell culture core facility,” with Dr. Renaud Robert, Dr. John Hanrahan (PI-CIHR grant), Department of Physiology, McGill University.
Virtual Sinus Endoscopy project – Combined effort with the Department of Radiology to refine the technique of virtual sinoscopy.

**Dr. Lily Nguyen**

Collaborator, Multi-centre study
"Does treating obstructive sleep apnea in obese Canadian children improve insulin resistance? A multi-centre prospective cohort study" (Co-Principal Investigators: Dr Evelyn Constantin (MCH); Dr. Sherri Katz (CHEO))
Operating grant, submitted to Sick Kids Foundation National Grants Competition, February 2009
Funds requested: $267,438.11 (results of competition, September 2009)

Collaborator
“McGill Program for Primary Respiratory Epithelial Cell Cultures from Nasal Brushings” (Principal investigator: Dr Larry Lands)
Funded through the BREATHE Initiative of the Canadian CF Foundation
This project has several components including providing cells for testing novel treatments to activate CFTR and will also be used to test novel anti-inflammatory therapies.

Collaborator
“Proteomics in children with asthma: A comparison to children with rhinitis and healthy children” (Principal investigator: Dr Larry Lands)
Funded by the Gosselin Foundation

**Ongoing Studies**
Development of an Airway Basics Course (currently 80 junior residents involved).
Clinical study looking at the short and long improvement in intubation and bag-masking skills after attendance in the Airway Basics Course.
Clinical study comparing radiographic classification of pediatric temporal bone fractures
Clinical study: quality assessment of RCT reporting in the otolaryngology literature (application of the CONSORT recommendations).
Clinical study examining burnout in Canadian Otolaryngology residents

**Dr. Mark Samaha**

Proteomics of nasal mucus in chronic sinusitis
Pterygopalatine injection to minimize bleeding in ESS
Silent sinus syndrome
Outcomes of ESS
Cost-effectiveness chronic sinusitis treatment in asthma pts
Endoscopic excision of sinonasal neoplasms
2.4 Promotions and Recruitment

Promotions

Dr. Sam Daniel
- Promoted to rank of Associate Professor, tenured
- Appointed as Chief, Division of Otolaryngology-Head and Neck Surgery
  Montreal Children’s Hospital

Anticipated Recruitment

Dr. Alex Mlynarek, Head and Neck Surgery (July 1, 2009)
- Completing two years of fellowship in head and neck oncology and microvascular reconstruction,
  University of Alberta (1 year), University of Auckland (1 year)

Dr. Marc Tewfik, Rhinology & Skull Base Surgery (July 1, 2010)
- Two years of fellowship, University of Adelaide

Dr. Jonathan Young, Laryngology (July 1, 2010)
- One- to two-year fellowship, Massachusetts Eye and Ear Institute, Harvard University
2.5 Academic Staff Activities

Dr. Martin J. Black

Current Positions

Associate Professor, Department of Otolaryngology, McGill University
Director of Head and Neck Oncology, McGill University

Presentations

Special head & neck lecture to senior medical students, annual refresher course

Dr. Mindy Black

Current Positions

Assistant Professor, Department of Otolaryngology, McGill University
McGill University medical school admissions committee
Reviewer for Journal of Otolaryngology
Residency Program Committee member, Department of Otolaryngology
Canadian Society of Otolaryngology, CMA/CMA

Dr. Françoise Chagnon

Current Positions

Director of professional services, Institut de réadaptation Gingras Lindsay de Montreal
Associate otolaryngologist, St-Mary's Hospital
Associate otolaryngologist, Institut Universitaire de Gériatrie de Montreal
Assistant Professor, Department of Otolaryngology, McGill University

Committees

Professional affairs committee, Quebec Medical Association
Health Policy and Economics Committee, Canadian Medical Association Committee
Health Advisory Council, Royal Roads University
Regional Advisory Council, region 04 (Quebec) Royal College of Surgeons of Canada
Teaching Activities

2 lectures to speech-language pathology students, Université de Montréal, École d’audiologie et d’orthophonie

2 lectures to medical and professional staff, Institut Universitaire de Gériatrie de Montréal

Lecture to medical and professional staff, St-Mary's Hospital, Dept. of Otolaryngology

Mentorship
Mentoring of Dr N. Blouin and Dr M. Lafleur, in dysphagia management (3 months)

Mentoring of Physician Assistants (Canadian Forces Medical Services) – ongoing

Professional Development Activities

Collège des Administrateurs de Sociétés, Université Laval, module 1 completed.

Dr. Sam Daniel

Current Positions

Otolaryngologist-in-Chief, Montreal Children’s Hospital
Director of otolaryngology, Mackay rehabilitation Center
Fellowship director, pediatric otolaryngology
Member of the Montreal Children’s Hospital Planning Committee for the new MUHC Glen Yards
Member of the search committee for the Head of the MCH Dentistry division, Montreal Children’s Hospital
Member of the Ophthalmology cyclical review committee
Member of the Animal Users Committee, Montreal Children’s Hospital
Member of the Infection Control Committee, Montreal Children’s Hospital
Member Craniofacial Anomalies, Cleft Lip and Palate Committee - Montreal Children's Hospital

University
Director, Pediatric Otolaryngology, McGill University
Director McGill Auditory Sciences Laboratory
Course director, Master of Science in Otolaryngology, McGill University
Tenured Associate Professor (GFU), Department of Otolaryngology, McGill University
Member of the admissions committee, Faculty of Medicine, McGill University
Director, McGill Temporal Bone Laboratory
Member of the residency program committee, Department of Otolaryngology
Member of the fellowship committee, Department of Otolaryngology
Member of the research committee, Department of Otolaryngology
Member of the McGill Head & Neck Fundraising committee

National/International Societies
American Society of Pediatric Otolaryngology (ASPO) research committee
Program Committee, Society for Ear, Nose and Throat Advances in Children (SENTAC)
Member of the committee on hearing, Quebec Association of Otolaryngology
Member of the coalition for hearing screening in Quebec
Examiner, Medical Council of Canada Qualifying Examination
Member of the Executive Council of the Canadian Society of Otolaryngology-Head & Neck Surgery
Chair, Continuing Medical Education / Continuing Professional Development Committee, Canadian Society of Otolaryngology-Head & Neck Surgery
Chair, Pediatric Otolaryngology Group, Canadian Society of Otolaryngology-Head & Neck Surgery
Member of the board of directors, Quebec Association of Otolaryngology
Chairman, Continuing Professional Development, Quebec Association of Otolaryngology
Member Hearing Committee, Quebec Association of Otolaryngology
Member Practice Audit Committee, Quebec Association of Otolaryngology
Member of the Continuing Medical Education Committee of the Quebec Association of Otolaryngology and the Federation of Medical Specialists of Quebec
Member of the Fellowship Committee of the Canadian Society of Otolaryngology Head and Neck Surgery
Cochlear implant advocacy committee
Advisor, national task force on pediatric surgery waiting lists
Member - Canadian Society of Otolaryngology, Head & Neck Surgery
Fellow Member – The Royal College of Physicians and Surgeons of Canada (Otolaryngology)
Member - American Academy of Otolaryngology, Head & Neck Surgery
Member - Society for Ear, Nose and Throat Advances in Children (SENTAC)
Member - American Academy of Pediatric Otolaryngology (ASPO)
Member – Quebec Medical Association
Member – Quebec Association of Oto-Rhino-Laryngology and Maxillofacial Surgery

Teaching Activities

Undergraduate (medical students)
Medical students lecture, Unit 7, Otolaryngology infections, June 8, 2009 (1 hour)
Laboratory Demonstrator, Head and neck anatomy for medical students (Unit 6) – Department of Anatomy and cell biology, March - May 2008 (10 hours)
Clinical vignettes for anatomy students – pilot teaching project

Residents
McGill Otolaryngology residents and other department elective residents rotating at the MCH in the OR, clinics, hospital rounds.
Weekly lectures at the MCH on the topics of pediatric otolaryngology
Oral examiner, Otolaryngology residents, McGill University, 4 hours/year
Lecturer, Department of Pediatrics, Montreal Children’s Hospital, lecture to pediatric residents, 1 hour/year
Co-organizer and lecturer, McGill University Otolaryngology Day
Director Temporal Bone Drilling Course, McGill University, 30 hours/year

**Fellows**
Director of the fellowship program MCH – revamping the curriculum

**Graduate**
Course director and lecturer: Master of Science in Otolaryngology (60 hours/semester – 120 hours/year + Preparation time, evaluations available).

I direct and organize the following courses:

- 540-602A,B,C PHYSIOLOGY, HISTOPATHOLOGY AND CLINICAL OTOLARYNGOLOGY 1 (3 credits).
- 540-603A,B,C ADVANCED SCIENTIFIC PRINCIPLES OF OTOLARYNGOLOGY 1 (3 credits).
- 540-612A,B,C PHYSIOLOGY, HISTOPATHOLOGY AND CLINICAL OTOLARYNGOLOGY 2 (3 credits).
- 540-613A,B,C ADVANCED SCIENTIFIC PRINCIPLES OF OTOLARYNGOLOGY 2 (3 credits).

Otolaryngology Master Students:
- 2008-2009: Dr Talal Al-Khatib
- 2009-2010: Dr Valérie Côté

**Presentations**

**Invited Lectureships**
Approach to the patient with facial nerve paralysis in the emergency room, Montreal Children’s Hospital Emergency Department Grand Rounds. Montreal, March 5 2009.

Invited moderator, Mini-med school Montreal Children’s Hospital,


Human Papilloma Virus and vaccine controversy, September 17 2008

Autoimmune Hearing Loss, Guest speaker, division of pediatric rheumatology, Montreal Children’s Hospital, May 20 2008.


Ototoxicity: free radicals or immune system?, invited speaker, Meakins-Christie Laboratories, Montreal, March 03 2008.

Ototoxicity in the chinchilla model, invited professor, Pediatric surgical Grand Rounds, Montreal Children’s Hospital, January 7 2008.


Facial nerve paralysis, Annual Otolaryngology and Ophthalmology Emergencies Symposium, October 4 2008.

Atypical mycobacteria treatment, the surgical approach. Invited workshop, Association of microbiologists of Quebec, Bromont, Quebec, May 29 2009.

Intra-glandular Botulinum Toxin (IG-BTX) and Major Ducts Clipping for Management of Salivary Control in Children: Together and Head to Head, Invited workshop chair, 63rd annual meeting of the Canadian Society of Otolaryngology Head and Neck Surgery, Halifax, May 9-12 2009.

Botulinum toxin in the management of sialorrhea, Guest Speaker, Stan Cassidy Center for Rehabilitation, Fredericton, New Brunswick, March 27 2009.

Treatment of sialorrhea, Guest speaker, Association of Pediatric Dentists of Quebec, Montreal, February 3 2009.


Management of the drooling child, Guest speaker, Pediatric Grand Rounds, The Stollery Children’s Hospital, Edmonton, April 24 2008.


The Canadian clinician-scientist: an endangered species?, Guest Professor & Academic research day adjudicator, Division of Otolaryngology, Capital Health, Edmonton, April 25 2008.


The Society or Ear, Nose and Throat Advances in Children, Invited Faculty, Bone Anchored Hearing Aid (BAHA) Course, Boston, December 2008.


Courses
- Advanced Airway Management Simulation (AAMS), pediatric airway workshop, Montreal, November 26 2008.
- 12th Annual McGill University Update in Otolaryngology, Moderator (Pediatric session)

National/International Podium and Posters


Duval M, Rozen R, Daniel SJ. Low Dietary Folate Decreases Hearing in MTHFR Wild-Type Mice, 36th Annual meeting of the Society For Ear, Nose and Throat Advances in Children (SENTAC), Boston, December 4- December 7, 2008.

Daniel SJ. Botulinum Toxin Injection into the Salivary Glands for the Treatment of Aspiration. 36th Annual meeting of the Society For Ear, Nose and Throat Advances in Children (SENTAC), Boston, December 4- December 7, 2008.

Daniel SJ. Safety of Botulinum Toxin Treatment for Sialorrhea. 36th Annual meeting of the Society For Ear, Nose and Throat Advances in Children (SENTAC), Boston, December 4- December 7, 2008.


Daniel SJ. *Botulinum Toxin A injection for the treatment of severe sialorrhea or aspiration in children under the age of 5 years*. 23rd annual meeting of the American Society of Pediatric Otolaryngology, Orlando, Florida, May 2-4 2008.


**Courses Organized/Directorships**


*Bone Anchored Hearing Aid (BAHA): a 2008 update*, national meeting, Montreal, Quebec, November 5 2008.


Dr. Martin Desrosiers

Current Position
Associate Professor, Department of Otolaryngology, McGill University

Teaching Activities
Examiner, PhD thesis, Karolinska University, Stockholm, Sweden, February 2009

Presentations

Invited Lectureships


National and International Podium and Posters

Oral presentation: Desrosiers M Mfuna Endam L, Filali A, Castano R, Bossé Y.
“Genetic studies in CRS: Identification of a distinct severe subphenotype of CRS based on medication requirements for disease control.”
American Academy of Allergy, Asthma and Immunology, Annual Meeting, Washington, DC, March 2009.

Oral presentation: Mfuna Endam L, Cormier C, Castano R, Filali A, Bossé Y, Desrosiers M.
“Association of IL1A, IL1B and TNFA gene polymorphisms with chronic rhinosinusitis: a replication study.”
American Academy of Allergy, Asthma and Immunology, Annual Meeting, Washington, DC, March 2009.

Prize
Fellows in training prize, best abstract, Rhinitis, sinusitis, ocular diseases and cough interest section
Castano R, Mfuna Endam L, Filali, A, Bossé Y, Desrosiers M. “Polymorphisms in the MET/HGF Gene Complex are Associated with Severe Chronic Rhinosinusitis.”
Featured poster, Rhinitis, sinusitis, ocular diseases and cough interest section. American Academy of Allergy, Asthma and Immunology, Annual Meeting, Washington, DC, March, 2009

Dr. Nabil Fanous

Current Position
Associate Professor, Department of Otolaryngology, McGill University

Presentations

Guest Lecturer
Invited by the Canadian Academy of Cosmetic Surgery to talk about the “Optimum Mobility Facelift” at the Montefiore Club, Montreal, Canada, October 2008.


Teaching Activities
Annual facial plastic surgery course on Rejuvenation, Face lift, Injections, Lasers, related surgical anatomy, drills on oral and written exams, etc- given to Residents, fellows and rotating students, May 2008.
Studying course for residents and fellows entitled “Efficient studying” on how to organize the scarring process and the different techniques to make recollection of information easier and more reliable, May 2008.

A “McGill Core Surgery Residents” course, given to all “McGill surgical residents” (year I and II) on the “Art of surgery: How to operate in a way that is: controlled, steady, safe, precise, effortless, stress free, elegant and efficient”, at the McGill Simulation Center, as a “two-parts” course (“Hands-on” and “theoretical”), October 8 and October 15, 2008.


**Education and Postgraduate Training**

Course on “Achieving relaxed expressions through ablation of the corrugator nerve by minimally-invasive radiofrequency energy”, given by Dr. Jim Newman, at the Fairmount Hotel, San Francisco, California, U.S.A., October 2008.


**Dr. Saul Frenkiel**

**Current Positions**

**University**
Chair, Department of Otolaryngology, McGill University

**Hospital**
Chief of Otolaryngology, MUHC, JGH
Consultant in Otolaryngology, Mount Sinai Hospital
Consultant in Otolaryngology, Montreal Heart Institute

**Research**
Clinical Investigator, Lady Davis Institute for Medical Research
Research Associate, Molecular Biology Laboratory, Meakins Christie Institute

**Other Positions**
Consultant, Northern Quebec Module
Consultant, McGill Student Health Services
Committees

University
Faculty Leadership Council, Faculty of Medicine
Mistreatment Taskforce Implementation committee, Faculty of Medicine
Member, Learning Environment Committee, Faculty of Medicine
Chairman, Executive committee, Department of Otolaryngology
Chairman, Promotions and Tenure Committee, Department of Otolaryngology
Chairman, Budget committee, Department of Otolaryngology
Member, Research committee, Department of Otolaryngology
Search committee, Clinical Investigators Program, Faculty of Medicine

Hospital

MUHC
Member, Medical Advisory Committee
Chair, Redevelopment Plan for Otolaryngology
Member, Surgical Strategic Planning Committee for Lachine General Hospital
Adult OR Utilization Committee

JGH
Member, Medical Advisory Committee
Surgical Resources Audit

MCH
Search Committee for Chief of Otolaryngology

Professional Activities

National Positions
Past president, Canadian Society of Otolaryngology-Head and Neck Surgery
Council of Canadian National Otolaryngology Chairs
CME/CPD Committee, Royal College of Physicians and Surgeons of Canada

International Committees
International representative to the American Academy of Otolaryngology-Head and Neck Surgery

Other Professional Activities
Journal reviewer, Journal of Canadian Society of Otolaryngology-Head and Neck Surgery
Journal reviewer, Annals of Otology, Rinology & Laryngology
Medical consultant, Quebec Regional Advisory Board, GSK Pharmaceutical
Promotions committee, External reviewer, Emory University School of Medicine
Chair, Internal review of the McGill University Clinician Investigator Residency Program
External examiner, Registrars in Otolaryngology, Australia, Apr. 2009
**Other Accomplishments**

Co-chair, McGill Head and Neck Cancer Fund

This year, a total of $450,000 was raised for clinical and basic research.

Inaugurated the Melvin Mendelsohn Temporal Bone Laboratory at the MCH, Oct. 2008

Established the McGill Otolaryngology Endowment Fund, Dec. 2008

Creation of a Department of Otolaryngology quarterly electronic newsletter

Revision of the Department of Otolaryngology website

**Teaching Activities**

**Undergraduate**

ICM small-group lecturer - rhinology and sinus topics

- head and neck emergencies

**Clinical Supervisor**

Medical students on Otolaryngology elective rotations

Clinical project supervisor, “The role of virtual endoscopy in rhinology practice”

**Postgraduate**

Clinical supervision and didactic teaching for Otolaryngology residents

Clinical supervision of residents rotating from Oral Surgery, Plastics, Radiation Oncology, and Anaesthesia

Supervision of Otolaryngology fellow – Dr. Hadi Hakami

Clinical research supervisor – Dr. Sumeet Anand

Special lectures to senior residents in preparation for Royal College exams

**Presentations**

**Invited Lectureships**

Visiting Professor, Department of Otolaryngology, University of Adelaide, Australia

Visiting Professor, Department of Otolaryngology, University of Auckland, New Zealand

**National/International Podium and Posters**


Strategic planning presentation, “The future of McGill’s medical school” Faculty of Medicine, Nov. 2008.

Welcoming address, McGill University Update Course in Otolaryngology, Mar. 2009.

“Chronic Sinusitis and the Lower Airway – Clinical and research implications”
University of Adelaide, Apr. 2009.

“Schneiderian Papilloma and Associated Carcinoma” University of Auckland, Apr. 2009.


Robert Funnell

Current Positions

Associate Professor, Biomedical Engineering, McGill University
Associate Professor, Otolaryngology, McGill University
Associate Member, Obstetrics & Gynecology, McGill University
Associate Member, Electrical Engineering, McGill University

Committees

Departmental
Graduate Program Committee (Coördinator for fellowships & awards)
Safety Committee (Chair)
Webmaster (general maintenance and updating, incl. seminar list and announcements, list of staff, publications, student & research resources; worked on new logo with Ross; for BME home page, designed new search box which works better than McGill one; debugged a server problem causing the BME logo to disappear sometimes)

Attended M. Newkirk's meeting re internal reviews

Research Committee (Dept. Otolaryngology)

Faculty
Processed medical-student evaluations (ICM and POM), produced histograms for use in Dean’s letters
Host and maintain the Mond database of the Department of Obstetrics & Gynecology, and the IDA software used to extract data from the database

University
Physical Sciences & Engineering Area Libraries Advisory Committee (meetings; coordinate after-hours access and CISTI Source access for BME people)
FRSQ Undergraduate Research Award Committee (ranked 39 applications)

Teaching Activities

In teaching, I have continued work on the use of interactive 3-D models in medical and dental teaching at McGill. I arranged to have 3-D viewers installed on the student computers in the Strathcona and McIntyre Buildings. My models of the pelvis were used in 3 medical-student lectures in the fall, and my models of the ear and skull were made available to the students in the spring. I have developed a new 3-D viewer that is particularly good for this purpose, and also developed a method for displaying 3-D models on a Web page with no special software. I was invited to demonstrate the models to the Basis of Medicine unit chairs. I also demonstrated the models and the new methods for displaying them at the McGill Teaching & Technology Fair.

I was involved with Zsuzsanna Bencsath-Makkai in working on the Histology Atlas of Drs. Clermont and Lalli. I also continued to provide on-line quizzes for Unit 4 of the medical curriculum, and analysis of student evaluations for use in medical students’ Dean’s letters. I took part in the Biomedical Engineering Careers Panel organized by the Engineering Career Centre of the Faculty of Engineering, and attended the Transdisciplinary Workshop.

Lectures, Selected topics in biomedical engineering

Graduate students supervised:

<table>
<thead>
<tr>
<th>Name</th>
<th>Registration Date/Graduation Date</th>
<th>Department of Register</th>
<th>Source of Funding</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nicolas Ellaham</td>
<td>2004 09-2008 01 2001 09-2008 05</td>
<td>BME</td>
<td>CIHR</td>
<td>$17 850</td>
</tr>
<tr>
<td>Li Qi</td>
<td>2001 09-2008 05</td>
<td>BME</td>
<td>CIHR</td>
<td>$18 500</td>
</tr>
<tr>
<td>Shruti Nambiar</td>
<td>2007 01-2008 09</td>
<td>BME</td>
<td>NSERC CGSM</td>
<td>$18 000</td>
</tr>
<tr>
<td>Nima Maftoon</td>
<td>2008 09-</td>
<td>BME</td>
<td>CIHR</td>
<td>$16 500</td>
</tr>
<tr>
<td>Brian Gariepy</td>
<td>2008 09-</td>
<td>BME</td>
<td>NSERC</td>
<td></td>
</tr>
</tbody>
</table>

Graduate student supervisory committees: 2
Thesis defenses: 3
M.Eng. thesis external examiner: 1

I continued work on the use of interactive 3-D models in medical and dental teaching at McGill. I arranged to have 3-D viewers installed on the student computers in the Strathcona and McIntyre Buildings. My models of the pelvis were used in 3 medical-student lectures in the fall, and my models of the ear and skull were made available to the students in the spring. I developed a new 3-D viewer that is particularly good for this purpose, and also developed a method for displaying 3-D models on a Web page with no special software. I was invited to demonstrate the models to the Basis of Medicine unit chairs. I also demonstrated the models and the new methods for displaying them at the McGill Teaching & Technology Fair.
I was involved with Zsuzsanna Bencsath-Makkai in working on the Histology Atlas of Drs. Clermont and Lalli.

I continued to provide on-line quizzes for Unit 4 of the medical curriculum.

I continued to prepare graphical summaries of medical-student evaluations for use in Dean’s letters.

I took part in the Biomedical Engineering Careers Panel organized by the Engineering Career Centre of the Faculty of Engineering.

I attended the Transdisciplinary Workshop.

**Research**

In spite of an almost complete lack of research funding, my lab continued to make significant progress this year. A one-year CIHR grant was received in April.

I continued my collaborations, most notably with Willem Decraemer from Belgium and Sam Daniel in Otolaryngology. Decraemer visited here twice, for 2 weeks in the fall and again in May; then and over the rest of the year we wrote a paper which is currently under review, and worked on a conference presentation. Li Qi had a second major modelling paper published and successfully defended his Ph.D. thesis. Three students (one from Chile, two from McGill) spent time in the lab over the summer. In Sam Daniel’s lab at the Montréal Children’s Hospital, new measurements of eardrum vibrations in the gerbil were made; Nima Maftoon, a new Ph.D. student, made excellent progress both in learning to do his own surgery and experiments and in modelling. Decraemer had a new piece of apparatus constructed in Antwerp for use here.

Collaborations with:
- Willem Decraemer & Joris Dirckx, Antwerp (Medical Physics) [international]
- Hanif Ladak, Univ. Western Ontario (Medical Physics)
- Sam Daniel, McGill (clinician scientist, Otolaryngology) and other clinicians in the Department of Otolaryngology
- Dusica Maysinger, McGill (Pharmacology)

Li Qi’s successfully defended his Ph.D. thesis. The second major paper based on his doctoral research on the mechanics of the newborn ear was published by *J. Acoust. Soc. Am.*

Willem Decraemer visited here in the fall and again in the spring. We wrote a paper which is currently under review, and worked on a conference presentation. Our invited book chapter was published. Decraemer also had a new piece of apparatus constructed in Antwerp for use here.

Three students (one from Chile, two from McGill) spent time in the lab over the summer.
In Sam Daniel’s lab at the Montréal Children’s Hospital, new measurements of eardrum vibrations in the gerbil were made; Nima Maftoon, a new Ph.D. student, made excellent progress both in learning to do his own surgery and experiments and in modelling. We received a visit by Hanif Ladak from UWO.

The results of collaboration with Michel Audette in Germany were presented by him at the prestigious MICCA conference and published as a 10-page conference paper.

The results of Shruti Nambiar’s project in collaboration with Louis Collins and Mallar Chakravarty, applying their non-linear brain warping techniques to the middle ear, was presented at a conference.

Further work was done with Dusica Maysinger in Pharmacology, applying 3-D visualization and quantification methods to fluorescence optical sectioning microscopy and quantum dots.

Presentations

Invited Lectureships

I was invited to give an hour-long tutorial talk at the 5th International Symposium on Middle-Ear Mechanics in Research and Otology, Stanford. This is a specialized conference held only every three years.

National/International Podium and Posters


Providing Academic Expertise to the Montreal/Quebec/Canadian and International Communities

Grant applications for NSERC


Provided 3-D models and information to H. Ladak (UWO); P. Pooyafar (Sharif University, Iran); Southampton University Hospitals

CEGEPS and Schools
Coordinated BME visit of 2 high-school students for career-exploration day

Industry, Professional and Business Communities
Provided advice and information to Restore Medical (Roseville, MN); and to Robert Bertrand (Bertrand Johnson Acoustique) and Howard Leight by Sperian (hearing-protection company)

Charitable and Non-profit Based Organizations
Various contributions to open-source software projects (e.g., Inkscape drawing programme, g95 Fortran compiler, OpenOffice.org office suite, Potlatch (map editor), Coin3D graphics library, CalculiX finite-element programme)

Dr. Henrietta Galiana

Current Positions

Hospital
Co-Director, Otolaryngology Research Lab (OTL), Royal Victoria Hospital
Medical Scientist, Otolaryngology, Royal Victoria Hospital

University
Associate Member, Dept. Elect. Eng., Fac. Eng. McGill University
Associate Member McGill Center for Intelligent Machines (CIM), Fac. Engineering
Full Professor, Dept. Biomedical Engineering, Fac. Medicine
Associate Member Dept. Otolaryngology, Fac. Medicine
Chair, Department of Biomedical Engineering, McGill
Member Advisory Committee for Selection Vice-Principal (Planning and Resources), Senate, McGill
Chair, Senate Committee on Staff Grievances and Disciplinary Measures, Senate, McGill
Member Faculty Leadership Council (Chair Dean R. Levin), Faculty of Medicine, McGill
Member Leadership Development Committee (Chair Yvonne Steinert), Faculty of Medicine, McGill
2006 - Invited Member of Appointments Committee, Dept Elect, Comp & Software Eng, Faculty of Engineering, McGill
2007 - Faculty of Medicine Rep, Faculty of Engineering Task Force on Bioengineering (Chair Jim Clark), Faculty of Engineering, McGill
2009 - Invited Advisor in plans for new School of Bioengineering and Faculty Undergraduate Program in Bioengineering, Faculty of Engineering, McGill

Others
Society for Neuroscience
Neural Control of Movement Society (NCM)
Canadian Medical and Biological Engineering Society
New York Academy of Sciences
The Barany Society
Member Research Institute of Royal Victoria Hospital
Member, IEEE, Engineering in Medicine and Biology Society
Member Editorial board of the IEEE Book series on Biomedical Engineering
Associate Editor, (N. Thakor, EiC) IEEE Trans. Neural Systems and Rehabilitation Eng.
Member Canadian Council of Biomedical Chairs (CCBC)
Member IEEE TAB Society Review Committee
Member Advisory Committee for new IEEE TAB Biometrics Council
Member Advisory Board of the Neural Control of Movement Society
Secretary & Treasurer, Neural Control of Movement Society
Ad-hoc reviewer, Canada Foundation for Innovation, LOF applications
Member NSF (USA) review Panel for Collaborative Research in Computational Neuroscience,
Member NSERC Electrical and Computer Engineering Grant Selection Committee (NSERC GSC-1079)
Chair NSERC Electrical and Computer Engineering Grant Selection Committee (NSERC GSC-1079)
Invited but declined, member NSF (USA) review Panel for Collaborative Research in Computational Neuroscience

Teaching Activities

Supervision
2006-09: Elias Abou Zeid, (NSERC grant) sole supervisor
Thesis Title: “A multi-rate predictive control scheme for a robotic eye/head system integrating visual and self-motion cues”

2004-09: Elham Khojasteh-Lakelayeh (CIHR grant), sole supervisor
Thesis Title: “Reflex modulations with sensori-motor context could rely on premotor gain modulation: Implications for the VOR system”

2007 - Adrian Kaats, (NSERC grant)- on leave
Thesis Title: tentative - Standardizing and modeling membrane channel properties

2007- Atiyeh Ghoreyshi, (CIHR grant) sole supervisor
Thesis title: tentative- “Identifying Visual-vestibular interactions in eye reflexes with decorrelated stimuli”

2008- Filip Stefanovic, (NSERC & CIHR grants) sole supervisor
Thesis Title: tentative – Learning and control in segmented limb movement

2008- Mina Gheiratmand, Co-supervision with Kathy Mullen of Vision Research
Thesis Title: tentative – Modelling processes in retinal light adaptation...

2008- Mahtab Nazari, Co-supervision with lead K. Cullen (Physiol.)
Thesis Title: tentative – Modelling central and behavioural responses during head-perturbed gaze

2009-  Powell Chu, (CIHR grant) sole supervisor  
Thesis Title: tentative – Validating fast phases in VOR nystagmus as a clinical tool

2005-2008 Andre Bergeron, CIHR Post-Doctoral Fellow, Biomimetic applications of neural control in a model of head-free gaze movements


Courses  
Fall 2008, Course BMED 501 – 3 hours of lectures on vestibular system and ocular control  
Fall 2008, Course BMED 503 – 1.5 hours on ocular tracking instrumentation  
Winter 2009 Course BMDE 502: 12 students, presented all lectures except 4.5 hrs by RE Kearney

OTL Research Laboratory of Royal Victoria Hospital  
1988-present - Clinical trials are under way on normal subjects and vestibular patients, in collaboration with Dr. Katsarkas. We are exploring the role of nystagmus in defining the linear range of the vestibulo-ocular reflex, predicted by our theoretical models. Support is provided by MRC (past) and CIHR (current) grant (Galiana).

Courses Organized/Directorships  

Member of the International Program Committee in the 31st Annual International Conference of IEEE Engineering in Medicine and Biology Society (EMBC) to be held in Minneapolis, Minnesota from September 2-6, 2009.

Dr. Michael Hier  

Current Positions  
Associate Chief, Department of Otolaryngology, Jewish General Hospital  
Medical Advisory Committee, Jewish General Hospital  
OR Committee, Jewish General Hospital
Member, Residency Program Committee, Department of Otolaryngology, McGill University
Member, Canadian Society of Otolaryngology-Head and Neck Surgery
Member, American Head and Neck Society
Member, American Academy of Otolaryngology-Head and Neck Surgery

Teaching Activities

Undergraduate (medical students)

Residents
Surgical skills lab at McGill
Course on “Breaking Bad News” (March 10, 2009)

Fellows
Dr. Hadi Hakami, Head and Neck fellowship

Course Organized

Co-director, 13th Annual McGill University Update in Otolaryngology Course, March 20-22, 2009

Presentations

National/International Podium and Posters


Kalmovich L, Payne R, Black M, Hier M. Post Thyroidectomy Pain.


Dr. Athanasios Katsarkas

Current Positions

Professor, Department of Otolaryngology, McGill University
Member, Central Executive Committee, MUHC
Chairman, Executive Committee, Council of Physicians, Dentists and Pharmacists
Royal Victoria Hospital, Member, Qualifications Committee, MUHC
Chairman, Review Committee, MUHC
Director Dizziness Clinic, RVH
Co-Director, Vestibular Research Laboratory, RVH

Teaching activities

Medical students
Residents
Epidemiology seminars every Thursday

Presentations

Invited Lecturer

National/International Podium and Posters


Dr. Karen Kost

Current Positions

Associate Professor, Department of Otolaryngology, McGill University
Chairperson Canadian Society of Otolaryngology-Head and Neck Surgery Subspecialty Laryngology Committee 2005-present

President of the Canadian Society of Otolaryngology-Head and Neck Surgery Fund June 2006 – present

Second Vice-President Elect, Canadian Society of Otolaryngology-Head and Neck Surgery, 2009

Program Chair, American Society of Geriatric Otolaryngology, 2006-present

Executive Member, American Society of Geriatric Otolaryngology, 2006-present

Course Co-Director, Annual McGill Update in Otolaryngology, Mont Tremblant, Quebec, 2006-present

Member of the Editorial Board, Laryngoscope, 2005 - present

Presentations

National/International Podium and Posters


Session Chair, ‘Research Methodology and Education’, Canadian Society of Otolaryngology-Head and Neck Surgery Meeting, Tuesday June 3rd, 2008, in Jasper, Alberta, Canada

“Maximizing Quality in your OR: Can it be Done?”: Workshop presented at the Canadian Society of Otolaryngology-Head and Neck Surgery Meeting, Wednesday June 4th, 2008, in Jasper, Alberta, Canada


“Current Concepts in the Management of Laryngeal Carcinoma”, presented to the Radiation Oncology residents and Staff, Friday December 5th, 2008, at the Montreal general Hospital, Montreal, Quebec


“Approach to Neck Masses”: Lecture to Family Medicine Wednesday February 11th, 2009, St-Mary’s Hospital, Montreal, Quebec.
“Management of Vocal Fold Immobility”, presented to the McGill Masters’ Students, Monday March 16th, 2009, at the Montreal Children’s Hospital, Montreal, Quebec

“Laryngeal Applications of Botox”: Presented at the 13th Annual McGill University Update in Otolaryngology, Friday March 20th, 2009, Mont Tremblant, Quebec

Moderator, ‘Management of Early Glottic Cancer’ Laryngology session, 13th Annual McGill University Update in Otolaryngology, Saturday March 21th, 2009, Mont Tremblant, Quebec

“Reflux Laryngitis Update”: Toronto Voice Course, Friday April 24th, 2009, Toronto, Canada

Workshop ‘Videostroboscopy’, Toronto Voice Course, Friday April 24th, 2009, Toronto, Canada

“Percutaneous Tracheotomy Update”: Toronto Voice Course, Saturday April 25th, 2009, Toronto, Canada

Leader ‘Hands-On’ Skills Station Percutaneous Tracheotomy, Toronto Voice Course, Saturday April 25th, 2009, Toronto, Canada

‘A Snapshot of Head and Neck Surgery in 2009’, presented at the Cedar’s Foundation, Tuesday, April 28th, 2009, at the Montreal General Hospital, Montreal, Quebec

“Vocal Fold Granulomas: Experience in a Tertiary care Center” Presented by Nadine Yammine, Resident Research Day, Thursday May 7th, 2009, at the Royal Victoria Hospital, Montreal, Quebec

“Percutaneous Tracheotomy: A Prospective Study Evaluating a new Technique”: presented by M. Chater, Resident Research Day, Thursday May 7th, 2009, at the Royal Victoria Hospital, Montreal, Quebec

“Prevention of Accidental Decannulation in the Obese: A Predication Equation as a Tool for the Measurement of Pretracheal Soft Tissue Thickness”: presented by C. Szeto, Resident Research Day, Thursday May 7th, 2009, at the Royal Victoria Hospital, Montreal, Quebec

“Chronic Cough: Seeing the Light at the End of the Tunnel”: Workshop Chair, Canadian Society of Otolaryngology-Head and Neck Surgery, Sunday, May 10th, 2009, Halifax, NovaScotia


Program Chair, 3rd Annual American Society of Geriatric Otolaryngology Meeting, Wednesday May 27th, Palm Desert Springs Hotel, Phoenix, Arizona

**Dr. John Manoukian**

**Current Positions**

**Hospital (Montreal Children’s Hospital)**
- Member, Peri-Operative Committee of Montreal Children’s Hospital
- Member, Pharmaceutical Committee of Montreal Children’s Hospital
- Member, Craniofacial Anomalies, Cleft Lip and Palate Committee – Montreal Children's Hospital

**University (McGill)**
- Program Director, Department of Otolaryngology
- Member, Research subcommittee, Department of Otolaryngology
- Member, Fellowship Training subcommittee, Department of Otolaryngology

**National/International Societies**
- Canadian Society of Otolaryngology Head & Neck Surgery
  - Regional Representative (Quebec)
  - Member of the Nominating Committee
  - Member of the Medical Education Committee
  - Member of the Canadian ENT Program Directors Committee
  - Member of the Pediatric subspecialty committee
  - Member judge for the paper/floor session of the Poliquin-Medtronic Resident’s competition
- Member Royal College Specialty Committee for Otolaryngology of the Canadian Society of Otolaryngology – Head & Neck Surgery
- Reviewer for the Journal Otolaryngology – Head and Neck Surgery
- Reviewer of the Journal Laryngoscope
- Member, Canadian Society of Otolaryngology, Head & Neck Surgery
- Fellow, The Royal College of Physicians and Surgeons of Canada (Otolaryngology)
- Member, American Academy of Otolaryngology, Head & Neck Surgery
- Member, American Academy of Pediatric Otolaryngology (ASPO)
- Member, American College of Surgeons, Fellow
- Member, Quebec Medical Association
- Member, Quebec Association of Oto-Rhino-Laryngology and Maxillofacial Surgery
- Member, Association Médicale Arménienne du Québec (AM AQ)
- Member, Armenian Medical International Committee (AMIC)
Teaching Activities

Undergraduate (medical school)
Pediatric otolaryngology teaching for elective medical students rotating at the MCH

Residents
McGill Otolaryngology residents and other department elective residents rotating at the MCH & JGH in the OR, clinics, hospital and departmental rounds.
Lectures at the weekly academic lectures for McGill Otolaryngology residents on the topics of pediatrics and airway pathologies.

Resident enrichment year research supervision:
Student Name: Dr Valérie Côté
Subject: Validation of a Pediatric Reflux finding score and questionnaire

Student Name: Dr. Mohammed Al-Essa
Subject: The association between chronic rhino-sinusitis (CRS) and extra-esophageal gastric reflux (EEGR) in pediatrics using pepsin immunoassay.

Fellows
Pediatric fellows at the MCH

Fellow supervised:
Fellow Name: Dr Fahad Al-Saab
Subjects:
1. Laryngopharyngeal reflux and Otitis media
2. Laryngeal web keel insertion endoscopically
3. Tracheal stenosis

CME
Moderator, lecture on Changing time…Bacterial biofilms and Omnaris a new treatment for allergic rhinitis, Montreal, Quebec sponsored by Nycomed, June 2008.

Presentations

Courses
Panelist on Laryngeal Papillomatosis. 12th Annual McGill University Otolaryngology Update & ski weekend meeting, Mont-Tremblant, Quebec, March 2008

National/International Podium and Posters


**Dr. Luc Mongeau**

**Current Positions**

Associate Dean Academic Affairs, Faculty of Engineering, McGill University
Associate Member, Department of Biomedical Engineering, Faculty of Medicine, McGill University
Adjunct Member, Faculty of Music, McGill University
Adjunct Professor, School of Mechanical Engineering, Purdue University, West Lafayette, Indiana, USA
Affiliated Member, Department of Otolaryngology, Faculty of Medicine, McGill University
Fellow, Acoustical Society of America
Department of Mechanical Engineering, Graduate Admissions and Scholarships, Director, 100 hours
Department of Mechanical Engineering, Graduate Academic Committee, Member, 2 hours
Faculty of Engineering, McGill University, Acting Associate Dean Research (for A. Kirk), 30 hours
McGill University, Teaching and Learning Spaces Working Group, Member, 20 hours
McGill University, Academic Computing Working Group, Member, 10 hours
Acoustical Society of America: Member of the Education sub-committee, member of the Engineering Acoustics sub-committee, attended meeting from June 29 - July 4 2008 (5 days), organized and chaired one special session (4 hours).
Society for Automotive Engineering: Member of the Noise and Vibration subcommittee, member of the 2009 Noise and Vibration Conference organizing committee (30 hours), attended 2009 meeting (3 days).
American Institute for Aeronautics and Astronautics: senior member, member of the Aeroacoustics organizing committee (8 hours), participated in 2009 Aeroacoustics Conference (3 days) and 2009 Aerospace Sciences meeting (3 days), member of the Aeroacoustics Awards subcommittee (6 hours).
Institute of Noise Control Engineering: member, no activity this year.
American Society of Mechanical Engineers: member, no activity this year.
Canadian Acoustical Association: attended 2008 meeting (1/2 day), session organizer and chair (2 hours).
The Voice Foundation: member, no activity this year.
CRIAQ: Attended research fora, hosted research forum at McGill (3 days)
Teaching Activities

Supervisor
3 PhD students
2 Undergraduate students
3 Post-doctoral students

Co-Supervisor
6 PhD students

Courses
MECH 500 – Special Topics: Engineering Acoustics
MECH 412 – System Dynamics

Faculty coordinator for the space elevator team

Supervised senior design project on thermoacoustics at the U. Sherbrooke (8 students, 2-years project)

Co-supervised two students in Music Technology (Charalampos Saitis and Moonseok Kim)

External examiner for doctoral thesis of Sebastien Debert, Universite de Poitiers, Poitiers, France.

External examiner for doctoral thesis of Majid Nabavi, Concordia University, Montreal, Canada.

Presentations

Invited lecture
CIRMMT workshop on vocal acoustics, physiology and pedagogy, January 21 2009.

National/International Podium and Posters


Dr. Lily Nguyen

Current Positions

Hospital
Member, Search Committee for Chief of Otolaryngology, Montreal Children’s Hospital

University
Assistant Professor, Department of Otolaryngology, McGill University
Director of Undergraduate Medical Education, Department of Otolaryngology, McGill University
Member, Surgical Undergraduate Education Committee, Faculty of Medicine, McGill University
Associate Member, Residency Program Committee, Department of Otolaryngology, McGill University

National/International Societies
Member, Otolaryngology Undergraduate Medical Education Working Group, Canadian Society of Otolaryngology – Head & Neck Surgery

Teaching Activities

Postgraduate
“Tonsil Pathology,” Resident Teaching Rounds, Department of Otolaryngology, McGill University
“Delivering Bad News,” Resident Teaching Rounds, Department of Otolaryngology, McGill University
“How to Give a Good Presentation,” Resident Teaching Rounds, Department of Otolaryngology, McGill University

Presentations

Invited Lectureships
“Pediatric Airway Management,” Invited Lecturer for Emergency Rounds, Charles Lemoyne Hospital
National/International Podium and Posters

“Resident Satisfaction in Canadian Otolaryngology Programs,” Xomed Resident Competition, Canadian Society of Otolaryngology – Head and Neck Surgery (CSO-HNS) annual meeting in Halifax, Nova Scotia (with Dr Vi Vu)

“Does pneumatic otoscopy improve the diagnostic accuracy of otitis media with effusion in a clinical setting?” Pediatric Academics Societies Annual Meeting, Baltimore, USA (with Dr T Al-Khatib)
* Selected as Late-Breaker Abstract

“Advanced Airway Management Teaching in Otolaryngology Residency: A Survey of Residents across Canada,” Canadian Society of Otolaryngology – Head and Neck Surgery (CSO-HNS) annual meeting in Halifax, Nova Scotia (with Dr V Côté)

“Improvement of diagnostic accuracy with pneumatic video-otoscopy teaching: A randomised control trial,” Canadian Society of Otolaryngology – Head and Neck Surgery (CSO-HNS) annual meeting in Halifax, Nova Scotia (with Dr T Al-Khatib)

“Linking Laryngopharyngeal Reflux to Otitis Media with Effusion: A Pepsinogen Study of Adenoid Tissue and Middle Ear Fluid,” International Federation of Oto-rhino-laryngological Societies, Sao Paulo, Brazil (with Dr V Côté)

Courses Organized/Directorships

Advanced Airway Simulation Management (AAMS) Workshop, Course Director, McGill University
13th Annual McGill University Update in Otolaryngology, Organizer and Moderator (Pediatric session)
6th Annual Melvin D. Schloss Pediatric Otolaryngology Lectureship, Moderator, McGill University

Dr. Richard Payne

Current Positions

University
Assistant Professor, Department of Otolaryngology, McGill University
Residency Program Committee member, Department of Otolaryngology, McGill University
Core Resident Representative, Department of Otolaryngology, McGill University

Hospital
Director of the Jewish General Hospital thyroid cancer centre, Jewish General Hospital
McGill University Health Centre
- Jewish General Hospital
- Royal Victoria Hospital
- Montreal General Hospital
Presentations

Guest Speaker/Visiting Professor
“Management of Complex Thyroid Cancer,” Israel – Tel Aviv – Ichilov Hospital, May 2008.

Resident Research Day guest lecturer speaker, University of Sherbrooke, May 28, 2009.

“New Concepts in the Diagnosis & Treatment of Snoring & Sleep Apnea,” General Practitioners (ECME Course) – Montreal, Canada (2008)
  ▪ Lasalle family practice
  ▪ Downtown Montreal
  ▪ West Island family practice

“Head and Neck Masses,” Panelist, McGill Department of Otolaryngology Mont-Tremblant Annual meeting.


National/International Podium and Posters


**CSO – Podium Presentations**

“Hashimoto's Thyroiditis as a Risk Factor for Post-thyroidectomy Hypocalcemia.” Senior Author – Payne RJ. O. Neaga, N. Sands, V. Côté, et al. Montreal, QC


“Thyroid Forum: Do the Benefits Outweigh the Risks – Neck Dissection and Thyroid Cancer.” CHAIR: R. Payne, Montreal, QC

“Where Do Parathyroid Adenomas Hide?” Senior Author – Payne RJ. H. Marzuki

**Resident Research Day (Dept. of Otolaryngology, McGill, May 2009) – Podium Presentations**


- winner of basic science award at Resident’s Research Day

“Hashimoto's Thyroiditis as a Risk Factor for Post-thyroidectomy Hypocalcemia.” Senior Author – Payne RJ. O. Neaga, N. Sands, V. Côté, et al.


“Tg:tsh ratio as a predictor of thyroid cancer.” Senior Author – Payne RJ. N. Cohen.

American Head and Neck Society – Podium Presentations
“Sentinel Lymph Node Biopsy in Papillary Thyroid Cancer: Is There a Role?” Senior Author – Payne RJ.

Meetings Attended
Association d'oto-rhino-laryngologie et de chirurgie cervico-faciale du Québec Congrès Annuel, Quebec (2008)
McGill University Annual Update in Otolaryngology, Annual meeting, Mont-Tremblant, (2009)

Teaching Activities

Supervision – Students and Fellows
Sumeet Anand, Master’s year project supervisor
Sean Karls (awarded bursary), McGill University research bursary
Alexander Amir (awarded bursary), McGill University research bursary

Undergraduate (medical students)
Lectures on Thyroid cancer to Med 2 and Med 3 students
- Supervised 2 Med 2 students receiving research year bursaries
  Alexander Amir and Sean Karls
Med 2 physical examination teaching

Residents
- Thyroid cancer lecture
- Sleep apnea lecture
- Grand rounds speaker – local anesthesia
- Supervised a Master’s year resident this year
  Recipient of McGill resident’s research day award

Head and Neck Masses, McGill University Medical Student Teaching – Royal Victoria Hospital (2008-2009)
Thyroid Cancer, McGill University ENT Resident Teaching – Jewish General Hospital (2008)
Thyroid Cancer, McGill University Health Centre – Internal medicine - Grand Rounds
Parathyroid adenomas, McGill University endocrinology residents – Montreal General Hospital (2008)

Micropapillary thyroid Cancer, McGill University Health Centre – Endocrinology - Grand Rounds

Sleep Apnea, McGill University ENT Resident Teaching – Jewish General Hospital (2008)


Thyroid Masses and Disease, McGill University Medical Student Teaching – Jewish General Hospital (2008-2009)

Sleep Apnea – An ENT Perspective, Lakeshore General Hospital - Department of Family Medicine (2008)

Sleep Apnea – Diagnosis and Treatment, Department of Otolaryngology – Head and Neck Surgery – Resident Teaching (2008-2009)

**Dr. Jamie Rappaport**

**Current Positions**

**University**
Associate Professor (GFT-H), Department of Otolaryngology, McGill University
Assistant Program Director, Department of Otolaryngology, McGill University

**Hospital**
Attending Staff (GFT-H), Department of Otolaryngology, The Sir Mortimer B. Davis-Jewish General Hospital

Director of Otology / Neurotology, Department of Otolaryngology, The Sir Mortimer B. Davis-Jewish General Hospital

Associate Chief, Department of Otolaryngology, The Sir Mortimer B. Davis-Jewish General Hospital

Associate Chief, Department of Otolaryngology (Jewish General Hospital, Montreal, QC), Departmental Affairs

**Other**
Examiner, Royal College of Physicians and Surgeons of Canada

Consultant Otolaryngologist, Northern Quebec Module
Ad hoc reviewer, *Journal of Otolaryngology*

*Otolaryngology - Head & Neck Surgery*

*Otology & Neurotology*

**Committees**

**Hospital**
Member, Surgical Care Committee, SMBD-Jewish General Hospital

Member, McGill Head & Neck Cancer Fund Committee, Invitation Design

Team Leader, Operating Room Accreditation Committee, SMBD-Jewish General Hospital

**University**
Director, McGill University Otolaryngology Fellowship Committee

Member, McGill University Residency Training Committee

**External**

Founding Member, Canadian Otology Study Group

Consultant, Gerson Lehrman Group

**Presentations**

**Invited Lectures, Talks, Presentations**


Course Coordinator, 13th Annual McGill Otolaryngology Update Course, Mont Tremblant, Quebec, March 2009.


Courses and Meetings Attended (abridged)
Canadian Society of Otolaryngology-Head and Neck Surgery 62\textsuperscript{nd} Annual Meeting, Jasper, AB, Canada, June 1-4, 2008.


Royal College of Physicians and Surgeons of Canada International Conference on Residency Education (Ottawa, Ontario), September 25-27, 2008.


13\textsuperscript{th} Annual McGill Otolaryngology Update Course, Mont Tremblant, Quebec, March 20-22, 2009.


Canadian Society of Otolaryngology-Head and Neck Surgery 63\textsuperscript{rd} Annual Meeting, Halifax, NS, Canada, May 9-12, 2009.

Teaching Activities

Supervisor, HOPS students (high school students' "hospital opportunity Program") - Jewish General Hospital.

Undergraduate (Medical Students)

Tutorial (2\textsuperscript{nd} year McGill Medical Students, ICM-C Surgery), “Ear and Hearing Problems”, 12 hours/year

Postgraduate
Instructor, McGill Otolaryngology Resident Temporal Bone Drilling Course, McGill Simulation Center, Dec. 2008

Course Co-organizer (with Dr. Michael Hier): “Breaking Bad News”; Otolaryngology OSCE (Standardized Patients); McGill Simulation Centre, Mar. 10, 2009.

CME
CME FORT [Focus on Regional Training], “New Strategies in the Differential Diagnosis and Treatment of Red Eye and Ear Infections,” Montreal, QC, June 10, 2008.

CME FORT [Focus on Regional Training], “New Strategies in the Differential Diagnosis and Treatment of Red Eye and Ear Infections,” Laval, QC, June 16, 2008.
Dr. Mark Samaha

Current Positions

Hospital
Medical Acts committee MUHC committee member

University
Coordinator of lecture / grand rounds series, Department of Otolaryngology, McGill University

Member, Residency Program Committee, Department of Otolaryngology, McGill University

National/International Societies
Associate editor, Journal of Laryngology and Otology (UK)
Reviewer, Journal of Otolaryngology (Canada)

Teaching Activities

Student Teaching
Lecture to McGill Medical Students: Acute sinusitis, April 1, 2008
Lecture to McGill Medical Students: Acute sinusitis, April 29, 2008
Lecture to McGill Medical Students: Acute sinusitis, June 17, 2008

Resident teaching
Lecture McGill ENT residents: Nasal & Soft Tissue Trauma, September 30, 2008
Lecture McGill ENT residents: Anatomy Radiology, November 18, 2008
Lecture McGill ENT residents: ESS & IGS, December 9, 2008
Lecture McGill ENT residents: Epistaxis, January 6, 2009
Lecture McGill ENT residents: Analysis, January 20, 2009
Lecture McGill ENT residents: Rhinoplasty, January 27, 2009
Lecture McGill ENT residents: Avoiding conflict in ENT, February 17, 2009

Resident research supervision: Yahya Al-Badaai, Nadine Yammine

Northern region surgical visit with resident teaching, Kuujjuaq, November 11-14, 2008

Special Sessions: Teaching at McGill University Simulation Centre
Informed consent - dealing with the difficult patient, April 15, 2008
Breaking Bad News, March 10, 2009

CME
Lecture CME St-Mary’s Hosp (Otolaryngologists), April 10, 2008
Lecture CME Medi-Club Sanctuaire (GP’s): Acute Sinusitis, September 24, 2008
Lecture CME (GP’s): Corticosteroids as monotherapy for acute sinusitis, February 16, 2009

Presentation

Invited Lecture
Panelist, Septoplasty and Turbinates: A Panel on Treatment and Philosophy

Education and Postgraduate Training

ACLS re-certification, December 6, 7, 2009.

Dr. Melvin D. Schloss

Current Positions

Hospital
Director, Pediatric Otology Division of Otolaryngology – Head & Neck Surgery

University
Professor, Department of Otolaryngology, McGill University

Teaching Activities

Elective program, Department of Otolaryngology, McGill University
Elective Committee, CME, Faculty of Medicine, McGill University
PhD Thesis Committee for Dr. R. Munguia

Presentations

Giguère C., Schloss M.D., Diagnostic et Traitement des Lymphangiomes. Journées Scientifiques d’ORL. February 17, 2009, Quebec, Quebec.

ENT Emergencies; Otitis Media. October 4, 2008, Montreal, Quebec.

Courses organized/Directorships

Mini Med School, Montreal Children’s Hospital

Bernard Segal

Current Positions

Hospital (SMBD-Jewish General Hospital)
Director of Research, Department of Otolaryngology

University (McGill)
Director of Research, Department of Otolaryngology
Director of Graduate Studies, Department of Otolaryngology
Member, Residency Training Committee, Department of Otolaryngology
Chair, Research Committee, Department of Otolaryngology
Director, Graduate & Enrichment Programs, Department of Otolaryngology
Member, Departmental Tenure committee, Department of Otolaryngology
Member, CARMS Selection committee, Department of Otolaryngology
Chair, Departmental Master’s Program review committee, Graduate Faculty
Member, Clinical Investigator Program Committee, Faculty of Medicine
Member, Canadian Society for Clinical Investigation/CIHR award Committee, Faculty of Medicine

National
Member, Electromagnetic compatibility committee, Radio Advisory Board
Member, Annual meeting Local organizing committee, Can Soc Biol Med Soc

International
Member, Electromagnetic compatibility Committee, AAMI
Co-chair, Local organizing committee of ISMICT209, ISMICT

Teaching Activities

Residents
I gave a seminar course on research topics to residents in the enrichment year and master’s program. I also dealt one-on-one with academic issues associated with these activities.

Post-doctoral Fellows
Donald Davis, 2007-08, $36,000

Research Engineers
Goldenberg, M, 2008
Quach, J, 2009
Continuing Medical Education
As the co-chair of the *Third International Symposium of Medical Information and Computer Technology*, I was responsible for the McGill-listed CME components (9 hours) of this international meeting.

Research
Overview: My current research aims to facilitate safe wireless informatics usage in healthcare by unblocking obstacles to wireless usage in healthcare. As Principal investigator of a highly-interdisciplinary (otolaryngology, engineering, epidemiology, medicine) multi-hospital (Jewish General Hospital, MUHC (RVH & MGH), St Mary’s Hospital), multi-university (McGill, Concordia, University of Montreal) research project, I have received significant funding for this research, which will evaluate the use wireless informatics to reduce medication errors in emergency rooms.

I am contributing to guidance and standards in electromagnetic compatibility. I am part of an international committee that has produced a draft of the second edition of the AAMI document: “Guidance on electromagnetic compatibility of medical devices for clinical/ biomedical engineers, Part 1: Radiated radio-frequency electromagnetic energy. TIR No. 1. The draft is currently undergoing international voting.

Presentations
(Non-refereed)


Courses Organized/Directorships
*Third International Symposium on Medical Informatics and communication technologies*: I was invited to co-chair and to organize this unique international symposium of engineers and clinicians to promote better use of communication technologies in healthcare. About 200 attendees. (see www.ISMICT2009.org) February 24-26, 2009. As part of this symposium, I organized a special session on “Wireless patient safety”.

Segal (2008) Invited chair and organizer for a half-day multi-speaker special session “Wireless patient safety”, at the Third International symposium on Medical information and communication technology.


Dr. Robert Sweet

Current Positions

Hospital
Academic director, Department of Otolaryngology, McGill University, MUHC (MGH site)

University
Assistant Professor, Department of Otolaryngology, McGill University

Teaching Activities

Instructor, Temporal Bone Drilling Course, Department of Otolaryngology
Lecturer, ICM Surgery

Meetings Attended

Faculty Development Workshop, *Clicker Questions*, November 11, 2008
MD Schloss Research Day, February 2, 2009

Research

Lactate Otoprotection Against Platin Ototoxicity, master’s thesis of Denise Murphy, supervised by Dr. Sam Daniel

Dr. Ted Tewfik

Current Positions

Professor, Department of Otolaryngology, McGill University
Member, Editorial Board, International Journal of Otolaryngology
**Presentations and Invited Lectures**

Tumors of the Head and Neck in Children, 8th International Meeting, The Egyptian ORL Society, 2008, The Marriott Hotel, Cairo, Egypt

Challenging Cases in Pediatric ORL, 8th International Meeting, The Egyptian ORL Society, 2008, The Marriott Hotel, Cairo, Egypt

Foreign Bodies of the Aerodigestive Tract, 8th International Meeting, The Egyptian ORL Society, The Marriott Hotel, Cairo, Egypt

Infections in ORL, 8th International Meeting, The Egyptian ORL Society, The Marriott Hotel, Cairo, Egypt


Course on: Microbiologie 101 des abcès cervicaux., Journées scientifiques d’ORL, Quec City, 2008

Panelist, Table Ronde on : Masses cervicales non-oncologiques. L’expérience ou la science. Journées scientifiques d’ORL, Quebec City, 2008

Symposium on Interesting and Challenging Cases in Pediatric Otolaryngology, Canadian Otolaryngology-HNS Meeting, Jasper, Alberta, 2008


Discussion des cas intéressants: Parotite, sinusite, cavité buccale et otite. Journées annuelles de Formation de L’AMMIC (JAFA) 2009 et Journée conjointe AMMIC – ASSORL: Infection de la sphère ORL, (Panéliste expert)

**Dr. Anthony Zeitouni**

**Current Positions**

**University Positions**
Associate Professor, Department of Otolaryngology, McGill University Faculty of Medicine
Chief of Skull Base Surgery for the Department of Otolaryngology
Research Committee Member, Department of Otolaryngology
Residency Program Committee, Department of Otolaryngology

**Hospital Positions**
Site Director, Department of Otolaryngology, Royal Victoria Hospital
Medical Director, Head and Neck Tumor Group, McGill University Health Center
Canadian Society of Otolaryngology-Head Neck Surgery, Society Historian

***Invited Lectures***

Endoscopic Pituitary Surgery, Cairo, 2008

McGill Update in Otolaryngology Course, Mont-Tremblant, March 2008

***Items of Note***

Medical Directory: As medical director of the Head and Neck Team at the MUHC led team to supraregional Head and Cancer center status.

Site Director: As site director for the RVH we obtained honors during the Hospital accreditation visit, including an outstanding practice recommendation.

Co-director Skull Base clinic: As co-director of the Skull Base Clinic our team, as part of Neuro-oncology was the first in the Province to get level 4A recognition from the Lutte Contre le Cancer.

***Teaching Activities***

**Undergraduate Students**
Involved in teaching students and research with them

**Residents**
Three residents are on the clinical service
I oversaw research by a number of students, residents and a fellow

**Fellows**
Skull Base Fellow, Dr Saleh Al-Gamdi
Pediatrics fellow, Fahad Al-Sabb

**CME**
Organizing committee for Journée Hypophysaire, sponsored by the Fédération des Médecins Spécialistes du Québec.
McGill Update in Otolaryngology, Mont-Tremblant, March 2008
2.6 Involvement in the Community

**Dr. Françoise Chagnon**

Secretary, Board of Directors, Lallemand Inc.

Presentation to Members of Parliament (Canadian Medical Association), March 2009

**Dr. Sam Daniel**

**Fundraising**

President and organizer BAHA fundraising golf tournament, June 2009. Broadcast by CTV News Power of one

Chairman, of the “I Hear You” fundraising campaign for the Bone Anchored Hearing Aid (BAHA) program and hearing research.

Standard Life, step up for the children launching campaign

**TV Features**

Botulinum toxin use for sialorrhea, Club Social, TV5 network, April 2 2009

Neonatal Hearing Screening Coalition, Local & national news. Lobbying for universal newborn hearing screening in Quebec, June 18 2008

MP3 players use in teenagers and hearing loss, CBC Interview, May 2008

**Dr. Saul Frenkiel**

Co-chair, McGill Head and Neck Cancer Fundraiser

**Dr. Athanasios Katsarkas**

Every Saturday radio comments on CFMB (Greek hour)

**Dr. John Manoukian**

Mashdots Education Fund committee of the Association of Armenians from Egypt

Position: Vice President

Project: sponsoring student education for university degree in Armenia, for eligible students with high scholar talent and with low economic family situation.

Steering committee, World reunion of Armenian schools of Egypt

Yerevan, Armenia, 2007 – 2008

Position: Vice-President

Project: Organizing the reunion of 500 Armenians from around the world, who had some part of their past education in Egypt
**Dr. William Novick**

Competitive tennis competition, Macabiah Games, Israel

**Dr. Richard Payne**

Co-chair, McGill Head and Neck Cancer Fundraiser

Director of Medical Doctor’s Division, CJA

**Dr. Melvin Schloss**

Coordinator of Mini-Med Program, Montreal Children’s Hospital
Appendix I: HONOURS, AWARDS AND PRIZES

**Dr. Martin Black**

- Dr. Martin Black – Royal College of Physicians and Surgeons of Canada’s “Prix d’excellence” (2009)

**Elizabeth Blouin**

- Elizabeth Blouin won the Clinical Award of Excellence (May 12, 2009) given by the MUHC-RVH’s Department of Nursing.

**Dr. Sam Daniel**

- Dr. Sam Daniel – Canada’s Top 40 Under 40 Award, 2008
- Dr. Sam Daniel – “Best Teacher Award”, Department of Otolaryngology McGill University, award voted by the otolaryngology residents of McGill University for the 2007-2008 academic year, May 2008
- Dr. Sam Daniel – Montreal Children’s Hospital Foundation’s 2008 Medical Award of Excellence, “awarded to a physician whose exceptional patient care, superior knowledge, valued teaching abilities and generous accessibility to the Hospital Community are an inspiration to others”, $25000, Montreal Children’s Hospital, April 2008
- Dr. Sam Daniel – The Montreal Children’s Hospital Surgical Teaching Award, “in recognition of the outstanding contribution to surgical teaching 2007-2008”. Award voted by fellows and residents in general surgery & all surgical sub-specialties, May 2008
- Dr. Sam Daniel – Charles F Ferguson Clinical Research Award for paper presented by my student Melanie Duval, American Society of Pediatric Otolaryngology, 2008
- Dr. Sam Daniel – Fonds de Recherche en Santé du Québec (FRSQ) Salary Award – Chercheur boursier clinicien Junior 2. Total Amount: $100,970 – (2008-2011)

**Dr. Martin Desrosiers**

- Dr. Martin Desrosiers - *American Rhinology Society, Annual Meeting, Chicago, ILL, September, 2008*
  *First prize*, Basic Science research: Castano R, Bossé Y, Mfuna Endam L, Desrosiers M. Evidence of association of Interleukin 1 receptor-like 1 gene polymorphisms with surgery unresponsive chronic rhinosinusitis.

This is the third time that our group has won the first prize at the American rhinologic society.
Dr. Saul Frenkiel

- Dr. Saul Frenkiel received the David L. Johnston Award from the McGill Alumni Association (May 2009)

Dr. Henrietta Galiana

- Dr. Henrietta Galiana – Engineering in Medicine and Biology Society (IEEE EMBS) Annual Service Award, 2008

Dr. Karen Kost

- Dr. Karen Kost – Best Teacher Award (2008-2009), Department of Otolaryngology

Christina MacDonald

- Christina MacDonald and Sonia Boccardi won the Slatkoff Award from the Nurses Week Committee poster presentation prize (May 2009).

Dr. Richard Payne

- Dr. Richard Payne – Recipient of 2008 Promee for young professional of the year
Appendix II:
PUBLICATIONS (CALENDAR YEAR 2008)

* This list of publications is also available online: [http://www.mcgill.ca/ent/publications/2008/](http://www.mcgill.ca/ent/publications/2008/)


43. **Segal B** (Trueman CW, Muhlen SS, Davis D, **Segal B**.) (2008) “Field Strength Estimation in Indoor Propagation by the Sabine Method” Proc of the 2008 annual meeting of the Applied Computational Electromagnetics Society. 6 pages


46. **Tewfik TL**. “Relieving ear pressure. How do you go about when a patient has feeling of water/pressure in ears, especially following air travel?” Canadian journal of CME 20 31, 2008.


Book Chapters


McGill Head and Neck Oncology Program (Dr. Martin Black – Director)  
(Submitted by Dr. Martin Black and Dr. Anthony Zeitouni)

Clinical Activities

Multidisciplinary head and neck clinics at the three hospital sites see a very large volume of head and neck cancer patients. In excess of 10,000 oncology visits were recorded in the past year. The diagnoses of our patients consist of classical head and neck aerodigestive tract cancers, a burgeoning volume of thyroid cancers, an increasing volume of complicated skin cancers, and a diagnostic service for hemato- oncology patients presenting with head and neck lymphomas. We see almost 800 new head and neck cancers annually under these diagnostic groups. Our surgical services operate daily at the hospitals, providing advanced cancer care surgically for our patients including classical head and neck surgery, laser ablative surgery, skull base surgery, and reconstructive surgery. Patients and their families are offered a complete range of cancer care services that are administered by the extensive multidisciplinary teams at the hospitals. All new cancer patients are presented to multidisciplinary tumour boards for treatment and management decisions. A modest list of treatment options has been introduced in the past year including novel drug therapies, immunotherapies, and combined chemoradiation therapies. These are outlined in our clinical protocols available for our patients.

Administration

The head and neck services at our hospitals have reached a 3A designation by the Lutte Contre le Cancer, and a very determined and prolonged effort has been made to approach a level 4 supraregional status. Some of the barriers are institutional, and they are slowly but surely being overcome, and we look forward to this designation after reapplication was made in 2009. A very broadly based effort, including our partners in Medical Oncology, Radiation Oncology, Nursing, Dietary Social Work made this effort successful and allowed us to reflect on and enhance upon our services to the patients we see and to the public we serve.

Teaching and Research

Our teaching services are well-received, active, and broadly based, including medical students, dietary students, speech therapy students, students from abroad and residents of the Otolaryngology program and from sister services. Dr. Hadi Hakami from Saudi Arabia has been the head and neck fellow for the past year and will continue and do another year with us. We anticipate a number of publications as a result of his experience. Our clinical research efforts include collaboration with inter-university research protocols, national organizations such as the RTOG, collaboration with the McGill Dental School, and a number of life educational projects in head and neck cancer patients. We also have collaborative, ongoing prospective studies with the clinical nutrition group at McGill, looking at cachexia in cancer patients. In addition, we collaborate with institutions across Canada, for example, the Princess Margaret in Toronto.
oncology nurses, Elizabeth Blouin and Christina MacDonald, have been able to put together a variety of teaching materials that have become available to patients and their families, and some of these presentations have been made to nursing staffs in general at the CLSCs and across the city of Montreal. This has been a new effort and has been very well received. Below is a list of open research protocols.

### Head and Neck Oncology Research Protocols

<table>
<thead>
<tr>
<th>Head &amp; Neck</th>
<th>RTOG 0244 (Closed)</th>
<th>A Phase II Study of Submandibular Salivary Gland Transfer to the Submental Space Prior to the Start of Radiation Treatment for Prevention of Radiation-Induced Xerostomia in Head and Neck Cancer Patients</th>
</tr>
</thead>
<tbody>
<tr>
<td>Head &amp; Neck</td>
<td>RTOG 0522 (Active)</td>
<td>A Randomized Phase III Trial of Concurrent Accelerated Radiation and Cisplatin versus Concurrent Accelerated Radiation, Cisplatin, and Cetuximab (C225) [Followed by Surgery for Selected Patients] for Stage III and IV Head and Neck Carcinoma</td>
</tr>
<tr>
<td>Head &amp; Neck</td>
<td>RTOG 0514 (Active)</td>
<td>Establishment of a Head and Neck Cancer Tissue/Specimen Bank</td>
</tr>
<tr>
<td>Nasopharyngeal</td>
<td>RTOG 0225 (Closed)</td>
<td>A Phase II Study of Intensity Modulated Radiation Therapy (IMRT) +/- Chemotherapy for Nasopharyngeal Cancer</td>
</tr>
<tr>
<td>Nasopharyngeal</td>
<td>RTOG 0615 (Active)</td>
<td>A Phase II Study of Concurrent Chemoradiotherapy Using Three-Dimensional Conformal Radiotherapy (3D-CRT) or Intensity-Modulated Radiation Therapy (IMRT) + Bevacizumab (BV) for Locally or Regionally Advanced Nasopharyngeal Cancer</td>
</tr>
<tr>
<td>Oropharyngeal</td>
<td>RTOG 0022 (Closed)</td>
<td>Phase I/II Study of Conformal and Intensity Modulated Irradiation for Oropharyngeal Cancer</td>
</tr>
<tr>
<td>Squamous Cell</td>
<td>McGill 0723 (Active)</td>
<td>A Phase 3 Randomized Trial of Chemotherapy with or without Panitumumab in Patients with Metastatic and/or Recurrent Squamous Cell Carcinoma of the Head and Neck</td>
</tr>
<tr>
<td>Squamous Cell</td>
<td>McGill 0735 (Active)</td>
<td>A Phase 2, Randomized Trial of Chemoradiation with or without Panitumumab in Subjects with Unresected, Locally Advanced Squamous Cell Carcinoma of the Head and Neck</td>
</tr>
<tr>
<td>Squamous Cell</td>
<td>RTOG 9003 (Closed)</td>
<td>A Phase III Randomized Study to Compare Twice Daily Hyperfractionation, Accelerated Hyperfractionation with a Split and Accelerated Fractionation with Concomitant Boost to Standard Fractionation Radiotherapy for Squamous Cell Carcinomas of the Head and Neck</td>
</tr>
</tbody>
</table>
Squamous Cell RTOG 9501 Phase III Intergroup Trial of Surgery Followed by (1) Radiotherapy vs (2) Radiochemotherapy for Resectable High Risk Squamous Cell Carcinoma of the Head and Neck

Honours, Awards, Prizes

- Dr. Martin Black was awarded Royal College of Physicians and Surgeons of Canada, Prix d’excellence, Mentor of the Year, 2009.

- Elizabeth Blouin (oncology nurse) won the Clinical Award of Excellence given by the MUHC-RVH’s Department of Nursing, May 12, 2009.

- Christina MacDonald (oncology nurse) and Sonia Boccardi (nurse education consultant) won the Slatkoff Award from the Nurses Week Committee for their poster presentation on preventing head and neck cancer, May 2009.

Recruitment

We look forward to the recruitment of Dr. Alex Mlynarek, who has spent two fellowship years in Edmonton and subsequently in New Zealand, who will join the McGill head and neck group in the summer of 2009.
HOSPITAL REPORTS

Department of Otolaryngology
Royal Victoria Hospital

The RVH Site continues to be involved in all aspects of Otolaryngology-Head and Neck Surgery, thus fulfilling its mandate as a teaching hospital for our speciality while continuing to develop its centers of excellence and affiliate Interdisciplinary Teams.

In Skull Base Surgery, the arrival of a new oncologic neurosurgeon has marked the year, as has the team’s involvement in organizing a new course on pituitary tumours hosted by the Federation des medicine et specialities. Clinical volumes as well as research work have likewise increased. The Head and Neck Team has been recognized as a Super Regional Team for Head and Neck Cancer in the province of Quebec by the Lutte Contre le Cancer. It is in the process of redeveloping its website and is working closely with Molson Imaging in this regard. New patient educational material including a DVD, were made available to our patients at the MGH and RVH. Elizabeth Blouin, Infirmerie Pivot in Oncology was awarded the Clinical Excellent Prize in Nursing for her work with the Head and Neck Patients. The team at the MUHC continues to have close links with its counterparts at the JGH and hosts weekly teleconferences.

The Vestibular Lab remains active and continues to generate original research which has obtained important grants. Dr. Katsarkas is president of the Council of Physician and Dentist of the MUHC, he also sits on the Ethics Review Committee.

New Equipment has been obtained for both the RVH clinic as well as O.R. including Head Lights and new flexible scopes.

Working closely with the hospital, we have decided to increase the personnel of the ENT clinic. We have gone from one patient attendant to two individuals responsible for supporting the professional staff. This has led to a significant improvement in our efficiency.

Publications, grants and protocols are detailed in the annual report for each member of the Department.
Clinics

The MGH continues to have daily clinics subserving all the subspecialties of Otolaryngology. These include dedicated clinics in otology/vestibular, rhinology, head and neck, laryngology and dysphagia, as well as a general otolaryngology clinic.

- **Dizziness Clinic:** Dizziness Clinic sees patients with vestibular dysfunctions (dizziness/inner ear imbalance), with a majority of referrals from Family Physicians, Specialists (mainly neurologists) as well as the SAAQ and CSST for expert opinions.

- **Rhinology Clinic:** Specializes in sinus disorders and intranasal sinus surgeries. Several minor outpatient sinonasal procedures are performed, including biopsies, sinus lavage, and treatment of synechiae.

- **Laryngology Clinic:** The laryngology clinic is unique and highly subspecialized, and services patients with a wide spectrum of vocal disorders. This clinic is equipped with a database for patient entry and digital recording of all examinations. The patient subset includes professional voice users, singers, and actors as well as individual members of the population with voice disorders. The referral base is very large, and includes family physicians, specialists, and otolaryngologists from greater Montreal. In addition, a large number of referrals come from outside Montreal, and indeed, outside the province, including Ontario and New Brunswick.

- **Dysphagia Clinic:** The dysphagia clinic is multidisciplinary in nature, benefitting from the expertise of an Otolaryngologist, Speech-Language Pathologist, Dietician and Occupational Therapist. There is a significant (four-six mos) and growing waiting list for this clinic. Over the next year, dysphagia patients will be seen by several otolaryngologists on an interim basis. With the expected return of a fellowship trained otolaryngologist, the dysphagia clinic will resume, and expand its services. This is the only clinic of its kind in Quebec, with family physician and specialist referrals from all regions of the province.

- **Neurolaryngology and Dystonia clinic:** This clinic is run through the QEHC once monthly and specializes in the treatment of patients with laryngeal dystonias and neurolaryngological disorders. It is multidisciplinary, and involves both a laryngologist and neurologist in performing EMGs and administering Botox treatments. It is the only clinic of its kind in Montreal. The broad referral base includes family physicians, neurologists, and otolaryngologists. Referrals come from Montreal, the province of Quebec, Ontario and Gaspé.

- **Head and neck clinic:** This clinic is multidisciplinary, with a radiation oncologist, speech-language pathologist, medical oncologist (available as needed) and infirmière pivot.

- **Otology Clinic:** The otology clinic sees patients with a wide variety of challenging external, middle and inner ear disorders. All patients are referred from family physicians and specialists.
• Thyroid Clinic: The thyroid clinic at the MGH is multidisciplinary in nature, consisting of an Otolaryngologist and Endocrinologist. It is equipped to perform ultrasound-guided biopsies, and treats patients with a wide range of benign and malignant diseases of the thyroid gland. Referrals come from family physicians and specialists.

Equipment

The MGH clinic is fully equipped with a laryngoscope and wall-mounted microscope in each of the 5 examining rooms. There is also a battery-powered laryngoscope available to staff and residents for in-patient/emergency consultations. The out-patient operating room is equipped with a high-quality microscope with a video monitor, and is outfitted with two operating room quality lights to allow for more complex procedures. All the rooms have recently been repainted.

The MGH has acquired five complete ‘chip-tip’ flexible endoscope units, with 19” wall-mounted screens and digital recording capabilities. One of these scopes has a working port for biopsies. In addition there is a transnasal esophagoscope with a working port. These units allow for increased outpatient endoscopic procedures such as vocal fold injections and TNEs. They also allow for improved teaching and a net decrease in the number of unnecessary ‘repeat’ examinations. The equipment has been received but is not yet installed because of some issues pertaining to the cleaning of the scopes. The issues are being addressed and the scopes should be in use before the end of the summer.

The Voice and Dysphagia laboratories are equipped with a digital system which is used for recording examinations. Highly specialized outpatient procedures such as vocal fold augmentations are performed under endoscopic guidance. These laboratories are ideal for teaching because of the high quality imagery, and provide residents their only exposure to voice and swallowing disorders. The integrated database is very large and continues to facilitate research projects in laryngology and dysphagia. Efforts are currently underway to acquire a second videostrobolaryngoscopy unit.

Operating Room

Operating time is currently being redistributed between the RVH and MGH. Currently, the MGH is allotted one Head and Neck day weekly, and this is expected to increase. Operating at the MGH has proved beneficial for resident teaching, and allows the service access to ‘flex’ time, which is allotted to services involved in surgical oncology. This flex time is not available at the RVH, and has resulted in a net gain of eight or more head and neck OR days annually. In addition, there are fewer cancellations at the MGH because of greater ICU and recovery room availability. It is anticipated that additional OR time may be moved to the MGH, and this is currently being negotiated as a package which would include additional OR time and improved in patient ward facilities.
News

- Dr. Melvin Schloss resigned his position as Director of Pediatric Otolaryngology after serving for 32 years. During his tenure, Dr. Schloss was responsible for the development of a pediatric program that achieved an international reputation. Our division extends its thanks and sincere appreciation to Dr. Melvin Schloss for his important contributions. Dr. Schloss will remain active and will be in charge of the otology teaching program.

- Dr. Sam Daniel took over in November 2008. His mandate is to build a world-class academic program and prepare our move to the new site. There is a lot of excitement as we are preparing for the Glen site. Pediatric Otolaryngology will have its own designated clinical area in a top-notch facility and with state-of-the-art equipment.

- Our division changed its name officially to “Otolaryngology-Head and Neck Surgery”. This was a politically tricky move that finally folds a page and allows us to move forward.

- Our clinical area is undergoing renovations over the next six months. For the first time, the residents and fellows will finally obtain their own room on the third floor with computer and internet access. Dr. Daniel also negotiated a new conference room/workspace for our division. This will be equipped with a projector and new books will be purchased.

- Louise Miller, head of audiology, has retired this year. The new Chief is Anne-Marie Hurteau. We look forward to strengthening our relation with audiology and expanding our collaborations.

Clinical Centers of Excellence

- Airway Program:
  - This program is recognized at provincial and national levels. A monthly multi-disciplinary clinic is run jointly with respiratory medicine.
  - Otolaryngology staff: Drs. Daniel, Manoukian, Nguyen

- Otology Program:
  - This multi-disciplinary clinic exposes the fellow and residents to referred complex otology cases and the BAHA program
  - Otolaryngology staff: Drs. Daniel, Schloss

- Rhinology clinic:
  - This clinic evaluates referred cases of rhinology and allergy
  - Otolaryngology staff: Drs. Daniel, Manoukian, Nguyen

- Reflux clinic:
  - This innovative clinic is run jointly with GI. Endoscopy and ph-probe testing can be performed. A research protocol is currently conducted on the validation of a Pediatric Reflux finding score and questionnaire
  - Otolaryngology staff: Drs. Manoukian, Nguyen
Saliva Management clinic:
- This clinic has a true international and national reputation. The program is associated with the Mackay rehabilitation center and has a team of seven professional experts in saliva management. A separate fellowship program exists and over 2000 patients have been seen to date (adult and pediatric).
- Otolaryngology staff: Dr. Daniel

Fellowship Program
- Our fellowship program has been thriving with five recruited fellows over the past five years.
- Dr. Fahad Al-Saab has successfully completed his fellowship. He will be returning to Saudi. We welcome Dr. Yaser Al-Rhaji who will be replacing Fahad.
- The fellowship program will now be better structured with clear academic and clinical objectives. Dr. Al-Rajhi was informed of the new format. The goal is to have our fellowship eventually accredited and part of the match program.
- I would also like to thank Dr. Schloss for agreeing to organize a weekly teaching session for fellows and residents and all the division staff that are actively involved in these sessions.

Mendelsohn Temporal Bone Drilling Laboratory
- On October 30, 2008 Dr. Frenkiel inaugurated the Mendelsohn Temporal Bone Drilling Laboratory. All residents rotating at the MCH will have to drill a temporal bone as part of their formal evaluation.

Neonatal Hearing Screening
The Québec Coalition for Newborn Hearing Screening was very successful. A province-wide universal newborn hearing screening program was finally approved by the ministry. Our next battle is to get a cochlear implant program in Montreal.

Outreach Program
Our pediatric mission is expanding with “corridors de services” and networks established with Verdun, Lakeshore, Charles Lemoyne, and Pierre Boucher Hospitals. The Verdun Otolaryngologists will be part of the MCH otolaryngology family with an appointment as associates.

Recruitment
The increased demand that we are facing and our waiting list warrant the recruitment of an additional full-timer at the MCH. A request was made by Dr. Frenkiel to the Association, as we would like to actively recruit within the next 18 months.

MCH Otolaryngology National and International Exposure
- Dr. Schloss is honoured as one of the pioneers of otolaryngology in Quebec, along with Drs. Black and Frenkiel
- Dr. Daniel is the president of the International Congress of salivary Gland Disorders and of the Quebec Otolaryngology Annual Meeting of 2009

- Dr. Manoukian is the Regional Representative for Quebec at the Canadian Society of Otolaryngology Head & Neck Surgery

- Dr. Daniel was nominated on the Research Committee of ASPO (American Society of Pediatric Otolaryngology) and is the director of Continuing Medical Education of the Canadian Society of Otolaryngology

- Dr. Manoukian is the vice-president of the Steering committee, World reunion of Armenian schools of Egypt

- Dr. Tewfik was a moderator at the AMMIQ Infectious disease annual meeting

- Dr. Nguyen is Member of the Otolaryngology Undergraduate Medical Education Working Group of the Canadian Society of Otolaryngology – Head & Neck Surgery
The Department continues to be active both clinically and academically as part of the McGill University Otolaryngology network.

In its clinical scope, there were designated clinics in general Otolaryngology and in the subspecialty areas of head and neck oncology, thyroid oncology, rhinology, and neuro-otology. Vestibular testing was performed on site. A weekly head and neck tumour board was held as part of a multidisciplinary process. Departmental clinical rounds also occurred on a weekly basis for discussion of patient management and quality improvement. Departmental staff and residents did regular rounding of in-patients, including involvement of tracheostomy care throughout the Hospital. The Department operated six full days per week doing both general Otolaryngology and the more highly specialized tertiary and quaternary types of surgery.

The Department received four McGill residents throughout the year and supervised one head and neck fellow for the entire year. Residents on rotations from other disciplines, including Plastic Surgery, Radiation Oncology, and Family Medicine were also supervised in the the Department. The Department received 12 medical students and five medical residents on elective rotations.

The Head and Neck Oncology unit was acknowledged by the province of Quebec with a designation of supra-regional status for la Lutte Contre le Cancer.

We are pleased to announce that Dr. Alex Mlynarek has accepted a position as GFT in Head and Neck Surgery commencing summer 2009. After completing his residency at McGill, Dr. Mlynarek did a two year fellowship in Head and Neck Oncology; the first year, at the University of Edmonton and then at the University of Auckland, New Zealand, specializing in micro vascular (free flap) reconstruction.

Members of the Jewish General Hospital Staff were active participants in the annual McGill Head and Neck Fundraising event, which took place on May 27, 2009 at the Montreal Science Centre.

The Department of Otolaryngology hosted the Annual Raymer Lecture on April 30, 2009. Dr. Dominique Dorion from the Université de Sherbrooke, presented on (Anybody cares about the surgeon’s) QOL AFTER SURGERY?

Dr. Martin Black, McGill Head and Neck Surgery Oncology Program Director, received the Prix d’Excellence (2009) from the Royal College of Physicians and Surgeons of Canada.

Dr. Richard Payne, Head and Neck surgeon, won the prestigious Promee Award (2008) for Young Professional of The Year.

Dr. Saul Frenkiele received the David L. Johnston Award from the McGill Alumni Association.

Christina MacDonald (oncology nurse) and Sonia Boccardi (nurse education consultant) won the Slatkoff Award from the Nurses Week Committee for their poster presentation on preventing head and neck cancer, May 2009.