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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

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
Galiana, H.L., B. Eng., M. Eng., Ph.D. (McG.)
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
Desrosiers, M., M.D. (Montr.) FRCSC
Fanous, N., M.B., B.CH. (Cairo), FRCSC
Funnell, W.R.J., B. Eng., M.Eng., Ph.D. (McG.)
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
Daniel S., 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

Associate Member
Hamid, Q., M.D.(Iraq), Ph.D.Med.(UK)

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

Adjunct Professor
Dufour, J.J. M.D. (Laval) FRCSC

Administrative Assistant:
Gaby Stanischewski
1.3 Administrative Structure and Committees

Departmental Chair ........... Dr. Saul Frenkpiel
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 (Clinical)
                                Dr. Robert Sweet (Residents)
Jewish General Hospital .......... Dr. Jamie Rappaport (Clinical)
                                Dr. Michael Hier (Residents)
Montreal Children’s Hospital .......... Dr. Melvin Schloss

Executive Committee .......... Dr. Saul Frenkpiel (Chair), Dr. M. Black,
                             Dr. M. Schloss, Dr. A. Katsarkas

Residency Program Committee .......... Dr. John Manoukian (Chair)
                                    Dr. Jamie Rappaport (Co-Chair)
                              Dr. Mindy Black, Dr. Sam Daniel, Dr. Michael Hier,
                              Dr. Robert Sweet, Dr. A. Zeitouni,
                              Dr. Bernard Segal, Dr. Mark Samaha, Dr. Valerie 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 Frenkkel, Dr. Robert Funnell, Dr. A. Katsarkas,
                               Dr. Michael Hier, Dr. Karen Kost

Fellowship Committee .......... Dr. Jamie Rappaport (Chair)
                          Neurotology: Dr. Jamie Rappaport, Dr. A. Katsarkas, Dr. A. Zeitouni
                          Rhinology: Dr. Saul Frenkkel, Dr. Martin Desrosiers, Dr. Mark Samaha
                          Pediatrics: Dr. Melvin Schloss, Dr. Ted Tewfik, Dr. John Manoukian &
                                      Dr. Sam Daniel
                          Head & Neck: Dr. Martin Black, Dr. Michael Hier, Dr. Karen Kost
                          Vestibular: Dr. A. Katsarkas

Continuing Medical Education (CME) .......... Dr. Ted Tewfik (Chair)
Annual McGill Otolaryngology Update Course- Drs. Jamie Rappaport, Michael Hier, 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 2007-2008 Annual Report. The following pages will highlight both the individual and collective productivity of the Otolaryngology faculty and the Department. We view ourselves as primarily a clinical service, but nevertheless, provide a strong academic contribution to the university.

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 the academic process. On behalf of McGill University, I offer my compliments to our academic staff, many of who have achieved national and international recognition for their academic work.

In the summer of 2007, I completed my tenure as President of the Canadian Society of Otolaryngology – Head and Neck Surgery. However, our McGill Department continued to play an active role in the affairs of our national society where many of our staff hold important administrative positions and where many of us present papers, symposia and workshops to the Canadian Otolaryngology community. I acknowledge the participation of our otolaryngology residents and select McGill medical students who have presented their research at this important national event.

In recent years, our Department has achieved considerable success through staff retention and through careful recruitment. Since the start of my tenure, new professors who have joined our department include Drs. Sam Daniel, Mindy Black, Richard Payne, and Lily Nguyen. Each of these individuals has contributed to the strength of the department and towards its academic performance.

Dr. Sam Daniel was appointed as a clinician-scientist, representing a rather unique and rare position in Canadian Otolaryngology. Through a combination of departmental, university and national grant support, he successfully started the McGill Auditory Sciences Laboratory, which has now achieved international recognition. Dr. Mindy Black has become an important member of the Speech and Swallowing Unit situated at the Montreal General Hospital. Dr. Richard Payne completed a Head and Neck Oncology fellowship and has become prominent in the field of thyroid surgery. Dr. Lily Nguyen, after completing her fellowship in Pediatric Otolaryngology, has now graduated as a McGill Faculty Scholar in Education. She will continue to play an important role as a medical educator for both undergraduate and post graduate training.

We anticipate the arrival of two strong recruits who are each in the process of completing their two years of fellowship training. Dr. Alexander Mlynarek will be joining our department in 2009 with special expertise in micro-vascular surgery. Dr. Marc Tewfik is projected to join our department in the year 2010 to enhance the growing subspecialty of Skull Base Surgery. We look forward to them joining us.

With respect to the anticipated move of our department within the McGill Superhospital project, the current plans will locate the Department of Otolaryngology at the Glen Site to be part of the development of the MUHC Head and Neck Oncology mission. Nevertheless, our department will maintain a presence
at the Mountain Site with respect to the growing skull base program as a multi-disciplinary effort with neurosurgery.

In the past year, our departmental fundraising efforts have grown by leaps and bounds. I would like to compliment the work of Dr. Richard Payne and our active fundraising committee. This year, the Annual Head and Neck fundraiser grossed more than $500,000. This is more than double from the previous year and is largely to the credit of individuals who devoted their time generously and passionately towards helping our department. The money that is raised is used to enhance the important research and academic activities at McGill Otolaryngology.

Our department is presently in the process of future planning that will enhance our academic mission. We anticipate the development of a number of Centers of Excellence that will incorporate both a clinical and academic mission. These Centers of Excellence will be developed in the areas of Head and Neck Surgery, Skull Base Surgery, Neurotology and Voice and Dysphasia. In parallel, Pediatric Otolaryngology will develop its own areas of expertise.

It is also on the agenda of the Chair to propose to McGill University a name change for our department which will read as follows “Otolaryngology – Head and Neck Surgery”. This is in keeping with a trend that currently exists in North America. We are awaiting a similar Royal College decision on behalf of the Canadian Otolaryngology Specialty Committee before making this request to the University.
Section II: PAST YEAR’S ACTIVITIES

2.1 Highlights

- The department held its 14th Annual McGill Head and Neck Fund Raising event on May 21, 2008. A record amount of more than $500,000 was raised for the department’s research and academic programs. This represents more than double the amount from the previous year. The co-chairs for this event were Dr. Richard Payne and Dr. Saul Frenkie.

- The department held its successful CME Course – 12th Annual Update in Otolaryngology at Mont Tremblant on March 13-15th, 2008. Registrants came from across Canada, the United States and Great Britain. Course directors were Drs. Michael Hier, Jamie Rappaport and Karen Kost.

- The department welcomed the following visiting professors:
  Dr. Jay Goldberg, University of Chicago, 11th Annual McNally Memorial Lecturer
  Dr. Karen Calhoun, University of Columbia, Missouri, 65th Birkett Memorial Lecturer
  Dr. Erin Wright, University of Alberta, 11th Annual Raymer Family Lecturer
  Dr. Michael Rutter, University of Cincinnati, 5th Annual Melvin D. Schloss Lecturer
  Dr. Michael McKenna, Harvard University, 16th Annual Baxter Lecturer

- The department had a medical teleconference in collaboration with the University of St-Joseph, Beirut Lebanon on January 24, 2008. The participants of Lebanon included Dr. Amine Haddad and his staff. This was organized by Dr. Mark Samaha.

- Publications from our staff in peer-reviewed journals for the academic year 2007 were 48 articles. In addition, other publications appeared as textbook chapters and in electronic media format. (see Appendix IV)

- Departmental research laboratories continue to receive important peer-reviewed grants from federal and provincial agencies.
  - Dr. Sam Daniel:
    FRSQ: $100,970, CIHR: $350,000
  - Dr. Bernard Segal:
    PROMPT: $150,000, BELL-NORTEL: $475,500
  - Dr. Athanasios Katsarkas (with Dr. H. Galiana)
    CIHR: $78,822, $98,150, NSERC: $58,590
  - Dr. Robert Funnell
    CIHR: $91,686, NSERC: $20,000
  - Drs. Martin Black and Michael Hier (with Dr. P.J. Allison)
    CIHR: $434,063
• Dr. Melvin Schloss stepped down as Director of Pediatric Otolaryngology after 32 years of service in this position.

• Dr. Martin Black stepped down as Chief of Surgery, Jewish General Hospital after serving for 17 years in this position.

• Dr. Françoise Chagnon stepped down as Director of Professional Services (DPS) of the MUHC.
2.2 Teaching and Learning (Undergraduate and Graduate)

2.2.1 Undergraduate (Dr. Lily Nguyen – Director)

<table>
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<th>Elective Rotation</th>
<th>Number of Students</th>
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<td>Canadian Students</td>
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</tr>
<tr>
<td></td>
<td>1 – University of British Columbia</td>
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<tr>
<td></td>
<td>1 – University of Alberta</td>
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<tr>
<td></td>
<td>1 - University of Toronto</td>
</tr>
<tr>
<td></td>
<td>1 – Universite de Montreal</td>
</tr>
<tr>
<td>International Students</td>
<td>1 – Lebanon</td>
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<td></td>
<td>1 – Brazil</td>
</tr>
<tr>
<td></td>
<td>1 – Syria</td>
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Our Department of Otolaryngology 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. The faculty must be commended for their commitment to undergraduate teaching, 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 (POM) electives.

The Department of Otolaryngology participated in the education of all medical students registered at McGill in the following courses. During the ICM-A (Professional Skills) rotation, students are taught the basics involved in a proper head and neck physical examination. The ICM-Surgery Sub-Specialty (Senior Clerkship) lectures include topics such as “Head and Neck Cancers” and “Head & Neck Emergencies”, whereas the ICM-C (Introduction to Clinical Medicine) rotation introduces students to the subjects of “Ears & Hearing Problems”, “Nose, Sinuses and Rhinorrhea”, “Neck Masses” and “Sore Throats”.

Our department is enjoying an increasing popularity for elective rotations amongst medical students, with 30 students rotating through this last academic year. The feedback from students has been universally positive.

Finally, a database of presentations geared towards medical students has been created and is available to all staff through their administrative secretary. In addition, it is available to all medical students at the undergraduate surgery portal at the Faculty of Medicine, McGill University.
2.2.2 Postgraduate (Dr. John Manoukian – Director)

This year our department will welcome 4 new incoming R1 residents to the program. Two of these residents came through CaRMS positions. They were our 1st and 2nd choices. They are Noah Sands and Yalon Dolev. Our third resident comes to us from the Saudi Mission – Saud Al-Romaih and the 4th resident comes from Kuwait – Faisal Al-Obaid. Moving from R1 (Core Surgery) to R2 are 4 residents Keith Richardson, Nathan Jewett, Michael Chater and Hani Al-Marzouki.

The McGill Otolaryngology Residency Training program is very strong and healthy with a total of 19 Residents and three fellows, two in pediatrics (Hasan Al-Shemari followed by Fahad Al-Saab) and the other in JGH Head & Neck Program (Hadi Hakami). The Academic program consisted of the weekly Grand rounds, Hospital and Tumor board rounds, the Visiting Guest Speakers and Visiting Professors Program, the Academic weekly lectures and four Journal Clubs. The grand rounds and lecture series format is in constant change for the better as per residents’ request and RPC. These changes are coordinated by Dr Mark Samaha. Last year the quality of grand rounds significantly improved with participation of senior residents and staff alike, as well as several invited professorships. Grand Rounds this year will include some Can-MEDS type lectures e.g. an expert from the CMPA will give us a Grand Rounds on informed consent and medico-legal issues in Otolaryngology. Last year academic lecture series were very successful, 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.

This year there will be extra CanMEDS topics including “informed consent, avoiding conflict situations, breaking bad news, dealing with difficult patients/situations, critical appraisal of the literature from a clinical standpoint, and presentation skills”. Some of these topics will be a repeat from last year’s experience, with the use of professional patient actors performed in the McGill Simulation center, which was very successful as per the residents and involved staff. These were coordinated by Dr Mindy Black & Jamie Rappaport. 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, Laryngology performed in the McGill Simulation center with fresh porcine larynges, Vestibular, and two days of Facial Plastic arranged by Dr Nabil Fanous. There was also a very successful temporal bone drilling lab course performed in the McGill Simulation center for the residents under the supervision of Dr. Sam Daniel. I think much more can be done in this wonderful highly technical facility that we have.

There were four McGill and 1 Canadian in training written exams as well as two oral exams prepared in order to assist residents towards the Royal College Certificate exam in the R5 level. All four McGill residents this year successfully passed their Royal College exam (Drs. Khalil Al-Macki, Fahad Al-Saab, Mark Tewfik and Hasan Al-Shemari).

The enrichment year was successful with five excellent research projects done by Dr. Jonathan Young, Valerie Brousseau, Yahya Al-Badaai, Yaser Al-Rajhi and Yammine Nadine. However, 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, there is a plan underway to change the start date of the enrichment year. Instead of the beginning of PGYR4 academic year, the resident work starts at the middle of PGYR3 year and ends at the middle of PGYR4.

New for the up-coming academic year 2008/09, the residents rotating in the research enrichment year will have a month of community rotation at the Lakeshore General Hospital. Dr. Richard Lafleur is the Director of the Otolaryngology Division at the Lakeshore General Hospital, the OTL Department also has 3 other staff (Dr. Roger Lebel, Dr. Jack Rothstein and Dr. Gilles Belisle). This rotation allows residents to experience community-type otolaryngology practice in a small hospital setting with affiliated outpatient clinics. Rotation specific objectives and evaluation have been instituted. This is a specific requirement of accreditation for residency programs in Otolaryngology. Special community rotations to Inuit communities in the far north continue to play an important role in the residency training program. This is in large part to the efforts of departmental staff including Drs. Karen Kost, Jamie Rappaport, Mark Samaha, Anthony Zeitouni and Robert Sweet who make the local arrangements for this important clinical service and resident education experience.

Presentations at the Residency Research Day were again at a high standard. Our department was extremely well represented and involved at the very successful Canadian Society Otolaryngology annual meeting in Jasper Alberta. We had a total of 18 residents’ podium and poster presentations. Our departmental financial policy supports the residents by covering part of their expenses at national and international meetings.

This year each R1 resident in the core surgery program will rotate again for 2 months in our otolaryngology department.

The Residency Program Committee met 6 times during the past year. The most important issue regarding our resident training is the coming Royal College’s external review of our program that will be on September 4, 2008. We, staff and residents, are well prepared for this evaluation. We had an internal review by McGill University on March 26, 2008 that highly praised our department for the changes we have made since our last Royal College Review of April 2006. If the Royal College would visit today they would find our residents now experience a very good atmosphere and healthy learning environment. I am confident we will pass successfully this turbulent period.
2.2.3 Research-Enrichment Year (R4) (Dr. Bernard Segal – Director)

A. 2006-2007 Enrichment year
There were three residents in this group (Dr Al-Macki, Dr Al_Saab, and Dr. Tewfik). Research is largely complete. Dr Tewfik is in the process of completing his master’s thesis.

B. 2007-2008 Enrichment year
There are five residents in this group.

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: Drs. Sam Daniel & Mindy Black
Sponsoring Research Lab: Laboratory of Luc Mongeau
Names of Collaborator(s): Karen Kost, John Manoukian

Resident:       Dr. Yahya AL-Badaai
Project Title: Proteomics Of Nasal Mucus In Chronic Rhinosinusitis: a prospective case-control study
Names of Supervisor(s): Basic-Science: Dr. Martin Latterich, Clinical: Dr. Mark Samaha
Sponsoring Research Lab: Genome Quebec Innovation center proteomics platform
Names of Collaborator(s): Drs. Marcos DiFalco, & Martin Desrosiers,

Resident:       Dr. Yaser Al-Rajhi
Project Title: Gastroesophageal reflux and obstructive sleep apnea in children
Names of Supervisor(s): Basic-Science: Dr. Q. Hamid, Clinical: Dr. John Manoukian
Sponsoring Research Lab: Meakins-Christie Laboratories
Names of Collaborator(s): Drs. Melvin Schloss, T. Tewfik, Sam Daniel, & L. Nguyen

Resident:       Dr. Valerie Brousseau
Project Title: Basics of Surgical Skills: A course that makes a difference
Names of Supervisor(s): Basic-Science: Dr. Ken Shaw, Clinical: Dr. Nabil Fanous
Sponsoring Research Lab: McGill University surgical teaching unit

Resident:       Dr. Nadine Yammine
Project Title: Trans-tympanic administration of Lactate in cisplatin or carboplatin chemotherapy
Names of Supervisor(s): Basic-Science: Dr. Sam Daniel, Clinical: Dr. Sam Daniel
Sponsoring Research Lab: McGill Auditory Sciences Laboratory
Some projects (e.g. Dr Young) have gone very well, but others have been less successful. Difficulties stemmed from:

1. A reduced priority assigned to research due to shortened 6-month intensive research period
2. Scheduling difficulties where research was not assigned priority even during the intensive 6-month period
3. Impossibility of producing high-quality papers for Canadian OTL Meeting after only 3 months of research
4. Special situations

We are planning to deal with the above as follows:

1. Raising the priority given to research during the enrichment year, especially during the intensive 6-month period
2. Scheduling of enrichment-year meetings with Dr Segal on the OTL Departmental calendar

C. 2008-2009 Enrichment year

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: A Randomized double blind controlled trial on EMILY, a method for examination of the Tympanic membrane
Names of Supervisor(s): Basic-Science: Dr. Saleem Razack  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 (possible) Clinical: Dr. Richard Payne
Sponsoring Research Lab: LDI
Names of Collaborator(s): Dr. Michael Hier, Dr. Martin Black, Dr. Michael Taimila, Dr. Louise Rochon
2.2.4 M.Sc Program (Dr. Bernard Segal – Director  Dr. Sam Daniel – Associate Director)

The Master’s program was reviewed by McGill’s Graduate Faculty & Faculty of Medicine, and was rated exceptionally highly (see Appendix 1 for extract of report). Highlights of the report included:

- “The program occupies a very specific niche, providing Otolaryngologists the opportunity to acquire research skills, something no other program in Canada offers”
- Matching residents to supervisors via our “On-going research rounds” was considered an exciting innovated activity.

As a result of recommendations contained in the review,
- The MSc program has been opened to any MD graduate
- Selected potential PhD students will have an option to obtain an ad-hoc PhD in Otolaryngology
- Future clinical staff will be sought who can run independent research programs, ideally at the clinician scientist level

Students:

Dr. Mark Tewfik “A population-based association study of TLR signalling pathway gene polymorphisms in chronic rhinosinusitis” Supervisors: Dr. Martin Desrosiers, Dr. Thomas Hudson

Dr. Jonathan Young “Measurement of stress and strain on the superior surface of the vocal folds of excised procine larynges using digital imagery correlation” Supervisors: Dr. Mindy Black, Dr. Sam Daniel and Dr. Luc Mongeau
2.2.5 Fellowship Program (Dr. Jamie Rappaport – Director)

- The Fellow(s) will be directly responsible to the Director of the Fellowship Training Program and the Otolaryngologist-in-Chief of the hospital where the Fellow is based. The Fellow(s) will be classified as research or clinical, as determined by the Fellowship Committee and confirmed by the office of the Dean of the McGill Faculty of Medicine.
- The Fellow(s) will follow similar research guidelines as Enrichment year residents. This will include submission of a research proposal, implementation of the research project, presentations to the committee (initial, mid-year progress, fellowship grand rounds), and submission of a final report. The Fellow(s) must publish a minimum of one research-oriented paper during the fellowship year. Attendance at Research Topics lectures (Dr. Segal) is encouraged.
- Clinical and teaching duties and course work will be determined by the individual supervisor and the fellowship committee. This will include rounds with the resident staff, lectures to medical students and residents, as well as supervision of resident consultations and discussion with attending staff.
- Fellows will not compete with the residents for clinical or surgical case material, but will rather complement the training experience of the residents. This will include appropriate operative room supervision and teaching.
- Application Procedure: Research fellowships at McGill can be arranged with individual supervisors. Please contact them directly via this departmental website. Please note that in general we are not able to provide salary funding for research fellowships, and as such it will be the responsibility of the applicant to secure such financial support. Clinical fellowship training must be directed to the Faculty of Medicine at McGill University. Applicants must submit an online application to McGill's Online Application System by referring to the following website:
  
  http://www.medicine.mcgill.ca/postgrad/admission/applyingonline.htm

Applicants should be aware that we are generally unable to provide funding for fellows, and as such it would be their responsibility to arrange their own financial support.

Below are the current and future fellowships:

<table>
<thead>
<tr>
<th>Year</th>
<th>Name</th>
<th>Specialty</th>
<th>Supervisor(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2007-2008</td>
<td>Dr. Saleh Al-Ghamdi</td>
<td>Rhinology</td>
<td>Drs. Samaha/Desrosiers</td>
</tr>
<tr>
<td></td>
<td>Dr. Limor Muallem Kalmovich</td>
<td>H&amp;N</td>
<td>Drs. Hier/Black/Payne</td>
</tr>
<tr>
<td></td>
<td>Dr. Hasan Al-Shemari</td>
<td>Pediatrics</td>
<td>Drs. Manoukian/Schloss</td>
</tr>
<tr>
<td>2008-2009</td>
<td>Dr. Hadi Hakim</td>
<td>H&amp;N</td>
<td>Drs. Hier/Black/Kost/Payne</td>
</tr>
<tr>
<td></td>
<td>Dr. Fahad Al-Saab</td>
<td>Pediatrics</td>
<td>Drs. Manoukian/Schloss</td>
</tr>
<tr>
<td>2009-2010</td>
<td>Dr. Yahya Al-Badaai</td>
<td>Rhinology</td>
<td>Drs. Samaha/Desrosiers/Frenkiel</td>
</tr>
</tbody>
</table>

Dr. Rappaport mentioned that the fellowship program is now formalized on the McGill website. All future fellowship deadline applications must be made prior to September 15, 2008 as this date is the absolute deadline. All fellowships must be pre-approved by the Residency Program Committee.
2.2.6 Continuing Medical Education (Dr. Ted Tewfik – Director)

- The department held a successful CME Course – 12th Annual Update in Otolaryngology Course at Mont Tremblant, QC, March 13-15 2008. Registrants came from across Canada and the US.

- The department welcomed the following visiting professors:
  - Dr. Jay Goldberg, Professor, Department of Neurobiology, Pharmacology and Physiology, University of Chicago gave the 11th Annual McNally Memorial Lecture on “The type I vestibular hair cell and its calyx ending” on October 18, 2007.
  - Dr. Karen Calhoun from the University of Columbia, Missouri gave the 65th Herbert Birkett Memorial Lecture on “Mechanisms of allergy immunology” and held a resident teaching session on “Reconstruction of facial skin defects” on November 8, 2007.
  - Dr. M. Khanna from the Department of Dermatology at McGill University gave a talk on MOHS Microscopic Surgery on November 29, 2007.
  - Grand Rounds Guest Professor: Drs. T. Head and A. Lisbona, Department of Dentistry at McGill University, January 17, 2008 invited to talk on “Mandibular Fractures”
  - Dr. R. Casiano, from the University of Miami presented at our university grand rounds on January 31, 2008 on “Frontal Sinus Surgery”.
  - Ms. L. Liu, a chiropractitioner gave a talk on “Acupuncture” at a Journal Club on January 29, 2008
  - The Department held a teleconference in collaboration with the Université de Saint Joseph, Beirut, Lebanon, on January 24, 2008. Grand rounds were on the “Surgical approach to the frontal sinus: An Update” with Dr. Amine Haddad.
  - The 5th Melvin D. Schloss Lectureship was held at the Montreal Children’s Hospital with pediatric surgical grand rounds on February 4, 2008. Dr. Michael Rutter from the University of Cincinnati College of Medicine was our guest speaker. He gave an interesting talk on “Current advances in the management of laryngotraheal stenosis”
  - The 11th Annual Raymer Lecture held at the Jewish General Hospital on April 17, 2008 was presented by Dr. Erin Wright from the University of Edmonton. His topic was on “Contemporary Management of Inverted Papilloma”.
  - Pediatrics organized grand rounds inviting our staff to attend Dr. Sharma’s presentation on “Cochlear Implants” at the Montreal Children’s Hospital on May 7, 2008.
  - On May 15th, 2008 Dr. Michael McKenna from Harvard University was the invited guest at our 16th Annual Resident Research Day/James D. Baxter Lectureship. His topic was on “The etiology of otosclerosis”. He presented on “Superior canal dehiscence syndrome” at resident teaching rounds the following morning.

The 62nd Annual meeting of the Canadian Society of Otolaryngology – Head and Neck Surgery was held in Jasper, Alberta from June 1-4, 2008. The department was well represented there. We had a total 20 paper presentations, including 2 in the Medtronic-Poliquin resident competition, 6 symposia/workshops, and 4 posters.
2.2.7 Rotation to the Quebec North – Kuujuaq, 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 a 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 aboriginal society.

Dr. Kost is the Director of Otolaryngology at the Centre Hospitalier Inuutsilivik in Pivurnituq coordinates otolaryngology health services provided to the Nunavik Region. The region is divided into two geographic areas: the Ungava Bay region and Hudson’s Bay Region. Drs. Zeitouni and Rappaport service the Ungava Bay region, and Drs. Kost, Daniel and Sweet provide services to the Hudson’s 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. 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. 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 and ice fishing. 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)**

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 yesterday we have evaluated 23,205 patients during 60,196 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. Almost 30% of these patients are referred from or to Neurology.

During the past year part of this work was presented at the American Academy of Otolaryngology in Washington, where I was interviewed by the lay press after the presentation; the Pan-European congress in Vienna, Austria, where I was also a guest speaker; the OTL Association of Quebec in Gatineau, Quebec; the Pan-Hellenic Society in Thessaloniki, Greece; an international meeting in Athens, Greece.

I was also invited to write an article, which was published two months ago for the Parkhurst Exchange, a medical journal, read by 20,000 physicians, I was told. I was also invited to write a review article on dizziness in aging for the American journal of Geriatrics.

The OTL Vestibular Research Laboratory. The research continues by testing volunteers, patients with known specific disease entities who do not need such testing for diagnosis and patients who need further testing for diagnosis. The data processing is carried out by graduate students and Ms. Heather Smith, M.Eng. 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.

After a number of graduate students and a lot of work, we finally proved that the fast phases of nystagmus are also induced by the vestibular signal. This will change the processes we assess vestibular dysfunction. This work will be presented at the meeting of the European Academy of Otolaryngology in Manheim, Germany next May.

A rotating platform has been built in the Laboratory by a group of mechanical engineering students in an attempt to study how the somatosensory information changes in patients who lost vestibular function. At present, one mechanical engineer graduate student continues the project. The task is to control the platform and the information from the sensors attached to the feet by the computer. Dr. Ross Wagner, a biomedical engineer from the Department of Biomedical Engineering, provides valuable assistance in the laboratory. This assistance is greatly appreciated.

**McGill Auditory Science Laboratory: (Dr. Sam Daniel)**
The McGill Auditory Science Laboratory has been quite productive, thanks to the hard work by staff and trainees. We celebrated our 5th anniversary this year with great news: Our research program on “Expériences en sciences auditives: Prévention de l’ototoxicité; diagnostique et traitement de la surdité conductive” ranked first in the FRSQ fundamental research program. Our CIHR grant on ototoxicity ranked second in the committee.

We are currently the only otolaryngology laboratory in the country that currently holds 2 active CIHR grants, and the only otolaryngology laboratory funded by FRSQ in Quebec. This year we have a new recruit M Dan Citra, a veterinary with extensive animal research background. Our research fellow Dr Sofia Sahmkow has completed her 2-year fellowship in June and matched in otolaryngology at Universite de Laval (a first for an IMG). Her work on the effect of Triethanolamine Polypeptide Oleate Condensate on hearing in a chinchilla ear model was recently published in Laryngoscope. She will be much missed.

Our laboratory continues to collaborate actively with our partner Dr Robert Funnell who has a worldwide-recognized expertise in middle ear mechanics and modeling. We also actively collaborate with DR Luc Mongeau in Mechanical Engineering with whom we have recently submitted a joint NIH grant.

Awards won by the laboratory this year:

Charles F Ferguson Clinical Research Award for paper presented at the American Society of Pediatric Otolaryngology
First Basic Sciences Prize Melvin D Schloss Pediatric Otolaryngology Research Day (Sofia Sahmkow)
First Basic Sciences Prize Melvin D Schloss Pediatric Otolaryngology Research Day, May 2008 (Jonathan Young)
Principal’s Graduate Fellowship, July 2008 (Jonathan Young)
FRSQ Annual Award of Excellence for ototoxicity of Ciprofloxacin/dexamethasone in an animal model (Jonathan Young)

Auditory Mechanics Laboratory (Dr. Robert Funnell)

A major focus of our effort was on vibration measurements in Sam Daniel's lab at the Montréal Children's Hospital. The experimental set-up was upgraded and important progress was made in obtaining new measurements of eardrum vibrations in the gerbil. A master's student, Shruti Nambiar, has been working on this, and a new Ph.D. student, Nima Maftoon, started recently. Shruti also worked with people from the MNI on methods for aligning serial histological sections, with the goal of creating accurate 3-D models of some important small features in the middle ear.

In the doctoral research of Li Qi on modelling the mechanics of the newborn ear, a second major modelling paper was accepted for publication (it came out this week) and an important paper on the analysis of newborn tympanograms was written; it has just been revised and resubmitted. Li passed his oral defence in May. This work has already led to useful insights relevant to the early diagnosis of hearing
loss in newborns. We also continued external collaborations, most notably with Willem Decraemer in Belgium and Michel Audette in Germany. Decraemer visited here for ten days in 2007 June; then and over the rest of the year we co-authored a book chapter and worked on the first non-linear models of the gerbil eardrum. With Michel Audette we contributed to work on registering our high-resolution human ear model to patient-specific clinical CT scans, with potential applications to surgical planning and image-guided surgery.

Wireless Informatics in Health Care: (Dr. Bernard Segal)

My current research aims to facilitate safe wireless informatics usage in healthcare by unblocking obstacles to wireless usage in healthcare. As 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, University of New Brunswick) research project, I have received significant funding for this research, which will evaluate the use wireless informatics to reduce medication errors in emergency rooms.

2.3.2 Research Projects and Grants

<table>
<thead>
<tr>
<th>Agency:</th>
<th>Canadian Institutes of Health Research, Grant # MOP 69062</th>
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</thead>
<tbody>
<tr>
<td>Project title:</td>
<td><em>The life course approach to the aetiology of squamous cell carcinoma in the upper aerodigestive tract</em></td>
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<tr>
<td>Principal Investigator:</td>
<td>P.J.Allison</td>
</tr>
<tr>
<td>Co-investigators:</td>
<td>EL Franco, R Fuhrer, G Humphris</td>
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<tr>
<td>Collaborators:</td>
<td><strong>M.Black, M.Hier</strong></td>
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<th>Agency:</th>
<th>Canadian Institutes of Health Research, Grant # MCT 75475</th>
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<tr>
<td>Project title:</td>
<td><em>A randomized controlled trial of the effectiveness of a coping strategies intervention for people with head and neck cancer.</em></td>
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<tr>
<td>Principal Investigator:</td>
<td>P.J.Allison</td>
</tr>
<tr>
<td>Co-investigators:</td>
<td>LJ Edgar, JS Feine, EL Franco</td>
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<tr>
<td>Collaborators:</td>
<td><strong>M.Black, M.Hier</strong></td>
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<tr>
<th>Agency:</th>
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<tbody>
<tr>
<td>Project title:</td>
<td><em>Quantitative modelling of the middle ear</em></td>
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<tr>
<td>Principal Investigator:</td>
<td>R. Funnell</td>
</tr>
<tr>
<td>Collaborator:</td>
<td>S. Daniel</td>
</tr>
<tr>
<td>Dates:</td>
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</table>
Amount: $91,686 (3 yrs)

Agency: NSERC
Project title: *Three-dimensional modelling of complex natural structures*
Principal Investigator: **R. Funnell**
Collaborator: **S. Daniel**
Dates: 2003-2008
Amount: $20,000

Agency: McGill University Otolaryngology Fund & Meakins Christie Laboratories
Project title: *Linking laryngopharyngeal reflux to otitis media with effusion. A pepsinogen study of adenoid tissue and middle ear fluid.*
Principal investigator: **Dr. John Manoukian**, Dr. Q. Hamid
Collaborator: Dr. Fahad Al-Saab
Dates: 2006-2007
Amount: $10,000

Agency: American Laryngological Voice & Research Education Foundation Grant
American Academy of Otolaryngology – Head and Neck Surgery
Project title: *“Validation of a Pediatric Reflux Finding Score and Questionnaire”*
Principal investigator: **Dr. Lily Nguyen**
Amount: $10,000

Agency: Montreal Children’s Hospital Resident Research Day Competition
Montreal Children’s Hospital, McGill University
Project title: *“Validation of a Pediatric Reflux Finding Score and Questionnaire”*
Principal investigator: **Dr. Lily Nguyen**
Amount: $7,500

Agency: FRSQ - Fonds de recherche en santé du Québec (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.
Principal Investigator: **Dr. Sam Daniel**
Amount: $100,970

Agency: CIHR Operating Grant.
This application ranked 2nd in the Clinical Investigation A Committee
Project: Prevention of Cisplatinum ototoxicity.
Principal Investigator: **Dr. Sam Daniel**
Amount: $350,000

Agency: Grant No XG 07-060R. Sickkids Foundation Grant (peer-reviewed),
Project: Prevention of cisplatinum ototoxicity
Principal investigator: Dr. Sam Daniel
Amount: $129,880

Agency: CIHR Institute of Human Development, Child and Youth Health Operating grant – New investigator grants program.
Project: Prevention of cisplatinum ototoxicity
Principal investigator: Dr. Sam Daniel
Amount: $30,000

Agency: CIHR operating grant, Institute of Circulatory and Respiratory Health.
Project: Fluid-structure interactions within the human larynx
Co-principal investigators: Dr. Sam Daniel, Dr. Luc Guy Mongeau
Amount: $276,000

Project: 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)”
Principal Investigator: Dr. Sam Daniel
Amount: $54,000

Agency: CIHR (Canada) Operating Grant
Amount: $78,822/yr
Principal investigator: Dr. H. Galiana
Collaborator: Dr. A. Katsarkas
Title of research: The role of central topology in sensory motor control strategies
Dates: 2005-2009
Agency: CIHR (Canada) Operating Grant
Amount: $98,150/yr
Principal investigator: Dr. H. Galiana
Collaborator: Dr. A. Katsarkas
Title of research: Novel Protocols and algorithms to measure the VOR
Dates: 2005-2010

Agency: NSERC Discovery Grant (RGPIN 6662)
Amount: $58,590/yr.
Principal investigator: Dr. H. Galiana
Collaborator: Dr. A. Katsarkas
Title of research: Signal processing, identification and control in switched non-linear systems
Dates: 2007-2012
Title of research: “Wireless Healthcare: Implementation & Applications: Minimization of medication errors in a Quebec emergency room using wireless information”
Amount: $150,000
Principal investigator: Segal B
Collaborators: Trueman C, Poissant L, Tamblyn R, Huang A, Beique M, Sorge R, Graves A
Dates: 2006-2008

Title of research: “Wireless Healthcare: Implementation & Applications”
Amount: $130,000
Principal investigator: Segal B
Dates: 2006-2008

Title of research: “Wireless Healthcare: Implementation & Applications”
Amount: $130,000
Principal investigator: Segal B
Dates: 2006-2008

Title of research: “Wireless Healthcare: Implementation & Applications" & “Location-assisted wireless communication”
Amount: $65,500
Principal investigators: Segal B, Labeau F
Date: 2009
Total 2006-2009 $475,500

Other Research Projects: (clinical)

Dr. Mindy Black
Project title: Laryngopharyngeal reflux, obstructive sleep apnea and proton pump inhibitors
Amount: $20,000

Dr. Martin Desrosiers
Genetics of Chronic Rhinosinusitis: Population-based association studies
Collaborators: Yohan Bossé, Ph.D., Génome Québec au Centre du Centre hospitalier de l’Université Laval and Centre Hospitalier Laval, Québec, QC
Louis-Philippe Boulet, MD, Centre Hospitalier Laval, Québec, QC
Thomas Hudson, MD, Ph.D., Génome Québec au Centre du Génome de Montréal

Role of biofilms in chronic rhinosinusitis:
Collaborator: Jean Barbeau, Ph.D. Faculté de médecine dentaire
Collaborations:
Chemistry department, Université de Montréal
Biofilm Center, Montana State University, Bozeman, Montana
Allegheny Genomic Research Institute, Pittsburgh, PA

Dr. Saul Frenkiel

Virtual sinoscopy in collaboration with the Department of Radiology (Dr. R. Glikstein)
An ongoing project to develop the virtual technique as an aid towards the diagnosis and surgical treatment of nasal and sinus lesions.

Dr. John Manoukian

Linking laryngopharyngeal reflux to otitis media with effusion. A pepsinogen study of adenoid tissue and middle ear fluid. (F. Al-Saab, J.J. Manoukian, Q. Hamid) $10,000 from McGill University Otolaryngology fund and Meakins-Christie Laboratories

Dr. Lily Nguyen

Validation of a Pediatric Reflux Finding Score and Questionnaire, Montreal Children’s Hospital, McGill University
Development of web-based clinical teaching tools, McGill Molson Medical Informatics, Faculty of Medicine, McGill University

Dr. John Manoukian

Research project entitled “Validation of a Pediatric Reflux Finding Score and Questionnaire”
Investigators: V. Cote, JJ Manoukian, V Morinville, LHP Nguyen, American laryngological Voice and Research Education Foundation

(ALVRE) Grant (10 000$) from American Academy of Otolaryngology Head and Neck Surgery, Montreal Children’s Hospital Resident Research Day Competition (7500$) Montreal Children’s Hospital, McGill University

Dr. Richard Payne

Can Post-parathyroidectomy Hypocalcemia Be Attributed to Abnormal Synthesis of Parathyroid Hormone? Richardson K, Payne RJ, Hier MP, Black MJ, Tamilia M.

Defining Success Following Parathyroidectomy for Primary Hyperparathyroidism, Rothstein D, Payne RJ, Hier MP, Black MJ, Tamilia M


Laryngopharyngeal Reflux, Obstructive Sleep Apnea and Proton Pump Inhibitors, Cote V, Payne RJ, Kost KM, Black M, Kimoff RJ

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
2.4 Promotions and Recruitment

Anticipated Recruitment:  
Dr. Alex Mlynarek, Head and Neck Surgery (July 1, 2009)  
Dr. Marc Tewfik, Rhinology & Skull Base Surgery (July 1, 2010)
2.5 Academic Staff Activities

Dr. Martin J. Black

Presentations


Dr. Mindy Black

Presentations


Black, M: Kikuchi-fujimoto Disease, P. Pace, R. Michel, MA Black, K. Kost, CSOHNS Montreal, Quebec 2007

Black, M: Laryngeal amyloidosis – The McGill Experience, J. Young, K. Kost, MA Black, F. Chagnon, CSOHNS Montreal, Quebec 2007

Black, M: Dysphagia Lusoria, V. Brousseau, MA Black, CSOHNS Montreal, Quebec 2007

Black, M: Benign Laryngeal Pathology panel member, McGill Update in Otolaryngology, Mt. Tremblant, Quebec, March 2007

Dr. Sam Daniel

Positions

President, Quebec Association of Otolaryngology annual meeting, October 2009

Chairman, Continuing Medical Education / Continuing Professional Development Committee, Canadian Society of Otolaryngology-Head & Neck Surgery (2007 – present)

Member of the board of directors, Quebec Association of Otolaryngology (2007-2010)

Chairman, Continuing Professional Development, Quebec Association of Otolaryngology (2007-2010)

Member Hearing Committee, Quebec Association of Otolaryngology (2007-2010)

Member Practice Audit Committee, Quebec Association of Otolaryngology 2008

Director McGill Temporal Bone Drilling Laboratory & Course

Residency program committee, fellowship committee, department of otolaryngology, McGill University

Fellowship director McGill Auditory Sciences Laboratory

Director Masters Program, Department of Otolaryngology, McGill University
Presentations


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

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.


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


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

Methylenetetrahydrofolate reductase deficiency does not predispose to sensineural hearing loss in a mouse model. 23rd annual meeting of the American Society of Pediatric Otolaryngology, Orlando, Florida, May 2-4 2008.


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.


Interesting and challenging cases in pediatric otolaryngology, satellite symposium, CSOHNS, Jasper, June 2008.

Dr. Martin Desrosiers

Presentations


Desrosiers, M.: Congestion and Inflammation Summit, Biofilms en ORL, Inflammation as a therapeutic target in acute rhinosinusitis Shanghai, Chine, Mai 2007


Desrosiers, M.: Brazilian national ENT association annual meeting, Genetique de la sinusite chronique, Biofilms en ORL, Contreverses en sinusite chronique, Chirurgie endoscopique de la base du crane et de l’orbite Brasilia, Brazil June 2007

Desrosiers, M.: Bacterial biofilms in CRS: Therapeutic implications, Department of ENT, Northwestern University, Chicago, Illinois, October 2007

Desrosiers, M.: Population association studies of genetics as a tool for study of CRS, Department of Allergy, Northwestern University, Chicago, Illinois, October 2007


Desrosiers, M.: Methods for Removing Bacterial Biofilms: In Vitro Study Using Clinical Chronic Rhinosinusitis Specimens, American Rhinologic Society, Combined Otolaryngology Spring Meetings, San Diego, April 2007 (Winner 1st prize basic science research) (2e fois de suite)

-Panel and moderator; Management of hard to treat sinusitis CSO HNS annual meeting, Montréal, Québec, May 2007


Desrosiers, M.: Ultraviolet Light: A Potential New Therapy for Nasal Polyps Polymorphisms In TLR9, Gene Influence Response To Corticosteroids in Severe Chronic Rhinosinusitis, Polymorphisms in the IRAK-4 Gene are Associated with Total Serum IgE in Chronic Rhinosinusitis Patients, Toward Identification of Chronic Rhinosinusitis Susceptibility Genes by Use of Pooling-Based Genomewide Association Scan American Academy of Allergy, Asthma and Immunology, Annual meeting, Philadelphia, Pennsylvania, March 2008

**Dr. Nabil Fanous**

**Presentations**

Fanous, N: Predicting the Results of Rhinoplasty before Surgery: Easy Noses vs. Difficult Noses, Brousseau V., Fanous N., Submitted for Oral Presentations, Canadian Society of Otolaryngology annual meeting, Montreal, Quebec May 2007

Fanous, N: Closure of large facial soft tissue defects, Fanous N, Yammine N., Presented at the 11th Annual “McGill University Update” in Otolaryngology & Head and Neck surgery, Mt. Tremblant, Quebec, Canada March 2007

Fanous, N: Career choices in Medicine, N. Fanous, presented at the McGill Science undergraduate society, annual meeting “Academia Week”, to talk about career choices in Medicine, Redpath Auditorium, McGill University, January 2008

Fanous, N: Personal philosophy on managing time, work and life, invited guest lecturer of the Baxter’s Lecture, May 2007

**Dr. Saul Frenkiel**

**Positions**

Faculty Leadership Council, Faculty of Medicine, McGill University, 2007 –
Past-president, Canadian Society of Otolaryngology Head & Neck Surgery, 2007-2008

Chairman, Ethics Committee, Canadian Society of Otolaryngology Head & Neck Surgery, 2007-2008

Chairman, Nominating Committee, Canadian Society of Otolaryngology Head & Neck Surgery, 2007-2008

Chairman, Public Relations Committee, Canadian Society of Otolaryngology Head & Neck Surgery, 2007-2008

Chairman, Long Range Planning Committee, Canadian Society of Otolaryngology Head & Neck Surgery, 2007-2008

Search Committee for Chair, McGill Clinical Investigators Program, 2007 –


Chairman, Plenary Session, Canadian Society of Otolaryngology Head and Neck Surgery Annual Meeting, Montreal, QC, May 2007

Presentations

Guest Speaker, Hilel Yaffè Hospital, Department of Otolaryngology, Israel, October 2007

Visiting Professor, Technion University, Department of Otolaryngology, Haifa, Israel, October 2007

Visiting Professor, McMaster University, November 2007

External reviewer, Department of Otolaryngology, University of Toronto, September 2007

“Schneiderian papilloma and associated carcinoma, Hilel Yaffè Hospital, Technion University, Israel, October 2007.


“Avoiding complications in endoscopic sinus surgery”, McMaster University, Hamilton, ON, November 2007.


Medical Consultant, Quebec Regional Advisory Board, Rhinitis Management, Glaxo, Smith, Kline, February 2008


Medical Consultant, Medical Advisory Board, Abbott Laboratories, April 2008


Symposium Chair, Septoplasty and turbinates: Treatment philosophy, 62nd Annual Meeting, Canadian Society Otolaryngology – H&N Surgery, Jasper, Alberta, June 2008

Robert Funnell (Ph.D.)

In spite of an almost complete lack of research funding, my lab continued to make significant progress this year. I continued my collaborations, most notably with Willem Decraemer from Belgium and Sam Daniel in Otolaryngology. Decraemer visited here for ten days in June; then and over the rest of the year we co-authored a book chapter and worked on the first non-linear models of the gerbil eardrum. In Sam Daniel’s lab at the Montréal Children’s Hospital, the experimental set-up was upgraded and important progress was made in obtaining new measurements of eardrum vibrations in the gerbil. In the doctoral research of Li Qi on the mechanics of the newborn ear, a second major modelling paper was accepted for publication and an important paper on the analysis of newborn tympanograms was written. (It is being revised and is expected to be accepted soon.) This work has already led to useful insights relevant to the early diagnosis of hearing loss in newborns.

In teaching, since my long-time intensive course to final-year medical students is no longer given because of changes in the medical curriculum, I have begun work on various applications of computers to teaching, specifically in the areas of interactive 3-D models and interactive simulations. I pursued contacts with the University of Leipzig and the Fraunhofer Institute (both in Germany), and met with teachers in the Faculty of Medicine to identify applications for 3-D models in medical and dental teaching at McGill.
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.

**TEACHING & LEARNING**

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**STUDENTS**

*Graduate Students Supervised in 2007-08*

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<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- 2007 01-</td>
<td>BME BME BME</td>
<td>CIHR CIHR NSERC CGSM</td>
<td>$17 850  $18 500</td>
</tr>
<tr>
<td>Li Qi</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shruti Nambiar</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Student-related activities*

- Graduate student supervisory committees: 1
- Student seminar presentations: 1
- Preliminary/comprehensive exams: -
- Thesis defenses: 1
- Other (specify): M.Eng. thesis external examiner 1

- Upgraded my Web server to permit students to run interactive finite-element mesh generator, for use in Selected Topics assignment and for demonstration to Mike Rosengarten; provided some information to Rosengarten concerning Web-based interactive simulations using Matlab.
- With upgraded server, restored quizzes used in Unit 4 of Basis of Medicine.
- Provided feedback to NYU Educational Informatics group on interactive 3-D models for teaching anatomy.
- Pursued contacts with Michel Audette (University of Leipzig, 3-D surgical simulators) and Rossen Rashev (Fraunhofer Institute, interactive simulation framework) which may lead to valuable collaborations.
- Met with Elaine Davis and Karen Samonds to identify applications for 3-D models in medical and dental teaching at McGill; based on our previous work, I started developing a pelvis model for use by Davis in her lectures and a head model for use by Samonds. I also developed a first version of a new programme for the interactive display of such 3-D models in teaching and learning.

**Grants:**
<table>
<thead>
<tr>
<th>PRINCIPAL INVESTIGATOR</th>
<th>GRANTING AGENCY/COMPANY</th>
<th>TYPE OF GRANT (e.g. operating, equipment etc.)</th>
<th>PROJECT TITLE (if applicable)</th>
<th>TERM OF AWARD</th>
<th>AMOUNT /YEAR</th>
<th>RESEARCH TEAM (if applicable)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Funnell</td>
<td>NSERC</td>
<td>individual</td>
<td>Three-dimensional modelling of complex natural structures</td>
<td>2003 – 2009 (5 yrs + 1-yr deferral)</td>
<td>$20 000</td>
<td></td>
</tr>
</tbody>
</table>

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)
  - Louis Collins and Mallar Chakravarty, McGill (BME & MNI)

- Li Qi’s Ph.D. thesis was submitted and positive external review was received. The second major paper based on his doctoral research on the mechanics of the newborn ear was accepted for publication by *J. Acoust. Soc. Am*. A third paper is under revision and is expected to be accepted soon.

- I co-authored an invited book chapter with Willem Decraemer on the anatomical and mechanical properties of the eardrum. He visited here in June and we made good progress on non-linear modelling of the eardrum.

- Nicolas Ellaham’s M.Eng. thesis was submitted and accepted. In follow-on work by Shruti Nambiar, important progress was made in obtaining new measurements of eardrum vibrations in the gerbil, in Sam Daniel’s lab at the Montréal Children’s Hospital. I designed and built a new experimental set-up.

- Shruti also carried out an interesting project in collaboration with Louis Collins and Mallar Chakravarty, applying their non-linear brain warping techniques to the middle ear.

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

Invited Talks and Conference Presentations


Providing academic expertise to the Montreal/Quebec/Canadian and international communities:
- grant applications for NSERC
- provided 3-D models and information to H. Ladak at Univ. Western Ontario; Everett Community College (WA); Univ. Magdeburg (Germany); Universidad del Valle (Colombia); Univ. Dundee (UK); Univ. Waterloo; Univ. Leipzig (Germany); Dept. Anthropology (McGill)
  - CEGEPS and schools
- acted as a judge for high-school science fair
- coordinated BME visit of 5 high-school students for career-exploration day
  - general public and media
  - industry, professional and business communities
- charitable and non-profit based organizations
- various contributions to open-source software projects (e.g., ScriptSWF, Coin3D, OpenOffice.org, Blender)
- edited hearing-related Wikipedia article

**Dr. Michael Hier**

**Presentations**


Chair, Non-Melanoma Skin Cancer Conference/Workshop, at the Canadian Society of Otolaryngology – Head and Neck Surgery, 62nd Annual Meeting June 1-4, Jasper AB.

**Dr. Athanasios Katsarkas**

**Presentations**

Katsarkas, A.: Dizziness in aging, Canadian Society of Otolaryngology-Head & Neck Surgery, Montreal, Quebec, Canada, May 2007


Katsarkas, A: Current opinions on vertigo of cervical origin (Symposium), 6h European Congress of Oto-Rhino-Laryngology, Head & Neck Surgery, Vienna, Austria, June 2007


**Dr. Karen Kost**

**Position**

Chair, Canadian Otolaryngology – Head and Neck Surgery Fund.

**Presentations**

Kost K: “How to study, prepare for, and pass the Royal College Certification examinations”: Workshop given to the Senior Residents in Otolaryngology at the Montreal General Hospital, May 9th 2007.

Kost K: “Reflux in the nose and larynx, and now the ears? What do we really know?” Symposium presented at the Canadian Society of otolaryngology Head and Neck Surgery May 14th 2007 in Montreal, Quebec

Kost, K: Kikuchi-fujimoto Disease, P. Pace, R. Michel, MA Black, CSOHNS Montreal, Quebec May 2007


Kost K: “Geriatric Otolaryngology” Workshop presented at the Canadian Society of otolaryngology Head and Neck Surgery May 14th 2007 in Montreal, Quebec

Kost K: “Percutaneous Tracheostomy”, presented June 4th 2007 at the 9th CHUM’s Interventional Bronchoesophagology Course Montreal, Quebec


Kost K: “A Snapshot of Laryngology, including cancer of the Larynx”, presented to Family Physicians Tuesday Oct 16th 2007 in Montreal, Quebec.

Kost K: “Reflux and Laryngeal Cancer: Is there really a connection?”: Presented at McGill Tumour Board Rounds Thursday Oct 18th 2007 at the Royal Victoria Hospital, Montreal, Quebec.
Kost K: “How to study, prepare for, and pass the Royal College Certification examinations”: Workshop given to the Senior Residents in Otolaryngology at the Montreal General Hospital, November 2007.


Kost K: Radio-Canada, televised interview on the mechanics of the singing voice, December 2007


Kost K: Program Chair, The American Society of Geriatric Otolaryngology, April 30th, 2008, Orlando Florida

**Dr. John Manoukian**

**Positions**

Verdun General Hospital, Attending Associate Staff, 2008 – present

Supervised Dr. Vi Vu on Pediatric orbital abscesses and Dr. Yaser Al-Rajhi on Laryngeal anomalies and complications in bronchopulmonary dysplasia patients.

Member of the Canadian ENT Program Directors Committee of the Canadian Society of Otolaryngology – Head & Neck Surgery, 2007 – present

Member Royal College Specialty Committee for Otolaryngology of the Canadian Society of Otolaryngology – Head & Neck Surgery, 2007 – present

Member – Reviewer for the Journal Otolaryngology – Head and Neck Surgery 2008 – present

Quebec Representative, Canadian Society of Otolaryngology – Head & Neck Surgery

**Presentations**

Canadian Society of Otolaryngology, Head and Neck Surgery, (CSO-HNS). 61st Annual meeting, Montreal, Quebec, May 2007
Attended Workshop on endoscopic surgery of the cranial base and pituitary fossa. McGill Simulation center, Montreal, Quebec, May 2007

Schering-Plough Canada Inc. Regional Consultant Meeting on Nasonex, Montreal, Quebec, June 2007

Second International Medical Congress of Armenia. Yerevan, Armenia, June 2007


McGill Faculty Development Workshop. Role Modelling: Making the implicit Explicit. Montreal, Quebec, October 2007


McGill Faculty Development Workshop. Searching the literature for evidence based teaching and learning, Montreal, Quebec, November 2007

McGill University, Faculty of Medicine, Centre for continuing Medical Education, Program Directors’ Workshop. Montreal, Quebec, November 2007


Dr. Lily Nguyen

Teaching

November 2007, Clinical Lecturer for Otolaryngology Resident Teaching Rounds, Department of Otolaryngology, McGill University  *Topic: Congenital Laryngeal Malformations*

November 2007, Clinical Lecturer for Otolaryngology Resident Teaching Rounds, Department of Otolaryngology, McGill University  *Topic: Update on Acute Otitis Media*

October 2007, Small Group Facilitator for the 2007 Interprofessional Workshop Joint Interprofessional Curriculum Committee from the McGill Educational Initiative on Interprofessional Collaboration (Funded by Health Canada), Faculty of Medicine, McGill University, *Topic: Cultural Competence*

August 2007, Clinical Lecturer for 4th year medical students, Faculty of Medicine, McGill University, *Topic: Head and Neck Cancers*

Presentations:

Resident Satisfaction in Canadian Otolaryngology Programs, Vu V, Nguyen LHP, Presented at the


**Dr. Richard Payne**

**Presentations**


**Teaching**

*Head and Neck Masses*, McGill University Medical Student Teaching – Royal Victoria Hospital (2007)

*Thyroid Cancer*, McGill University ENT Resident Teaching – Jewish General Hospital (2007)

*Sleep Apnea*, McGill University ENT Resident Teaching – Jewish General Hospital (2007)

Thyroid Masses and Disease

McGill University Medical Student Teaching – Jewish General Hospital (2007)

Sleep Apnea – An ENT Perspective Jewish General Hospital Department of Internal Medicine (2007)

Sleep Apnea – Diagnosis and Treatment, Department of Otolaryngology – Head and Neck Surgery – Resident Teaching (2007)

How to Start an ENT Practice At the Completion of Training, Department of Otolaryngology – Head and Neck Surgery – Resident Teaching (2007)

Guest Speaker New Concepts in the Diagnosis & Treatment of Snoring & Sleep Apnea General Practitioners (ECME Course) – Montreal, Canada (2007)

Thyroid Cancer – Cansupport Public Lecture Organized by the Cedars Cancer Centre at the McGill University Health Centre

Spoke to 100 people, public and media, regarding thyroid cancer

Hyperparathyroidism – Surgical Management, McGill University Department of Endocrinology - Residents (2007)

ENT Developments – What a Family Physician Needs to Know Organizer of this hands on evening involving 7 ENT’s and 20 family physicians (2007)

Obstructive Sleep Apnea – What You Need To Know, McGill University Department of Otolaryngology – Grand Rounds (2007)

Thyroid Cancer – New Concepts and Developments, McGill University Health Centre - General Surgery Grand Rounds (2007)

Thyroid Cancer – New Concepts and Developments, McGill University Health Centre – Internal Medicine Grand Rounds (2007)

New Concepts in the Diagnosis of Obstructive Sleep Apnea General Practitioners – Physimed – Montreal, Canada (2007)

Media, CBC News Radio 940am (July 2007) Medical expert discussing sleep apnea and responding to questions for 1 hour

CTV News / Canada a.m. Medical Correspondent (February 2007) Radiofrequency-Assisted Uvulopalatoplasty in the Treatment of Snoring and Sleep Apnea Televised interview broadcasted nationally,
CTV News / Canada a.m. Medical Correspondent (November 2007) The Diagnosis and Treatment of Sleep Apnea Televised interview broadcasted nationally

**Dr. Jamie Rappaport**

**Positions**

Examiner, Royal College of Physicians and Surgeons of Canada, 2007 -

**Teaching**


**Presentations**

Invited lecturer, « Hearing loss in the elderly », Thursday evening lecture series, McGill, October 18, 2007


Round Table Discussion – Co-speaker with Dr. M. Hier, Schering-Plough Seminar for Family Physicians, DDO, Qc, November 27, 2007


Medical Simulation Faculty Workshop, McGill Simulation Center, Montreal, Qc January 28-29, 2008.

Lecturer, Hertzl Family Medicine Core teaching program « Common ear problems », February 5, 2008


Course Coordinator, 12th Annual McGill Otolaryngology Update Course, Mont Tremblant, QC. March 16-18, 2008.

Lecturer, St. Mary’s Family Medicine Centre Grand Rounds « Environmental hearing loss », March 19th, 2008

Lecturer, University Grand Rounds, Department of Otolaryngology, Jewish General Hospital « Otology in Nunavik », March 27, 2008

Invited speaker, « Compensation vestibulaire : Succès et échec » 4e cours Neuro-otologie (Université de Montréal, Ste-Justine’s Hospital, Montreal, QC, April 5, 2008.
Course creator and co-organizer: Inaugural otolaryngology OSCE (Standardized Patients) McGill Simulation Centre, April 15, 2008.

Round Table Discussion – Co-speak wit Drs. Hier and Payne, Schering-Plough Seminar for Family Physicians, Montreal, QC, April 29, 2008.


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.

Appointed team leader, Operating Room Accreditation Committee, SMBD Jewish General Hospital, 2008-2009.

Dr. Mark Samaha

Position

Electronic media editor, Canadian Society of Otolaryngology – Head & Neck Surgery

Reviewer for Journal of Otolaryngology (Canada)

Reviewer for Journal of Laryngology and Otology (UK)

Coordinator of lecture grand rounds series: McGill ENT program

Member: RPC McGill Dept. of ENT

Presentations


April 17, 2007 – Lecture to McGill Medical Students: Acute sinusitis

January 7, 2008 – Presentation Grand Rounds CHUM: Frontal sinusitis
January 22, 2008 – Lecture McGill ENT residents: Study habits and techniques
January 23, 2008 – Lecture CME St-Mary’s Hosp: ESS: State of the art
January 24, 2008 – Teleconference Grands Round, McGill ENT Dept.: Frontal sinusitis

Fellowship supervision: Saleh Al-Ghamdi

Supervision research year resident: Yahia Al-Badai

Invited speaker: January 25-27, 2008 Panelist: Triologic society eastern section meeting Philadelphia,
February 16-20, 2008 International conference on Rhinology, Otology, and skull base surgery, Kuwait: 6 presentations, live surgery

Electronic media editor: Canadian Society of Otolaryngology

Dr. Melvin D. Schloss

Positions

Dr. Schloss - Member of Executive Committee CME, Fac. Med McGill

Presentations


Pediatric severe obstructive sleep apnea post-op complications and morbidity. 61st annual meeting Canadian Society of OTL-H&N surgery May 15, 2007 Montreal, Que

Workshop on “Interesting and challenging cases in pediatric otolaryngology” at the Canadian Society of Otolaryngology Head and Neck Surgery annual meeting May 13-16, 2007-07


The Annual McGill Auditory Sciences Laboratory Otology seminar, temporal bone dissection and BAHA course Sat. May 12, 2007

OTL Grand Rounds (Case Presentations) Queen Mary Hospital, Hong Kong (Dr. Wei, Chairman) November 12, 2007.

Giguere C., Schloss MD Diagnostic et traitement des lymphangiomes. Journees Scientifiques d’ORL Feb 17, 2008 Quebec, QC

**Bernard Segal (Ph.D.)**

Refereed Journal Papers:

Trueman C, *Davis D, Segal B (submitted). “Simplified modeling of electric field strength: Hospital electromagnetic compatibility in possibly reflective rooms, and with multiple radio-wave sources” Submitted to IEEE Trans EMC.


Refereed Conference-Proceeding Multi-page Papers:


Abstracts / Notes: Refereed


Non-refereed


Conferences Organized

I was a co-organizer and co-chair of the 3rd Round-Table on Electromagnetic Compatibility & Wireless Technology in Healthcare, sponsored by The Canadian Wireless Telecommunications Association, Health Canada, Industry Canada and the Radio Advisory Board of Canada. Ottawa. This was attended by about 30 invited international experts. July 20-21, 2007

“3rd International Symposium on Medical Informatics and communication technologies”. I was invited to co-chair and to organize this unique international meeting of engineers and clinicians to promote better use of communication technologies in healthcare. (see www.ISMICT2009.org) February 24-26, 2009

International Activities

I am contributing to guidance and standards in electromagnetic compatibility. I am part of the committee that will produce 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. 18 (second edition 2009)

Dr. Robert Sweet

Teaching:

April 10, 2007 ORL Resident Lecture Series: "Vestibular Half Day"

May 12, 2007 invited faculty Temporal Bone Dissection course, October 18, 2007 Thursday Evening Learning Series of McGill Centre for CME: "Vertigo and Dizziness"

October 23, 2007 ORL Resident Lecture Series: "Understanding Nystagmus"

October 30, 2007 ORL Resident Lecture Series: "Facial Nerve" October 31, 2007 McGill Department of Family Medicine

Resident Lecture Series: "Approach to Vertigo and Dizziness" December 11, 2007 faculty McGill Temporal Bone Dissection Course

Responsible for Audiovestibular Rotation for R4 year residents

Dr. Ted Tewfik

Positions

Member, Executive Committee, Council of Physicians, Dentists, and Pharmacists of the Montreal Children’s Hospital, 2007- present
Presentations


Pediatric severe obstructive sleep apnea: Post-op complications and morbidity. The fourth annual Melvin D, Schloss pediatric Otolaryngology lectureship and research day. April 2007

Otitis media with effusion (OME) and Laryngopharyngeal Reflux (LPR): Pepsin/Pepsinogen Study of Adenoid Tissues and Middle Ear Fluid. Canadian Otolaryngology- HNS Meeting, Montreal, 13-16 May 2007

Pediatric severe obstructive sleep apnea: Post-op complications and morbidity. Canadian Otolaryngology-HNS Meeting, Montreal, 13-16 May 2007

Syndromic and Non-syndromic Hearing Loss. Workshop, Canadian Otolaryngology- HNS Meeting, Montreal, 13-16 May 2007

Pediatric Nasal Reconstruction. Canadian Otolaryngology- HNS Meeting, Montreal, 13-16 May 2007

Pediatric Ranula Recurrences. Canadian Otolaryngology- HNS Meeting, Montreal, 13-16 May 2007

Obstructive Sleep Apnea in Children. Role of Oximetry and Polysomnography. 12th ASEAN ORL Head and Neck Congress, Windsor Plaza Hotel, Ho Chi Minh City, Vietnam, August 24, 2007

Otolaryngologic Manifestations of Congenital Syndromes. Prince of Wales Hospital, CUHK, Hong Kong, August 29, 2007

Dr. Anthony Zeitouni

Positions

Delegate to the CMA, 2007

Historian, Canadian Society of Otolaryngology – Head & Neck Surgery

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.
Presentations

Vestibular Evoked Myogenic Responses in the evaluation of saccular function. Beyea J, Zeitouni, A. Canadian Society of Otolaryngology Head and Neck Surgery, annual meeting Montreal, 2007


Facial nerve management in acoustic neuroma patients, North American Skull Base Society annual meeting, Chicago, 2007

Endoscopic Pituitary Surgery, Egyptian National Meeting, Cairo, January 2008

Teaching

Undergraduate Student Teaching: Involved in teaching students and research with them
Residents: Three residents are on the clinical service. Oversaw research by a number of students, residents and a fellow

Fellows: Supervised Head and Neck Fellow: Dr Saleh Al-Gamdi

Course co-Director at the McGill Update in Otolaryngology, Mont-Tremblant, March 2007 and in March 2008 Endoscopic Surgery of the Cranial Base and Pituitary Fossa: A hands-on dissection course, Montreal, May 2007

Assistant Course Director, Otology Seminar, Temporal Bone Dissection and BAHA Courses, May 2007
2.6 Involvement in the Community

**Dr. Martin Black**
Thyroid cancer, presented as a public information session.

**Dr. Sam Daniel**
McGill Auditory Sciences Laboratory Golf fundraiser

**Dr. Saul Frenkiel**
Co-chair, McGill Head and Neck Cancer Fundraiser

**Dr. Robert Funnell**
- Graduate Program Committee (Coördinator for fellowships & awards, incl. Davis and Geddes prizes)
- Safety Committee (Chair)
- Webmaster (general maintenance and updating, incl. seminar list and announcements, list of staff, publications, student & research resources; revised course page; created news page; created page for policies and forms)
- Research Committee (Dept. Otolaryngology)
- Admissions Committee (5 half-days interviewing + meetings)
- Processed medical-student evaluations (ICM and POM), produced histograms for use in Dean’s letters (this year this required modification of my software to handle the effects of the specialists’ strike)
- Ported my Ida data-analysis software to Linux for continued use by the Mond project in Obstetrics & Gynecology
- 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 33 applications)
  - Computer Users' Committee

**Dr. Richard Payne**
Co-chair, McGill Head and Neck Cancer Fundraiser

**Dr. Melvin Schloss**
Dr. Schloss - Coordinator of Mini-Med Program at MCH
Appendix I: HONOURS, AWARDS AND PRIZES

Dr. Sam Daniel

“Best Teacher Award”, Department of Otolaryngology McGill University, May 2008

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”, $25,000, Montreal Children’s Hospital, April 2008

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

Scientific Advisor, Symposium on Head & Neck Masses, Association of Oto-rhino-laryngology and Maxillo-Facial surgery of Quebec, February 2008

Charles F Ferguson Clinical Research Award, American Society of Pediatric Otolaryngology, 2008

Award of Excellence for Innovation (First Prize) for establishing the first Saliva Management Clinic in Quebec. This award acknowledges the development of novel methodologies and therapeutic and rehabilitative approaches for motor deficiencies.(L’Association des établissements de réadaptation en déficience physique du Québec).

Fonds de Recherche en Santé du Québec (FRSQ) Salary Award – Chercheur boursier clinicien

Dr. N. Fanous

Fanous, N.: Best teacher award, voted by residents for facial plastic surgery teaching, McGill University 2007

Dr. S. Frenkiele

Honors Award – for outstanding service to the Canadian Society of Otolaryngology – Head & Neck Surgery, May 2007

30 Year Service Award, McGill University, January 2008

Dr. Lily Nguyen

McGill Faculty of Medicine Scholar - Education

Dr. Jamie Rappaport

Invited member, Royal College of Physicians and Surgeons of Examination Board, June 2008
Dr Tewfik

Plaque of Recognition, Canadian Society of Otolaryngology – Head and Neck Surgery, (Chair of the 2007 Local Arrangements Committee), Montreal, May 2007

Certificate of Recognition, 12th ASEAN ORL Head and Neck Congress, HoChi Minh City, Vietnam, August 2007
Appendix II: 
PUBLICATIONS (CALENDAR YEAR 2007)


40. Tewfik TL: Quels sont les conséquences possibles et le degré de risque pour un enfant voulant faire un voyage en avion avec une otite aiguë ou sous traitement (i.e. : liquide persistant derrière le tympan)? Le clinicien 22 (7) : 24, 2007

41. Tewfik TL : Quelle est la conduite à tenir devant un symptôme d’otalgie avec un examen


43. **Tewfik TL**: L’utilité des traitements par stéroïdes per os de la laryngite virale. *Le clinicien*. 22 (10) : 24, 2007


45. **Tewfik TL**: Is surgery necessary for ear infections?. *Canadian journal of CME* 19 (11), 34, 2007


**Electronic Media**


Appendix III: PROGRAM AND HOSPITAL REPORTS

McGill Head and Neck Oncology Program (Dr. Martin Black – Director)

CLINICAL SERVICES

Active, busy, multidisciplinary oncology clinics at the Jewish General and the MUHC evaluate and treat over 300 new cancer patients annually. We treat patients with malignant tumors of the oral cavity, pharynx, and larynx as well as a large number of thyroid cancer patients. We treat an increasing number of complicated H&N skin cancer patients and provide an important diagnostic service for Lymphoma patients presenting in the H&N. In addition, an increasing number of patients with benign neoplasms of the salivary glands and the parathyroid glands are seen and operated. Patients and their families are seen and thoroughly evaluated by the H&N team; surgeons, radiation oncologists, medical oncologists, nurses, speech therapist, dietician, and this team is supported by dental consultants, psycho-social professionals, and hospital staff that are dedicated exclusively to them. Multidisciplinary Tumor Boards meet weekly at both sites to make treatment recommendations to patients. We also provide a consultant service to doctors who may present their patients case for tumor board suggestions.

At the RVH site there is a Skull Base tumor board organized in a similar fashion with the MNI. The Tumor Boards are linked at both sites by telemedicine which allows for consultation and learning for the whole staff. This is done weekly and special monthly grand conferences for education are conducted via telemedicine links.

TEACHING

McGill Otolaryngology residents, medical students, general surgery, plastic surgery, oral surgery, and anesthesia residents as well as Radiation Oncology residents rotate through the H&N services. Active teaching is ongoing in the clinics, ORs, and at tumor boards. We have had a H&N fellow for the past several years and Dr. L. Kalmovitch from Israel is finishing this year.

Community teaching is provided for the public and for professionals. Seminars on thyroid cancer and Mini Med courses outside the hospitals have been given.

RESEARCH

Clinical treatment protocols in collaboration with other universities and hospitals [e.g. RTOG, radiation therapy oncology group, NCIC, national Canadian institutes of cancer] evaluate the best possible treatment options available. We offer these protocols of treatment to our patients as well as conventional ones. Clinical and basic research on thyroid cancer looking at new markers and treatments for this increasingly common disease is being done.

McGill based treatment protocols using biologic response modifiers and immunotherapies in conjunction with chemotherapy and radiation are exciting novel approaches to cancer treatment for our patients. A new protocol for the evaluation of Brachytherapy in the treatment of tongue cancer is opened for patient accrual. We have just finished a superb study on salivary gland transfer for the prevention of xerostomia [dry mouth] after radiation therapy.
HOSPITAL REPORTS

MUHC Adult Sites (Royal Victoria Hospital/Montreal General Hospital)

Highlights:

In order to provide the best possible care, the Department at the RVH has undergone a profound transformation that has led to national recognition. These efforts have permitted us to greatly improve the technological base, both in our clinics and in the OR. With the aid of our donors the equipment is now of a cutting-edge world-class caliber.

The most significant physical change is the construction of two symmetrical surgi-suites in the clinics for purpose of performing minor procedures. These suites were equipped with high-end Zeiss video-microscope connected to a secure electronic archiving system. We feel that this system will have a far-reaching impact on resident education in the field of otology. These suites also permit cervical ultrasonography and biopsies to be done in an ergonomic and comfortable setting for physicians and patients. Trans-nasal esophgoscopy is another cutting edge technique that can be performed as well. A new sterilization center has been built in the clinic to safely deal and support the procedures done in the clinic.

All patients that come to clinic are recorded on a hospital and / or Departmental database, which have significant implications for research. The Department has specific databases for dizziness, head and neck cancer and skull base surgery (on the hospital server). Each of the examining rooms and each surgi-suite are now equipped with high-speed computers connected to the hospital main server. This permits the staff to view radiology, pathology, and other investigations with ease, allowing them to discuss the findings with the patient with little delay.

We have invested heavily in our teaching facilities. A dedicated computer connected to the backbone of the hospital, LCD TV and projection facilities are some of the changes made this year. We continue to invest in our residents’ and fellow’s study room and office.

The MGH and RVH have fostered and encouraged the development of patient teaching tools. These include a patient passport that was recently announced as the model for a province wide passport by Phillip Couillard. A patient information booklet; interactive computer with disease specific information for patients; multiple DVD’s, computer generated animations (by Molson Imaging at McGill) and most recently new patient information website: www.cancerorl.ca.

All these efforts have led to considerable national recognition. Our MGH and RVH easily obtained accreditation in 2007 and won praise and national recognition for our patient education accomplishments. The head and neck team did very well in the site visit from the Lutte contre le Cancer and is well on the way to getting level 4 status. The skull base team, as an important part of the neuro-oncology submission was given level 4A status. It was the first team to get that status in the Province!

The MGH clinic is fully equipped with a laryngoscope and wall-mounted microscope in each examining room. 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 has recently been outfitted with 2 operating room quality lights to allow for more complex procedures. Plans are underway to increase the sophistication of some of the equipment to allow for a wider variety of out-patient laryngeal procedures. The Voice and Dysphagia laboratories are equipped with a digital system which is used for recording examinations, and also allows for highly specialized outpatient procedures such as vocal fold augmentations. These laboratories are ideal for teaching because of the high quality imagery, and provide residents their only exposure to voice and swallowing disorders. Specialized laryngeal Botox clinics are run through the MGH for patients with laryngeal dystonias.

**MUHC (Montreal Children’s Hospital)**

Highlights:

- New videoendoscopy units for clinic and OR funded by Just for Kids Foundation
- Specialty clinics at MCH
- Annual Melvin D. Schloss Lectureship: Dr. Michael J. Rutter
  
  Topic “Current Advances in the Management of Laryngotracheal Stenosis”
- Awards to Dr. S. Daniel – Medical Award – Foundation MCH
  
  Best Teacher Award – Dept. of Surgery MCH

- Dr. Sam Daniel
  
  FRSQ - Fonds de recherche en santé du Québec (peer-reviewed)
  
  This application ranked first in the “Fundamental Sciences Committee”
  
  Amount: $100,970
  
  CIHR Operating Grant.
  
  This application ranked 2nd in the Clinical Investigation A Committee
  
  Amount: $350,000

- Dr. Melvin Schloss stepped down as Director of Pediatric Otolaryngology after serving 3 years in this position.
JEWISH GENERAL HOSPITAL

Highlights:

1. There continues to be a high clinical volume of patients who are seen in the following specialty clinics:
   - Head and neck oncology (Drs. Black, Hier, Payne)
   - Rhinology (Dr. Frenkiel)
   - Otology (Dr. Rappaport)

2. General clinics are under the supervision of Drs. Finesilver and Fried.

3. Residents’ supervised clinics occur twice weekly.

4. The department supervised a head and neck fellow, Dr. Limor Muallem Kalmovich from Israel.

5. Operating room volumes were maintained during the year including major head and neck cases, endoscopic sinus surgery, microscopic middle and inner ear surgery, and complicated airway problems.

6. The Head and Neck Oncology Program achieved a level 3-4 status from the Provincial committee “La lutte contre le cancer”.

7. Dr. Martin Black stepped down as Chief of the Department of Surgery. The hospital welcomed two new administrators:
   - Dr. Lawrence Rosenberg,
   - Chief of Surgery,
   - and
   - Dr. Hartley Stern, Director General of the hospital.

8. Dr. Erin Wright, University of Alberta, was welcomed as the Annual Raymer Lecturer.