



**DEPARTMENT OF OTOLARYNGOLOGY
HEAD AND NECK SURGERY**

in retrospect
2022



McGill

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INTRODUCTION

INTRODUCTION

Mission Statement

The mission of the McGill Department of Otolaryngology-Head and Neck Surgery is to provide high quality and specialized patient-centered clinical and surgical care, train the next generation of clinicians, surgeons and scientists, and lead in the innovation, development and transfer of new knowledge – all in an environment that is welcoming, collegial, and supportive both for those receiving and those providing the care.



Message from the Chair



The McGill Department of Otolaryngology-Head and Neck Surgery continues to build upon a tradition of excellence in education, research, clinical and surgical care. Strategic goals pledged back in 2019 as an integral part of my mandate as Chair - to enhance the research, education and clinical aspects of our mission, have widely met all milestones.

Our research mission to build upon a robustly equipped and intellectual infrastructure has grown rapidly across our laboratories and the clinical research landscape. Our education mission to train future generations of surgeons and scientists has thrived with the expansion of our fellowship programs for advanced surgical training. Increased as well was the number of graduate research students training at MSc and PhD levels across our multidisciplinary research teams. These new and returning students significantly enhance our research

community and help deliver innovative approaches and solutions to our future practice.

Our clinical care has expanded to include a Cochlear Implant Surgery Program providing state-of-the-art hearing health care to those with hearing deficits living in the western part of the province of Quebec. Our CI Surgery clinic officially opened its doors to both pediatric and adult patients in November 2022. We have new talent - surgeons and audiologists, and collaborate with OTL-HN colleagues from the Université de Montréal for this shared program home-based at the McGill University Health Centre. The specialty's research arm is thriving as well, enhanced and expanded by the clinical CI program bringing new opportunities.

Our faculty were invited keynote speakers at international conferences such as the International Federation of ORL Societies Conference and the Triological Society Annual Meeting. Grand Rounds, offered in hybrid in-person/virtual formats, continued to attract local and international high-calibre speakers providing a forum for high-quality continuing medical education for our colleagues.

Fundraising activities picked up with the annual JGH 5K Run as well as the return of a very successful McGill head and neck cancer fundraising gala held in August.

The past year welcomed a gradual decline of the COVID pandemic allowing for many of our activities to return to relatively normal. However, the effect of the pandemic on an already challenged healthcare system continued to affect us all. We acknowledge all of our dedicated faculty, administrative staff, nursing, speech-language pathologists, audiologists, nutritionists, technicians, and medical secretarial support for their unwavering dedication to helping deliver health services to our communities. 2022 was a "year of adjustments" to changing conditions in the wake of a pandemic but yet so very successful with accomplishments and achievements, for the most part, due to the talent, grit, and dedication of so many. Take a look of at our year presented to you *in retrospect*. Enjoy.

Nader Sadeghi, MD, FRCS

Professor and Chair,
Department of Otolaryngology -
Head and Neck Surgery
Director,
McGill Head and Neck Cancer Program



LEADERSHIP



Nader Sadeghi, MD
Chair
Chief, MUHC

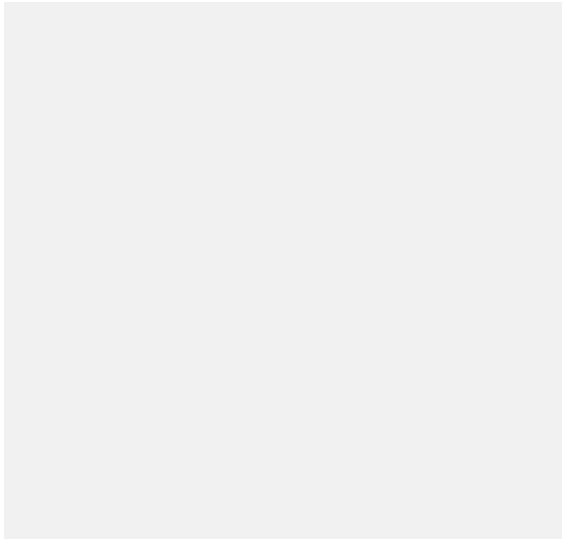
Keith Richardson, MD
Residency Program
Director



Tamara Mijovic, MD
Competence Committee
Chair



Cinzia Marchica, MD
Undergraduate
Education Program
Co-Director



Joshua Gurberg, MD
Undergraduate
Education Program
Co-Director



Bernard Segal, MD
Enrichment Year/MSc Program
Director



Michel Hier, MD
Chief
Jewish General Hospital



Sam J. Daniel, MD
Chief
Montreal Children's Hospital

Jamie Rappaport, MD
Fellowship Program
Director



THE DEPARTMENT BY NUMBERS

Academic Appointments

RANK	FULL TIME	PART TIME	TOTAL
Clinical Faculty			
Faculty Lecturer		17	17
Assistant Professor	12	2	14
Associate Professor	7	3	10
Professor	6		6
Research Faculty			
Assistant Professor	2		2
Associate Professor	4		4
	31	22	53

Academic & Peer Reviewed Publications 2022

Articles	48
Book Chapters	-
Editorials	2
Letters	1
Notes	-
Reviews	14
TOTAL	65

For a comprehensive list of 2022 publications:
<https://www.mcgill.ca/ent/about-us/publications>



THE DEPARTMENT BY NUMBERS

Residents and Fellows

Academic Year 2021 - 2022

Fellows	7
Residents	15
TOTAL	22

Publications

Articles	16
Letters	-
Reviews	5
TOTAL	21



Fellowships Available

ONE YEAR

- Auditory Sciences Laboratory
- Laryngology
- Pediatric Otolaryngology
- Skull Base and Advanced Rhinology
- Thyroid and Parathyroid Surgery

TWO YEAR

- Head and Neck Surgery and Microvascular Reconstruction
- Pediatric Otolaryngology

For further information visit:

<https://www.mcgill.ca/ent/education/fellowship>

FACULTY

FACULTY

In alphabetical order:

NAME	POSITION	APPOINTMENT TYPE	ACADEMIC RANK	PRIMARY DEPARTMENT APPOINTMENT	JOINT DEPARTMENT APPOINTMENT
Chagnon, Francoise	Full time	Clinical Faculty	Assistant Professor (Clinical)	Otolaryngology - Head and Neck Surgery	
Daniel, Sam Joseph	Full time	Clinical Faculty	Professor (Clinical)	Pediatric Surgery (MCH)	Otolaryngology - Head & Neck Surgery
Duval, Melanie	Full time	Clinical Faculty	Assistant Professor (Clinical)	Pediatric Surgery (MCH)	Otolaryngology - Head & Neck Surgery
Forest, Veronique-Isabelle	Full time	Clinical Faculty	Assistant Professor (Clinical)	Otolaryngology - Head and Neck Surgery	
Frenkiel, Saul	Full time	Clinical Faculty	Professor (Clinical)	Otolaryngology - Head and Neck Surgery	
Funnell, W Robert J	Full time	Research Faculty	Associate Professor	Biomedical Engineering	Otolaryngology - Head and Neck Surgery
Gurberg, Joshua	Full time	Clinical Faculty	Assistant Professor (Clinical)	Pediatric Surgery (MCH)	Otolaryngology - Head & Neck Surgery
Henry, Melissa	Full time	Research Faculty	Associate Professor	Associate Member / Otolaryngology - Head and Neck Surgery	Gerald Bronfman Department of Oncology
Hier, Michael P	Full time	Clinical Faculty	Professor (Clinical)	Otolaryngology - Head and Neck Surgery	Gerald Bronfman Department of Oncology
Athanasios Katsarkas	Full time	Tenure	Professor Emeritus	Otolaryngology - Head and Neck Surgery	
Kay-Rivest, Emily	Full time	Clinical Faculty	Assistant Professor (Clinical)	Otolaryngology - Head and Neck Surgery	
Kost, Karen	Full time	Clinical Faculty	Professor (Clinical)	Otolaryngology - Head and Neck Surgery	
Lehmann, Alexandre	Full time	Research Faculty	Associate Professor (Research)	Otolaryngology - Head and Neck Surgery	
Loganathan, Sampath Kumar	Full time	Research Faculty	Assistant Professor (Research)	Otolaryngology - Head and Neck Surgery	

NAME	POSITION	APPOINTMENT TYPE	ACADEMIC RANK	PRIMARY DEPARTMENT APPOINTMENT	JOINT DEPARTMENT APPOINTMENT
Manoukian, John J	Full time	Clinical Faculty	Associate Professor (Clinical)	Pediatric Surgery (MCH)	Otolaryngology - Head & Neck Surgery
Marchica, Cinzia	Full time	Clinical Faculty	Assistant Professor (Clinical)	Otolaryngology - Head and Neck Surgery	
Mascarella, Marco	Full time	Clinical Faculty	Assistant Professor (Clinical)	Otolaryngology - Head and Neck Surgery	
McHugh, Tobial	Full time	Clinical Faculty	Assistant Professor (Clinical)	Pediatric Surgery (MCH)	Otolaryngology - Head & Neck Surgery
Mlynarek, Marcin	Full time	Clinical Faculty	Associate Professor (Clinical)	Otolaryngology - Head and Neck Surgery	
Nguyen, Phan Ha-Nam	Full time	Clinical Faculty	Associate Professor (Clinical)	Pediatric Surgery (MCH)	Otolaryngology - Head and Neck Surgery
Payne, Richard J	Full time	Clinical Faculty	Associate Professor (Clinical)	Otolaryngology - Head and Neck Surgery	
Rappaport, Jamie M	Full time	Clinical Faculty	Associate Professor (Clinical)	Otolaryngology - Head and Neck Surgery	
Richardson, Keith	Full time	Clinical Faculty	Assistant Professor (Clinical)	Otolaryngology - Head and Neck Surgery	
Sadeghi, Nader	Full time	Clinical Faculty	Professor (Clinical)	Otolaryngology - Head and Neck Surgery	Gerald Bronfman Department of Oncology/Associate - Division of Experimental Surgery/Department of Surgery
Schloss, Melvin	Full time		Emeritus Professor	Pediatric Surgery (MCH)	Otolaryngology - Head and Neck Surgery
Schwartz, Joseph	Full time	Clinical Faculty	Assistant Professor (Clinical)	Otolaryngology - Head and Neck Surgery	
Segal, Bernard	Full time	Research Faculty	Associate Professor	Otolaryngology - Head and Neck Surgery	

FACULTY

NAME	POSITION	APPOINTMENT TYPE	ACADEMIC RANK	PRIMARY DEPARTMENT APPOINTMENT	JOINT DEPARTMENT APPOINTMENT
Tewfik, Marc	Full time	Clinical Faculty	Associate Professor (Clinical)	Otolaryngology - Head and Neck Surgery	
Wurzba, Sabrina	Full time	Research Faculty	Assistant Professor (Research)	Otolaryngology - Head and Neck Surgery	
Yeung, Jeffrey	Full time	Clinical Faculty	Assistant Professor (Clinical)	Pediatric Surgery (MCH)	Otolaryngology - Head and Neck Surgery
Young, Jonathan	Full time	Clinical Faculty	Assistant Professor (Clinical)	Otolaryngology - Head and Neck Surgery	
Zeitouni, Anthony	Full time	Clinical Faculty	Associate Professor (Clinical)	Otolaryngology - Head and Neck Surgery	
Boucher, Carl	Part time	Clinical Faculty	Faculty Lecturer (Clinical)	Otolaryngology - Head and Neck Surgery (Gatineau)	
Bouhabel, Sarah	Part time	Clinical Faculty	Faculty Lecturer (Clinical)	Otolaryngology - Head and Neck Surgery	
Caouette, Richard	Part time	Clinical Faculty	Faculty Lecturer (Clinical)	Otolaryngology - Head and Neck Surgery (Gatineau)	
Dionne, Renee (Gatineau)	Part time	Clinical Faculty	Faculty Lecturer (Clinical)	Otolaryngology - Head and Neck Surgery (Gatineau)	
Dolev, Yalon	Part time	Clinical Faculty	Faculty Lecturer (Clinical)	Otolaryngology - Head and Neck Surgery	
Fanous, Nabil	Part time	Clinical Faculty	Associate Professor (Clinical)	Otolaryngology - Head and Neck Surgery	
Gabra, Nathalie	Part time	Clinical Faculty	Faculty Lecturer (Clinical)	Otolaryngology - Head and Neck Surgery	
Hindi, Lamiae	Part time	Clinical Faculty	Faculty Lecturer (Clinical)	Otolaryngology - Head and Neck Surgery	

NAME	POSITION	APPOINTMENT TYPE	ACADEMIC RANK	PRIMARY DEPARTMENT APPOINTMENT	JOINT DEPARTMENT APPOINTMENT
Houle, Olivier	Part time	Clinical Faculty	Faculty Lecturer (Clinical)	Otolaryngology - Head and Neck Surgery	
Iordanescu, Vlad	Part time	Clinical Faculty	Faculty Lecturer (Clinical)	Otolaryngology - Head and Neck Surgery	
Lalonde, Michel	Part time	Clinical Faculty	Faculty Lecturer (Clinical)	Otolaryngology - Head and Neck Surgery	
Mijovic, Tamara	Part time	Clinical Faculty	Assistant Professor (Clinical)	Otolaryngology - Head and Neck Surgery	
Monette, Luc	Part time	Clinical Faculty	Faculty Lecturer (Clinical)	Otolaryngology - Head and Neck Surgery	
Nguyen, Sally	Part time	Clinical Faculty	Faculty Lecturer (Clinical)	Otolaryngology - Head and Neck Surgery	
Picard, Lyne	Part time	Adjuncts- Affiliates	Faculty Lecturer (Clinical)	Otolaryngology - Head and Neck Surgery	
Rothstein, Jack	Part time	Clinical Faculty	Faculty Lecturer (Clinical)	Otolaryngology - Head and Neck Surgery	
Samaha, Mark	Part time	Clinical Faculty	Associate Professor (Clinical)	Otolaryngology - Head and Neck Surgery	
Sejean, George	Part time	Clinical Faculty	Assistant Professor (Clinical)	Otolaryngology - Head and Neck Surgery	
Shapiro, Robert	Part time	Clinical Faculty	Associate Professor (post retirement)	Pediatric Surgery (MCH)	
Varshney, Rickul	Part time	Clinical Faculty	Faculty Lecturer (Clinical)	Otolaryngology - Head and Neck Surgery	
Vu, Thien Tuong Vi	Part time	Clinical Faculty	Faculty Lecturer (Clinical)	Otolaryngology - Head and Neck Surgery	
Ywakim, Rania	Part time	Clinical Faculty	Faculty Lecturer (Clinical)	Otolaryngology - Head and Neck Surgery	

PROMOTIONS AND RECRUITMENTS



Congratulations to **Dr. Michael Hier**, promoted to the rank of Full Professor (CAS) Clinical in November 2022. Dr. Hier joined our department in 1997 as an Assistant Professor with a joint appointment in the Department of Oncology. He was promoted to the rank of Associate Professor (CAS) Clinical in 2005. He has been an essential contributor to the department through his various leadership roles most notably at the Jewish General Hospital in the capacity of Chief of Otolaryngology - Head and Neck Surgery from 2010 to the present.

A consummate otorhinolaryngologist in the truest sense, Dr. Hier's clinical innovation is in the area of head and

neck surgery, a specialty to which he has made substantial contributions to on local, national, and international fronts. He was instrumental in establishing the McGill Head and Neck Surgery and Reconstructive Fellowship Program for which he acts as co-Director and he has been a most valued mentor to our fellows and residents over the course of the last 25 years. To date, he has trained 10 international fellows now established surgeon-oncologists in centres around the world. His teaching and mentoring at all levels from undergrad to post-grad in clinical and academic settings, locally and internationally, is testament to his influence and impact in the field of otolaryngology.



A warm welcome to **Dr. Emily Kay-Rivest** who joined the Department of Otolaryngology-Head and Neck Surgery as an otologist and neurotologist in August 2022.

After residency at McGill, Dr. Kay-Rivest completed a two-year fellowship in otology and neurotology at New York University Grossman School of Medicine. There she gained extensive experience in skull base surgery, complex pediatric and adult cochlear implants, and endoscopic ear surgery.

Her expertise includes treating a wide variety of ear pathologies (such as cholesteatoma, perforations and otosclerosis); performing cochlear implants for hearing loss; and skull base tumors. Among her interests are patients with neurofibromatosis type 2. Her research focuses on improving hearing rehabilitation (cochlear implants and auditory brainstem implants) in individuals with vestibular schwannomas and other retrocochlear pathologies. Dr. Kay-Rivest treats patients at the Jewish General Hospital and the McGill University Health Centre, Royal Victoria Hospital.

SPECIALTIES

HEAD AND NECK SURGERY
AND RECONSTRUCTION

FACIAL PLASTIC SURGERY

LARYNGOLOGY

RHINOLOGY AND
SKULL BASE SURGERY

OTOLOGY/NEUROTOLOGY

PEDIATRIC



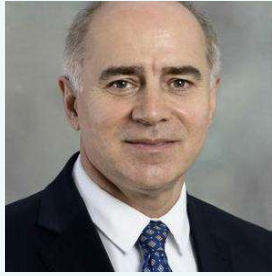
SPECIALTIES: HEAD & NECK SURGERY AND RECONSTRUCTION

Head and Neck Surgery and Reconstruction, integrated under the McGill Head and Neck Cancer Program, is a thriving service based at the McGill University Health Centre and the Jewish General Hospital. Our specialty provides state-of-the-art patient care for a wide range of malignant and non-malignant tumors of the head and neck, including skin, oral cavity, pharynx, larynx, salivary glands, thyroid and parathyroid glands. Our service provides surgical care covering a wide range of procedures: complex ablative surgery, transoral robotic surgery and transoral laser microsurgery, as well as

reconstructive surgical procedures including microvascular reconstruction, facial animation, and voice restoration.

We are an academic team of dedicated scientists and surgeon investigators promoting a streamlined and innovative research agenda performing cutting edge clinical trials and fundamental studies on head and neck cancer. We provide expert cancer care to all of our patients using an interdisciplinary and comprehensive head and neck cancer care team approach at both of our affiliate teaching hospitals.





Nader Sadeghi, MD
Chair and Chief, MUHC

Michael Hier, MD
Chief
Jewish General Hospital



Veronique Forest, MD



Karen Kost, MD

CLINICAL TEAM



Marco Mascarella, MD



Alex Mlynarek, MD



Richard Payne, MD

Keith Richardson, MD

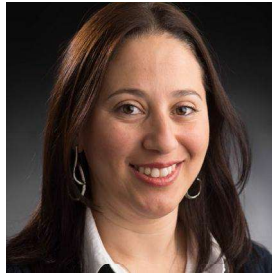


Anthony Zeitouni, MD

SCIENTIFIC TEAM



Sampath Kumar Loganathan, PhD



Sabrina Wurzba, PhD



Melissa Henri, PhD



Our head and neck cancer team is fortunate to have active collaborations throughout the oncology research landscape at McGill:

Dr. Julia Burnier, Department of Pathology

Lead and collaborator in liquid biopsy research with multidisciplinary head and neck surgery team at the MUHC.

Dr. Anie Philip, Department of Surgery (Experimental Medicine)

Collaborator with the Head and Neck Cancer Program based at the Research Institute, MUHC.

Dr. Nicole Li-Jessen, School of Communication Sciences and Disorders, McGill Main Campus

Collaborator with the head and neck team as well as our laryngology team.

FELLOWS



Thava Subramaniam, MD



Arnaud Lambert, MD



Mawaddah Abdulhaleem, MD

Dr. Thava Subramaniam, an otolaryngologist - head and neck surgeon originally from Ireland, completed a one year fellowship in head and neck surgical oncology at the MUHC and has taken a position as head and neck surgeon at the Galway University Hospital in Ireland.

Dr. Arnaud Lambert, an otolaryngologist from Belgium, completed year one of a two-year fellowship in our combined MUHC/JGH Head and Neck Surgery and Reconstructive Fellowship Program. We are happy to have him with us until July 2024.

Dr. Mawaddah Abdulhaleem, an otolaryngologist - head and neck surgeon originally from Saudi Arabia, completed a one year fellowship in thyroid and parathyroid surgery at the MUHC and JGH. She has taken a position as a thyroid and parathyroid surgeon at the King Abdul Aziz University Intermed Clinic in Saudi Arabia.

HIGHLIGHTS

A Head and Neck Cancer Integration Program was launched with the support of the Rossy Cancer Network. Our team is made up of multi-disciplinary representation from the MUHC, the Jewish General and St. Mary's Hospital. Our goal is aimed at improving on quality of care by streamlining cancer care pathways from diagnosis, throughout treatment, and post treatment survivorship care. An important component of this program will be introducing psycho-social distress screening and interventions, and incorporating patient reported outcomes into our quality of life metrics. We will continue to make inroads, as well, on a robust research-quality head and neck cancer data and bio tissue bank – an important resource for future qualitative collaborations.

The Quebec Ministry initiated a pilot project on molecular testing for thyroid nodules headed up by Dr. Richard Payne. This initiative involves all four of the major university

centres (CHUM, CHU de Québec, CHUS, MUHC/JGH) in the province of Quebec. A multidisciplinary committee was developed comprising of thyroid specialists from around the province to work in conjunction with government agencies to oversee this impressive initiative that involves all regions of Quebec. After the first 18 months of the program, results have been very encouraging. The pilot project has resulted in improved patient care by avoiding diagnostic thyroid surgery in the majority of patients, as well as significant cost savings for the healthcare system.

Our TransOral Robotic Surgery (TORS) program remains at the forefront of paradigm shifting innovation in the treatment of oropharyngeal cancer. With our current research on circulating tumour DNA for detection, response to treatment and surveillance of oropharyngeal cancer, we are entering a new era of precision oncology and personalized treatments for this disease. Through

patient reported outcomes research we have demonstrated that with our new model of **Neoadjuvant Chemotherapy** followed by **TORS** (NECTORS), the quality of life for our patients is preserved, with cancer cure rates on the upswing as well.

Our translational research team at the Research Institute (MUHC) and the Lady Davis Institute (JGH) continues to grow with CIHR funded projects. Many

areas are being explored including mechanisms of cancer response to treatment, genetic markers of tumor heterogeneity, and finding new targets for precision treatments. Translating new knowledge from science to medical/psycho-social care, our goal is to deliver innovative approaches and solutions essential for building best practice, fine-tuning treatments, and ultimately improving quality of life for our head and neck cancer patients.



Three new students joined our research team in 2022 for a current total of eight students in the program, two PhD and six MSc:

Sarah Tadhg Ferrier (PhD, Pathology)

Circulating tumor DNA (ctDNA) for Detection, Response to Treatment, and Surveillance in Oropharyngeal Cancer

Supervisors: Dr. Julia Burnier, Dr. Nader Sadeghi, and Dr. Anthony Zeitouni

Christian R. Moya-Garcia

(PhD, Biomedical Engineering)

Chemosensitizing Effects of Metformin in Docetaxel Resistant Laryngeal Cancer

Supervisors: Dr. Nicole Li-Jessen, Dr. Maryam Tabrizian, and Dr. Nader Sadeghi

Marc-Andre Gauthier (MSc, OTL-HNS)

Long-Read Sequencing to Study the Integration Sites in HPV- Positive Oropharyngeal Cancer

Supervisors: Dr. Sampath Loganathan and Dr. Nader Sadeghi

Jennifer Silver (MSc, OTL-HNS)

Quality of Life Outcomes in Oropharyngeal Cancer Treated with Neoadjuvant Chemotherapy and Transoral Robotic Surgery Trial (NECTORS)

Supervisors: Dr. Nader Sadeghi and Dr. Melissa Henry

Tuan Khang Huynh (MSc, Experimental Medicine)

Nudt11, A Metabolic Enzyme Role in HNSCC

Supervisor: Dr. Sampath Loganathan

Ali Taqvi (MSc, Experimental Medicine)

Role of SSRT4 in Head and Neck Cancer

Supervisor: Dr. Sampath Loganathan

Zahra Kardan (MSc, Experimental Surgery)

Stk19 Kinases and HPV Interaction in HNSCC

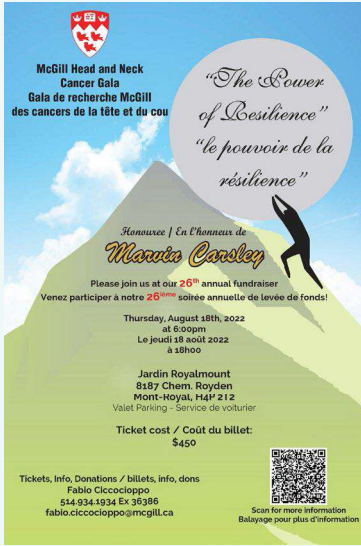
Supervisor: Dr. Sampath Loganathan

Yue Yan (MSc, OTL-HNS)

Role of Ripk4 Tumor Suppressive Mechanism in Head and Neck Cancer

Supervisor: Dr. Sampath Loganathan

FUNDRAISING



In August 2022 we held our 26th annual McGill head and neck cancer fundraising gala co-chaired by Dr. Nader Sadeghi and Dr. Michael Hier. Our first fundraiser post-pandemic restrictions was most successful earning \$350,000 in proceeds earmarked for our head and neck cancer care and research program.

We are most grateful to Mr. Marvin Carsley for his patronage as well as to our OTL-HNS community of benefactors for their continued support over the years.



The Lachine Canal was the place to be on September 18 for the Annual JGH 5Km Race! This year's event included 42 runners from five different teams. The rainy day failed to dampen any spirits of the many supporters in attendance. A big cheer was given when it was announced that the event raised more than \$160 000! A huge thank you to co-chairs Dr. Richard Payne, Rosie Talasian and Alexandra Payne for their heart-felt work and dedication to growing this annual event over the last few years into what is sure to be a department tradition that is looked forward to by all. The otology team "Ear We Go" were this year's winners!



GRANTS

2022-2027

Deciphering the Role of Metabolic Genes in Head and Neck Cancer

PRINCIPAL INVESTIGATOR:

Sampath Loganathan

COLLABORATORS:

Nader Sadeghi, Lawrence Kazak (Goodman Cancer Institute) and Anthony Michaelraj (U of Pittsburgh)

FUNDING SOURCE:

Canadian Institutes of Health Research (CIHR)

AMOUNT: \$830 000

2022-2025

Head and Neck Cancer Integration Program: Patient Reported Outcomes, Quality of Care, and Trajectory Improvement Initiative - Head and Neck Cancer

PRINCIPAL INVESTIGATOR:

Nader Sadeghi

CO-INVESTIGATOR:

Entire head and neck cancer team across MUHC, JGH and St. Mary's Hospital

FUNDING SOURCE:

Rosy Cancer Network

AMOUNT: \$473 000

2021-2026

Identification of Biological and Molecular Signatures to Predict Treatment Response in Patients with Advanced HPV Positive Oropharyngeal Cancer

PRINCIPAL INVESTIGATORS:

Sabrina Silva Wurzba, Nader Sadeghi

CO-INVESTIGATORS:

Guillaume Bourque, Michael Hier

FUNDING SOURCE:

Canadian Institutes of Health Research (CIHR)

AMOUNT: \$665 550

2019-2024

Role of CD109 in Regulating Cellular Signalling and Responses in Skin and Oral Squamous Cell Carcinoma

PRINCIPAL INVESTIGATOR:

Anie Philip

CO-INVESTIGATORS:

Alex Gregorieff, Nader Sadeghi

FUNDING SOURCE:

Canadian Institutes of Health Research (CIHR)

AMOUNT: \$1 074 825

GRANTS

2021-2023

In vivo CRISPR to Study Tumor Suppressors in Head and Neck Squamous Cell Carcinoma

PRINCIPAL INVESTIGATOR:

Sampath K. Loganathan

FUNDING SOURCE:

Cancer Research Society

AMOUNT: \$150 000

2021-2022

Deciphering the Role of Metabolic Genes in Head and Neck Squamous Cell Carcinoma

PRINCIPAL INVESTIGATOR:

Sampath K. Loganathan

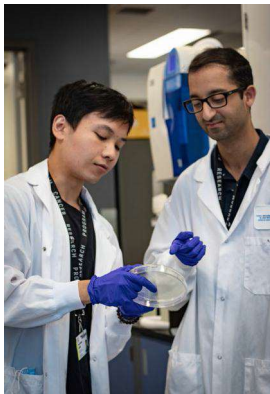
COLLABORATORS:

Nader Sadeghi, Lawrence Kazak (Goodman Cancer Centre), KM Antony Michaelraj

FUNDING SOURCE:

Canadian Institutes of Health Research (CIHR)

AMOUNT: \$100 000



SPECIALTIES: **FACIAL PLASTIC SURGERY**



Our facial plastic surgery program complements the reconstructive surgery provided by the head and neck program at our teaching hospitals. We provide services on complex functional and cosmetic nasal deformities, facial paralysis, reconstruction of traumatic, oncologic, and other nasal and facial surgical defects.

Our team is involved in the surgical education of our residents, and we are dedicated to enriching their educational experience through a comprehensive curriculum that includes hands-on practice, workshops, one-on-one instruction, as well as exposure to live surgery performed at off-site private surgical centres.



Resident rotations (2 rotations of 2 weeks each) are provided at two different sites whereby residents are exposed to consultations, non-surgical treatments, surgical procedures, and follow-ups. Additionally, a one-on-one hands-on dissection course is offered with simulation models used to practice septoplasty and rhinoplasty. In parallel, the residents' exposure is augmented by completing a reading list and a video library. Residents are required, as well, to complete a rhinoplasty and septoplasty on a simulation model as part of their evaluation.

Lead by Dr. Samaha, we host an annual cadaver dissection course at the McGill Steinberg Simulation Centre: a 2.5-day course on cosmetic and reconstructive facial plastic surgery consisting of some didactic teaching with an emphasis on hands-on surgical dissection on fresh cadaver specimens, with one-on-one instruction by leaders in the field of facial plastic surgery from across Canada. A non-surgical injections workshop is also part of the course.



Our department is not only concerned about our residents being excellent scholars and professionals, but also as sophisticated communicators, collaborators, leaders and health advocates. Dr Nabil Fanous has given three CanMeds courses to residents on time organization, stress management and patient-positive interactions.

Our team contributes to grand rounds, didactic lectures and other CME accredited activities as well as presentations, courses, and panel discussions at national and international levels. Team members were invited to four different national and international conferences in the facial plastic field. Dr Nabil Fanous delivered a talk on new techniques in rhinoplasty and facial/ forehead lifts. Dr. Amanda Fanous has presented on her experiences with very deviated noses and complicated otoplasties.

CLINICAL TEAM



Nabil Fanous, MD
Division Lead



Mark Samaha, MD



Yalon Dolev, MD



Amanda Fanous, MD

HIGHLIGHTS

Dr. Nabil Fanous was elected President of the Canadian Academy of Facial Plastic Surgery and Reconstructive Surgery (CAFPRS).

Dr. Samaha is Director and Treasurer of the Canadian Academy of Facial Plastic and Reconstructive Surgery (CAFPRS).

Dr. Samaha serves as the Canadian representative to the American Academy of Facial Plastic and Reconstructive Surgery (AAFPRS).





Dr. Mark Samaha is a team leader of an annual surgical mission to the West Indies providing needed reconstructive surgical services to the underserved population and teaching local physicians. Dr. Samaha is a team member of another similar annual mission to Hanoi, Vietnam.

Dr. Amanda Fanous was featured on the very popular French TV series "Injections et Bistouri". She talked about the latest technique in ultrasonic rhinoplasty, and on how reconstructive otoplasty (for deformed ears) can make a difference in the lives of children and adolescents.



SPECIALTIES: LARYNGOLOGY



The Voice and Dysphagia Laboratory treats a wide range of voice and swallowing disorders. The staff includes three full-time, fellowship-trained laryngologists, along with a dedicated passionate and engaged multidisciplinary team consisting of a fellow, several speech-language pathologists, an occupational therapist, a nutritionist and three talented nurses. Our recently upgraded equipment allows us to provide cutting edge care to our patients while pushing the boundaries of innovation. What we do is both unique and rewarding because we can dramatically improve our patients' quality of life with outpatient procedures in a matter of minutes; a patient can walk in whispering and leave a few minutes later talking, sometimes even singing! Indeed, it's not surprising to hear students and visitors often describe what we do as 'cool' and 'amazing' because of the dramatic change we effect in a short period of time. We love showing and teaching what we do to medical students and residents who watch in awe as we restore voices and smiles with clinic-based procedures.

We treat a wide range of voice disorders in singers, professional voice users, coaches, teachers, and anyone whose voice is not 'quite right'. With our talented team, huge volume of patients, and enormous variety of clinical cases treated, we are proud to have earned both national and international recognition as a 'center of excellence' in voice and dysphagia-related disorders. As such, we see patients not only from Montreal and its environs, but also from remote regions of Quebec, the Maritime provinces, Ontario, and indeed from across the country. Our laryngology fellowship program is competitive and attracts candidates from across the globe. Our fellows in 2022 included Dr. Eli Layous from Israel and Dr. Antonia Lagos, from Santiago, Chile; they both managed to survive their first winter in Canada!

Our laryngologists have extensive experience in outpatient clinic-based procedures and continue to push the boundaries of outpatient treatment by expanding the number of interventions offered. Well established procedures include: i) a variety of vocal fold injections including steroids, cidofovir, botulinum toxin and substances for temporary/permanent augmentation; ii) upper airway biopsy; iii) esophagoscopy and biopsy; and iv) KTP laser treatment for variety of laryngeal pathology.

Two programs established in the last few years have broadened the scope of services provided by the Voice and Dysphagia Lab at the MUHC Glen site.

These include i) the management of laryngeal dystonias and ii) transgender voice therapy, consisting primarily of voice feminization which also includes sensitization protocols for staff in terms of appropriate nomenclature designations and treatment of one and all with respect and dignity.

The remarkable success of the Voice and Dysphagia Laboratory is credited to the patient-centered team we are fortunate to work with every day. The enthusiasm and commitment each brings to their work and to our patients provides the glue that allows us to achieve wonderful things.



CLINICAL TEAM



Karen Kost, MD
Division Lead



Françoise Chagnon, MD



Jonathan Young, MD

FELLOWS



Eli Layous, MD



Antonia Lagos, MD

HIGHLIGHTS

Dr. Françoise Chagnon serves as Chair of the Scientific Advisory committee for l'Opéra de Montréal as well as leader for their community engagement Programme Respirer, a virtual clinic for individuals who have had COVID and after recovering from the effects, have experienced respiratory and anxiety disorders. Dr. Chagnon also collaborates with the Schulich School of Music for the advancement of the art and science of the singing voice and the development of successful vocal artists; she is a co-supervisor of Theodora Nestorova, PhD candidate in the Interdisciplinary Studies and Applied Performance Sciences program.

Dr. Chagnon is a member of the Board of Regents for the American College of Surgeons and is also a member of the Committee on Ethics, the Advisory Council for OTL-H+N Surgery, and the Bylaws Committee. Dr Chagnon is a member of the Governance Committee of the Collège des Médecins du Québec.

HIGHLIGHTS

Dr. Karen Kost is the co-Director (with Dr Jamie Rappaport) of the McGill Annual Update in Otolaryngology-Head and Neck Surgery meeting traditionally held at the Fairmount Mont-Tremblant. After three years of COVID shutdowns, the 24th annual meeting was held with much success, in-person, for a three-day conference, March 17-19, 2023.

Dr Kost was the recipient of a Vice-Presidential Citation in January 2022 at the Triological Society winter meeting in San Diego, California. She was also nominated to the position of Editor of the American Laryngological Association in April 2022 at the Annual Triological Society meeting in Texas. Dr. Kost serves on the Advisory Boards of both the Voice Foundation and the International Association of Phonosurgery and is Chair of the Laryngology Subcommittee of the Canadian Society of Otolaryngology Head and Neck Surgery.

Dr. Kost was a contributing guest on the weekly CBC radio show “Quirks & Quarks” hosted by Bob MacDonald to talk about ‘The Aging Voice’. The episode aired on December 31, 2022, and is now available as a podcast at: <https://www.cbc.ca/radio/quirks/dec-31-our-annual-holiday-question-show-1.6692277>

The McGill chapter of the Women in Otolaryngology (WIO) section of the Canadian Society of Otolaryngology-Head and Neck Surgery (CSO-HNS) continues to meet on a bi-annual basis. These twice yearly dinner meetings provide colleagues with an opportunity for open and shared discussion on topics of concern in a relaxed and informal atmosphere.





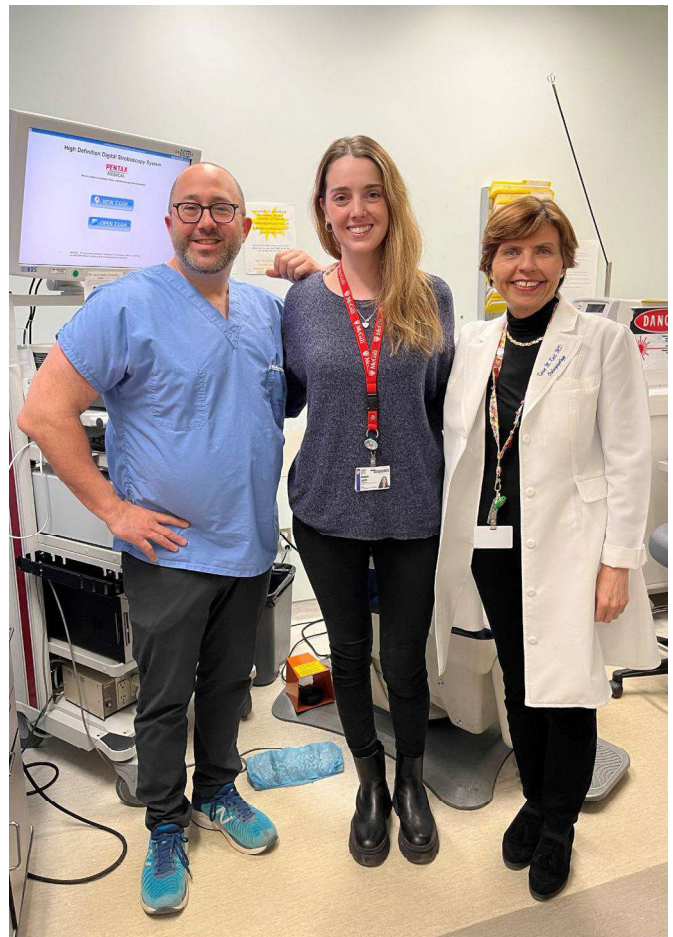
Dr. Jonathan Young is a member of the Board of Examiners for the Royal College of Physicians and Surgeons for Otolaryngology-Head and Neck Surgery. He is a member of the Residency Training committee as well as the Laryngology subcommittee of the Canadian Society of Otolaryngology-Head and Neck Surgery.

Dr. Young's dysphagia clinic at the Jewish General Hospital provides another opportunity for the care of patients with swallowing disorders. Patients seen at the MUHC and JGH clinics are thoroughly evaluated and given exercise programs/texture modifications/lifestyle modifications in order to improve safety and recovery of their swallowing function. These clinics work in conjunction with the speech and language pathology and clinical nutrition services.

Dr. Kost, Chagnon and Young all actively mentor medical students, residents and fellows and are involved in supervising ongoing research projects.

Dr. Eli Layous from Israel spent the latter half of 2021 and first 6 months of 2022 completing a one year laryngology fellowship. Dr. Layous moved his family to Montreal for the year to enjoy the 'Canadian experience'. During his time at McGill, he became proficient in the management of laryngology patients and gained expertise in both operative and outpatient procedures. He rapidly integrated into the team, and was warmly regarded by all who interacted with him for his gentle, kind approach and easy-going manner.

Dr. Antonia Lagos-Villasca, an assistant professor of otolaryngology from the University Hospital in Santiago, Chile is currently the McGill laryngology fellow for the year 2022/23. Dr. Lagos participates in all clinical activities at the Voice and Dysphagia lab, teaches residents and students, and is involved in several research projects. She approaches her work with energy, enthusiasm, and professionalism. She is meticulous, hard-working, and a welcome addition to the Voice and Dysphagia Laboratory.



GRANTS

The Voice and Dysphagia Lab is fortunate to work closely with Nicole Li-Jessen, Assistant Professor, School of Communication Sciences and Luc Mongeau, Professor, Department of Engineering, McGill University. We are grateful for our close and collegial collaboration, which continues to generate grants and produce important basic science research.

2020–2025

Potential Clinical Value of IScan Technology

CO-INVESTIGATORS:

Karen Kost, Françoise Chagnon,
Jonathan Young

FUNDING SOURCE:

Pentax Medical

AMOUNT: \$75 000

2020–2024

Bioprintable Composite Materials and
Microfluidic Tools for Vocal Fold Restoration
and Repair

PRINCIPAL INVESTIGATOR:

Luc Mongeau

CO-INVESTIGATORS (MCGILL):

Jianyu Li, Nicole Li-Jessen, Paul Wiseman,
Karen Kost

FUNDING SOURCE:

National Institutes of Health (NIH)

AMOUNT: \$2 474 309 (USD)

2018–2025

Patient-Specific Computational Models of
Vocal Recovery from Phonosurgery

PRINCIPAL INVESTIGATOR:

Nicole Li-Jessen

CO-INVESTIGATORS:

Luc Mongeau, Karen Kost

FUNDING SOURCE:

Canadian Institutes of Health Research
(CIHR)

AMOUNT: \$111 690/year

2018–2024

A Paper-based Microfluidic Platform
for Rapid Point-of-Care Diagnosis of
Laryngopharyngeal Reflux

PRINCIPAL INVESTIGATORS:

Xinyu Liu, Karen Kost, Nicole Li-Jessen

FUNDING SOURCE:

Canadian Institutes of Health Research
(CIHR)

AMOUNT: \$118 728/year

SPECIALTIES: **RHINOLOGY AND SKULL BASE SURGERY**

The Rhinology/Skull Base division of the Department of Otolaryngology - Head and Neck Surgery treats a wide spectrum of disorders of the sinonasal tract, including anatomical nasal obstruction, inflammatory disorders and tumors. These disorders are very common in the general population and lead to a significant reduction in quality of life. We also help to advance the field through the investigation of novel treatments, as well as by innovating in surgical techniques and in surgical education.



The division of Rhinology includes six otolaryngologists with advanced training in rhinology and/or skull base surgery. We also have Dr. Mahmoud Alreefi with our team, a home-grown former resident with our department, who is now a clinical fellow specialising in advanced rhinology and skull base surgery.

Dr. Frenkiel continues to be a guiding figure and role model for many in our group, all the while playing an integral part in our clinical activities. We would like to thank Dr. Frenkiel for his many years of precious mentorship and we look forward to many more. We also look forward to the first honorary Saul Frenkiel Lecture to be given by invited Professor Peter-John Wormald in October 2023.

CLINICAL TEAM



Marc Tewfik, MD
Division Lead



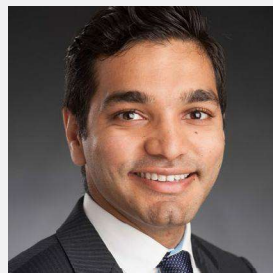
Saul Frenkiel, MD



Joseph Schwartz, MD



Lamiae Himdi, MD

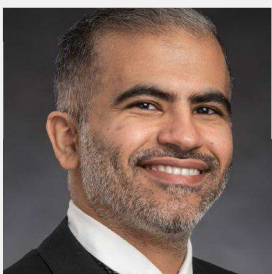


Rickul Varshney, MD



Tobial McHugh, MD

FELLOW



Mahmoud Alreefi, MD

HIGHLIGHTS

Dr. Tewfik is the founding member of the Type 2 Inflammation Multidisciplinary Group, with the participation of ENT, Respiriology, and Allergy + Immunology at the Glen. The group is lobbying for the creation of a combined clinic offered once a month for reviewing the most challenging shared patients.



Dr. Tewfik is also the course director for the North American Masterclass in Endoscopic Sinus Surgery: The fifth edition and its 10-year anniversary will take place this coming October 2023.

After a 2-year hiatus brought on by the pandemic, the Quebec Resident Sinus Course was held once again in April 2022 here at McGill, where it was originally created. This course continues to invite R2-3 residents and rhinology staff from all four Quebec university ENT faculties for a dissection course, held annually, at the four different sites on a rotating basis.

Dr. Tewfik is co-Chair of the Royal College examination committee for otolaryngology - head and neck surgery and is a member of the specialty committee for OTL-HNS as well as for the Royal College of Physicians & Surgeons of Canada.



Dr. Tewfik was featured in various news media pertaining to COVID-19, its symptoms and effects.

2022-06-20 CTV News interview on the potential genetic risk factor for loss of smell and taste with COVID-19

2022-06-16 CTV News online: For some long COVID patients, the return of their senses is gag-inducing

<https://www.ctvnews.ca/health/coronavirus/for-some-long-covid-patients-the-return-of-their-senses-is-gag-inducing-1.5950108>

2022-01-29 Entrevue AMI-Télé sur l'anosmie associé à la COVID-19

HIGHLIGHTS

Dr. Tewfik is the Principal Investigator and Dr. Frenkiel is Sub-Investigator for two ongoing Phase 3 studies:

- WAYPOINT, sponsored by AstraZeneca, studying the efficacy of Tezepilumab in CRSwNP.
- ORION, sponsored by Sanofi, studying the efficacy of Dupilumab in CRSsNP.

Both MDs are also involved in the startup of two other studies:

- EVEREST, sponsored by Sanofi, Phase 4 study comparing Dupilumab to Omalizuma in CRSwNP.
- BIRCH, sponsored by Insmmed, Phase 2b study investigating Brensocatib in CRSsNP.



Dr. Lamiae Himdi is the team lead of a community/rhinology rotation at Notre-Dame and Sacré-Coeur hospitals; a 8-12 week rotation intended for third year residents. The resident spends 4-5 days a week with the majority of cases rhinology-related (FESS, septo, septorhino). Hôpital Notre-Dame received a grant of \$5 579.00 in support of this community rotation.

In October 2022, the Congrès Annuel des ORL du Québec was held in Montreal. A panel led by Dr. Lamiae Himdi highlighted the continued (40 years plus) support and presence of McGill otolaryngologists in the Nunavik area and our ongoing commitment towards the care of Inuit patients.

Dr. Joseph Schwartz is a member of the Awards Committee and the Education Committee of the American Rhinologic Society.

Under the direction of Dr. Rickul Varshney, an endoscopic sinus surgery program was developed at the Lakeshore General Hospital introducing new technologies for diagnostic and therapeutic procedures. Sinus surgery training is provided to our senior residents and McGill students rotate with the ENT Lakeshore team throughout the year as well. Dr. Varshney is a member of our Resident Program Committee as well as a voting member of the Competency Committee.

GRANTS

2021-2023

Meilleures pratiques de réadaptation pour la clientèle ayant des troubles de l'odorat et du goût suite au COVID-19. Développement et exploration des effets d'une intervention novatrice.

PRINCIPAL INVESTIGATOR:

Frédérique Poncet

CO-INVESTIGATORS:

Johannes A Frasnelli, Marc Tewfik, Aurélie Houle, Lyne Boissonneault, Nathalie Farley, Perrine Ferre, Fanny Lecuyer, Myrian Grondin

FUNDING SOURCE:

Réseau provincial de recherche en adaptation-réadaptation (REPAR), supported by the FRQS.

AMOUNT: \$50 000

2016-2023

Endoscopic Polypectomy Performed in Clinic for Chronic Rhinosinusitis with Polyps: The EPIC Multicentre Randomised Controlled Trial

PRINCIPAL INVESTIGATOR:

Shaun Kilty (Nominated), Dean Fergusson

CO-INVESTIGATORS:

Arif Janjua, John Lee, Kristian MacDonald, Eric Meen, Damian Micomonaco, Brian Rotenberg, Luke Rudmik, Leigh J Sowerby, Marc Tewfik, Kednapa Thavorn

FUNDING SOURCE:

Canadian Institutes of Health Research (CIHR)

AMOUNT: \$ 240 818



SPECIALTIES: **OTOLOGY/NEUROTOLOGY**

This youngest section of the department is making significant strides in establishing McGill's local, national and international leadership role in the field of otology and neurotology. Our members are highly skilled and prolific at clinical, surgical, research and educational levels. Our mission is to combine our skills and efforts into a practice dedicated to healing those affected by hearing loss, infections, and tumours; to give patients back their connection to the world by restoring their hearing.

CLINICAL TEAM



Tamara Mijovic, MD
Division Lead



Anthony Zeitouni, MD



Jamie Rappaport, MD



Emily Kay-Rivest, MD

SCIENTIFIC TEAM



Alexandre Lehmann, PhD

HIGHLIGHTS

After years of hard work, our vision of having a cochlear implant program in Montreal was realised in 2022 when the McGill University Health Centre (MUHC), with its partners, became the second cochlear implant point of service in Quebec. The hearing impaired and deaf population, living in the western part of the province, both adult and pediatric, are now able to be treated in Montreal by a full team of bilingual hearing professionals. Our colleagues from the Université de Montréal

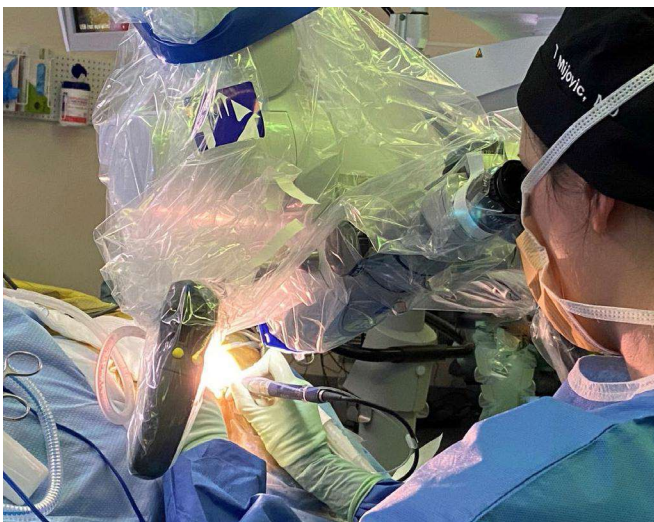
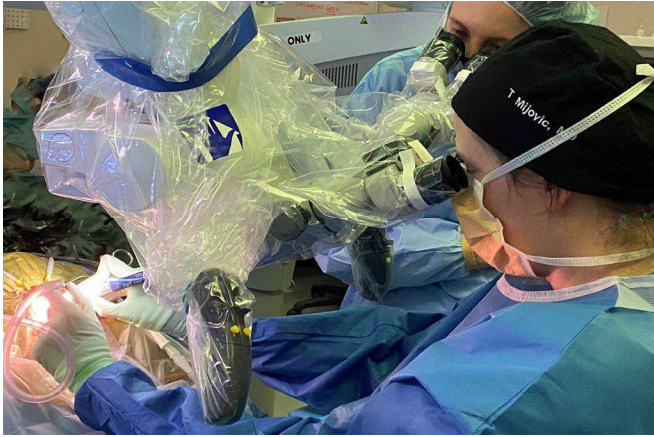
are an integral part of the team of surgeons contributing to the care of our cochlear implant clientele. The Lethbridge-Layton-Mackay Rehabilitation Centre of the CIUSSS Centre-Ouest-de-l'Île-de-Montréal and the Centre de réadaptation en déficience physique Raymond-Dewar (IRD) of the CIUSSS Centre-Sud-de-l'Île-de-Montréal are contributing partners as well in the care trajectory for our patients.



Under the leadership of Dr Tamara Mijovic (adult) and Dr Mélanie Duval (pediatrics), the first cochlear implant candidates were welcomed for evaluation at the MUHC in October 2022 with first surgeries performed in January 2023. Our mandate is to provide 154 cochlear implants per year at the MUHC.

Our newest member to the team, Dr. Kay-Rivest, was an invited speaker for the Annual New York University Cochlear Implant and Endoscopic Ear Surgery Course in November 2022. The event was attended by several of our residents and staff including Dr. Duval and Dr. Mijovic who were at the time preparing for the first cochlear implant surgeries in Montreal.

HIGHLIGHTS



Our research team is now ramping up efforts to collaboratively build on the clinical pole of McGill's CI research program so that every patient benefits from the latest discoveries and best practices in the field. The goal of our research program is to improve outcomes of implantation and rehabilitation therapies and to understand fully the factors that promote or inhibit recovery of function. Complementary expertise from our team combines otolaryngology, audiology, and cognitive neuroscience with state-of-the-art brain imaging. A close collaboration between researchers, clinicians, and rehabilitation centres facilitates the translation of research results into new clinical applications. We are using cutting-edge neuroimaging with advanced experimental paradigms to study auditory perception, sensory integration, and brain re-organization. Key collaborations with internationally recognized experts testify to the excellence of our research.

In 2022, we successfully implemented a cochlear implant clinical research database at the MUHC (IRB approval, REDcap platform up & running) and established a new research collaboration with Dr. Freitas at South America's largest clinical cochlear implant centre, Sao Paulo University, Bauru Campus.

Dr. Anthony Zeitouni is a co-investigator with Dr. Franco Lepore at the Université de Montréal for a large grant on cochlear implants and cognition, thus planning to integrate Dr. Vanessa Hadid as post-doctoral fellow to supervise in collaboration with the UdeM.

Dr. Zeitouni and Alexandre Lehmann, PhD received renewed funding from the Richard and Edith Strauss Foundation in the amount of \$85,000 in support of the McGill Cochlear Implant Research Program. Both investigators have contributed over many years to the CI Research Program and have trained graduate students with a focus on cochlear implant research.

Alexandre Lehman was awarded the FRQNT Research Incubator award for a pilot study on the effects of a plasticity-promoting compound on tonotopic map reorganization (\$10,000).

The cochlear implant program was highlighted in the media on several occasions. Some mentions:

<https://www.ledevoir.com/societe/sante/763989/sante-des-operations-d-implants-cochleaires-disponibles-a-montreal>

<https://www.tvanouvelles.ca/2023/01/31/une-premiere-chirurgie-dimplant-cochleaire-pratiquée-a-montreal>

For World Hearing Day 2022, Dr. Tamara Mijovic was interviewed by La Presse:

<https://www.lapresse.ca/actualites/2022-05-03/les-jeunes-de-plus-en-plus-a-risque-de-developper-des-problemes-auditifs.php>



HIGHLIGHTS

Our annual McGill Temporal Bone Drilling Course – a department tradition in simulation training, was held on March 14 and 15 at the Mendelsohn Laboratory. In the fall of 2022, we restarted a bi-monthly drilling session with the residents.

In October 2022, Dr. Mijovic presided over the Congrès Annuel des ORL du Québec that was held in Montreal. It was a successful teaching event that showcased the

expertise and bilingualism of several of our McGill staff, residents and alumni. A panel led by Dr. Lamiae Himdi highlighted the continued (40 years plus) support and presence of McGill otolaryngologists in the Nunavik area and our ongoing commitment towards the care of Inuit patients.

The otology team “Ear We Go” were winners of this year’s Annual JGH 5Km Race!



GRANTS

2020-2025

Neuroplastic Impacts of Hearing Augmentation on Cognitive Abilities

PRINCIPAL INVESTIGATOR:

Etienne De Villiers-Sidani

CO-INVESTIGATORS:

Sylvain Baillet, Nancy E. Mayo, Patrice Voss, Robert Zatorre, Anthony G. Zeitouni

FUNDING SOURCE:

Canadian Institutes of Health Research (CIHR)

AMOUNT: \$ 573 750

2019-2023

Neuroplastic Mechanisms Underlying the Pathophysiology of Tinnitus

PRINCIPAL INVESTIGATOR:

Etienne De Villiers-Sidani

CO-INVESTIGATORS:

Sylvain Baillet; Sylvie Hébert, Patrice Voss, Anthony G. Zeitouni

FUNDING SOURCE:

Canadian Institutes of Health Research (CIHR)

AMOUNT: \$ 413 101

SPECIALTIES: PEDIATRICS



45

The MCH provides comprehensive, patient and family-centered, interdisciplinary diagnosis and leading-edge treatment for congenital, and acquired complex health conditions of childhood. We are the largest pediatric otolaryngology division in the country. Our pediatric otolaryngologists provide high quality and evidence-based care for a variety of ear, nose, throat, neck and airway pathologies in children.

The otolaryngologists on our team have extra specialized training and expertise obtained in world renowned centres. We are leaders in tertiary interdisciplinary clinics of complex pathologies including: dysphagia, vertigo, otology, apnea, tracheo-esophageal anomalies, voice lab, velopharyngeal insufficiency, reflux, saliva management, cochlear implants and bone anchored hearing aid implants.



Sam Daniel, MD
Division Chief and
Associate Chair of
Pediatric Surgery

Melanie Duval, MD



Joshua Gurberg, MD



Lily Nguyen, MD

CLINICAL TEAM



Jeffrey Yeung, MD



Tobial McHugh, MD



John Manoukian, MD

Yolene Lacroix, MD



Robert Shapiro, MD

HIGHLIGHTS

Dr Mélanie Duval was nominated director of the Pediatric Cochlear Implant Program at the MCH. Through her hard work, dedication, and expertise, she was successful in the organisation and structuring of the team, clinical pathways, and patient trajectory.

Dr. Lily Nguyen had a very productive research year with seven original manuscript publications. She also continues to innovate in simulation and medical education and remains a leader in inter-professional team training for faculty (MUHC-wide).



Dr. John Manoukian is a mentor for many of his junior colleagues at the MCH and an expert resource for airway surgery. He is active in airway animal research at the McGill Otolaryngology Sciences Laboratory and continues teaching residents and fellows on complex airway problems.

Dr. Tobial McHugh is our division's clinician scientist, and chair of our research committee. He is currently enrolled in a Master of Science in Epidemiology program.

Clinically, Dr. McHugh is leading the first tertiary care centre for the management of pediatric anterior skull base pathologies. Most recently, a pediatric anterior

Dr. Jeffrey Yeung is a leader in quality improvement (QI) and is actively involved in many projects at the MCH. In 2022, he was interim director of the MDPEC MCH Safety Committee.

On the national level, Dr. Yeung is chair of the pediatric otolaryngology subspecialty committee of the CSO-HNS and a member of the QI subspecialty committee of the CSO-HNS. Dr. Yeung also sits on the surgical foundations competency committee for our department's residency committee.



skull base multidisciplinary clinic has been created. He is also building his skillset to grow our velopharyngeal dysfunction program.

Dr. Joshua Gurberg took on a new role in 2022 for McGill University, as medical director of the pediatric nurse practitioner program – this in addition to his role as director of undergraduate medical education for otolaryngology as well as member of the competency committee. His leadership in education and his superb mentorship skills earned him the appointment as director of undergraduate education for our division.

HIGHLIGHTS



Dr. Gurberg directs the pediatric vertigo clinic which saw its 100th patient this past year, making it one of the largest programs of its kind in the country. This clinic diagnoses and manages dizzy children in a multi-disciplinary fashion collaborating with the chronic pain clinic, mild traumatic brain injury program, audiology, and physiotherapy to provide the best care. The program received funding to build the most advanced balance testing laboratory in Canada.

Dr. Sam Daniel is the vice-president of the Canadian Society of Otolaryngology-Head & Neck Surgery and sits on the board of directors of the American Society of Pediatric Otolaryngology.



He remains very active as the director of the McGill Otolaryngology Sciences Laboratory supervising 5 MSc students and 1 PhD student. His research achievements include a prospective multi-center study on the performance of the Ponto Implant System using minimally invasive Ponto surgery.

Our multi-disciplinary drooling clinic was awarded the Prix de reconnaissance innovation du Conseil multidisciplinaire, Direction des affaires académiques CIUSSS in July 2022. International recognitions towards our salivary gland expertise included invited book chapters for Bailey's Head and Neck Surgery, Cummings Otolaryngology-Head and Neck Surgery, and KJ Lee's Essential Pediatric Otolaryngology. Dr Daniel was an invited speaker at the Cleveland Clinic for grand rounds, he lectured on "Thinking Outside the Box for Drooling and Dysphagia Treatment. He was also invited faculty for the Cincinnati Children's Hospital Airway Course. Other invited talks included "Avoiding Tracheostomy in Patients with Bilateral Vocal Cord Paralysis".



Dr Daniel received national recognition for his CPD Leadership Route achievements with a designated CPC(HC) credential awarded to him by the Coalition for Physician Learning and Practice Improvement.

EDUCATION

49

UNDERGRADUATE MEDICAL EDUCATION

During the 2022-2023 academic year, 137 students completed OTL-H+N Surgery rotations at the Royal Victoria Hospital, the Montreal Children's Hospital and Jewish General Hospital. Additional students rotated at the Gatineau campus. We also participated in the McGill summer program for international medical students for the first time, where there was a half day OTL-HNS module exposing 50 students from the gulf states to our wonderful specialty.



RESIDENCY TRAINING PROGRAM

Teaching Curriculum and Academic Excellence

McGill Otolaryngology is a leader in medical education, with multiple simulation courses devised to improve our residents' comfort level with various surgical procedures. Among others, a temporal bone drilling course is offered to residents every winter. We host the annual Endoscopic Sinus Surgery masterclass led by Dr. Marc Tewfik. Residents have weekly protected half days on Friday mornings, covering a broad range of otolaryngology topics. Additionally, we

hold weekly Grand Rounds, featuring visiting professors, subspecialty panels and journal club discussions on groundbreaking research. Our program follows the CBME (competency based medical education) approach. An additional strength of our program is the rich informal teaching we benefit from throughout our clinical rotations, working alongside dynamic and highly knowledgeable staff who love to teach and are actively involved in our learning.

EDUCATION

Surgical Volume and Exposure

McGill Otolaryngology is a well-balanced surgical program, with great exposure across all Otolaryngology subspecialties. We serve a broad patient population with complex and challenging pathologies, allowing ample hands-on experience to train highly skilled surgeons comfortable with a wide range of surgical procedures, ranging from simple “bread-and-butter” procedures to intricate subspecialty otolaryngology surgeries.

More recently, we built ties with other centres and implemented a new 3-month community rotation jointly with Sacré-Cœur Hospital and Notre Dame Hospital to provide a community rotation that exposes residents to four days a week of hands on surgical exposure to these

types of community based cases. Feedback from this new rotation has been outstanding. We also increased the amount of community electives available to PGY4 residents by one extra month.

In addition, we have increased the amount of surgical exposure to northern Quebec’s indigenous community where many tympanoplasties are performed. In the past, we had two otology staff go twice a year and bring residents and we have now increased that to three staff (two extra weeks per year). This was previously the biggest exposure to tympanoplasty, and we essentially increased this exposure by 50%.



Research

Our program is highly supportive of residents wishing to lead or be involved in impactful research endeavors. We benefit from both formal and informal mentorship from well-respected academic leaders in our field, 3 months of dedicated research rotations and funding for presentations at national and international conferences. Additionally, a newly founded basic science and research methodology course has been implemented in our junior year to further strengthen our foundational knowledge. Residents are encouraged to present their research projects at our Annual Resident Research Day.

Our Team

Perhaps the greatest strength of our program is the supportive and welcoming learning environment our team has created. We are a diverse, yet tight-knit community of trainees and faculty, who share a strong culture of mentorship both inside and outside of the hospital. We host frequent departmental events, including an annual outdoor gathering to welcome our junior residents and a weekend retreat in Mont-Tremblant featuring enriching talks on the latest updates in our field.

ONWARDS AND UPWARDS

CONGRATULATIONS TO OUR RESIDENTS AND FELLOWS
WHO GRADUATED IN 2022!

RESIDENTS

Mahmoud Alreefi, MD

Fellowship - Skull Base Advanced Rhinology
McGill University

Sena Turkdogan, MD

Fellowship - Head & Neck Oncology &
Reconstruction
University of British Columbia

FELLOWS

Grégoire Morand, MD

Mohannad Rajab, MD





McGill

Department of
Otolaryngology -
Head and Neck Surgery

Département
d'oto-rhino-laryngologie et de
chirurgie cervico-faciale