

UNIVERSITÉ DE MONTRÉAL RHINOLOGY AND ENDOSCOPIC SKULL BASE SURGERY FELLOWSHIP

1. Objective

To develop specialised knowledge of medical/surgical management of nasal and paranasal sinus disease and in investigation and endoscopic management of skull base lesions in individuals wishing to pursue a career in academic rhinology.

2. Justification

The preceptors at Université de Montréal, Drs Martin Desrosiers and François Lavigne are recognised internationally for their body of work on mechanisms and management of nasal and sinus disease. The affiliation of these two recognised experts into a common fellowship-training program offers a unique opportunity for advanced training by virtue of the combined expertise of the supervisors, the diversity of cases evaluated and treated, the structured teaching environment, and the integration with a basic science and clinical research program in sinus disease.

3. Eligibility

Candidates will be individuals having successfully completed an accredited otolaryngology residency who are interested in pursuing a career in academic rhinology.

Candidate selection will be via a process of application, with selection based on letters of recommendation, academic achievements, and personal interview

Candidates will have to be fluent in French and eligible for a training card from the College des Medecins.

4. Specific objectives:

At the end of training, the individual will have acquired skills and knowledge allowing him/her to develop and sustain an academic position in rhinology. This will be via the following means:

- Medical Rhinology: Investigation and medical management of nasal and sinus disorders
Teaching will be through exposure to common nasal and sinus problems presenting for care in tertiary level rhinology clinics with Dr Desrosiers and Lavigne. Exposure to two preceptors will maximise exposure and allow the candidate to see different approaches.

The fellow will attend specialized rhinology/base of skull clinics at least three half days per week. As well, he/she will be expected to staff one-half day clinic himself, with attending supervision/consultation. Having the fellow staff a clinic in rhinology will foster their professional development. This regular training will be complemented by exposures to allergy, radiology, and migraine clinics over the course of the year.

- **Surgical Rhinology:** The candidate will participate in pre, per and post operative management of patients presenting for surgery. It is expected that the fellow will have adequate surgical skills in endoscopic sinus surgery at the beginning of the fellowship thus emphasis will be on advanced techniques. The candidate's exposure will be tailored to ensure exposure to a broad selection of cases, with a focus on tertiary procedures. Surgery will be performed at the Hôtel-Dieu and Notre-Dame pavilions of the Centre Hospitalier de l'Université de Montréal

Successful integration of the fellow with resident staff will be achieved by having the fellow act as a resource for basic techniques, assisting and eventually guiding resident staff through uncomplicated procedures, while learning advanced techniques by performing more complex endoscopic procedure under direct supervision. This will allow unhampered teaching of resident staff, while helping foster the fellows academic and surgical development.

It is expected that the candidate will be exposed to sufficient volume of the following cases to develop a facility with them. Dr Desrosiers performs 200 sinus procedures per year, with an emphasis on tertiary-level cases. Dr Lavigne performs approximately 150 sinus cases per year and spends an additional 50 days per year performing combined or endoscopic base of skull cases with Neurosurgery. The candidate can expect to spend approximately two and a half days a week in the operating room. This should allow exposure to the following cases over the course of the year:

- ESS for anatomic anomalies
 - ESS for chronic rhinosinusitis
 - ESS for sino nasal polyposis
 - Frontal sinus outflow tract surgery
 - Revision ESS
 - ESS for benign tumours of the sinus and skull base
 - Endoscopic approaches to the skull base:
 - Biopsy/resection of benign neoplasms of the pterygopalatine and infratemporal fossas
 - Sphenoid sinus
 - Mucoceles
 - Biopsy and resection of benign neoplasms of the anterior and middle skull base areas
 - Orbital procedures:
 - Orbital decompression
 - Optic nerve decompression
 - Dacryocystorhinostomy (DCR)
 - Combined / Open approaches to the sinuses
 - Osteoplastic flap
 - Lateral rhinotomy
 - External rhinoplasty
 - Caldwell-Luc
 - Mid facial degloving
 - Image guided surgery for ESS
 - Complementing the above will be an anatomical dissection program held in the anatomic dissection/ surgical skills laboratory of the Université de Montréal.
- **Selected readings program**
The fellow will be furnished a list of selected readings. Additional resources and access to the medical literature is available via the Internet from the Centre Hospitalier de l'Université de Montréal and Université de Montréal libraries free of charge.

- An attendance at a national meeting
The preceptors will arrange to send the fellow to at least one major medical meeting during the fellowship year. This may be to present a paper or to attend a specialised conference.
- Teaching
The candidate will attend all normal activities of the department, including evaluation/follow up of hospitalised patients as required.
He/she will also:
 - Supervise residents in the OR
 - Organise and supervise grand rounds when the subject is rhinology.
 - Teach medical students/residents/community ENT's during organised teaching activities held by the department
- Research
While the primary objective of the experience is not to develop researchers, development of academic skills is important in this fellowship.

To this end the fellow will

1. Write a review paper (on a topic to be determined with the preceptors) early in the training period to develop research/writing skills.
2. Undertake and complete one clinical research project, which they will and present at a national meeting, and prepare the resulting article for publication

Participation in a collaborative project with a basic science effort will be according to orientation of the candidate.

Furnished

- No financial support is offered; however, the preceptors will furnish:
- Private office space with telephone and a computer with a high speed Internet connection
- Pager
- Malpractice insurance
- Sponsorship for attendance at a national meeting: (see above)
- Four week vacation

Please forward applications and inquiries to:

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