

McGill University
DEPARTMENT OF DIAGNOSTIC RADIOLOGY
COMBINED RESEARCH AND CLINICAL FELLOWSHIP IN
MUSCULOSKELETAL RADIOLOGY

Duration of training: 1 Year Fellowship Program

Name of Fellowship Director: Dr. Rehana Jaffer

Name of Program Director: Dr. Jana Taylor

Attending Staff: Drs. Assaf, Boily, Jaffer, Martin and Powell

The Department of Radiology of the MUHC offers a 1-year **Clinical & Research fellowship** in Musculoskeletal Radiology. The fellowship program offers exposure to clinical research in Musculoskeletal Imaging with a focus on oncological and outcomes research. The clinical component of the fellowship will expose the fellow to all areas of Musculoskeletal imaging including, MRI, CT, US, Intervention and consultations. The fellowship provides an integrated experience combining research, clinical care, and teaching. **Applicants must have completed at least one year of clinical fellowship/staff position in the field of Musculoskeletal Radiology.**

The MUHC adult hospitals comprise approximately 1,000 beds and perform approximately 250,000 radiologic procedures per year of which IR comprises approximately 5,000-6,000 procedures per year.

The Radiologic assessment of bone, joint and soft tissues pathology is a significant part of the Diagnostic Radiology Department. It is particularly important at the Montreal General Hospital where the Department of Orthopaedics, Oncology, Rheumatology, Sports Medicine and Emergency Medicine are very active and dynamic and where there is a large daily patient load. There is potential for research activity, much of which interfaces with Orthopaedics and Rheumatology practices. Fellows rotate at the RVH and MGH sites.

Clinical Fellowship

The fellowship is dedicated to *imaging of the joints and soft tissues*. The objective is to acquire as much experience and skills in ultrasound scanning and CT/MR interpretation as well as performing actual interventional procedures. It is often the imaging aspect of an interventional case that provides the real challenge not the technical placement of a biopsy needle. The emphasis on patient management remains important and is an integral part of the fellow's training. At the conclusion of the training, the fellow should be able to function autonomously as a radiology consultant in US scanning, CT and MR interpretation, as well as performing and managing interventional procedures.

The fellow functions as a junior attending and as such must be integrated into the *teaching team*:: Teaching the residents basic interventional procedures, teaching at the viewer in CT /MR as well as in ultrasound, giving teaching rounds, presenting progress of research projects should occur regularly. As well, the fellow will be involved with teaching of the ICM II Medical student series

EXPECTED CASE LOAD (daily)

CT: 10

MR : 10

US: 4

Procedures: fellow is expected to take charge of all MSK procedures in the department (MGH/RVH)

Page 2**Clinical/Research Fellowship - MSK****Research fellowship**

Protected research time (2 to 3 days) is provided for the candidate to be involved in research projects.

We require completion and publication of research projects, presentation of results at national and international meetings and published in leading peer-reviewed journals

ON CALL

The fellows rotate on the on-call list as junior staff. They are on-call, at home with a pager, and are a resource person for the resident on-call. Their expertise may be requested for ultrasound, CT/MR cases or interventional procedures. Whenever they are requested to perform a procedure, they must contact one of the staff radiologists who routinely rotate in intervention prior to performing the procedure. Expected call frequency is 1 week/4.

VACATION/CONFERENCES

The fellow is granted 4 weeks of vacation plus an additional week during either the Christmas or New Year's holidays. The fellow is also granted one week to attend a conference if he/she wished to do so. If he/she presents a paper at a major conference, the time of the conference is not counted against his/her conference or vacation time. In addition, he/she may request funding for expenses incurred to attend the meeting where he/she presents, provided that the research was done in the department of Radiology at McGill University.

Academic Facilities

- Internet access from all workstations and from fellow's office
- Access to libraries at MGH, RVH and McGill
- Multimedia learning materials available
- Free online journal access via McGill portal

Reading List

Bone and Joint Imaging-Resnick
 Radiology of Bone disease-Greenfield
 Musculoskeletal US-Van Holsbeeck
 Orthopedic Radiology -Greenspan
 MRI of the MSK System: Resnick, Dussault/ Kaplan