

McGill Orthopaedic Sport Medicine and Reconstructive Surgery

Name of Program Director: Dr Moreno Morelli
St. Mary's Hospital

Locations: St. Mary's Hospital; Lasalle General Hospital; Physician Private Office

Type of Fellowship: Surgical Fellowship emphasizing the arthroscopic and reconstructive techniques used to treat sports related injuries in recreational athletes.

Number of fellowship positions requested: 1

Name of hospital involved in training: St. Mary's Hospital

Research activity: Minimum 1 research project submitted for publication and/or presentation is mandatory.

Mission: Fellowship will ensure that trainees master the knowledge base, the surgical skills and the rehabilitative measures to optimally treat both recreational and competitive athletes.

Outline how intended fellowship will enhance residency training

Fellows will enhance resident education by direct OR teaching, functioning in an incremental fashion as the Fellow becomes more confident and comfortable arthroscopically. Fellows are responsible for journal clubs scheduled at St Mary's Hospital on a monthly basis. Fellows will choose the topic and the articles and assign them to the resident staff for presentation. Fellows will actively participate in weekly Grand Rounds and be called upon to examine and formulate a differential diagnosis and treatment plan in conjunction with the resident staff. Fellows are encouraged present a topic and didactically teach both residents and medical students. The fellow will also be responsible for helping to prepare resident academic half-day didactic teaching in Sports medicine and departmental Grand rounds at McGill. Additionally, we expect the trainees to complete at least one research project which will lead to publication.

Names of Teaching Faculty

Doctor Ryan Coughlin - Orthopaedic Surgeon; specializing in open and arthroscopic knee, shoulder and elbow surgery. Research interests in surgical education, PRP.

Doctor Ronald Dimentberg - Orthopaedic Surgeon; Chief of Orthopaedic Surgery, St. Mary's Hospital; specializing in arthroscopic and reconstructive knee

surgery. Interests in ACL fixation, Telerehabilitation, Arthroplasty Infection, cartilage restoration, osteotomy, multi ligament injured knee.

Doctor Christopher Haydon – Orthopaedic Surgeon; specializes in arthroscopic and reconstructive knee surgery. He has a particular interest in ligament reconstruction, cartilage preservation and restoration.

Doctor Jason Khoury - Orthopaedic Surgeon; specialized in arthroscopic and reconstructive knee and shoulder surgery.

Doctor Moreno Morelli - Orthopaedic Surgeon; Director Arthroscopic Surgery Fellowship, specialized in sports medicine, knee surgery, shoulder arthroplasty and arthroscopy. Interests in allograft reconstruction, biomechanics and rehabilitation of the injured athlete.

Academic Facilities

Outline facilities for clinical and academic pursuit:

The Sports medicine service clinical activities and its manpower across the MUHC and affiliated hospital are as follows:

St. Mary's Hospital Staff

Nine Orthopaedic Surgeons:

5 specializing in Joint replacement Arthroplasty

4 specializing in Arthroscopic Surgery

3-4 Orthopaedic residents at St. Mary's Hospital

1-2 Medical Students

Activities St. Mary's

Hospital OR:

The OR is divided into "sports" rooms and "arthroplasty" rooms, in keeping with the main focus of our Orthopaedic Division.

5 dedicated "sports" OR days per week Monday through Friday at St. Mary's Hospital

(5 dedicated Arthroplasty OR's. Given room overlap, the fellow will have additional exposure to knee, hip and shoulder arthroplasty)

1 dedicated Trauma room

Sports medicine Office:

Physician Private Offices

St. Mary's Orthopaedic Rounds

Every Wednesday 7:45 - 9:00 AM

McGill Orthopaedic Grand Rounds:

Every 2nd Thursday 7-8 AM at Shriners Hospital. Combined Rounds of all

surgical divisions across all McGill's Hospitals. Sports Medicine group/Fellow in conjunction with St Mary's Staff present a topic twice during the academic year.

Outpatient clinic responsibilities:

Fellows will attend clinics/offices 2 days per week. Fellows function as junior staff. As such, they will have patients scheduled for them to see and they must coordinate their schedule as the staff does. All patients will be reviewed by the attending Orthopaedic staff.

Library access, materials relevant to fellowship training and multimedia learning materials available

The fellow has full access to all Orthopaedic resource materials through the McGill Medical Library and the St. Mary's Hospital library. The Fellow can access all major Orthopaedic and Sports Medicine journals via McGill 's online access provided through St Mary's Library staff.

The fellow has direct access to materials in the St. Mary's Orthopaedic Resident Room, which includes an Arthroscopic Surgery, set up and dry lab.

Additionally, access is available to a vast library of peer reviewed Orthopaedic videos via the AAOS Orthopaedic Video Theater online.

Availability of a Skills lab if applicable

Each year, St. Mary's Sports Medicine, in conjunction with Conmed/Linvatec and a visiting guest faculty put on an Annual Arthroscopic Cadaver Course for residents and Fellows. During the morning session, the Fellow functions as a staff member teaching Arthroscopic set up, equipment management, diagnostic skills and basic triangulation skills to our junior (R2, R3) residents at 1 of 6 Arthroscopic cadaver stations. During the afternoon session, the Fellow learns and practices advanced Arthroscopic skills, which in the past have included meniscus repair, ACL reconstruction, rotator cuff repair and instability surgery.

Fellow Duties and Responsibilities

The Fellow will take "on-call" duty, one weekend per month at St Mary's Hospital along with one of the Sports Medicine staff. St Mary's is a level 3 trauma center with no polytrauma, no spine trauma no head injury trauma.

Include whether the fellow is the senior supervisor of residents

The fellows will function both as junior staff, but also as senior residents coordinating management of emergency and elective cases, emergency and outpatient consults, as well as supervising the residents in managing the in-patients on the service.

Outline whether there are fixed rotations at various institutions

The fellow is based at St. Mary's Hospital. The fellow will accompany the assigned Sports Medicine staff to their office/clinic and OR. This may include OR at a hospital or surgical center other than St Mary's. Schedules and assignments of the fellows would remain flexible and remain at the discretion of the fellowship director, in order to ensure that there is no conflict with other resident education and exposure.

Describe any support staff available to the fellow

There is a research coordinator at St Mary's Hospital who can help the fellow in his/her research endeavors. There is a research grant financial assistance available on a selective basis to submitted and accepted projects hospital wide.

There is some discretionary research assistance via the St Mary's Hospital Fellowship Fund. There is a fellowship/residency coordinator available to assist in University administrative needs.

The fellow will have 1 day per week set aside to work on a research project. The day is to be decided on a weekly basis.

Proposed meetings to be attended by the fellow

Fellows must attend the annual Montreal General Hospital and St Mary's Arthroscopy Courses. Fellows are also encouraged to attend one Sports Medicine meeting, e.g. the AANA General meeting, AOSSM Annual meeting, AAOS annual meeting with AOSSM or AANASpecialty day. Financial assistance may be available for this.

Research productivity and publications expected by the fellow

Fellows are required to submit at least one manuscript for publication as a requirement of their Fellowship.

Curriculum

Intended

caseload

Fellows are expected to perform or be 1st assistant in 400-600 cases

Intended percentage of varieties of cases

Arthroscopic Knee Surgery	40%
<i>Open Knee</i> Reconstructive Surgery	5%
Arthroscopic Shoulder Surgery	40%
Open Shoulder Reconstructive Surgery	10%
Other Joints and Trauma	5%

At the end of the fellowship, the fellow is expected to be proficient at:

Knee Arthroscopy

- **Performing a thorough diagnostic scope**
- **Performing debridement and meniscectomy**
- **Performing meniscal repair**
- **Performing chondral repair/restoration procedures.**
- **Performing single ligament and multiple ligament reconstruction (includes tendon harvest and preparation)**

Shoulder Arthroscopy

- **Performing a thorough diagnostic scope**
- **Performing intra-articular and subacromial decompression/debridement**
- **Performing arthroscopic shoulder stabilization**
- **Performing arthroscopic rotator cuff repair**

The fellow will be exposed to and get an appreciation for:

Open knee Surgery

- **Performing Tibial osteotomies for limb malalignment and patellar instability**

Open shoulder surgery

- **Total shoulder and reverse shoulder arthroplasty (primary and revision)**
- **Latarjet or equivalent**
- **Humeral head allografting for large Hill Sachs lesions**

Elbow surgery

- **Elbow arthroscopy – diagnostic and therapeutic**
- **Open elbow reconstruction**

Hip Arthroscopy

- **Patient positioning.**
- **Portal placement**
- **Debridement and reconstruction procedures.**