

McGill Paediatric Orthopaedic Surgery Fellowship

Primary Teaching Faculty

Dr. Reggie Hamdy Chief of Staff Shriners Hospital. Specialization: Limb deformity, Pediatric Hip disorders, Osteogenesis Imperfecta, Skeletal Dysplasias, and Arthrogryposis.

Dr. Jean Ouellet Assistant Chief of Staff Shriners Hospital. Specialization: Scoliosis.

Dr. Francois Fassier Emeritus Chief of Staff Shriners Hospital. Specialization: Osteogenesis Imperfecta, Bone Metabolic disorders, and Limb deformity.

Dr. Thierry Benaroch Site Director Montreal Children's Hospital. Specialization: Cerebral Palsy, Developmental Dysplasia Hip and Clubfoot.

Dr. Chantal Janelle. Specialization: Pediatric Upper Extremity and Sports Medicine.

Dr. Mitchell Bernstein. Specialization: Limb Deformity and Trauma.

Dr. Neil Saran, Fellowship Director Pediatric Orthopaedics. Specialization: Scoliosis and Adolescent Hip Preservation.

Hospitals

1. The Montreal Children's Hospital (MCH). The MCH is an acute care hospital offering services in all paediatric subspecialties. It is a level 1 trauma center for children. Pediatric orthopaedic clinical activities in this hospital consist of two operating days per week and a daily fracture clinic.
2. Shriners Hospital for Children (SHC). The SHC is an acute care children's hospital specialized in musculoskeletal conditions. Clinical activities in this hospital include elective surgeries and clinics in all pediatric orthopaedic subspecialties including general orthopaedics, pediatric hip, adolescent hip preservation, limb-length discrepancy, spina bifida, cerebral palsy and rhizotomy, hand and upper limb, spine deformities and scoliosis, amputee and prosthetics, and sports medicine.

All trauma cases are performed at the MCH as well as complex cases that may need special care or the intensive care unit. All elective outpatient visits and the majority of elective surgical cases are performed at the Shriners Hospital.

Program Overview

The McGill Pediatric Orthopaedic Surgery Fellowship offers a **one year** fellowship covering all aspects of pediatric orthopaedic surgery.

The fellowship is arranged in 3-4 month blocks whereby the fellow spends that entire block with a specific set of mentors. Each team consists of 2-3 staff members with whom the fellow then works during that rotation. The rotations are setup such that the staff combinations provide a complimentary experience overall. The rotations are setup to provide the fellow with approximately 2 days of clinic and 2 days of operative experience per week. Each week the fellow has ½ to 1 day available for study time and research.

The fellowship provides a wide-ranged exposure to all areas of pediatric orthopaedics. The fellow has ample opportunities to become proficient in clinically and surgically managing all aspects of pediatric orthopaedic including:

- Musculoskeletal trauma
- Musculoskeletal infection
- Pediatric hip pathologies (DDH, SCFE, Perthes...)
- Neuromuscular disorders
- Lower limb deformity
- Limb length inequality
- Upper extremity disorders
- Adolescent hip preservation
- Metabolic bone disorders
- Skeletal dysplasias

The McGill Pediatric Orthopaedic Fellowship also offers a **two year** fellowship. The two year fellowship is a combined clinical and research fellowship. It is divided into two parts. Part one is the same as the one year fellowship. Part two is a research year while maintaining some level of clinical activities. The time commitment during part two will be approximately 75% research and 25% clinical. This will allow the fellow to gain useful insight into the process of clinical or basic research while continuing to master the art of clinical pediatric orthopaedic surgery.

Fellowship Mission

The Pediatric Orthopaedic Fellowship is designed to ensure that by the end of the 12 or 24 month period, the trainee masters the clinical knowledge required to treat pediatric and adolescent patients with varying musculoskeletal disorders.

In addition to mastering Pediatric Orthopaedics, the Fellowship is intended to enhance residency training. One of the secondary roles of the fellow will be to

augment the resident learning experience by participating and providing didactic and hands-on teaching in the OR and clinic settings. Also, fellows are responsible for one formal teaching session with the residents every month to take place on a Wednesday or Friday morning.

Clinical Activities Schedule

ORs and Clinics

Ortho OR Days: Daily Ortho OR at SHC. Occasionally 2 Ortho ORs a day.

Spine OR Days

Mondays: MCH

Wednesdays: MCH and SHC

Thursdays: SHC

Fridays: occasional SHC

Clinics: Daily clinics available.

Formal rounds

Fracture Rounds

Mondays 07:00-08:00

Bedside Rounds

Tuesdays 06:45-07:15

Shriners Grand Rounds

Alternating Thursdays 07:00-08:30

Orthopaedic Grand Rounds

Alternating Thursdays 07:00-08:30

Indication and Postop Rounds

Thursdays 16:00-18:00

Resident Teaching

Wednesdays 07:00-08:00

Fridays 07:00-08:00

Duties and Responsibilities of the Fellow

Outpatient Clinic Responsibilities

Fellows are responsible to attend clinic in order to gain new knowledge as well as to share their knowledge and experience with staff and residents who are sharing clinical activities.

OR Responsibility of the Fellow

Fellows are responsible to attend OR in order to gain new knowledge as well as to share their knowledge and experience with staff and residents who are sharing OR activities.

Inpatient Responsibilities

The fellows will be responsible for daily rounding and perioperative care of their postoperative patients.

Call Responsibilities

The fellow will be required to cover first call approximately 1-2 times per month. They will be second on call once every 3 weekends.

Research Expectations

It is expected that each fellow will complete at least one clinical research project during the fellowship that will be presented at a national meeting and published in a peer-reviewed journal.

Objectives of the McGill Pediatric Orthopaedic Fellowship

The fellows are expected to be able to manage the following pathologies by the end of the fellowship:

- Basic and Complex fractures
- Musculoskeletal infections
- Congenital, acquired and developmental deformities of the hip, knee, and foot
- Leg length discrepancies
- Orthopaedic aspects of pediatric neuromuscular disorders
- Osteogenesis Imperfecta
- Benign musculoskeletal tumors Complex Limb deformity
- Adolescent Hip Preservation

The objectives of the two year fellowship include those listed above with the additional objective of acquiring skills necessary to do either clinical research or basic science research. The fellow will be required to submit at least two manuscripts for publication.