

Montreal General Hospital Arthroplasty Fellowship

Faculty:

Adam Hart, MD, Assistant Professor, McGill University (fellowship director)

Michael Tanzer, MD, Professor, McGill University

Duration:

The fellowship is for a 12 month term starting July 1st

Call:

The fellow is not required to take call.

Overview:

The Montreal General Hospital arthroplasty fellowship is a one-year mentorship-based program with emphasis on complex and revision arthroplasty within the division of orthopedic surgery. The fellow will be exposed to a large volume and variety of reconstructive surgical problems involving the hip and knee, as well as teaching, research, and leadership opportunities.

The fellow will perform preoperative consultations, take a leadership role in preoperative planning, participate actively in surgical procedures, and will be directly involved in postoperative patient care. Furthermore, the fellow will be active in specialty-specific educational conferences and clinical or basic science research projects.

This one-year clinical fellowship is intended to fully-trained and graduated orthopaedic surgeons worldwide. It starts on July 1st and ends on June 30th of the following year. The fellowship positions are competitive, based and attributed in September (about 18 months before the start). Preference is given to surgeons planning to work in an academic environment with or without a confirmed position. Only applicants with their files completed and validated by the McGill Post-Graduate Office prior deadline will be considered. Interviews may be done in person or teleconference.

The fellow will participate to data collection for multiple trials participation from patients such as functional assessment. Furthermore, he or she is expected to complete at least one clinical or basic science research project and to submit the manuscript for publication before completion

of the fellowship. Registration and travel expenses for presentation of a completed paper at orthopaedic meeting will be covered.

The fellowship includes 4 weeks of vacation and 10 meeting days. The fellow is not required to take call.

Description:

The Montreal General Hospital arthroplasty fellowship is a one-year mentorship-based training program with emphasis on complex and revision arthroplasty. The fellow will be exposed to a large volume and variety of reconstructive surgical problems involving the hip and knee, as well as teaching, research, and leadership opportunities.

The fellow will perform preoperative consultations, take a leadership role in preoperative planning (implant selection and templating), participate actively in surgical procedures, and will be directly involved in postoperative patient care. Furthermore, the fellow will be active in specialty-specific educational conferences and clinical or basic science research projects.

Fellowship objectives:

At the end of this training the fellow is expected to:

Understand the pathophysiology of common conditions leading to hip and knee arthritis (post-traumatic, osteonecrosis, inflammatory, structural, etc).

Perform a comprehensive evaluation including focused history and physical examination, interpretation of imaging, and ordering of pertinent investigations.

Become competent and fascicle with primary hip and knee arthroplasty.

Become proficient in the posterior, trans-gluteal, and direct anterior approaches for total hip replacement.

Have a sound exposure and understanding of different types of knee balancing, alignment, navigation, and partial replacements.

Evaluate a patient with a painful total hip or knee arthroplasty, derive a pertinent differential diagnosis, and order appropriate investigations accordingly.

Have an extensive exposure to complex and revision arthroplasty and develop the approach/skills to manage these cases.

Master the preoperative planning process including patient optimization, implant selection and templating. This includes active participation into the design of custom implants and necessary submissions for Health Canada approval.

Evaluate a young patient with a structural abnormality of the hip including dysplasia, femoroacetabular impingement, and common childhood disorders.

Become familiar with hip preservation surgery; indications and techniques.

Work effectively alongside medical students and residents with capacity to teach.

Communicate professionally with patients and their families and with the collaborating teams within or outside of the institution.

Expectations & Workload:

Attend and participate in clinics and ORs.

Participate in patient care on the ward and rounding.

Involvement in preoperative planning and templating.

Help supervise and teach residents and students on the service.

Help organize and participate in the journal club, arthroplasty rounds and other formal resident teaching such as seminars, hospital rounds and M&M rounds.

Participate actively to the many clinical and basic research projects. Approximately half of a day of protected time will be allocated for research each week. Projects will be supervised by Dr Tanzer and/or Dr Hart with bi-monthly research meetings.

Conduct a significant research project and presents results at national or international meetings and submit his work for publication.

Agree that acquisition of knowledge and skills for residents will have priority over the fellow. This is in accordance of the level and capacities of the residents.

Provide feedback of his rotation to the orthopaedic residency program director.

Evaluation of performance

The fellow will receive formal evaluations according to McGill policies in addition to face-to-face feedback on a regular basis to set objectives and monitor progress. These will be based on the CanMeds roles. These evaluations will be forwarded to the Program director after it has been discussed with the fellow. The fellow will also have opportunities to evaluate his fellowship with the Orthopaedic Residency Program.