

McGill Orthopaedic Oncology Fellowship Program

Length: 1 year

Number of positions: 2

Type of fellowship: Clinical

Fellowship Director: Dr Ahmed Aoude

After completion of a 12 months rotation in orthopaedic oncology the fellow will be able to:

1. Master the knowledge relating to most bone and soft tissue tumors including tumor classification, staging and prognosis
2. Master an oncology patient questionnaire and physical examination
3. Recognize the common symptoms and physical anomalies related to oncology patients
4. Describe the radiographic features characteristic of benign and malignant bone and soft tissue tumors
5. Outline a comprehensive differential diagnosis relating to bone and soft tissue tumors
6. Order the appropriate investigation and interpret the results
7. Master the principles of tumor biopsy and their applications
8. Have significant knowledge of specific tumor histology
9. Propose the treatment plan for specific tumors including the selection of the surgical procedure, chemotherapy and radiotherapy
10. Discuss in depth the indication, benefits and complications of the different reconstruction alternatives used in tumor surgery
11. Discuss in depth of the specific prognosis of MSK tumors accounting to staging, treatment and complication
12. Master the principles of treatment in metastatic bone disease including palliative care and pain control
13. Have significant notions about quality of life, function and health status for the MSK-oncology population
14. Identified and answer the specific needs of cancer patients including those at palliative stage.
15. Be able to show empathy, availability, support and compassion to patients and family
16. Improve their verbal communication

17. Gain exposure to the full spectrum of primary and complex reconstruction of the lower extremity (hip and knee arthroplasty) including preoperative care, patient and implant selection, operative and postoperative care.
18. Become proficient in the management of significant bone defects, periprosthetic fractures and periprosthetic joint infections in both the arthroplasty and oncology populations.

During this rotation the orthopaedic oncology fellow will be expected to:

1. Attend all tumor clinics and OR both at MGH and MCH
2. Be in charge of answering and treating all MSK tumor service consultations and in-patients at MUHC including the children.
3. Perform oncology questionnaire and physical examination of new and follow up patients and supervise and counter verify such performed by residents.
4. Outline the differential diagnosis, an investigation plan and treatment of patients with the staff person
5. Performed needle and open biopsies
6. Proceed to surgical treatment of benign bone and soft tissue lesions as well as metastatic disease or supervise resident of appropriate level of training in the execution of these.
7. Assist or proceed to the surgical management of malignant bone and soft tissue tumors
8. Be in charge of the Sarcoma tumor board and dictate the conclusion notes
9. Organize and participate to tumor journal club and other formal resident teaching such as seminars, hospital rounds and M&M rounds.
10. Participate actively to the many clinical and basic research projects
11. Conducts a significant research project on his own and presents results at national or international meetings
12. Attend the AAOS, COA and MSTs meetings.
13. Take calls correspondingly to Dr. Bozzo's and Dr. Aoude's call schedule
14. Manage his period off service to match the service level of activities

15. Agree that acquisition of knowledge and skills for residents will have priority over the fellow. This in accordance of the level and capacities of the residents.
16. Provide feedback of his rotation to the orthopaedic residency program director

Evaluation of performance

The fellow will receive formal evaluations according to McGill policies. These will be based on the CanMeds. 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 Director.