

ARTHROPLASTY SERVICE-LEVEL SPECIFIC OBJECTIVES

Off service residents

- 1) Medical expert:
 - Knowledge;
 - (a) knows the work-up of hip and knee osteoarthritis in the young adult
 - (b) knows the treatment options for hip and knee osteoarthritis
 - (c) knows the principle of work-up for metastatic disease with particular emphasis on the risk of fracture
 - (d) knows the principles of work-up of a primary sarcoma, including the principles of biopsy
 - (e) knows the principles of treatment for hindfoot and forefoot disorders with respect to biomechanics of the foot
 - Skills;
 - (a) able to distinguish referred pain into the extremities from the spine
 - (b) able to perform examinations of the hip
 - (c) able to perform an examination of the knee
 - (d) able to perform an examination of the foot and ankle
- 2) Communicator:
 - (a) recognizes the role of communication in fostering patient satisfaction and compliance
 - (b) demonstrates the ability to establish patient relationships characterized by trust, respect, empathy, and confidentiality
 - (c) elicits psychosocial information pertinent to the health of the patient
 - (d) understands the current consent legislation and the Canada Health Act
- 3) Collaborator:
 - (a) identifies and describes the role of all members of the health care team
- 4) Leader:
 - (a) demonstrates ability to access health care resources efficaciously
- 5) Advocate:
 - (a) recognizes and understands all of the psychological, social, and physical determinants of patient health
- 6) Scholar:
 - (a) demonstrates ability for self-directed learning
 - (b) demonstrates ability for critical thinking
- 7) Professional:
 - (a) writes organized and legible notes and orders
 - (b) maintains organized, clear, and accurate records
 - (c) demonstrates responsible patient referrals

PGY3

1) Medical expert-Knowledge:

- (a) knows the complications associated with hip arthroplasty including dislocation, leg length discrepancy, DVT, infection, and osteolysis
- (b) knows the basic and clinical science concerning cemented and cementless fixation and is able to provide a rationale treatment decision for the various prosthetic options
- (c) knows the clinical outcome for osteotomies, both at the hip and knee and also the role of vascularized grafting for avascular necrosis of the hip
- (d) know the arthritic and post-traumatic conditions of the foot and ankle
- (e) know the principles of treatment for a diabetic foot

-Skills:

- (a) able to work-up the painful ankle and foot
- (b) able to perform a great toe corrective osteotomy and / or correction of hammer toe
- (c) able to work-up both metastatic and primary sarcomas and apply the principles of biopsy

2. Communicator:

- (a) obtains informed consent using medical knowledge and awareness of current consent legislation and the Canada Health Act

3. Collaborator:

- (a) develops patient care plan with other health care providers

4. Advocate:

- (a) utilizes psychosocial support network for the patient

5. Professional:

- (a) stays up to date on complete and concise discharge summaries

PGY4

1) Medical expert:

-Knowledge:

- (a) has a management plan for osteoarthritis of the hip and knee with specific reference to the role of arthroscopy, osteotomy, unicompartmental replacement and total joint arthroplasty depending on the patient's age and functional demands
- (b) knows the role of allografts in revision hip surgery, both for the acetabulum and the femur and also the role for alternative fixation methods such as reinforcement rings or bipolar cups
- (c) knows the possible surgical pitfalls related to issues of exposure, bone loss, soft tissue deficiency and infection in revision arthroplasty
- (d) knows the principles for adjuvant therapy for tumors such as Ewing's sarcoma, osteosarcoma, and fibrosarcoma
- (e) knows the principles of limb salvage surgery with the pros and cons of allografts, rotationplasty, and tumour prosthesis

-Skills:

- (a) able to perform a primary total hip arthroplasty
- (b) able to perform a primary total knee arthroplasty
- (c) shows awareness of safety in the workplace and applies this information

- 2) Communicator:
 - (a) obtains informed consent using medical knowledge and awareness of current consent legislation and the Canada Health Act
- 3) Collaborator:
 - (a) develops patient care plan with other health care providers
- 4) Advocate:
 - (a) utilizes psychosocial support network for the patient
- 5) Professional:
 - (a) stays up to date on complete and concise discharge summaries

PGY5

- 1) Medical expert-Knowledge:
 - (a) knows the relevant anatomy, surgical approaches, operative and non-surgical treatments of arthritis of the lower extremity
 - (b) knows the expected outcomes and complications of elective primary and revision reconstruction procedures
 - (c) knows the treatment options for primary and metastatic tumors involving the musculoskeletal system
 -Skills:
 - (a) able to gather relevant patient information and use it to decide on whether reconstructive surgery is appropriate and if so what procedure should be recommended
 - (b) able to carry out primary as well as revision reconstructive surgery
 - © able to diagnose and treat primary and metastatic tumors involving the musculoskeletal system
- 2) Communicator:
 - (a) demonstrates the ability to put patient at ease and inspire confidence in the treatment plan
 - (b) provides efficient , authoritative consultation to the referring source
 - (c) able to make clear the role of surgery in the treatment plan to the other members of the health care team
- 3) Collaborator:
 - (a) understand the role of physiotherapy, medical treatment, and chronic pain management in dealing with the patient upper or lower extremity disease
- 4) Leader:
 - (a) understand the structure, financing, and operation of the health care system and function effectively within it
 - (b) make clinical decisions and judgements based on sound evidence for the benefit of the individual and the population served
- 5) Advocate:
 - (a) participate in public awareness of the resources necessary for maintaining the health and well being of the population
- 6) Scholar:
 - (a) demonstrate the ability to carry out lifelong learning
- 7) Professional:
 - (a) functions within their limitations
 - (b) continuously evaluates their knowledge, skills, and abilities
 - (c) knows and practices the legal and ethical codes to which physicians are bound