

TRAUMA SERVICE-LEVEL SPECIFIC OBJECTIVES

Off service residents

- 1) Medical expert:
 - Knowledge
 - a) understands the primary care assessment of fractures of the axial and appendicular skeleton
 - b) knows how to diagnose compound fractures, compartment syndromes, nerve and vascular injuries
 - c) knows the ATLS approach for polytrauma patients
 - d) knows how to describe the pattern of a fracture or dislocation
 - e) knows how to diagnose acute complications of trauma including DVT, pulmonary embolus, fat embolus, hypovolemia, and ileus
 - f) knows appropriate use of blood products
 - Skills
 - a) able to apply casts and splints
 - b) able to reduce distal radius fractures and dislocations of the shoulder and ankle
 - c) able to examine the limb with a fracture
 - d) able to explore and debride open wounds
- 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 mechanisms, patterns, and management strategies, healing and complications of common fractures and dislocations of the axial and appendicular skeleton

- c) knows the management of compound fractures
 - Skills
 - a) able to apply ATLS protocol in the multiply injured patient
 - b) able to carry out operative internal and external fixation of simple fractures
 - c) able to perform bone grafting, fasciotomy, and wound debridements
- 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) knows the mechanisms, patterns, and management
 - b) strategies, healing and complications of complex fractures and dislocations of the axial and appendicular skeleton
 - c) knows the treatment of complications of trauma including vascular and nerve injuries, compartment syndromes, osteomyelitis, non union and malunion
- Skills
 - a) able to carry out operative internal and external fixation of complex fractures
 - b) able to perform surgical reconstruction for complications of fractures
 - c) fractures
 - d) shows awareness of safety in the workplace and applies this information

2) Communicator:

- a) dictate well organized clinic letters offering clear direction to the referring physician

3) Collaborator:

- a) participate as an active member in the health care team to deliver seamless comprehensive care

PGY5

1) Medical expert:

- Knowledge
 - a) knows how to assess and resuscitate the multiply injured
 - b) patient with both musculoskeletal and non Orthopaedic injuries
 - c) knows the principles of bone and soft tissue management in compound fractures
 - d) knows how to manage fractures with associated nerve and/or vascular injury
 - e) knows the basic science including anatomy, surgical approaches, and physiology pertaining to the treatment of fractures and dislocations of the axial and appendicular skeleton
 - f) able to decide on optimal form of treatment for fractures and dislocations of the axial and appendicular skeleton
 - g) knows how to treat complications of fractures and how to minimize their occurrence
- Skills
 - a) able to perform emergency resuscitation as per the ATLS protocol
 - b) able to carry out closed reduction and cast immobilization of appropriate fractures and dislocations
 - c) able to carry out operative treatment of appropriate fractures and dislocations
 - d) able to apply skeletal traction to appropriate fractures
 - e) able to reconstruct fracture malunions and non unions

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 musculoskeletal injured patient

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