

SPINE SERVICE-LEVEL SPECIFIC OBJECTIVES

Off service residents

(a) Medical expert:

- Knowledge
 - (a) knows the natural history of disc herniations, spinal stenosis,
 - (b) spinal fractures, infections, degenerative disease, and deformities
 - (c) knows the treatment options for disc herniations, spinal stenosis, spinal fractures, infections, degenerative disease, and deformities
- Skills
 - (a) demonstrates the ability to take a history and physical examination specific to spinal stability and neurologic function
 - (b) understands the meaning of reports on spinal imaging, neurodiagnostic testing, and bloodwork
 - (c) practices sterile technique in the O.R.
 - (d) able to suture skin and drains
 - (e) able to recognize medical and surgical complications of an operation
 - (f) able to recognize medical and surgical emergencies

(b) 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

(c) Collaborator:

- (a) identifies and describes the role of all members of the health care team

(d) Leader:

- (b) demonstrates ability to access health care resources efficaciously

(e) Advocate:

- (a) recognizes and understands all of the psychological, social, and physical determinants of patient health

(f) Scholar:

- (a) demonstrates ability for self directed learning
- (b) demonstrates ability for critical thinking

(g) 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 pathophysiology of disc herniations, spinal
 - (b) stenosis, spinal fractures, infections, degenerative disease, and deformities
 - (c) knows the anatomy of the spine

- Skills
 - (a) able to analyze spinal imaging and interpret neurodiagnostic testing results
 - (b) demonstrates the ability to position patients for anterior and posterior exposure of the cervical, thoracic, and lumbosacral spine
 - (c) able to perform exposures of the posterior cervical, thoracic, and lumbosacral spine
 - (d) able to treat medical and surgical complications of an operation
 - (e) able to treat medical emergencies
- 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:
 - (b) utilizes psychosocial support network for the patient
- 5) Professional:
 - (c) stays up to date on complete and concise discharge summaries

PGY4

- 1) Medical expert:
 - Knowledge
 - (a) understand psychosocial contribution to the results of spinal surgery
 - Skills
 - (a) be able to perform a posterior discectomy, laminectomy, and anterior exposure of the cervical, thoracic, and lumbar spine
 - (b) be able to recognize anticipated and unexpected circumstances requiring intraoperative decisions
 - (c) 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:
 - (b) participate as an active member in the health care team to deliver seamless comprehensive care

PGY5

- 1) Medical expert
 - Knowledge
 - (a) understands the basic science and natural history of spinal diseases in order to have a rational basis for recommendation of treatment modalities to their patients
 - Skills
 - (a) able to conduct a history and physical to decide on appropriateness of the patient for spine surgery
 - (b) able to combine information from the clinical assessment and investigations to reach a diagnosis and recommend treatment
 - (c) understands the limitations of spine surgery and apply this knowledge in their treatment of the patient
 - (d) has the technical skill to carry out reconstructive procedures on the anterior and posterior elements of the cervical, thoracic and
 - (e) lumbosacral spine
 - (f) able to make anticipated and unexpected intraoperative decisions
 - (g) able to treat surgical emergencies
- 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) understands the role of physiotherapy, medical treatment, and chronic pain management in dealing with spinal disorders
- 4) Leader:
 - (a) understands the structure, financing, and operation of the health care system and function effectively within it

(b) makes clinical decisions and judgements based on sound evidence for the benefit of the individual and the population served

5) Advocate:

(a) participates in public awareness of the resources necessary for maintaining the health and well being of the population

6) Scholar:

(a) demonstrates 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