

Queen's University
Department of Surgery – Surgical Foundations
Rotation Specific Goals and Objectives

Neurosurgery

The resident is expected to be able to describe the rotation specific objectives prior to or at the commencement of the rotation.

Medical Expert/Clinical Decision Maker

Knowledge: Basic Science and Anatomy

- demonstrate a sound understanding of neuroanatomy and neurophysiology

Knowledge: General Clinical

- demonstrate and interpret a complete neurologic examination

Knowledge: Specific Clinical Problems

- demonstrate a clinical assessment, radiological assessment and treatment guidelines for closed head injury
- demonstrate a clinical assessment, radiological assessment and treatment guidelines for spinal injury
- demonstrate an understanding of the causes of acute stroke (ischemic and hemorrhagic) and the therapeutic alternatives of each
- outline the pathophysiology of increased intracranial pressure and therapeutic alternatives
- outline the basic assessment and treatment alternatives for cervical and lumbar spine degenerative disease.

Knowledge: Technical Skills

- demonstrate technical competence in:
 - application of cervical tongs
 - lumbar puncture

Communicator

- the resident is to communicate with fellow core residents, attending staff, and emergency physicians in a collegial manner
- the resident is able to communicate with patients and their families in a professional manner
- communicates with nursing staff and all paramedical staff in a courteous and professional manner
- the resident will adequately document patient care encounters in the chart and dictate operative reports and discharge summaries in a concise and timely fashion
- demonstrate effective consultation skills in presenting well-documented assessments and recommendations in written and/or verbal form in response to a request from another health care provider.

Collaborator

- demonstrate effective consultation services with respect to patient care, and education. These include rehabilitation medicine, physiotherapy, occupational therapy, and dietitians.
- demonstrate the ability to work as part of a service housestaff team in a collegial manner

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- recognize that complex patient problems require a multidisciplinary approach

Leader

- selects medically appropriate investigative tools in a cost-effective, ethical and useful manner
- completes daily tasks in a efficient and timely fashion
- supervises junior housestaff appropriately in patient care

Health Advocate

- demonstrate an ability to identify risk factors that predispose to or worsen established pathology

Scholar

- access and apply relevant information to clinical practice including new and current therapeutics options
- uses an evidence based medicine approach to solve problems encountered in the day to day care of patients
- attend and participate in the weekly educational rounds
- teaches junior housestaff and medical students in a constructive and respectful manner

Professional

- demonstrates honest and ethical behavior throughout the rotation
- interact with patients, families, nurses and other health care personnel in a professional manner with appropriate attitudes in dealing with patients with abdominal or alimentary tract problems
- respect all opinions of health care workers as well as the patient and their family constantly evaluate her/his knowledge, skills and abilities, and recognize the limits of her/his professional competence