CanMEDS Rotation Objectives – Neurosurgery
RCPS Emergency Medicine Residency Program
Department of Emergency Medicine
University of Alberta

*While all objectives may not be accomplished in a single rotation, the aim is for the resident to actively seek learning opportunities to fulfill these objectives while on a particular rotation. Many of these objectives will overlap with other rotations. By the end of the residency program, all objectives should be covered.

Medical Expert
The learner should:

- Develop clinical assessment skills of the neurosurgical patient
- Recognize neurosurgical emergencies
- Develop an understanding of the principles of head trauma
- Develop an understanding of the principles of spine trauma
- Develop an understanding of the principles of intracranial pressure
- Develop an understanding of the principles of non-traumatic intracranial hemorrhage
- Develop an understanding of the indications for diagnostic imaging
- Develop an understanding of the principles of brain death

The learner should gain competence in the following technical skills:

- Assessment of shunt function
- Control of raised intracranial pressure
- Airway management in the setting of raised intracranial pressure

Communicator
The learner should develop communication skills to:

- Communicate effectively with patients and families
- Demonstrate empathy for critically ill patients and their families
- Keep accurate and efficient records

Collaborator
The learner should strive to:

- Recognize the roles of and interact effectively with other physicians and health care workers

Leader
The learner should strive to:

- Develop awareness of appropriate use of health care resources
- Develop team leadership skills

Health Advocate
The learner should strive to:

- Develop an awareness and respect for patient wishes
- Understand when and how to advocate appropriate on behalf of patients
- Understand the determinants of health and their impact on patients
**Scholar**
The learner should develop:
  - Proficiency in critical appraisal of the neurosurgical literature
  - The ability to apply current literature into daily practice

**Professional**
The learner should:
  - Demonstrate integrity and honesty
  - Demonstrate compassion and respect in all patient encounters
  - Learn and apply ethical principles appropriately
  - Be aware of personal limitations and seek assistance when appropriate