

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

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*\*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