I. Purpose:

The purpose of this document is to broadly define the content of the core knowledge and principles to be mastered during rotation of resident on Neuro-Oncology services.

II. Core Curriculum:

A. Definition of sub-specialty:

Neuro-Oncology is a specialty which involves the management of primary and metastatic central and peripheral nervous system neoplasms; neurologic complications of cancer and related disorders; and neurologic complications of therapy utilized in such patients.

B. Core Content and Knowledge Base:

Rotations of residents in Neuro-Oncology during training programs will have the following goals:

1. Residents should gain a basic knowledge which may include but not be necessarily limited to the following:

   a. Basic familiarity with the common primary nervous system malignancies, including:

      • Recognition of common clinical presentations for the different common primary brain tumors.
      • Ordering of appropriate diagnostic testing or consultations.
      • Common therapeutic interventions, in particular acute or emergent supportive care measures.

   b. Basic familiarity with basic principles of diagnosis and management of metastatic cancer to the nervous system including:

      • Brain and spinal cord metastasis
      • Neoplastic meningitis
      • Epidural cord compression
• Nerve and plexus metastasis

c. Basic familiarity with diagnosis and management of cancer related neurologic complications including:

• Encephalopathy
• CNS infections
• Cerebrovascular disease
• Seizures
• Increased intracranial pressure
• Basic palliative and end-of-life management principles pertaining to neuro-oncology
• Recognition of neurologic complications of radiation, chemotherapy and other cancer therapeutics