

**American Academy of Neurology
Neuro-oncology Section
Residency Core Curriculum**

10/01/01

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