

Neuro-Oncology Certification Examination Content Outline

The UCNS Neuro-Oncology (NO) examination committee was established to determine the level of competence for NO specialists.

The following content outline is provided to examination candidates interested in the certification examination. The content outline consists of four primary categories followed by subcategories. The written examination consists of 200 multiple choice questions.

<u>Content Area</u>	<u>Percentage of Questions</u>
I. Adult Primary Nervous System Tumors	35%
II. Pediatric Primary Nervous System Tumors	25%
III. Metastatic Cancer to the Nervous System	15%
IV. Systematic Cancer-Related Neurologic Disorders	25%
I. Adult Primary Nervous System Tumors	
A. Diagnostic Methods	
1. Clinical history and examination	
2. Laboratory	
3. Neuroimaging	
4. Neuropathologic	
5. Other neurodiagnostic procedures	
B. Therapies	
1. Standard and experimental	
2. Medical neuro-oncologic therapeutics	
II. Pediatric Primary Nervous System Tumors	
A. Diagnostic Methods	
1. Clinical history and examination	
2. Laboratory	
3. Neuroimaging	
4. Neuropathologic	
5. Other neurodiagnostic procedures	

- B. Therapies
 - 1. Standard and experimental
 - 2. Medical neuro-oncologic therapeutics

III. Metastatic Cancer to the Nervous System

- A. Metastases
 - 1. Brain and spinal cord
 - 2. Base of skull
 - 3. Leptomeningeal
 - 4. Epidural
 - 5. Plexus and peripheral nerve
 - 6. Spinal Cord Compression

IV. Systemic Cancer-Related Neurologic Disorders

- A. Disease/Infections
 - 1. Toxic, nutritional and metabolic encephalopathy
 - 2. CNS and systemic infections
 - 3. Cerebrovascular disease
 - 4. Use of blood products and growth factor support
 - 5. Paraneoplastic syndromes

- B. Complications/Adverse Events
 - 1. Adverse events and reactions to surgical, medical, and radiation treatment of neuro-oncology patients
 - 2. Seizures
 - 3. Increased intracranial pressure
 - 4. Deep venous thromboembolism
 - 5. Neutropenia, thrombocytopenia, anemia and related complications
 - 6. Neuro-oncologic complications of bone marrow transplantation
 - 7. Pain and headache management
 - 8. Palliative and end-of-life care

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