Everything Neuro

Course Description

This course provides healthcare professionals with a foundation of correlative neuro anatomy and physiology as it pertains to the neurological patient and his or her assessment. We will provide an overview of the pathophysiological processes and complications encountered in the neurologic patient. Clinical assessment findings will be discussed, as well as various etiologies that contribute to these conditions. An in-depth review of traumatic brain injuries, strokes and brain tumors will be provided, as well as the treatment modalities for each. The focus is on current management according to evidence-based guidelines.

Key Learning Outcome

- After completing the program, 80% of participants will report an increase in knowledge that will positively impact their practice.

Program Objectives

This program prepares the learner to:

- Correlate the neurologic patient assessment to anatomy and physiology.
- List the evidence-based management strategies for the discussed neurological injuries and diseases.

Agenda

Sign-in begins at 7:30 am. Each day includes a one-hour lunch (on your own), as well as a morning and afternoon break of 15 minutes each. The order of lectures presented and break times may vary according to speaker preference.

Day 1, 8:00 am to 4:30 pm

Anatomy and Physiology
Meninges | CSF Productions and Circulation | Cortical Lobes and Subcortical Areas of the Brain | Brain Stem

Neurological Assessment
Level of Consciousness | Motor Responses | Pupillary Assessment | Cranial Nerve Assessment | Brain-Stem Reflexes | Comatose Patient

Brain Tumors
Classification | Prognosis of Common Tumors | Presentation of Supra- and Infratentorial Tumors | Intraoperative Management with Debulking, Radiation Beads and Chemotherapy Wafers

Traumatic Brain Injury
TBI Mechanism of Injury | Skull Fractures | Epidural and Subdural | Primary and Secondary Injury | Anoxic Brain Injury | Management of Elevated Intracranial Pressure

Spinal Cord Mechanism of Injury
Incomplete Cord Injuries | Clearing C-spines | Emergency Management | Spinal Shock, Neurogenic Shock and Au tonomic Dysreflexia

Agenda

Day 2, 8:00 am to 4:00 pm

Stroke Management
Risk Factors | Stroke Physiology and Symptoms | Primary and Secondary Stroke | Fibrinolytic Therapy and Management Issues

Cerebral Aneurysms
Cerebral Aneurysms, Symptoms, Risk Factors, Complications and Management | Classification of Severity of SAH | Management of Aneurysm, Complications and Vasospasm Management Issues

Infectious Disease in the Neurological Patient
Bacterial Meningitis | Viral Meningitis | Neurocystercerosism Abscess | Encephalitis

Seizures
Seizure Classification | Risk Factors | Pharmacologic Management | Assessment | Treatment of Status Epilepticus

Common Fluid and Electrolyte Disorders
Diabetes Insipidus | SIADH | Cerebral Salt Wasting

Accreditation

RN/LPN/LVN/Other: 13.5 Contact Hours

MED-ED, Inc is accredited as a provider of nursing continuing professional development by the American Nurses Credentialing Center's Commission on Accreditation (**ANCC**).

MED-ED, Inc. is an approved provider by the following State Boards of Nursing: **Florida**/FBN 50-1286, **Iowa**/296, **California** #CEP10453.

If your profession is not listed, we suggest contacting your board to determine your continuing education requirements and ask about reciprocal approval. Many boards will approve this seminar based on the accreditation of the boards listed here.