

## STUDY POINTS

# Neurology Module

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*MyEMCert study points can be used to focus areas of study and preparation. The study point does not contain specific information that would lead you to the diagnosis or correct answer but would instead direct you to learning and reference materials.*

### Neurology Module Study Points

#### Altered Consciousness and Mentation

- Diagnostic evaluation and treatment of altered mental status
- Treatment priorities in adults with altered mental status
- Diagnostic approach to- and causes of altered mental status in geriatric patients
- Diagnostic evaluation of confusion

#### Children

- Diagnostic approach and treatment of the lethargic infant
- Evaluation and treatment of a Brief Resolved Unexplained Event (BRUE)
- Presentation and recognition of child abuse

#### Weakness and Vertigo

- Diagnostic evaluation and treatment of weakness
- Causes of generalized weakness
- Diagnostic evaluation and treatment of vertigo
- Performance of the Dix-Hallpike test (including indications for use)
- Differentiation of central versus peripheral vertigo
- Recognize nystagmus associated with central vertigo

#### Seizure

- Diagnostic evaluation and treatment of seizures (including first-time seizures)
- Diagnostic evaluation and treatment of status epilepticus (including refractory status epilepticus)
- Treatment of breakthrough seizures

## **Syncope**

- Causes of syncope
- Diagnostic evaluation and treatment of syncope
- Causes of exertional syncope in the healthy young adult
- Risk stratification of syncope

## **Children**

- Diagnostic evaluation and treatment of syncope in children

## **Stroke**

- Diagnostic evaluation and treatment of stroke
- Presentation differences between ischemic infarction and intracerebral hemorrhage
- Recognizing signs of ischemic stroke
- Recognizing posterior circulation stroke
- Diagnostic evaluation and treatment of a posterior circulation stroke (including cerebellar stroke)
- Contraindications to thrombolytic therapy in ischemic stroke
- Treatment of hypertension associated with a nontraumatic intracerebral hemorrhage
- Treatment of hypertension in ischemic stroke
- Diagnosis of stroke syndromes
- Diagnostic evaluation of focal weakness
- Diagnostic evaluation of focal extremity weakness
- Diagnostic evaluation and treatment of cervical artery dissection

## **Headache**

- Diagnostic evaluation and treatment of headache
- Diagnostic evaluation and treatment of encephalitis

## **Metabolic/Toxicologic**

- Diagnostic evaluation and treatment of toxic ingestions
- Diagnosis of adverse drug effects in the elderly
- Diagnostic evaluation and management of substance use disorder and its complications
- Diagnostic evaluation and treatment of alcohol use disorder including withdrawal
- Treatment of the metabolic complications of alcohol use disorder
- Diagnostic evaluation and treatment of salicylate toxicity
- Diagnostic evaluation and treatment of organophosphate poisoning
- Diagnostic evaluation and treatment of lithium toxicity
- Treatment of carbon monoxide poisoning

## **Cranial and Peripheral Nerves**

- Diagnostic evaluation and treatment of cranial nerve disorders
- Diagnostic evaluation and treatment of peripheral nervous system disorders
- Complications of peripheral nervous system disorders
- Diagnostic evaluation of peripheral nerve palsies
- Diagnostic evaluation of diplopia

## **Factitious Disorders**

- Diagnostic evaluation of factitious disorders

## **Miscellaneous**

- Navigating consent issues
- Determining patient decision making capacity

- Diagnostic evaluation and treatment of eye pain
- Diagnostic evaluation and treatment of acute vision loss
- Diagnostic evaluation and treatment of orbital cellulitis and its complications
- Diagnostic evaluation and treatment of central nervous system emergencies in the geriatric patient
- Treatment of medication noncompliance
- Diagnostic evaluation and treatment of cardiac valvular disorders
- Diagnostic evaluation and treatment of palpitations
- Diagnostic evaluation and treatment of cardiac dysrhythmias
- Diagnostic evaluation and treatment of inherited cardiac disorders
- Diagnostic evaluation and treatment of sepsis
- Diagnostic and evaluation of hypothermia
- Diagnostic evaluation and treatment of heat-related conditions
- Treatment of acute hypothyroidism
- Diagnostic evaluation of traumatic brain injury hemorrhage
- Diagnostic evaluation of hepatic encephalopathy
- Diagnostic evaluation of ataxia

#### Children

- Diagnostic evaluation and management of otitis media