Learning Objectives

CENTRAL NERVOUS SYSTEM III

Neurorehabilitation

1. Evaluate the appropriateness of a treatment regimen for the patient with traumatic brain injury (TBI) or stroke.
2. Analyze differences in efficacy and tolerability among neurostimulation agents in their use for patients with TBI.
3. Evaluate the clinical findings and risk factors for autonomic dysregulation in brain injury.
4. Analyze differences in efficacy, tolerability, and adverse effects among spasticity agents.
5. Evaluate the appropriateness of a treatment regimen for a given patient with spinal cord injury.

Multiple Sclerosis

1. Distinguish relapsing-remitting, progressive-relapsing, secondary-progressive, primary-progressive, and other forms of multiple sclerosis (MS), and review the newly revised classification scheme.
2. Analyze and apply the results of various imaging and screening tools to monitor signs and manage symptoms associated with MS and disease progression.
3. Compare the advantages and disadvantages of current disease-modifying drugs (DMDs) for relapsing forms of MS.
4. Construct treatment strategies for patients with relapsing forms of MS with DMDs to slow/ stabilize disease progression.

Movement Disorders

1. Analyze a patient case using an understanding of the epidemiology, etiology, diagnosis, and prognosis of Parkinson disease, essential tremor, and drug-induced movement disorders.
2. Distinguish between the various therapeutic options for movement disorders on the basis of patient factors, efficacy, drug interactions, and safety profiles.
3. Design an appropriate treatment plan for a patient with a movement disorder with an understanding of treatment guidelines and patient therapeutic goals.
4. Evaluate a patient with a movement disorder toward therapeutic goals in terms of pharmacotherapeutic response and lifestyle modifications.
5. Compose a movement disorder educational plan that includes medication information and lifestyle modifications.