**December 6 Learning Objectives**

9:30-10:15 Lecture 1 Neuromuscular Disorders- Dr. Chrisman

10:15-11 Lecture 2 Movement Disorder- Dr. Shprecher

11:30- 12:15 Lecture 3 Headaches- Dr. McFarlane

**Lecture 1:** 9:30 - 10:15am Neuromuscular Disorders- Dr. Chrisman

1. Make a table describing history and exam findings consistent with weakness with the following etiologies: Spinal cord, peripheral nerve, neuromuscular junction, muscle.
2. Know indications for nerve conduction studies and electromyography.
3. Describe the appropriate treatment options for diabetic peripheral polyneuropathy.

*Readings*:

AJM Approach to myopathy and AAFP Differential Diagnosis for Weakness

**Lecture 2:**10:15 – 11am Movement Disorder- Dr. Shprecher

1. Define the clinical features and associated conditions with the following pathologic movement types: tremor, dystonia, chorea, hemiballismus, athetosis, tic, myoclonus, and akathisia.
2. List the diagnostic criteria for Parkinson’s disease.
3. Describe in table format (compare and contrast) the clinical features, pathophysiology, diagnostic criteria, and treatment considerations of the following movement disorders: Parkinson disease, Multiple System Atrophy, Progressive Supranuclear Palsy, Essential Tremor, and Restless Leg Syndrome.

*Reading*: CCJ Movement disorders

**Lecture 3:**11:30 - 12:15pm Headaches- Dr. McFarlane

1. List the types of primary and secondary headaches, and know what symptoms point to secondary headaches.
2. Describe criteria for diagnosing migraine headaches and how to use the POUND mnemonic.
3. Define a “thunderclap headache.” What percentage of these headaches are associated with subarachnoid hemorrhage? Describe the appropriate steps and algorithm evaluation for subarachnoid hemorrhage.
4. Compare and contrast (in table format) the following syndromes including the clinical presentation, pathophysiology, diagnostic tests, and treatment options of the following: Idiopathic Intracranial Hypertension (Pseudotumor Cerebri), Intracranial hypotension, trigeminal neuralgia, and rebound headache (medication overuse headache).
5. Describe medication options for abortive therapy for a migraine headache and refractory migraine.
6. Know when to pursue migraine prevention treatment, how successful migraine prevention therapy is, and which drugs are recommended for migraine prevention.

*Reading*: AAFP Headache Article