**Learning Objectives- December 5, 2023**

Dementia Lecture

1. Describe the diagnostic criteria for mild cognitive impairment and distinguish it from dementia.
2. Describe the sensitivity and specificity of the mini-mental status exam (MMSE) and the Montreal cognitive assessment for mild cognitive impairment and dementia.
3. Describe the appropriate work up (laboratories and imaging tests) for a patient with dementia to look for reversible causes.
4. Compare and contrast in table format the clinical presentation, pathophysiology, and treatment options for the following types of dementia: Alzheimer’s , Lewy body, Frontotemporal, Normal Pressure Hydrocephalus, and Vascular dementia.

Reading: Annals of Internal Medicine Dementia

Headaches Lecture

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 Approach to Headaches

Neuromuscular Weakness Lecture

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