

## Internal Medicine - Neurology

### Learning Objectives:

Concentrate on basic clinical skills and on obtaining a basic level of familiarity with common neurological conditions and neurological investigation and treatment.

The objectives reflect the above statements:

- To be able to take a complete history and perform a proper neurological examination within a reasonable length of time.
- To be able to interpret the symptoms and physical signs elicited.
- To be able to formulate a diagnosis and reasonable differential diagnosis in rank order relevant to the neurological findings.
- To learn to perform a lumbar puncture utilizing proper techniques and to interpret CSF findings.
- To gain an appreciation of neurological therapeutics, especially for common neurological conditions.
- To gain an appreciation of the prevalence of neurological disease and disability and to appreciate the wide overlap between neurology and other areas of internal medicine.
- To develop an awareness of the integration of basic neurosciences in the clinical setting.

The neurological disorders the resident will see and/or should focus on in self-study and discussion include:

- Seizures: Common types including status epilepticus
- Syncope and coma
- Stroke: atherosclerotic, hemorrhagic, embolic, lacunar
- Headache: Migraine, tension-type, headache with increased intracranial pressure, headache with subarachnoid hemorrhage, temporal arteritis
- Dementia: Alzheimer's disease, differential diagnosis of confusion & dementia
- Movement Disorders: Parkinson's disease
- Neuromuscular Disease: Myasthenia gravis, ALS, polymyositis
- Demyelinating Disease: Multiple sclerosis
- Peripheral Neuropathies: Guillain-Barre syndrome, diabetic neuropathy, carpal tunnel syndrome, ulnar neuropathy, cervical and lumbosacral radiculopathies
- Spinal cord compression: myelopathy, differential diagnosis of spinal cord diseases
- Meningitis: bacterial and viral, and differential diagnosis
- Encephalitis particularly Herpes Simplex encephalitis and differential diagnosis