Search

Goal

1. Evaluation of Coma

Objectives	Competency
1.1 - Define Coma	None | More
	Resources
	📄 Program Director, EPC info ✉

Objectives	Competency
1.2 - Obtain a pertinent history from collateral historians	None | More
	Resources

Objectives	Competency
1.3 - Examine respiration, eye movements, motor function and reflexes, brainstem reflexes to determine if coma is structural or non-structural (localize the lesion if structural)	None | More
	Resources

Objectives	Competency
1.4 - Describe the urgent evaluation and management of coma	None | More
	Resources

Objectives

1.5 - Describe the urgent evaluation and management of status epilepticus

Competency

None | More

Resources

📄 Status epilepticus guideline ✉

Objectives

1.6 - Understand the definition and approach to the determination of Brain Death.

Competency

None | More

Resources

📄 Brain Death article ✉

Goal

2. Evaluation of Dementia

Objectives

2.1 - Obtain the pertinent history from the patient and collateral historians

2.1a - Distinguish pseudodementia from true dementia
2.1b - Determine the presence of medical and environmental risk factors for dementia

Competency

None | More

Resources

Objectives

2.2 - Perform a mental status examination

Competency

None | More

Resources

Objectives

2.3 - Perform a complete neurologic examination

Competency

None | More

Resources

Objectives

2.4 - Use the appropriate laboratory and neuro-imaging to rule out reversible causes of dementia

Competency

None | More

Resources

Objectives

2.5 - Know the available therapies for Alzheimer's disease and understand the mechanism of action of these medications

Competency

None | More

Resources

Goal

3. Evaluation of Cerebrovascular Disease

Objectives

3.1 - Obtain an accurate history of the event to enable localization of the lesion

Competency

None | More

Resources

📊 Dr. Reda's CV Disease slides ✉

Objectives

3.2 - Be able to demonstrate focal neurologic findings in a patient with stroke and use these to localize the lesion

Competency

None | More

Resources

Objectives

3.3 - Understand the basic mechanisms of stroke

Competency

None | More

Resources

Objectives	Competency
3.4 - Use appropriate testing to confirm the mechanism of stroke	None | More
	Resources

Objectives	Competency
3.5 - Identify common risk factors and mechanisms of stroke in young patients as well as elderly patients	None | More
	Resources

Objectives	Competency
3.6 - Be able to counsel a patient in the use of anti-coagulant and anti-platelet agents	None | More
	Resources

Objectives	Competency
3.7 - Know the indications and contra-indications for the use of tPA	None | More
	Resources
	Use of tPA ✉

Goal

4. Evaluation of Headache

Objectives	Competency
4.1 - Obtain an accurate history and be able to differentiate benign (primary) headache from secondary headache due to elevated intracranial pressure, subarachnoid hemorrhage, CNS infection, and vasculitis	None | More
	Resources
	Dr. Moseley's Headache PPT ✉
	HA powerpoint ✉

Objectives

4.2 - Recognize the common features of migraine, tension headache, cluster headache, and trigeminal neuralgia

Competency

None | More

Resources

Objectives

4.3 - Describe common modes of treatment for migraine headache

Competency

None | More

Resources

W HA protocols ✉

Objectives

4.4 - Describe the treatments available for trigeminal neuralgia

Competency

None | More

Resources

Goal

5. Evaluation of Spine and Limb Pain

Objectives

5.1 - Obtain an accurate history of the pain including temporal profile, inciting events, pain location and radiation, aggravating and alleviating factors, and associated symptoms

Competency

None | More

Resources

Back Pain-Wicklund ✉

Objectives

5.2 - Discern historical features that suggest neurologic involvement

Competency

None | More

Resources

Objectives

5.3 - Identify common non-neurologic causes of spine and limb pain

Competency

None | More

Resources

Objectives

5.4 - Recognize neurologic causes of spine and limb pain requiring emergent evaluation and treatment (ie epidural cord compression)

Competency

None | More

Resources

Objectives

5.5 - Understand the anatomy and clinical picture of disc herniation

Competency

None | More

Resources

Objectives

5.6 - Identify situations in which surgery should be considered as treatment for radiculopathy (electively or emergently)

Competency

None | More

Resources

Goal

6. Evaluation of Peripheral Neuropathy

Objectives

6.1 - Elicit an accurate history of symptoms

Competency

None | More

Resources

Dr. Reda's PN slides ✉

Objectives

Competency

6.2 - Perform a neurologic examination	None | More
	Resources

Objectives	Competency
6.3 - Use the history and examination to determine the category of neuropathy (ie sensorineural polyneuropathy, mononeuropathy, small fiber neuropathy, etc)	None | More
	Resources

Objectives	Competency
6.4 - Understand the role of EMG and other laboratory testing in the diagnosis of neuropathy	None | More
	Resources

Objectives	Competency
6.5 - Recognize the potentially life-threatening neuropathies and describe the treatment of Guillain-Barre Syndrome	None | More
	Resources

Goal

7. Evaluation of Movement Disorders

Objectives	Competency
7.1 - Recognize the historical features and neurological signs of Parkinsonism, Essential Tremor, and Restless Legs Syndrome	None | More
	Resources
	Dr. Moseley's Movement Disorders

Objectives	Competency
7.2 - Demonstrate the typical neurologic findings in a patient with Parkinson's Disease	None | More

Objectives		Resources

Objectives

Resources

Objectives

Competency

7.3 - Distinguish a rest tremor from and an action tremor and intention tremor

None | More

Resources

Objectives

Competency

7.4 - Identify medications used in the treatment of Parkinson's disease, Essential Tremor, and Restless Legs Syndrome

None | More

Resources

Goal

8. Evaluation of Demyelinating Disease

Objectives

Competency

8.1 - Obtain an accurate history and recognize the common symptoms of multiple sclerosis

None | More

Resources

MS-Dr. Wicklund ✉

Objectives

Competency

8.2 - Be able to explain to a patient the basic pathophysiology of MS

None | More

Resources

Objectives

Competency

8.3 - Recognize the most common physical findings seen in a patient with MS

None | More

Resources

Objectives	Competency
8.4 - Understand the role of neuro-imaging and spinal fluid examination to confirm the diagnosis of MS	None	More
	Resources

Objectives	Competency
8.5 - Identify the available treatments for an acute attack of demyelinating disease and disease modifying therapy for patients with MS	None	More
	Resources

Goal

9. Evaluation of Dizziness and Vertigo

Objectives	Competency
9.1 - Be able to elicit an accurate history of the dizzy patient and differentiate a vestibular disturbance from presyncope, ataxia, and non-specific "wooziness"	None	More
	Resources
	Dr. Reda's Dizziness slides ✉

Objectives	Competency
9.2 - Recognize the typical history of benign paroxysmal positional vertigo (BPPV)	None	More
	Resources

Objectives	Competency
9.3 - Understand the utility of the Dix-Hallpike maneuver and canalith repositioning the treatment of BPPV	None	More
	Resources

Objectives	Competency

9.4 - Differentiate a peripheral vestibular disturbance from a central nervous system disorder

None | More

Resources

Goal

10. Lumbar Puncture

Objectives

Competency

10.1 - Understand the appropriate indications and contra-indications for performance of a lumbar puncture

None | More

Resources

Objectives

Competency

10.2 - Be able to counsel the patient concerning the risks and benefits of the procedure

None | More

Resources

Objectives

Competency

10.3 - Understand the management of post-LP headache

None | More

Resources

Objectives

Competency

10.4 - Successfully perform a lumbar puncture under the supervision of the spinal nurse, consultant, or resident

None | More

Resources

Goal

11. Evaluation of Seizures

Objectives

11.1 - Be able to differentiate seizures from common mimickers

Competency

None | More

Resources

📊 Dr. Moseley's epilepsy ppt ✉

Objectives

11.2 - Be able to differentiate between complex partial, generalized tonic clonic, and absence seizures based on history/examination

Competency

None | More

Resources

Objectives

11.3 - Identify common medications used to treat partial, generalized tonic clonic, and absence seizures

Competency

None | More

Resources

Objectives

11.4 - Identify other management options when seizure medications fail

Competency

None | More

Resources

Goal

12. Localization in Neurology

Objectives

1.1 - Definition

Competency

None | More

Resources

📊 Neurologic Localization-Dr. Wicklun