



FUNCTIONAL NEUROLOGY SEMINARS

Saturday

October 22th, 2016: Schedule is based on Pacific Standard Time in California, USA

8:00 – 10:00 (2 hours): Functional Neurology Concepts and Review – Kharrazian and Brock

- **10:00 – 10:30 Break**

10:30 – 12:00 (90 minutes): Brainstem Anatomy and Pathology – Kharrazian

This session will cover brainstem anatomy, vascularization, cranial nerves, and pathologies associated with the brainstem.

- **12:00 – 1:30 Lunch**

1:30 – 3:00 (90 minutes): Ocular Integration and Differential Diagnosis of Eye Movement Categories – Brock

This session will cover eye movement nomenclature, neurological integration of eye movements in the brainstem. Normal and abnormal eye movements will be discussed in relation to pathological integration.

- **3:00 – 3:30 Break**

3:30 – 5:00 (90 minutes): Vestibular-Ocular Reflexes and Differential Diagnosis of Nystagmus – Kharrazian

Neurology of Eye Movements for Diagnosis and Treatment Applications

This session will cover the neuroanatomy of vestibular-ocular reflexes and nystagmus nomenclature. Differential localization associated with nystagmus types will be discussed.

5:00 – 5:30 (30 minutes): Review – Brock and Kharrazian

5:30 – 6:00 (30 minutes): Questions – Brock and Kharrazian

Sunday

October 23th, 2016, 2016: Schedule is based on Pacific Standard Time in California, USA

8:00 – 8:30 (30 minutes): – Differential Diagnosis of Pupil and Lid Responses - Kharrazian

This session will cover normal and abnormal pupil responses to light and movement. Additionally, mechanisms for abnormal lid functions will be discussed.

8:30 – 10:00 (90 minutes): Disorders of Eye Muscle Weakness – Kharrazian

This session will cover eye muscle palsies, eye position abnormalities, and examination strategies associated with diplopia.

- **10:00 – 10:30 Break**

10:30 – 12:00 - Differential Diagnosis of Eye Movement by Brain Region – Brock

This session will cover each brain region and how brain pathology will manifest as abnormal eye movements. Brain regions discussed will include cerebral cortex, cerebellum, brainstem, basal ganglia, and mechanical restrictions.

- **12:00 – 1:30 Lunch -**

1:30 – 3:00 (90 minutes): Incorporating Eye Movements as a Method of Brain Therapy – Brock

This session will cover how eye movements can be used to augment function and rehabilitation in each region of the neuraxis.

- **3:00 – 3:30 Break -**

3:30 – 4:15 (45 minutes): Case Study – Kharrazian

4:15 – 5:00 (45 minutes): Case Study – Brock

5:00 – 5:30 (30 minutes): Review – Brock and Kharrazian

5:30 – 6:00 (30 minutes): Questions – Brock and Kharrazian