

## Neurology Clinical Reasoning

### DEPARTMENT OF NEUROLOGY

#### GENERAL DESCRIPTION

Patient based learning of neurologic and cognitive examination in various different neurological diseases: neuromuscular disorders, neuroinflammatory and infectious diseases, cognitive decline and dementia, movement disorders, headache, cerebrovascular diseases.

#### COURSE OBJECTIVES

The student will be able to take a neurological history and perform a complete neurological and cognitive exam

The student will learn a step-by-step approach to neurological clinical reasoning (establish a syndromic diagnosis – which neurological systems are affected by the disease, a topographical diagnosis – where is the lesion located in the nervous system), to elaborate a differential diagnosis and therapeutic plan

#### TEACHING METHODS

Patient examination and bedside discussions with supervision

Discussion of prototypical cases in the different neurological sub areas

Discussion of relevant neuroimaging and other ancillary methods findings

Discussion of therapeutic plan

**WHO SHOULD ATTEND?**

3rd-6th year medical students (in countries with a 6 year curriculum)

3rd-4th year medical students (US, Canada or countries with a 4 year curriculum)

**Coordinators:**

- Luiz Henrique Martins Castro

**COURSE MATERIAL:**

Google Classroom

**PREREQUISITES:**

Experience in Neuroanatomy and neurophysiology