

**Syllabus of Neurology and Neurophysiology for a “Physiotherapy programme” at  
1<sup>st</sup> Department of Neurology, Medical School of Masaryk University.  
Lectures of a summer term – school year 2015/16**

**1.**

**Parkinson's disease**

Signs and symptoms of Parkinson's disease. Parkinsonian syndromes, differential diagnosis.

**Neurodegenerative disorders**

Spinocerebellar ataxias, amyotrophic lateral sclerosis. Differential diagnosis of gait disorders.

23.2.2016

MUDr. Pavel Řehulka

**2.**

**Infections of nervous systems**

Encephalitis, myelitis, meningitis. Brain and spinal cord abscess. Neuroborreliosis. Role of CSF examination in neurology, indications and contraindications of spinal tap.

1.3.2016

MUDr. Ondřej Strýček

**3.**

**Hyperkinesias and dystonias**

Phenomenology of hyperkinesias: tremor, chorea, balism, myoclonus, tics, torsion dystonia. Diagnostic and therapeutic approach of hyperkinetic disorders.

8.3.2016

MUDr. Kristína Saxunová

**4.**

**Tumours of central nervous system**

Tumours of brain and meninges, symptomatology of expansive processes in cranium and spinal column.

15.3.2016

MUDr. Ondřej Strýček

**5.**

**Neuropsychology**

Content of the field, diagnostics, scales, psychotherapy.

22.3.2016

PhDr. Sabina Goldemundová

6.

**Epilepsy and epileptic syndromes.**

Classification of epilepsies, clinical symptomatology of focal and generalized epileptic seizures, lifestyle of patients with epilepsy.

29.3.2016

MUDr. Pavel Řehulka

7.

**Acute Neurology I**

Stroke, brain hemorrhage, subarachnoid hemorrhage.

5.4.2016

MUDr. Jiří Bůřil

8.

**Acute Neurology II**

Neurotraumatology, brain concussion and contusion, status epilepticus, malign neuroleptic syndrome.

12.4.2016

MUDr. Kristýna Saxunová

9.

**Differential diagnostic of back pain**

Radicular syndromes, radicular and pseudo radicular irritation, spinal cord lesion, sacroiliacal joint disorders.

19.4.2016

MUDr. Jiří Bůřil

10.

**Autoimmune disorders of central nerve system**

Multiple sclerosis, pathophysiology, pathology, diagnostic and therapeutic approach. Neuromuscular junction disorders.

26.4.2016

MUDr. Rastislav Šumec

11.

**Headache**

Classification, pathophysiology, pathology, prevention and therapy. Treatment of migraine headache.

3.5.2016

MUDr. Mária Justanová

12.

**Dementia**

Alzheimer's disease, vascular dementia, frontotemporal dementia, differential diagnosis and treatment of dementia.

10.5.2016

MUDr. Jiří Bůřil

13.

**Examination of comatous patient**

Disorders of consciousness. Brain death.

**Disorders of Neural Plexi.**

Disease of plexus brachialis, diseases of plexus lumbosacralis. Clinical symptoms, neurophysiology. Tunnel syndromes.

17.5.2016

MUDr. Pavel Řehulka

14.

**Polyneuropathy and polyneuritis**

Pathophysiology, pathology, and therapy of peripheral nerves. Role of EMG in diagnostic approach to peripheral nerves.

**Credit**

24.5.2016

MUDr. Martin Pail

**The lectures are held in Study room (building C1, 6 th floor)  
of 1<sup>st</sup> Department of Neurology, every Tuesday between 8:30-9:20 a.m.**