

**Syllabus of Neurology and Neurophysiology for a “Physiotherapy programme” at
1st 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 1st Department of Neurology, every Tuesday between 8:30-9:20 a.m.**