

Information sheet for the course Neurology

University: <i>Alexander Dubček University of Trenčín</i>	
Faculty: <i>Faculty of Health Care</i>	
Course unit code: <i>Neur/d</i>	Course unit title: <i>Neurology</i>
Type of course unit: <i>compulsory</i>	
Planned types, learning activities and teaching methods: <i>Lecture: 2 hours weekly/26 hours per semester of study; (full-time)</i>	
Number of credits: 2	
Recommended semester: <i>5th semester in the 3rd year (full-time)</i>	
Degree of study: <i>I (bachelor)</i>	
Course prerequisites: <i>none</i>	
Assessment methods: <i>A student obtains 50 points per semester for:</i> - <i>Active participation at lectures.</i> - <i>Oral examination (50 points).</i> <i>To obtain A, a student must score at least 47 points, to obtain B, a student must score at least 43 points, to obtain C, a student must obtain at least 39 points, to obtain D, a student must obtain at least 35 points, and finally to obtain E, a students must to obtain at least 30 points.</i>	
Learning outcomes of the course unit: <i>After the completion of the course a student has knowledge of the structure and operation of central and peripheral nervous system, the general neurology and neurophysiology, from basic neurological disorders (central and peripheral paresis, Parkinson's disease, sclerosis mltiplex, hyperkinetic syndromes, cerebellar syndrome, spinal cord lesions, the central coordinating disorder). A student can define the following concepts: neuron, synapse, reflex arc, neuromuscular junction, can conduct basic eurological examination, principle of auxiliary examination methods in neurology (CT, MRI, I / T curve). A student is able to apply the obtained knowledge within the scope of physiotherapy in the patients with nervous system damage.</i>	
Course contents: Lectures: 1. <i>Introduction - the concept of Neurology, the concept of the branch, historical background.</i> 2. <i>Examination procedures in neurology.</i> 3. <i>The difference between neurological diseases.</i> 4. <i>Syndrome II and I of motor neuron.</i> 5. <i>Extrapyramidal syndrome.</i> 6. <i>Cerebellar syndrome.</i> 7. <i>Vestibular syndrome.</i> 8. <i>Sensitisation syndrome.</i> 9. <i>Meningeal syndrome and intracranial hypertension syndrome.</i> 10. <i>Spinal cord syndromes.</i> 11. <i>Stem syndromes.</i> 12. <i>Subcortical syndromes.</i> 13. <i>Spinal cord syndromes.</i> 14. <i>Phatic functions and their disorders.</i> 15. <i>The primary muscle disease.</i> 16. <i>Disorder of peripheral nerves.</i> 17. <i>Musculoskeletal pain syndromes.</i> 18. <i>Vascular disease of the brain.</i>	

19. Traumatic brain injury.
20. Degenerative brain disease.
21. Demyelinating disease.
22. Inflammatory diseases of the brain and meninges.
23. Developmental disorders.
24. Intracranial tumours.
25. Seizure disorders.
26. Diseases of the spinal cord.

Recommended of required reading:

1. BROZMAN, M. a kol.: 2011. *Neurológia*. Osveta, 2011, ISBN 978-80-8063-339-4.
2. SEIDL, Z.: 2008. *Neurologie pro nelékařské zdravotnické obory*. Grada, 2008, ISBN 978-80-247-2733-2.
3. PFEIFFER, J.: 2007. *Neurologie v rehabilitaci*. Grada, 2007, ISBN 8024711355.
4. BARTKO, D. a kol.: 1993. *Neurológia*. Osveta, 1993, ISBN 80-217-0570-1.
5. LIPPERTOVÁ, M.: 2005. *Neurorehabilitace*. Galén, 2005, ISBN 8072623176.
6. NEVŠÍMALOVÁ, S., RŮŽIČKA, E., TICHÝ, J. a kol.: 2005. *Neurologie*. Galén, 2005, ISBN 8072621602.
7. MUMENTHALER, M., MATTLE, H.: 2001. *Neurologie*. Grada, 2001, ISBN 8071695459.

Language: Slovak

Remarks:

Evaluation history:

Number of evaluated students

A	B	C	D	E	FX

Lectures: MUDr. Renáta Berová

Last modification: 22.04.2014

Supervisor: doc. MUDr. Juraj Čelko, PhD.