

Information sheet for the course Kinesiotherapy in clinical branches I.

University: <i>Alexander Dubček University of Trenčín</i>	
Faculty: <i>Faculty of Health Care</i>	
Course unit code: <i>KINvKO1/d</i>	Course unit title: <i>Kinesiotherapy in clinical branches I.</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> <i>Seminar: 2 hours weekly/26 hours per semester of study; full-time</i>	
Number of credits: <i>3</i>	
Recommended semester: <i>3rd semester in the 2nd year (full-time)</i>	
Degree of study: <i>I (bachelor)</i>	
Course prerequisites: <i>none</i>	
Assessment methods: <i>The student will acquire 50 points per semester:</i> <ul style="list-style-type: none"> - <i>Active participation in lectures and seminars.</i> - <i>Practice exam (25 points).</i> - <i>Test (25 points).</i> <i>To obtain the score A must be obtained at least 48 points, score B - 44 points, score C - 41 points, score D - 38 points and score E at least 35 points.</i>	
Learning outcomes of the course unit: <i>The student is able to explain the importance of physiotherapy process in neurology. Student knows the basic objective examination in neurological patients and is able draw conclusions from functional diagnostics locomotor system in patients with neurological disease. Can formulate objectives and tasks of physiotherapy and propose the physiotherapy program. The acquired knowledge is able to apply in practice. Student also formulates physiotherapy goals and proposes the complex physiotherapy program using physical therapy and occupational therapy and records the results of tests performed, kinesiotherapy, physical therapy and occupational therapy to the appropriate documentation. Practically performs basic methodology of neurorehabilitation - facilitation techniques Bobaths and Kabaths methodology and Frenkels exercises.</i>	
Course contents:	
Lectures: <ol style="list-style-type: none"> 1. <i>Characteristics of physiotherapy in neurology - historical background and development.</i> 2. <i>Physiotherapy of vertebrogenic algic syndromes.</i> 3. <i>Physiotherapy of peripheral paresis.</i> 4. <i>Physiotherapy of vascular diseases of the brain.</i> 5. <i>Physiotherapy of primary muscle diseases.</i> 6. <i>Physiotherapy of cerebellar syndromes.</i> 7. <i>Physiotherapy of degenerative diseases of extrapyramidal system.</i> 8. <i>Physiotherapy of demyelinating diseases of the central nervous system.</i> 9. <i>Physiotherapy of inflammatory diseases of the brain and meninges.</i> 10. <i>Physiotherapy of developmental disorders.</i> 11. <i>Physiotherapy of spinal cord diseases.</i> 	
Seminars: <ol style="list-style-type: none"> 1. <i>Basic physiotherapy examination of a patient with a neurological diagnosis.</i> 2. <i>Specifics positioning of patients with neurological diagnosis (stroke).</i> 3. <i>Physiotherapy methods and procedures used in neurorehabilitation:</i> 	

- *facilitation techniques,*
- *Bobaths concept,*
- *Kabaths method,*
- *Vojtas method,*
- *Brunnstroms method,*
- *Frenkels exercises.*

Recommended of required reading:

1. GÚTH, A. et al. 1995. *Vyšetrovacie a liečebné metodiky pre fyzioterapeutov. Bratislava: Liečreĥ Gúth, 1995 . ISBN 80-967383-0-5.*
2. LIPPERTOVÁ, M. 2005. *Neurorehabilitace. Galén, 2005, ISBN 8072623176.*
3. PFFEIFER, J.: 2007. *Neurologie v rehabilitaci. Grada, 2007, ISBN 978-80-247-1135-5.*
4. KOLÁŘ, P., et al. 2009. *Rehabilitace v klinické praxi. Praha: Galén, 2009. 76 s. ISBN 978-80-7262-657-1.*
5. GROSS, J. M. et al.: *Vyšetření pohybového aparátu. Praha: Triton, 2005. ISBN 80-7254-720-8. 11.*
6. TROJAN, S. et al.: 2005. *Fyziologie a léčebná rehabilitace motoriky člověka. Praha: Avicenum 2005. ISBN 8024712962.*
7. HROMÁDKOVÁ J.: 2002. *Fyzioterapie. H+H. Vyšehradská, 2002. ISBN 8086022455.*
8. VOJTA, V. 2010. *Vojtův princip. Praha: Grada 2010. ISBN 978-80-247-2710-3.*
9. VOJTA, V. 1993. *Mozkové hybné poruchy v kojeneckém věku. Bratislava: MK 3, 1993. ISBN 8085424983.* JANDA, V.: 2004. *Svalové funkční testy. Praha: Grada, 2004. ISBN 8024707225.*
10. LINC, R.: 1993. *Náuka o pohybe. Martin: Osveta, 1993. ISBN 80-217-0577-9.*
11. JANDA, V.: 1982. *Základy kliniky funkčních /neparetických/ hybných poruch. ÚDVSZP, Brno, 1982.*

Language: *Slovak*

Remarks:

Evaluation history:

A	B	C	D	E	FX

Lectures: *MUDr. Renáta Berová*

Seminars: *Mgr. Miroslav Černický*

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Supervisor: *doc. MUDr. Juraj Čelko, PhD.*