

Information sheet for the course Functional diagnostics locomotor system II.

University: <i>Alexander Dubček University of Trenčín</i>	
Faculty: <i>Faculty of Health Care</i>	
Course unit code: <i>FDgLS2/d</i>	Course unit title: <i>Functional diagnostics locomotor system II.</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: 1 hours weekly/13 hours per semester of study; full-time</i> <i>Supervised practical output: 2 hours weekly/26 hours per semester of study;</i>	
Number of credits: <i>2</i>	
Recommended semester: <i>3rd semester in the 2nd year (full-time)</i>	
Degree of study: <i>I (bachelor)</i>	
Course prerequisites: <i>Functional diagnostics locomotor system I.</i>	
Assessment methods: <i>The student will acquire 50 points per semester :</i> <i>Active participation in lectures and exercises.</i> <i>Practical examination (25 points) .</i> <i>Test / oral examination (25 points) .</i> <i>The acquisition and evaluation is necessary to obtain at least 48 points , to obtain user B at least 44 points on C score at least 41 points to score at least 38 points D and E score at least 35 points .</i>	
Learning outcomes of the course unit: <i>By studying the subject Functional diagnostics locomotor system II . student acquires theoretical and practical knowledge of muscle imbalances . Can distinguish shortened and weakened muscles and basic forms disorders (upper and lower cruciate syndrome , film syndrome) Can recognize myofascial failures and apply the possibility for therapeutic intervention . Obtained knowledge of imaging methods in relation to the functional and organic disorders and the possibilities of testing failures .The student demonstrates the ability of rational argument the summation of individual symptoms of the logical condensed into syndromes and directing the diagnosis of functional assessment and evaluate and draw conclusions from functional diagnostics locomotor system .</i>	
Course contents: Lectures : <i>1. Examination shortened muscles.</i> <i>2 . Examination weakened muscles.</i> <i>3 . Upper and lower crossed syndrome .</i> <i>4. Film syndróm.</i> <i>5 . Myofascial changes in their diagnosis and therapy</i> <i>6. Examination of the shoulder joint and the clinical picture of disorders.</i> <i>7 . Examination of the elbow joint and the clinical picture of disorders .</i> <i>8 . Examination of the wrist and hand and clinical picture of disorders .</i> <i>9 . Examination of the hip joint and the clinical picture of disorders</i> <i>10 . Examination of the knee joint and the clinical picture of disorders .</i> <i>11. Examination of the ankle joint and foot and clinical picture of their disorders.</i> <i>12 . Basics vertebrologic diagnostic.</i> <i>13 . Examination of the lumbosacral spine and the clinical picture of the disorder</i>	

14. Affections sacroiliacal joint and rump and the clinical picture of their disorders.
15. Examination of the thoracic spine and ribs and a clinical picture of their disorders.
16. Examination of the cervical spine and the clinical picture of the disorder . Cervicokranial and cervicobrachial syndroms.
17. Fundamentals of functional examination in internal medicine.
18. Fundamentals of examination in psychosocial and occupational rehabilitation . Assessment of functional potential of old and chronically ill

Exercises :

1. Testing algorithm shoulder joint.
2. Testing algorithm elbow joint.
3. Testing algorithm wrist and hand.
4. Testing algorithm hip joint.
5. Algorithm examination of the knee joint .
6. Algorithm examination of the ankle joint and foot .
7. Testing algorithm spine.
8. Pelvic and sacroiliac joints.
9. Testing of functional self-sufficiency (FIM) .
10. Testing motor recovery by Brunnstrom

Supervised practical output

Filling of controlled practical outcomes is to deepen the theoretical knowledge and practical skills acquired realization rehearsed procedures of lectures and practicals subject under natural conditions.

Odporúčaná literatúra:

1. KOLÁŘ, P., et al.: 2009. Rehabilitace v klinické praxi. Praha: Galén, 2009. 76 s. ISBN 978-80-7262-657-1.
2. JANÍKOVÁ, D.: 1998. Fyzioterapia – funkčná diagnostika lokomočného systému. Martin: Osveta, 1998. ISBN 80-8063-015-1.
3. TAKÁČ, P.: 2003. Klinická propedeutika v rehabilitácii. Trnavská univerzita, Fakulta zdravotníctva a sociálnej práce Trnava, 2003, ISBN 80-89104-16-9
4. GÚTH, A. a kol.: 2011. Vyšetrovacie metodiky v rehabilitácii. Liečreh, Bratislava, 2011.
5. GÚTH, A. a kol.: 2005. Liečené metodiky v rehabilitácii pre fyzioterapeutov. Liečreh Gúth, Bratislava, 2005, ISBN 80-88932-16-5.
6. JANDA, V.: 2004. Svalové funkční testy. Praha: Grada, 2004. ISBN 8024707225.
7. KOCIOVÁ K.: 2013. Základy fyzioterapie. Osveta, 2013, ISBN 978-80-8063-389-9.

Language: Slovak

Remarks:

Evaluation history: Number of evaluated students

A	B	C	D	E	FX

Lectures: MUDr. Miroslav Malay, Mgr. Patrícia Baňárová

Last modification: 22.04.2014

Supervisor: doc. MUDr. Juraj Čelko, PhD.