

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KFYZIO/54F1028W/17	Course title: Physiotherapeutic Diagnostics 3
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture / Seminar Recommended study range: hours weekly: 1 / 2 hours per semester: 12 / 24 Teaching method: on-site (distance method according to the document Príkaz rektora P-8/2020 since 15. 10. 2020)	
Credits: 3	
Recommended semester/trimester: 3.	
Level of study: I.	
Prerequisites: KFYZIO/54F1016W/17	
Requirements for passing the course: Prerequisites: Physiotherapeutical diagnostics 2 Conditions for passing the course: The control of self-study takes place by assigning and elaborating the semester work and its presentation, it forms 10% of the evaluation in the final evaluation of the subject. During the semester: there will be practical tests and two theoretical tests. To participate in the exam, it is necessary to obtain 60%. Final evaluation: will be based on the total number of points obtained from the examinations and the oral exam. Course evaluation: A – 100%-93% B – 92%-85% C – 84%-77% D – 76%-69% E – 68%-60% FX – 59%- 0%	
Learning outcomes of the course: Objective of the course: Improve knowledge of skeletal muscle. Gain the ability to use a muscle test to determine the degree of muscle strength. Effectively incorporate muscle testing into functional diagnostics. Theoretical knowledge: The student defines standardized tests to assess the functional condition of skeletal muscles. Distinguishes between shortened and weakened muscles, limited joint mobility and hypermobility. Analyzes the stereotype of walking and prototyping activities. Practical skills: The student effectively measures muscle strength, determines the degree of skeletal muscle weakness. Tests and determines muscle shortening as well as hypermobility of joints. Demonstrates walking with aids. Performs aspiration and palpation of muscles. It documents and interprets the results of the examination.	

Course contents:

Course contents:

1. Examination of shortened muscles - torso, HK, neck.
2. Muscle test neck, torso pelvis.
3. Goniometry - Upper limb - shoulder joint. HK muscle test - shovel.
4. Goniometry HK - elbow joint, wrist, fingers.
5. Examination of hypermobility.
6. Goniometry DK - hip joint. Examination of shortened DK muscles.
7. Goniometry DK - knee joint, ankle joint.
8. Passive movements of DK. Body evaluation, posture gaze plus muscle imbalances. Passive HHK movements.
9. Respiratory physiotherapy - motor skills of breathing, division of RFT, principles of design, use, types of breathing, breathing wave. ST muscle facial expressions, paresis n. facialis - symptoms, treatment.
10. Examination, evaluation of gait, practice of gait on barrels.
11. History, principles, goal, division to targeted functional reeducation.
12. Muscle test - elbow joint, forearm, wrist. Examination of the pelvis. Muscle test - DK - knee joint - ankle. Dynamic examination of the spine. Fitness training. Positioning.

Exercises:

1. Examination of shortened muscles - torso, HK, neck.
2. Muscle test neck, torso pelvis.
3. Goniometry - Upper limbs.
4. Goniometry - shoulder joint.
5. Muscle test HK - shovel.
6. Goniometry HK - elbow joint, wrist, fingers.
7. Examination of hypermobility.
8. Goniometry DK - hip joint.
9. Examination of shortened DK muscles.
10. Goniometry DK - knee joint, ankle joint.
11. Passive movements of DK.
12. Character evaluation.
13. Evaluation of posture gaze plus muscle imbalances.
14. Passive movements of HHK.
15. Respiratory physiotherapy - respiratory motor skills, RFT distribution.
16. Principles of design, use, types of breathing, breathing wave. ST muscle facial expressions, paresis n. facialis - príznaky, treatment.
17. Examination, evaluation of gait, practice of gait walking.
18. Anamnesis, principles, goal, division to targeted functional reeducation.
19. Muscle test - elbow joint, forearm, wrist.
20. Examination of the pelvis.
21. Muscle test - DK - knee joint - ankle.
22. Dynamic examination of the spine.
23. Fitness training.
24. Positioning.

Recommended or required literature:

1. GÚTH, A. a kol.: Vyšetrovacie metodiky v rehabilitácii pre fyzioterapeutov, LIEČREH GÚTH, Bratislava.

<p>2. GÚTH, A. a kol.: Liečebné metodiky v rehabilitácii pre fyzioterapeutov, LIEČREH GÚTH, Bratislava.</p> <p>3. JANDA, V: Svalové funkční testy, Grada Publishing, Praha 2004</p> <p>4. KOLÁŘ, P. Rehabilitace v klinické praxi, Galen, Praha 2010.</p>					
<p>Language of instruction: slovak language</p>					
<p>Notes: The course is taught only in the winter semester and is evaluated only in the relevant examination period of the winter semester of the academic year.</p>					
<p>Course evaluation: Assessed students in total: 123</p>					
A	B	C	D	E	FX
46.34	27.64	10.57	4.07	7.32	4.07
<p>Name of lecturer(s): Mgr. Peter Kutiš, PhD.</p>					
<p>Last modification: 01.12.2020</p>					
<p>Supervisor(s): doc. PhDr. Zuzana Hudáková, PhD.</p>					