

Information sheet for the course
Diagnostics of Functional Impairments of the Movement Apparatus

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| University: <i>Alexander Dubček University of Trenčín</i> | |
| Faculty: <i>Faculty of Health Care</i> | |
| Course unit code: <i>DFP/e</i> | Course unit title: <i>Diagnostics of Functional Impairments of the Movement Apparatus</i> |
| Type of course unit: <i>compulsory</i> | |
| Planned types, learning activities and teaching methods: <i>Lecture: 1 hour weekly/13 hours per semester of study; full-time</i> | |
| Number of credits: <i>2</i> | |
| Recommended semester: <i>7th semester in the 4th year (part-time)</i> | |
| Degree of study: <i>I (bachelor)</i> | |
| Course prerequisites: <i>Kinesiology and Pathological Kinesiology II.</i> | |
| Assessment methods: <i>The student will acquire 50 points per semester:</i> <i>- Active participation in lectures.</i> <i>- Test (50 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 knows the theoretical knowledge about functional disorders of the musculoskeletal system. Synthesis of acquired knowledge is able recognize functional disorders and subsequent reflex changes in the soft tissues which may result from chaining of functional disorders.</i> | |
| Course contents: <ol style="list-style-type: none"> <i>1. Functional disorders of the musculoskeletal system (definition, classification, articular dysfunction, blockage).</i> <i>2. Pain in functional disorders (hyperalgetic skin zones, muscle spasms, trigger points, tender points, reflex changes).</i> <i>3. Diagnostics of functional disorders:</i> <ul style="list-style-type: none"> <i>• functional anamnesis,</i> <i>• palpation (physiological and pathological barrier),</i> <i>• examination of soft tissues (skin, subcutaneous tissue, fascia, muscles),</i> <i>• examination of peripheral joints (joint play, capsular pattern),</i> <i>• pelvic exam (spine sign, overtaking phenomenon, pelvic slope),</i> <i>• examination of the spine.</i> <i>4. Muscle Chains and concatenation of functional disorders.</i> <i>5. Functional disorders, pelvis and pelvic floor.</i> <i>6. Functional disorders and lumbar spine.</i> <i>7. Functional disorders and thoracic spine.</i> <i>8. Functional disorders and cervical spine.</i> <i>9. Functional disorders and lower extremities.</i> <i>10. Functional disorders and upper limbs.</i> <i>11. Functional disorders and orofacial system.</i> <i>12. Radicular syndromes.</i> <i>13. The most common procedures and methodologies used in the treatment of functional disorders.</i> | |
| Recommended of required reading: | |

1. LEWIT, K.: 2003. Manipulační léčba. Sdělovací technika, Česká lékařská společnost J. E. Purkyně, 2003, ISBN 80-8664-504-5.
2. VÉLE, F.: 2007. Kineziologie -Přehled klinické kineziologie a patokineziologie pro diagnostiku a terapii poruch pohybové soustavy. Triton, 2007, ISBN 80-7254-837-9.
3. KOLÁŘ, P. et al.: 2010. Rehabilitace pro klinickou praxi. Galén, 2010, ISBN 978-80-7262-6571.
4. RICHTER, P., HEBGEN, E.: 2011. Spouštěcí body a funkční svalové řetězce v osteopatii a manuální terapii. Pragma, 2011, ISBN 978-80-7349-261-8.
5. VÉLE, F.: 2012. Vyšetření hybných funkcí z pohledu neurofyziologie. Triton, 2012, ISBN 97-80-7387-608-1.
6. FINANDOVÁ D.: 2008. Trigger point – Spoušťové body a jejich odstraňování – Návod k samoošetření. Poznání, Olomouc, 2008, ISBN 978-80-86606-74-3.

Language: Slovak

Remarks:

Evaluation history:

Number of evaluated students: 87

Repeat the test (Fx): 17x

Total evaluation: 104x

Average score: 2.01 (C)

| A | B | C | D | E | FX |
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| 24 | 30 | 13 | 11 | 9 | 17 |
| 23,04% | 28,80 | 12,48 | 10,56 | 8,64 | 16,32 |

Lectures: doc. MUDr. Juraj Čelko, PhD., Mgr. Patrícia Baňárová

Last modification: 22.04.2014

Supervisor: doc. MUDr. Juraj Čelko, PhD.