Analysis of higher education offer of Pain in Faculty of Medicine University of Podgorica

At the University of Podgorica, Faculty of Medicine, there were no classes organized in the Medicine Pain case. In the course of the course of medication, chapters from the subject of pain medicine were studied.

Family medicine subject

In the graduate course of Family Medicine (X semester) for medical students, the treatment of chronic pain is being processed within the theme of palliative care. Also, within the themes dealing with the primary health approach to various clinical entities, the treatment of pain is also discussed.

In the field of family medicine specialization during specialty training, in the theoretical lectures, we teach residents about pain mostly in the modules: Oncology, Palliative Care, Home Treatment and Muscular Disorders.

Similarly, initiatives were initiated in 2016 on the introduction of an elective course in Medicine Pain.

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Project Team Coordinator  
University of Podgorica

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Study Subject

<table>
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<th>Subject ID</th>
<th>Subject Status</th>
<th>Semester</th>
<th>No of ECTS credits</th>
<th>Classes No</th>
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<td>Free choice</td>
<td>IX</td>
<td>2?</td>
<td>2TL+0.5P+0.5S</td>
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Study program for which is organized: Medicine (Dentistry)

Objectives for study pain:
1. Students should learn how to recognize the most frequent pain syndromes and the basic therapeutic modalities
2. Students should learn how to recognize and manage four basic pain syndroms: acute posttraumatic/postoperative pain, cancer pain, neuropathic pain, chronic non-cancer pain

Learning outcomes:
- Students are able to identify patient in pain and to assess its influence on his/her everyday activities
- Students know efficaceous methods for pain control, and how to apply them in the majority of patients
- Students know how to classify analgesia methods according to schematic ladders of WHO including non-pharmagological approaches
- Students know how to assess the efficacy of pain treatments

Professor’s Name and Surname: Prof dr Ljubica Pejakov

Teaching methods:
Lectures, practice on the clinical ward, seminars

Subject’s content:

Preparation week
- Preparation week
  1. Definition, physiology of pain; placebo effect

I week
- Pain classification (acute, chronic, nociceptive, neuropathic), co-morbidities connecting with pain, therapeutic indications

II week
- pain assessment (analogue scales, questionnaires, pain diaries)

III week
- 3. Diagnostics (general history of pain, physical examination, diagnostic modalities, differenceal blockades)

IV week
- 4. Therapeutic principles (symptomatic, causative, pharmacological and non – pharmacological)

V week
- 5. Pharmacological pain therapy (opioid, non-opioid analgetics, co-analgetics),

VI week
- 6. Acute pain: postoperative, post-traumatic (therapeutic principles)

VII week
- 7. Cancer pain (ethiology, WHO recommendations, legislative in opioid prescription)

VIII week
- 8. Neuropathic pain: definition I dijagnostics of hyperalgesia and alodynia (examples – polyneuropathic and herpes zoster pain)

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IX week 10. Persistent pain and differences comparing to acute and chronic pain; examples (chronic non-specific back pain, headache due to overuse)
XI week 11. Kolloqium
XII week 12. Special patients' populations: children (assessment, pharmacological specificities)
XIII week 13. Geriatric population and dementia (communication, pharmacological specificities)
XIV week 14. Pregnancy and breast feeding (risks to embryo, foetus, neonates)
XV week 15. Addiction and tolerance: definition (screening before and in the course of therapy)
XVI week Seminars
Final week
XVIII-XXI week

STUDENTS’ BURDEN - EXAMPLE

Weekly
6 credits x 40/30 = 8 hours
Structure: 3 h lectures
2 h practice
2 h seminar presentation
1 h learning

During Semester
Lectures and final exam (8 h x 15 = ___ h).
Necessary preparations before the beginning of the semester: 2h x 8 = 16 h
Total burden: 6 x 30 = 180 h
Complementary work 36 h
Structure of burden: 128 h + 16 h + 36 h = 180 h

Literatura: Jukić M, Majerić-Kogler V, Fingler M. Bol- uzroci i liječenje, Medicinska naklada
Napredna literatura: Beaulieu P, Lussier D, Porreca F, Dickenson A. Pharmacology of pain, IASP.

Modes of knowledge assessment and scoring:
Presence at the lectures and practical teaching: until 10 points
Kolloqium = 1 x 20 points (max)
1 testing control in practical skills = until 10 points
Seminar presentation = until 10 points
Final exam = until 50 points

<table>
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<th>SCORE</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
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<td>Number of points</td>
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<td>70-79</td>
<td>60-69</td>
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Name and Surname of the professor who prepared the Pain curriculum: Prof dr Ljubica Pejakov

Remark: All other data should be obtained from the responsible professor

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