



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
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Study Subject		Pain Medicine		
<i>Subject ID</i>	Subject Status	Semester	No of ECTS credits	Classes No
	Free choice	IX	2?	2TL+0.5P+0.5S

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-pharmacological 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
I week	1. Definition, physiology of pain; placebo effect
II week	2. Pain classification (acute, chronic, nociceptive, neuropathic), co-morbidities connecting with pain, therapeutic indications
III week	3. pain assessment (analogue scales, questionnaires, pain diaries)
IV week	4. Diagnostics (general history of pain, physical examination, diagnostic modalities, differential blockades)
V week	5. Therapeutic principles (symptomatic, causative, pharmacological and non-pharmacological)
VI week	6. Pharmacological pain therapy (opioid, non-opioid analgetics, co-analgetics),
VII week	7. Acute pain: postoperative, post-traumatic (therapeutic principles)
VIII week	8. Cancer pain (etiology, WHO recommendations, legislative in opioid prescription)
	9. Neuropathic pain: definition and diagnostics of hyperalgesia and allodynia (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)
X week	11. Kolloquium
XI week	
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

<p>Weekly 6 credits x 40/30 = 8 hours Structure: 3 h lectures 2 h practice 2 h seminar presentation 1 h learning</p>	<p><u>During Semester</u> Lectures and final exam (8 h x 15 = 120 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</p>
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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

Kolloquium = 1 x 20 points (max)

1 testing control in practical skills = until 10 points

Seminar presentation = until 10 points

Final exam = until 50 points

SCORE	A	B	C	D	E
Number of points	90-100	80-89	70-79	60-69	50-59

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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