



HIGHER EDUCATION PAIN MEDICINE PROJECT

Analysis of higher education offer of Pain at the Faculty of Medical Sciences in Kragujevac

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List of Abbreviations

CBHE	Capacity Building in Higher Education
D&E	dissemination and exploitation
EACEA	Education, Audiovisual and Culture Executive Agency
EC	European Commission
EU	European Union
GA	Grant Agreement
HCWs	Health Care Workers
HE	Higher Education
HEI	Higher Education Institution
HEPMP	Higher Education Pain Medicine Project
LLL	Life Long Learning
NEO	National Erasmus+ Office
PA	Project Adviser
PA	Partnership Agreement
PC	Project Coordinator
PCC	Partner Country Coordinator
PCs	Partner Countries
PCT	Partner Country Team
PgCC	Programme Country Coordinator
PgCs	Program Countries
PgCT	Programme Country Team
PM	Pain Medicine
PMB	Project Management Board
QCB	Quality Control Board
TL	Task Leader
TLs	Task Leaders
UB	Faculty of Medicine University of Belgrade, Belgrade, Serbia
UBBL	Faculty of Medicine University of Banja Luka, Bosnia and Herzegovina
UF	Faculty of Medicine University of Florence, Italy
UHDM	University Clinical Hospital Centre "Dr Dragisa Misovic-Dedinje" Belgrade, Serbia
UK	Faculty of Medical Sciences University of Kragujevac, Kragujevac, Serbia
ULj	Faculty of Medicine University of Ljubljana, Slovenia
UP	Faculty of Medicine University of Podgorica, Montenegro
UR	Faculty of Medicine University of Rijeka, Croatia
UT	Faculty of Medicine University of Tuzla, Bosnia and Herzegovina
WP	Workpackage

I About the HEPMP project

1.1 The HEPMP project summary

Funding: Erasmus+

Key Action: KA2 Capacity Building in Higher Education

Type of project: Joint Projects

Coordinating Institution: University of Belgrade

The main aim of HEMP project is to increase quality of education in pain medicine in order to contribute to the improvement of public health care services and PCs in line with the Health 2020. In Serbia, Montenegro and Bosnia and Herzegovina there is a significant problem of large percentage of the population who suffers from cancer, rheumatic and neurological diseases, while education in the field of pain medicine is insufficient. In fact, one of the priorities of the strategy Health 2020 improvement of the quality of medical services and continuously adapt to changing patterns of disease. Aim of this project is developing an interdisciplinary program in Pain Medicine at the under / postgraduate studies by applying new methodologies and specific learning outcomes in partner country universities. The introduction of the modernized study program of pain medicine is important for improvement of the quality of higher education that will contribute to improve the health care of the population. Moreover, one of the aims is establishment of academic network that would allow the exchange of knowledge of HCWs in Serbia, Montenegro and Bosnia and Herzegovina. The main tool of this network would be development of educational PAIN REGION WB Network which will enhance regional cooperation and education of pain medicine of all partner country universities.

Also, one of the HEPMP aims is delivering of trainings of pain medicine in order to increase skills and competences of health care workers (HCW) in PCs . Training would be for the two target groups: the first type of courses would be for HCWs who work in primary health care centres and daily dealing with the management of pain medicine, and other types of courses would organized in the form of highly specialized training for interventional treatment of pain for doctors who work in tertiary institutions. During the project will form the learning material in the form of brochures for courses and textbooks on pain.

1.2 The HEPMP project consortium

No	Institution	City	Country
1	University of Belgrade	Belgrade	Serbia
2	University of Kragujevac	Kragujevac	Serbia
3	University of Tuzla	Tuzla	Bosnia and Herzegovina
4	University of Banja Luka	Banja Luka	Bosnia and Herzegovina
5	University of Montenegro	Podgorica	Montenegro
6	University of Florence	Florence	Italy
7	University of Ljubljana	Ljubljana	Slovenia
8	University of Rijeka	Rijeka	Croatia
9	KBC Dr. Dragisa Misovic-Dedinje	Belgrade	Serbia

1.3 The HEPMP Managing Board

No	Name and Last Name	Institution
1	Prof. dr <i>Predrag Stevanović</i> ,	University of Belgrade, Project Coordinator
2	Prof. dr Jasna Jevđić	University of Kragujevac
3	Prof. dr Vladimir Đukić	KBC dr Dragiša Mišović
4	Prof. dr Danko Živković	University of Montenegro
5	Prof. dr Jasmina Smajić	University of Tuzla
6	Prof. dr Darko Golić	University of Banja Luka
7	Prof. dr Anđelo Raffaele De Gaudio	University of Florence
8	Prof. dr Maja Šoštarić	University of Ljubljana
9	Prof. dr Željko Župan	University of Rijeka

II Analysis of higher education offer of Pain at the Faculty of Medical Sciences in Kragujevac

Faculty of Medical Sciences comprises undergraduate, graduate (doctor of medicine, master of pharmacy and dentistry) and postgraduate (specialist and doctoral studies) education.

In the graduate studies of medicine (full name: Integrated academic studies for a doctor of medicine) there are 35 compulsory and 19 optional subjects. The content of lectures, practical training, and what knowledge is expected to be adopted by students after completing every subject is written in corresponding subject curricula. Specialist studies are conducted in 37 different areas and also the content of lectures and practical training is described in detail in their curricula.

Upon review of curricula of all subjects, concerning graduate studies for doctor of medicine and postgraduate studies, we can clearly see that pain is studied only in a few of them:

Study Field	Name of subject/program	Lectures duration
Integrated academic studies for a doctor of medicine	Resuscitation 2	2 hours of lectures
Postgraduate studies- specialist studies	Clinical pharmacology	10 hours of lectures
	Anaesthesiology, resuscitation and intensive therapy	10 hours of lectures

Topic of pain is only mentioned through lectures, with no training required, with exception of anaesthesiology, resuscitation and intensive therapy where we have practical training in areas of regional anesthesia which can be of use in chronic pain management (epidural anesthesia, different peripheral nerve blocks), but no formal training in application of those techniques to chronic pain management itself is not required.

Curriculum of Resuscitation 2 is mainly oriented on therapy of acute traumatic pain, with no mention of chronic pain. In Clinical pharmacology the use of analgesic therapy is reviewed only through different theoretical aspects of pharmacodynamics and pharmacokinetics of agents commonly in use in pain treatment in general.

Curriculum of subjects that are expected to have topics on pain (internal medicine, oncology, surgery, neurology, gynecology with obstetrics) do not mention treatment of pain at all, be it acute or chronic pain. Physiology and pathophysiology of pain hasn't also been studied in corresponding preclinical subjects.

Our Faculty also organizes continued medical education, at least once a week. Concerning topic of pain, there was only one 6 hour course, held in May, 2016: – Basics of pathophysiology, evaluation and treatment of chronic pain.

Strengthening Capacities for Higher Education of Pain Medicine in Western Balkan
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