



Study program: Doctoral Academic Studies in Biomedical Sciences		
Name of the subject: EVIDENCE BASED MEDICINE		
Teacher(s): Mlađan B. Protić, Bojan M. Zarić		
Status of the subject: elective		
Number of ECTS points: 5		
Condition: -		
Goal of the subject Teach students to read critically the medical literature and its interpreters' recommendations in terms of the validity and clinical relevance of the results.		
Outcome of the subject Knowledge: Students should be able to pose clinical problems, find relevant literature data, process that data critically, and finally treat their patients based on valid and meaningful clinical study results. Skills: 1. The skill of searching electronic databases of professional literature. 2. The skill of detecting methodological errors in clinical study design. 3. The skill of writing a systematic literature review report		
Content of the subject <i>Theoretical lectures</i> Introduction to Evidence-Based Medicine (EBM). Why the EBM at all? What is EBM? Steps in implementing EBM. How to answer a clinical question that can be answered? Choosing resources where a clinical problem can be answered. Designing a search strategy. Critical assessment of the validity and clinical relevance of the diagnostic test. Critical assessment of the validity and significance of the clinical study. Critical assessment of the validity and clinical relevance of the study of prognostic factors. Critical assessment of the validity and clinical relevance of systematic review. A critical assessment of the validity and clinical relevance of economic analysis. Critical assessment of the validity and clinical relevance of clinical decision analysis. Critical assessment of the validity and clinical relevance of study drug adverse event findings. A critical evaluation of the validity and significance of clinical guidelines. <i>Practical lectures</i> Students are introduced to EBM web resources. Kohran's database is searched. Exercises to ask a clinical question, ie spotting problems in a particular patient. Analysis of specific examples of diagnostic test studies, randomized controlled clinical studies, prognostic studies, pharmacoeconomic studies, drug adverse drug studies, clinical guidelines and systematic reviews. Students critically evaluate the validity and clinical relevance of specific publications, and discuss their findings with the teacher and other students.		
Literature <i>Compulsory</i> 1. Sackett, David L. et al. Evidence-Based Medicine: How to Practice and Teach EBM. 2 nd ed. New York: Churchill Livingstone, 2000. 2. Straus SE, Richardson WS, Glasziou P, Haynes RB. Evidence-based Medicine. 3 rd edition, Elsevier, 2007.. <i>Additional</i> 1. Bowling A. RESEARCH METHODS IN HEALTH, Investigating health and health services, 2 nd edition, Open University Press, Maidenhead, Philadelphia, 2003		
Number of active classes	Theory: 60	Practice (SRW): 45
Methods of delivering lectures		
Evaluation of knowledge (maximum number of points 100) lectures: 30 written exam: 70		