



Study program: Doctoral Academic Studies in Biomedical Sciences		
Name of the subject: CURRENT ISSUES IN CRITICAL CARE MEDICINE		
Teacher(s): Gordana V. Jovanović, Dušanka S. Obradović, Jovan A. Matijašević, Goran S. Rakić		
Status of the subject: elective		
Number of ECTS points: 20		
Condition:-		
Goal of the subject The main goal of the education is to introduction students with current events in critical care medicine, as well as education in the field of scientific research.		
Outcome of the subject Introducing students to contemporary trends in methods of diagnostics and intensive care of patients as well as clinical research projects whose implementation is underway. Application of knowledge and skills in scientific research work through defining the topic, realization and presentation of the results of scientific research. Each candidate during doctoral studies should write one paper in a journal with an impact factor.		
Content of the subject <i>Theoretical lectures</i> <ol style="list-style-type: none"> 1. Recognition of the critically ill patients 2. Nosocomial infections - prevention and principles of care 3. Parenteral nutrition in critically ill patients 4. Venous thromboembolism 5. Acute respiratory distress syndrome (ARDS) 6. Enteral nutrition in critically ill patients 7. Analgesia and sedation in critically ill children 8. Acute pancreatitis in children <i>Practical lectures</i> <ol style="list-style-type: none"> 1. Introduction to contemporary diagnostic methods and therapeutic procedures in the intensive care 2. Active participation in all phases of treatment of patients in the intensive care unit 3. Training for scientific research work through problem identification, literature review, hypothesis setting, defining research goals and methodologies 4. Introduction to current scientific research projects whose realization in progress. 5. Writing a seminar paper. 		
Recommended literature <ol style="list-style-type: none"> 1. Cresci G.A. Nutrition Support for the Critically Ill Patient: A Guide to Practice. CRC Press-2016. 2. Singer M; Deutschman CS, Seymour CW. The Third International Consensus Definitions for Sepsis and Septic Shock (Sepsis-3); JAMA. 2016; 315(8):801–81. 3. Deutschman C,, Neligan P.. Evidence-Based Practice of Critical Care. Saunders.2010. 4. Vučović D. Intenzivna terapija. Grafopan Beograd 2016. 5. Douketis JD. The 2016 American College of Chest Physicians treatment guidelines for venous thromboembolism: a review and critical appraisal. Intern Emerg Med. 2016;11:1031-1035. 6. Samama CM, Afshari A; ESA VTE Guidelines Task Force. European guidelines on perioperative venous thromboembolism prophylaxis. Eur J Anaesthesiol. 2018;35:73-76. 		
Number of active classes	Theory: 60	Practice: 45
Methods of delivering lectures Lectures. Practical work: demonstration and active participation of students in the in the critical care treatment of patients. Writing a seminar paper.		
Evaluation of knowledge (maximum number of points 100) activities during lectures: 10 practices: 10 colloquium: 20 seminar: 10		

written exam: 20

oral exam: 30