



<b>Study program:</b> Doctoral Academic Studies in Biomedical Sciences		
<b>Name of the subject:</b> CURRENT ISSUES IN SURGERY		
<b>Teacher(s):</b> Lazar U. Velicki, Slobodan P. Grebeldinger, Janko J. Pasternak, Ljiljana V. Gvozdenović, Milan S. Stanković, Ivan M. Kuhajda		
<b>Status of the subject:</b> elective		
<b>Number of points:</b> 20		
<b>Condition:-</b>		
<b>Goal of the subject</b> The main objective of the education is to familiarize students with the current trends in the field of anesthesia, intensive care, diagnostics and treatment of surgical patients, as well as education in the field of scientific and research work.		
<b>Outcome of the subject</b> Introducing students to modern doctrine in the diagnosis and treatment of surgical patients, as well as clinical research projects underway. Applying knowledge and skills in scientific research work by defining a topic, realizing and presenting the results of scientific research. Each student during his doctoral studies should write one research study in a medical journal with an impact factor.		
<b>Content of the subject</b> <i>Theoretical lectures</i> <ol style="list-style-type: none"> <li>1. Liver transplantation</li> <li>2. Endovascular methods in vascular surgery</li> <li>3. Surgical vs. endovascular treatment of intracranial aneurysm</li> <li>4. Modern aspects of plastic surgery</li> <li>5. Minimally invasive surgery of developmental age</li> <li>6. Radical operations in the treatment of urological malignancies</li> <li>7. Contemporary monitoring of patients during anesthesia</li> <li>8. Modern concepts of diagnosis and treatment of malignant tumors</li> <li>9. Damage to the cervical spine</li> <li>10. Modern approaches in breast surgery</li> <li>11. Surgical alternative to heart transplantation</li> <li>12. Current trends in Abdominal Surgery</li> </ol> <i>Practical lectures</i> <ol style="list-style-type: none"> <li>1. Introduction to the most up-to-date diagnostic and therapeutic procedures</li> <li>2. Active participation in all stages of treatment: preoperative patient preparation, operation in the operating room, postoperative treatment of patients in the intensive care unit</li> <li>3. Training in scientific research through problem identification, literature review, hypothesis setting, goal setting and research methodology</li> <li>4. Getting acquainted with current scientific projects underway</li> <li>5. Writing a seminar work.</li> </ol>		
<b>Recommended literature</b> <ol style="list-style-type: none"> <li>1. Jähne J, Königsrainer A, Schröder W, Südkamp NP. Was gibt es Neues in der Chirurgie? Jahresband 2016 : Berichte zur chirurgischen Weiter- und Fortbildung. Heidelberg: Ecomed Verlagsgesellschaft in Hüthig Jehle Rehm, 2016.</li> <li>2. Müller MR, Watzka S. Expertise Thoraxchirurgie. 1 Aufl. Stuttgart: Thieme; 2015.</li> <li>3. Rutherford RB, Cronenwett JL, Johnston KW. Rutherford's vascular surgery. Philadelphia, PA: Elsevier Saunders; 2010.</li> <li>4. Greenberg MS. Handbook of neurosurgery. 8th ed. New York: Thieme; 2016.</li> <li>5. Bünte H. Chirurgie: Naturwissenschaft und Handwerk. München: Urban &amp; Schwarzenberg; 1996.</li> <li>6. Troidl H. Principles and practice of research: strategies for surgical investigators. 2nd ed. Berlin: Springer-Verlag; 1990.</li> <li>7. Wirth CJ, Mutschler WE, Neu J. Komplikationen Kompakt: Orthopädie und Unfallchirurgie. 1 Aufl. Stuttgart: Thieme; 2015.</li> <li>8. De Gryter. Innovative Surgical Sciences, Vol. 16. Berlin, 2016.</li> <li>9. Chirurgie: Mitteilungen der Deutschen Gesellschaft für Chirurgie: eJournal/eMagazine. Stuttgart: Thieme.</li> </ol>		
<b>Number of active classes</b>	<b>Theory:</b> 60	<b>Practice:</b> 45
<b>Methods of delivering lectures</b>		

Lectures. Practical work: demonstration and active participation of students in state-of-the-art diagnostic methods and surgical procedures. Writing a seminar work.

**Evaluation of knowledge (maximum number of points 100)**

activity during the class: 20

practical teaching: 30

seminar work: 10

oral exam: 40