



Study program: Integrated Academic Studies in Dental Medicine			
Course title: Dental Anaesthesiology			
Teacher: Siniša M. Mirkovic, Srečo Đ. Selaković, Ivan N. Šarčev, Branislav V. Bajkin			
Course status: Mandatory			
ECTS Credits: 3			
Condition: -			
Course aim Mastering the theoretical knowledge and practical skills application of local anesthesia in dental practice. Prevention, identification and treatment of complications of local anesthesia. Selection of local anesthetics.			
Expected outcome of the course: Adoption of theoretical knowledge in the domain of dental anesthesia in preparation for practical work in dental practice. Learning practical skills in the application of local, regional and general anesthesia in dental practice.			
Course description <i>Theoretical education:</i> <ol style="list-style-type: none"> 1. The opening hour, the content and scope of the course, definition of local anesthesia and local analgesia 2. Anatomic Considerations 3. Innervation zones of the upper and lower jaw 4. The Armamentarium - syringe, -needle, cartridge 5. Classification of local anesthetic and the indications for operation, superficial anesthesia 6. Techniques of maxillary anesthesia 7. Techniques of mandibular anesthesia 8. Local complications during anesthesia 9. Local anesthetic solutions, definition, structure, development, classification, pharmacological marking 10. Pharmacology of local anesthetics 11. Systemic effects of local anesthetics, the absolute and relative contraindications for the application of a local anesthetic and a vasoconstrictor, the selection of anesthetic in patients at risk 12. Toxic reactions CNS and CVS to LAR protocol operation and treatment 13. Allergy to LAS, working protocol and treatment <i>Practical education:</i> <ol style="list-style-type: none"> 1. Pre-clinical application of terminal anesthesia (video presentation) 2. Accessories for the application of local anesthesia (syringes, needles, ampoules and carpules) 3. The demonstration of the technique on patients - in both jaws 4. Mandatory knowledge test (innervation zones, plexus anesthesia, conductive mandibular anesthesia, indirect method) 5. Applying anesthesia in patients under supervision (each student should give at least one plexus anesthesia and conductive mandibular anesthesia by indirect method) 			
Literature <i>Compulsory</i> <ol style="list-style-type: none"> 1. Mallamed SF. Handbook of Local anesthesia, 6th ed. St Louis, Mosby, 2013. <i>Additional</i> <ol style="list-style-type: none"> 1. Šarčev I. MCQ in Dental Anesthesiology. Faculty of Medicine Novi Sad, 2016. 			
Number of active classes		Theoretical: 30	Practice: 15
Teaching methods Lectures and practical.			
Student activity assessment (maximally 100 points)			
Pre-exam activities	points	Final exam	points
Lectures	15	Written	50
Practices	20	Oral	
Colloquium	15	
Essay			

