



Study program: Doctoral Academic Studies in Biomedical Sciences

Name of the subject: CURRENT ISSUES IN DENTAL MEDICINE

Teacher(s): Milan R. Drobac, Ivan N. Šarčev, Branislav V. Bajkin, Bojana D. Ramić, Igor L. Stojanac, Ivana M. Stojšin, Larisa P. Blažić, Dubravka M. Marković, Danijela J. Đurović-Koprivica, Milica N. Jeremić-Knežević, Ivana R. Kantardžić, Jelena A. Mirnić, Tanja J. Veljović, Aleksandra Z. Maletin, Branislava S. Petronijević Šarčev

Status of the subject: elective

Number of ECTS points: 20

Condition:

Goal of the subject

Acquiring knowledge in contemporary topics of complete dental medicine

Outcome of the subject

Master the skills of up-to-date trends in: endodontics, restorative dentistry, dental anesthesiology, regenerative dentistry, prosthodontics, periodontology, preventive dentistry, current methods of scientific research in dental medicine.

Content of the subject

Theoretical lectures

- Dentin bonding agents: adhesive systems and adhesion strategies
- Dental anesthesiology
- Stem cells in dentistry
- Quality Assessment of marginal dental composite adaptation
- Clinical studies of aesthetic fillings quality
- Extrinsic Causes of Erosive Tooth Wear
- Non - surgical endodontics, actualities and contemporary concepts
- Contemporary impressions techniques in prosthetic dentistry
- Impression taking in implant dentistry
- Contemporary diagnostic and therapy of temporomandibular disorders
- Restoration of endodontically treated teeth-a biomechanical approach
- Investigation of root canal wall cleanliness after retreatment
- Oxidative stress and periodontal disease
- Periodontitis and systemic diseases
- Application of dental resin based luting agents in the retention of highly aesthetic indirect restorations
- Prevention and therapy of early childhood caries
- Composite core materials

Practical lectures

-Seminar paper

Recommended literature

1. Sturdevant's Art and Science of Operative Dentistry, 7th Edition.
2. Malamed, Stanley F. Handbook of local anesthesia. Elsevier Health Sciences, 2004.
3. Eliades G, Watts D.C, Eliades T. Dental hard tissues and bonding. Springer-Verlag Berlin - Heidelberg 2005.
4. Hickel R, Peschke A, Tyas M, Mjör I, Bayne S, Peters M, Hiller KA, Randall R, Vanherle G, Heintze SD (2010) FDI World Dental Federation: clinical criteria for the evaluation of direct and indirect restorations—update and clinical examples. Clin Oral Investig 14(4):349-66.
5. Lussi A, Ganss C. Erosive Tooth Wear From Diagnosis to Therapy. Karger 2014.
6. Dental Impression materials and techniques Amit Punj, BDS, DMDa,*, Despoina Bompolaki, DDS, MSb, Jorge Garaicoa, DDS, MSb
7. Daniele Manfredini (Ed.). Current Concepts on temporomandibular disorders, Quintessence Publishing, 2010.
8. Mannocci F, Giovarruscio M. Restoration of endodontically treated teeth. In: Bun San Chong, editor. Harty's endodontics in clinical practice. London: Elsevier; 2010. p. 269-85.
9. MS Vale, MS Moreno, P. MF da Silva, T. CF Botelho. Endodontic filling removal procedure: an *ex vivo* comparative study between two rotary techniques. Braz Oral Res. 2013;27(6):478-83.

10. Marc Geissberger. Esthetic Dentistry in Clinical Practice. ISBN: 978-0-813-82825-1 Wiley-Blackwell. A John Wiley & Sons, Inc., Publication. 2010.
11. Tinanoff N, Baez RJ, Diaz Guillory C, Donly KJ, Feldens CA, McGrath C, et al. Early childhood caries epidemiology, aetiology, risk assessment, societal burden, management, education, and policy: global perspective. Int J Paediatr Dent. 2019;29:238–48.

Number of active classes	Theory: 60	Practice: 45
Methods of delivering lectures		
Theoretical and practical classes		
Evaluation of knowledge (maximum number of points 100)		
lectures: 20		
essay (Seminar paper): 20		
SRW: 30		
oral exam: 30		