

<b>Study program:</b> Integrated Academic Studies in Dental Medicine
<b>Course title:</b> Propedeutics to Paedodontics
<b>Teacher:</b> Duška D. Blagojević, Bojan B. Petrović, Sanja B. Vujkov
<b>Course status:</b> compulsory
<b>ECTS Credits:</b> 2
<b>Condition:</b> -
<b>Course aim:</b> The objective of the course is to introduce students to paediatric and preventative dentistry and to adopt a basic clinical approach that involves the growth and development of teeth and orofacial structures, diagnostic techniques, planning and treatment techniques in childhood and adolescence.
<b>Expected outcome of the course:</b> <b>Knowledge:</b> It enables the student to understand the importance, role and possibilities of preventive measures and therapy in childhood. <b>Skills:</b> First clinical examination, child behavior and pain control, growth and development, interceptive interventions for space preservation, orofacial injuries, radiographic diagnostics, medical history and treatment planning of therapy in children, application of materials in paediatric dentistry, application of local anesthesia in children, prevention of caries in children and adolescents (fluorides, preventative procedures, minimally invasive caries therapy and OH measures), treatment planning for avital primary and young permanent teeth.
<b>Course description</b> <i>Theoretical education</i> <ol style="list-style-type: none"> <li>1. Introduction to the subject of Propedeutics to Paediatric Dentistry; First visit to the dentist</li> <li>2. Growth and development in childhood</li> <li>3. Principles of diagnosis and treatment planning</li> <li>4. Evaluation of child behavior</li> <li>5. The concept of primary care and prevention of early childhood caries</li> <li>6. Caries risk assessment</li> <li>7. Individual preventive therapy</li> <li>8. Tooth extraction, preservation of the area and interception in children</li> <li>9. Pain control in paediatric dentistry</li> <li>10. Dental materials in paediatric dentistry</li> <li>11. Evaluation and treatment plan for the management of dental trauma</li> <li>12. Diagnosis and therapy plan for the treatment of pulp pathology</li> <li>13. Diagnosis and treatment plan in the treatment of pathology of young permanent teeth</li> <li>14. Teamwork in the approach and plan of therapy in the care of hospital and high-risk patients</li> <li>15. A multi-disciplinary approach in the diagnosis and therapy of dentogenic and focal infections</li> </ol> <i>Practical education</i> Practical classes that accompany the theoretical instruction program will be held at the appropriate Chair of the School of Medicine to familiarize the students with the importance of paediatric dentistry, as well as to discuss current knowledge of oral hygiene methods and materials. <ol style="list-style-type: none"> <li>1. Introduction to the basics of paediatric and dental medicine, the importance and purpose of the first check-up with the dentist, counseling regarding OH measures, and nutritional guidelines for nutrition in early childhood.</li> <li>2. Expected (physiological) clinical finding in the orofacial region, complications in the emergence of the first milk teeth, postnatal anomalies in the number and structure of the teeth.</li> <li>3. Clinical protocol when examining the patient and taking a history, RTG diagnostics and indications in the planning of therapeutic procedures.</li> <li>4. Assessment of the child's level of cooperation and motivation, evaluation of behavior.</li> <li>5. Adoption of concept of early diagnostics and primary prevention, diagnosis, prevention and therapy of early caries of milk teeth, diagnosis of caries feeding on a bottle.</li> <li>6. Method and possibilities of dental caries risk assessment (dental caries tests)</li> <li>7. Use of fluoride in caries prevention, chemical and mechanical plaque control and OH measures.</li> <li>8. Watering fissures and preventative fillings in children.</li> </ol>

9. Early loss of milk teeth, consequences and prevention of space loss, basic guidelines in the application of placeholder, prevention of harmful habits.
10. Local anesthesia in paediatric dentistry, local anesthetics in paediatric dentistry, tooth extraction.
11. Dental materials for conservative dental care, steel crowns.
12. Dental injuries in milk and young permanent teeth, prevention, diagnosis and treatment plan.
13. Therapy plan for the care of avital baby teeth, vital pulpotomy of baby teeth.
14. Apexogenesis, indications for apexification, methods of preserving vital pulp in young permanent teeth, application of calcium hydroxide and mineral trioxide
15. Dental therapy plan for multidisciplinary treatment of hospital and high-risk patients.

**Literature**

*Compulsory*

1. Welbury R, Duggal M, Hosey MT. Paediatric dentistry. Oxford: Oxford University Press, 2005.
2. Koch G, Poulsen S: Paediatric Dentistry - a clinical approach. Copenhagen: Munksgaard, 2001.

**Number of active classes**

**Theoretical classes: 15**

**Practical classes: 15**

**Teaching methods :**

**Student activity assessment (maximally 100 points)**

<b>Pre-exam activities</b>	<b>points</b>	<b>Final exam</b>	<b>points</b>
Lectures	20	Written	20
Practices	20	Oral	40
Colloquium			
Essay			