

Study program: Integrated Academic Studies in Dental Medicine		
Course title: Paediatrics		
Teacher: Slobodan D. Spasojević, Georgios T. Konstantinidis, Jovanka L. Kolarović, Aleksandra S. Stojadinović, Vesna D. Stojanović, Ivana I. Kavečan, Gordana M. Velisavljev Filipović, Danijela R. Jojkić Pavkov, Gordana V. Vijatov Đurić, Tatjana B. Redžek Mudrinić, Ivana I. Vorgučin, Nenad A. Barišić, Vesna S. Pavlović		
Course status: compulsory		
ECTS Credits: 2		
Condition: General and Oral Pathology; Patophysiology; Pharmacology		
Course aim The aim of this course is to get students familiar with paediatric population (aged from 0 to 18 years) and to teach them the basic principles of growth, development and nutrition. The main goal is to teach students to recognize clinical manifestations of common diseases in childhood, to get acquainted with basic diagnostic procedures, differential diagnosis and therapy. The final goal is to educate dentists correct attitude toward this vulnerable population in dental office.		
Expected outcome of the course: During lectures students get basic knowledge about pathogenesis, clinical manifestations and therapy of diseases in population aged 0 to 18 years, with emphasis on differential diagnosis to dental conditions. We strongly emphasize the importance of preventive measures and accurate, correct attitude and skillful communication with patients aged 0 to 18 years and their families. Specificities of history taking, physical examination and treatment.		
Course description <i>Theoretical education</i> 1. Opening lecture. 2. Growth and development: estimation of growth and development and pathology of growth and development. 3. Methodology of physical exam in paediatrics. Morbidity, mortality and healthcare in paediatrics. 4. Genetics: Chromosomes and genes; Patterns of inheritance and inherited disorders; Congenital malformations; Dysmorphology: Importance of inherited diseases in dental medicine. 5. Genetic diseases with repercussions on orofacial region; Inherited diseases in dental medicine; Genetic diagnostics in dental medicine; Genetic counseling in dental medicine 6. Nutrition disorders and nutrition deficiency illnesses; basic principles of diets 7. Endocrinology and metabolic diseases; Juvenile diabetes. 8. Pulmonology: Airways in children; Diseases of upper and lower respiratory tract (anomalies, acute diseases, bronchial asthma) 9. Cardiology: congenital heart diseases; Rheumatic fever; Bacterial endocarditis; Myocardial diseases; Rhythm and conduction disturbances. 10. Immunology: Orofacial manifestations of systemic diseases. 11. Allergology: Urticaria; Quincke edema; Allergic reactions to local anesthetics. 12. Hematology: Anemias; Disorders of hemostasis; Screening of hemostasis; Thrombocytopenia; Coagulopathy; Vasculopathy; Lymph node enlargement; Oncology: Acute leukemias; Lymphoma; Solid tumors. 13. Neuropaediatrics: Paroxysmal non-epileptic disorder of childhood; Epilepsy and epileptic syndromes of childhood; Headache; Treatment of epilepsy and epileptic status. 14. Pharmacotherapy: Pharmacokinetics and pharmacodynamics in children; Doses of the most common drugs used in children; History of medication 15. Emergency and resuscitation in paediatrics: Cardiopulmonary-cerebral resuscitation in paediatrics <i>Practical education</i> 1. Specificities of history taking and physical exam in paediatrics. Patient-doctor relationship, estimation of co operability and general condition of paediatric patient. 2. History taking including genetic history. 3. Dysmorphology exam 4. Cases of inherited diseases related to dental medicine. 5. Endocrinology and metabolic diseases in paediatrics. Juvenile diabetes. 7. Cardiology: congenital heart disease, rhythm and conductance disturbances, myocarditis, bacterial endocarditis. 8. Pulmonology: acute and chronic inflammation of respiratory tract, bronchial asthma. 9. Haematology: anemias, thrombocytopaenias, clotting disorders. 10. Oncology: leukemias, malignancy in childhood. 11. Immunology: orofacial manifestation of systemic diseases. 12. Allergology: anaphylaxis, Urticaria, allergic reactions to local anesthetics. 13. Neurological diseases in childhood, seizures, epilepsy 14. Paediatric healthcare. 15. Cardiopulmonary and cerebral resuscitation in paediatric patient.		
Literature <i>Compulsory</i> 1. Lissauer T, Clayden G. (Eds). Illustrated Textbook of Paediatrics. 5th Edition, Elsevier 2017.		
Number of active classes	Theoretical classes: 15	Practical classes: 15
Teaching methods Lectures. Practical education: history, physical examination, differential diagnosis and therapy. Case reports, workshops.		
Student activity assessment (maximally 100 points)		

Pre-exam activities	points	Final exam	points
Lectures	20	Written	60
Practices	20	Oral	-
Colloquium		
Essay			