



Факултет по дентална медицина
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SYLLABUS

PEDIATRIC DENTISTRY - PART II

1. Oral examination of the child in the dental practice. Risk assessment of oral diseases, preventive programs, treatment plan.
2. Psychological issues in pediatric dental practice – factors, determining the child's behavior, evaluation of dental fear, anxiety, and behavior of the child.
3. Psychological issues in pediatric dental practice – forms of pharmacological and non-pharmacological management of the child's behavior.
4. Caries of primary and permanent teeth in children - anatomical and morphological characteristics, classification.
5. Caries of primary and permanent teeth in children - methods of examination, clinical characteristics, characteristics of acute and chronic caries lesions, rampant caries.
6. Non-operative treatment of caries in primary and permanent teeth in children - diagnostic criteria for assessing caries lesion activity. Indications, methods, and means for non-operative treatment.
7. Operative treatment of caries in primary and permanent teeth in children. Treatment plan, principles in cavity design and preparation.
8. Operative treatment of caries in primary in children. Cavity form characteristics for dental amalgam and resin materials. Preformed metal crowns.
9. Early childhood caries – risk factors, specifics of the clinical characteristics, complications. Treatment and prevention of early childhood caries.
10. Operative caries treatment of permanent teeth in children. Pit and fissure caries. Cavity form characteristics for dental amalgam and resin materials. Minimal intervention techniques of preparation. Preventive restorations.
11. Operative caries treatment of permanent teeth in children – approximal caries, principles in cavity design and preparation.
12. Operative caries treatment of permanent teeth in children - frontal teeth caries. Principles in cavity design and III, IV, and V class preparation.
13. Operative caries treatment of primary and permanent teeth in children – medication. Cavity sealers, liners, and cement bases (advantages and disadvantages). Restorative materials (advantages and disadvantages).
14. Alternative techniques and methods for caries removal in children.

15. Secondary caries at primary and permanent teeth in children. Risk factors, diagnostics, prevention, and treatment.
16. Pulpitis in primary teeth - classification, clinical characteristics, specifics. Vital pulp therapy. Mortal pulpotomy and pulpectomy.
17. Pulpitis in permanent teeth in children - classification, clinical characteristics, symptomatic features of pulpitis in permanent teeth with incomplete root development.
18. Indirect and direct pulp capping – indications, clinical techniques, agents - types, mechanism of action.
19. Partial and total pulpotomy – indications, clinical technique. Treatment of teeth with incomplete root development - expected results.
20. Apical periodontitis in primary and permanent teeth in children - characteristics of periodontal tissue in children, classification.
21. Apical periodontitis of primary and permanent in children - etiology, clinical characteristics, specifics.
22. Treatment of periodontitis in primary teeth – indications, methods, and means.
23. Treatment of periodontitis of permanent teeth with incomplete root development – aim, methods, and means.
24. New clinical protocol in endodontic treatment of permanent teeth with necrotic pulp and incomplete root development in children.
25. Traumatic injuries of primary and permanent teeth. Prevalence, etiology, classification, methods of examination.
26. Traumatic injuries of primary teeth - clinical characteristics and treatment of different types of trauma.
27. Traumatic injuries of permanent teeth in children – Contusio dentis, Subluxatio dentis, Luxatio dentis/Lateral, Intrusio, Extrusio dentis/, Expulsio dentis - clinical characteristics and treatment.
28. Fracture of hard dental tissues in permanent teeth without pulp exposure, clinical characteristics and treatment – techniques for restoration.
29. Fracture of hard dental tissues in permanent teeth with pulp exposure, clinical characteristics and treatment. Root fracture.
30. Complications after trauma of primary and permanent teeth.
31. Extraction of primary teeth – indications, technique, postoperative care, and complications. Anesthesia /premedication, types of anesthesia, means, complications/.
32. Enamel dysplasia /hereditary, congenital, and acquired/ - clinical characteristics and treatment.
33. Dentinal dysplasia – types. Odontogenesis. Dischromasia. Clinical characteristics and treatment.
34. Molar-incisor hypomineralisation – risk factors, diagnostics, and treatment.
35. Periodontal diseases in children – classification, characteristics of periodontium in children, etiology, pathogenesis.
36. Periodontal examination in children.
37. Gingivitis catarrhalis in children – classification, etiology, pathogenesis, clinical characteristics, methods and means of treatment.
38. Gingivitis hypertrophicans in children – classification, etiology, pathogenesis, clinical characteristics, methods and means of treatment.
39. Ulceronecrotic gingivitis in children - classification, etiology, pathogenesis, clinical characteristics, methods and means of treatment.

40. Periodontal diseases in children – aggressive periodontitis – classification, etiology, clinical characteristics, and treatment.
41. Periodontal diseases associated with systematic diseases – clinical characteristics and treatment.
42. Periodontal diseases associated with anomalies in the development or acquired deformations and conditions – clinical characteristics and treatment.
43. Gingivostomatitis caused by mechanical, chemical, thermal, and other factors - clinical characteristics and treatment.
44. Local changes of the oral mucosa in infants and children – clinical characteristics and treatment.
45. Gingivostomatitis of viral origin. Acute herpetic gingivostomatitis.
46. Recurrent oral herpes - etiology, classification, clinical characteristics, and treatment.
47. Oral candidosis – classification, etiology, clinical characteristics, and treatment.
48. Recurrent aphthous stomatitis in children and adolescence.
49. Gingivostomatitis associated with most common infectious diseases in childhood - clinical characteristics and treatment.
50. Gingivostomatitis associated with dermatosis in children - clinical characteristics and treatment.
51. Gingivostomatitis associated with most common blood disorders in children - clinical characteristics and treatment.
52. Gingivostomatitis associated with gastrointestinal diseases in children - clinical characteristics and treatment.
53. Gingivostomatitis associated with hypovitaminosis - clinical characteristics and treatment.
54. Gingivostomatitis associated with most common endocrine disorders in children - clinical characteristics and treatment.
55. Oral manifestations of HIV infection in children – prevalence, clinical characteristics and treatment.
56. Diseases of the lips in children – classification, clinical characteristics and treatment.
57. Diseases of the tongue in children – classification, clinical characteristics, and treatment.
58. General guidelines for treatment of diseases of the periodontal ligament in children – aim of treatment, types of treatment.
59. Oral health in children with systemic diseases - diabetes mellitus, respiratory disorders.
60. Dental erosion and abrasion in children.
61. Child abuse and trauma in the orofacial area in children.
62. Football - risk factor for oral health in children and adolescents.
63. Oral health in overweight and obese children.

SOURCES FOR INDIVIDUAL PREPARATION IN PEDIATRIC DENTISTRY - PART II

1. Richard Welbury, Monty Duggal, MT. *Hosey Pediatric Dentistry*. Fort edition. Oxford University Press, 2012
2. McDonald R, Avery D, Jeffrey A. *Dentistry for the Child and Adolescent*, 9e, 2010

3. Koch, Goran, Poulsen, Sven Pediatric dentistry. Oxford 2009 2nd ed Wiley-Blackwell ISBN 978-1-4051-6100-8
4. Millett, Declan, Wellbury, Richard Edinburgh Orthodontics and paediatric dentistry 2010, 2-nd ed. Churchill Livingstone & Elsevier, series: Clinical problem solving in dentistry ISBN 978-0-7020-3124-3
5. R. McDonald, D. V. Avery Dentistry for the child and Adolescent, 1994
6. R. Mathewson, R. Primosch Fundamentals of Pediatric Dentistry - Quintessence Publishing, 1995
7. R. Welbury Paediatric Dentistry, 1999
8. Lecture course in Pediatric Dentistry-Part II, Department of Pediatric Dentistry- Plovdiv

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