

TOPICS OF THE PAEDIATRIC DENTISTRY

I.

1. Complex prevention in Paediatric Dentistry
2. Adequate nutrition (sugar substitutes and sweeteners). The role of oral hygiene and saliva
3. Early treatment, fissure-sealing
4. Application of fluorides
5. Causes and treatment of the discolouration of the primary and permanent teeth
6. Oral health education (pregnant women, children, caretakers)
7. Regular control of teeth development, early recognition of anomalies
8. Taking care of children prone to dental diseases
9. Persistent primary teeth, serial extraction (Hotz)
10. Up-to-date caries diagnostics
11. The development of caries, caries theories and indices
12. Organization, registration and evaluation of epidemiological studies
13. Aetiology of MIH, differential diagnostics
14. The diagnostics and prevention of dental problems in adolescence (piercing, smoking, inadequate nutrition)
15. Teeth development, eruption and their anatomy
16. Concept of a Dental Home and its establishment
17. Paediatric dentistry, as a particular field in dentistry and its connections to other dental specialties
18. The mechanism of tooth eruption; physiological and pathological phenomena
19. Aetiology and epidemiology of caries
20. Psychological aspects of the dental treatment in childhood
21. The definition, causes and treatment of erosion, attrition and abrasion
22. The most important speech and language disorders, their importance in Paediatric
23. Dentistry, cooperation with the speech therapist

II.

- 1. Ambulant oral surgery in childhood and adolescence**
- 2. Local anaesthesia in childhood**
- 3. Treatment of children with special needs**
- 4. Radiology in paediatric dentistry**
- 5. Abnormalities of tooth form and structure in the primary and permanent dentition and their management**
- 6. Periodontal diseases in childhood and their treatment**
- 7. Aetiology and treatment of the diseases of the gingiva and oral mucosa**
- 8. Dentures for children**
- 9. Traumatic injuries and their treatment in primary dentition**
- 10. Traumatic injuries (fractures) of permanent teeth and their complex treatment**
- 11. Numerical and eruption anomalies of primary and permanent teeth and their treatment**
- 12. Caries in primary dentition and its management**
- 13. Consecutive diseases due to caries of the primary teeth and their treatment**
- 14. Relationship between the caries of primary and permanent teeth**
- 15. Caries of permanent teeth and their treatment**
- 16. Consecutive diseases due to caries of the permanent teeth and their treatment**
- 17. Modern filling materials in Paediatric Dentistry**
- 18. Root canal treatment of immature permanent teeth; apexification and apexogenesis**
- 19. Non-and minimally invasive treatment methods in Paediatric Dentistry**
- 20. Comparison of the root canal treatment of primary and permanent teeth**
- 21. Traumatic injuries (luxations) of permanent teeth and their complex treatment**
- 22. Management of children with cleft lip and palate**

III.

- 1.** Diagnostics of dental anomalies
- 2.** Medication in the paediatric dental practice (antimicrobial drugs)
- 3.** Premedication, postmedication
- 4.** Dental anomalies in the primary dentition
- 5.** Treatment of children with systemic diseases (cardiovascular diseases, diabetes)
- 6.** Application of myofunctional trainers
- 7.** Haematopoietic disorders: oral symptoms and special aspects of the dental care
- 8.** Infectious diseases in childhood and their oral manifestations
- 9.** Medication in the paediatric dental practice (analgetics, antifungals, local treatment)
- 10.** The most frequent syndromes in childhood, endocrinopathies
- 11.** Oral manifestations of systemic diseases (respiratory and kidney diseases; illnesses
- 12.** accompanied by cramping)
- 13.** Local dental disorders in the mixed dentition
- 14.** General disorders in the mixed dentition
- 15.** Parafunctions (etiology, prevention and therapy)
- 16.** Deleterious oral habits causing dental anomalies
- 17.** Acute inflammation of the nose, the sinuses, the tonsils and the pharynx
- 18.** Periodontal diseases in childhood and their prevention
- 19.** Oxiology in the dental office
- 20.** Dental focal infection in childhood
- 21.** Serious inflammations originating from the teeth, indications for hospitalization
- 22.** Aetiology of dental anomalies
- 23.** Premature extraction of primary teeth, preventing the consequences