

SYLLABUS IN DENTAL PREVENTION

1. Basics of dental prevention – aim, basic directions, types, strategies and forms of dental prevention - responsibilities of the society, resources for dental prevention.
2. Etiology of dental caries – role of primary factors.
3. Etiology of dental caries – role of secondary factors.
4. Pathogenesis of dental caries - contemporary opinion, exchange processes in the enamel /posteruptive mineralization, demineralization and remineralization of enamel/.
5. Histopathology of dental caries in the enamel - criteria for stage differentiation, stages, zones of carious lesion, characteristics of the carious process in childhood.
6. Histopathology of dental caries in the dentin – stages, caries cone, features of the carious process in childhood.
7. Oral hygiene - dental plaque, structure, pathogenic potential.
8. Oral Hygiene - assessment of dental plaque accumulation and reaccumulation /methods and means/.
9. Oral hygiene – mechanical control of dental plaque, factors determining the effectiveness, methods and means for personal and professional oral hygiene, features in childhood.
10. Oral hygiene – chemical control of dental plaque, factors determining the effectiveness, means for personal and professional oral hygiene.
11. Nutritional prevention of oral diseases – preresorptive and postresorptive influence of the diet /role of carbohydrates, sugar substitutes/.
12. Nutritional prevention of oral diseases – preresorptive and postresorptive influence of the diet /role of proteins, fats, minerals and vitamins/.
13. Fluoride prevention of dental caries - fluoride metabolism in the human body, mechanisms of caries preventive action, positive effects of fluoride.
14. Fluoride prevention of dental caries - toxicology of fluoride, risks for overdose, clinical view and indices for assessment of dental fluorosis.
15. Endogenous fluoride prevention – mechanisms of action, optimal daily doses, methods and means.
16. Local fluoride prevention – mechanisms of action, methods and means.

17. Prevention of dental caries with mineralizing agents - aim, indications, mechanisms of action, factors determining the efficiency, methods and means.
18. Prevention of dental caries with dental sealants - aim, indications, mechanism of action, factors determining the efficiency, methods and means.
19. Epidemiology of dental caries - contemporary tendencies, indices for evaluation, determining factors, global goals of WHO.
20. Epidemiological study of dental caries – purpose, organization /determining the volume of the study, subject of surveillance, target groups, units of observation, standardization of the contingent, documentation, calibration of the teams/.
21. Epidemiological study of dental caries - statistical indicators /epidemiology of dental caries, tooth decay intensity, activity of dental caries, reduction of dental caries/.
22. Evaluation and prediction of the risk of oral diseases, systems for risk assessment, individual oral risk profile.
23. Preventive programs - types, goals, organization and control.
24. Promotion of oral health - guidelines, principles, strategies, process of health promotion, methods of health promotion, health education

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