Preventive Dentistry and Cariology

1. Predilect places for dental caries.
   The principles of general communication with children. The principles of communication with different age groups children.
   Fluorides in dental caries prevention. Mechanism of effect, toxicity.

2. Preventive aspects during dental caries treatment with filling.
   Complex examination, treatment plan.
   Nutrition significance, nutrition habits analysis.

3. Professional oral hygiene. Instruction of children or accompaniment.
   Dental caries diagnosis according to its localization.
   Preparation trauma.

   Intraoral assessment of oral hygiene level. Plaque detection, toothpastes, information about their application.
   Prevention and prophylaxis in stomatology.

5. Fluoride in dental caries prevention. Systemic application and local fluoridation, evaluation according to safety and effectiveness.
   Preparation for amalgam, principles.
   Hygiene of dental ordination.

6. Periodontium examination.
   Preventive filling, indication, procedure.
   Absolute and relative dry area.

   Caries incipient, detection and therapy.
   Home oral hygiene tools. Interdental hygiene. Interdental toothbrushes, strips, floss, superfloss, toothpicks.
   Irrigation and its significance.

   Dental pulp and dentin wound protection. Means, procedure. Liners and bases use.
   Critical pH of saliva, origins and its consequences, saliva pH measure.

   Histopathology of dental caries.
   Primary, secondary, tertiary prevention.

10. Dental caries on deciduous dentition, epidemiology, localization, spreading.
    Preventive care for oncological patients.
    Fluoride concentration in pack, spring and mineral waters, juices and drinks.


17. Proximal caries on permanent teeth with unfinished development, preparation and therapy. Direct and nondirect assessment of stomatological treatment quality. The principles of examination instruments use.


22. Principles of communication with handicapped patient and his accompaniment. Ten principles of communication with patients with hearing and visual handicap.
Filling polishing.
Prevention and symptoms of developmental enamel disorders.

23. Treatment of caries ad pulpar penetrans.
Indices as part of patient complex examination.
Workprocedure of the II-nd class cavity according to Black preparation for amalgam filling.

Preventive programme for handicapped patients.
The principles of communications with seniors.

25. Instruments and equipment for dental plaque and calculus removing, technique of use.
Prevention during the prosthetics treatment.
Dental caries treatment of permanent teeth with unfinished development occlusal surfaces.

Dry area, indication and procedure.
Early childhood caries, epidemiology, localization, prevention, spreading.

27. Histology of dental tissues.
Home dental care, tools, procedure.

Patient documentation, content, procedure.
Xylitol in dental caries prevention.

29. The principles of preventive programme for children.
Erosion, wedge shape defects. Symptoms, prevention possibilities.
Plaque detection, possibilities, procedure, significance.

30. The principles of preparation for adhesive fillings.
Effective information and motivation of patients, their parents and carers.
The principles of communication with patient. Verbal and nonverbal communication.

Basic and additional preventive programmes.
Demineralization and remineralization of hard dental tissues, resistance and solubility.

32. Caries on the gingival part of the crown, spreading, detection, treatment.
Calculus, etiology, removing.
Treatment plan.

The child in the dental office. The first visit of the dentist.
Overhanging filling, origins, consequences.
34. Dental hard and soft tissues damage at professional oral hygiene.
   Radiodiagnosis of dental caries, Bite-wing radiogramme, indication, procedure, carious lesions classification D1-D4.
   The mistakes of filling modeling. Nonsparing manipulation with instruments.

   Oral hygiene at difficult conditions.
   Oral health, significance and WHO aims.

36. Dentition examination, additional tests.
   Cements for bases, properties, indications.
   Local fluoridation, indication, means, mechanism of effect.

37. Habitual unclean places, their significance. Dental caries prevention.
   Dental amalgam, indications, prepare and filling make.
   Epidemiology of dental caries and parodontopathies, WHO aims.

38. Calculus, types of instruments for calculus removing.
   Cariogenic and noncariogenic sweeteners.
   Identification of individuals and risk groups. Microbiological tests, evaluating methods.
   Dentocult.

   Psychotherapeutical preventive methods, methods facilitating and conduciving the treatment, cooperation with psycholog and psychiatrist.

   Dental care for seniors. Strangenesses of dental caries treatment at old patients.
   Therapy finishing and control of treatment.