

## **SYNOPSIS FOR STATE EXAMINATION OF CONSERVATIVE DENTISTRY**

1. Etiology and pathogenesis of the dental caries.
2. Classification and pathomorphological characteristics of the dental caries.
3. Clinic and differential diagnosis of the dental caries.
4. Early diagnosis of the dental caries - clinical characteristics and treatment without restoration.
5. Dentin caries - types, main characteristics and treatment.
6. Non-aesthetic filling materials - types, basic physical and chemical characteristics, indications and contraindications.
7. Aesthetic filling materials - types, basic physical and chemical characteristics, indications and contraindications.
8. Aseptics and antiseptics in conservative dentistry.
9. Factors affecting the location of the cavo-surface margins of the cavities.
10. Class one cavities for non-aesthetic plastic materials. Basic configurations and characteristics.
11. Class five cavities for non-aesthetic plastic materials. Basic configurations and characteristics.
12. Class two cavities for non-aesthetic plastic materials.
13. Cavities for cast restorations.
14. Class three cavities for aesthetic plastic materials. Characteristics of the main configurations.
15. Class four cavities for aesthetic plastic materials. Characteristics of the main configurations.
16. Class five cavities for aesthetic plastic materials. Basic configurations and description.
17. Class one and two cavities for aesthetic plastic materials.
18. Patient's preparation for treatment with definitive restorations.
19. Biomechanical problems with restorations made of different restorative materials.
20. Fabrication of dental amalgam restorations.
21. Fabrication of cast metal inlays.
22. Fabrication of aesthetic material restorations.

23. Anesthesia for the purposes of the cariology and endodontics.
24. Self-threading pins.
25. Secondary caries.
26. Dental hyperesthesia.
27. Non-carious diseases of the hard dental tissues - erosion, abfraction, dental fluorosis.
28. Clinical symptoms and diagnosis of acute pulpitis.
29. Clinical symptoms and diagnosis of chronic pulpitis.
30. Reversible and irreversible diseases of the dental pulp. Clinical characteristics and prognosis.
31. Clinical symptoms and diagnosis of acute periapical periodontitis.
32. Clinical symptoms and diagnosis of chronic and exacerbated periapical periodontitis.
33. Difficult differential diagnosis in endodontics.
34. Preparation of endodontic access with disclosure of the pulp and orifices.
35. Chemo-mechanical preparation for root canal obturation.
36. Mistakes in chemo-mechanical preparation for root canal obturation.
37. Root canal filling.
38. Posts and cores. Types. Biomechanical problems. Indications and contraindications. Placement technique.
39. Biological methods for treatment of the dental pulp.
40. Vital methods for treatment of the dental pulp.
41. Microbiology of endodontic infections – microbial characterizations. Bacteroides. Collection of microbial sample from a root canal and microbial identification.
42. Features of the endodontic microflora. Conditions and pathways of microorganisms in dental pulp and periodontal tissue.
43. Teeth whitening.
44. Criteria and methods for evaluation the results of endodontic treatment.
45. Retreatment in endodontics.
46. Restoration of teeth with significant destruction of the clinical crowns.
47. Endodontic emergency assistance.
48. Endodontic surgery.

## **Dental Physiotherapy**

1. Electric pulp testing in cases of hard dental tissues and dental pulp diseases.
2. Physical methods for treatment of hard dental tissues and dental pulp diseases.
3. Physical methods for treatment of infected necrosis of the pulp and periapical periodontitis.
4. Physical methods for treatment of infected root canals.