

Synopsis for oral exam on clinic of Conservative Dentistry

1. Dental caries - classifications. Basic principles for establishment and critical analysis of existing classifications.
2. Pathomorphological characteristic of acute and chronic dental caries.
3. Clinical and paraclinical characteristic of different types of dental caries.
4. Differential diagnosis of dental caries.
5. Early diagnosis of dental caries - a critical analysis of the principal methods.
6. Methods and devices for the treatment of initial carious lesions / white lesions /.
7. Medical and biological foundations of dentin treatment.
8. Secondary caries. Definition, etiology, pathogenesis.
9. Secondary caries. Clinical symptoms and differential diagnosis.
10. Prevention of secondary caries.
11. Types and causes of dental hyperaesthesia.
12. Clinical symptoms, differential diagnosis and treatment of dental hyperaesthesia.
13. Noncarious diseases: abfraction, erosion, abrasion. Etiology, clinical symptoms, differential diagnosis and treatment.
14. Traumatic injuries permanent teeth. Clinical and paraclinical characteristic, treatment.
15. Basic indicators to assess the clinical condition of teeth with extensive destruction of the clinical crown.
16. Analysis of existing tooth structure for preparation of restoration with significant damage of the clinical crown.
17. Basic requirements to the tooth preparation on considerable destruction affecting different parts of the dental crown.
18. Composite inlays. Indications and contraindications, characteristic of cavities for composite inlays.
19. Fabrication methods for composite inlays.
20. Critical analysis of direct composite restorations and composite inlays.
21. Atrophy and dystrophy of the dental pulp. Basic symptoms. Differential diagnosis. Treatment and prognosis.
22. Pulp stones. Clinical symptoms. Differential diagnosis. Treatment.
23. Pathology of the blood vessels. Clinical symptoms and paraclinical characteristics. Differential diagnosis. Reversible and irreversible changes. Treatment.
24. Acute pulpitis. Clinical symptoms and paraclinical characteristics. Reversible and irreversible processes. Differential diagnosis. Treatment.
25. Chronic pulpitis. Clinical symptoms and paraclinical characteristics. Differential diagnosis. Treatment.
26. Dental pulp - biological treatment methods - medical and biological foundations.
27. Indirect pulp capping. Technique, medicines, prognosis.
28. Direct pulp capping. Technique, medicines, prognosis.
29. Biological methods for treatment of the dental pulp. Indications and contraindications. Critical analysis.

30. Vital pulpotomy. Indications, contraindications, medication, prognosis.
31. Vital pulpectomy. Objective, anatomical preconditions. Indications and contraindications. Prognosis.
32. Vital pulpectomy. Technique. Possibilities to achieve effective anaesthesia. Selection of root filling materials.
33. Acute periodontitis. Clinical symptoms. Differential diagnosis.
34. Treatment of acute periodontitis.
35. Chronic periodontitis. Clinical symptoms and paraclinical characteristics. Differential diagnosis.
36. Treatment of chronic periodontitis.
37. Exacerbated chronic periodontitis. Clinical symptoms and paraclinical characteristics. Differential diagnosis. Particularities in the treatment of exacerbated periodontitis.
38. Nature and characteristics of the healing process after endodontic treatment of irreversible pulpitis and periodontitis.
39. Emergency endodontics. Definition and nature of the problem. Particularities of emergency endodontics.
40. Main objectives of the emergency endodontics and ways to achieve them.
41. The most frequent diagnosis - subject of emergency endodontics. Evidence based treatment.
42. Main components of post and cores restoration following an endodontic treatment. Purpose, indications and contraindications of posts and cores.
43. Classification of posts. Requirements and biomechanical problems with posts
44. Practical approaches with the main types of posts. Errors and complications.
45. Indications, complications and clinical stages of cast post restorations.
46. Mistakes and complications during or after endodontic treatment.
47. The main reasons for difficulties or incorrect diagnosis in endodontics.
48. Main symptoms, diagnosis and prognosis of cracks and fractures of hard dental structures associated with endodontic clinical practice.
49. Nonodontogenic units mimicking endodontic diseases - anatomical structures and pathological changes.
50. Problems during endodontic retreatment cases.
51. Reasons and methods of retreatment of endodontically treated teeth.
52. Basic techniques of endodontic surgery. Incision for drainage.
53. Apical surgery. Purpose, indications, contraindications. Basic techniques. Retrograde preparation and retrograde filling of the root canal. Postoperative care.
54. Endodontic surgery - resection of root, hemisection and bicuspidization.
55. Endodontic microbiology. Characteristics of endodontic microbiota. Control of microflora in endodontic diseases.
56. Bleaching treatment - basic techniques and tools. Prevention of complications.

Synopsis for the written exam on clinic of Conservative Dentistry

1. Clinical and paraclinical differentiation of acute and chronic carious process.
2. Differential diagnosis of deep caries.
3. Opportunities and critical analysis of X-ray diagnosis of primary carious lesions.
4. Cavity preparation – mistakes leading to secondary caries.
5. Cavity restoration with dental amalgam – mistakes leading to secondary caries.
6. Differential diagnosis of dental hyperesthesia.
7. Indications and contraindications for cast inlays.
8. Reversible and irreversible inflammatory diseases of the dental pulp.
9. Differential diagnosis of pulp hyperaemia.
10. Differential diagnosis of acute purulent total pulpitis.
11. Differential diagnosis of chronic ulcerous pulpitis.
12. Indications and contraindications for biological treatment of the dental pulp - direct and indirect pulp capping.
13. Indications and contraindications for the vital pulp extirpation (pulpectomy).
14. Differential diagnosis of acute purulent periodontitis.
15. Differential diagnosis of chronic diffuse periodontitis.
16. Technique for cleaning the root canal system in case of periapical abscess.
17. Biomechanical rules for application of posts.
18. Indications and contraindications for endodontic apical surgery.
19. Indications and contraindications for resection, for root hemisection and bicuspidization.
20. Removal of root canal content in retreatment of teeth with performed endodontic treatment.
21. Intraligamental anesthesia.
22. Intrapulpal and intrabone anesthesia.
23. Critical analysis of the materials used for cores.
24. Endodontic microbiology - types of endodontic microflora. Bacteroides.
25. Endodontic microbiology - conditions and routes of root canal infection to the dental pulp and periodontium.
26. Endodontic microbiology - rules for successful microbiological sample collection in endodontics.
27. Discolorations of the teeth - reasons.
28. Bleaching treatments– complications.