

Questions for final state exam

1. 1. Esthetic filling in operative dentistry
 2. Pulp-dentin organ, morphology and functions, pulp-periodontal complex
 3. The process(es) of tooth eruption, disorders linked to the eruption of the teeth
 4. Precancerosis of oral mucosa- classification, clinical manifestations, differential diagnosis, principles of therapy
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2. 1. Glassionomer cements, composition, properties, indications, clinical use
 2. Dental pulp and its reaction to different stimuli, factors that influence the dental pulp, clinical meaning
 3. Time factor in the incidence of dental caries in primary dentition
 4. Classification of surgical methods of periodontium treatment
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3. 1. Esthetic filling materials, indications, contraindications
 2. Root canal shaping, instruments, techniques
 3. Diseases of lymph nodules in children
 4. Esthetics of periodontium, the influence of marginal periodontitis on the periodontium esthetics, papilla and its changes
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4. 1. Preparation of tooth decay - traditional and alternative techniques, instruments
 2. Regressive and dystrophic changes of dental pulp, changes of dental tissues in old age
 3. Traumatic dental injuries in children, classification, etiology, management of the first aid
 4. Glossodynia and stomatodynia
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5. 1. Dental caries, definition, etiology, prevention, indexes
 2. Inflammation of dental pulp, histopathological and clinical classification
 3. Diseases of mucosa and soft tissues in children
 4. Classification of bone substitutes and membranes used for periodontium regeneration
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6. 1. Dry field, working procedure, mistakes
 2. States of dental pulp, clinical classification, signs of reversibility and irreversibility
 3. Late consequences of trauma to primary teeth
 4. Classification of gingival recessions, etiology, therapy

7. 1. Dental amalgam: composition, properties, indications, principles of processing, mercury issue
 2. Acute inflammation of dental pulp: etiology, clinical manifestations, diagnosis, treatment
 3. Dental age – the beginning of the development of the crown, the beginning of the mineralization, teeth eruption and termination of the development of the apex.
 4. Symptom of white surface, differential diagnosis
8. 1. Erosion of hard dental tissues, diagnosis, treatment possibilities
 2. Caries pulpa proxima and caries ad pulpam penetrans: clinical manifestations, diagnosis, treatment
 3. Apexogenesis, definition, therapeutic steps, aims of the apexogenesis
 4. Nonsurgical treatment of marginal periodontitis
9. 1. Cements in operative dentistry
 2. Chronic inflammation of dental pulp: etiology, clinical manifestations, diagnosis, treatment
 3. The treatment of dental caries in primary dentition in terms of the age of the patient (undertreatment, overtreatment, optimal therapy)
 4. Manifestations of diabetes mellitus in oral cavity
10. 1. Teeth restorations with use of direct and indirect retention elements
 2. Necrosis and gangraena of dental pulp: etiology, clinical manifestations, diagnosis, treatment
 3. Prevention of dental caries according to the age of the patient – application of fluorides, oral hygiene, the role of the diet
 4. True and false periodontal pocket
11. 1. Classification of carious cavities, general principles of preparation, preparation trauma
 2. Acute inflammation of apical periodontium: etiology, clinical manifestation, diagnosis, treatment
 3. Communication and behavioral guidance of the child patient during dental examination, taking medical history and communication with parents
 4. Manifestations of vitamins metabolism disfunctions on the oral mucosa

12. 1. Preparation of tooth decay - traditional and alternative techniques, instruments
2. Chronic inflammation of apical periodontium: etiology, clinical manifestations, diagnosis, treatment
3. Hyperdontia, hypodontia and morphological anomalies of the teeth
4. Principles of prosthetic treatment of teeth with periodontal diseases

13. 1. Dental amalgam: composition, properties, indications, processing, corrosion, mercury issue
2. Chemical and traumatic apical periodontitis, flare up: causes, clinical manifestations, treatment
3. Tooth vitality assessment of the teeth with open apex (immature teeth)
4. Principles of implantological treatment in patients with marginal periodontitis

14. 1. Dentin hypersensitivity, treatment of sensitive dentin
2. Pulp-periodontal lesions: classification, clinical manifestations, treatment
3. Morphological differences of primary teeth leading to increased caries risk
Morphological differences between primary and permanent dentition
4. Failure of saliva secretion, Škach's test

15. 1. Esthetic filling in operative dentistry
2. Preparation trauma, iatrogenous damage in operative dentistry and endodontics, prevention
3. The treatment of dental caries in young permanent teeth (teeth with open apex – nonterminated development of the apex), therapeutic steps, complications
4. Hemixtraction and root amputation from the point of periodontal indication

16. 1. Flow composite resins, compomers, composition, properties, indications, working procedure
2. Acute states in endodontics, examination algorithm, treatment possibilities
3. Concussion and subluxation of permanent teeth in children – diagnosis, therapy, complications
4. Treatment planning of the periodontitis, general principles

17. 1. Dentin hypersensitivity, treatment of sensitive dentin
2. Imaging techniques in endodontics, apexlocators
3. Preventive resin restoration (sealed composite resin restoration) in primary and permanent dentition – division, indication, sealant technique
4. Resective surgical therapy of marginal periodontitis

18. 1. Dental plaque in tooth decay etiology, composition and characteristics of dental plaque, factors influencing on development and pathogenity of dental plaque
2. Direct and indirect pulp capping: indications, procedure, complications
3. Avulsion of permanent teeth in children – diagnosis, therapy, complications
4. Glossitis

19. 1. Composite fillinig in anterior and posteriori teeth, indications, contraindications, working procedure
2. General anatomy of root system, types of root canals, anatomy of apex, physiological and pathological changes in root morphology
3. Morphology of fissures in primary and permanent dentition, characteristics, classification, level of caries risk
4. Relation of articulation and periodontitis, primary and secondary occlusal trauma. Adjustment of articulation and aim of adjustment

20. 1. Initial carious lesion, diagnosis, methods of treatment
2. Standardization and classification of endodontic instruments
3. Teeth with open apex (immature teeth) – definition, classification, Hertwig's epithelial root sheet
4. Agressive periodontitis

21. 1. External and internal teeth bleaching
2. Root canals shaping, instruments, techniques
3. Primary teeth – pulp disease, diagnosis, therapy, complications
4. Manifestations of AIDS in oral cavity

22. 1. Histopathology and clinical manifestations of dental caries: caries of enamel, dentin and cement
2. Rotary shaping of root canals, instruments
3. Prosthodontic treatment of primary teeth in children, the differences between children and adults
4. Allergic reaction on oral mucosa

23. 1. Dentin, pulpal, periodontal pain: characteristics, etiology and development, differential diagnosis
2. Disinfectants in endodontics, irrigation of root canal
3. Primary teeth, early childhood caries, window period, risk and protective factors
4. Viral diseases of oral cavity

24. 1. Operative dentistry and metastatic opportunistic infection
2. Disinfectants in endodontics, disinfectious liner for root canals
3. Behavior guidance of children with behavioral disorders – psychotherapy, premedication, postmedication, analgosedation, general anesthesia
4. Differential diagnosis of ulcers in oral cavity

25. 1. Preparation trauma and its prevention, dental pulp reactions, protection of dental pulp
2. Calcium hydroxide in cariology, endodontics, remedies, use
3. Fissure sealing – primary and permanent teeth, indication, sealants technique, materials used for fissure sealing
4. Gingivostomatitis herpetica

26. 1. Epidemiology of dental caries, cariosity index, risk groups, oral health, WHO aims
2. Temporary filling in endodontics, tooth preparation before endodontic treatment (preendodontic restoration)
3. Acquired and developmental defects of enamel and dentin
4. Noninflammatory periodontopathies – classification, etiology, treatment

27. 1. External and internal teeth bleaching
2. Pharmacology in operative dentistry and endodontics
3. Indications and contraindications to extraction of permanent teeth in children
4. Local etiological factors of periodontitis

28. 1. Dentin wound and its treatment, materials for bases
2. Indications and contraindications of endodontic treatment
3. Crown - root fracture of permanent teeth in children – diagnosis, therapy, complications
4. Chronic periodontitis

29. 1. Current access to dental caries, treatment and prevention
2. Indications and contraindications of endodontic treatment
3. Extrusive, lateral and intrusive luxation of permanent teeth in children – diagnosis, therapy, complications
4. Specific inflammatory diseases- manifestations in oral cavity

30. 1. Examination in operative dentistry and endodontics, treatment plan
2. Dental pulp extirpation, indications, procedure, mistakes
3. Management of the medically compromised patient (patients with special health care needs, long term hospitalized patients)
4. Periodontal abscess – development, clinical manifestations, therapy

31. 1. Peculiarities of dental treatment of patients with general diseases, radiation tooth decay, treatment possibilities, hygienic programme
2. Dental pulp extirpation, indications, procedure, mistakes
3. Complicated fracture of the crown of permanent teeth in children – diagnosis, therapy, complications
4. Principles of the splinting of teeth with periodontitis

32. 1. Imaging methods in operative dentistry, techniques, interpretation
2. Rotary endodontics
3. Direct pulp capping, partial pulpotomy, cervical pulpotomy – definition, indication, methods of operation, healing potential of the tissue, complications
4. Immune system and protective mechanisms of oral mucosa

33. 1. Composite filling materials, flow composite resin, compomers- properties, indications
2. Temporary filling in endodontics, tooth preparation before endodontic treatment (preendodontic restoration)
3. Disorders of salivary glands in children
4. Stomatitis angularis

34. 1. Changes of dental tissues in old age, operative dentistry of older patients
2. Isolation of working field, rubberdam in endodontics, root canals irrigation
3. The issue of labial and lingual frenum – stages, indication, therapy

4. Stomatitis aphthosa – classification, etiology, clinical manifestations, differential diagnosis, therapy

35. 1. Composite filling materials, adhesive systems, adhesion in enamel and dentin, practical use, mistakes

2. General rules of root canal shaping, safe and working length of root canal

3. Diagnosis of dental caries in children

4. Anatomy and histology of the periodontium

36. 1. Diagnosis of dental caries, X-ray image, bite-wing image

2. Techniques and methods of root canal shaping

3. Prevention of dental caries in pits and fissures

4. Antiseptic remedies in periodontopathies treatment

37. 1. Current view of caries treatment by fillings, fillings quality evaluation

2. Coronal flaring and shaping of the middle and apical parts of root canal

3. Injuries of hard dental tissues and pulp of primary teeth – diagnosis, therapy and complications

4. Stomatitis soorica

38. 1. Diagnosis of dental caries, X-ray image, bite-wing image

2. Rotary shaping of root canals

3. Primary teeth – deep carious lesion, therapy, complications

4. Gingivitis – classification, etiology, clinical manifestations, principles of treatment

39. 1. Histopathology and clinical manifestations of dental caries: caries of enamel, dentin and cement

2. Complications in endodontics, classification, prevention

3. Apexification – definition, therapeutical steps, types of healing, alternative possibilities of therapy

4. Classification of periodontal diseases

40. 1. Prevention aspects in operative dentistry (cavities preparation, application of filling materials, fillings trimming and polishing)

2. Equipment of endodontic office, instruments and devices

3. X-ray examination in pediatric dentistry – indication, commonly used radiographic techniques

4. Toxic reaction on oral mucosa

41. 1. Defects of gingival third of tooth crown, root caries, circular caries

2. Condensation methods of root canal filling

3. The replacement of missing teeth in primary dentition, indication, types of prosthodontic replacement

4. Periodontal pathogens- classification, meaning

42. 1. Noncarious defects of hard dental tissues, diagnosis, treatment possibilities

2. Pulp-periodontal diseases, classification, clinical manifestations, treatment

3. Consequences of early loss of primary and permanent teeth on the development of the dentition

4. Antibiotics in periodontal treatment

43. 1. Amalgam filling, composition, clinical procedure of the treatment of central and

combined cavity, mistakes

2. Acute states in endodontics, treatment possibilities
3. Delayed tooth eruption – local causes, systemic causes, management of the therapy
4. Meaning of attached gingiva, mucogingival problems

44. 1. Caries pulpa proxima and caries ad pulpam penetrans: clinical manifestations, diagnosis, treatment

2. Differential diagnosis of acute and chronic states in endodontics
3. Indications and contraindications to extraction of primary teeth in children
4. Hyperplasia of gingiva

45. 1. Defects in gingival third of tooth crown, root caries, circular caries

2. Postendodontic treatment of anterior and posterior teeth
3. Diet and dental caries (preeruptive and posteruptive effect of diet, dietary advice)
4. Reparation and regeneration

46. 1. Preventive aspects in operative dentistry (cavities preparation, application of filling materials, fillings adjustment)

2. Surgical operations additional to endodontical treatment, microsurgical methods
3. Trauma of periodontal tissues of primary teeth - diagnosis, therapy, complications
4. General etiological factors of periodontitis

47. 1. Adhesive filling in operative dentistry, principles of adhesive preparation, materials

2. Criteria of endodontic treatment successfulness, reendodontics
3. Uncomplicated fracture of the crown of permanent tooth in children – diagnosis, therapy, complications
4. Pulp-periodontal complex, classification, therapy

48. 1. Initial carious lesion, diagnosis, methods of treatment

2. Criteria of endodontic treatment successfulness, reendodontics
3. Primary teeth – periodontal inflammation, diagnosis, therapy, early and late consequences
4. ANUG, ANUP

49. 1. Direct and indirect pulp capping: indications, procedure, complications

2. Peculiarities of endodontic treatment of teeth with fixed prosthetic constructions, treatment of acute phase of periapical infection
3. Root fracture of permanent tooth in children – diagnosis, therapy, complications
4. Principles of orthodontic treatment of patients with periodontitis

50. 1. External and internal teeth bleaching

2. Root filling, its functions and requirements, root sealers
3. Disorders of temporomandibular joint in children
4. Manifestations of blood diseases in oral cavity