

Questions for the exam

dentistry: **prosthetics (simple prosthetics)**

3rd year spring semester 2019-2020.

Permanent prosthetics section

1.

Hardware-surgical method of treatment for Popov-Godon phenomenon

2.

Biomechanical bases of treatment with fixed bridges. Justification of the choice of supporting teeth.

3.

Veneers, indications for use, manufacturing techniques.

4.

Restoration of teeth with treated channels using various pin structures.

5.

Artificial crowns, their types and classification. Requirements for an artificial crown.

6.

Classification of dentures that restore the anatomical shape of teeth.

7.

Classification of Ponomareva.

8.

Classification of pin structures.

9.

Clinical and laboratory stages of manufacturing cermet fixed structures.

10.

Clinical and laboratory stages of manufacturing metal-plastic fixed structures.

11.

Clinical and laboratory stages of manufacturing fixed structures by CAD-CAM method.

12.

Clinical and laboratory stages of manufacturing fixed structures by the IPS-Empress method.

13.

Clinical and laboratory stages of manufacturing solid cast fixed structures.

14.

Clinical and laboratory stages of manufacturing non-removable slip structures.

15.

Clinical and laboratory stages of manufacturing stamped-soldered bridge prostheses (casting, soldering, bleaching).

16.

Clinical and laboratory stages of manufacturing a stamped crown.

17.

Treatment of the Popov-Hodon phenomenon, depending on the degree.

18.

Medical documentation that is required to be kept by an orthopedic dentist, rules for filling it out.

19.

Method of tooth stump restoration using composite and fiberglass pin. Indications for use, materials used.

20.

Method of manufacturing a collapsible pin-stump tab, indications for use, materials used.

21.

Methods of orthopedic treatment with cast metal and non-metallic inserts. Design features of the tab depending on the IOPZ.

22.

Method of preparation of hard tooth tissues for metal-ceramic and plastic crowns.

23.

Method of preparation of hard tissues of teeth for solid crowns.

24.

Method of preparation of hard tissues of teeth for stamped crowns.

25.

Methods of preparation of supporting teeth for cermet with the creation of a gingival ledge. Types of ledges.

26.

Methods of preparation of hard tissues of teeth. A set of necessary tools for dissection.

27.

Methods of impression removal with various silicone impression masses. Indications for the use of A or C silicone.

28.

Morphology of the gingival sulcus. Method of creating a near-spring ledge. Methods of "opening" the gingival margin.

29.

Anesthesia during dental preparation. General and local reactions of the body to the preparation.

30.

Orthopedic treatment with cast, all-metal and combined crowns. Indications for use. Features for preparation.

31.

Errors and complications in the manufacture of fixed structures. Methods of prevention.

32.

Pathology of hard tissues of teeth. Classification and etiological factors. Survey methods. Differential diagnosis.

33.

Indications and contraindications for the treatment of dental hard tissue defects with inlays. Advantages and tabs.

34.

Indications for the use of materials based on zirconium dioxide, technologies used in its processing.

35.

Obtaining a double refined impression for non-removable prosthetics.

36.

Rules for preparing the roots of teeth for prosthetics with pin-stump inserts. Used tools.

37.

Principles of preparing cavities for tabs of the "inlay", "onlay", "overlay", "pinlay" types

38.

Principles of forming cavities for tabs.

39.

Medical crowns. Indications and manufacturing methods.

40.

Intermediate part of bridge prostheses, types and principles of formation.

41.

Modern materials for permanent prosthetics. Zirconium dioxide, aluminum oxide, properties and indications for use.

42.

Methods of preparing teeth for veneers. Veneers manufacturing technologies.

43.

Technology of making tabs by indirect method. Indications for use, materials used.

44.

Technology of manufacturing tabs by direct method. Indications for use, materials used.

45.

Technology of manufacturing fixed structures by mechanical precision copying (CELAY method).

46.

Requirements for the roots of teeth when prosthetics with pin-stump inserts.

47.

Popov-Godon phenomenon, Etiology and pathogenesis, methods of treatment.

48.

Central occlusion, its characteristics, methods for determining defects in dentition.

49.

Partial absence of teeth. Rationale for choosing a therapeutic orthopedic structure (removable or non-removable).

50.

Ergonomic principles of organization of the orthopedic doctor's workplace. Organization of work "in four hands".

Section clasp prostheses, plate prostheses.

1.

Allergy to materials used in the manufacture of complete removable dentures.
Prosthetics with an increased gag reflex.

2.

Anthropometric landmarks on the face. Selection of artificial teeth.

3.

Anthropometric, anatomical, anatomical and physiological methods for determining the height of the lower third of the face.

4.

Articulators, purpose, design principles.

5.

Beam system for fixing removable dentures, indications for use.

6.

Biomechanics of the lower jaw. Patterns of articulation and occlusion of dentition.
The Ganau Five.

7.

Clasp prostheses. Indications for treatment. Structural elements.

8.

Types of clasps. The concept of "point", "linear", "planar", the location of clasps.

9.

Possible errors in determining the central ratio of the jaws, their identification and elimination.

10.

Boundaries of the base of the prosthesis in the partial absence of teeth in the upper and lower jaw.

11.

Two-layer bases of dentures with partial absence of teeth. Indications, manufacturing methods.

12.

Diagnostic models. Concept and practical significance.

13.

Locking systems for fixing removable dentures. Classification and application.

14.

Artificial teeth used in removable dentures. Rules for the selection and placement of artificial teeth

15.

Clamp, its functional purpose. Parts of the cast support-retaining clamp, their location and function.

16.

Ney clamp system, indications for the use of type 1-5 clasps.

17.

Classification of dentition defects.

18.

Clinical and laboratory stages of manufacturing partial removable plate prostheses.

19.

Clinical and laboratory stages of manufacturing partial removable dentures.

20.

Structural elements of clasp prostheses.

21.

Criteria for assessing the quality of removable plate prostheses. The process of patients' adaptation to prosthetics.

22.

Methods of parallelometry in the manufacture of clasp prostheses.

23.

Methods of making individual spoons. Functional tests. Justification of the choice of impression material.

24.

Methods of studying the periodontal condition and their diagnostic significance.

25.

Methods of setting artificial teeth. Questions of aesthetics and phonetics in the construction of a partial removable prosthesis.

26.

Methods of fixation and stabilization. Types of clamps. The concept of "point", "linear", "planar", the location of clamps.

27.

Odontoparodontogram by V. Y. Kurlyandsky. Fundamentals of its analysis. Clinical application.

28.

Determination of central occlusion or central jaw ratio.

29.

Impression materials, classification, indications for use, requirements for them.

30.

Errors and complications in the treatment of removable plate prostheses.

31.

Parallelometry in the manufacture of clasp prostheses.

32.

Plate prostheses and their structural elements. Boundaries of the removable prosthesis base, structure of the transition fold.

33.

Tooth mobility - physiological and pathological. Methods of determination, significance in orthopedic treatment.

34.

Indications for tooth extraction in periodontal diseases.

35.

Placement of teeth in partial removable dentures with orthognathic, progenic and prognatic ratios of toothless jaws.

36.

Construction of dental arches and their location relative to the craniofacial system (Spee, Wilson, Frankfurt plane, Camper plane, Bonneville triangle).

37.

Premedication and anesthesia in orthopedic dentistry.

38.

Principles of location of the arch of the clasp prosthesis on the v/h and n/h.

39.

Decubital pressure ulcers. Clinic, differential diagnosis, treatment.

40.

The process of adaptation to dentures. Hygienic care of the oral cavity and prosthesis.

41.

Plastic polymerization regime, the importance of its compliance.

42.

Modern basic materials used for removable prosthetics.
Advantages and disadvantages of thermoplastic materials.

43.

Comparative characteristics of cast and wire clamps, indications for use

44.

Telescopic system for fixing removable dentures, indications for use.

45.

Devices for imitating lower jaw movements Christensen's phenomenon.

46.

Fixation and stabilization of dentures with partial absence of teeth.

47.

Fixing elements of partial removable dentures, classification, indications for use.

48.

Functional prints and their classification. Individual spoons. Clinical and laboratory stages of manufacturing.

49.

Partial absence of teeth. Classification. Etiology. Odontoparodontogram.

50.

Stages of determining the central ratio of the jaws. Methods, tools and equipment.

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