


APPROVED by

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Protocol of the Methodical
Meeting of the Department № 1
August 30, 2023

**Thematic Plan of Practical Training in the academic discipline
«Non-removable prosthetics» for 5th semester, 3rd year students**

1. Preparation of the oral cavity for prosthetics. Methods of anesthesia in the preparation of teeth.
The choice of drug and method of anesthesia.
2. Defects of hard tissues of teeth. Methods of examination of patients with defects in hard dental tissues. Dental photo protocol when planning prosthetic treatment of patients with defects in dental crowns.
Patient examination. Completion of medical documentation.
3. Working and auxiliary impressions and modern materials for their taking. Steps for taking an impression. Getting a digital impression. Laboratory scanning of models. Taking impressions with alginate and silicone materials.
4. Inlays, indications for use. Modern construction materials and methods for manufacturing inlays.
Determining the tactics of treating patients using inlays.
5. Features of the formation of cavities for inlays, depending on the topography and the size of the defect. Clinical and laboratory stages of making inlays by direct and indirect methods.
Preparation of cavities for inlays on gypsum.
6. Veneers, indications for use. Characteristics of modern construction materials. Methods for making veneers.
Modeling of veneers on plaster models.
7. Tooth preparation and clinical and laboratory stages of veneers manufacturing. Modern materials and fixation methods of veneers.
Preparation of cavities for veneers on plaster models.
8. Metal stamped crowns. Clinical and laboratory stages of manufacturing.
Examination of the patient, determination of indications for the manufacture of metal stamped crowns.
9. Acrylic crowns. Clinical and laboratory stages of manufacturing. Examination of the patient, determination of indications for the manufacture of acrylic crowns.
10. Combined crowns, clinical and laboratory stages of manufacturing.
Examination of the patient, determination of indications for the manufacture of combined crowns.
11. Clinical and laboratory stages of manufacturing cast-metal, metal-acrylic, metal-ceramic crowns. Specific features of the preparation of teeth and taking impressions. Method of fitting, sitting and fixation of single crowns.
Examination of the patient, determination of indications for the manufacture of cast, metal-acrylic, metal-ceramic crowns.
12. Non-metal crowns. Characteristics of modern construction materials. Methods for manufacturing metal-free crowns (milling, sintering, pressing).

Examination of the patient, determination of indications for the manufacture of metal-free crowns.

13. Features of tooth preparation for the manufacture of metal-free crowns. Impression materials. Methods for making impressions. Clinical and laboratory stages of manufacturing.

Making impressions from alginate and silicone materials. Post structures. Indications for use. Requirements for the condition of the root and its surrounding tissues.

14. Restorative post constructions. Indications for use. Requirements for the condition of the root and its surrounding tissues.

Examination of the patient, determination of indications for the manufacture of various post constructions.

15. Clinical and laboratory stages of manufacturing restorative post constructions.

Selection of a treatment plan for patients with a complete absence of a tooth crown with post constructions.

16. Prosthetic treatment of patients in the absence of a tooth crown with stump root inlays, indications for use. Clinical and laboratory stages of manufacturing stump root inlay structures. Fiberglass posts.

Selection of a treatment plan. Selection of materials for fixation of fiberglass posts, taking impressions with alginate and silicone materials.

Thematic Plan of Lectures

5th semester, 3rd year students in the academic discipline

«Non-removable prosthetics» (10 lectures, 14 hours)

1. Aims, objectives of the discipline "Non-removable prosthetics". Principles of medical ethics and deontology. The main nosological forms of pathology of the dental system

2. Pathology of hard tissues of teeth of carious and non-carious origin. Prosthetic treatment planning.

3. Inlays. Modern construction materials and methods for manufacturing inlays. Inlays, indications for use. Modern construction materials and methods for manufacturing inlays. Determining the tactics of treating patients using inlays

4. Veneers. Modern construction materials and methods for the manufacture of veneers

5. Metal stamped, acrylic, combined crowns. Indications for use

6. Clinical and laboratory stages of making stamped metal, plastic, combined crowns. Construction materials

7. Cast-metal, metal-acrylic, metal-ceramic crowns. The reaction of tooth and periodontal tissues to preparation. Security zones by Abolmasov-Klyuev

8. Non-metal crowns. Characteristics of modern construction materials.

9. Classification of restorative post constructions.

10. Clinical and laboratory stages of manufacturing restorative post constructions. Modern construction materials.

Lectures - 10 (14 hours)

Practical lessons - 80 hours

Number of weeks - 16

Total training hours - 94 hours