

APPROVED by

Associate professor Ya.I.Timchuk
Head of the Dpt., Ph.D.



Protocol of the Methodical
Meeting of the Department № 1
August 31, 2026

**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.

Hygienic antisepsis of the skin of the hands of medical personnel.

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.

Completion of a dental outpatient card. Completion of a work order for an orthopedic appointment.

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 alginate impressions.

4. Inlays, indications for use. Modern construction materials and methods for manufacturing inlays.

Determining the index of the damaged occlusal surface of the tooth (IDOST) and choosing the type of orthopedic construction based on the index.

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.

6. Veneers, indications for use. Characteristics of modern construction materials. Methods for making veneers.

Selection of abrasive instruments for tooth preparation when making inlays and veneers.

7. Tooth preparation and clinical and laboratory stages of veneers manufacturing. Modern materials and fixation methods of veneers.

Selection of abrasive instruments for tooth preparation when making inlays and veneers.

8. Metal stamped crowns. Clinical and laboratory stages of manufacturing. Tooth preparation for making metal crowns. Fitting and fixing metal crowns.

9. Acrylic crowns. Clinical and laboratory stages of manufacturing. Tooth preparation for making acrylic crowns. Fitting and fixing metal crowns.

10. Combined crowns, clinical and laboratory stages of manufacturing. Making temporary 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.

Selection of abrasive instruments for tooth preparation when making metal-ceramic and non-metal crowns.

12. Non-metal crowns. Characteristics of modern construction materials. Methods for manufacturing metal-free crowns (milling, sintering, pressing).

Selection of abrasive instruments for tooth preparation when making metal-ceramic and non-metal 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.

Taking dual-layer silicone impressions.

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

Preparation of root canals when making post and core structures.

15. Clinical and laboratory stages of manufacturing restorative postconstructions.

Modeling of cast post and core restorations on single-rooted and multi-rooted teeth.

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.

Modeling of cast post and core restorations on single-rooted and multi-rooted teeth.

Thematic Plan of Lectures

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

«Non-removable prosthetics» (8 lectures, 12 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.

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

5. Metal stamped, acrylic, combined crowns. Clinical and laboratory stages of making crowns. Construction materials. Indications for use.

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

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

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

Lectures – 8 (12 hours)

Practical lessons – 80 hours

Number of weeks – 16

Total training hours – 136 hours

Intermediate assessment – credit