

**Thematic plan of seminar-type classes
on the subject "Surgical methods of treating periodontal diseases.
Fundamentals of mucogingival surgery"
for students of 2021 admission
under the educational program
31.05.03 Dentistry,
focus (profile) Dentistry
(specialty),
full-time education
for the 2025-2026 academic year**

| № | Thematic blocks | Practical training within the framework of TB | Hours (academic)1 |
|-------------------|--|--|---------------------------|
| 10 семестр | | | |
| 1. | Fundamentals of anatomy, histology and physiology of periodontium. Periodontium diseases. Classification. Periodontitis, etiology, pathogenesis, clinical features, diagnostics. Conservative treatment. Surgical treatment of periodontal diseases. Types. Indications and contraindications. Preoperative preparation. | PII | 6 |
| 2. | Fundamentals of mucogingival surgery. Features of flap formation, principles of atraumatic work with soft tissues. Main surgical techniques: gingivectomy, gingivoplasty, mucogingival surgery. Technique of implementation. Operations for shortened frenulum of tongue, lips. Vestibuloplasty. Types. Indications. Technique. | PII | 6 |
| 3. | Resection interventions on bone tissue. Indications and purposes. Resection interventions on bone tissue to increase the height of the clinical crown. Resection interventions on bone tissue to eliminate defects involving bifurcations. | PII | 6 |
| 4. | Flap operations on periodontal tissues. Classification. Indications. Design of incisions. Features of working with flaps. Regenerative periodontal interventions. Principles of regenerative treatment. Indications for regenerative interventions and their goals, mechanisms of periodontal tissue regeneration. Guided tissue regeneration, growth factors, bone materials, surgical technique. | PII | 6 |
| 5. | Modern technologies in surgical methods of treatment of periodontal diseases. Classification. Indications for use | PII | 6 |

| | | | |
|-------|---|----|----|
| | The mechanism of action of the laser, the use of laser radiation in the diagnosis and treatment of diseases of the oral cavity. Classification of devices using laser radiation, comparative characteristics. | | |
| | The use of laser in surgical methods of treating periodontal diseases, forming incisions, detoxifying the root surface. | | |
| 6. | Ultrasound in surgical dentistry. Fundamentals of piezosurgery. Indications, protocol of work. | ПП | 2 |
| | The use of platelet-rich plasma in dentistry. Physiological rationale. The use of platelet-rich plasma in the complex therapy of periodontal diseases | | |
| | Plasmolifting in dentistry. Indications, protocol. | | |
| 7. | Gum recessions, classification. Causes of recession development. Pathogenesis of gum recessions. | ПП | 6 |
| | Clinic, diagnostic methods. Evaluation of the initial state of periodontal tissues and its role in predicting the elimination of periodontal attachment loss. | | |
| | Classification of types of surgical treatment of gum recessions, comparative characteristics. Preoperative etiotropic therapy. | | |
| 8. | Coronally displaced flap. Indications, procedure. | ПП | 6 |
| | Coronally displaced flap for multiple recessions – surgical technique. | | |
| | Laterally displaced flap. Indications, surgical technique. | | |
| 9. | Principles of tissue mobilization, root surface treatment, preparations used, physiological justification of the role of root surface treatment in the mechanisms of periodontal attachment restoration. | ПП | 6 |
| | Connective tissue transplants, classification, clinical and morphological characteristics. | | |
| | Donor sites. The influence of anatomical features on the tactics of selection and obtaining transplants. | | |
| | Control over the completion of independent work | | |
| 10. | Mucogingival grafts, characteristics, indications for use. Surgical technique of obtaining. | ПП | 6 |
| | Subepithelial transplants, characteristics, indications for use. Surgical technique of obtaining. | | |
| | Complications of gum recession treatment. Complications associated with gum grafts, prevention, treatment. | | |
| | Контроль знаний, умений, навыков | | |
| Итого | | | 60 |

1 – one thematic block includes several lessons, the duration of one lesson is 45 minutes, with a break between lessons of at least 5 minutes

Considered at a meeting of the Department of Surgical Dentistry and Maxillofacial Surgery, minutes of May 17, 2025, No. 9.

Заведующий кафедрой



Е.Н.Ярыгина