**SYLLABUS**

**PRECLINICS OF ORAL AND MAXILLO-FACIAL SURGERY**

1. Asepsis and antisepsis in OMFS. Scrubbing. Gowning and gloving. Draping.
2. Surgical instruments used in general and oral and maxillo-facial surgery.
3. Basic surgical procedures: incisions, wound suturing, suture materials, curettage, draining, swabbing, puncture.
4. Topographic anatomy of the maxillo-facial area (MFA): innervation, blood supply, lymphatic circulation.
5. Types of anesthesia in oral and maxillo-facial surgery (OMFS). General information. Premedication.
6. Local anesthesia in MFA. Definition. Indications. Types. Instruments for its realization.
7. Types of local anesthetics. Mechanism of action of topical anesthetics. Vasoconstrictors. Reaction of local anesthetics with other medications used by the patient.
8. Anesthesia in skin surgery.
9. Injection anesthesia in oral cavity surgery. Terminal anesthesia. Types. Indications and contraindications. Techniques.
10. Mandibular nerve block anesthesia – anatomical data. Intraoral techniques, indications.
11. Extraoral methods of regional nerve block anesthesia of the lower jaw. Indications. Techniques.
12. Maxillary nerve block anesthesia - Anatomical data. Intraoral methods. Indications. Techniques.
13. Extraoral methods of regional nerve block anesthesia of the upper jaw. Indications. Techniques.
14. Features of local anesthesia in children and inflammatory diseases in MFA.
15. Preparation of high-risk patients (diabetes, hypertension, patients on anticoagulant therapy, etc.) about anesthesia, tooth extraction and other surgical procedures in MFA.
16. Complications during and after local anesthesia. Types of prevention. Basic principles of treatment.
17. Teeth extraction. Indications and contraindications. Anatomic-topographic conditions for extraction.
18. Principles of simple extraction. Position of the patient and the operator. Features of the extraction of different groups of teeth.
19. Extraction of fractured teeth and roots.
20. Surgical treatment of impacted teeth. Indications. Techniques. Complications.
21. Postoperative care of the surgical wound. Healing process of the extraction wound.
22. Complications during and after tooth extraction. Types. Prevention. Principles of treatment.
23. Periapical periodontitis. Anatomic-topographic and functional characteristics of periodontium. Classification.
24. Acute periapical periodontitis. Classification. Etiology. Clinical study. Basic treatment principles.
25. Chronic periapical periodontitis. Classification. Etiology. Clinical study. Basic treatment principles.
26. Cysts of the jaws. Classification. Etiology. Clinical study. Basic treatment principles.
27. Soft tissue cysts and fistulas. Classification. Etiology. Clinical study. Basic principles of treatment.
28. Diseases of the impacted teeth. Obstruction of the normal path of eruption. Classification. Etiology. Clinical study. Basic principles of treatment.
29. Periodontal disease – periodontal anatomy, classification, epidemiology, etiology, pathogenesis. Basic principles of treatment.
30. Odontogenic sinusitis –topographic anatomy, classification, etiology, pathogenesis. Basic principles of treatment.
31. Abscesses and cellulites in MF region – general data, etiology, pathogenesis, routes of infection. Basic principles of treatment.
32. Jaw osteomyelitis – acute and chronic. Definition. Classification, epidemiology, etiology, pathogenesis. Traumatic osteomyelitis. Basic principles of treatment.
33. Diseases of the lymph nodes and lymph vessels in MFA. Topographic anatomy of the lymphatic system, classification, etiology, clinical examination. Basic principles of treatment.
34. Traumas at the MFA. General information on traumas. Classification of traumas.
35. Jaw and facial bones fractures. Classification. Methods of examination and diagnostics.
36. Preneoplastic lesions and tumors of the oral cavity in MFA. Frequency, Classification, etiology.