



MEDICAL UNIVERSITY
“PROF. DR. PARASKEV STOYANOV” - VARNA
FACULTY OF DENTAL MEDICINE

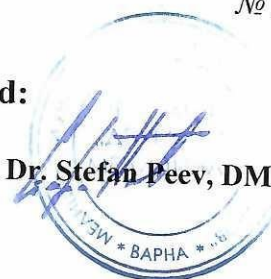
Approved by Faculty's council protocol

№ 18 / 08.06.2023

Approved:

DEAN:

/Prof. Dr. Stefan Peev, DMD, PhD, DSc/



EDUCATIONAL PROGRAMME
OF

“Clinic of Oral and Maxillofacial Surgery“

Specialty “DENTAL MEDICINE”

Educational-qualification degree “MASTER”

Professional qualification “PHYSICIAN IN DENTAL MEDICINE”

	Semester	Horarium weekly	Total horarium
Lectures	VII, VIII	2/2	90
	IX, X	1/1	
Exercises	VII, VIII, IX, X	5/5 5/5	300
Total			390
Monitoring and evaluation forms	Current control		Exam – X semester
Credits (ECTS)			15

Lecturers: Prof. Tihomir Georgiev, DMD, PhD, DSc; Assoc. Prof. Georgi Papanchev, DMD, PhD

Varna

2023

ANNOTATION:

The course in OMFS provides an opportunity to acquire knowledge and skills on methods of research, diagnosis and treatment of surgical diseases of the teeth, oral cavity and maxillofacial region required for full organization of dental care in accordance with European standards and EDI vocational direction "dentistry".

Purpose of the curriculum. Learning objectives, learning of methods of investigation, diagnosis and treatment of surgical diseases of the teeth, oral cavity and maxillofacial region, in organizing dental care in accordance with European standards of healthcare.

Forms of teaching, control and grading:

- Students education corresponds to the contemporary methods of teaching and grading.
- Forms of grading: current control, participation in seminars, tests, theoretical exam, colloquiums.
- Forms and methods of teaching: lectures, seminars, discussions, solving cases, practical classes, presentations.

Grading criteria:

Grading process: complex

- Assessing student participation in practical classes
- Colloquiums
- Exam results during session

Aspects of grading: complex

- Test grades: fair (50% - 60% of correct answers); good (60% - 80% of correct answers); very good (80% - 95% of correct answers), excellent (above 95% of correct answers).
- Grades of practical work with patients and/or dental phantoms.

- Exam results during session incorporate tests, practical exams with patients and/or dental phantoms, theoretical exam – one oral and one written topic. The exam begins with a test, containing 30 to 40 questions. In order to continue to the theoretical part, students should pass the test with at least 50% correct answers (fair grade).
- State exam – conducted by a commission of three habilitated examiners. The exam is only theoretical.

After completing the course students should have the following knowledge, skills and competence:

- **Knowledge** of frequency, etiology and pathogenesis, clinical and para-clinical examination, diagnostics and differential diagnostics of different diseases in the realm of oral and maxillo-facial surgery; referring patients to the specialized clinics with the necessary documents and examinations; applying prophylactic measurements and avoiding complications.
- **Skills:** administering local anesthesia (terminal and nerve-blocks) in the oral cavity; performing ambulatory surgical interventions such as teeth extractions (simple or complex), incision of subperiosteal, submucous and other types of abscesses, preprosthetic surgery, curettage of inflamed sockets, frenotomies, apicotomies, etc.
- **Competence:** Examination and formation of preliminary diagnosis of patients with inflammatory diseases, trauma, tumors, congenital and acquired defects in the maxillo-facial region, which affects the following anatomical structures: teeth and surrounding tissues, skin, mucosa, muscles (masticatory and mimic), lips, palate, tongue, cheeks, maxillary sinuses, TMJs, lymph nodes, nerves (trigeminal, facial, etc.), salivary glands (parotid, submandibular, sublingual, accessory glands), bones (upper and lower jaw, nasal, zygomatic, orbital walls).

PLAN OF LECTURES AND PRACTICAL CLASSES TOPICS

Lectures IV course, VII semester	
Topic	Hours
1. Examination, diagnostics and treatment of patients with abscesses and phlegmons in the MFR around the upper jaw.	2
2. Examination, diagnostics and treatment of patients with abscesses and phlegmons in the MFR around the lower jaw.	2
3. Examination, diagnostics and treatment of patients with abscesses and phlegmons in the MFR – phlegmon of the neck, myositis, necrotic fasciitis.	2
4. Complications from the maxillofacial infections.	2
5. Specific infections – tuberculosis, actinomycosis, syphilis.	2
6. Examination, diagnostics and treatment of patients with diseases of the facial nerves.	2
7. Examination, diagnostics and treatment of patients with diseases and disorders of the TMJ.	2
8. Plastic surgeries for closing acquired defects in the MFR, oral cavity and the neck.	2
9. Trauma of the soft tissues.	2
10. Trauma of the teeth.	2
11. Fractures of the lower jaw.	2
12. Fractures of the upper jaw.	2
13. Fracture of the zygomatic bone and zygomatic arch. Fracture of the nasal bones.	2
14. Traumas in childhood age. Healing process after fractures of the facial and jaw bones.	2
15. Life-threatening conditions related to traumas in the MFR – emergency and resuscitation.	2
Total:	30
Lectures IV course, VIII semester	
Topic	Hours
16. Cleft lips and palate. Classification, etiology, terms, principles and methods of surgical treatment.	2
17. Dentomaxillofacial anomalies and deformities. Types.	2
18. Orthognathic surgery.	2
19. Auxiliary surgical techniques for dentomaxillofacial anomalies and deformities.	2

20. Endodontic surgery. Hemisection, bicuspidation, amputation of roots, treatment of perforations of teeth due to endodontic treatment.	2
21. Damage of the nerves in the MFR during surgeries.	2
22. Dental implantology. Principles of the osteointegration.	2
23. Reconstruction of the alveolar bone of the upper jaw in the frontal area with GBR. Optimal positioning of dental implants in the aesthetic zone.	2
24. Bone augmentation of distal areas in the lower jaw – methods.	2
25. Techniques for autogenous bone grafts.	2
26. Placement of dental implants in the area of the maxillary sinus. Maxillary sinus augmentation.	2
27. Different types of bone grafts used in the dental implantology.	2
28. Periodontal surgery.	2
29. Pre-prosthetic surgery.	2
30. Muco-gingival surgery.	2
Total:	30
Lectures V course, IX semester	
Topic	Hours
31. Examination, diagnosis and treatment of patients with premalignant lesions in the MFR.	2
32. Examination, diagnosis and treatment of patients with tumors of the skin and soft tissues in the MFR.	2
33. Examination, diagnosis and treatment of patients with tumors of the oral mucosa.	2
34. Examination, diagnosis and treatment of patients with non-odontogenic tumors.	2
35. Examination, diagnosis and treatment of patients with odontogenic tumors.	2
36. Examination, diagnosis and treatment of patients with tumors of the salivary glands.	2
37. Examination, diagnosis and treatment of patients with lymphomas, metastatic and primary multiple tumors in the orofacial region.	3
Total:	15
Lectures V course, X semester	
Topic	Hours
38. Anatomy of the MFR	2
39. Diagnosis and principles of treatment of inflammatory processes in the MFR. Recipe.	2
40. Diagnosis and principles of treatment of traumas in the MFR.	2

41. Life-threatening conditions in dental practice – emergency and resuscitation.	2
42. Diagnosis and principles of treatment of tumors in the MFR.	2
43. Radiotherapy. Complications after radiotherapy. Osteonecrosis and different post radiotherapy reactions.	2
44. Principles of treatment of different defects and deformations on the MFR.	3
Total:	15

Week	Practical classes, IV course, VII semester - Polyclinic	Hours
1	Preparation for surgical treatment of allergic patients. Allergic reactions. Anaphylactic shock. Treatment, prophylaxis and allergy testing (indications, contraindications, types of tests). Antiallergic premedication.	4
2	Premedication, preparation and surgical treatment of patients with systemic diseases: cardiovascular, endocrine, hematological disorders.	4
3	Premedication, preparation and surgical treatment of patients with systemic diseases: respiratory, urinary (renal failure, patients on dialysis), connective tissue diseases (rheumatoid arthritis, lupus, scleroderma).	4
4	Premedication, preparation and surgical treatment of patients with systemic diseases: gastrointestinal, CNS, patients with high-risk infections – hepatitis B, hepatitis C, HIV.	4
5	Preparation for surgical treatment of children, elderly patients and pregnant patients.	4
6	Colloquium: „Premedication, preparation and surgical treatment of allergic patients, anaphylactic shock. Preparation of patients with systemic diseases.”	4
7	Methods of examination, diagnostics and treatment of alveolitis after tooth extraction.	4
8	Methods of examination, diagnostics and treatment of patients with periodontitis and periostitis in the ambulatory practice.	4
9	Methods of examination, diagnostics and treatment of patients with odontogenic infections.	4
10	Methods of examination, diagnostics and treatment of patients with maxillary sinus perforations after tooth extraction and luxation of teeth and roots in the maxillary sinus.	4
11	Methods of examination of patients with acute odontogenic infections. Indications for hospitalization.	4
12	surgical treatment of patients with acute odontogenic infections.	4

13	Medication therapy of patients with acute odontogenic infections. Principles of treatment, drug dosages. Complications. Prescription.	4
14	Complications of odontogenic inflammatory infections: sepsis, mediastinitis, cavernous sinus thrombosis. Clinics, diagnosis, treatment.	4
15	Colloquium: „Examination and ambulatory treatment of patients with acute odontogenic infections.”	4
Total:		60
Practical classes, IV course, VII semester - Clinic		
1	Methods of examination, diagnostics and treatment of patients with abscesses and phlegmons in the MFR, according to topographical anatomy.	2
2	Methods of examination, diagnostics and treatment of patients with abscesses and phlegmons in the MFR, according to topographical anatomy.	2
3	Methods of examination, diagnostics and treatment of patients with abscesses and phlegmons in the MFR, according to topographical anatomy.	2
4	Methods of examination, diagnostics and treatment of patients with temporomandibular disorders.	2
5	Methods of examination, diagnostics and treatment of patients with sialadenitis and sialolithiasis.	2
6	Methods of examination, diagnostics and treatment of patients with facial nerve disorders.	2
7	Seminar: „Examination, diagnostics and treatment of patients with acute odontogenic infections.”	3
Total:		15
Practical classes, IV course, VIII semester - Polyclinic		
1	Paraclinical tests. Coagulation status. Management of patients with deviations in the coagulation status and patients, undergoing anticoagulant and antiaggregant therapy.	4
2	Emergency conditions in the ambulatory surgical practice – asphyxia, shock.	4
3	Emergency conditions in the ambulatory surgical practice – hemorrhage during and after extraction of teeth.	4
4	Osteomyelitis of the jaws: acute odontogenic osteomyelitis.	4
5	Osteomyelitis of the jaws: chronic odontogenic osteomyelitis.	4
6	Osteomyelitis of the jaws: traumatic osteomyelitis and atypical forms.	4
7	Odontogenic lymphadenitis.	4

8	Colloquium: „Paraclinical test, emergency conditions, odontogenic osteomyelitis and lymphadenitis.”	4
9	Methods of examination, diagnostics and treatment of dental eruption disorders.	4
10	Techniques for surgical treatment of impacted teeth in the ambulatory practice. Complications.	4
11	Auxiliary ambulatory surgical interventions in orthodontic treatment. Germectomy. Exposure of impacted teeth. Tooth extraction. Paraclinical tests in the ambulatory surgical practice. Methods for analysis.	4
12	Methods for surgical extraction of roots and root apices.	4
13	Methods of examination, diagnostics and treatment of complications during tooth extraction.	4
14	Methods of examination, diagnostics and treatment of complications after tooth extraction.	4
15	Colloquium: „Extraction, surgical extraction of teeth and odontectomia. Complications.”	4
Total:		60
Practical classes, IV course, VIII semester - Clinic		
1	Methods of examination, diagnostics and treatment of patients with trauma of the teeth and soft tissues.	2
2	Methods of examination, diagnostics and treatment of patients with craniocerebral trauma.	2
3	Methods of examination, diagnostics and treatment of patients with fractures of the mandible.	2
4	Methods of examination, diagnostics and treatment of patients with fractures of the mandible.	2
5	Methods of examination, diagnostics and treatment of patients with fractures of the maxilla.	2
6	Methods of examination, diagnostics and treatment of patients with fracture of the zygomatic bone and arch and fractures of the nasal bones.	2
7	Seminar: „Trauma in the maxillo-facial region.”	3
Total:		15
Practical classes, V course, IX semester - Polyclinic		
1	Endodontic surgery. Hemisection, bicuspidation, root amputation, treatment of iatrogenic endodontic perforations.	4

2	Types of flaps used in endodontic surgery.	4
3	Pre-prosthetic surgery in the ambulatory surgical dental office.	4
4	Methods of examination, diagnostics and treatment of periodontal disease.	4
5	Mucogingival surgery: techniques.	4
6	Radiographic examinations used in oral surgery. Application of cone-beam computed tomography (CBCT).	4
7	Colloquium: „Endodontic, periodontal and pre-prosthetic surgery. Radiographic examinations.”	4
8	Dental implantology. Principles of osseointegration.	4
9	Reconstruction of the maxillary alveolar ridge in the frontal region using guided bone regeneration. Optimal positioning of dental implants in the esthetic zone.	4
10	Methods for bone augmentation of the distal areas of the mandible.	4
11	Techniques for autogenous bone augmentation.	4
12	Implant placement in the subantral maxillary region. Sinus floor elevation.	4
13	Bone grafts used in dental implantology – types, characteristics.	4
14	Nerve involvement during implant placement in oral and maxillofacial surgery.	4
15	Colloquium: „Surgical techniques used in dental implantology.”	4
Total:		60
Practical classes, V course, IX semester - Clinic		
1	Indications and contraindications for plastic and reconstructive surgery in the MFR. Planning of operations. Basic surgical methods – tissue reconstruction with regional flaps, distant flaps (Filatov's stem), skin, cartilage and bone grafting, implantation of alloplastic materials. Cleft lip and palate.	2
2	Emergency and urgent care. Resuscitation measures during surgical interventions in the MFR.	2
3	Examination and diagnostics of patients with tumors in the MFR. Treatment methods.	2
4	Examination and diagnostics of patients with premalignant lesions in the MFR. Treatment methods.	2
5	Examination and diagnostics of patients with tumors of the skin and soft tissues. Treatment methods.	2

6	Examination and diagnostics of patients with odontogenic tumors and tumors of the oral mucosa. Treatment methods.	2
7	Seminar: „Plastic and reconstructive surgery and treatment of tumors in the MFR and neck.”	3
Total:		15
Practical classes, V course, X semester - Polyclinic		
1	Types of local anesthesia. Extraction of teeth in the ambulatory surgical dental office.	4
2	Surgical extraction of roots and root tips. Extraction of teeth in the ambulatory surgical dental office.	4
3	Surgical extraction of impacted teeth /assisting/. Extraction of teeth in the ambulatory surgical dental office.	4
4	Examination, diagnosis and surgical treatment of patients with periodontal disease. Extraction of teeth in the ambulatory surgical dental office.	4
5	Examination, diagnosis and treatment of patients with traumas of the teeth and alveolar ridge.	4
6	Examination, diagnosis and treatment of patients with traumas in the ambulatory surgical dental office.	4
7	Pre-prosthetic surgery of the jaws.	4
8	Techniques used in endodontic surgery.	4
9	Techniques used in periodontal surgery.	4
10	Techniques used in mucogingival surgery.	4
11	Surgical techniques used in dental implantology.	4
12	Application of dental lasers in oral surgery. Indications.	4
13	Practical exam.	4
14	Practical exam.	4
15	Practical exam.	4
Total:		60
Practical classes, V course, X semester - Clinic		
1	Principles of diagnostics and treatment of inflammatory processes in the MFR. Prescription.	2
2	Principles of diagnostics and treatment of traumas in the MFR.	2

3	Principles of diagnostics and treatment of tumors in the MFR.	2
4	Adverse reactions and complications of radiotherapy, associated with the treatment of malignant tumors. Preparation of the patient for radiotherapy.	2
5	Diagnostics of life-threatening and emergency conditions. Emergency care. Emergency drug cabinet.	2
6	Clinical manifestation of different conditions in the oral cavity and MFR (AIDS, dermatological diseases, endocrine disorders, etc.).	2
7	Principles of treatment of congenital and acquired defects in the MFR.	3
Total:		15

REFERENCES:

- 1. ORAL AND MAXILLO-FACIAL SURGERY. LARS ANDERSSON, KARL-ERIK KAHNBERG, M. ANTHONY POGREL, AUGUST 2010, WILEY-BLACKWELL**
- 2. ORAL SURGERY, FRAGISKOS D. FRAGISKOS, 2010**
- 3. MAXILLO-FACIAL AND ORAL SURGERY (2006), EDITED BY PROF. R. UGRINOV, DMSC - INTENDED FOR DENTAL STUDENTS, GRADUATE STUDENTS IN OLCHH, SPECIALISTS OLCHH**
- 4. MAXILLO-FACIAL AND ORAL SURGERY (2011), EDITED BY PROF. ATANASOV, DMSC, PLOVDIV**

SYLLABUS

1. Asepsis and antiseptics in oral and maxillofacial surgery. Preparation of the hands of the surgeon and the operation field for surgery.
2. Topographic anatomy of the maxillofacial region: nerve supply, blood supply and lymph supply, facial bones forming the skeleton, muscles / mimic, chewing, etc...
3. General surgical procedures - incisions, suturing, sewing materials, curettage, drainage, puncture.
4. Surgical anatomy of the areas and spaces in the maxillofacial area.
5. Examination of patients in the oral and maxillofacial surgery - a goal of clinical examination, medical history, examination of the general status. Paraclinical tests - reference values.
6. Investigation of disease: extra-and intraoral status. Diagnosis, type of diagnosis, differential diagnosis, treatment plan.
7. Types of anesthesia in oral and maxillofacial surgery. Premedication and general anesthesia.
8. Local anesthesia in maxillo-facial region. Definition, indications, types.
9. Types of local anesthetics and their metabolism. Mechanism of action of local anesthetics. Vasoconstrictors. Interaction of local anesthetics with other drugs .
10. General anesthesia - general anesthesia stages. Intensive care in maxillofacial surgery.
11. Preparing the patient for surgery and anesthesia: clinical and paraclinical tests - reference values. Preparation of patients with concomitant diseases / diabetes, hypertension, patients on anticoagulant therapy, etc. /.
12. Oral and maxillofacial anesthesia features. Premedication. Guidelines for anesthesia by maxillofacial surgeries.
13. Local anesthesia in children and inflammatory diseases in the maxillofacial area.

14. Preparation of patients with concomitant diseases / diabetes, hypertension, patients on anticoagulant therapy, etc. / for anesthesia, teeth extraction and other surgical treatment in maxillofacial region.
15. Complications during and after local anesthesia. Types of prevention. Basic principles of treatment.
16. Behavior in emergency situations in the maxillofacial and oral surgery.
17. Nutrition and postoperative care in patients after maxillofacial operations. Maintain patency of upper respiratory tract.
18. Retention of the teeth. Etiology, pathogenesis, clinical features, diagnosis, differential diagnosis, treatment. Complications and prevention.
19. Acute periodontitis. Etiology, classification, clinical features, diagnosis, differential diagnosis and surgical treatment. Complications and prevention.
20. Chronic periodontitis. Etiology, classification, clinical features, diagnosis, differential diagnosis and surgical treatment. Complications and prevention.
21. Periostitis of the jaws and facial bones. Etiology, pathogenesis, classification, clinics.
22. Odontogenic cysts of the jaws. Classification, etiology, pathogenesis, clinical features, diagnosis, differential diagnosis and treatment. Complications.
23. Nonodontogenic cysts of the jaws. Classification, etiology, pathogenesis, clinical features, diagnosis, differential diagnosis and treatment. Complications.
24. Cysts of soft tissues in the maxillofacial region. Classification, etiology, pathogenesis, clinical features, , diagnosis, differential diagnosis and treatment. Complications.
25. Abscess and phlegmona of the infraorbital area and abscess of the canine fossa. Topographic and surgical anatomy, etiology, clinical features, diagnosis, differential diagnosis, treatment. Complications.
26. Phlegmon of the cheek. Topographic and surgical anatomy, etiology, clinical features, diagnosis, differential diagnosis, treatment. Complications.
27. Phlegmon of infratemporal and temporal areas. Topographic and surgical anatomy, etiology, clinical features, diagnosis, differential diagnosis, treatment. Complications.

28. Phlegmon of the orbital area. Topographic and surgical anatomy, etiology, clinical features, diagnosis, differential diagnosis and treatment. Complications.
29. Abscess of the sublingual area. Topographic and surgical anatomy, etiology, clinics, diagnosis, differential diagnosis, treatment.
30. Abscess and phlegmon of submandibular and submental lodges. Topographic and surgical anatomy, etiology, clinical features, diagnosis, differential diagnosis, treatment. Complications.
31. Perimandibular abscess. Topographic and surgical anatomy, etiology, clinical features, diagnosis, differential diagnosis, treatment. Complications.
32. Parotideomaseterial area: submaseterial abscess and phlegmon. Topographic and surgical anatomy, etiology, clinical features, diagnosis, differential diagnosis, treatment. Complications.
33. Parotideomaseterial area: Abscess and phlegmon of retromandibular area. Topographic and surgical anatomy, etiology, clinical features, diagnosis, differential diagnosis, treatment. Complications.
34. Abscess and phlegmon of pterygomandibular and parapharyngeal spaces. Topographic and surgical anatomy, etiology, clinical features, diagnosis, differential diagnosis, treatment. Complications.
35. Phlegmon of the floor of the mouth. Angina von Ludvic. Topographic and surgical anatomy, etiology, clinical features, diagnosis, differential diagnosis, treatment. Complications.
36. Abscess of hard palate. Abscess and phlegmon of the tongue. Topographic and surgical anatomy, etiology, clinical features, diagnosis, differential diagnosis, treatment. Complications.
37. Necrotizing fasciitis. Etiology, clinical features, diagnosis, differential diagnosis, treatment. Complications.
38. Diseases of the lymph nodes and lymph vessels in the maxillofacial area. Classification, topographic and surgical anatomy, etiology, clinical features, diagnosis, differential diagnosis, treatment. Complications.

39. Osteomyelitis of the jaw bones: acute odontogenic osteomyelitis. Classification, etiology, pathogenesis, clinical features, diagnosis, differential diagnosis, treatment. Complications.
40. Osteomyelitis of the jaw bone: chronic odontogenic osteomyelitis. Classification, etiology, pathogenesis, clinical features, diagnosis, differential diagnosis, treatment. Complications.
41. Osteomyelitis of the jaw bone: traumatic and atypical forms of osteomyelitis. Etiology, pathogenesis, clinical features, diagnosis, differential diagnosis, treatment. Complications.
42. Sinusitis of odontogenic origin. Topographic anatomy, etiology, clinical features, diagnosis, differential diagnosis, treatment. Complications.
43. Specific chronic granulomatous diseases in the maxillofacial region: aktinomykosis, syphilis and tuberculosis. Etiology, clinical features, diagnosis, differential diagnosis, treatment.
44. Complications of odontogenic inflammatory diseases: sepsis, mediastenitis, sinus cavernosus thrombosis. Etiology, pathogenesis, clinical features, diagnosis, differential diagnosis, treatment. Complications.
45. Conservative therapy of inflammatory diseases in the maxillofacial area. Principles of treatment, dosage of medication. Complications.
46. Surgical treatment of periodontal diseases. Indications. Methods.
47. Acute inflammation of salivary glands. Classification, etiology, pathogenesis, clinical features, diagnosis, differential diagnosis, treatment. Complications.
48. Chronic inflammation of salivary glands. Classification, etiology, pathogenesis, clinical features, diagnosis, differential diagnosis, treatment. Complications.
49. Obstructive diseases of the salivary glands, cysts and fistulas of the salivary glands. Etiology, pathogenesis, clinical features, diagnosis, differential diagnosis, treatment. Complications.
50. Systematic diseases that are causing disorders which involve the salivary glands (sialosis).

51. Mikulich syndrome. Sjogren syndrome. Etiology, clinical features, diagnosis, differential diagnosis, treatment.
52. TMJ diseases: arthritis of the mandibular joint. Classification, etiology, clinical features, diagnosis, differential diagnosis, treatment.
53. TMJ diseases: osteoarthritis. Etiology, clinical features, diagnosis, differential diagnosis, treatment. Complications.
54. Diseases of the TMJ: dislocation and subluxation. Classification, etiology, clinical features, diagnosis, differential diagnosis, treatment.
55. Diseases of the TMJ: ankylosis. Classification, etiology, clinical features, diagnosis, differential diagnosis, treatment.
56. Diseases associated with masticatory muscles and other structures in the oro-facial region / fascia, ligaments, etc.: Contractures of the mandible. Classification, etiology, clinical features, diagnosis, differential diagnosis, treatment.
57. Trigeminal and glossopharyngeal neuralgia. Etiology, clinical features, diagnosis, differential diagnosis, treatment.
58. Diseases of the facial nerve: paresis and paralysis of the facial nerve. Classification, etiology, clinical features, diagnosis, differential diagnosis, treatment.
59. Pain. Somatic and neuropathic pain. Atypical facial pain and pain syndromes.
60. Injuries in the maxillofacial area. General. Classification.
61. Treatment of patients with injuries in the maxillofacial area. General principles.
62. Soft tissue injuries. Wounds. Types of wounds. Surgical treatment and wound healing.
63. Trauma of the teeth. Etiology, classification, clinical features, diagnosis, differential diagnosis, treatment. Complications.
64. Fractures of the mandible. Topographic anatomy, etiology, classification, clinical features, diagnosis, differential diagnosis. Basic principles for treatment. Complications.

65. Orthopedic treatments for mandibular fractures. Indications.
66. Surgical treatment of mandibular fractures. Indications and methods. Complications.
67. Fractures of the upper jaw. Topographic anatomy, etiology, classification, clinical features, diagnosis, differential diagnosis. Complications.
68. Treatment of fractures of the upper jaw. Orthopedic and surgical methods. Indications. Complications.
69. Fractures of the zygomatic bone and arch. Topographic anatomy, etiology, classification, clinical features, diagnosis, differential diagnosis, treatment. Methods and indications.
70. Fractures of the nasal bones. Topographic anatomy clinical diagnosis, differential diagnosis, treatment. Complications.
71. Traumas in children – clinics and treatment.
72. First aid for injuries in maxillofacial region. Asphyxia, bleeding, shock, cranial trauma. Resuscitation. Tracheotomy, indications and methods. Complications.
73. Healing of fractures of the jaw and facial bones. Complications.
74. Precancer of the skin and lips. Classification, etiology, clinical features, diagnosis, differential diagnosis, treatment. Complications.
75. Precancer of oral cavity. Classification, etiology, clinical features, diagnosis, differential diagnosis, treatment. Complications.
76. Conditions with clinical signs of precancer.
77. Benign tumors of soft tissue: skin and oral mucosa. Classification, clinics, diagnosis, differential diagnosis, treatment.
78. Benign tumors of the jaw and facial bones. Classification, clinics, diagnosis, differential diagnosis, treatment.
79. Tumor-like conditions. Etiology, clinical features, diagnosis, differential diagnosis, treatment.
80. Epulids. Classification, etiology, clinic, clinical examinations, treatment.
81. Malignant tumors of the skin: basal and squamous cell carcinomas. Classification clinic, diagnosis, differential diagnosis, treatment.

82. Neuroectodermal tumors in the maxillofacial area. Etiology, clinical features, diagnosis, differential diagnosis, treatment.
83. Malignant mesenchymal tumors of soft tissue. Species clinic, diagnosis, differential diagnosis, treatment.
84. Malignant tumors of the jaw and facial bones. Species clinic, diagnosis, differential diagnosis, treatment.
85. Malignant tumors of the lips and cheeks. Species clinic, diagnosis, differential diagnosis, treatment.
86. Malignant tumors of the oral mucosa: malignant tumors of the oral floor and tongue. Etiology, clinical features, diagnosis, differential diagnosis, treatment. Complications.
87. Malignant tumors of the upper jaw, palate and maxillary sinus. Etiology, clinical features, diagnosis, differential diagnosis, treatment. Complications.
88. Benign tumors of the salivary glands. Classification, clinical features, diagnosis, differential diagnosis, treatment.
89. Malignant tumors of the salivary glands. Classification, clinical features, diagnosis, differential diagnosis, treatment.
90. Odontogenic tumors. Classification ,clinics, diagnosis, differential diagnosis, treatment.
91. Lymphomas / Hodgkin's and non-Hodgkin's. Clinical diagnosis, differential diagnosis, staging, treatment. Complications.
92. Metastatic and primary multiple tumors in the oro-facial region.
93. Neck tumors .Types. Differential diagnosis.
94. Principles and methods for treatment of tumors in the maxillofacial area.
95. Complications after radiotherapy - treatment outcome of patients with tumors in the oro-facial region.
96. Tasks of the dentist in patients with tumors in the oral cavity and maxillofacial area.
97. Rehabilitation of patients with tumors in the maxillofacial area.
98. Free skin grafting in the maxillofacial area. Indications, methods, complications.

99. Free grafting of bone, cartilage, bone substitutes. Indications, methods, complications.
100. Local plastic surgery in maxillofacial region. Method of Limberg using opposite triangular flap. Basic principles.
101. Surgical preparation of the jaws for prosthodontics. Indications and methods.
102. Bone substituting materials. Classification, types of grafts.
103. Implants in the maxillofacial area. Indications and contraindications. Methods.

Department's council protocol № 106 / 29.05.2023

Faculty's council protocol № 18 / 08.06.2023

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