MINISTRY OF HEALTH OF THE REPUBLIC OF BELARUS
Educational Institution
BELARUSIAN STATE MEDICAL UNIVERSITY

Контрольный экземпляр

APPROVED
by Rector of the Educational Institution «Belarusian State Medical University»

_____ S.P.Rubnikovich
26.06.2024

Reg. # UD-09111-03-14/2425edu.

MAXILLOFACIAL SURGERY AND OUTPATIENT MAXILLOFACIAL

Curriculum of the educational institution in the academic discipline for the specialty

1-79 01 07 «Dentistry»

2024

Curriculum is based on the educational program «Maxillofacial Surgery and Outpatient Maxillofacial Surgery», approved 26.06.2024, registration № УД-0911-03-14/2425/уч.; on the educational plan in the specialty 7-07-0911-03 «Dentistry», approved 15.05.2024, registration № 7-07-0911-03/2425/mf.

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RECOMMENDED FOR APPROVAL:

by the Department of Maxillofacial Surgery and Facial Plastic Surgery of the educational institution «Belarusian State Medical University»
(protocol № 23 of 29.04.2024);

by the Scientific and Methodological Council of the educational institution «Belarusian State Medical University»
(protocol № 18 of 26.06.2024)

EXPLANATORY NOTE

«Maxillofacial Surgery and Outpatient Maxillofacial Surgery» – the academic discipline of the Oral and Maxillofacial Surgery Module, which contains systematized scientific knowledge about the etiology, pathogenesis, clinical manifestations, diagnostic methods, modern principles of treatment surgical diseases of the maxillofacial region.

The aim of the academic discipline «Maxillofacial Surgery and Outpatient Maxillofacial Surgery» is the formation of specialized competencies for solving the problems of providing medical care to patients with surgical diseases of the maxillofacial region.

The objectives of the academic discipline «Maxillofacial Surgery and Outpatient Maxillofacial Surgery» are to form students' scientific knowledge about clinical manifestations and modern principles of surgical treatment in maxillofacial surgery and surgical dentistry, skills and abilities necessary for:

examination of patients with surgical diseases of the maxillofacial region;

conducting clinical, additional, special diagnostics of surgical diseases of the maxillofacial region;

formulating a diagnosis;

performing surgical treatment of patients with diseases of the maxillofacial region in hospitals and outpatient healthcare organizations;

diagnostics of complications in surgical dentistry;

provision of medical care for conditions that pose a threat to human life and (or) health in surgical dentistry.

The knowledge, skills and abilities acquired during the study of the academic discipline «Maxillofacial Surgery and Outpatient Maxillofacial Surgery» are necessary for the successful mastering of the following academic disciplines: «Oral and Maxillofacial Pediatric Surgery», «Oral Mucology».

A student who has mastered the content of the educational material of the academic discipline should have the following specialized competence: apply modern methods of clinical, additional, special diagnostics of surgical diseases of the maxillofacial region, modern principles of surgical treatment in maxillofacial surgery and surgical dentistry.

As a result of studying the academic discipline «Maxillofacial Surgery and Outpatient Maxillofacial Surgery» the student should

know:

the basic concepts of work of a dentist-surgeon with patients with surgical diseases of the maxillofacial region;

clinical manifestations of surgical diseases of the maxillofacial region;

complications of surgical diseases of the maxillofacial region;

the procedure for conducting a medical examination of patients with surgical diseases of the maxillofacial region;

modern methods of clinical, additional, special diagnostics of surgical diseases of the maxillofacial region;

modern principles of surgical treatment in maxillofacial surgery and surgical

dentistry;

organization of hospital and outpatient healthcare organizations in providing medical care to patients with surgical diseases of the maxillofacial region;

fundamentals of epidemiological safety in organizing treatment of patients with surgical diseases of the maxillofacial region;

clinical protocols establishing requirements for the volume of medical care provided to patients with surgical diseases of the maxillofacial region;

indications and contraindications for the use of medicines in surgical diseases of the maxillofacial region;

indications and contraindications for the use of antibiotic therapy for diseases of the oral mucosa;

be able to:

build rapport with patient;

to carry out a medical examination of the patient aimed at assessing the state of health and identifying surgical diseases of the maxillofacial region;

carry out the necessary diagnostics in order to identify surgical diseases of the maxillofacial region;

to carry out the necessary treatment of patients with diseases of the oral mucosa and maxillofacial region;

determine indications for additional diagnostic methods;

interpret the results of the received methods of examinations;

formulate a clinical diagnosis;

provide emergency medical care in conditions that pose a threat to the patient's life or in conditions that require urgent medical intervention;

use medications for surgical diseases of the maxillofacial region, including antibacterial ones;

fill in medical records, including electronic ones;

master:

methods of providing medical care to patients with surgical diseases of the maxillofacial region;

skills of providing emergency medical care.

Total number of hours for the study of the discipline is 686 academic hours, of which 453 classroom hours and 233 hours of student independent work. Classroom hours according to the types of studies: lectures – 33 hours, practical classes – 420.

Intermediate assessment is carried out according to the syllabus of the specialty in the form of credit (7, 9, 10 semesters) and examination (8 semester).

Form of higher education – full-time.

ALLOCATION OF ACADEMIC TIME ACCORDING TO SEMESTERS OF STUDY

Code, name of the specialty	semester	Number of academic hours					Form of intermediate assessment
		total	in-class	including		out-of-class self-studies	
				lectures	practical classes		
1-79 01 07 «Dentistry»	7	158	105	15	90	53	credit
	8	138	87	9	78	51	examination
	9	168	112	-	112	56	credit
	10	222	149	9	140	73	credit
Total hours		**686**	**453**	**33**	**420**	**233**	

THEMATIC PLAN

Section (topic) name	Number of class hours	
	lectures	practical
1. Inflammatory processes of the maxillofacial region	**1,5**	**45**
1.1. Pathways of infection spread for odontogenic inflammatory processes of maxillofacial region	-	5
1.2. Abscesses and phlegmons of the zygomatic, infraorbital and buccal regions	-	5
1.3. Abscesses and phlegmons of temporal region, temporopterygoid (infratemporal) region	-	5
1.4. Abscesses and phlegmons of pterygopalatine fossa, orbital region	-	5
1.5. Abscesses and phlegmons of submandibular, mental, submental, parotid regions	-	5
1.6. Abscesses and phlegmons of pterygomandibular region, retromandibular region, tongue	1,5	5
1.7. Abscesses and phlegmons of retropharyngeal and peripharyngeal regions	-	5
1.8. Phlegmon of mouth floor. Putrefactive-necrotic phlegmon of face and neck	-	5
1.9. Treatment principles of inflammatory disease the maxillofacial region	-	5
2. Diseases of salivary glands	**3**	**15**
2.1. Inflammatory diseases of salivary glands	1,5	5
2.2. Dystrophic diseases of salivary glands		5
2.3. Salivary stone disease	1,5	5
3. Temporomandibular joint diseases	**3**	**15**
3.1. Arthropathies and arthritis of temporomandibular joint. Pain syndrome of dysfunction, internal disorders of temporomandibular joint	1,5	5
3.2. Arthrosis and ankylosis of temporomandibular joint	1,5	5
3.3. Extra-articular lesions of temporomandibular joint. Dislocations of lower jaw	-	5
4. Neurogenic diseases of maxillofacial region	**1,5**	**15**
4.1. Trigeminal neuralgia and neuropathy	1,5	5
4.2. Facial pain syndromes		5
4.3. Facial nerve neuropathies		5
5. Trauma of maxillofacial region	**12**	**60**
5.1. Classification of traumatic injuries of maxillofacial region. Damage of soft tissue structures of maxillofacial region	1,5	6
5.2. Surgical treatment of soft tissue structures trauma of maxillofacial region. Medical prevention of tetanus, rabies	1,5	6

Section (topic) name	Number of class hours	
	lectures	practical
5.3. Traumatic dental injuries. Fractures of alveolar process the maxilla and alveolar part the mandible	1,5	6
5.4. Fractures of lower jaw	1,5	6
5.5. Fractures of upper jaw		6
5.6. Treatment of lower and upper jaws fractures. Medical rehabilitation of patients with jaws fractures	1,5	6
5.7. Fractures of zygomatic-orbital complex, zygomatic bone and zygomatic arch	1,5	6
5.8. Polytrauma. Combined trauma of maxillofacial region		6
5.9. Complications of traumatic injuries of maxillofacial region	1,5	6
5.10. Burns of maxillofacial region. Frostbite of maxillofacial region	1,5	6
6. Dental implantation	**3**	**18**
6.1. Indications and contraindications for dental implantation. Planning dental implantation	1,5	6
6.2. Surgical stages of dental implantation	1,5	6
6.3. Complications of dental implantation	-	6
7. Oncological diseases of maxillofacial region	**1,5**	**112**
7.1. Organization of oncological medical care in the Republic of Belarus. Examination of patients with neoplasms of maxillofacial region	-	7
7.2. Medical examination of patients with tumors of maxillofacial region. Dental care for patients with oncological diseases	-	7
7.3. Precancerous diseases of maxillofacial region	-	7
7.4. Malignant tumors the skin of face. Metastasis of malignant tumor of maxillofacial region	-	7
7.5. Malignant tumor of oral mucosa and lips	-	7
7.6. Malignant tumor of facial bones	-	7
7.7. Treatment principles of malignant tumor in the maxillofacial region. Surgery on lymphatic system of neck	1,5	7
7.8. Post-radiation osteonecrosis of jaws (osteoradionecrosis). Bisphosphonate osteonecrosis of jaws	-	7
7.9. Tumor-like diseases of facial bones	-	7
7.10. Benign tumors and tumor-like diseases of soft tissue structures of maxillofacial region	-	7
7.11. Odontogenic tumors of jaws	-	7
7.12. Osteogenic tumors of jaws	-	7
7.13. Non-osteogenic tumors of jaws	-	7
7.14. Differential diagnostics of jaw cysts	-	7

Section (topic) name	Number of class hours	
	lectures	practical
7.15. Vascular neoplasms, angiovenous malformations of maxillofacial region	-	7
7.16. Salivary gland tumors	-	7
8. Basic of restorative and reconstructive surgery of maxillofacial region	**4,5**	**56**
8.1. Planning of plastic surgery of maxillofacial area. Indications and contraindications for plastic reconstructive and aesthetic surgery	1,5	7
8.2. Plastic replacement of defects and deformations of maxillofacial region with local structures		7
8.3. Plastic replacement of defects and deformations of maxillofacial region with flaps with vessels		7
8.4. Free transplantation of skin, fat tissue, fascia of maxillofacial surgery	1,5	7
8.5. Free cartilage and bone graft procedures in maxillofacial surgery	-	7
8.6. Surgical treatments for facial muscle paralysis	-	7
8.7. Surgical methods treatments of anomalies and deformations of lower jaw	1,5	7
8.8. Surgical methods treatments anomalies and deformations in midface		7
9. Surgical preparation of oral cavity for prosthetics	**1,5**	**28**
9.1. Tooth-preserving surgery	-	7
9.2. Bone pre-prosthetic surgery	-	7
9.3. Dental implantation: types of dental implants, indications, contraindications, patient examination	1,5	7
9.4. Dental implantation: methods of implementation, complications	-	7
10. Special questions of surgical dentistry and maxillofacial surgery	**1,5**	**56**
10.1. Types of wounds. Types of wound healing. Main factors affecting wound healing. Scars formation	-	7
10.2. Surgical methods treatment of diseases temporomandibular joint	-	7
10.3. Differential diagnostics of salivary gland diseases	1,5	7
10.4. Facial pain	-	7
10.5. Gunshot wounds of maxillofacial region	-	7
10.6. Differential diagnostics of abscesses and phlegmons maxillofacial region in upper jaw region	-	7
10.7. Differential diagnostics of maxillary sinuses diseases	-	7

Section (topic) name	Number of class hours	
	lectures	practical
10.8. Differential diagnostics of abscesses and phlegmons maxillofacial region in lower jaw region and neck	-	7
Total hours	**33**	**420**

CONTENT OF THE EDUCATIONAL MATERIAL

1. Inflammatory processes of the maxillofacial region

1.1. Pathways of infection spread for odontogenic inflammatory processes of maxillofacial region

Pathways of spread of purulent-inflammatory process from periapical tissues in the upper jaw area to cellular spaces of the maxillofacial area. Spread of infection to natural cavities of bones of the middle zone of the facial skull: maxillary sinuses, frontal sinus, ethmoid labyrinth, nasal cavity, orbit and sphenoid bone.

Pathways of spread of purulent-inflammatory process from periapical tissues in the lower jaw area to cellular spaces in the area of this bone. Pathways of spread of purulent-inflammatory processes to the neck and mediastinum area. Odontogenic inflammatory processes of maxillofacial organs and pathways of infection spread.

Study of the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of the dental and general somatic status, conducting clinical examination methods in patients with purulent-inflammatory processes in the maxillofacial region. Analysis of the results of special examination methods: radiological (cone-beam computed tomography (CBCT), spiral computed tomography (CT), dental radiography, panoramic radiography), magnetic resonance imaging (MRI) examination of the maxillofacial region, ultrasound of soft tissue structures. Registration of medical documents, including electronic ones.

1.2. Abscesses and phlegmons of the zygomatic, infraorbital and buccal regions

Zygomatic region: boundaries of the zygomatic region, anatomical structures located in this region. Pathways of infection spread to this region. Examination of patients with purulent-inflammatory processes in the zygomatic region. Clinical manifestations of abscesses and phlegmons of the zygomatic region. Surgical approaches for primary surgical treatment (hereinafter referred to as PST) of a purulent focus.

Infraorbital region: boundaries of the infraorbital region, anatomical structures located in this region. Pathways of infection spread to this region. Examination of patients with purulent-inflammatory processes of the infraorbital region. Clinical manifestations of abscesses and phlegmons of the infraorbital region. Surgical approaches for primary surgical treatment of a purulent focus.

Buccal area: boundaries of the buccal area, anatomical structures located in this area. Pathways of infection spread to this area. Examination of patients with purulent-inflammatory processes in the buccal area. Clinical manifestations of superficial abscesses and phlegmons of the buccal area. Clinical manifestations of deep abscesses and

phlegmons of the buccal area. Surgical approaches for primary surgical treatment of a purulent focus in superficial and deep abscesses and phlegmons of the buccal area.

Study of the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with purulent-inflammatory processes in the zygomatic, infraorbital, and buccal regions. Analysis of the results of special examination methods: radiological (CBCT, CT, dental radiography, panoramic radiography), MRI of the maxillofacial region, ultrasound of soft tissues. Registration of medical documents, including electronic ones.

1.3. Abscesses and phlegmons of temporal region, temporopterygoid (infratemporal) region

Temporal region: borders of the temporal region, anatomical structures located in this region. Pathways of infection spread to this region. Examination of patients with purulent-inflammatory processes in the temporal region. Clinical manifestations of superficial abscesses and phlegmons of the temporal region. Clinical manifestations of deep abscesses and phlegmons of the temporal region. Surgical approaches for primary surgical treatment of a purulent focus in superficial and deep abscesses and phlegmons of the temporal region.

Temporopterygoid (infratemporal) space: boundaries of the temporopterygoid (infratemporal) space, anatomical structures located in this area. Pathways of infection spread to this area. Examination of patients with purulent-inflammatory processes of the temporopterygoid (infratemporal) space. Clinical manifestations of abscesses and phlegmons of the temporopterygoid (infratemporal) space. Surgical approaches for primary surgical treatment of a purulent focus in abscesses and phlegmons of the temporopterygoid (infratemporal) space.

Study of the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with abscesses and phlegmons of the temporal region, temporopterygoid (infratemporal) space, preparation of medical documents, including electronic ones. Analysis of the results of special examination methods: radiological (CBCT, CT, dental radiography, panoramic radiography), MRI examination of the maxillofacial region, ultrasound of soft tissue structures.

1.4. Abscesses and phlegmons of pterygopalatine fossa, orbital region

Pterygopalatine fossa: boundaries of the pterygopalatine fossa, anatomical structures located in this area. Pathways of infection spread to this area. Examination of patients with purulent-inflammatory processes in the temporal region. Clinical manifestations of superficial abscesses and phlegmons of the temporal region. Clinical manifestations of deep abscesses and phlegmons of the temporal region. Surgical approaches for primary surgical treatment of a purulent focus in superficial and deep abscesses and phlegmons of the temporal region.

Orbital area: the orbit itself and eyelid areas. Structure of the orbit and orbital organs. Eyelids and their structures. Clinical manifestations of abscesses and phlegmons of the orbital area. Surgical approaches for primary surgical treatment of a purulent focus.

Study of the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of the dental and general somatic status, conducting clinical examination methods in patients with abscesses and phlegmons of the pterygopalatine fossa, orbital area, preparing medical documents, including electronic ones. Analysis of the results of special examination methods: radiological (CBCT, CT, dental radiography, panoramic radiography), MRI examination of the maxillofacial region, ultrasound of soft tissue structures.

1.5. Abscesses and phlegmons of submandibular, mental, submental, parotid regions

Submandibular region (triangle): boundaries of the region, anatomical structures located in this region. Pathways of infection spread to this region. Examination of patients with purulent-inflammatory processes of the submandibular region. Clinical manifestations of abscesses and phlegmons of the submandibular region. Surgical approaches for primary surgical treatment of a purulent focus in abscesses and phlegmons of the submandibular region.

Submental area (triangle): boundaries of the area. Pathways of infection spread to this area. Examination of patients with purulent-inflammatory processes of the submental area. Clinical manifestations of abscesses and phlegmons of the submental area. Surgical approaches for primary surgical treatment of a purulent focus in abscesses and phlegmons of the submental area.

Mental area: boundaries of the area. Pathways of infection spread to this area. Examination of patients with purulent-inflammatory processes of the submental area. Clinical manifestations of abscesses and phlegmons of the submental area. Surgical approaches for primary surgical treatment of a purulent focus in abscesses and phlegmons of the submental area.

Parotid area: boundaries of the area, anatomical structures located in this area. Submasseter space. Pathways of infection spread to this area. Examination of patients. Clinical manifestations of abscesses and phlegmons of the parotid area. Surgical approaches for primary surgical treatment of a purulent focus in the parotid area.

Study of the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with abscesses and phlegmons of the maxillofacial region, preparing medical documents, including electronic ones. Analysis of the results of special examination methods: radiological (CBCT, CT, dental radiography, panoramic radiography), MRI examination of the maxillofacial region, ultrasound of soft tissue structures.

1.6. Abscesses and phlegmons of pterygomandibular region, retromandibular region, tongue

Pterygomandibular space: boundaries of the space. Pathways of infection spread to this structure. Examination of patients. Clinical manifestations of abscesses and phlegmons of the pterygomandibular space. Surgical approaches for primary surgical treatment of a purulent focus of the pterygomandibular space.

Retromandibular region: boundaries of the region. Pathways of infection spread to

this region. Examination of patients with purulent-inflammatory processes in the retromandibular region. Clinical manifestations of abscesses and phlegmons of the chin area. Surgical approaches for primary surgical treatment of a purulent focus in abscesses and phlegmons of the retromandibular region.

Tongue: Examination of patients with purulent-inflammatory processes of the tongue. Clinical manifestations of abscesses and phlegmons of the tongue. Surgical approaches for primary surgical treatment of a purulent focus in abscesses and phlegmons of the tongue.

Study of the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of the dental and general somatic status, conducting clinical examination methods in patients with abscesses and phlegmons of the pterygomandibular space, retromandibular region, tongue, preparing medical documents, including electronic ones. Analysis of the results of special examination methods: radiological (CBCT, CT, dental radiography, panoramic radiography), MRI examination of the maxillofacial region, ultrasound of soft tissue structures.

1.7. Abscesses and phlegmons of retropharyngeal and peripharyngeal regions

Parapharyngeal and retropharyngeal spaces: boundaries of the space. Pathways of infection spread to this structure. Examination of patients. Clinical manifestations of abscesses and phlegmons of the parapharyngeal and retropharyngeal spaces. Surgical approaches for primary surgical treatment of a purulent focus of the spaces.

Studying the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with abscesses and phlegmons of the peripharyngeal and retropharyngeal spaces, preparing medical documents, including electronic ones.

1.8. Phlegmon of mouth floor. Putrefactive-necrotic phlegmon of face and neck

Phlegmon of the floor of the mouth: Clinical and anatomical boundaries of the floor of the mouth. Topography of the sublingual region. Clinical areas of the sublingual region. Clinical manifestations of phlegmon of the floor of the mouth.

Peculiarities of the course of putrefactive-necrotic processes in the maxillofacial region. Possible complications.

Study of the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with abscesses and phlegmons of the maxillofacial region, preparing medical documents, including electronic ones. Analysis of the results of special examination methods: radiological (CBCT, CT, dental radiography, panoramic radiography), MRI examination of the maxillofacial region, ultrasound of soft tissue structures.

1.9. Treatment principles of inflammatory disease the maxillofacial region

The concept of complex, balanced treatment of inflammatory diseases of the maxillofacial region.

Surgical treatment of inflammatory diseases of the maxillofacial region: primary surgical treatment of a purulent focus (PSC), complete PSC of a purulent focus, incomplete surgical treatment of a purulent focus. Local treatment of purulent wounds according to the phases of the wound process.

Use of medicines of different forms and dosages in accordance with the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

2. Diseases of salivary glands

2.1. Inflammatory diseases of salivary glands

Acute non-specific inflammatory diseases of the salivary glands: etiologic factors causing the disease, clinical manifestations. Examination of patients with inflammatory diseases of the salivary glands: ultrasound examination, radiographic examination of patients. Magnetic resonance imaging (MRI).

Chronic inflammatory diseases of the salivary glands: clinical manifestations. Peculiarities of clinical manifestations during exacerbation. Special methods of patient examination.

Specific sialadenitis: viral, cat scratch disease, actinomycosis, tuberculosis. Features of clinical manifestations and laboratory examinations.

Study of the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

2.2. Dystrophic diseases of salivary glands

Sjogren's syndrome: possible etiologic factors of the disease. Features of clinical manifestations of the disease. Laboratory examination of patients.

Mikulicz disease: possible etiologic factors of the disease. Features of clinical manifestations of the disease. Laboratory examination of patients.

Diseases of the salivary glands in patients with systemic diseases: lupus erythematosus, scleroderma. Diseases of connective tissue. Features of clinical manifestations. Laboratory examination of patients.

Study of the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

2.3. Salivary stone disease

Etiological factors contributing to the development of salivary stone disease. Clinical manifestations of the disease. Special methods of examination of patients with salivary stone disease. Organ-preserving operations for salivary stone disease. Indications for radical methods of treatment of salivary stone disease.

Sialodochitis: causes, clinical manifestations, special methods of patient examination.

Studying the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with salivary stone disease, preparing medical documents, including electronic ones.

3. Temporomandibular joint diseases

3.1. Arthropathies and arthritis of temporomandibular joint. Pain syndrome of dysfunction, internal disorders of temporomandibular joint

Classification, etiology, pathogenesis, clinical picture, diagnostics of arthropathies, arthritis of the temporomandibular joint (hereinafter - TMJ). Planning complex treatment of patients with arthropathies , arthritis of the TMJ together with doctors of other specialties, medical prevention of the disease. Examination of temporary disability, medical examination of patients with arthropathies , arthritis TMJ.

Conducting a clinical examination of patients with arthropathies , arthritis of the TMJ. Clinical analysis of patients. Demonstration of multimedia presentations. Interpretation of data from radiological examination methods.

Clinical manifestations of internal TMJ disorders. Diagnostics, treatment planning for patients with pain syndrome dysfunction, internal TMJ disorders together with general practitioners and orthopedic dentists, medical prevention of the disease. Examination of temporary disability, medical examination of patients with pain syndrome dysfunction, internal TMJ disorders.

Study of the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with arthropathies and arthritis of the temporomandibular joint, pain dysfunction syndrome, internal disorders of the temporomandibular joint.

3.2. Arthrosis and ankylosis of temporomandibular joint

Clinical manifestations and diagnostics of TMJ arthrosis. Conducting a clinical examination of patients with TMJ arthrosis . Planning complex treatment of patients with TMJ arthrosis together with doctors of other specialties, medical prevention of the disease. Examination of temporary disability, medical examination of patients with and arthrosis ami TMJ.

Clinical manifestations and diagnostics of TMJ ankylosis. Planning complex treatment of patients with TMJ ankylosis together with doctors of other specialties, medical prevention of the disease. Examination of temporary disability, medical examination of patients with TMJ ankylosis.

Study of the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with arthrosis and ankylosis of the temporomandibular joint.

3.3. Extra-articular lesions of temporomandibular joint. Dislocations of lower jaw

Classification, etiology, pathogenesis, clinical picture, diagnostics of extra-articular lesions of the TMJ, dislocations of the lower jaw. Planning complex treatment of patients with extra-articular lesions of the TMJ, dislocations of the lower jaw together with doctors of other specialties, medical prevention of the disease.

Study of the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (Resolution of the Ministry of Health of the Republic of Belarus № 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with extra-articular lesions of the TMJ, dislocations of the lower jaw. Clinical analysis of patients.

4. Neurogenic diseases of maxillofacial region

4.1. Trigeminal neuralgia and neuropathy

Etiology, pathogenesis theories, pain formation mechanism, clinical picture, diagnostics of trigeminal neuralgia. Study of principles of conservative and surgical treatment methods, terms and indications for surgical methods of treating trigeminal nerve diseases, medical prevention of the disease. Features of conducting temporary disability examination and medical examination of patients with trigeminal neuralgia.

Etiology, pathogenesis, diagnostics of trigeminal neuropathies. Study of principles of conservative and surgical methods of treatment of trigeminal nerve diseases (decompression of the nerve in case of traumatic compression by a foreign body, bone fragment), medical prevention of the disease. Features of conducting examination of temporary disability and medical examination of patients with trigeminal neuropathies.

Studying the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with neuralgia, trigeminal neuropathy.

4.2. Facial pain syndromes

Classification of facial pain syndromes. Etiology, pathogenesis theories, mechanism of pain formation, clinical picture, diagnostics of facial pain syndromes. Features of conducting temporary disability examination and medical examination of patients with facial pain syndromes.

Studying the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with facial pain syndromes.

4.3. Facial nerve neuropathies

Classification of facial nerve neuropathies. Etiology, pathogenesis, diagnostics of facial nerve neuropathies. Features of conducting temporary disability examination and clinical examination of patients with facial nerve neuropathies. Conservative treatment methods, surgical treatment methods for facial nerve neuropathies, medical prevention of the disease.

Study of the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with facial nerve neuropathies.

5. Trauma of maxillofacial region

5.1. Classification of traumatic injuries of maxillofacial region. Damage of soft tissue structures of maxillofacial region

Classification of traumatic injuries of the maxillofacial region. Definition and clinical manifestations of bruises, abrasions, wounds of the maxillofacial region. Methods of diagnostics of injuries of the maxillofacial region. Classification of wounds. Features of clinical manifestation and diagnostics depending on their type. Features of clinical

manifestation and diagnostics of wounds of major salivary glands and their main excretory ducts. Diagnostics of traumatic injuries of the trunks of nerves of the maxillofacial region. Diagnostics of wounds penetrating into the oral cavity.

Study of the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with traumatic injuries of the maxillofacial region.

5.2. Surgical treatment of soft tissue structures trauma of maxillofacial region. Medical prevention of tetanus, rabies

Stages of surgical treatment of soft tissue injuries of the maxillofacial region: bruises, abrasions, wounds. Classification of bleeding. Methods of stopping bleeding. Features of treatment of wounds penetrating into the oral cavity; wounds with damage to the major salivary glands and their main excretory ducts. Features of drainage and choice of suture material. Methods of suturing. Instrumentation for surgical treatment of soft tissue injuries of the maxillofacial region. Medical prevention of tetanus, rabies. Regulatory documents governing the prevention of tetanus and rabies.

Studying the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with traumatic injuries of the maxillofacial region.

5.3. Traumatic dental injuries. Fractures of alveolar process the maxilla and alveolar part the mandible

Classification of traumatic dental injuries. Clinical picture, diagnostics, tactics of treatment of dental fractures. Diagnostics and surgical tactics in case of partial and complete tooth dislocation. Fixation of teeth in case of partial and complete tooth dislocation, tooth replantation. Indications and terms of endodontic treatment in case of partial and complete tooth dislocation. Clinical manifestations, diagnostics, methods of orthopedic and surgical treatment fractures of the alveolar process of the upper jaw, alveolar part of the lower jaw.

Studying the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with traumatic dental injuries.

5.4. Fractures of lower jaw

Classification of mandibular fractures. Mechanism of bone fragment displacement in mandibular fracture. Clinical manifestation, diagnostics of mandibular fractures.

Studying the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with a mandible fracture.

5.5. Fractures of upper jaw

Classification of fractures of the upper jaw. Clinical manifestation, diagnosis of fracture of the upper jaw.

Studying the clinical protocol «Diagnostics and treatment of patients with diseases

of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with maxillary fractures.

5.6. Treatment of lower and upper jaws fractures. Medical rehabilitation of patients with jaws fractures

Types of temporary immobilization. Orthopedic treatment method fractures of the lower and upper jaws. Types of splints, Rudko and Chudakov devices. Indications for orthopedic and surgical (osteosynthesis) treatment methods. Instrumentation required for performing transfocal osteosynthesis of the jaw with a wire suture, mini-plate system. Stages of osteosynthesis of a fracture of the lower / upper jaw. Optimal timing of surgical treatment. Exercise therapy, types of physiotherapy in the rehabilitation of patients with fractures of the lower and upper jaws. Medicine treatment.

Using medications of different forms and dosages in accordance with the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with fractures of the upper and lower jaws.

5.7. Fractures of zygomatic-orbital complex, zygomatic bone and zygomatic arch

Classification, clinical picture, diagnostics of fractures of the zygomatic bone and arch, zygomatic-orbital complex. Indications for conservative and surgical treatment of fractures of the zygomatic arch and bone. Types of surgical treatment of fractures of the zygomatic bone and arch, zygomatic-orbital complex. Stages of surgical treatment of fractures of the zygomatic bone and arch, zygomatic-orbital complex.

Instrumentation required for performing the operation of repositioning and fixation of the zygomatic bone, arch, zygomatic-orbital complex. Optimal timing of surgical treatment. Medicine therapy.

Studying the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with fractures of the zygomatic bone and arch, zygomatic -orbital complex.

5.8. Polytrauma. Combined trauma of maxillofacial region

The concept of combined trauma, combined injury. Clinical manifestation and diagnostics of combined maxillofacial and craniocerebral trauma, combined trauma. Diagnostics of hidden liquorrhea. Scheme of patient examination according to the ABCDE system. The procedure for providing primary medical care, specialized medical care, high-tech medical care, including jointly with doctors of other specialties in combined and combined injuries. Optimal timing of surgical treatment.

Studying the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with combined maxillofacial and craniocerebral trauma, combined trauma. Providing emergency medical care (emergency, urgent).

5.9. Complications of traumatic injuries of maxillofacial region

Scheme of patient examination according to the ABCDE system. Local

complications of traumatic injuries of the maxillofacial region. Clinical manifestations of suppuration of the wound of soft structures of the maxillofacial region, suppuration of the bone wound, chronic traumatic osteomyelitis, delayed consolidation, pseudoarthrosis, muscle contracture and ankylosis of the temporomandibular joints. Diagnostics of local complications of injuries of the maxillofacial region. Indications, contraindications for surgical treatment of local complications of injuries of the maxillofacial region. Optimal timing of surgical treatment, postoperative patient management.

General complications of traumatic injuries of the maxillofacial region. Traumatic shock, hemorrhagic shock, asphyxia. Classification of asphyxia. Diagnostics of traumatic and hemorrhagic shocks, asphyxia. Provision of medical care to patients with general complications of maxillofacial injuries in healthcare organizations of various levels: trauma center, district hospital, city and regional hospitals.

Studying the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with complications of traumatic injuries of the maxillofacial region. Providing emergency medical care (emergency, urgent).

5.10. Burns of maxillofacial region. Frostbite of maxillofacial region

Classification of burns and frostbite of the maxillofacial region, oral cavity, Determination of the area of damage. Provision of primary and specialized medical care to patients with burns and frostbite of the face. Transportation of victims. Surgical treatment of patients with burns and frostbite of the maxillofacial region: indications, contraindications, methods of implementation, optimal timing of surgical treatment, possible complications, postoperative patient management.

Studying the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients. Providing emergency medical care (emergency, urgent).

6. Dental implantation

6.1. Indications and contraindications for dental implantation. Planning dental implantation

Implantology development. Classification of dental implants. Certification of dental implant alloys in the Republic of Belarus. Indications and contraindications for dental implantation and selection of implant types. Requirements for implant alloys. Classification of implant alloys. Classification of radiation diagnostic methods used for planning dental implantation; advantages and disadvantages of these methods. Classification of dental arch defects. Classification of bone density. Classification of dental implantation techniques: classical technique; direct implantation; all technique on 4; methodology all on 6. Indications and contraindications for these methods. The role of the orthopedic dentist and the dental surgeon in Determination of the patient's treatment plan with replacement of the dental row defect with dental implants.

Studying the clinical protocol «Diagnostics and Treatment of Patients (Adult Population) with Partial Adentia» (№ 84 dated 08.10.2022). Studying the clinical protocol «Diagnostics and Treatment of Patients (Adult Population) with Complete Adentia»

(№ 84 dated 08.10.2022).

Practical skills. Determination of the dental and general somatic status, conducting clinical examination methods in patients with partial secondary edentia, complete secondary edentia.

6.2. Surgical stages of dental implantation

Requirements for compliance with the sanitary and epidemiological regime at a dental surgical appointment. Legislative acts regulating the implementation of the sanitary and epidemiological regime at a dental surgical appointment. Classification of dental implantation techniques: classical technique; direct implantation; all technique on 4; methodology all on 6. Peculiarities of dental implantation in patients with complete edentia. Peculiarities of dental implantation in the area of the maxillary sinus, mandibular canal, in the area of significant atrophy of the alveolar part of the lower jaw/alveolar process of the upper jaw. Timing of the dental operation after tooth extraction on the upper and lower jaws. Indications and contraindications, advantages and disadvantages of these methods. Surgical stages of patient treatment with replacement of dental defects with implants; Determination of the timing of treatment stages. Equipment and instruments required for dental implantation surgery.

Study of the clinical protocol «Diagnostics and treatment of patients (adult population) with partial edentia» (№ 84 dated 08.10.2022). Study of the clinical protocol «Diagnostics and treatment of patients (adult population) with complete edentia» (№ 84 dated 08.10.2022).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with partial secondary edentia, complete secondary edentia.

6.3. Complications of dental implantation

Classification of complications during dental implantation. Immediate and remote complications after dental implantation. Clinical manifestations of immediate and remote complications during dental implantation. Causes of development, diagnostic methods and treatment of complications of dental implantation.

Study of clinical protocols «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 08.04.2017), «Diagnostics and treatment of patients (adult population) with partial edentia» (№ 84 dated 08.10.2022), «Diagnostics and treatment of patients (adult population) with complete edentia» (№ 84 dated 08.10.2022).

Practical skills. Determination of the dental and general somatic status, conducting clinical examination methods in patients with complications of dental implantation.

7. Oncological diseases of maxillofacial region

7.1. Organization of oncological medical care in the Republic of Belarus. Examination of patients with neoplasms of maxillofacial region

Structure and equipment of oncological healthcare organizations. Procedure for referring patients with neoplasms of the maxillofacial region for examination and treatment in oncological organizations. Documentation required for working with patients with neoplasms of the maxillofacial region. Verification of oncological disease: types of biopsies. Methods of collecting biological material for cytological examination. Examination methods used to diagnose neoplasms of the maxillofacial region.

Study of the clinical protocol «Diagnostics and treatment of patients with diseases

of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with neoplasms of the maxillofacial region. Registration of medical documents, including electronic ones.

7.2. Medical examination of patients with tumors of maxillofacial region. Dental care for patients with oncological diseases

Medical observation (dispensary monitoring) of patients with neoplasms of the maxillofacial region. Groups of dispensary observation of patients. Terms, periods of medical observation of patients with neoplasms of the maxillofacial region. Documentation required for work with patients with neoplasms of the maxillofacial region. Features of providing dental care to patients with oncological diseases before, during and after radiation therapy and/or chemotherapy. Optimal timing for providing dental care to patients with oncological diseases.

Study of the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with neoplasms of the maxillofacial region. Registration of medical documents, including electronic ones.

7.3. Precancerous diseases of maxillofacial region

The concept of «precancerous diseases». The concept of «oncoalertness». Signs of malignancy of precancerous diseases. Factors contributing to the development of precancerous diseases of the maxillofacial region. Classification, clinical picture. Diagnostic methods for studying precancerous diseases. Treatment methods: indications, contraindications to them. Optimal timing of surgical treatment of patients with precancerous diseases, possible complications. Medical observation of patients with precancerous disease.

Studying the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with precancerous diseases of the maxillofacial region.

7.4. Malignant tumors the skin of face. Metastasis of malignant tumor of maxillofacial region

TNM classification of neoplasms of the maxillofacial region. Classification Grade. Etiology, classification, clinical manifestations of malignant neoplasms of the skin. Diagnostic methods for studying malignant neoplasms of the skin. Differential diagnostics. Pathways of metastasis of neoplasms. Spread and levels of lymphogenous regional metastasis of neoplasms of the maxillofacial region, clinical picture, diagnostics. Pathways of metastasis of skin cancer, melanoma. Combined, comprehensive and combined treatment. Treatment used in patients with malignant neoplasms of the skin. Medical rehabilitation of patients with malignant neoplasms of the skin.

Studying the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with tumors of the skin of the maxillofacial region.

7.5. Malignant tumor of oral mucosa and lips

Etiology, classification, clinical picture, diagnostics, differential diagnostics, routes of metastasis, combined, comprehensive and combined treatment of malignant neoplasms of the oral mucosa and lip. Surgical treatment of malignant neoplasms of the oral mucosa and lip: indications, methods of implementation, optimal timing of surgical treatment, possible complications, postoperative patient management. Medical rehabilitation of patients with malignant neoplasms of the oral mucosa and lip.

Studying the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with tumors of the oral mucosa and lips.

7.6. Malignant tumor of facial bones

Etiology, classification, clinical picture. Diagnostic methods for studying malignant neoplasms of the facial bones. Differential diagnostics. Pathways of metastasis of malignant neoplasms of the facial bones. Combined, comprehensive and combined treatment of malignant neoplasms of the facial bones. Surgical treatment of malignant neoplasms of the facial bones: indications, methods of implementation, optimal timing of surgical treatment, possible complications, postoperative patient management. Medical rehabilitation of patients with malignant tumors of the facial bones.

Studying the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with complications of traumatic injuries to the maxillofacial region with tumors of the bones of the facial part of the skull.

7.7. Treatment principles of malignant tumor in the maxillofacial region. Surgery on lymphatic system of neck

Radical, palliative, symptomatic treatment of patients with tumors of the maxillofacial region. Combined, comprehensive, combined treatment of neoplasms of the maxillofacial region. Principles and methods of radiation therapy, surgical treatment, chemotherapy. Principles of treatment of malignant neoplasms of the maxillofacial region. Operations on the lymphatic system (cervical lymph node dissection, radical cervical lymph node dissection, selective cervical lymph node dissection): indications, methods of implementation, optimal timing of surgical treatment, possible complications, postoperative patient management.

Using medicines of different forms and dosages in accordance with the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with tumors of the maxillofacial region.

7.8. Post-radiation osteonecrosis of jaws (osteoradionecrosis). Bisphosphonate osteonecrosis of jaws

Classification, etiology, pathogenesis theories, clinical picture, diagnostics, methods of treatment of osteoradionecrosis, bisphosphonate osteonecrosis of the jaws. Differential diagnostics. Indications for conservative treatment, surgical treatment. Experimental treatment methods: hyperbaric oxygenation, stem cell transplantation, use

of growth factors and low-intensity laser therapy. Photobiomodulation therapy and magnetic therapy. Determination of the optimal timing of surgical intervention in the oral cavity in patients receiving bisphosphonate therapy, in patients after radiation therapy. Features of surgical treatment of patients after chemotherapy / radiation therapy.

Studying the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with jaw necrosis.

7.9. Tumor-like diseases of facial bones

Classification, etiology, pathogenesis theories of tumor-like diseases of the facial bones: fibrous dysplasia (Breitzev-Lichtenstein disease), cherubism, deforming osteodystrophy (Paget's disease), Engel-Recklinghausen disease, eosinophilic granuloma. Clinical manifestations of the disease. Diagnostic methods for studying tumor-like diseases of the facial bones. Differential diagnostics. Treatment methods. Indications for surgical treatment of tumor-like diseases of the facial bones.

Studying the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with tumor-like diseases of the facial bones.

7.10. Benign tumors and tumor-like diseases of soft tissue structures of maxillofacial region

Classification, clinical picture, diagnostics, surgical methods of treatment of papilloma and papillomatosis, fibroma, lipoma, neurofibroma, atheroma, retention cyst of the minor salivary gland, nevus, epulis. Neck cysts: dermoid, epidermoid, median, lateral. Differential diagnostics, treatment of benign neoplasms and tumor-like diseases of soft tissue structures of the maxillofacial region. Surgical treatment of benign neoplasms and tumor-like diseases of soft tissue structures of the maxillofacial region: indications, methods of implementation, optimal timing of surgical treatment, possible complications, postoperative patient management.

Study of the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with benign tumors and tumor-like diseases of soft tissue structures of the maxillofacial region.

7.11. Odontogenic tumors of jaws

Classification, clinical manifestations of ameloblastoma, odontoma, cementoma, odontogenic fibroma. Diagnostic methods for studying odontogenic neoplasms of the jaws. Differential diagnostics. Methods of treating odontogenic neoplasms. Surgical treatment of ameloblastoma, odontoma, cementoma, odontogenic fibroma: indications, methods of implementation, optimal timing of surgical treatment, possible complications. Postoperative medical rehabilitation of patients with odontogenic tumors of the jaws.

Studying the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with complications of traumatic injuries to the

maxillofacial region with odontogenic tumors of the jaws.

7.12. Osteogenic tumors of jaws

Classification, clinical manifestations of osteoblastoclastoma, osteoma, osteoid osteoma. Diagnostic methods for studying osteogenic tumors of the jaws. Differential diagnostics. Methods of treating osteogenic tumors. Surgical treatment of osteoblastoclastoma, osteoma, osteoid osteoma: indications, methods of implementation, optimal timing of surgical treatment, possible complications. Postoperative medical rehabilitation of patients with osteogenic tumors of the jaws.

Studying the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with osteogenic tumors of the jaws.

7.13. Non-osteogenic tumors of jaws

Classification, Clinical manifestations fibroma, neurofibroma, cholesteatomas, myxomas, chondromas. Diagnostic methods for studying non-osteogenic tumors of the jaws. Differential diagnostics. Methods for treating non-osteogenic tumors. Surgical treatment of fibroma, neurofibroma, cholesteatomas, myxomas, chondromas. Optimal timing of surgical treatment of non - osteogenic tumors, possible complications. Postoperative medical rehabilitation of patients with non-osteogenic tumors of the jaws.

Studying the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with non-osteogenic tumors of the jaws.

7.14. Differential diagnostics of jaw cysts

Classification of jaw cysts. Etiology, pathogenesis of non-odontogenic and odontogenic cysts of the jaws. Diagnostic methods for examining jaw cysts. Differential diagnostics of odontogenic, non-odontogenic cysts, cystic forms of neoplasms. Methods of surgical treatment of cysts. Indications and contraindications for cystectomy, cystotomy. Preoperative preparation of patients with a jaw cyst extending to the roots of the tooth (teeth). Possible complications in the treatment of jaw cysts. Postoperative medical rehabilitation of patients with jaw cysts.

Studying the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with jaw cysts.

7.15. Vascular neoplasms, angiovenous malformations of maxillofacial region

Classification of vascular neoplasms, angiovenous malformations of the maxillofacial region. Classification of hemangiomas. Etiology, pathogenesis, clinical manifestation of vascular neoplasms, angiovenous malformations. Diagnostic methods for studying vascular neoplasms, angiovenous malformations . Differential diagnostics of vascular neoplasms, angiovenous malformations. Methods of treatment of vascular neoplasms, angiovenous malformations. Indications for surgical treatment methods: electrocoagulation, cryodestruction, laser coagulation, sclerotherapy. Surgical and combined methods of treating vascular neoplasms and angiovenous malformations of the

maxillofacial region: indications, methods, optimal timing of surgical treatment, possible complications.

Postoperative medical rehabilitation of patients with vascular tumors, angiovenous malformations.

Study of the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 of 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with vascular tumors, angiovenous malformations.

7.16. Salivary gland tumors

Classification, clinical picture, diagnostics of cysts of major salivary glands, pleomorphic and monomorphic adenomas, oxyphilic cell neoplasms, mucoepidermoid neoplasms of varying degrees of differentiation, cylinders (adenocystic carcinomas), adenocarcinomas. Differential diagnostics of neoplasms of the salivary glands with sialodenitis, sialosis, salivary stone disease. Methods of treatment of benign and malignant neoplasms of the salivary glands. Surgical treatment of benign neoplasms of the salivary glands: indications, methods, optimal timing of surgical treatment, possible complications.

Study of the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with salivary gland tumors.

8. Basic of restorative and reconstructive surgery of maxillofacial region

8.1. Planning of plastic surgery of maxillofacial area. Indications and contraindications for plastic reconstructive and aesthetic surgery

Modern possibilities, goals and tasks of reconstructive surgery. Planning of plastic reconstructive and aesthetic surgeries in the maxillofacial area. Indications and contraindications for plastic reconstructive and aesthetic surgeries. Determination of the size of the defect. Selecting a plastic material to close the defect. Planning the stages of the operation. Timing of the operation. Preparing the patient for reconstructive surgery.

Studying the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with defects and deformations of the maxillofacial region.

8.2. Plastic replacement of defects and deformations of maxillofacial region with local structures

Indications for the use of plastic replacement of defects and deformations with local tissues in the maxillofacial area, preoperative preparation of patients. Methods of plastic surgery with local tissues: advantages and disadvantages, indications, methods of implementation, optimal timing of surgical treatment, possible complications, postoperative rehabilitation of patients. Plastic surgery with local tissues according to Shimanovsky, Limberg.

Studying the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting

clinical examination methods in patients with defects and deformations of the maxillofacial region.

8.3. Plastic replacement of defects and deformations of maxillofacial region with flaps with vessels

Types of pedicle flaps in plastic surgery for soft tissue defects. Determination of the size of the defect. Fundamentals of microsurgical vascular plastic surgery. Advantages and disadvantages of pedicle flaps. Indications for the use of pedicle flaps in maxillofacial surgery, preoperative preparation of patients. Stages of surgical treatment, postoperative management of patients.

Study of the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with defects and deformations of the maxillofacial region.

8.4. Free transplantation of skin, fat tissue, fascia of maxillofacial surgery

Types of autodermal grafts. Varieties of autodermal graft thickness, methods of their collection. Indications and contraindications for the use of individual types of autodermal grafts. Selection of a donor site for collection of split autodermal grafts. Methods of implementation, optimal timing of surgical treatment, possible complications, postoperative patient management.

Types of fat grafting in maxillofacial surgery. Lipofilling. Indications and contraindications, technique, complications, postoperative patient management. Facial fat graft transplantation. Indications and contraindications, technique, complications, postoperative patient management. Fascia transplantation. Indications and contraindications, technique, complications, postoperative patient management.

Study of the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with defects in the maxillofacial region.

8.5. Free cartilage and bone graft procedures in maxillofacial surgery

Types of cartilage transplants. Selection of donor site for collection of autologous cartilage transplants. Auto- and allotransplantation of supporting cartilage structures in maxillofacial surgery. Indications for surgical treatment, methods of implementation, optimal timing of surgical treatment, possible complications, postoperative patient management.

Types of bone transplants. Selection of donor site for collection of bone autografts. Auto- and allotransplantation of supporting bone structures in maxillofacial surgery. Indications for surgical treatment, methods of implementation, optimal timing of surgical treatment, possible complications, postoperative patient management.

Study of the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with defects in the maxillofacial region.

8.6. Surgical treatments for facial muscle paralysis

Etiology, pathogenesis, classification of facial nerve lesions. Surgical aspects of

facial nerve injury treatment. Timing and indications for surgical palliative operations for facial muscle paralysis. Postoperative rehabilitation of patients with facial muscle paralysis.

Study of the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with paralysis of facial muscles.

8.7. Surgical methods treatments of anomalies and deformations of lower jaw

Classification of anomalies and deformations of the lower jaw. Assessment of anthropometric data, planning of surgery. Operations on the frontal and horizontal segments of the lower jaw, on the branch of the lower jaw. Compact osteotomy on the lower jaw, contour plastic surgery of the lower jaw: indications, methods of implementation, optimal timing of surgical treatment, possible complications, postoperative patient management.

Study of the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with anomalies and deformations of the lower jaw. Interpretation of data from radiation diagnostic methods.

8.8. Surgical methods treatments anomalies and deformations in midface

Classification of anomalies and deformations of the upper jaw. Assessment of anthropometric data, planning of operations. Operations on the body of the upper jaw and alveolar process. Compactosteotomy on the upper jaw, operations for malunion of fractures of the upper jaw, zygomatic bone and arch, zygomatico-orbital complex, contour plastic surgery of the lower edge of the orbit: indications, methods of implementation, optimal timing of surgical treatment, possible complications, postoperative patient management.

Studying the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with anomalies and deformations of the midface.

9. Surgical preparation of oral cavity for prosthetics

9.1. Tooth-preserving surgery

Indications for tooth-preserving operations. Examination and planning of complex orthopedic -surgical treatment. Types of tooth-preserving operations.

Root apex resection: indications for this type of treatment. Preoperative preparation of the patient for surgical treatment. Stages of the surgical operation. Postoperative treatment of patients. Possible complications at all stages of treatment.

Tooth root amputation: indications for this type of treatment. Preoperative preparation of the patient for surgical treatment. Stages of the surgical operation. Postoperative treatment of patients. Possible complications at all stages of treatment.

Hemisection and amputation of the tooth root: indications for this type of treatment. Preoperative preparation of the patient for surgical treatment. Stages of the surgical operation. Postoperative treatment of patients. Possible complications at all stages of treatment.

Coronaroradicular separation: indications for this type of treatment. Preoperative preparation of the patient for surgical treatment. Stages of the surgical operation. Postoperative treatment of patients. Possible complications at all stages of treatment.

Replantation (odontoplasty) of a tooth: indications for this type of treatment. Preoperative preparation of the patient for surgical treatment. Stages of the surgical operation. Postoperative medical rehabilitation of patients. Possible complications at all stages of treatment.

Studying the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients referred for tooth-preserving operations.

9.2. Bone pre-prosthetic surgery

Indications for bone pre-prosthetic operations Examination and planning of complex orthopedic -surgical treatment of patients with disorders of the structure of the alveolar processes and upper jaw, alveolar part of the body and body of the lower jaw.

Formation of the bone ridge after tooth extraction. Stages of the surgical operation. Postoperative treatment of patients. Possible complications at all stages of treatment. Possibilities of preserving bone volume after tooth extraction. Formation of the alveolar ridge and the alveolar part of the body of the lower jaw during repeated removable prosthetics of patients.

Osteoplasty of the upper and lower jaws with pre-prosthetic preparation of patients (removal of osteophytes, palatine torus, increase in the height (augmentation) of the alveolar processes): indications for this type of treatment. Preoperative preparation of the patient for surgical treatment. Stages of surgical operations. Postoperative treatment of patients. Possible complications at the stages of treatment.

Studying the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients referred for pre-prosthetic bone surgeries.

9.3. Dental implantation: types of dental implants, indications, contraindications, patient examination

Indications and contraindications for dental implantation and selection of implant types. Examination of patients and planning of complex orthopedic -surgical treatment of the patient.

Types of dental implants. Preoperative preparation of the patient for surgical treatment. Features of dental implantation on the upper and lower jaws. Stages of surgical operations. Postoperative treatment of patients.

Studying the clinical protocols «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017), «Diagnostics and treatment of patients (adult population) with partial edentia» (№ 84 dated 08.10.2022), «Diagnostics and treatment of patients (adult population) with complete edentia» (№ 84 dated 08.10.2022).

Practical skills. Determination of the dental and general somatic status, conducting clinical examination methods in patients with partial secondary edentia and complete secondary edentia.

9.4. Dental implantation: methods of implementation, complications

Technical support for dental implantation. One-stage method of dental implantation. Two-stage method of dental implantation. Immediate dental implantation after tooth extraction. Complications during dental implantation, their causes and measures for their prevention. Early and late complications of dental implantation: causes, medical prevention and treatment.

Studying the clinical protocols «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 08.04.2017), «Diagnostics and treatment of patients (adult population) with partial edentia» (№ 84 dated 08.10.2022), «Diagnostics and treatment of patients (adult population) with complete edentia» (№ 84 dated 08.10.2022).

Practical skills. Determination of the dental and general somatic status, conducting clinical examination methods in patients with partial secondary edentia and complete secondary edentia.

10. Special questions of surgical dentistry and maxillofacial surgery

10.1. Types of wounds. Types of wound healing. Main factors affecting wound healing. Scars formation

Classification of wounds of the maxillofacial region. Methods of diagnostics of wounds of the maxillofacial region. Clinical manifestations of cut, punctured, bruised, bitten, chopped, lacerated, scalped wounds. Features of treatment of various types of wounds. Types of wound healing. Features of patient management depending on the type of wound healing. Phases of the wound healing process. Classification of scars. Stages of scar formation. Timing of final scar formation. Tactics of wound treatment during formation of hyperplastic, keloid scars.

Study of the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of of dental and general somatic status, conducting clinical examination methods in patients with wounds in the maxillofacial region.

10.2. Surgical methods treatment of diseases temporomandibular joint

Indications for surgical treatment of temporomandibular joint diseases. Preparatory stages of treatment of patients with temporomandibular joint pathology for surgical treatment. Open surgical operations on the temporomandibular joint. Description of surgical approaches to the temporomandibular joint. Methods of arthroplasty of the temporomandibular joint. Indications. Minimally invasive surgical methods of treatment of the temporomandibular joint: arthrocentesis, arthroscopy. Methodology. Indications. Possible complications. Rehabilitation of patients after surgical treatment of the temporomandibular joint.

Studying the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with diseases of the temporomandibular joint.

10.3. Differential diagnostics of salivary gland diseases

Classification, clinical picture, diagnostics of sialodenitis, sialosis, salivary stone disease, neoplasms and tumor-like diseases of the major salivary glands. Cysts, neoplasms of the minor salivary glands. Differential diagnostics of diseases of the salivary glands.

Studying the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with salivary gland diseases.

10.4. Facial pain

Classification, clinical picture, diagnostics of neuritis, neuralgia, neuropathy of the trigeminal nerve, glossopharyngeal nerve. Neuropraxia, axonotmesis, neurotmesis. Prognosis of restoration of the trigeminal nerve function when it is damaged. Differential diagnostics neuritis, neuralgia, neuropathy of the trigeminal and glossopharyngeal nerves. The role of a dentist, maxillofacial surgeon in the treatment and rehabilitation of patients with diseases of the trigeminal nerve, glossopharyngeal nerve.

Studying the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with diseases of the trigeminal nerve, glossopharyngeal nerve.

10.5. Gunshot wounds of maxillofacial region

Classification of gunshot wounds of the maxillofacial region. Mechanisms of the damaging effect of a projectile (bullet). Features of gunshot wounds. Zones of the wound channel. Periods of development of the wound process. Features of the course of gunshot wounds of soft tissue structures and bones of the maxillofacial region. Stages and features of providing assistance to patients with gunshot wounds of the maxillofacial region. Features of the treatment of gunshot wounds of the maxillofacial region. The concepts of first, pre-hospital, first medical aid, qualified medical care, specialized medical care and medical rehabilitation for patients with gunshot wounds of the maxillofacial region.

Using medications of different forms and dosages in accordance with the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with gunshot wounds to the maxillofacial region.

10.6. Differential diagnostics of abscesses and phlegmons maxillofacial region in upper jaw area

Topography of the cellular spaces of the infraorbital, zygomatic, buccal regions, orbit, pterygopalatine and temporal fossae, temporal region. Peculiarities of clinical manifestations, diagnostics of abscesses and phlegmons of the infraorbital, zygomatic, buccal regions, orbit, pterygopalatine and temporal fossae, temporal region. Differential diagnostics. Peculiarities of the spread of the purulent-inflammatory process through the cellular spaces. Possible complications of abscesses and phlegmons: phlebitis, thrombophlebitis of the facial veins, cerebral sinuses; sepsis.

Studying the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with abscesses and phlegmons of the maxillofacial region.

10.7. Differential diagnostics of maxillary sinus diseases

Classification of maxillary sinusitis. Odontogenic, rhinogenic, allergic, traumatic sinusitis: etiology, clinical picture, diagnostics, differential diagnostics. Methods of treatment of maxillary sinusitis. Features of treatment of patients with chronic odontogenic maxillary sinusitis, exacerbation of chronic maxillary sinusitis. Indications for surgical treatment of odontogenic maxillary sinusitis. Optimal timing of surgical treatment, possible complications. Postoperative medical rehabilitation of patients with maxillary sinusitis.

Studying the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with maxillary sinusitis.

10.8. Differential diagnostics of abscesses and phlegmons maxillofacial region in lower jaw region and neck

Topography of the cellular spaces of the parotid, submandibular, submental, sublingual, retromandibular regions, pterygomandibular and parapharyngeal spaces, mandibular-lingual groove, tongue. Jansoul-Ludwig angina. Features of clinical manifestations, diagnostics of abscesses and phlegmons of the parotid, submandibular, submental, sublingual, retromandibular regions, pterygomandibular and parapharyngeal spaces, mandibular-lingual groove, tongue, phlegmon of the floor of the mouth, Jansoul - Ludwig angina. Differential diagnostics. Features of the spread of purulent-inflammatory process through the cellular spaces. Possible complications of abscesses and phlegmons: mediastinitis.

Study of the clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» (№ 80 dated 04.08.2017).

Practical skills. Determination of dental and general somatic status, conducting clinical examination methods in patients with abscesses and phlegmons of the maxillofacial region. Registration of medical documents, including electronic ones.

ACADEMIC DISCIPLINE CURRICULAR CHART

Section, topic №	Section (topic) name	Number of hours		Practical skill	Forms of control	
		lectures	practical		of practical skills	of current / intermediate assessment
	7 semester					
	Lectures	**15**	**-**			
1.	Treatment of patients with abscesses and phlegmons maxillofacial region. Infections associated with the provision of medical care	1,5	-			
2.	Inflammatory and degenerative diseases of salivary glands	1,5	-			
3.	Salivary stone diseases	1,5	-			
4.	Arthropathies and arthritis of temporomandibular joint. Pain syndrome of dysfunction, internal disorders of the temporomandibular joint	1,5	-			
5.	Arthrosis and ankylosis of temporomandibular joint	1,5	-			
6.	Neurogenic diseases of maxillofacial areas	1,5	-			
7.	Damage of soft tissue structures maxillofacial region	1,5	-			
8.	Surgical treatment of soft tissue structures maxillofacial region. Medical prevention of tetanus, rabies	1,5	-			
9.	Planning dental implantation	1,5	-			
10.	Surgical stages of dental implantation	1,5	-			
	Practical lessons	**-**	**90**			
1.1.	Pathways of infection spread for odontogenic inflammatory processes of maxillofacial region	-	5	1. Determination of dental and general somatic status, conducting clinical	Performing practical skills at the dental chair or at the	Test, solving situational tasks, control quiz

				examination of a patients with abscesses and phlegmons. 2. Puncture of a purulent focus in the maxillofacial region. 3. Analysis of data from radiation examination methods of patients with abscesses and phlegmons of the maxillofacial region. 4. Analysis of laboratory examination data of patients	patient's bedside	
1.2.	Abscesses and phlegmons of the zygomatic, infraorbital and buccal regions	-	5	1. Determination of dental and general somatic status. Conducting clinical examination of patients with abscesses and phlegmons. 2. Puncture of a purulent focus in the maxillofacial region. 3. Analysis of data from radiation examination methods of patients with abscesses and phlegmons of the maxillofacial region. 4. Analysis of laboratory examination data of patients	Performing practical skills at the dental chair or at the patient's bedside	Test, solving situational tasks, control quiz
1.3.	Abscesses and phlegmons of temporal region, temporopterygoid (infratemporal) region	-	5	1. Determination of dental and general somatic status. Conducting clinical examination of patients with abscesses and phlegmons of the maxillofacial region. 2. Puncture of a purulent focus in the maxillofacial region. 3. Analysis of data from radiation examination	Performing practical skills at the dental chair or at the patient's bedside	Test, solving situational tasks, control quiz

				methods of patients with abscesses and phlegmons of the maxillofacial region. 4. Analysis of laboratory examination data of patients		
1.4.	Abscesses and phlegmons of pterygopalatine fossa, orbital region	-	5	1. Determination of dental and general somatic status. Conducting clinical examination of patients with abscesses and phlegmons. 2. Puncture of a purulent focus in the maxillofacial region. 3. Analysis of data from radiation examination methods of patients with abscesses and phlegmons of the maxillofacial region. 4. Analysis of laboratory examination data of patients	Performing practical skills at the dental chair or at the patient's bedside	Test, solving situational tasks, control quiz
1.5.	Abscesses and phlegmons of submandibular, mental, submental, parotid regions	-	5	1. Determination of dental and general somatic status. Conducting clinical examination of patients with abscesses and phlegmons. 2. Puncture of a purulent focus in the maxillofacial region. 3. Analysis of data from radiation examination methods of patients with abscesses and phlegmons of the maxillofacial region. 4. Analysis of laboratory examination data of patients	Performing practical skills at the dental chair or at the patient's bedside	Test, solving situational tasks, control quiz
1.6.	Abscesses and phlegmons of pterygomandibular region, retromandibular region, tongue	-	5	1. Determination of dental and general somatic status.	Performing practical skills at	Test, solving situational tasks,

				Conducting clinical examination of patients with abscesses and phlegmons. 2. Puncture of a purulent focus in the maxillofacial region. 3. Analysis of data from radiation examination methods of patients with abscesses and phlegmons of the maxillofacial region. 4. Analysis of laboratory examination data of patients	the dental chair or at the patient's bedside	control quiz
1.7.	Abscesses and phlegmons of retropharyngeal and peripharyngeal regions	-	5	1. Determination of dental and general somatic status. Conducting clinical examination of patients with abscesses and phlegmons. 2. Puncture of a purulent focus in the maxillofacial region. 3. Analysis of data from radiation examination methods of patients with abscesses and phlegmons of the maxillofacial region. 4. Analysis of laboratory examination data of patients	Performing practical skills at the dental chair or at the patient's bedside	Test, solving situational tasks, control quiz
1.8.	Phlegmon of mouth floor. Putrefactive-necrotic phlegmon of face and neck	-	5	1. Determination of dental and general somatic status. Conducting clinical examination of patients with abscesses and phlegmons. 2. Puncture of a purulent focus in the maxillofacial region. 3. Analysis of data from radiation examination	Performing practical skills at the dental chair or at the patient's bedside	Test, solving situational tasks, control quiz

				methods of patients with abscesses and phlegmons of the maxillofacial region. 4. Analysis of laboratory examination data of patients. 5. Use of medicines of different forms and dosages in accordance with the clinical protocol		
1.9.	Treatment principles of inflammatory disease maxillofacial region	-	5	1. Select the location of the incision for primary surgical treatment of a purulent focus. 2. Perform infiltration anesthesia to perform primary surgical treatment of the purulent focus. 3. Bandage of a patient with a purulent-inflammatory process in the maxillofacial region	Performing practical skills at the dental chair or at the patient's bedside*	Test, solving situational tasks, control quiz, essay
2.1.	Inflammatory diseases of salivary glands	-	5	1. Determination of dental and general somatic status. Conducting clinical examination of the maxillofacial region. 2. Collection anamnesis of disease. 3. Probing of the salivary gland duct. 4. Bougienage of the salivary gland duct	Performing practical skills at the dental chair or at the patient's bedside	Test, solving situational tasks, control quiz
2.2.	Dystrophic diseases of salivary glands	-	5	1. Determination of dental and general somatic status. Conducting clinical examination of patients with	Performing practical skills at the dental chair or at the patient's	Test, solving situational tasks, control quiz

				salivary gland diseases. 2. Probing of the salivary gland duct. 3. Bougienage of the salivary gland duct	bedside	
2.3.	Salivary stone disease	-	5	1. Determination of dental and general somatic status. Conducting clinical examination of patients with salivary gland diseases. 2. Probing of the salivary gland duct. 3. Bougienage of the salivary gland duct	Performing practical skills at the dental chair or at the patient's bedside	Test, solving situational tasks, control quiz *
3.1.	Arthropathies and arthritis of temporomandibular joint. Pain syndrome of dysfunction, internal disorders of temporomandibular joint	-	5	Analysis of data from radiation examination methods	Solving situational tasks	Test, control quiz
3.2.	Arthrosis and ankylosis of temporomandibular joint	-	5	Analysis of data from radiation examination methods	Solving situational tasks	Test, solving situational tasks, control quiz
3.3.	Extra-articular lesions of temporomandibular joint. Dislocations of lower jaw	-	5	Analysis of data from radiation examination methods	Solving situational tasks	Test, solving situational tasks, control quiz
4.1.	Trigeminal neuralgia and neuropathy	-	5			Test, solving situational tasks, control quiz
4.2.	Facial pain syndromes	-	5			Test, solving situational tasks, control quiz
4.3.	Facial nerve neuropathies	-	5			Test, solving situational tasks, control quiz. Credit

	8 semester					
	Lectures	**9**	-			
1.	Dislocations and fractures of teeth. Fractures of alveolar process the upper jaw and alveolar part the lower jaw	1,5	-			
2.	Fractures of lower jaw. Fractures of upper jaw	1,5	-			
3.	Medical rehabilitation of patients with facial skull fractures	1,5	-			
4.	Differential diagnostics of fractures of midface. Polytrauma. Combined trauma of maxillofacial region	1,5	-	-	-	
5	Local and general complications of traumatic injuries of maxillofacial region	1,5	-	-	-	
6.	Burns and frostbite of maxillofacial region	1,5	-			
	Practical lessons	-	**78**			
5.1.	Classification of traumatic injuries of maxillofacial region. Damage of soft tissue structures of maxillofacial region	-	6	Application of bandage (desmurgy) - figure-of-eight bandage on the head, «Hippocratic cap», «bonnet», «Neopolitan» bandage, bandage on one/two eyes, «bridle» bandage on the mental area, bandage on the parotid area, bandage in the maxillofacial area with patch fixation	Performing practical skills on simulation equipment	Test, solving situational tasks, control quiz
5.2.	Surgical treatment of soft tissue structures trauma of maxillofacial region. Medical prevention of tetanus, rabies	-	6	1. Ligation of the vessel on the model. 2. Application of a simple interrupted suture, a mattress suture, a continuous mattress suture, an intradermal suture on artificial skin	Performing practical skills on simulation equipment	Test, solving situational tasks, control quiz
5.3.	Traumatic dental injuries. Fractures of alveolar process the maxilla and alveolar part the mandible	-	6	1. Analysis of data from radiation examination	Performing practical skills on	Test, solving situational tasks,

				methods. 2. Carrying out simple ligature tying of teeth, tying of teeth according to Ivy. 3. Making and fixing a smooth splint-bracket on the model	simulation equipment	control quiz
5.4.	Fractures of lower jaw	-	6	1. Analysis of data from radiation examination methods. 2. Carrying out simple ligature tying of teeth, tying of teeth according to Ivy. 3. Making and fixing a smooth splint-bracket on the model. 4. Application of bandages	Performing practical skills on simulation equipment	Test, solving situational tasks, control quiz
5.5.	Fractures of upper jaw	-	6	1. Analysis of data from radiation examination methods. 2. Carrying out simple ligature tying of teeth, tying of teeth according to Ivy. Making and fixing a smooth splint-bracket on the model. 3. Application of bandages	Performing practical skills on simulation equipment	Test, solving situational tasks, control quiz
5.6.	Treatment of lower and upper jaws fractures. Medical rehabilitation of patients with jaws fractures	-	6	1. Analysis of data from radiation examination methods. 2. Making of individual wire splints according to Tigirstedt, smooth splints, splints with spacer bends. 3.Fixation of splints on jaw models. 4. Use of medicines of different forms and dosages in	Performing a practical skill on simulation equipment*	Test, solving situational tasks, control quiz

				accordance with the clinical protocol		
5.7.	Fractures of zygomatic-orbital complex, zygomatic bone and zygomatic arch	-	6	1. Analysis of data from radiation examination methods. 2. Reduction of the zygomatic bone/arch/ zygomatico-orbital complex with Limberg hook on the model	Performing practical skills on simulation equipment	Test, solving situational tasks, control quiz
5.8.	Polytrauma. Combined trauma of maxillofacial region	-	6	1. Analysis of data from radiation examination methods. 2. Performing conicotomy. 3. Provision of emergency medical care (urgent)	Performing practical skills on simulation equipment	Test, solving situational tasks, control quiz *
5.9.	Complications of traumatic injuries of maxillofacial region	-	6	1. Analysis of data from radiation examination methods. 2. Performing conicotomy. 3. Application of a simple interrupted suture, a mattress suture, a continuous mattress suture, an intradermal suture on artificial skin. 4. Provision of emergency medical care (urgent)	Performing practical skills on simulation equipment	Test, solving situational tasks, control quiz, abstract
5.10.	Burns of maxillofacial region. Frostbite of maxillofacial region	-	6	1. Application of bandages. 2. Provision of emergency medical care (urgent)	Performing practical skills on simulation equipment	Test, solving situational tasks, control quiz
6.	**Dental implantation**	**-**	**18**			
6.1.	Indications and contraindications for dental implantation. Planning dental implantation	-	6	Analysis of data from radiation examination methods	Solving situational tasks	Test, solving situational tasks, control quiz
6.2.	Surgical stages of dental implantation	-	6	1. Analysis of data from	Performing	Test, solving

				radiation examination methods. 2. Implant installation	practical skills on simulation equipment	situational tasks, control quiz *
6.3.	Complications of dental implantation	-	6	1. Analysis of data from radiation examination methods. 2. Implant installation	Performing practical skills on simulation equipment	Test, solving situational tasks, control quiz
						Exam
	9 semester					
	Practical lessons	**-**	**112**			
7.1.	Organization of oncological medical care in the Republic of Belarus. Examination of patients with neoplasms of maxillofacial region	-	7	1. Determination of dental and general somatic status. Conducting clinical examination. 2. Preparation of medical documents, including electronic ones	1. Performing practical skills at the dental chair or at the patient's bedside 2. Solving situational tasks	Test, solving situational tasks, control quiz
7.2.	Medical examination of patients with tumors of maxillofacial region. Dental care for patients with oncological diseases	-	7	1. Determination of dental and general somatic status. Conducting clinical examination. 2. Preparation of medical documents, including electronic ones	1. Performing practical skills at the dental chair or at the patient's bedside 2. Solving situational tasks	Test, solving situational tasks, control quiz
7.3.	Precancerous diseases of maxillofacial region	-	7	1. Determination of dental and general somatic status. Conducting clinical examination. 2. Obtaining biological material for histological examination by excisional biopsy	1. Performing practical skills at the dental chair or at the patient's bedside 2.Performing practical skills on simulation equipment	Test, solving situational tasks, control quiz
7.4.	Malignant tumors the skin of face. Metastasis of	-	7	1. Determination of dental and	1. Performing	Test, solving

	malignant tumor of maxillofacial region			general somatic status. Conducting clinical examination. 2. Obtaining biological material for histological examination by incisional biopsy	practical skills at the dental chair or at the patient's bedside 2.Performing practical skills on simulation equipment	situational tasks, control quiz
7.5.	Malignant tumor of oral mucosa and lips	-	7	1. Determination of dental and general somatic status. Conducting methods of clinical examination. 2. Obtaining biological material for cytological examination by scraping, washing, and performing a puncture	1. Performing practical skills at the dental chair or at the patient's bedside 2.Performing practical skills on simulation equipment*	Test, solving situational tasks, control quiz
7.6.	Malignant tumor of facial bones	-	7	1. Determination of dental and general somatic status. Conducting methods of clinical examination. 2. Obtaining biological material for histological examination by trepan biopsy	1. Performing practical skills at the dental chair or at the patient's bedside 2.Performing practical skills on simulation equipment	Test, solving situational tasks, control quiz
7.7.	Treatment principles of malignant tumor in the maxillofacial region. Surgery on lymphatic system of neck	-	7	1.Determination of dental and general somatic status. Conducting methods of clinical examination. 2. Use of medicines of different forms and dosages in accordance with the clinical protocol	Performing practical skills at the dental chair or at the patient's bedside	Test, solving situational tasks, control quiz
7.8.	Post-radiation osteonecrosis of jaws	-	7	1.Determination of dental and	Performing	Test, solving

	(osteoradionecrosis). Bisphosphonate osteonecrosis of jaws			general somatic status. Conducting methods of clinical examination	practical skills at the dental chair or at the patient's bedside*	situational tasks, control quiz
7.9.	Tumor-like diseases of facial bones	-	7	Determination of dental and general somatic status. Conducting methods of clinical examination	Performing practical skills at the dental chair or at the patient's bedside	Test, solving situational tasks, control quiz
7.10.	Benign tumors and tumor-like diseases of soft tissue structures of maxillofacial region	-	7	1. Determination dental and general somatic status. Conducting methods of clinical examination. 2. Obtaining biological material for histological examination by excisional biopsy	1. Performing practical skills at the dental chair or at the patient's bedside 2.Performing practical skills on simulation equipment	Test, solving situational tasks, control quiz
7.11.	Odontogenic tumors of jaws	-	7	Obtaining biological material for histological examination by trepan biopsy	Performing practical skills on simulation equipment	Test, solving situational tasks, control quiz *
7.12.	Osteogenic tumors of jaws	-	7	Obtaining biological material for histological examination by trepan biopsy	Performing practical skills on simulation equipment	Test, solving situational tasks, control quiz
7.13.	Non-osteogenic tumors of jaws	-	7	Obtaining biological material for histological examination by trepan biopsy	Performing practical skills on simulation equipment	Test, solving situational tasks, control quiz
7.14.	Differential diagnostics of jaw cysts	-	7	Obtaining biological material for histological examination by trepan biopsy	Performing practical skills on simulation equipment	Test, solving situational tasks, control quiz *
7.15.	Vascular neoplasms, angiovenous malformations of	-	7	Analysis of data from	Solving situational	Test, solving

	maxillofacial region			radiation examination methods of patients with abscesses and phlegmons of the maxillofacial region	tasks	situational tasks, control quiz
7.16.	Salivary gland tumors	-	7	1.Probing of the salivary gland duct. 2.Bougienage of the salivary gland duct	Performing practical skills on simulation equipment	Test, solving situational tasks, control quiz. Credit
	10 semester					
	Lectures	**9**	-			
1.	Modern treatment principles of malignant neoplasms	1,5	-			
2.	Planning of reconstructive surgery in maxillofacial region. Plastic replacement of defects and deformations of maxillofacial region with local tissues, flaps on a feeding stalk	1,5	-			
3.	Free transplantation of skin, fat, fascia, cartilage, bone in maxillofacial surgery	1,5	-			
4.	Surgical treatment methods of anomalies and deformations of upper and lower jaws	1,5	-			
5.	Dental implantation	1,5				
6.	Differential diagnostics of neoplasms of salivary glands	1,5	-			
	Practical lessons	**-**	**140**			
8.1.	Planning of plastic surgery of maxillofacial area. Indications and contraindications for plastic reconstructive and aesthetic surgery	-	7	Replacement of the defect by forming and moving triangular flaps according to Limberg on artificial skin	Performing practical skills on simulation equipment	Test, solving situational tasks, control quiz.
8.2.	Plastic replacement of defects and deformations of maxillofacial region with local structures	-	7	Replacement of the defect by forming and moving triangular flaps according to Limberg on artificial skin	Performing practical skills on simulation equipment	Test, solving situational tasks, control quiz.
8.3.	Plastic replacement of defects and deformations of maxillofacial region with flaps with vessels	-	7	Replacement of the defect by forming and moving	Performing practical skills on	Test, solving situational tasks,

				triangular flaps according to Limberg on artificial skin	simulation equipment	control quiz.
8.4.	Free transplantation of skin, fat tissue, fascia of maxillofacial surgery	-	7	Replacement of the defect by forming and moving triangular flaps according to Limberg on artificial skin	Performing practical skills on simulation equipment	Test, solving situational tasks, control quiz.
8.5.	Free cartilage and bone graft procedures in maxillofacial surgery	-	7	Replacement of the defect by forming and moving triangular flaps according to Limberg on artificial skin	Performing practical skills on simulation equipment	Test, solving situational tasks, control quiz.
8.6.	Surgical treatments for facial muscle paralysis	-	7	Replacement of the defect by forming and moving triangular flaps according to Limberg on artificial skin	Performing practical skills on simulation equipment	Test, solving situational tasks, control quiz.
8.7.	Surgical methods treatments of anomalies and deformations of lower jaw	-	7	Application of bandage (desmurgy) - figure-of-eight bandage on the head, «Hippocratic cap», «bonnet», «Neopolitan» bandage, bandage on one/two eyes, «bridle» bandage on the mental area, bandage on the parotid area, bandage in the maxillofacial area with patch fixation	Performing practical skills at the dental chair or at the patient's bedside*	Test, solving situational tasks, control quiz *
8.8.	Surgical methods treatments anomalies and deformations in midface	-	7	Application of bandage (desmurgy) - figure-of-eight bandage on the head, «Hippocratic cap», «bonnet», «Neopolitan» bandage, bandage on one/two eyes, «bridle» bandage on the mental area, bandage on the parotid area, bandage in the maxillofacial area with patch	Performing practical skills at the dental chair or at the patient's bedside	Test, solving situational tasks, control quiz

				fixation		
9.1.	Tooth-preserving surgery	-	7	Application of simple interrupted suture, mattress suture, continuous mattress suture, intradermal suture on artificial skin	Performing practical skills on simulation equipment	Test, solving situational tasks, control quiz
9.2.	Bone pre-prosthetic surgery	-	7	Application of simple interrupted suture, mattress suture, continuous mattress suture, intradermal suture on artificial skin	Performing a practical skill on simulation equipment*	Test, solving situational tasks, control quiz
9.3.	Dental implantation: types of dental implants, indications, contraindications, patient examination	-	7	Installation of an implant on simulation equipment	Performing practical skills on simulation equipment	Test, solving situational tasks, control quiz
9.4.	Dental implantation: methods of implementation, complications	-	7	Installation of an implant on simulation equipment	Performing practical skills on simulation equipment	Test, solving situational tasks, control quiz
10.1.	Types of wounds. Types of wound healing. Main factors affecting wound healing. Scars formation	-	7	1.Carrying out ligation of a vessel on a model. 2. Application of simple interrupted suture, mattress suture, continuous mattress suture, intradermal suture on artificial skin	Performing practical skills on simulation equipment	Test, solving situational tasks, control quiz
10.2.	Surgical methods treatment of diseases temporomandibular joint	-	7	Conducting methods of clinical examination, auscultation of the temporomandibular joint	Performing practical skills at the dental chair or at the patient's bedside	Test, solving situational tasks, control quiz
10.3.	Differential diagnostics of salivary gland diseases	-	7	1. Probing of the salivary gland duct. 2. Perform bougienage of the salivary gland duct	Performing practical skills on simulation equipment	Test, solving situational tasks, control quiz

10.4.	Facial pain	-	7	Determination of trigger zones in patients with trigeminal nerve diseases	Performing practical skills at the dental chair or at the patient's bedside	Test, solving situational tasks, control quiz
10.5.	Gunshot wounds of maxillofacial region	-	7	1. Carrying out ligation of a vessel on a model. 2. Application of simple interrupted suture, mattress suture, continuous mattress suture, intradermal suture on artificial skin. 3. Use of medicines of different forms and dosages in accordance with the clinical protocol	Performing practical skills on simulation equipment	Test, solving situational tasks, control quiz
10.6.	Differential diagnostics of abscesses and phlegmons maxillofacial region in upper jaw region	-	7	1. Analysis of data from radiation examination methods of patients with abscesses and phlegmons of the maxillofacial region. 2. Analysis of laboratory examination data of patients	Solving situational tasks	Test, solving situational tasks, control quiz *
10.7.	Differential diagnostics of maxillary sinuses diseases	-	7	Puncture of the maxillary sinus	Performing practical skills on simulation equipment	Test, solving situational tasks, control quiz
10.8.	Differential diagnostics of abscesses and phlegmons maxillofacial region in lower jaw region and neck	-	7	1. Analysis of data from radiation examination methods of patients with abscesses and phlegmons of the maxillofacial region. 2. Analysis of laboratory examination data of patients.	Solving situational tasks	Test, solving situational tasks, control quiz *. Credit

				3. Preparation of medical documents, including electronic ones		
	Total hours	**33**	**420**			

INFORMATION AND INSTRUCTIONAL UNIT

LITERATURE

Basic:

1. Oral and maxillofacial surgery : textbook / Ed. by prof. V. Malanchuk/ part. 1. – 2nd ed. – Vinnytsia : Nova Knyha, 2018. – 440 p.
2. Oral and maxillofacial surgery : textbook / Ed. by prof. V. Malanchuk/ part. 2. – 2nd ed. – Vinnytsia : Nova Knyha, 2018. – 440 p.

Additional:

3. Boyarina, I. A. Dislocations and fractures of teeth : teaching aid / I. A. Boyarina, A. I. Nikolaeva-Kiselevich. – Minsk : BSMU, 2019. – 12 p.
4. Gurbanov, T. Pre-prosthetic jaw bone surgery : teaching aid / T. Gurbanov. – Minsk : BSMU, 2021. – 24 p.
5. Kachalov, S.N. Abscesses and phlegmon in admaxillary tissues of the upper jaw : teaching aid / S. N. Kachalov. – Minsk : BSMU, 2019. – 32 p.
6. Kachalov, S. N. Maxillo-facial reconstructive surgery by using tissue transplantation : teaching aid / S. N. Kachalov, L. I. Tesevich, A. V. Glinnik – Minsk : BSMU, 2019. – 44 p.
7. Lenkova, I. I. Differential diagnosis of jaw cysts : teaching aid / I. I. Lenkova, S. N. Kachalov. – Minsk : BSMU, 2020. – 20 p.
8. Lenkova, I. I. Differential diagnosis of benign tumors of the neck : teaching aid / I. I. Lenkova, S. N. Kachalov. – Minsk : BSMU, 2018. – 23 p.
9. Lenkova, I. I. Benign non-odontogenic tumors of maxillofacial bones : teaching aid / I. I. Lenkova, I. V. Dudareva-Pugach. – BSMU, 2019. – 18 p.
10. Nikolaeva-Kiselevich, A. I. Local flaps In maxillofacial reconstruction : teaching aid / A.I. Nikolaeva-Kiselevich, I.A. Boyarina. –Minsk : BSMU, 2019. – 16 p.
11. Pavlov, O. M. Dental implantation : teaching aid / O. M. Pavlov, F. A. Gorbachev. – Minsk : BSMU, 2019. – 20 p.
12. Pavlov, O. M. Fractures of zygomatic bone, zygomatic-orbital and zygomatic-maxillarycomplexes / O. M. Pavlov, A. V. Glinnik, F. A. Gorbachev. – Minsk : BSMU, 2018. – 31 p.
13. Cherchenko, N. N. Local complications of injuries of maxillofacial area : teaching aid / N. N. Cherchenko, E. A. Labonarskaya. – Minsk : BSMU, 2021. – 23 p.

Normative regulatory acts:

14. Clinical protocol «Diagnostics and treatment of patients with diseases of the maxillofacial region» : Resolution of Ministry Health the Republic of Belarus dated 04.08.2017 № 80.
15. Clinical protocol «Diagnostics and treatment of patients (adult population) with partial edentia» : Resolution of Ministry Health the Republic of Belarus dated 10.08.2022 № 84.
16. Clinical protocol «Diagnostics and treatment of patients (adult population) with complete edentia» : Resolution of Ministry Health the Republic of Belarus dated 10.08.2022 № 84.

METHODOLOGICAL RECOMMENDATIONS FOR THE ORGANIZATION AND PERFORMANCE OF STUDENT INDEPENDENT WORK IN THE ACADEMIC DISCIPLINE

The time allocated for independent work can be used by students for:
preparation for lectures, practical classes;
preparation for credits and exams in an academic discipline;
performing practical tasks;
solving situational tasks;
taking notes of educational and scientific literature;
studying scientific articles;
compilation of a thematic selection of literary sources and Internet sources;
taking electronic tests.

LIST OF AVAILABLE DIAGNOSTIC TOOLS

The following forms are used for competence assessment:
control quiz;
test;
solving situational tasks;
electronic test.

LIST OF AVAILABLE TEACHING METHODS

Traditional method;
active (interactive) methods:
training based on simulation technologies;
Problem - Based Learning (PBL);
Team - Based Learning (TBL);
Case - Based Learning (CBL).

LIST OF PRACTICAL SKILLS

Name of practical skill	Form of practical skills control
1. Conducting methods of clinical examination	Performing practical skills at the dental chair or at the patient's bedside
2. Determination of dental and general somatic status	Performing practical skills at the dental chair or at the patient's bedside
3. Collection anamnesis of disease	Performing practical skills at the dental chair or at the patient's bedside
4. Puncture of a purulent focus in the maxillofacial region	Performing practical skills at the dental chair or at the patient's bedside
5. Select the location of the incision for primary surgical treatment of a purulent focus	Performing practical skills at the dental chair or at the patient's bedside

6. Conducting infiltration anesthesia for primary surgical treatment of a purulent focus.	Performing practical skills at the dental chair or at the patient's bedside
7. Bandage of a patient with a purulent-inflammatory process in the maxillofacial region	Performing practical skills at the dental chair or at the patient's bedside
8. Obtaining biological material for histological examination	Performing practical skills on simulation equipment
9. Obtaining biological material for cytological examination	Performing practical skills on simulation equipment
10. Analysis of data from radiation examination methods	Solving situational tasks
11. Probing of the salivary gland duct	Performing practical skills on simulation equipment
12. Bougienage of the salivary gland duct	Performing practical skills on simulation equipment
13. Replacement of the defect by forming and moving triangular flaps according to Limber on artificial skin	Performing practical skills on simulation equipment
14. Application of bandages	Performing practical skills at the dental chair or at the patient's bedside
15. Implant installation	Performing practical skills on simulation equipment
16. Carrying out ligation of a vessel on a model	Performing practical skills on simulation equipment
17. Auscultation of the temporomandibular joint	Performing practical skills at the dental chair or at the patient's bedside
18. Determination of trigger zones in patients with trigeminal nerve diseases	Performing practical skills at the dental chair or at the patient's bedside
19. Application of a simple interrupted suture	Performing practical skills on simulation equipment
20. Application of the mattress suture	Performing practical skills on simulation equipment
21. Application of a continuous mattress suture	Performing practical skills on simulation equipment
22. Application of intradermal suture on artificial skin	Performing practical skills on simulation equipment
23. Analysis of laboratory examination data of patients	Performing practical skills on simulation equipment
24. Puncture of the maxillary sinus	Performing practical skills on simulation equipment
25. Carrying out simple ligature tying of teeth, tying of teeth according to Ivy.	Performing practical skills on simulation equipment
26. Making and fixing a smooth splint-bracket on the model	Performing practical skills on simulation equipment

27. Making of individual wire splints according to Tigirstedt	Performing practical skills on simulation equipment
28. Making and fixing a smooth splint-bracket on the model	Performing practical skills on simulation equipment
29. Fixation of splints on jaw models	Performing practical skills on simulation equipment
30. Reduction of the zygomatic bone/arch/ zygomatico-orbital complex with Limberg hook on the model	Performing practical skills on simulation equipment
31. Performing conicotomy	Performing practical skills on simulation equipment
32. Use of medicines of different forms and dosages in accordance with the clinical protocol	Solving a situational problem
33. Provision of emergency medical care (urgent)	Performing practical skills on simulation equipment
34. Preparation of medical documents, including electronic ones	Solving a situational problem

LIST OF PASSPORTS (APPROXIMATE) OF EXAM STATIONS OF THE MANDATORY STRUCTURED CLINICAL EXAM USED FOR CONDUCTING THE CERTIFICATION OF STUDENTS

1. «Basic principles and techniques of suturing in the maxillofacial area» in the academic discipline «Maxillofacial surgery and surgical dentistry» for the specialty 1-79 01 07 «Dentistry».

2. «Conducting a conicotomy» in the academic discipline «Maxillofacial surgery and surgical dentistry» for the specialty 1-79 01 07 «Dentistry».

LIST OF EQUIPMENT USED (INCLUDING SIMULATION)

1. Models of jaws, skulls.
2. Instruments for primary surgical treatment of purulent focus.
3. Instruments and materials for suturing, ligation of vessels.
4. Instruments and materials for ligature binding of teeth on jaw models.
5. Instruments and materials for making individual smooth splints, Tigerstedt splints and fixing them on jaw models.
6. Instruments for osteosynthesis surgery.
7. Instruments for closed reposition of the zygomatic bone with a Limberg hook.
8. Conicotomy simulator.
9. Simulation equipment for installing a dental implant, a set of instruments for installing a dental implant, dummies of dental implants.

PROTOCOL OF THE CURRICULUM APPROVAL BY OTHER DEPARTMENTS

Title of the discipline requiring approval	Department	Amendments to the curriculum in the academic discipline	Decision of the department, which designed the curriculum (date, protocol №)
1.Pediatric Maxillofacial Surgery	Maxillofacial Surgery and Facial Plastic Surgery	Agreed	Protocol № 23 of 29.04.2024
2.Oral Mucology	Conservative Dentistry	Agreed	Protocol № 23 of 29.04.2024

COMPILERS:

Associate Professor of the Department of Maxillofacial Surgery and Facial Plastic Surgery of the educational institution «Belarusian State Medical University», Ph.D., Associate Professor — A.V.Glinnik

Associate Professor of the Department of Maxillofacial Surgery and Facial Plastic Surgery of the educational institution «Belarusian State Medical University», Ph.D., Associate Professor — O.M.Pavlov

Senior Lecturer of the Department of Maxillofacial Surgery and Facial Plastic Surgery of the educational institution «Belarusian State Medical University» — A.N.Velitchenko

Head of the Department of Maxillofacial Surgery and Facial Plastic Surgery of the educational institution «Belarusian State Medical University», Ph.D., Associate Professor — D.A.Hrychaniuk

Curriculum content, composition and the accompanying documents comply with the established requirements.

Dean of the Medical Faculty for International Students of the educational institution «Belarusian State Medical University» — O.S.Ishutin

24.06.2024

Methodologist of the Educational and Methodological Department of the Office of Educational Activities of the educational institution «Belarusian State Medical University» — S.V.Zaturanova

24.06.2024