

**ДЕРЖАВНИЙ ВИЩИЙ НАВЧАЛЬНИЙ ЗАКЛАД  
«УЖГОРОДСЬКИЙ НАЦІОНАЛЬНИЙ УНІВЕРСИТЕТ»  
СТОМАТОЛОГІЧНИЙ ФАКУЛЬТЕТ  
КАФЕДРА ХІРУРГІЧНОЇ СТОМАТОЛОГІЇ, ЩЕЛЕПНО-ЛИЦЕВОЇ  
ХІРУРГІЇ ТА ОНКСТОМАТОЛОГІЇ**

**“ЗАТВЕРДЖУЮ”**

Декан стоматологічного факультету  
д.мед.н., проф. Костенко Є.Я.

“ \_\_\_\_\_ 20\_\_ року

**РОБОЧА ПРОГРАМА НАВЧАЛЬНОЇ ДИСЦИПЛІНИ**

**Хірургічна стоматологія**

рівень вищої освіти \_\_\_\_\_ Освітньо-науковий \_\_\_\_\_  
галузь знань \_\_\_\_\_ 22 «Охорона здоров'я» \_\_\_\_\_  
спеціальність \_\_\_\_\_ 7.12010005 «Стоматологія» \_\_\_\_\_  
предметна спеціальність \_\_\_\_\_ «Хірургічна стоматологія» \_\_\_\_\_  
спеціалізація \_\_\_\_\_ «Хірургічна стоматологія» \_\_\_\_\_  
освітня програма \_\_\_\_\_ 7. 12010005 «Стоматологія» \_\_\_\_\_  
статус дисципліни \_\_\_\_\_ Обов'язкова \_\_\_\_\_  
мова навчання \_\_\_\_\_ Українська \_\_\_\_\_

Ужгород – 2021 рік

Робоча програма навчальної дисципліни «Хірургічна стоматологія» для здобувачів вищої освіти галузі знань «Охорона здоров'я» спеціальності 7.12010005 «Стоматологія» предметної спеціальності 7.12010005 «Стоматологія» спеціалізації «Хірургічна стоматологія» освітньої програми «Стоматологія».

Розробники: зав.кафедрою хірургічної стоматології, ЩЛХ та онкостоматології к.м.н., доц., Брехлічук П.П., д.м.н., проф. Мочалов Ю. О., к.м.н., доц., Гелей В. М., ст. викладач Петрецька С. Ю.

Робоча програма затверджена на засіданні кафедри хірургічної стоматології, ЩЛХ та онкостоматології

Протокол від «23» червня 2021 року № 10

В.о. завідувача кафедри Гелей В.М. к.мед.н., доц. Гелей В.М.

Схвалено науково-методичною комісією стоматологічного факультету

протокол № 10 від «23» червня 2021 р.

Голова науково-методичної комісії \_\_\_\_\_ д.мед.н., проф. Клітинська О.В.

## 1. DESCRIPTION OF THE COURSE

Name Indicators	Branch of knowledge, specialty, subject specialty (specialization), educational program, educational level	Characteristic training discipline	
Number of credits - IX semester - 5 X semester - 5	Educational level: Educational and scientific  Branch of knowledge: 22 "Health"  Specialty: 7.221 _ "Dentistry"  Subject specialty "7.12010005 Surgical dentistry"  Educational program: 7.221 "Dentistry"	Full-time learning	Correspondence form learning
Number of modules - 2		Discipline status	
Content modules - 2		Obligatory	
The total number of hours is - 200		Year of preparation:	
Weekly hours: for full-time study:  classroom -  independent work -		2021	2022
		Semester:	
		IX	X
		Lectures:	
		20	20
		Practical (seminar):	
		100	60
		Laboratory:	
		-	-
		Individual work:	
	-	-	
	Type of control:		
	1. Diff credit 2. Exam		
	Form of control:		
	1. oral examination 2. oral examination		

## 2. PURPOSE OF THE COURSE

The purpose and tasks are to prepare a dentist to provide planned and emergency care for diseases of the face and jaws, to provide emergency care for emergencies and in lesions.

### As a result of studying the discipline the student must know:

- anatomical and physiological, age and sex characteristics of healthy and sick human body, the relationship of functional systems of the body and the level of their regulation; causes of pathological processes in the body, the mechanism of their development and clinical manifestations, clinical and laboratory symptoms of diseases and their syndromes;

- principles of examination of patients by a dentist; the importance of special and auxiliary research methods for the differential diagnosis of dental diseases; X-ray semiotics of diseases of teeth and periodontal tissues; methods of anesthesia and resuscitation in a dental clinic; indications and contraindications to outpatient dental operations;

clinic and treatment of injuries of teeth and jaws, as well as gunshot, thermal, chemical, radiation and combined injuries of the face, mouth and neck.

- modern ideas about the biological essence of the tumor; their clinical features, prevention, diagnosis and principles of treatment; tasks of the dentist in the system of organization of antitumor service; the principle of oncological vigilance and the method of medical examination of dental patients;

**Be able** to examine the maxillofacial area, including:

- examination of the soft tissues of the face, temporomandibular joint, salivary glands of the regional lymphatic system, sounding of teeth, fistulas and ducts of the salivary glands;

- carrying out a diagnostic puncture;

- analysis of survey, panoramic, sighting detailed contrast radiographs, teleradiograms, tomograms, myograms;

- provide emergency medical care in case of loss of consciousness, collapse, shock, coma, acute heart and respiratory failure, stroke, epileptic seizure, allergic reactions;

- perform local (infiltration conduction) anesthesia, novocaine blockade and determine the indications for general anesthesia during dental interventions;

- remove cystic formations and small benign tumors on the oral mucosa;

- stop bleeding in the wound and ligation of blood vessels and arteries;

- management of dislocation of the temporomandibular joint;

- perform reposition of teeth and fragments of jaw bones, as well as immobilization;

- to conduct preventive examinations of the population in order to identify patients in need of dental treatment;

- to carry out medical examination and to appoint physiotherapeutic procedures in the course of treatment (in the postoperative period): to lead patients in the postoperative period, providing food and care of them;

- detect comorbidities by general examination of patients (examination, percussion, palpation, auscultation, laboratory and instrumental research methods);

- establish the primary (preliminary) diagnosis based on the analysis of the results and determine the indications for dental interventions;

- to carry out resuscitation measures in the conditions of dental clinic;

- to determine the working capacity of persons with diseases, injuries and injuries of the maxillofacial area, to draw up sick leaves, various medical and financial reporting documentation.

## 3. PREREQUISITES FOR STUDYING THE COURSE

List of disciplines:

1. Propaedeutics of surgical dentistry.

2. Surgical dentistry 4th year

## 4.EXPECTED LEARNING RESULTS

According to the educational program "Dentistry", the study of the discipline should ensure the achievement of higher education students the following program learning results (PRN):

Програмні результати навчання	Шифр ПРН
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Students should know the differential diagnosis of osteoarthritis, arthritis and ankylosis.	PRN1
Students should know the principles of planning local plastic surgery in the maxillofacial area.	PRN2
Students should know the indications for the replacement of tissue and organs in the maxillofacial area with Filatov's stem.	PRN3
Students should know facial skin defects, methods of closing them with a free flap.	PRN4
Students should be familiar with osteogenic and osteoinductive therapy.	PRN5
Students must know the principles and methods of implantation of artificial structures.	PRN6
Know the deformities, defects of the lower jaw.	PRN7
Know the deformities, defects of the upper jaw.	PRN8
Surgical preparation of the oral cavity for orthopedic treatment.	PRN9
The student must know the biological basis of dental implantation. Types of implants. Indications, contraindications, provision.	PRN10
Surgical treatment of pain syndromes: neuralgia, neuritis of the maxillofacial area.	PRN11
The student should know about postoperative deformities of the upper lip, palate.	PRN12
Aesthetic facial surgery. Wrinkles.	PRN13

Expected learning results which must be achieved by students after mastering the discipline "Dentistry":

<b>Program learning results</b>	<b>PRN code</b>
The student must know the principles of surgical dental and maxillofacial care.	PRN1
Must be able to do conductive anesthesia of the upper, lower jaw and adjacent soft tissues.	PRN2
Must know surgical treatments for periodontitis.	PRN3
The student must be able to differentiate abscesses, phlegmons.	PRN4
Must know the root and follicular cysts of the jaws.	PRN5
Must know the classification of gunshot, non-gunshot injuries of the soft tissues of the maxillofacial area.	PRN6

## **5. THE PROGRAM OF EDUCATIONAL DISCIPLINE**

### **5.1. The content of the discipline**

#### **Content module I. Reconstructive and restorative surgery of the maxillofacial area.**

**Topic №1.** Ankylosis of the temporomandibular joint: etiology, pathogenesis, classification,

clinic, diagnosis, treatment. Lower jaw contracture: etiology, classification, clinic, differential diagnosis, treatment, prevention.

**Topic №2.** Local plastic surgery in the maxillofacial area. Principles of planning, methods and techniques of local plastic surgery. Mathematical substantiation of planning of plastic operations on the skin of the face and neck with local tissues.

**Topic №3.** Acquired defects and deformations of the lips, cheeks, nose, chin: replacement of defects and elimination of deformations by local tissues, in particular a flap on the leg.

**Topic №4-** Filatov's stalk. Indications for replacement of defects of tissues and organs of the maxillofacial area with Filatov's stem. Methods of preparation of Filatov's stalk, migration, training and closing of defect.

**Topic №5.** Facial skin defects, methods of closing them with a free flap. Defects of the mucous membrane of the mouth, nose, methods of closing them with a free flap.

**Topic №6.** Development of the skull and craniomandibular facial deformities. Examination of patients.

**Topic №7.** Bone regeneration of the jaws. Osteogenic and osteoinductive therapy.

**Topic №8.** Organ and tissue transplantation. The main complex of histocompatibility. RTPG and RGPT. Basic methods of preventing graft rejection.

**Topic №9.** Biological principles and methods of bone and cartilage tissue transplantation. Principles and methods of implantation of artificial structures. Results, complications.

**Topic №10.** Deformities, defects of the mandible: etiology, pathogenesis, classification, clinic, diagnosis, treatment, methods of bone grafting and indications for them.

**Topic №11.** Deformities, defects of the upper jaw: etiology, pathogenesis, classification, clinic, diagnosis, treatment, methods of bone grafting and indications for them.

**Topic №12.** Distraction-compression methods of treatment of defects and deformations of the bones of the facial skull. Surgical preparation of the oral cavity for orthopedic treatment. Orthodontic surgery.

**Topic №13.** Biological bases of dental implantation. Types of implants. Indications, contraindications, provision. Surgical stage of dental implantation. Preparation of alveolar sprout for implantation. Results, complications of dental implantation, examination and treatment.

**Topic №14.** Periodontal surgery, use of materials and equipment, technique of directed tissue regeneration. Surgical treatment of periodontitis: indications, technique, bone replacement materials. Complications of endodontic interventions and their surgical treatment.

**Topic №15.** Surgical treatment of pain syndromes: neuralgia, neuritis of the maxillofacial area. Temporomandibular joint pain dysfunction syndrome. Arthroscopy, its possibilities in the treatment of diseases of the temporomandibular joint.

**Topic №16.** Postoperative deformities of the upper lip, palate: etiology, pathogenesis, clinic, methods of treatment.

**Topic №17.** Paralysis of facial muscles: etiology, diagnosis, clinic, treatment, results. Facial atrophy: etiology, clinic, diagnosis, treatment.

**Topic №18.** Microsurgery for defects of soft and bone tissues of the maxillofacial area: the essence, indications, methods and techniques of operations.

**Topic №19.** Aesthetic facial surgery. Wrinkles: etiology, clinic, diagnosis, treatment methods. Salivary gland fistulas: etiology, clinic, diagnosis, treatment methods.

**Topic №20.** Final modular control. Module I.

### **Subordination**

#### **Content module II**

**Topic №1.** Principles of organization of surgical dental and maxillofacial care. General and special preparation of the patient for outpatient surgery and postoperative period. Anesthesia, premedication, choice of method of anesthesia for surgery in a hospital, clinic. Application and infiltration anesthesia of the maxillofacial tissues. Cardiopulmonary resuscitation..

**Topic №2.** Conductive anesthesia of the upper, lower jaw and adjacent soft tissues. Features of anesthesia in the elderly and senile. Physiotherapy for complications associated with pain relief. Typical and atypical tooth extraction, complications, their treatment, in particular physiotherapy. Detained and semi-detached teeth, complications of teething. Pericoronitis. X-ray diagnosis of detained teeth.

**Topic №3.** Surgical methods of treatment of periodontitis. Acute purulent odontogenic periostitis. Diagnosis of periodontitis. Treatment. Odontogenic sinusitis. X-ray diagnosis and treatment. Plastic removal of oro-antral connections.

**Topic №4.** Acute, chronic osteomyelitis of the jaws. X-ray diagnostics. Physiotherapy and complex treatment of osteomyelitis. Actinomycosis, tuberculosis, syphilis, AIDS.

**Topic №5.** Arthritis and arthrosis of the temporomandibular joint. Ankylosis of the temporomandibular joint. Temporomandibular joint plastic surgery. Contractures and dislocations of the lower jaw. Diagnosis, surgical and physiotherapeutic treatment. Acute and chronic nonspecific sialoadenitis (non-calculous and calculous). Diagnosis of sialoadenitis. Comprehensive treatment of sialoadenitis. Sialose.

**Topic №6.** Lymphadenitis, adenophlegmon. Abscesses of the face, palate, maxillofacial groove, sublingual area. Physiotherapy in the treatment of inflammatory processes of the maxillofacial area. Phlegmons of the submandibular, subchin area, pterygoid-maxillary area. Phlegmon of the orbit. Phlegmons of the cheekbones, masticatory, parotid area. Phlegmons of the pterygopalatine space, subtemporal and temporal fossa.

**Topic №7.** Pharyngeal phlegmon. Phlegmon of the bottom of the mouth, tongue and neck, sore throat Jansul-Ludwig. Complications and their prevention. Principles of treatment of inflammatory processes of the maxillofacial area. Tumors of the salivary glands. Plastic removal of salivary fistulas. Benign soft tissue tumors. Vascular tumors and birthmarks. Immunological concept of tumor development.

**Topic №8.** White root and follicular cysts of the jaws. Odontoma of the jaw, epulida. Diagnosis of odontogenic tumors. Differential diagnosis and treatment. Ameloblastoma, osteoclastoma, osteoma, osteodysplasia, fibrous osteodystrophy, eosinophilic granuloma, hemangioma, fibroma, chondroma. X-ray diagnostics, differential diagnostics, treatment. Bone grafting in bone tumors.

**Topic №9.** Cancer, sarcoma of the soft tissues of the mouth and face, bones of the facial skull. Plastic removal of defects of the jaws and soft tissues of the maxillofacial area. X-ray diagnosis of malignant tumors, differential diagnosis, treatment.













<p><b>Topic №5.</b> Arthritis and arthrosis of the temporomandibular joint. Ankylosis of the temporomandibular joint. Temporomandibular joint plastic surgery. Contractures and dislocations of the lower jaw. Diagnosis, surgical and physiotherapeutic treatment. Acute and chronic nonspecific sialoadenitis (non-calculous and calculous). Diagnosis of sialoadenitis. Comprehensive treatment of sialoadenitis. Sialose.</p>	4		4							
<p><b>Topic №6.</b> Lymphadenitis, adenophlegmon. Abscesses of the face, palate, maxillofacial groove, sublingual area. Physiotherapy in the treatment of inflammatory processes of the thyroid gland. Phlegmons of the submandibular, subchin area, pterygoid-maxillary area. Phlegmon of the orbit. Phlegmons of the cheekbones, masticatory, parotid area. Phlegmons of the pterygopalatine space, subtemporal and temporal fossa.</p>	6	2	4							
<p><b>Topic №7.</b> Pharyngeal phlegmon. Phlegmon of the bottom of the mouth, tongue and neck, sore throat Jansul-Ludwig. Complications and their prevention. Principles of treatment of inflammatory processes of the maxillofacial area. Tumors of the salivary glands. Plastic removal of salivary fistulas. Benign soft tissue tumors. Vascular tumors and birthmarks.</p>	4		4							



main complex of histocompatibility, RTPG and RGPT. Basic methods of preventing graft rejection.												
<b>Topic №12.</b> Surgical preparation of the oral cavity for prosthetics. Plastics of the alveolar sprout of the jaws. Dental implantation. Surgical methods of treatment of periodontitis, complications of endodontic interventions. Soft tissue plastic surgery before prosthetics.	6	2	4									
<b>Topic №13.</b> Plastic, aesthetic surgery of the soft tissues and bones of the facial skull. Soft tissue defects and their replacement by local tissues, skin flaps, Filatov's stem. Defects, deformations of the bones of the facial skeleton; diagnosis and methods of treatment of defects, deformities of the jaws. Microsurgery, facial plastic surgery with complex composite flaps. Fundamentals of craniofacial surgery, cranial bone grafting.	4		4									
<b>Final and module control Module V.</b>	2		2									
<b>Together on the content module 2</b>	80	20	60									
<b>INDZ</b>			-	-		-		-	-	-		
<b>Total hours for 2 semesters</b>	200	40	160									

### Topics of lectures IX semester

№ p/c	Name topics	Number of hours
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1.	Ankylosis of the temporomandibular joint: etiology, pathogenesis, classification, clinic, diagnosis and treatment of ankylosis.	2
2.	Lower jaw contracture: etiology, classification, clinic, differential diagnosis, treatment, prevention. Dislocations of the mandible: etiology, clinic, diagnosis, treatment. Contracture of the mandible: etiology, classification, clinic, differential diagnosis, treatment, prevention. Dislocations of the mandible: etiology, clinic, diagnosis, treatment.	2
3.	History of plastic surgery. Local plastic surgery in the maxillofacial area. Principles of planning, methods and techniques of local plastic surgery.	2
4.	Defects of the skin of the face, mucous membranes of the mouth, nose, methods of closing them with a free flap: indications, methods of free skin grafting. Acquired defects and deformities of the lips, cheeks, nose, chin; removing them with local tissues, in particular a flap on the leg. Filatov's stalk. Indications for replacement of defects of tissues and organs of the maxillofacial area with Filatov's stem. Stem harvesting methods, migration, training and defect closure.	2
5.	Development of the skull and craniofacial deformities. Examination and preparation of patients for surgery. Biological bases of osteogenesis. Bone and cartilage grafts, implants. Principles of their application. Bone regeneration of the jaws. Osteogenic and osteoinductive therapy.	2
6.	Deformities, defects of the upper and lower jaws: etiology, pathogenesis, classification, clinic, diagnosis, the essence of surgical treatment methods and indications for them.	2
7.	Distraction and compression methods of treatment of defects and deformations of the upper and lower jaws, treatment.	2
8.	Periodontal surgery. Pre-prosthetic surgery. Dental implantation. Surgical stage.	2
9.	Postoperative deformities of the upper lip and palate: etiology, pathogenesis, clinic, surgical methods of treatment of the deformity. Fistulas of the maxillofacial area, salivary glands: etiology, clinic, diagnosis, surgical treatment.	2
10.	Problems of cosmetic surgery. Wrinkles of the face and neck: etiology, clinic, diagnosis, surgical treatment. Paralysis of facial muscles: etiology, clinic, surgical treatments. Facial atrophy: etiology, clinic, diagnosis, surgical treatment. Soft and bone microsurgery of the maxillofacial area. Fundamentals of craniofacial surgery.	2
	<b>Together</b>	<b>20</b>

### 5.3 Topics of practical (seminar, laboratory) classes module IV

№ p/c	Name topics	Number of hours
1	Ankylosis of the temporomandibular joint: etiology, pathogenesis, classification, clinic, diagnosis, treatment.	6



Lower jaw contracture: etiology, classification, clinic, differential diagnosis, treatment, prevention.

2	Local plastic surgery in the maxillofacial area. Principles of planning, methods and techniques of local plastic surgery. Mathematical substantiation of planning of plastic operations on the skin of the face and neck with local tissues.	6
3	Acquired defects and deformations of the lips, cheeks, nose, chin: replacement of defects and elimination of deformations by local tissues, in particular a flap on the leg.	6
4	Filatov's stalk. Indications for replacement of defects of tissues and organs of the maxillofacial area with Filatov's stem. Methods of preparation of Filatov's stalk, migration, training and closing of defect.	6
5	Facial skin defects, methods of closing them with a free flap. Defects of the mucous membrane of the mouth, nose, methods of closing them with a free flap.	6
6	Development of the skull and craniofacial facial deformities. Examination of patients. Bone regeneration of the jaws. Osteogenic and osteoinductive therapy.	6
7	Bone regeneration of the jaws. Osteogenic and osteoinductive therapy.	6
8	Organ and tissue transplantation. The main complex of histocompatibility. RTPG and RGPT. Basic methods of preventing graft rejection.	6
9	Biological principles and methods of bone and cartilage tissue transplantation. Principles and methods of implantation of artificial structures. Results, complications.	6
10	Deformities, defects of the mandible: etiology, pathogenesis, classification, clinic, diagnosis, treatment, methods of bone grafting and indications for them.	6
11	Deformities, defects of the upper jaw: etiology, pathogenesis, classification, clinic, diagnosis, treatment, methods of bone grafting and indications for them.	6
12	Distraction-compression methods of treatment of defects and deformations of the bones of the facial skull. Surgical preparation of the oral cavity for orthopedic treatment. Orthodontic surgery.	4
13	Biological bases of dental implantation. Types of implants. Indications, contraindications, provision. Surgical stage of dental implantation. Preparation of alveolar sprout for implantation. Results, complications of dental implantation, examination and treatment.	4
14	Periodontal surgery, use of materials and equipment, technique of directed tissue regeneration. Surgical treatment of periodontitis: indications, technique, bone replacement materials. Complications of endodontic interventions and their surgical treatment.	4
15	Surgical treatment of pain syndromes: neuralgia, neuritis of the maxillofacial area. Temporomandibular joint pain dysfunction syndrome.	4

	Arthroscopy, its possibilities in the treatment of diseases of the temporomandibular joint.	
16	Postoperative deformities of the upper lip, palate: etiology, pathogenesis, clinic, methods of treatment.	4
17	Paralysis of facial muscles: etiology, diagnosis, clinic, treatment, results. Facial atrophy: etiology, clinic, diagnosis, treatment.	4
18	Microsurgery for soft and bone defects of the maxillofacial area: the essence, indications, methods and techniques of operations.	4
19	Aesthetic facial surgery. Wrinkles: etiology, clinic, diagnosis, treatment methods. Salivary gland fistulas: etiology, clinic, diagnosis, treatment methods.	4
20	Final modular control. Module IV.	2
	<b>Together</b>	<b>100</b>

#### Topics of lectures X semester

№ p/c	Name topics	Number of hours
1.	Principles of organization of surgical dental and maxillofacial care. General and special preparation of the patient for outpatient surgery and postoperative period. Anesthesia, premedication, choice of method of anesthesia for surgery in a hospital, clinic. Application and infiltration anesthesia of the maxillofacial tissues. Cardiopulmonary resuscitation.	2
2.	Typical and atypical tooth extraction, complications, their treatment, in particular physiotherapy. Detained and semi-detached teeth, complications of teething. Pericoronitis. X-ray diagnosis of detained teeth.	2
3.	Arthritis and arthrosis of the temporomandibular joint. Ankylosis of the temporomandibular joint. Temporomandibular joint plastic surgery. Contractures and dislocations of the lower jaw. Diagnosis, surgical and physiotherapeutic treatment.	2
4.	Lymphadenitis, adenophlegmon. Abscesses of the face, palate, maxillofacial groove, sublingual area. Physiotherapy in the treatment of inflammatory processes of the maxillofacial area.	2
5.	Pharyngeal phlegmon. Phlegmon of the bottom of the mouth, tongue and neck, sore throat Jansul-Ludwig. Complications and their prevention. Principles of treatment of inflammatory processes of the maxillofacial area.	2
6.	Underroot and follicular cysts of the jaws. Odontoma of the jaw, epulida. Diagnosis of odontogenic tumors. Differential diagnosis and treatment.	2
7.	Cancer, sarcoma of the soft tissues of the mouth and face, bones of the facial skull. Plastic removal of defects of the jaws and soft tissues of the maxillofacial area. X-ray diagnosis of malignant tumors, differential diagnosis, treatment.	2

8.	Gunshot, non-gunshot injuries to the soft tissues of the maxillofacial area. Burns and combined injuries. Soft tissue plastic surgery. Physiotherapy in the complex treatment of maxillofacial injuries.	2
9.	Plastic surgery after traumatic facial injuries. Organ and tissue transplantation. The main complex of histocompatibility, RTPG and RGPT. Basic methods of preventing graft rejection.	2
10.	Defects, deformations of the bones of the facial skeleton; diagnosis and methods of treatment of defects, deformities of the jaws. Microsurgery, facial plastic surgery with complex composite flaps. Fundamentals of craniofacial surgery, cranial bone grafting.	2
<b>Together</b>		<b>20</b>

### Topics of practical classes module V

№ p/c	Name topics	Number of hours
1	Principles of organization of surgical dental and maxillofacial care. General and special preparation of the patient for outpatient surgery and postoperative period. Anesthesia, premedication, choice of method of anesthesia for surgery in a hospital, clinic. Application and infiltration anesthesia of maxillofacial tissues. Cardiopulmonary resuscitation.	6
2	Conductive anesthesia of the upper, lower jaw and adjacent soft tissues. Features of anesthesia in the elderly and senile. Physiotherapy for complications associated with pain relief. Typical and atypical tooth extraction, complications, their treatment, in particular physiotherapy. Detained and semi-detached teeth, complications of teething. Pericoronitis. X-ray diagnosis of detained teeth.	6
3	Surgical methods of treatment of periodontitis. Acute purulent odontogenic periostitis. Diagnosis of periodontitis. Treatment. Odontogenic sinusitis. X-ray diagnosis and treatment. Plastic removal of oro-antral connections.	6
4	Acute, chronic osteomyelitis of the jaws. X-ray diagnostics. Physiotherapy and complex treatment of osteomyelitis. Actinomycosis, tuberculosis, syphilis, AIDS.	4
5	Arthritis and arthrosis of the temporomandibular joint. Ankylosis of the TMJ. Plastic TMJ. Contractures and dislocations of the lower jaw. Diagnosis, surgical and physiotherapeutic treatment. Acute and chronic nonspecific sialoadenitis (non-calculous and calculous). Diagnosis of sialoadenitis. Comprehensive treatment of sialoadenitis. Sialose.	4
6	Lymphadenitis, adenophlegmon. Abscesses of the face, palate, maxillofacial groove, sublingual area. Physiotherapy in the treatment of inflammatory processes of the maxillofacial area. Phlegmons of the submandibular, subchin area, pterygoid-maxillary area. Phlegmon of the orbit. Phlegmons of the cheekbones, masticatory, parotid area. Phlegmons of the pterygopalatine space, subtemporal and temporal fossa.	4
7	Pharyngeal phlegmon. Phlegmon of the bottom of the mouth, tongue and neck, sore throat Jansul-Ludwig. Complications and their prevention. Principles of treatment of inflammatory processes of the	4

	maxillofacial area. Tumors of the salivary glands. Plastic removal of salivary fistulas. Benign soft tissue tumors. Vascular tumors and birthmarks. Immunological concept of tumor development.	
8	White root and follicular cysts of the jaws. Odontoma of the jaw, epulida. Diagnosis of odontogenic tumors. Differential diagnosis and treatment. Ameloblastoma, osteoclastoma, osteoma, osteodysplasia, fibrous osteodystrophy, eosinophilic granuloma, hemangioma, fibroma, chondroma. X-ray diagnostics, differential diagnostics, treatment. Bone grafting in bone tumors.	4
9	Cancer, sarcoma of the soft tissues of the mouth and face, bones of the facial skull. Plastic removal of defects of the jaws and soft tissues of the maxillofacial area. X-ray diagnosis of malignant tumors, differential diagnosis, treatment.	4
10	Gunshot, non-gunshot injuries to the soft tissues of the maxillofacial area. Burns and combined injuries. Soft tissue plastic surgery. Physiotherapy in the complex treatment of maxillofacial injuries.	4
11	Gunshot, non-gunshot injuries of the bones of the facial skeleton. X-ray diagnosis of facial skeletal injuries. Comprehensive treatment of jaw injuries. Tissue regeneration of the maxillofacial area. Plastic surgery after traumatic facial injuries. Organ and tissue transplantation. The main complex of histocompatibility, RTPG and RGPT. Basic methods of preventing graft rejection.	4
12	Surgical preparation of the oral cavity for prosthetics. Plastics of the alveolar sprout of the jaws. Dental implantation. Surgical methods of treatment of periodontitis, complications of endodontic interventions. Soft tissue plastic surgery before prosthetics.	4
13	Plastic, aesthetic surgery of soft tissues and bones of the facial skull. Soft tissue defects and their replacement by local tissues, skin flaps, Filatov's stem. Defects, deformations of the bones of the facial skeleton; diagnosis and methods of treatment of defects, deformities of the jaws. Microsurgery, facial plastic surgery with complex composite flaps. Fundamentals of craniofacial surgery, cranial bone grafting.	4
14	Final and module control Module V	2
	<b>Together</b>	<b>60</b>

## 6. TOOLS OF DIAGNOSIS OF LEARNING RESULTS

Means of assessment and methods of demonstrating learning outcomes in the discipline are:

1. Final modular control №1 (semester 1)
2. Final modular control №2 (semester 2)
3. KKR
4. Credit

## 7. FORMS OF CURRENT AND FINAL CONTROL

Forms of current control: oral examination

Form of modular control: oral examination

Form of final semester control: oral examination

## 8. CRITERIA FOR EVALUATION OF LEARNING OUTCOMES

### Distribution of points received by applicants for higher education (module 1)

Ongoing evaluation and ongoing work										Modular control work	Total
T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	28	100
3	3	3	3	4	4	4	4	4	4		
T11	T12	T13	T14	T15	T16	T17	T18	T19			
4	4	4	4	4	4	4	4	4			

T1, T2 ... T19 – topics

### Distribution of points received by applicants for higher education (module 2)

Ongoing evaluation and ongoing work										Modular control work	Total
T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	35	100
5	5	5	5	5	5	5	5	5	5		
T11	T12	T13									
5	5	5									

T1, T2 ... T13 – topics

### Evaluation of certain types of educational work in the discipline

Type of activity of the applicant for higher education	Module 1		Module 2	
	number	Maximum number of points (total)	number	Maximum number of points (total)
Practical (seminar) classes	20	27	20	27
Laboratory classes (admission, execution and protection)	-	-	-	-
Computer testing in thematic assessment	1	10	1	10
Written testing in thematic assessment	20	27	20	27
...				
Presentation	1	6	1	6
Abstract	1	5	1	5
Essays	-	-	-	-
...				
Modular control work	1	25	1	25
<b>Together</b>		<b>100</b>		<b>100</b>

Criteria for evaluating modular control work

- Modular control work №1 - up to 10 points;
- Modular control work №2 - up to 10 points;

Performing a single test work involves providing answers to tests. Each single test consists of 20 tests. For each correct answer to 1 test task is given 0.5 points, for incorrect answer - 0 points. Modular test work is calculated if it is evaluated in 5 or more points.

Modular test work is allowed for students who have attended at least 90% of the audience and received at least 60% of the possible points for the current work.

Evaluation criteria for the final semester control

The credit card contains 3 tasks, each of which is evaluated on a scale:

- 1 theoretical task - up to 10 points inclusive;
- 2 theoretical tasks - up to 10 points;
- 3 practical tasks (problem solving) - up to 20 points.

The maximum number of points that a student can get in the hall is 40 points.

### Control methods

#### Assessment scale: national and ECTS

The sum of points for all types of educational activities	ECTS	Score on a national scale	
		for exam, course project (work), practice	for offset
90 – 100	<b>A</b>	excellent	credited
82-89	<b>B</b>	well	
74-81	<b>C</b>		
64-73	<b>D</b>	satisfactorily	
60-63	<b>E</b>		
35-59	<b>FX</b>	unsatisfactory with the possibility of reassembly	not credited with the possibility of re-assembly
0-34	<b>F</b>	unsatisfactory with mandatory re-study of the discipline	not credited with compulsory re-study of the discipline

## 9. LIST OF ISSUES TO BE FINISHED FOR FINAL CONTROL

1. Biological substantiation of distraction histogenesis. Distraction regenerate, the zone of "growth" of bone tissue.
2. Dislocation of the mandible: etiology, clinic, diagnosis, treatment.
3. Types and surgical methods of treatment of upper jaw deformities.
4. Types and surgical methods of treatment of mandibular deformities.
5. Free skin graft during maxillofacial operations. Types of skin grafts, their advantages and disadvantages.
6. Internal disorders of the temporomandibular joint. Classification, clinic, treatment.
7. Defects of the upper jaw: classification, clinic, treatment.
8. Defects of the mandible: classification, clinic, treatment.
9. Bone grafting: biological basis.
10. Clinic, diagnosis and treatment of arthritis of the temporomandibular joint. Write the necessary recipes.
11. Clinic, diagnosis and treatment of osteoarthritis of the temporomandibular joint. Write the necessary recipes.
12. Compression-distraction method of treatment of deformations, defects of facial bones. Achievements of domestic scientists.

13. Contracture of the lower jaw. Clinic, diagnosis, treatment.
14. Microvascular surgery and rags with an axial vascular pattern in the treatment of defects and deformations of facial tissues.
15. Basic principles, techniques and types of plastic surgery on the face and jaws.
16. Osteogenic and osteoinductive therapy in pathology of facial bones.
17. Principles of aesthetic facial surgery.
18. The role of domestic scientists in the development of reconstructive and facial surgery. Indications for plastic surgery.
19. Syndrome of painful dysfunction of the TMJ: etiology, pathogenesis, diagnosis, treatment.
20. Elimination of lip defects by local tissues, flaps on the leg.
21. Elimination of nasal defects by local tissues, flaps on the leg.
22. Elimination of chin defects by local tissues, flaps on the leg.
23. Elimination of cheek defects by local tissues, flaps on the leg.
24. Filatovsky stalk and its application in reconstructive facial surgery.
25. Skin plastics with local tissues. Operations planning (according to YK Shimanovsky, OO Limberg).
26. Facial atrophy: etiology, clinic, diagnosis.
27. Biological principles of directed tissue regeneration, membrane technique.
28. Blepharoplasty.
29. Management of patients after dental implantation.
30. Types of dental implants. Surgical stages of dental implantation.
31. Age-related changes in facial tissues
32. Secondary deformities of the upper lip and nose after rhinoheiloplasty. Clinic, treatment.
33. Secondary deformities of the upper jaw and middle face after uranostaphyloplasty. Clinic, treatment.
34. The importance of facial aesthetics in life and human psychology.
35. History of dental implantology.
36. Treatment of lesions of the facial nerve and facial muscles.
37. Methods, tools and criteria for assessing the bone tissue of the jaws
38. Microvascular surgery and rags with an axial vascular pattern in the treatment of defects and deformations of facial tissues.
39. Fistulas of salivary glands: etiology, clinic, diagnosis.
40. Fistulas of salivary glands: surgical methods of treatment.
41. Osteogenic and osteoinductive therapy in pathology of facial bones.
42. Osteointegration, its essence.
43. Periimplants, their treatment.
44. Preparing patients for implantation.
45. Principles of aesthetic facial surgery.
46. Rhinoplasty.
47. Dental implantation: a two-stage method of implantation.
48. Dental implantation: a one-stage method of implantation.
49. Dental implantation: indications and contraindications, provision,
50. Lesions of the trigeminal nerve. Neuritis, neuralgia. Clinic, diagnosis, treatment.
51. Surgical treatment of facial pain syndromes.
52. Surgical treatment of periodontitis: indications, technique.
53. Surgical treatment of complications of endodontic interventions.
54. Surgical methods of treatment of facial atrophy
55. Surgical methods of special preparation of the oral cavity for prosthetics.

## 10. TOOLS, EQUIPMENT AND SOFTWARE USED BY THE COURSE

Technical means: phantoms, models.

Equipment: typical dental equipment, class of personal computers.

Software: performed using computed tomography of the jaw.

## 11. RECOMMENDED SOURCES OF INFORMATION

1. Ісанідіс Г.П. Анкілоз скронево-нижньощелепового суглобу і мікрогенія. – Ташкент: Медицина, 1974.
2. Керівництво по хірургічній стоматології / Під ред. О.І. Євдокімова. – М.: Медицина, 1972.
3. Рузін Г.П., Пюрик В.П., Денисенко О.Г. Комп'ютерні поточні та кінцеві завдання (тести) з хірургічної стоматології. Ів.Франківськ, 1995.
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5. Сукачов В.А. Атлас реконструктивних операцій на кістках лиця. – М.: Медицина, 1984.
6. Тимофеев А.А. Руководство по челюстно-лицевой хирургии и хирургической стоматологии, 2002.
7. Фриденштейн А. Я., Лалыкина К. С. Индукция костной ткани и остеогенные клетки-предшественники. – М.: Медицина, 1973.
8. Хем А., Кормак Д. Гистология. – М. 1985.
9. Хирургическая стоматология (под ред. В.И.Заусаева – М.: Медицина, 1976.
10. Хирургическая стоматология (под ред. В.А.Дунаевского – М.: Медицина, 1979
11. Швырков М.Б., Афанасьев В.В., Стародубцев В.С. Неогнестрельные переломы челюстей – М.: Медицина, 1999.
12. Ю.І. Бернадський. Травматологія і відновна хірургія щелепно-лицевої ділянки. – К.:Вища школа, 1985.



**Результати перегляду  
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Робоча програма перезатверджена на 20\_\_ / 20\_\_ н.р. без змін; зі змінами  
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