MINISTRY OF HEALTH OF UKRAINE
BUKOVINIAN STATE MEDICAL UNIVERSITY

APPROVED
Vice-Rector of Higher Educational Establishment on Scientific-Pedagogical Work and International Relations
_____ Oksana GODOVANETS
«30» 06 2025.

GUIDE
(SYLLABUS)
to studying the discipline

«SURGICAL DENTISTRY»

Field of knowledge	– **22 Healthcare**
Specialty	– **221 Dentistry**
Academic degree	– **Doctor of Philosophy**
Academic year	– **I, II, III**
Form of education	– **full-time (day, evening), distance studies**
Department	– **of Surgical Dentistry and Maxillofacial Surgery**

Approved at the meeting of the Department of Surgical Dentistry and Maxillofacial Surgery «04» 06 2025. (Minutes № 15).

Head of the Department, Nataliia KUZNIAK

Approved at the meeting of the Subject Methodical Board on dental disciplines «26» 06 2025. (Minutes № 6).

Head of the Subject Methodical Board, Nataliia KUZNIAK

Chernivtsi, 2025

1. GENERAL INFORMATION ABOUT THE SCIENTIFIC AND PEDAGOGICAL STAFF TEACHING THE DISCIPLINE

Department	**of Surgical Dentistry and Maxillofacial Surgery**
Surname, name of scientific and pedagogical staff, position, academic degree, academic title, e-mail	**Kuzniak Nataliia Bohdanivna** – Doctor of Medical Sciences, Professor, Head of the Department of Surgical Dentistry and Maxillofacial Surgery kuzniak_nataliia@bsmu.edu.ua **Bambuliak Andrii Vasyliovych** — Doctor of Medical Sciences, Associate Professor, Professor of the Higher Educational Establishment, Department of Surgical Dentistry and Maxillofacial Surgery bambuljak.andrij@bsmu.edu.ua
Website of the Department on the official University website	https://www.bsmu.edu.ua/hirurgichnoyi-stomatologiyi-ta-shhelepno-litsevoyi-hirurgiyi/
Department website	https://stomat.bsmu.edu.ua/home
E-mail	dentistry_surg@bsmu.edu.ua
Address	1B Ryzka st., Chernivtsi
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2. GENERAL INFORMATION ABOUT THE DISCIPLINE

Status of the discipline	elective
Amount of credits	12
General amount of hours	360
Lectures	20
Practical classes	80
Independent work	260
Type of final testing	Credit test

3. DESCRIPTION OF THE DISCIPLINE (ANNOTATION)

Surgical Dentistry is a branch of medicine that studies etiological factors, pathogenic mechanisms, diagnostic methods and surgical approaches to the treatment of pathological processes and traumatic injuries of the oral cavity, maxillofacial and cervical regions. The scope of the discipline includes inflammatory processes, diseases of the salivary glands, neoplasms, injuries, as well as congenital and acquired defects. Reconstructive and Restorative (Plastic) Surgery is of special importance as an integral component of modern medical practice.

In the context of development of medical science and practice, Surgical Dentistry acquires a special value as one of the leading trends of dental care. Improvement of the therapeutic methods, implementation of innovation technologies and increase of social requirements in highly qualified medical services stipulate the need to train professionals of a new generation with advanced competence.

The Curriculum combines theoretical, practical and interdisciplinary training. Practical components are realized of clinical bases of medical institutions, where postgraduates participate in the medical process, assist in complicated cases and implement their theoretical knowledge into practice. Scientific work plays a special role: participation in research projects, writing publications, speeches at conferences and cooperation with international academic community. It promotes a professional growth of a future scientist and lecturer able to function successfully in the globalized environment.

The subject of learning for postgraduates is formation of advanced knowledge and practical skills in Surgical Dentistry sufficient for independent medical practice, conducting scientific research and introduction of innovation technologies in clinical practice. The Curriculum is focused on the development of professional competence, critical thinking and ability to integrate the results of research into international scientific-educational environment.

4. POLICY OF THE DISCIPLINE

4.1. ***List of normative documents:***

- Regulations on the organization of the educational process – https://cutt.ly/ArUqCMFh;
- Instructions for assessing the academic performance of PhD students at BSMU in the context of the implementation of the European Credit Transfer System for the organisation of the educational process – https://surl.li/acuduy;
- Regulations on the procedure for reworking missed and uncredited classes – https://cutt.ly/jrUqBS36;
- Regulations on the appeal of the results of the final testing of knowledge of higher education – https://cutt.ly/3rUqMAbV;

- Code of Academic Integrity – https://cutt.ly/FrUq1ljK;
- Regulations on the prevention of academic plagiarism – https://cutt.ly/MrUq6QAt;
- Regulations on the procedure and conditions for students to choose elective courses – https://cutt.ly/srUwo6Ci;
- Regulations on the procedure for recognizing learning outcomes achieved through non-formal and/or informal education – https://cutt.ly/SrUwp1ie;
- Rules of conduct for learners – https://cutt.ly/ErUq72rZ;
- Rules of internal labor regulations – https://cutt.ly/UrUwiACe;
- Regulations on training candidates for higher education with a PhD or Doctor of Science Degree – https://surl.lu/aygfsk;
- Regulations on the order to award Doctor of Philosophy Degree and cancellation of the decision of a one-time specialized Academic Council at Bukovinian State Medical University https://surl.li/zoclfi;
- Regulations on Biomedical Ethics Board https://surl.lt/hcmnln;
- Regulations on the primary documents and the board on verification of original documents in scientific research at Bukovinian State Medical University https://surl.li/dgjnpe.

4.2. ***Policy on keeping to the principles of academic integrity of learners:***

- independent performance of individual tasks and correct registration of references to sources of information in case of borrowing ideas, statements, information;
- creation of an effective system to prevent and detect academic plagiarism in scientific papers.

4.3. ***Policy on keeping to the principles and norms of ethics and deontology by learners:***

- actions in professional and educational situations from the view of academic integrity and professional ethics and deontology;
- compliance with the University's internal labor regulations and rules of conduct for students; be tolerant, friendly, and thoughtful in communicating with students and staff of departments, healthcare institutions, etc;
- awareness of the importance of examples of human behavior in accordance with the norms of academic integrity and medical ethics.

4.4. ***Attendance policy for learners:***

- attendance at all training sessions (lectures, practical (seminar) classes, final modular control) is compulsory for the purpose of current and final assessment of knowledge (except for important reasons).

4.5. ***Deadline policy and completion of missed or uncredited classes by learners:***

- reworks of missed classes are held according to the schedule of missed or uncredited classes and consultations.

5. PREREQUISITES AND POST-REQUISITES OF THE DISCIPLINE (INTERDISCIPLINARY INTEGRATION)

List of disciplines, on which the study of academic discipline is based	**List of academic disciplines, laying the basis as a result of studying the discipline**
Surgical Dentistry Pediatric Surgical Dentistry Ethics and Methodology of Scientific Research. Fundamentals of Academic Integrity Biostatistics Theoretical and Practical Aspects of Modern Dentistry Upper Intermediate English Psychology and Pedagogical Science of a Higher Schools Presentation and Implementation of the Results of Own Scientific Research Modern Information Technologies Key Skills in a Successful Scientific Career Fundamental of the Patent Law and Intellectual Property Evidence Based Medicine	Surgical Dentistry

6. PURPOSE AND TASKS OF THE DISCIPLINE:

6.1. *Purpose:* formation of a complex of knowledge and skills in Surgical Dentistry and Maxillofacial Surgery, development of scientific-pedagogical potential and integration into the international scientific-educational environment.

6.2. *The main tasks* of learning the discipline are formation of ability and readiness to find promising and perspective trends of scientific research and systematization of relevant issues in Surgical Dentistry including:

- mastering methodology of modern and innovation studies;
- mastering up-to-date surgical techniques and methods of treatment of oral and maxillofacial pathology;

- analysis of clinical aspects of pathology considering etiological and pathogenic factors;
- formation of the tactics of patient management and assessment of the therapeutic effectiveness based on evidence-based medicine and medical-statistical results;
- development of the plans of examination, interpretation of laboratory and instrumental findings, prognostication of the results of treatment;
- making diagnostics and differential diagnostics of surgical pathology, making the diagnosis according to the international classifications;
- giving urgent aid in the area of Surgical Dentistry;
- realization of preventive measures directed to maintenance of health and prevention of pathology development.

7. COMPETENCES CONTRIBUTED TO BY THE EDUCATIONAL DISCIPLINE:

Integral competence: Ability to produce new ideas, solve complicated issues in Dentistry and affiliated interdisciplinary questions, apply the methods of scientific and pedagogical work, carry out own scientific research, which results have scientific novelty, are of theoretical and practical value.

General competences (GC):

GC01. Ability to solve complicated tasks based on systemic scientific outlook and general cultural view keeping to professional ethics and academic integrity.

GC02. Ability to searching, processing and analyzing information from various sources.

GC03. Ability to abstract thinking, analysis and synthesis.

GC04. Ability to work in the international environment.

Special (professional) competences (PC):

PC01. Ability to carry out original research, achieve scientific results that supplement new knowledge in Dentistry and its related fields of medicine, and can be published in leading international scientific editions.

PC02. Ability to initiate, develop and implement comprehensive innovation projects in the field of Dentistry and related interdisciplinary projects.

PC03. Ability to present and discuss the results of scientific research and innovation projects in the field of Dentistry in the Ukrainian language and one of the official languages of the European Union orally and in writing, to publish the results of studies in leading international scientific editions.

PC04. Ability to perform scientific-pedagogical work on the specialty “Dentistry” at higher educational institutions.

PC05. Ability to generate new ideas concerning the development of theory and practice in Dentistry, detect problems, set and solve the issues of a research character in the field of health care, and provide the quality of the studies performed in Dentistry.

PC06. Ability to apply up-to-date digital technologies, databases and other electronic resources, specialized software in scientific and educational work.

PC07. Ability to critical analysis, assessment and synthesis of new and comprehensive ideas in the field of Dentistry and related interdisciplinary issues.

PC08. Ability to continuous self-development and self-improvement.

8. PROGRAM LEARNING OUTCOMES.

The academic discipline ensures the formation of the following program learning outcomes (PLO):

PLO 01. Possess conceptual and methodological knowledge in Dentistry and related subjects, as well as research skills sufficient to carry out scientific and applied studies on the level of the latest world achievements in an appropriate field, obtain new knowledge and/or introduce innovations.

PLO 02. Have deep understanding of general principles and methods of sciences on human health, the main tendencies of their development, methodology of scientific studies, apply them in own scientific search in the field of Dentistry and pedagogical work.

PLO 03. Freely present and discuss with professional and other specialists the results of studies and applied issues in Dentistry in Ukrainian and other languages, demonstrate the results of studies in scientific publications in leading international scientific editions.

PLO 04. Define and check hypotheses; use appropriate evidence to substantiate conclusions, results of theoretical analysis, experimental studies, data statistical analysis, literary data in particular.

PLO 05. Apply modern tools and technologies of search, processing and analysis of medical-biological information, in particular, statistical methods of analyzing of large amounts of data and/or of a complicated structure, specialized databases and information systems.

PLO 06. Apply general principles and methods of research in the field of health care, modern methods and tools, digital technologies and specialized software in order to implement studies in the field of Dentistry.

PLO 07. Develop and realize scientific and/or innovation medical projects that provide an opportunity to rethink existing and create new holistic knowledge, and/or professional practice, and solve important issues in the field of medicine.

PLO 08. Organize and provide educational process in the sphere of Dentistry, its scientific, educational-methodological and normative provision, develop and apply innovation educational technologies, develop and teach special educational subjects at higher educational institutions.

PLO 09. Plan and conduct research in Dentistry and related interdisciplinary areas, using modern tools and keeping to the regulations of professional and academic ethics, bioethics, good medical practice (GMP), critically analyze the results of own and others research in the context of the whole complex of modern knowledge.

PLO 10. Develop and examine the models of processes and systems, effectively use them to obtain new knowledge and/or create innovation products in the field of Dentistry and related interdisciplinary areas.

As a result of studying the academic discipline, the learner should:

Know:

- conceptual and methodological principles in the field or related areas of knowledge or professional work;

Be able to:

- solve important issues in the sphere of professional activity, science and /or innovations, expand and reassess the existing knowledge and professional practices;
- initiate, plan, realize and correct a sequential process of a comprehensive scientific research keeping to appropriate academic integrity;
- critically analyze, assess and synthesize new and comprehensive ideas.

Demonstrate:

- fluent communication on the issues concerning the sphere of scientific and expert knowledge, with colleagues, scientific community, society on the whole;
- sufficient authority, innovation, a high level of independence, academic and professional integrity, continuous dedication to the development of new ideas or processes in the leading contexts of professional and scientific work;
- ability to continuous self-development and self-improvement.

9. INFORMATIONAL SCOPE OF THE DISCIPLINE

Module 1. Pathology of inflammatory and traumatic genesis of the maxillofacial area.

Content module 1. *Pathology of inflammatory genesis of the maxillofacial area.*

Specific objectives:

- advanced understanding of clinical signs and complications of inflammatory processes of the maxillofacial area (MFA);
- mastering the principles of interdisciplinary approach in diagnostics and treatment of pathologies;
- competence development in carrying out scientific research and preparing publications in professional editions;
- forming professional ability to introduction of innovation approaches in treatment and prevention.

Topic 1. Practical analysis of abscesses and phlegmons of the maxillofacial area: clinical topography, diagnostics, modern methods of treatment.

Candidates for a scientific degree obtain deep knowledge about clinical topography of abscesses and phlegmons. Modern methods of diagnostics and treatment are studied, and algorithms of surgery are designed. Practical skills of analyzing complications and prevention of their development are formed.

Topic 2. Clinical and research analysis of odontogenic sinusitis: etiology, pathogenesis, and modern methods of treatment.

Young scientists expand knowledge about etiology and pathogenesis of odontogenic sinusitis. Modern methods of diagnostics and treatment are mastered including endoscopic methods. The skills of clinical thinking, planning therapy on evidence-based medicine principles are formed.

Topic 3. Comparative analysis of etiology and pathogenesis of complications of odontogenic processes in the contest of evidence-based medicine.

Postgraduates acquire deep knowledge about the mechanisms promoting development of complications of odontogenic processes. Critical analysis of the current protocols of treatment and their effectiveness is made. The skills of comparative analysis and assessment of the results in the context of evidence-based medicine are formed.

Topic 4. Extirpation of the submandibular salivary gland. Complications, prognosis.

Young researchers study indications and methods of extirpation of the submandibular salivary gland. The stages of surgery and specific features of the postoperative therapy are mastered. Practical skills to prevent complications and analyze clinical results are formed.

Topic 5. Analysis of clinical signs of neuralgia and neuropathy in the contest of evidence-based medicine.

Participants of the training program obtain deep knowledge about clinical signs of neuralgia and neuropathy of the MFA. Modern methods of diagnostics and treatment are studied on the principles of the evidence-based medicine. The skills of differential diagnostics and critical analysis of therapeutic effectiveness are formed.

Content module 2. *Pathology of traumatic genesis of the maxillofacial area.*

Specific objectives:

- advanced understanding of clinical signs of MFA traumatic injuries depending on their localization;
- mastering the principles of comparative analysis of therapeutic methods (conservative and surgical) with a critical assessment of their effectiveness;
- competence development in research and assessment of results in rehabilitation of patients with severe injuries;
- formation of professional readiness to introduce innovation technologies in the treatment and restoration of MFA functions;
- integration of evidence-based medicine into the practice and scientific work in order to substantiate diagnostic and therapeutic solutions.

Topic 6. Research analysis of specific features of clinical manifestation of mandible fractures depending on their localization.

Candidates for a scientific degree obtain deep knowledge about clinical signs of mandible fractures. Specific features of the symptoms are studied depending on the localization of injury. Practical skills of diagnostics and treatment are formed considering anatomical and functional aspects.

Topic 7. Comparative analysis of conservative and surgical methods of treatment of zygomatic bone and arch fractures.

Young scientists expand their knowledge about current conservative and surgical methods of treatment of zygomatic bone fractures. Indications, advantages and disadvantages of different approaches are analyzed. The skills of critical thinking and choice of the optimal tactics of treatment are formed. .

Topic 8. Assessment of the effectiveness of therapeutic and rehabilitation methods for patients with severe injuries of the maxillofacial area.

Postgraduates acquire deep knowledge about comprehensive treatment of severe MFA injuries. Modern methods of surgical correction and rehabilitation are studied. Practical skills to assess the effectiveness of therapy and planning rehabilitation programs are formed.

Module 2. Oncological dentistry of adults and children. Surgical pediatric dentistry.

Content module 1. *Oncological processes of the maxillofacial area: a group of adult patients.*

Specific objectives:

- advanced understanding of clinical signs and the course of oncological processes of the MFA in adults;
- mastering current principles of surgical and combined treatment of tumors with critical assessment of their effectiveness;
- competence development in the area of medical examination and rehabilitation of patients after treatment of oncological diseases;
- formation of skills of multidisciplinary approach to planning and performing surgery;
- integration of evidence-based medicine into clinical practice and scientific-research work;
- preparing for scientific and publication work through the analysis of clinical cases, modeling therapeutic strategies and assessment of results.

Topic 1. A comprehensive analysis of clinical cases of benign tumors and cysts in the context of evidence-based medicine.

Candidates for a scientific degree obtain deep knowledge about clinical signs of benign tumors and cysts. Modern methods of diagnostics and treatment are analyzed on the principles of evidence-based medicine. Practical skills of critical analysis of cases and assessment of therapeutic results are formed.

Topic 2. Practical modeling of current surgical and combined methods of treatment of malignant tumors of the MFA.

Young scientists expand their knowledge about current combined and surgical methods of treatment of malignant tumors. Indications, surgical methods and possibilities of their combination with radiation and chemotherapy are studied. Practical skills of modelling clinical scenarios and choosing an optimal tactics of treatment are formed.

Topic 3. Assessment of the effectiveness of medical examination (dispensary) and modern schemes of patient rehabilitation after the treatment of MFA tumors.

Postgraduates obtain deep knowledge about the principles of dispensary observation of patients after treatment of tumors. Current schemes of medical and social rehabilitation are analyzed. Practical skills of assessment of the effectiveness of rehabilitation programs and relapse prevention are formed.

Topic 4. Multidisciplinary approach to planning and performing surgery for maxillofacial area neoplasms.

Young researchers expand their knowledge about principles of multidisciplinary approach in the treatment of neoplasms. The role of cooperation of surgeons, oncologists, dentists and rehabilitation specialists is studied. Practical skills of planning surgery and coordinating teamwork are formed in order to achieve the best results.

Content module 2. *Current approaches to treatment of cancer diseases of the maxillofacial area in childhood.*

Specific objectives:

- advanced understanding of clinical signs and the course of oncological processes in children including benign and malignant neoplasms of the MFA;
- mastering the current principles of diagnostics and treatment of pediatric oncological pathologies and traumatic injuries in the period of alternating occlusion;
- competence development in the use of innovation technologies of pediatric surgical dentistry and assessment of their effectiveness;
- formation of the skills of multidisciplinary approach to treatment and rehabilitation of children with congenital developmental defects of the MFA;
- integration of evidence-based medicine into clinical practice and scientific-research work considering a pediatric group of patients;
- preparing for scientific and publication work through the analysis of clinical cases, comparison of therapeutic strategies and assessment of rehabilitation results.

Topic 5. Comparative study of clinical signs and therapeutic strategies for benign osteogenic neoplasms.

Candidates for a scientific degree obtain deep knowledge about clinical signs of benign osteogenic neoplasms. Practical skills of the comparative analysis of different therapeutic methods in the context of evidence-based medicine are formed.

Topic 6. Clinical-research analysis of malignant tumors of the MFA in children: classification, diagnostics and treatment.

Young scientists expand their knowledge about classification and clinical features of malignant tumors in children. Modern methods of diagnostics and treatment including those of combined protocols are studied. Practical skills of analysis of clinical cases and planning therapy considering age features are formed.

Topic 7. Modern technologies of treatment of jaw fractures in the period of alternating occlusion.

Postgraduates obtain deep knowledge about treatment of jaw fractures in children and teens. Modern technologies of fixation and functional restoration of the maxillofacial area are studied. Practical skills of innovation methods introduction in clinical scenarios are formed.

Topic 8. Assessment of the effectiveness of multidisciplinary programs of rehabilitation of children with congenital developmental defects of the MFA.

Young researchers expand their knowledge about modern rehabilitation programs of children with congenital developmental defects. The role of a multidisciplinary approach and teamwork of professional is analyzed. Practical skill of assessing the effectiveness of rehabilitation programs and planning a long-term observation are formed.

Module 3. Pre-prosthetic surgery of the MFA soft tissues. Dental and maxillofacial implantology. Esthetic and reconstructive-restorative surgery.

Content module 1. *Pre-prosthetic surgery and implantology in dental practice.*

Specific objectives:

- advanced understanding of modern technologies of pre-prosthetic surgery and implantology including digital protocols and CAD/CAM-decisions;
- mastering the principles of use of innovation methods (laser surgery, digital planning, implantation materials) in clinical practice;
- competence development in critical analysis and comparison of different technologies in order to improve the results of treatment and rehabilitation;
- formation of professional readiness to the integration of digital technologies into planning, performing and post-operative support after grafting;
- integration of evidence-based medicine into the choice of methods of pre-prosthetic surgery and implantology focusing on effectiveness and safety;
- preparing to scientific-research work and publication through the analysis of clinical cases and introduction of innovation technologies.

Topic 1. A comprehensive approach to the use of CAD/CAM-constructions in the formation of oral vestibule after surgery.

Candidates for a scientific degree obtain deep knowledge about the use of CAD/CAM-technologies in the reconstruction of the oral vestibule. Modern methods of digital modeling and preparing individual constructions are studied. Practical skills of integration of digital protocols into the post-operative treatment are formed. .

Topic 2. Modern technologies of pre-prosthetic surgery: laser frenuloplasty and digital planning of prosthesis.

Young scientists expand their knowledge about modern methods of pre-prosthetic surgery. Possibilities of laser frenuloplasty and digital planning of prosthesis are analyzed. Practical skills of using innovation technologies to prepare patients for prosthesis are formed.

Topic 3. Comparative analysis of implantation materials and technologies to increase alveolar height.

Postgraduates obtain deep knowledge about modern implantation materials and methods of increasing alveolar height. Indications, advantages and disadvantages of different techniques are studied. Practical skills of comparative analysis and choosing the optimal strategy of treatment are formed.

Topic 4. The use of digital protocols in planning and rehabilitation after implantation.

Young scientists expand their knowledge about digital protocols in planning and rehabilitation after implantation. The possibilities of 3D-visualization, CAD/CAM and navigation surgery are studied. Practical skills of integration of digital technologies into a comprehensive treatment of patients are formed.

Content module 2. *Surgery of the maxillofacial area: esthetic and restorative aspects.*

Specific objectives:

- advanced understanding of modern plastic technologies with local and combined tissues in the restorative surgery of the MFA;
- mastering principles of microsurgical techniques and laser methods in the context of esthetic and functional results;
- competence development in critical assessment of effectiveness of preventive protocols for decreasing the risk of postoperative complications;
- forming the skills of rehabilitation program modeling (outpatient and inpatient) for the patients with MFA defects;
- integration of a multidisciplinary approach to planning and performing reconstructive surgery;
- preparing for scientific-research and publication work through the analysis of clinical cases and introduction of innovation technologies into practice.

Topic 5. Modern plastic technologies with local tissues: microsurgical techniques and laser processing.

Candidates for a scientific degree obtain deep knowledge about modern plastic methods with local tissues. Microsurgical techniques and possibilities of laser processing are studied. Practical skills to use innovation technologies for functional restoration and esthetic purposes are formed.

Topic 6. The use of combined plastics methods for restoration of complicated defects.

Young scientists expand their knowledge about combined plastics methods in maxillofacial surgery. Indications and effectiveness of different approaches to replacement of complicated defects are analyzed. Practical skills of choosing optimal reconstruction strategy are formed..

Topic 7. Assessment of the effectiveness of modern protocols on prevention of complications in the maxillofacial surgery.

Postgraduates obtain deep knowledge about current protocols for prevention of complications. Methods to decrease the risk of infectious, functional and esthetic disorders are studied. Practical skills of assessing the effectiveness of preventive measures in clinical practice are formed.

Topic 8. Practical modeling of outpatient and inpatient rehabilitation programs of patients with maxillofacial deformities.

Young researchers expand their knowledge about modern rehabilitation programs for patients with maxillofacial deformities. Specific features of outpatient and inpatient approaches are analyzed. Practical skills of modelling comprehensive programs of functional and esthetic restoration are formed.

10. STRUCTURE OF THE DISCIPLINE.

Names of content modules and topics	Amount of hours			
	Total	including		
		Classroom		Independent work
		Lectures	Practical classes	
Module 1. Pathology of inflammatory and traumatic genesis of the maxillofacial area.				
Content module 1*. Pathology of inflammatory genesis of the maxillofacial area.*				
Topic 1. Practical analysis of abscesses and phlegmons of the maxillofacial area: clinical topography, diagnostics, modern methods of treatment.	15	2	3	10
Topic 2. Clinical and research analysis of odontogenic sinusitis: etiology, pathogenesis, and modern methods of treatment.	11		2	9
Topic 3. Comparative analysis of etiology and pathogenesis of complications of odontogenic processes in the contest of evidence-based medicine.	16	2	3	11

Topic 4 Extirpation of the submandibular salivary gland. Complications, prognosis.	13		2	11
Topic 5. Analysis of clinical signs of neuralgia and neuropathy in the contest of evidence-based medicine.	15		4	11
Content module 2. *Pathology of traumatic genesis of the maxillofacial area.*				
Topic 6. Research analysis of specific features of clinical manifestation of mandible fractures depending on their localization.	17	2	4	11
Topic 7. Comparative analysis of conservative and surgical methods of treatment of zygomatic bone and arch fractures.	15		4	11
Topic 8. Assessment of the effectiveness of therapeutic and rehabilitation methods for patients with severe injuries of the maxillofacial area.	18	2	4	12
Module 2. Oncological dentistry of adults and children. Surgical pediatric dentistry.				
Content module 1*. Oncological processes of the maxillofacial area: a group of adult patients.*				
Topic 1. A comprehensive analysis of clinical cases of benign tumors and cysts in the context of evidence-based medicine.	16	2	4	10
Topic 2. Practical modeling of current surgical and combined methods of treatment of malignant tumors of the MFA.	16		4	12
Topic 3. Assessment of the effectiveness of medical examination (dispensary) and modern schemes of patient rehabilitation after the treatment of MFA tumors	16	2	3	11
Topic 4. Multidisciplinary approach to planning and performing surgery for maxillofacial area neoplasms	15		3	12
Content module 2*. Current approaches to treatment of cancer diseases of the maxillofacial area in childhood.*				
Topic 5. Comparative study of clinical signs and therapeutic strategies for benign osteogenic neoplasms.	15	2	3	10
Topic 6. Clinical-research analysis of malignant tumors of the MFA in children: classification, diagnostics and treatment.	15		4	11
Topic 7. Modern technologies of treatment of jaw fractures in the period of alternating occlusion	15	2	3	10
Topic 8. Assessment of the effectiveness of multidisciplinary programs of rehabilitation of children with congenital developmental defects of the MFA	12		2	10
Module 3. Pre-prosthetic surgery of the MFA soft tissues. Dental and maxillofacial implantology. Esthetic and reconstructive-restorative surgery				
Content module 1. *Pre-prosthetic surgery and implantology in dental practice.*				
Topic 1. A comprehensive approach to the use of CAD/CAM-constructions in the formation of oral vestibule after surgery.	15		3	12
Topic 2. Modern technologies of pre-prosthetic surgery: laser frenuloplasty and digital planning of prosthesis.	15		4	11
Topic 3. Comparative analysis of implantation materials and technologies to increase alveolar height	15		3	12
Topic 4. The use of digital protocols in planning and rehabilitation after implantation	15	2	4	9
Content module 2. *Surgery of the maxillofacial area: esthetic and restorative aspects*				
Topic 5. Modern plastic technologies with local tissues: microsurgical techniques and laser processing	15	2	4	9
Topic 6. The use of combined plastics methods for restoration of complicated defects.	15		3	12
Topic 7. Assessment of the effectiveness of modern protocols on prevention of complications in the maxillofacial surgery.	15		4	11
Topic 8. Practical modeling of outpatient and inpatient rehabilitation programs of patients with maxillofacial deformities.	13		3	10
TOTAL HOURS	**360**	**20**	**80**	**260**

11.THEMATIC PLAN OF LECTURES

№	Name of the topic	Amount of hours
Module 1. Pathology of inflammatory and traumatic genesis of the maxillofacial area.		
***Content module 1**. Pathology of inflammatory genesis of the maxillofacial area.*		
1	Practical analysis of abscesses and phlegmons of the maxillofacial area: clinical topography, diagnostics, modern methods of treatment.	2
2	Purulent-inflammatory processes of the maxillofacial area and neck: scientific analysis of modern principles of comprehensive treatment and interdisciplinary approaches	2
***Content module 2.** Pathology of traumatic genesis of the maxillofacial area*		
3	Injuries of the maxillofacial area: classification, diagnostics, morphology and modern methods of treatment	2
4	Multiple trauma and combined injuries of the maxillofacial area: scientific analysis of pathogenesis, diagnostics and modern methods of treatment	2
Module 2. Oncological dentistry of adults and children. Surgical pediatric dentistry.		
***Content module 1**. Oncological processes of the maxillofacial area: a group of adult patients.*		
5	Carcinogenesis and oncological processes of the oral mucosa and the red border of the lips: scientific analysis of classifications, diagnostics and modern methods of treatment	2
6	Neoplasms of the maxillofacial area: scientific analysis of modern principles of treatment and interdisciplinary approaches	2
***Content module 2**. Current approaches to treatment of cancer diseases of the maxillofacial area in childhood.*		
7	Benign and malignant tumors in children: scientific analysis of classifications, etiology and pathogenesis, diagnostics and modern methods of treatment	2
8	Traumatic injuries of the teeth and bones of the maxillofacial area in children: scientific analysis of etiology, classifications, diagnostics and modern methods of treatment	2
Module 3. Pre-prosthetic surgery of the MFA soft tissues. Dental and maxillofacial implantology. Esthetic and reconstructive-restorative surgery		
***Content module 1** Pre-prosthetic surgery and implantology in dental practice.*		
9	Dental implants: osteointegration, treatment planning and modern surgical methods	2
***Content module 2.** Surgery of the maxillofacial area: esthetic and restorative aspects*		
10	Congenital and acquired defects of the maxillofacial area: classification, etiology, epidemiology and modern strategies of restorative treatment	2
TOTAL		**20**

12. THEMATIC PLAN OF PRACTICAL CLASSES

№	Name of the topic	Amount of hours
Module 1. Pathology of inflammatory and traumatic genesis of the maxillofacial area.		
***Content module 1**. Pathology of inflammatory genesis of the maxillofacial area.*		
1	Practical analysis of abscesses and phlegmons of the maxillofacial area: clinical topography, diagnostics, modern methods of treatment.	3
2	Clinical and research analysis of odontogenic sinusitis: etiology, pathogenesis, and modern methods of treatment.	2
3	Comparative analysis of etiology and pathogenesis of complications of odontogenic processes in the contest of evidence-based medicine.	3
4	Extirpation of the submandibular salivary gland. Complications, prognosis.	2
5	Analysis of clinical signs of neuralgia and neuropathy in the contest of evidence-based medicine.	4
***Content module 2.** Pathology of traumatic genesis of the maxillofacial area*		
6	Research analysis of specific features of clinical manifestation of mandible fractures depending on their localization.	4
7	Comparative analysis of conservative and surgical methods of treatment of zygomatic bone and arch fractures.	4
8	Assessment of the effectiveness of therapeutic and rehabilitation methods for patients with severe injuries of the maxillofacial area.	4
Module 2. Oncological dentistry of adults and children. Surgical pediatric dentistry.		
***Content module 1**. Oncological processes of the maxillofacial area: a group of adult patients.*		
9	A comprehensive analysis of clinical cases of benign tumors and cysts in the context of evidence-based medicine.	4

10	Practical modeling of current surgical and combined methods of treatment of malignant tumors of the MFA.	4
11	Assessment of the effectiveness of medical examination (dispensary) and modern schemes of patient rehabilitation after the treatment of MFA tumors	3
12	Multidisciplinary approach to planning and performing surgery for maxillofacial area neoplasms	3
***Content module 2**. Current approaches to treatment of cancer diseases of the maxillofacial area in childhood.*		
13	Comparative study of clinical signs and therapeutic strategies for benign osteogenic neoplasms	3
14	Clinical-research analysis of malignant tumors of the MFA in children: classification, diagnostics and treatment.	4
15	Modern technologies of treatment of jaw fractures in the period of alternating occlusion	3
16	Assessment of the effectiveness of multidisciplinary programs of rehabilitation of children with congenital developmental defects of the MFA	2
Module 3. Pre-prosthetic surgery of the MFA soft tissues. Dental and maxillofacial implantology. Esthetic and reconstructive-restorative surgery		
***Content module 1.** Pre-prosthetic surgery and implantology in dental practice.*		
17	A comprehensive approach to the use of CAD/CAM-constructions in the formation of oral vestibule after surgery.	4
18	Modern technologies of pre-prosthetic surgery: laser frenuloplasty and digital planning of prosthesis.	3
19	Comparative analysis of implantation materials and technologies to increase alveolar height	4
20	The use of digital protocols in planning and rehabilitation after implantation.	4
***Content module 2.** Surgery of the maxillofacial area: esthetic and restorative aspects*		
21	Modern plastic technologies with local tissues: microsurgical techniques and laser processing	4
22	The use of combined plastics methods for restoration of complicated defects	3
23	Assessment of the effectiveness of modern protocols on prevention of complications in the maxillofacial surgery.	4
24	Practical modeling of outpatient and inpatient rehabilitation programs of patients with maxillofacial deformities.	3
TOTAL		**80**

13. THEMATIC PLAN OF INDEPENDENT WORK

№	Name of the topic	Amount of hours
Module 1. Pathology of inflammatory and traumatic genesis of the maxillofacial area.		
***Content module 1**. Pathology of inflammatory genesis of the maxillofacial area.*		
1	Abscesses and phlegmons of the MFA. Clinical topography of superficial and deep cellular spaces in the maxillofacial area. Clinical symptoms of abscesses and phlegmons, diagnostics, choosing anesthesia. Surgical approaches, management of a purulent wound, pharmacological therapy. Topical pharmacological therapy of a purulent wound in the maxillofacial area at different stages of inflammatory processes. Indications for applying secondary early and late sutures.	10
2	Odontogenic sinusitis. Etiology, pathogenesis, classification, diagnostics, differential diagnostics of odontogenic and rhinogenic maxillary sinusitis. Etiology, clinical manifestation and diagnostics of perforation of the maxillary sinus floor. Plans of treatment of patients with acute and chronic odontogenic sinusitis of the maxillary sinus.	9
3	Complications of odontogenic purulent-inflammatory processes. Mediasthenitis, sepsis, phlebitis of the facial veins, thrombosis of the cavernous sinus. Clinical manifestation, diagnostics, organization and performing of surgical treatment. Oral chronic sepsis. Focal infection. Etiology, pathogenesis, diagnostics.	11
4	Diseases of the salivary glands**.** Removal of stones by means of sialodochotomy. Performing organ-preserving surgery on the salivary glands, extirpation of the mandibular salivary gland. Postoperative topical and general pharmacological treatment	11
5	Diseases of the MFA nerves, neuralgia; neuritis, neuropathy, prosopalgia. Etiology, pathogenesis, clinical signs, topical diagnostics of the lesions, treatment. Methods of assessment of pain, sensitivity disorders and vegetative-vascular disorders in patients with prosopalgia.	11
***Content module 2.** Pathology of traumatic genesis of the maxillofacial area*		
6	Injuries of the teeth and alveolar process. Dislocations and fractures of the teeth. Classification, diagnostics, treatment. Teeth replantation. Fractures of the alveolar process, classification, clinical manifestation, diagnostics, treatment. Prevention of complications. Fractures of the lower jaw,	11

	main and additional methods of examination, specific features of the clinical manifestation depending on fracture localization in different areas of the lower jaw.	
7	Le Fort fractures 1,2,3 of the upper jaw. Diagnostics of liquorrhoea, neurological symptoms, performing radiation diagnostics, transport immobilization, surgical methods of treatment. Fractures of the nasal bones: clinical signs, radiation diagnostics, giving the first, qualified and specialized aid, methods of bone reposition, intranasal tamponade, rehabilitation. Fractures of the zygomatic bone and arch: classification of zygomatic bone fractures, clinical manifestation, radiation diagnostics, conservative and surgical methods of treatment.	11
8	Early and late complications of traumatic injuries of the upper and lower jaws caused by the damage of the blood vessels, nerves, suppuration of the bone wound. Early and late complications with combined and associated injuries of the maxillofacial area combined with damages of the internal organs, brain, and skeleton. The issues of prevention of complications, patient rehabilitation.	12
Module 2. Oncological dentistry of adults and children. Surgical pediatric dentistry.		
***Content module 1**. Oncological processes of the maxillofacial area: a group of adult patients.*		
9	Benign tumors and cysts of the soft tissues of the oral cavity, maxillofacial area and neck: etiology, clinical signs, differential diagnostics, special diagnostic methods, biopsy variants, surgical methods. Benign osteogenic, non-osteogenic and odontogenic tumors of the MFA: clinical signs, differential diagnostics, special diagnostic methods, biopsy variants, surgical methods	10
10	Malignant lesions of the oral mucosa, skin, lower lip, bones of the jaws, salivary glands depending on their localization and spread. Clinical manifestation, diagnostics, differential diagnostics, surgical methods of treatment. Ways of metastases with malignant tumors of the MFA, clinical signs of metastases into the regional lymph nodes, methods of diagnostics, surgery on the regional lymph node.	12
11	Treatment of benign tumors of the soft tissues and facial bones. Indications and contraindications for performing combined and comprehensive treatment of malignant tumors of the MFA. Surgical rehabilitation methods, maxillofacial prosthesis, medical examination.	11
12	Biopsy of neoplasms, surgery planning, and surgery performing: block-like resection of the alveolar process, continuous jaw resection with simultaneous auto- or allografting, removal of benign neoplasms of the soft tissues, conducting sclerosing therapy and removal of vascular tumors. Care of the surgical wound. Developing the plans of postoperative treatment and rehabilitation of patients.	12
***Content module 2**. Current approaches to treatment of cancer diseases of the maxillofacial area in childhood.*		
13	Specific features of clinical signs and radiological image of pleomorphic and monomorphic adenoma. Specific features of the signs and surgical treatment of retention cysts of the minor salivary glands, and hourglass cysts. Diagnostics, differential diagnostics of tumors and tumor-like neoplasms of the salivary glands. Etiology, pathogenesis, clinical manifestation, diagnostics, differential diagnostics, methods of treatment of osteoma, osteoid-osteoma, osteoblastoclastoma.	10
14	Malignant tumors of the MFA in children. Classification. Etiology, pathogenesis, modern diagnostic methods. Specific features of the clinical course, pathognomonic radiological signs, differential diagnostics of malignant tumors of the soft tissues and jaws. Paraneoplastic syndrome. Primary verification of malignant tumors. Biopsy types. Principles of treatment and medical examination.	11
15	Peculiarities of fracture treatment in the period of alternating occlusion. Types of immobilization. Indications for osteosynthesis in children. Combined and associated injury of the MFA in children. Pathognomonic clinical signs of traumatic injuries of the maxillofacial tissues in children. Methods of injury diagnostics.	10
16	Congenital developmental defects of the MFA in children. Cleft lip. Short frenula of the lips and tongue. Minor vestibule. Statistics, classification, etiology, causes. Clinical manifestation, diagnostics, methods of surgical treatment. Comprehensive rehabilitation of patients. Congenital cleft palate. Statistics, classification, etiology, clinical manifestation, diagnostics, methods of surgical treatment. Comprehensive rehabilitation of children with cleft palate. Problems of feeding children with cleft palates.	10
Module 3. Pre-prosthetic surgery of the MFA soft tissues. Dental and maxillofacial implantology. Esthetic and reconstructive-restorative surgery		
***Content module 1.** Pre-prosthetic surgery and implantology in dental practice.*		
17	Surgical treatment of the oral soft tissues: plastics of the frenula of the tongue and lips, removal of scar tissue, variants of open and closed vestibulopasty. Formation of the oral vestibule in the postoperative period with removable and non-removable structures.	12

18	Pre-prosthetic surgery of the oral soft tissues. Pre-prosthetic surgery of the upper and lower jaws. Indications to create conditions for further prosthesis of the oral cavity with the help of partially removable and completely removable prostheses by means of removal of scars, vestibular augmentation, frenuloplasty. Indications to perform the formation of correct outlines of the alveolar process, hard palate, removal of protrusions, osteophytes, exostoses of the jaws, creation of the inter-alveolar height.	11
19	Methods to create adequate conditions to implant an intraosseous part of the graft by means of sinus lifting and augmentation. Implantation materials, instruments and equipment for increasing the alveolar height.	12
20	Preparation of a patient to surgery: professional hygiene, planning dental implantation surgery. Assistance and independent performing surgery on dental implantation, installation of clear cuff mold, head of the graft, postoperative management of the wound. Treatment of peri-implantitis.	9
Content module 2. *Surgery of the maxillofacial area: esthetic and restorative aspects*		
21	Plastic surgery with local tissues. Variants of plastic surgery with local tissues: approximation of wound edges, plastic surgery according to Szymanowski, triangular flaps according to Limberg, possibilities of replacing defects using a flap on a pedicle: on a single pedicle, flip-over, doubled, arterialized, indications and contraindications for replacing defects using the Filatov's stem, methods of forming flaps, stages of movement, treatment terms. Comparative characteristics.	9
22	Surgery on defect replacement by means of plastics with local tissues: approximation of wound edges, plastic surgery according to Szymanowski, triangular flaps according to Limberg, possibilities of replacing defects using a flap on a pedicle: on a single pedicle, flip-over, doubled, arterialized. Postoperative management of the wound.	12
23	Classification of deformities of the lower and upper jaws, etiology, clinical signs, possibilities of special and additional methods of examination, surgical methods used on different portions of the lower and upper jaws, complications, prevention of complications, errors of surgical treatment, early and late complications of the surgery performed.	11
24	Medical rehabilitation of patients with congenital and acquired defects and deformities of the face in outpatient and inpatient departments, making dental and maxillofacial prostheses.	10
TOTAL		**260**

14. LIST OF INDIVIDUAL TASKS

Not provided by the Curriculum

15. TASKS FOR INDEPENDENT WORK

The tasks are defined by a teacher individually for every learner according to the topic and purpose of his/her scientific research.

16. METHODS AND FORMS OF TESTING

16.1. Form, procedure, methodology, and assessment criteria of current learning activities.

Current testing includes oral question-answer activities, analysis of clinical cases, doing practical tasks and work at the hospital under the supervision of a scientific advisor.

Methods of current testing:

- *traditional question-answer activities* — a lecturer asks learners orally and is able to assess the level of knowledge and communicative skills;
- *«chain asking» method* - one learner answers, another one adds or completes the answer.

Assessment criteria of the current testing of knowledge and skills of learners while study the module

25 points (*excellent*). The learner demonstrates deep systemic knowledge, complete awareness of the material, modern research methods and scientific approaches. The answers are confident and reasoned with arguments. The learner demonstrates a high level of competence and self-determination, is able to apply knowledge in new conditions, and possesses his/her own scientific ideas.

20 points (*good*). The learner has sufficient knowledge for understanding and applying the material studied, although certain inaccuracies are possible. Practical skills are on an average level, the answers are correct in general, but not always complete, independence in practical situations is limited.

15 points (*satisfactory*). Knowledge is fragmentary, with significant gaps in theory or methods applied. Practical tasks are performed with prompts. The learner demonstrates superficial understanding and requires continuous control and correction.

0 point (*poor*). Knowledge is insufficient. The learner does not possess basic notions and skills. Practical tasks are not completed correctly or not done at all. There is no a minimal level of competence. Repeated study of the material and additional supervision are necessary.

Testing of independent work. Independent work assumes performing of different types of tasks focused on obtaining new knowledge, its systematizing and generalization; formation of practical abilities and skills; control of learners' readiness to practical classes and tests.

16.2. Form, procedure, methodology, and assessment criteria of individual work.

Not provided by the Curriculum

16.3. Terms for admission to the final test.

Final test (credit test) is held on completion of all the topics included in the Module during the last class of the Module.

Learners who completed all types of work assumed by the Curriculum and who have scored at least the minimum number of points in the studied module - 120 points - are allowed to take the credit test.

16.4. Form, procedure, methodology, and assessment criteria of the final module test.

At the last class, the group tutor/supervisor announces a total sum of points that the learner has scored by the results of the current testing.

The results of passing the test are estimated on a two-point scale: «passed», «failed».

The grade «*passed*» is obtained when the learner completed all the types of work assumed by the Curriculum, attended all the classes (including lectures and practical classes) according to the thematic plan on the discipline (in case of some missed classes all of them are made up for in time), and who has scored at least the minimum number of points in the studied module - 120 points.

The grade «*failed*» is obtained when the learner have missed some classes and have not made them up for (including seminar and lectures) and the current score is less than the minimal one.

17. HE LIST OF QUESTIONS FOR THE FINAL MODULE TEST (CREDIT TEST)

17.1 The list of theoretical questions for the final module test.

Not provided by the Curriculum

17.2 The list of practical skills for the final module test.

Not provided by the Curriculum

18. SCORE CALCULATION AND DISTRIBUTION.

The grade for the academic discipline is determined as the sum of the grades for current academic activity (in points) obtained at each seminar session on the corresponding topic and the number of points for completing individual tasks by the higher education learner.

Maximum score that the learner can obtain while studying the discipline is 200 points including:

- for the current educational activity – 200 points;

Minimum score that the learner can obtain while studying the discipline is 120 points including:

- for the current educational activity – 120 points;

The following system is used to convert traditional grades into points:

Module number indicating the amount of hours/ ECTS credits	Amount of the content modules, their numbers	Amount of practical classes	Converting traditional grades into points					Minimum score
			Traditional scale				Score for individual task	
			«5»	«4»	«3»	«2»		
Module 1, 120/4	2 №№1-2	8	25	20	15	0	0	120
Module 2, 120/4	2 №№ 1-2	8	25	20	15	0	0	120
Module 3, 120/4	2 №№ 1-2	8	25	20	15	0	0	120

Maximum score that the learner is able to obtain for each Module is 200 points.

It is calculated by multiplying the number of points corresponding to a grade «5» by the number of topics in the Module: 25x8=200.

Maximum score that the learner is able to obtain for each Module is calculated by multiplying the number of points corresponding to a grade «3» by the number of topics in the Module: 15x8=120.

When assessing the mastering of each topic, the learner obtains grades on a four-point (traditional) scale and on a 200-point scale using accepted and approved assessment criteria for the academic discipline.

Converting traditional grades into ECTS score*:*

Score on a 200-points scale	Traditional 4-point scale
From 180 to 200 points	«5»
From 150 to 179 points	«4»
From 120 to 149 points	«3»
Lower than the minimum score 120 points	«2»

19. RECOMMENDED LITERATURE

19.1. BASIC LITERATURE:

1. Тимофєєв О.О. Хірургічна стоматологія та щелепно-лицева хірургія: у 3 т. – Київ: ВСВ "Медицина", 2024. – Т. 1–3.
2. Тимофєєв О.О. Щелепно-лицева хірургія: підручник / О.О. Тимофєєв. - 3-тє вид., переробл. та доповн. – Київ: ВСВ "Медицина", 2022. - 792 с. + 48 с. кольор. вкл.
3. Newman M.G., Takei H.H., Klokkevold P.R., Elangovan S. Carranza's Clinical Periodontology and Implantology. – 14th ed. – Philadelphia: Elsevier, 2024. - 1080 p.
4. Peterson L.J., Ellis E., Hupp J.R., Tucker M.R. Contemporary Oral and Maxillofacial Surgery. - 7th ed. – St. Louis: Elsevier, 2022. – 850 p.
5. Лісовський П., Савчук О., Лісовська Ю. Воєнна стоматологія: балістично-ранова, щелепно-лицева хірургія та міжвідомчо-лікарська експертиза. Київ: Ліра-К, 2024. - 236 с.

19.2 ADDITIONAL LITERATURE.

1. Fonseca R.J. Oral and Maxillofacial Surgery. – 3rd ed. – St. Louis: Elsevier, 2018. - Vol. 1-3.
2. Півторак В.І. Короткий курс клінічної анатомії та оперативної хірургії: навчальний посібник. / В.І. Півторак, О.Б. Кобзар, Ю.Г. Шевчук. - Вінниця: Нова Книга; 2019. 224 с.
3. Оперативна хірургія і топографічна анатомія голови та шиї: підручник. / В.І. Півторак, О.М. Проніна, Ю.М. Вовк та ін.; за ред. Професорів: В.І. Півторака, О.М. Проніної. - Вінниця: Нова Книга; 2016. 312 с.
4. Невідкладні стани у стоматологічній практиці: [навч. посібник для лікарів-інтернів і лікарів-курсантів закл. (факульт.) післядипломної освіти] / І.М. Скрипник, П.М. Скрипников, Л.Я. Богашова, О.Ф. Гопко.-К.: ВСВ Медицина, 2013.-224 с.
5. Михайличенко Б.В., Біляков А.М., Франчук В.В. Судова стоматологія. – Київ: Книга-плюс, 2023. – 412 с.
6. Bagheri S.C., Bell R.B., Khan H.A. Current Therapy in Oral and Maxillofacial Surgery. – Elsevier, 2019.
7. Miloro M., Ghali G.E., Larsen P., Waite P. Peterson's Principles of Oral and Maxillofacial Surgery. – 3rd ed. – PMPH USA, 2021.
8. Chiapasco M., Casentini P., Zaniboni M. Implantology. – Milan: Quintessence Publishing, 2019. – 512 p.
9. H.S. Kang et al. Oncologic Imaging Bone Tumors. Springer Science+Business Media Singapore; 2017:21-4
10. Joaquín J. García. Atlas of Salivary Gland Pathology. Springer International Publishing AG, part of Springer Nature;2019.209 p.
11. EI-Naggar AK., Chan J.K.C., G randis J.R., Takata T., Slootweg P. J. (Eds): WHO Classification of Head and Neck Tumours (4th edition). IA RC: Lyon. 2017.347 p.
12. Swerdlow SH, Campo E, Harris NL, Jaffe ES, Pileri SA, Stein H, Thiele J (Eds): WHO Classification of Tumours of Haematopoietic and Lymphoid Tissues (4th edition). IARC: Lyon 2017.585p.
13. Elder DE, Massi D, Scolyer RA, Willemze R (Eds): WHO Classification of Scin Tumours (4th edition). IA RC: Lyon 2018.500 p.
14. Neville BW. et al., Color Atlas of Oral and Maxillofacial Diseases. Elsevier. 2019.534 p.
15. Neville BW. et al., Oral and Maxillofacial Pathology, (4th edition) Elsevier. 2016.878 p.
16. Yoshida T, Masaki C, Komai H, Misumi S, Mukaibo T, Kondo Y, Nakamoto T, Hosokawa R. Changes in oral health-related quality of life during implant treatment in partially edentulous patients: a prospective study. J Prosthodont Res. 2016; 258−264.
17. Walia K, Belldi SA, Kulkarni P, Darak P, Swamy S. A comparative and a qualitative analysis of patientâs motivations, expectations and satisfaction with dental implants. J Clin Diagn Res. 2016;10 (4):23−26.
18. Ayoub F, Fares Y, Fares J. The psychological attitude of patients toward health practitioners in lebanon. N Am Med Sci. 2015 Oct;7 (10):452−458.
19. Schneider A, Andrade J, Tanja-Dijkstra K, White M, Moles Dr. The psychological cycle behind dental appointment attendance: a cross-sectional study of experiences, anticipations, and behavioral

intentions. Community Dental Oral Epidemiol. 2016; 44 (4):364−370.

19.3 INFORMATION RESOURCES

1. https://moz.gov.ua/ – МОЗ України.
2. http://mon.gov.ua/ – МОН України.
3. http://www.who.int/ – Всесвітня організація охорони здоров'я.
4. https://library.gov.ua/ – Національна наукова медична бібліотека України; головний спеціалізований бібліотечно-інформаційний центр у сфері медицини та охорони здоров'я в Україні.
5. http://www.nbuv.gov.ua/ – Національна бібліотека України ім. В.І. Вернадського; головна наукова бібліотека держави та найбільше книгосховище України; виконує роль національного інформаційного центру, забезпечує доступ до знань і координує розвиток бібліотечної науки та інфраструктури.
6. https://nlu.org.ua – Національна бібліотека ім. Я. Мудрого одна з найбільших і найстаріших книгозбірень України, провідний державний культурно-інформаційний центр.
7. https://www.scopus.com/ – міжнародна бібліографічна та реферативна база даних наукової літератури, яка належить компанії Elsevier. Є однією з найбільших у світі систем для пошуку, аналізу та оцінки наукових публікацій бібліографічна та реферативна база даних наукової літератури.
8. http://webofscience.com/ – платформа Web of Science; міжнародна науково-інформаційна платформа, яка забезпечує доступ до найавторитетніших наукових публікацій та баз даних цитувань у світі. Використовується для пошуку статей, аналізу наукових журналів, відстеження цитувань і оцінки наукової продуктивності дослідників та установ.
9. http://www.sciencedirect.com/ – бібліографічно-реферативна та повнотекстова база наукового видавництва Elsevir; одна з найбільших у світі платформ для доступу до сучасної наукової літератури, особливо у сфері медицини, біології, техніки та соціальних наук.
10. https://www.clinicalkey.com/ – база сучасних підручників і журналів з OMFS та стоматології. Дає можливість швидко знаходити актуальні клінічні протоколи та наукові статті.
11. http://opendoar.org/ – пошук достовірної наукової інформації у відкритих репозитаріях у всьому світі, який підтримується службою SHERPA Університету Ноттінгема.
12. https://www.research4life.org/ – академічний і професійний контент для країн, що розвиваються.
13. http://worldwidescience.org/ – глобальна наукова пошукова система, яка забезпечує одночасний доступ до наукових баз даних та порталів різних країн світу.
14. http://www.wileyopenaccess.com/ – наукове видавництво John Wiley & Sons, Inc. видавничий проєкт компанії John Wiley & Sons, Inc., який забезпечує публікацію наукових статей у форматі відкритого доступу. Всі опубліковані матеріали можна читати, завантажувати та поширювати безкоштовно, що сприяє глобальній науковій комунікації.
15. https://ohi-s.com/free/oral-and-maxillofacial-surgery/ – безкоштовні онлайн-курси та клінічні відео з щелепно-лицевої хірургії. Дає доступ до практичних демонстрацій операцій та сучасних методик лікування.
16. https://archive.org/details/oralmaxillofacia0002unse – повнотекстове видання Oral and Maxillofacial Surgery (Elsevier). Корисне для самостійного опрацювання базових знань та порівняння міжнародних протоколів.
17. https://link.springer.com/book/10.1007/978-981-15-1346-6 – книга Oral and Maxillofacial Surgery for the Clinician. Містить огляди доказової літератури та відеооперації, що допомагають інтегрувати теорію з практикою.
18. https://www.quintessence-publishing.com/ – міжнародне видавництво з імплантології, реконструктивної хірургії та пародонтології. Забезпечує доступ до сучасних монографій і журналів для наукової роботи.
19. http://www.morphology.dp.ua – науково-практичний журнал «Актуальні проблеми сучасної медицини».
20. https://medpers.dmu.edu.ua/uk/ – науковий журнал ДДМУ «Медичні перспективи».
21. http://pat.zsmu.edu.ua/index – науково-практичний журнал «Патологія».
22. https://art-of-medicine.ifnmu.edu.ua/index.php/aom – науково-практичний журнал «Art of medicine».
23. https://visnyk-umsa.com.ua/ – науково-практичний журнал «Актуальні проблеми сучасної медицини: Вісник Української медичної стоматологічної академії».
24. https://ifnmujournal.com – науково-практичний журнал «Архів клінічної медицини».
25. https://reports-vnmedical.com.ua/ – науково-практичний журнал «Вісник Вінницького національного медичного університету».
26. https://vpbm.com.ua/ua/ – науково-практичний журнал «Вісник проблем біології і медицини».
27. http://www.visnyk.od.ua/ – науково-практичний журнал «Вісник стоматології».
28. https://jicindex.com – науково-практичний журнал «Галицький лікарський вісник».

29. https://ecm.knmu.edu.ua/ – науково-практичний журнал «Експериментальна і клінічна медицина».
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