

MINISTRY OF HEALTH OF UKRAINE
KHARKIV NATIONAL MEDICAL UNIVERSITY



EDUCATIONAL AND PROFESSIONAL PROGRAMME

‘Dentistry’

the second (Master) level of higher education

subject area 221 ‘Dentistry’

field of study 22 ‘Health’

Educational qualification: Master of Dentistry

Professional qualification: Dental practitioner

APPROVED BY THE SCIENTIFIC COUNCIL OF KhNMU
(Minutes of the 6th meeting held on 21st June, 2024)

The Programme comes into force on 1st September, 2024
(Order of KhNMU No. 133 dated 28th June, 2024)

CHANGES APPROVED BY THE SCIENTIFIC COUNCIL OF KhNMU
(Minutes of the 8th meeting held on 19th June, 2025)

Changes in the Programme come into force on 1st September, 2025
(Order of KhNMU No. 150 dated 20th June, 2025)

FOREWORD

Educational and professional study programme ‘Dentistry’ (hereinafter, “the Programme”) of the Kharkiv National Medical University (hereinafter, “the University”) is the core regulatory document that sets out the competencies, qualifications, and the organisational, academic, and methodological requirements for the training of students at the Master’s level of higher education for the field of study 22 ‘Health’, subject area 221 ‘Dentistry’.

This Programme is fully aligned with the regulations of current legislation, Higher Education Standard, approved by the Order of the Ministry of Education and Science of Ukraine No. 879 dated 24.06.2019 ‘About approval of the Higher Education Standard for the subject area 221 ‘Dentistry’ for the second (Master’s) level of higher education’, and entered into force from the 2019/2020 academic year (with changes according to the Order of the Ministry of Education and Science of Ukraine No. 593 dated 28.05.2021 ‘On amendments to certain standards of Higher Education’ and the Order of the Ministry of Education and Science of Ukraine No. 842 dated 13.06.2024 ‘On amendments to certain standards of Higher Education’.

Developed by the project group consisting of:

Ihor Yanishen – Doctor of Medical Sciences, Professor, Head of the Department of Orthopedic Dentistry, Head of the Project Group (Guarantor of the Educational and Professional Program);

Liudmyla Kryvenko – Doctor of Medical Sciences, Professor at the Department of Pediatric Dentistry and Implantology;

Yuliia Yaroslavska – Candidate of Medical Sciences, Associate Professor at the Department of Pediatric Dentistry and Implantology;

Olha Liubchenko – Doctor of Medical Sciences, Professor, Head of the Department of Therapeutic Dentistry;

Olena Andrieieva – Candidate of Medical Sciences, Associate Professor at the Department of Therapeutic Dentistry;

Maryna Storozheva – Candidate of Medical Sciences, Associate Professor at the Department of Surgical Dentistry;

Olha Sidorova – Candidate of Medical Sciences, Lecturer at the Department of Orthopedic Dentistry;

Olena Fedotova – Candidate of Medical Sciences, Associate Professor at the Department of Orthopedic Dentistry;

Alina Hryhorova – Doctor of Medical Sciences, Professor, Head of the Department of Pediatric Dentistry and Implantology;

Tetiana Tomilina – Candidate of Medical Sciences, Associate Professor at the Department of Dentistry, Dean of the Faculty of Dentistry.

Stakeholders Involved in the Project Group Activities:

Maryna Yashchenko – Candidate of Medical Sciences, Associate Professor at the Department of Otorhinolaryngology;

Volodymyr Piatykop – Doctor of Medical Sciences, Professor, Head of the Department of Neurosurgery;

Maryna Biriukova – Candidate of Medical Sciences, Associate Professor at the Department of Dentistry, Director of the KNMU University Dental Center;

Roman Kuznietsov – Candidate of Medical Sciences, Associate Professor, Chief Physician of the “Silk-2016” Dental Clinic (by agreement);

Nataliia Khlystun – Candidate of Medical Sciences, Chief Physician of the “IE (Individual Entrepreneur) Khlystun N.L.” Dental Clinic (by agreement);

Viktor Liubyi – Candidate of Medical Sciences, Director of the Municipal Non-Profit Enterprise “City Dental Polyclinic No. 4” of the Kharkiv City Council (by agreement);

Yelyzaveta Kostenko – Head of the Student Government of the Faculty of Dentistry;

Yaroslav Prokhorovych – Head of the Trade Union Bureau of the Faculty of Dentistry;

Yehor Zubenko – Higher education student of the 2nd Medical Faculty, 2nd year, Group 2, Deputy Head of the Education Quality Assessment Sector of the “KhNMU Student Government” NGO.

1. Educational and Professional Programme Profile

1 – General information	
Title of the Educational Programme	Dentistry
Type of the Educational programme	Educational and Professional
Higher education level	Second (Master) level
Qualification Level/Cycle	NQF – level 7, EQF – level 7, QF-EHEA – second cycle
Field of study	22 Health
Subject area	221 Dentistry
Specialization	-
Educational qualification	Master of Dentistry
Professional qualification	Dental practitioner
Procedure for awarding professional qualification	Professional qualification is awarded in accordance with the Procedure for Awarding Professional Qualifications at KhNMU
Diploma qualification	Higher education degree – Master’s degree Subject area – 221 Dentistry Educational programme – Dentistry Professional qualification – Dental practitioner
Diploma type	Master diploma, single
Number of ECTS credits required to complete the educational programme	300 ECTS credits The University reserves the right to recognize and transfer no more than 30 ECTS credits earned within a previous study programme for individuals who have obtained a qualification at NQF Level 5 (the educational-qualification level of Junior Specialist, or Professional Junior Bachelor and Junior Bachelor degrees) in specialty 221 ‘Dentistry’.
Form of study	Full-time
Estimated length of studies	4 years 10 month
Availability of accreditation	Accredited by National Agency for Higher Education Quality Assurance (Ukraine). Certificate No. 1359 valid until 01.07.2026
Programme validity period	From 2025 until next review
Academic criteria for admission to educational programme	Admission based on full general secondary education, Junior Bachelor and Professional Junior Bachelor degrees, or the educational-qualification level of Junior Specialist in specialty 221 ‘Dentistry’.
Language(s) of instruction	Ukrainian, English
Educational programme URL	https://knmu.edu.ua/program-catalog/stomatologiya-magistr-2024/

2 – Aim of the study programme	
To provide academic training in fundamental and clinical biomedical sciences and to prepare graduates for professional practice as a dentist in the relevant primary position through the acquisition of general and special competencies, the creation of educational and scientific values in the field of healthcare, and the promotion of health development in accordance with the needs and trends of modern social development and the socio-economic situation.	
3 – Characteristics of the study programme	
Subject area (field of study, subject area, specialization)	<p>22 ‘Health’ 221 ‘Dentistry’</p> <p>Object of activity: health preservation, in particular dental health, prevention, diagnostics, and treatment of human dental diseases.</p> <p>Learning objectives: training of a specialist capable of solving complex tasks and problems in the field of dentistry and healthcare or in the learning process, characterized by uncertainty of conditions and requirements, and performing professional activities of a dentist.</p> <p>Theoretical content of the subject area: knowledge of humanitarian, fundamental (natural and social), and clinical sciences regarding public health protection, prevention, diagnostics, and treatment of human dental diseases at the individual, family, and population levels, necessary for the professional activity of a dentist.</p> <p>Methods, techniques, and technologies: anamnestic, clinical, laboratory, radiological, and functional methods of diagnostics, treatment, and prevention of dental diseases, management and organization of work in the healthcare sector.</p> <p>Tools and equipment: modern diagnostic and treatment tools, items, and devices for professional activities.</p>
Programme features	Integration of modern dental technologies and an interdisciplinary approach, specifically through the application of simulation and digital technologies and phantoms during theoretical and practical training; early practical specialization, and an emphasis on the personalization of dental care. The opportunity to study in English.
4 – Employability and further education of graduates	
Employability of graduates	<p>Upon completion of the Professional Study Master’s Programme ‘Dentistry’, the specialist is qualified to perform the following professional roles: Medical Intern (Occupational Code – 3229).</p> <p>Employment in relevant physician positions in healthcare facilities after completing an internship (specialization) in the respective medical specialty.</p>
Academic rights of graduates	<p>For further professional training in the specialty, a dentist must enroll in postgraduate education programs where training is conducted according to dental-profile educational programs.</p> <p>Continuing education at the third (educational-scientific) level of higher education.</p> <p>Acquisition of additional qualifications within the postgraduate education system.</p>
5 – Teaching and assessment	
Teaching and learning	<p>Approaches: student-centered, person-centered, competence-based, practice-oriented, e-learning, simulation-based learning, learning through practice, and self-directed learning.</p> <p>Forms: training sessions (lectures, practicals, seminars, and consultations), independent work, practical training, completion of individual assignments, and</p>

	<p>assessment measures.</p> <p>Methods: lecture, storytelling, briefing, conversation, discussion, practice, business and role-playing games, situational exercise solving, case method, problem-based method, creative search, etc.</p>
Assessment	<p>Forms of control measures: oral examination (questioning), testing, demonstration of practical skills, practical training reports, oral/written credit tests, differentiated credit tests and examinations, certification, etc.</p> <p>Assessment: 4-point ('excellent', 'good', 'satisfactory', 'unsatisfactory'), 200-point rating and 2-point ('passed', 'failed') scales are used.</p>
6 – Programme competencies	
Integral competency	<p>Ability to cope with difficult tasks and problems in the field of health care in speciality "Dentistry" in the professional activity or during the process of training, the above providing researches and/or innovations and being characterized by indefinite conditions and demands.</p>
General competencies (GC)	<p>GC 1. Capacity for abstract thinking, analysis and synthesis.</p> <p>GC 2. Knowledge and understanding of the subject category and understanding of the professional activity.</p> <p>GC 3. Capacity for using knowledge in practical activity.</p> <p>GC 4. Capacity for communicating in the state language both in the oral and written forms.</p> <p>GC 5. Capacity for communicating in the English language.</p> <p>GC 6. Skills of using informative and communicative technologies.</p> <p>GC 7. Capacity for searching, processing and analysing information from different sources.</p> <p>GC 8. Capacity for adapting and acting in a new situation.</p> <p>GC 9. Ability to reveal, define and solve problems.</p> <p>GC 10. Capacity for being critical and self-critical.</p> <p>GC 11. Capacity for working in a team.</p> <p>GC 12. Commitment to environmental conservation.</p> <p>GC 13. Capacity for acting in the socially responsible and conscious way.</p> <p>GC 14. Capacity for realizing one's rights and duties as a member of the society, recognizing values of the civil (free democratic) society and necessity of its sustainable development, the supremacy of the law, human and civil rights and freedoms in Ukraine.</p> <p>GC 15. Capacity for preserving and augmenting moral, cultural and scientific values and achievements of the society on the basis of understanding of the history and laws of development of the subject field, its place in the general system of knowledge about the nature and society and in the development of the society, engineering and technologies, using different kinds and forms of motor activity for active rest and leading a healthy lifestyle.</p> <p>GC 16. The ability to make decisions and act while adhering to the principle of zero tolerance for corruption and any other manifestations of misconduct.</p>
Special (professional, subject-specific) competencies (PC)	<p>PC 1. Capacity for collecting medical information about the patient and analyzing clinical data.</p> <p>PC 2. Capacity for interpreting results of laboratory and instrumental examinations.</p> <p>PC 3. Capacity for diagnosing: making an initial, clinical, final and secondary diagnosis and detecting medical emergencies.</p> <p>PC 4. Capacity for planning and carrying out measures for preventing diseases of organs and tissues in the oral cavity and maxillofacial region.</p> <p>PC 5. Capacity for designing the process of giving the first medical aid: defining</p>

	<p>approaches, plan, kinds and principles of treatment of organs and tissues in the oral cavity and maxillofacial region.</p> <p>PC 6. Capacity for determining the rational mode of work and rest and the diet for patients in treatment of diseases of organs and tissues in the oral cavity and maxillofacial region.</p> <p>PC 7. Capacity for choosing tactics for management of patients with diseases of organs and tissues in the oral cavity and maxillofacial region with concurrent somatic diseases.</p> <p>PC 8. Capacity for carrying out medical and dental manipulations.</p> <p>PC 9. Capacity for proving treatment of major diseases of organs and tissues in the oral cavity and maxillofacial region.</p> <p>PC 10. Capacity for organizing and carrying out medical and evacuation measures.</p> <p>PC 11. Capacity for choosing the tactics and methods of emergency medical aid and its provision.</p> <p>PC 12. Capacity for organizing and conducting a screening examination in dentistry.</p> <p>PC 13. Capacity for assessing environmental effects on the state of human health (in individuals, families and populations).</p> <p>PC 14. Capacity for keeping regulatory medical documents.</p> <p>PC 15. Processing of state, social and medical information.</p> <p>PC 16. Capacity for organizing and carrying out rehabilitative measures and care of patients with diseases of organs in their oral cavity and maxillofacial region.</p> <p>PC 17. Capacity for legal support of one's own professional activity.</p> <p>PC 18. Capacity for providing premedical care under protocols of tactic medicine.</p>
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7 – Programme learning outcomes

- PLO 1. To isolate and identify leading clinical symptoms, signs and syndromes (by List 1); to make a probable nosological or initial syndromic clinical diagnosis of a dental disease according to standard methods on the basis of preliminary data of the patient's anamnesis, those of his/her examination and knowledge of the human being, human organs and systems (by List 2).
- PLO 2. To collect information about the patient's general state, to assess the psychomotor and physical development of the patient, the state of organs in the patient's maxillofacial region, to assess information concerning the diagnosis on the basis of results of laboratory and instrumental methods of examination (by List 5).
- PLO 3. To prescribe and analyse additional (compulsory and by choice; laboratory, radiological, functional and/or instrumental) methods of examination (by List 5) for patients with diseases of organs and tissues in their oral cavity and maxillofacial region for making a differential diagnosis of these diseases (by List 2).
- PLO 4. To define the final clinical diagnosis observing proper ethical and legal regulations by means of making a sound judgement and a logical analysis of available subjective and objective data of clinical and additional examinations and differential diagnosis under the control of the leading doctor in conditions of a medical institution (by List 2.1).
- PLO 5. To diagnose urgent states in any situations (at home, outdoors, at medical institution), in conditions of an emergency, martial law, lack of information and limited time (by List 4).
- PLO 6. To plan and implement measures of prophylaxis of dental diseases in population in order to prevent spreading of dental diseases.
- PLO 7. To analyse the epidemiological state and carry out measures for mass and individual, general and local pharmacological and nonpharmacological prophylaxis of dental diseases.
- PLO 8. To determine the approach, plan, kind and principle of treatment of a dental disease (by List 2) by making a sound judgement in compliance with current algorithms and standard schemes.
- PLO 9. To determine the character of the mode of work and rest and the necessary diet in treatment of

dental diseases (by List 2) on the basis of an initial or final clinical diagnosis by making a sound judgement in compliance with current algorithms and standard schemes.

PLO 10. To determine the tactics of managing a dental patient with somatic pathology (by List 3) by making a sound judgement in compliance with current algorithms and standard schemes.

PLO 11. To provide treatment of major dental diseases in compliance with current algorithms and standard schemes under the control of the leading doctor in conditions of a medical institution (by List 2.1).

PLO 12. To organize taking of medical and evacuation measures for population, military personnel, in conditions of an emergency, including martial law, during full-fledged stages of medical evacuation with consideration of the current system of medical and evacuation support.

PLO 13. To determine the tactics for giving emergency medical aid with use of recommended algorithms in any conditions on the basis of the diagnosis of a medical emergency in conditions of limited time (by List 4).

PLO 14. To analyse and assess state, social and medical information using standard processes and computer information technologies.

PLO 15. To assess environmental effects on the state of human health in conditions of a medical institution according to standard procedures.

PLO 16. To form aims and determine structure of one's activity on the basis of the result of analysis of certain social and personal needs.

PLO 17. To lead a healthy lifestyle, to use techniques of self-regulation and selfcontrol.

PLO 18. To recognize and be guided in one's activity by civil rights, freedoms and duties, to increase one's educational and cultural level.

PLO 19. To comply with requirements of ethics, bioethics and deontology in one's professional activity.

PLO 20. To organize the required level of the individual safety (of one's own and people under care) in case of appearance of typical dangerous situations in the individual sphere of activity.

PLO 21. To carry out medical manipulations on the basis of the initial and/or final clinical diagnosis (by Lists 2, 2.1) for different segments of the population and in different conditions (by List 6).

PLO 22. To carry out dental manipulations on the basis of the initial and/or final clinical diagnosis (by Lists 2, 2.1) for different segments of the population and in different conditions (by List 7).

PLO 23. To carry out manipulations for giving medical aid with use of standard schemes in any conditions on the basis of diagnosis of a medical emergency (by List 4) in conditions of limited time (by Lists 6,7).

8 – Resource provision for the implementation of the programme

Staffing	Meets the staff requirements for conducting educational activities at the second (Master) level of higher education and the study programme, that provides for the qualification in professions for which additional regulation has been introduced, established by the Resolution of the Cabinet of Ministers of Ukraine No. 1187 dated December 30, 2015 'On Approval of Licensing Conditions for Educational Activities of Educational Institutions' (as amended). Head of Programme: Doctor of Medical Science, Professor.
Material and technical support	The provision of educational premises for the respective departments, computer workstations, and multimedia equipment complies with the Licensing Conditions for Educational Activities, approved by Resolution of the Cabinet of Ministers of Ukraine No. 1187, dated December 30, 2015 (as amended). The university maintains 7 civil defence shelters certified by the State Emergency Service of Ukraine (SESU). Clinical training facilities are fully available for practical education. The university operates a comprehensive network of specialized facilities, including: 'University Hospital' branch; Research Institute of Experimental and Clinical Medicine of KhNMU; Scientific and Practical Center for Preclinical and Clinical Research; Central Research Laboratory and the Experimental Biological Clinic; Problem-Based Research Laboratories; Tactical

	<p>Medicine Training Center; Simulation Center, 3D Technology Center and Distance Learning Center of the Educational and Scientific Institute of Education Quality; Gender Education Center; Professor V.D. Otamanovskyi Center for Medical History; ‘Museum of Medicine’ complex; 4 Educational, Scientific, and Production Associations.</p> <p>KhNMU maintains 32 local area networks (LANs) and 55 wireless access points (Wi-Fi). The network and communication infrastructure are entirely based on fiber-optic technologies with data transfer speeds of up to 1 Gbps. There are 22 computer labs available for student use. Internet access is free of charge and unlimited for all students.</p> <p>All necessary social and living infrastructure is provided, including guaranteed students’ accommodation in university dormitories.</p> <p>University buildings and educational premises are fully equipped to ensure barrier-free access for persons with disabilities and other mobile-impaired groups.</p>
<p>Informational and methodological support</p>	<p>Information and educational-methodological support is carried out through the university's official website (https://knmu.edu.ua/), the Scientific Library, and the system of resources for distance and blended learning and ASU.</p> <p>The KhNMU Scientific Library has its own website http://libr.knmu.edu.ua, which serves as a convenient access point to various information resources of an educational and scientific nature, including:</p> <p>Internal Resources:</p> <ul style="list-style-type: none"> - KhNMU Repository – the university’s main electronic archive and the first among medical higher education institutions (HEIs) in Ukraine to offer free access to educational, methodological, and scientific materials. It contains 32.5 thousand full-text documents, including over 3 thousand educational-methodological and lecture materials. The inclusion of these materials in the Repository provides students with the opportunity for self-study in 24/7 mode. - Professional-oriented e-content (FOeK): a web index with links to the full texts of educational and scientific book publications from the repositories of HEIs and scientific institutions of Ukraine (3,256 titles). - Electronic Catalog: contains over 330 thousand bibliographic descriptions, including over 11 thousand links to full texts (textbooks, educational-methodological literature, congress and conference materials, periodicals, etc.). Problem-oriented databases have been created and are constantly updated, particularly in the main areas of the university's scientific research. <p>External Resources:</p> <ul style="list-style-type: none"> - Access to Databases: particularly those of a medico-biological profile, including PubMed, Medline, Cochrane Library, DOAJ, Open J-Gate, BioOne, etc. - Access to Citation Databases: Scopus and Web of Science. - Access to Educational and Scientific Resources of 30 International Companies: within the new collection “Current Resources in Support of Ukrainian Educators and Researchers in Wartime”, which includes AMBOSS, ScienceDirect, Springer, BMJ Best Practice and BMJ Learning, CAPSULE, EBSCO Health, Coursera, CASUS, etc. - Access to Specialized Collections: including “Academic Integrity”, “Soft Skills Development”, “Open Educational Resources”, “Open Journals”, “Resources on the History of Ukraine, Ukrainian Language, and Literature”, and others. <p>During martial law in Ukraine, the KhNMU Scientific Library operates in a blended format, serving users both at physical workstations and remotely.</p> <p>The system of technological solutions and resources for ensuring the educational process includes relevant online resources and platforms: Moodle, corporate</p>

	Google Workspace with its services, MS Teams, ASU, etc. The Distance Learning Center functions to coordinate and support the educational process, particularly in synchronous mode using distance learning technologies and hybrid classes.
9 – Academic mobility	
National credit mobility	National credit mobility is carried out in accordance with the Law of Ukraine ‘On higher education’ and agreements between educational institutions with the possibility of credit transfer.
International credit mobility	International credit mobility is carried out in accordance with the Law of Ukraine “On higher education” and agreements between educational institutions with the possibility of credit transfer. The University’s partner institutions include: Medical University of Warsaw (Poland); Biruni and Çukurova Universities (Turkey); Vilnius University (Lithuania); New Vision University (Georgia); among others.
International student admission	Within the licensed scope of the subject area.

2. List of educational components of the study programme and their logical sequence

2.1. List of educational components of the educational programme

Component code	Educational components (subjects, courseworks, practical trainings, degree project)	Number of ECTS credits	Form of final control
Compulsory components (CC)			
CC 1	Ukrainian Language for Professional Purposes	3	Credit
CC 2	Foreign Language (including for Professional Purposes)	4	Graded Credit
CC 3	Latin Language and Medical Terminology	3	Graded Credit
CC 4	Medical Biology	6	Exam
CC 5	History and Culture of Ukraine	3	Credit
CC 6	Medical and Bioorganic Chemistry	5	Graded Credit
CC 7	Human Anatomy	11	Exam
CC 8	Histology, Cytology, and Embryology	7	Exam
CC 9	Philosophy	3	Credit
CC 10	Life Safety. Basics of Bioethics and Biosafety. Occupational Safety in the Field	3	Credit
CC 11	Physical Education and Health		Credit
CC 12	Biological Chemistry	6	Exam
CC 13	Physiology	6	Exam
CC 14	Microbiology, Virology, and Immunology	5	Exam
CC 15	Clinical Anatomy and Operative Surgery	3	Graded Credit
CC 16	Military Medical Training	3	Graded Credit
CC 17	Medical Informatics	3	Credit
CC 18	Pathomorphology	6	Exam
CC 19	Pathophysiology	6	Exam
CC 20	Pharmacology	6	Exam
CC 21	Propaedeutics of Therapeutic Dentistry	3	Graded Credit
CC 22	Propaedeutics of Orthopedic Dentistry	4	Graded Credit
CC 23	Propaedeutics of Pediatric Therapeutic Dentistry	3	Graded Credit
CC 24	Practical Training (Nursing Practice in Dentistry)	3	Graded Credit

Component code	Educational components (subjects, courseworks, practical trainings, degree project)	Number of ECTS credits	Form of final control
CC 25	Prevention of Dental Diseases	4	Graded Credit
CC 26	Forensic Medicine (Dentistry). Medical Law	3	Graded Credit
CC 27	Hygiene and Ecology	3	Graded Credit
CC 28	Therapeutic Dentistry with Professionally Oriented Practice	20	Exam; Graded Credit
CC 29	Surgical Dentistry with Professionally Oriented Practice	17.5	Exam; Graded Credit
CC 30	Orthopedic Dentistry with Professionally Oriented Practice	17.5	Exam; Graded Credit
CC 31	Orthodontics with Professionally Oriented Practice	9	Exam; Graded Credit
CC 32	Internal Medicine	6	Exam; Graded Credit
CC 33	Practical Training (Clinical Medical Practice)	4	Graded Credit
CC 34	General Medical Training (Otorhinolaryngology – 0.75; Neurology – 0.75; Neurodentistry – 0.75; Dermatology, Venereology – 0.75; Psychiatry and Medical Psychology – 1)	4	Graded Credit
CC 35	Pediatric Therapeutic Dentistry with Professionally Oriented Practice	9	Exam
CC 36	Pediatric Surgical Dentistry with Professionally Oriented Practice	6	Exam
CC 37	Practical Training (Dental Practice)	11	Graded Credit
CC 38	Emergency and Urgent Therapeutic and Surgical Care	3	Graded Credit
CC 39	Social Medicine, Public Health, and Basics of Evidence-Based Medicine	3	Graded Credit
Total study load for compulsory components:		225	
Elective components (EC)			
EC 1	Medical and Biological Physics	3	Credit
EC 2	English Language	3	Credit
EC 3	History of Medicine. Medical Kharkiv	3	Credit
EC 4	Basics of Psychology and Pedagogy	3	Credit
EC 5	Ethnography	3	Credit
EC 6	Medical Local History	3	Credit
EC 7	European Standard of Computer Literacy	3	Credit
EC 8	Psychology of Communication	3	Credit
EC 9	Philosophy of Family and Career	3	Credit
EC 10	Ethics. Etiquette in Medicine	3	Credit
EC 11	Sociology and Medical Sociology	3	Credit
EC 12	Jurisprudence / Law	3	Credit
EC 13	Religious Studies	3	Credit
EC 14	Anti-Corruption and Integrity	3	Credit
EC 15	Ethics and Deontology in Dentistry	3	Credit
EC 16	Professional Speech Competence	3	Credit
EC 17	Propaedeutics of Internal Medicine	3	Credit
EC 18	Practical Training (Patient Care)	3	Credit
EC 19	Physical Education and Health	3	Credit
EC 20	Modern Problems of Biophysics	3	Credit
EC 21	Ukrainian as a Foreign Language	3	Credit

Component code	Educational components (subjects, courseworks, practical trainings, degree project)	Number of ECTS credits	Form of final control
EC 22	Political Science	3	Credit
EC 23	Basic Technologies of Denture Manufacturing	3	Credit
EC 24	Cosmetology	3	Credit
EC 25	Academic Integrity	3	Credit
EC 26	Tactical Medicine	3	Credit
EC 27	Theoretical Training for Basic General Military Training*	3	Credit
EC 28	Molecular Biology in Medicine and Dentistry	3	Credit
EC 29	Preparation for the Unified State Qualification Exam (Stage I) in specialty 221 "Dentistry" (Human Anatomy – 0.5; Histology, Cytology, and Embryology – 0.5; Medical Biology – 0.5; Biological Chemistry – 0.5; Physiology – 0.5; Microbiology, Virology, and Immunology – 0.5)	3	Credit
EC 30	Basics of Social Psychology	3	Credit
EC 31	Nutritiology	3	Credit
EC 32	Side Effects of Drugs	3	Credit
EC 33	Foreign Language (for Professional Purposes)	3	Credit
EC 34	Suicidology	3	Credit
EC 35	Clinical Pathophysiology	3	Credit
EC 36	Clinical Biochemistry	3	Credit
EC 37	Clinical Pathology	3	Credit
EC 38	Radiology	3	Credit
EC 39	Clinical Laboratory Diagnostics	3	Credit
EC 40	Basics of Alcoholism and Drug Addiction Prevention	3	Credit
EC 41	Basics of Psychoanalysis	3	Credit
EC 42	Methodology of Dental Examination	3	Credit
EC 43	International Humanitarian Law	3	Credit
EC 44	Surgery, including Oncology and Neurosurgery	3	Credit
EC 45	Physiotherapy, Resort Science, and Rehabilitation	4	Credit
EC 46	Methodology of Evidence-Based Medicine	3	Credit
EC 47	Biostatistics and Clinical Epidemiology	3	Credit
EC 48	Basics of Infection Control in Dentistry	3	Credit
EC 49	Peculiarities of Disinfection and Sterilization in Dental Healthcare Facilities	3	Credit
EC 50	Epidemiology in Dental Practice	3	Credit
EC 51	General Medical Training No. 1 (Phthisiology – 1, Clinical Pharmacology – 1, Physical Rehabilitation, Sports Medicine – 1, Endocrinology – 1)	3	Credit
EC 52	General Medical Training No. 2 (Pediatrics – 1, Obstetrics – 1, Otorhinolaryngology – 1, Ophthalmology – 1)	4	Credit
EC 53	Basics of Sexology and Sexopathology	4	Credit
EC 54	HIV Infection/AIDS – Problems and Prospects	3	Credit
EC 55	Modern Diagnostics of TMJ and Salivary Glands	3	Credit
EC 56	Medical Assistance to the Wounded at the Pre-hospital Stage	3	Credit
EC 57	Peculiarities of Pharmacotherapy in Emergency Situations, Field Conditions, Lack of Information, and Limited Time	3	Credit
EC 58	Pharmacotherapy of Major Diseases in Modern Warfare Conditions	3	Credit

Component code	Educational components (subjects, courseworks, practical trainings, degree project)	Number of ECTS credits	Form of final control
EC 59	Modern Methods of Antibiotic Therapy, Antibiotic Prophylaxis, and Prevention of Antibiotic Resistance	3	Credit
EC 60	Clinical Pharmacology of Emergency Conditions	3	Credit
EC 61	Urgent Otorhinolaryngological Care in Dental Practice	3	Credit
EC 62	Differential Diagnosis of ENT Diseases in Dental Practice	3	Credit
EC 63	Basics of Maxillofacial Dentistry During Wartime	3	Credit
EC 64	Syndromes and Symptoms in Dentistry	3	Credit
EC 65	Plastic and Reconstructive Surgery	3	Credit
EC 66	Business Planning and Running Your Own Business in Dentistry	3	Credit
EC 67	Humanity and Empathy in the Clinical Work of a Medic	3	Credit
EC 68	Maxillofacial Injuries in Children of Different Ages	3	Credit
EC 69	Radiology in Dentistry	3	Credit
EC 70	Management and Marketing in Dentistry	3	Credit
EC 71	Basics of Neurosurgery and Neurodentistry	3	Credit
EC 72	Basics of Molecular, Regenerative, and Nanodentistry	3	Credit
EC 73	Basics of Clinical Immunology and Allergology	3	Credit
EC 74	Reflexology in Dentistry	3	Credit
EC 75	Modern Technologies of Continuous Prosthetics	3	Credit
EC 76	Digital Competencies in Dentistry	3	Credit
EC 77	Basics of Aesthetic Tooth Restoration	4	Credit
EC 78	Surgical Preparation of the Oral Cavity for Prosthetics	3	Credit
EC 79	Endodontic Technique in Pediatric Dentistry	4	Credit
EC 80	Modern Technologies of Fixed Orthodontic Appliances	4	Credit
EC 81	Immunoprophylaxis. Diagnostics and Treatment of Drug Allergy	4	Credit
EC 82	Social Medicine and Public Health	4	Credit
EC 83	Health Economics	3	Credit
EC 84	Drug Allergy in Dental Practice	3	Credit
EC 85	Extreme Medicine	3	Credit
EC 86	Preparation for the Unified State Qualification Exam in specialty 221 "Dentistry" (Propaedeutics of Therapeutic Dentistry – 1; Therapeutic Dentistry – 1; Surgical Dentistry – 2; Orthopedic Dentistry – 2; Pediatric Therapeutic Dentistry – 1; Orthodontics – 1)	3	Credit
EC 87	Military Toxicology and Medical Protection Against Weapons of Mass Destruction	3	Credit
EC 88	Elective from other educational programs	3/4	Credit
Total study load for compulsory components:		75	
TOTAL STUDY LOAD FOR THE STUDY PROGRAMME:		300	

*The elective component 'Theoretical Preparation for Basic General Military Training' is mandatory for selection by male citizens of Ukraine in accordance with the Resolution of the Cabinet of Ministers of Ukraine No. 734, dated June 21, 2024, 'On Approval of the Procedure for Conducting Basic General Military Training for Citizens of Ukraine Obtaining Higher Education and for Police Officers', and Article 10-1 of the Law of Ukraine 'On Military Duty and Military Service', except for those exempted from this educational component.

2.2. Structural and logical scheme of the educational programme

Component code	Educational components (subjects, courseworks, practical trainings, degree project)	Number of ECTS credits	Years of study				
			1 st	2	3	4	5
1	2	3	4	5	6	7	8
Compulsory components (CC)							
CC 1	Ukrainian Language for Professional Purposes	3	*				
CC 2	Foreign Language (including for Professional Purposes)	4	*				
CC 3	Latin Language and Medical Terminology	3	*				
CC 4	Medical Biology	6	*				
CC 5	History and Culture of Ukraine	3	*				
CC 6	Medical and Bioorganic Chemistry	5	*				
CC 7	Human Anatomy	11	*				
CC 8	Histology, Cytology, and Embryology	7	*				
CC 9	Philosophy	3	*				
CC 10	Life Safety. Basics of Bioethics and Biosafety. Occupational Safety in the Field	3	*				
CC 11	Physical Education and Health		*	*			
CC 12	Biological Chemistry	6		*			
CC 13	Physiology	6		*			
CC 14	Microbiology, Virology, and Immunology	5		*			
CC 15	Clinical Anatomy and Operative Surgery	3		*			
CC 16	Military Medical Training	3		*			
CC 17	Medical Informatics	3		*			
CC 18	Pathomorphology	6		*	*		
CC 19	Pathophysiology	6		*	*		
CC 20	Pharmacology	6		*	*		
CC 21	Propaedeutics of Therapeutic Dentistry	3		*			
CC 22	Propaedeutics of Orthopedic Dentistry	4		*			
CC 23	Propaedeutics of Pediatric Therapeutic Dentistry	3		*			
CC 24	Practical Training (Nursing Practice in Dentistry)	3		*			
CC 25	Prevention of Dental Diseases	4			*		
CC 26	Forensic Medicine (Dentistry). Medical Law	3			*		
CC 27	Hygiene and Ecology	3			*		
CC 28	Therapeutic Dentistry with Professionally Oriented Practice	20			*	*	*
CC 29	Surgical Dentistry with Professionally Oriented Practice	17.5			*	*	*
CC 30	Orthopedic Dentistry with Professionally Oriented Practice	17.5			*	*	*
CC 31	Orthodontics with Professionally Oriented Practice	9			*	*	*
CC 32	Internal Medicine	6			*	*	
CC 33	Practical Training (Clinical Medical Practice)	4			*		
CC 34	General Medical Training (Otorhinolaryngology – 0.75; Neurology – 0.75; Neurodentistry – 0.75; Dermatology,	4				*	

	Venereology – 0.75; Psychiatry and Medical Psychology – 1)						
CC 35	Pediatric Therapeutic Dentistry with Professionally Oriented Practice	9				*	
CC 36	Pediatric Surgical Dentistry with Professionally Oriented Practice	6				*	*
CC 37	Practical Training (Dental Practice)	11				*	*
CC 38	Emergency and Urgent Therapeutic and Surgical Care	3				*	*
CC 39	Social Medicine, Public Health, and Basics of Evidence-Based Medicine	3					*
Elective components (EC)							
EC 1	Medical and Biological Physics	3	*				
EC 2	English Language	3	*				
EC 3	History of Medicine. Medical Kharkiv	3	*				
EC 4	Basics of Psychology and Pedagogy	3	*				
EC 5	Ethnography	3	*	*			
EC 6	Medical Local History	3	*				
EC 7	European Standard of Computer Literacy	3	*	*			
EC 8	Psychology of Communication	3	*				
EC 9	Philosophy of Family and Career	3	*				
EC 10	Ethics. Etiquette in Medicine	3	*				
EC 11	Sociology and Medical Sociology	3	*				
EC 12	Jurisprudence / Law	3	*				
EC 13	Religious Studies	3	*				
EC 14	Anti-Corruption and Integrity	3	*				
EC 15	Ethics and Deontology in Dentistry	3	*				
EC 16	Professional Speech Competence	3		*	*		
EC 17	Propaedeutics of Internal Medicine	3		*			
EC 18	Practical Training (Patient Care)	3		*			
EC 19	Physical Education and Health	3		*	*	*	*
EC 20	Modern Problems of Biophysics	3		*			
EC 21	Ukrainian as a Foreign Language	3	*	*	*		
EC 22	Political Science	3		*			
EC 23	Basic Technologies of Denture Manufacturing	3		*			
EC 24	Cosmetology	3		*			
EC 25	Academic Integrity	3		*			
EC 26	Tactical Medicine	3		*			
EC 27	Theoretical Training for Basic General Military Training*	3		*			
EC 28	Molecular Biology in Medicine and Dentistry	3			*		
EC 29	Preparation for the Unified State Qualification Exam (Stage I) in specialty 221 "Dentistry" (Human Anatomy – 0.5; Histology, Cytology, and Embryology – 0.5; Medical Biology – 0.5; Biological Chemistry – 0.5; Physiology – 0.5; Microbiology, Virology, and Immunology – 0.5)	3			*		
EC 30	Basics of Social Psychology	3			*		
EC 31	Nutritiology	3			*		

EC 32	Side Effects of Drugs	3			*		
EC 33	Foreign Language (for Professional Purposes)	3			*	*	
EC 34	Suicidology	3			*		
EC 35	Clinical Pathophysiology	3			*		
EC 36	Clinical Biochemistry	3			*		
EC 37	Clinical Pathology	3			*		
EC 38	Radiology	3			*		
EC 39	Clinical Laboratory Diagnostics	3			*		
EC 40	Basics of Alcoholism and Drug Addiction Prevention	3			*		
EC 41	Basics of Psychoanalysis	3			*		
EC 42	Methodology of Dental Examination	3			*		
EC 43	International Humanitarian Law	3			*	*	*
EC 44	Surgery, including Oncology and Neurosurgery	3				*	
EC 45	Physiotherapy, Resort Science, and Rehabilitation	4				*	
EC 46	Methodology of Evidence-Based Medicine	3				*	
EC 47	Biostatistics and Clinical Epidemiology	3				*	
EC 48	Basics of Infection Control in Dentistry	3				*	
EC 49	Peculiarities of Disinfection and Sterilization in Dental Healthcare Facilities	3				*	
EC 50	Epidemiology in Dental Practice	3				*	
EC 51	General Medical Training No. 1 (Phthiology – 1, Clinical Pharmacology – 1, Physical Rehabilitation, Sports Medicine – 1, Endocrinology – 1)	3				*	
EC 52	General Medical Training No. 2 (Pediatrics – 1, Obstetrics – 1, Otorhinolaryngology – 1, Ophthalmology – 1)	4				*	
EC 53	Basics of Sexology and Sexopathology	4				*	
EC 54	HIV Infection/AIDS – Problems and Prospects	3				*	
EC 55	Modern Diagnostics of TMJ and Salivary Glands	3				*	
EC 56	Medical Assistance to the Wounded at the Pre-hospital Stage	3				*	
EC 57	Peculiarities of Pharmacotherapy in Emergency Situations, Field Conditions, Lack of Information, and Limited Time	3				*	
EC 58	Pharmacotherapy of Major Diseases in Modern Warfare Conditions	3				*	
EC 59	Modern Methods of Antibiotic Therapy, Antibiotic Prophylaxis, and Prevention of Antibiotic Resistance	3				*	
EC 60	Clinical Pharmacology of Emergency Conditions	3				*	
EC 61	Urgent Otorhinolaryngological Care in Dental Practice	3				*	
EC 62	Differential Diagnosis of ENT Diseases in Dental Practice	3				*	

EC 63	Basics of Maxillofacial Dentistry During Wartime	3				*	
EC 64	Syndromes and Symptoms in Dentistry	3				*	
EC 65	Plastic and Reconstructive Surgery	3				*	*
EC 66	Business Planning and Running Your Own Business in Dentistry	3				*	*
EC 67	Humanity and Empathy in the Clinical Work of a Medic	3					*
EC 68	Maxillofacial Injuries in Children of Different Ages	3					*
EC 69	Radiology in Dentistry	3					*
EC 70	Management and Marketing in Dentistry	3					*
EC 71	Basics of Neurosurgery and Neurodentistry	3					*
EC 72	Basics of Molecular, Regenerative, and Nanodentistry	3					*
EC 73	Basics of Clinical Immunology and Allergology	3					*
EC 74	Reflexology in Dentistry	3					*
EC 75	Modern Technologies of Continuous Prosthetics	3					*
EC 76	Digital Competencies in Dentistry	3					*
EC 77	Basics of Aesthetic Tooth Restoration	4					*
EC 78	Surgical Preparation of the Oral Cavity for Prosthetics	3					*
EC 79	Endodontic Technique in Pediatric Dentistry	4					*
EC 80	Modern Technologies of Fixed Orthodontic Appliances	4					*
EC 81	Immunoprophylaxis. Diagnostics and Treatment of Drug Allergy	4					*
EC 82	Social Medicine and Public Health	4					*
EC 83	Health Economics	3					*
EC 84	Drug Allergy in Dental Practice	3					*
EC 85	Extreme Medicine	3					*
EC 86	Preparation for the Unified State Qualification Exam in specialty 221 "Dentistry" (Propaedeutics of Therapeutic Dentistry – 1; Therapeutic Dentistry – 1; Surgical Dentistry – 2; Orthopedic Dentistry – 2; Pediatric Therapeutic Dentistry – 1; Orthodontics – 1)	3					*
EC 87	Military Toxicology and Medical Protection Against Weapons of Mass Destruction	3					*
EC 88	Elective from other educational programs	3 or 4	*	*	*	*	*
Certification						*	*

3. Form of certification of higher education students

Certification of students under the Programme 'Dentistry' is conducted in the form of the Unified State Qualification Exam (USQE).

The Unified State Qualification Exam is carried out in accordance with the Procedure for the Unified State Qualification Exam for students of professional pre-higher and higher education at the first (Bachelor's) and second (Master's) levels in the field of study 22 'Health'.

Certification is conducted openly and publicly. By the decision of the Examination Commission, an individual who has successfully completed the educational-professional program is awarded a Master's degree and granted the educational qualification 'Master of Dentistry' and the professional qualification 'Dental practitioner'. Based on this decision, a Master's diploma of the standard form and its diploma supplement are issued.

5. Matrix of correspondence of program learning outcomes (PLO) to the compulsory components (CC) of the educational programme

	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9	PLO 10	PLO 11	PLO 12	PLO 13	PLO 14	PLO 15	PLO 16	PLO 17	PLO 18	PLO 19	PLO 20	PLO 21	PLO 22	PLO 23
CC1		+												+		+		+	+				
CC2		+												+		+		+					
CC3	+	+												+									
CC4	+	+	+												+		+		+	+			
CC5																+		+	+				
CC6		+	+												+		+			+			
CC7	+	+												+			+		+				
CC8	+	+	+											+					+				
CC9														+		+	+	+	+				
CC10														+	+	+	+	+	+	+			
CC11																	+						
CC12	+	+	+												+		+			+			
CC13	+	+	+			+			+					+	+		+						
CC14	+	+	+				+								+		+			+	+		
CC15	+	+		+	+			+				+							+		+	+	+
CC16		+	+	+	+	+	+					+				+				+			+
CC17							+							+			+	+					
CC18	+	+	+	+	+		+							+	+	+			+				
CC19	+	+	+	+	+									+	+		+		+	+			
CC20						+	+	+		+	+		+	+									
CC21	+	+	+	+				+			+			+					+	+		+	
CC22		+	+	+										+					+	+		+	
CC23	+	+	+	+				+			+			+					+	+		+	
CC24						+		+						+	+		+	+	+	+	+	+	
CC25		+		+		+	+							+	+		+		+				
CC26	+	+	+	+										+			+	+	+	+			
CC27									+			+	+	+	+	+	+		+	+			
CC28	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+
CC29	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+
CC30	+	+	+	+	+			+		+		+	+	+					+	+	+	+	+
CC31	+	+	+	+	+	+		+		+				+		+	+		+	+	+	+	+
CC32	+	+	+	+	+	+		+		+			+	+			+		+	+	+		
CC33	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
CC34	+	+	+	+	+					+		+	+	+	+	+	+	+	+	+	+	+	
CC35	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+
CC36	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+
CC37	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+
CC38	+	+	+	+	+		+			+		+	+					+	+	+	+		+
CC39						+	+		+					+	+	+	+	+	+	+			+

List 1 (Syndromes and Symptoms)

1. Adentia
2. Anemia
3. Malocclusion / Bite anomaly
4. Facial asymmetry
5. Atrophy
6. Pain dysfunction of the TMJ (temporomandibular joint)
7. Pain in the heart region
8. Toothache / Pain in teeth
9. Abdominal pain
10. Pain in the soft tissues of the maxillofacial area
11. Pain in the facial bones
12. Loss of consciousness
13. Loss of clinical attachment
14. Hypermobility of the articular head of the TMJ
15. Hemorrhagic syndrome
16. Hyperesthesia
17. Hypersalivation
18. Headache
19. Nasality (open, closed)
20. Lower jaw deviation; destruction of bone tissue
21. Defects of the tooth crown
22. Deformation of the facial skeleton bones
23. Bite deformation
24. Tooth discoloration
25. Facial disproportion
26. Jaundice
27. Shortness of breath and asphyxia
28. Inflammatory infiltrate of the maxillofacial tissues
29. Dizziness
30. Color change of the skin integuments and oral mucosa
31. Change in tooth shape
32. Change in interalveolar height
33. Elements of lesions on the skin and oral mucosa
34. Convergence (divergence) of teeth
35. Xerostomia
36. Fever
37. Lymphadenopathy
38. Macroglossia
39. Macrocheilia
40. Maceration of the mouth corners
41. Meningeal syndrome
42. Edematous syndrome
43. Dental deposits
44. Fistulous tract
45. Limited mouth opening
46. Paresis, paralysis of nerves in the maxillofacial area
47. Burning of the mucous membrane
48. Pathological tooth wear / abrasion
49. Impairment of lower jaw movements
50. Taste impairment
51. Sensory impairment of the maxillofacial tissues
52. Impairment of sucking and swallowing; pathological tooth mobility
53. Tumors and tumor-like neoplasms in the maxillofacial area
54. Gingival recession
55. Mobility of facial bone fragments
56. Thinning of the cortical plate of the jaws
57. "Emptying-filling"
58. Partial and complete loss of teeth
59. Fluctuation
60. Chemosis
61. Cyanosis (diffuse and local)
62. Cleft facial defects, I-II branchial arch syndrome
63. Gingival, periodontal, or bone pocket

List 2 (Dental diseases)

1. Therapeutic Dentistry:

A) Non-carious lesions of hard tooth tissues:

1. Hyperesthesia
2. Enamel hypoplasia, enamel hyperplasia
3. Fluorosis
4. Erosion of hard tooth tissues
5. Wedge-shaped defect
6. Tooth wear (abrasion)
7. Necrosis of hard tooth tissues
8. Discolorations
9. Traumatic tooth injuries

B) Caries and its complications:

10. Caries
11. Pulpitis
12. Periodontitis

C) Periodontal diseases:

13. Papillitis
14. Gingivitis (localized, generalized)
15. Periodontitis (localized, generalized)
16. Parodontosis (Periodontosis)
17. Idiopathic periodontal diseases

D) Diseases of the oral mucosa (OM):

18. Traumatic lesions of the OM
19. Autoinfectious diseases of the OM (acute aphthous stomatitis, herpetic, ulcerative-necrotic, candidal lesions of the OM)
20. Secondary bacterial diseases (diphtheria, tuberculosis, syphilis, gonorrhoea)
21. OM diseases in dermatoses with an autoimmune component of pathogenesis (pemphigus, lichen planus, lupus erythematosus)
22. OM changes in allergic lesions
23. OM changes in cases of intoxication with heavy metal salts
24. Symptomatic viral diseases (AIDS, influenza, foot-and-mouth disease, infectious mononucleosis)
25. Symptomatic manifestations on the OM of gastrointestinal tract diseases (peptic ulcer, gastritis, enteritis, colitis, chronic hepatitis)
26. Symptomatic manifestations on the OM of cardiovascular system diseases (circulatory failure, essential arterial hypertension)
27. Symptomatic manifestations on the OM of endocrine system diseases (acromegaly, Itsenko-Cushing syndrome, diabetes mellitus, hyper- and hypothyroidism)

28. Symptomatic manifestations on the OM of blood diseases (anemias, thrombocytopenic purpura, leukemias)

29. Symptomatic manifestations on the OM of hypo- and avitaminosis

30. Diseases and anomalies of the tongue (desquamative glossitis, rhomboid glossitis, plicated tongue, hairy tongue)

31. Neurogenic diseases of the tongue (glossalgia, stomalgia, ganglionitis)

32. Independent and symptomatic cheilitis (actinic, meteorological, contact allergic, glandular, exfoliative, eczematous, atopic)

E) Pre-cancer of the OM and the vermilion border of the lips:

33. Obligate pre-cancers (Bowen's disease, warty pre-cancer, limited precancerous hyperkeratosis, Manganotti cheilitis)

34. Facultative pre-cancers

2. Pediatric Dentistry:

A) Tooth pathology:

35. Enamel hypoplasia (systemic and local)
36. Endemic fluorosis
37. Congenital defects of hard tooth tissues in children
38. Caries and its complications in temporary and permanent teeth in children
39. Traumatic tooth injuries

B) Periodontal pathology:

40. Gingivitis
41. Idiopathic periodontal diseases
42. Periodontitis

C) Pathology of the oral mucosa (OM):

43. Allergic diseases of the OM
44. Anomalies and diseases of the tongue
45. Fungal lesions of the OM in children
46. OM changes in systemic diseases
47. OM changes in specific diseases
48. Manifestations of acute viral and infectious diseases on the OM (diphtheria, chickenpox, measles, infectious mononucleosis, scarlet fever)
49. Viral diseases of the OM (acute herpetic stomatitis, recurring herpetic stomatitis, shingles)
50. Independent and symptomatic cheilitis, glossitis

D) Inflammatory diseases of the maxillofacial area:

51. Periostitis

- 52. Osteomyelitis of the jaws
- 53. Diseases of the temporomandibular joint (TMJ)
- 54. Salivary gland diseases
- 55. Lymphadenitis
- 56. Non-odontogenic inflammatory processes of soft tissues (furuncle, carbuncle, erysipelas)
- 57. Specific inflammatory processes (tuberculosis, syphilis, actinomycosis)
- 58. Phlegmons and abscesses

E) Maxillofacial injuries:

- 59. Damage to soft tissues (wounds, burns), teeth, jaws, facial bones, TMJ

F) Tumors and tumor-like formations of the maxillofacial area:

- 60. Benign tumors and tumor-like neoplasms of soft tissues and facial bones
- 61. Malignant tumors of soft tissues and facial bones

G) Congenital facial defects:

- 62. Cleft lip, alveolar process, hard and soft palate (isolated and through)
- 63. Anomalies of oral soft tissue attachment (frenulum of lips, tongue; shallow vestibule)
- 64. Congenital syndromes

H) TMJ diseases, ankylosis

3. Surgical Dentistry:

A) Inflammatory diseases of the maxillofacial area:

- 65. Deep and superficial phlegmons, abscesses
- 66. Lymphadenitis
- 67. Neuritis of the trigeminal nerve, facial nerve; neuralgia
- 68. Non-odontogenic inflammatory processes
- 69. Odontogenic sinusitis
- 70. Periodontitis, alveolitis, periostitis, osteomyelitis, pericoronitis
- 71. Inflammatory salivary gland diseases
- 72. Specific inflammatory processes (tuberculosis, syphilis, actinomycosis)

B) Maxillofacial injuries:

- 73. Injuries to teeth and bones of the facial skeleton
- 74. Injuries to soft tissues, tongue, and OM
- 75. Gunshot wounds and non-gunshot soft tissue injuries; cranio-maxillofacial injuries
- 76. Thermal, chemical, electrical, and radiation tissue injuries; combined trauma

C) Temporomandibular joint (TMJ) diseases:

- 77. Arthritis, arthrosis-arthritis, arthrosis
- 78. Ankyloses
- 79. TMJ dysfunctions, dislocations, and contractures of the lower jaw

D) Tumors and tumor-like formations of the OM, salivary glands, soft tissues of the head and neck, and facial skeleton:

- 80. Benign tumors and tumor-like formations
- 81. Pre-cancerous diseases and malignant tumors of the OM, salivary glands, soft tissues, and facial skeleton

E) Congenital and acquired defects and deformations of head and neck tissues:

- 82. Tooth development anomalies, congenital jaw deformations, facial skeleton defects, and combined anomalies of the cranial and facial skeleton and dentomaxillofacial system
- 83. Congenital defects and deformations of head and neck soft tissues
- 84. Acquired defects and deformations of maxillofacial and neck soft tissues and facial bones
- 85. Age-related changes of facial and neck soft tissues, vertical and horizontal atrophy of alveolar processes, adentia, gingival recession
- 86. Cosmetic defects and deformations of head and neck organs and tissues

F) Dysplastic diseases of the maxillofacial localization:

- 87. Dystrophic diseases of periodontal tissues
- 88. Sialoses
- 89. Dysplastic diseases of head and neck soft tissues

G) Neurostomatological diseases:

- 90. Neuritis, trigeminal neuralgia

4. Orthopedic Dentistry:

- 91. Partial tooth loss: a) distally limited defects; b) distally unlimited defects
- 92. Complete tooth loss
- 93. Excessive tooth wear
- 94. Defects of the tooth crown
- 95. Complete destruction of the tooth crown
- 96. Dentomaxillofacial deformations
- 97. Parafunctions of masticatory muscles
- 98. Traumatic occlusion
- 99. Trauma and defects of the jaws, nose, ear, orbits; combined defects
- 100. TMJ diseases
- 101. TMJ dysfunctions

5. Orthodontics:**A) Anomalies of individual teeth:**

- 102. Size
- 103. Shape
- 104. Number
- 105. Retention

B) Tooth position anomalies:

- 106. Diastemas and tremas
- 107. Crowding
- 108. Tortoanomaly
- 109. Vestibulo-oral position, dystopia, transposition, supra- and infraposition

C) Sagittal bite anomalies:

110. Progenia (mesial) (skeletal, dentoalveolar)

111. Prognathia (distal) (skeletal, dentoalveolar)

D) Vertical bite anomalies:

- 112. Open (skeletal, dentoalveolar)
- 113. Deep (skeletal, dentoalveolar)

E) Transversal bite anomalies:

- 114. Crossbite (unilateral or bilateral, with or without lower jaw shift) (skeletal, dentoalveolar)

List 2.1 (Basic dental diseases)

- | | |
|--|--|
| 1. Non-carious tooth lesions | 11. Secondary bacterial diseases (diphtheria, tuberculosis, syphilis, gonorrhea) |
| 2. Caries of temporary and permanent teeth | 12. Manifestations of immunodeficiency states on the OM (AIDS) |
| 3. Pulp diseases of temporary and permanent teeth | 13. Allergic lesions |
| 4. Periodontitis of temporary and permanent teeth | 14. Alveolitis |
| 5. Papillitis | 15. Pericoronitis |
| 6. Gingivitis | 16. Periostitis |
| 7. Periodontitis | 17. Lymphadenitis |
| 8. Parodontosis | 18. Traumatic injuries of facial soft tissues |
| 9. Traumatic lesions | 19. Acute and habitual dislocation of the lower jaw |
| 10. Autoinfectious diseases of the oral mucosa (OM) (acute aphthous stomatitis, herpetic, ulcerative-necrotic, candidal lesions of the OM) | 20. Uncomplicated fractures of the upper and lower jaws |
| | 21. Defects of the tooth crown |
| | 22. Partial and complete absence of teeth |

List 3 (Physiological states and somatic diseases requiring special patient management tactics)**A) Physiological states:**

- 1. Pregnancy

B) Diseases of the blood and blood-forming organs:

- 2. Anemias
- 3. Hemophilia
- 4. Leukemias
- 5. Thrombocytopenic purpura

C) Cardiovascular diseases:

- 6. Arterial hypertension
- 7. Infective endocarditis
- 8. Heart defects
- 9. Heart failure
- 10. Cardiac arrhythmia
- 11. Presence of a pacemaker

D) Mental disorders:

12. Acute psychosis, including alcoholic delirium

13. Epilepsy

E) Diseases of the respiratory system and mediastinum:

14. Bronchial asthma

F) Pathology of ENT organs:

15. Tonsillitis

16. Rhinitis

17. Sinusitis

18. Deviated nasal septum

G) Diseases of the endocrine system:

19. Diabetes mellitus

20. Thyroid diseases

H) Pathologies of the musculoskeletal system and connective tissue:

21. Systemic vasculitis (hemorrhagic vasculitis)
22. Rheumatoid arthritis
23. Posture disorders

I) Infectious and parasitic diseases:

24. HIV infection / AIDS
25. Viral hepatitis
26. Diphtheria

27. Tetanus
28. Anthrax
29. Tuberculosis of various localizations
30. Cholera
31. Plague
32. Gonorrhoea
33. Syphilis

List 4 (Emergency Conditions)

- | | |
|-------------------------------------|----------------------------------|
| 1. Asphyxia (including of newborns) | 11. Coma |
| 2. Hypertensive crisis | 12. Laryngeal edema |
| 3. Acute respiratory failure | 13. Quincke's edema (Angioedema) |
| 4. Acute heart failure | 14. Burns and frostbite |
| 5. Acute poisoning | 15. Convulsions / Seizures |
| 6. Acute abdomen | 16. Drowning |
| 7. Electrical injury | 17. Physiological labor |
| 8. Unconsciousness / Fainting | 18. Shock |
| 9. External bleeding | 19. Bone injury |
| 10. Collapse | |

List 5 (Laboratory and Instrumental Research)

1. Analysis of punctate of soft tissue and bone neoplasms.
2. Histomorphological study of biopsy specimens of lymph nodes, salivary glands, mucous membranes, and soft tissues.
3. Blood glucose analysis.
4. Study of diagnostic and control jaw models.
5. Study of functions of the dentomaxillofacial system (breathing, swallowing, speech, mastication, and TMJ).
6. Complete blood count (CBC).
7. Urinalysis.
8. Biochemical blood analysis.
9. Immunological study in dental diseases.
10. Coagulogram analysis.
11. Interpretation of radiological diagnostics of the skull, dentomaxillofacial apparatus, and salivary glands.
12. Cytological study of organs and tissues of the dentomaxillofacial apparatus.
13. Microbiological study of oral fluid, smears from the oral mucosa (OM), and periodontium.
14. Functional diagnostics of the oral cavity state (luminescent, rheoparodontography, stomatoscopy, capillaroscopy, vacuum test, etc.).

List 6 (Medical Manipulations)

1. Perform artificial respiration.
2. Perform chest compressions (indirect cardiac massage).
3. Fix the tongue.
4. Perform temporary cessation of external bleeding.
5. Perform primary surgical debridement of wounds.
6. Perform gastric and intestinal lavage.
7. Perform transport immobilization.
8. Perform injections of medicinal substances (intramuscular, subcutaneous, intravenous bolus and drip).
9. Measure blood pressure.

10. Perform primary care of a newborn.
11. Determine blood group and Rh factor.

List 7 (Dental Manipulations)

1. Alveolotomy.
2. Pulp amputation of temporary and permanent teeth.
3. Anthropometric studies of jaw models.
4. Selective grinding of teeth, leveling of the occlusal surface, occlusogram, completion of the parodontogram.
5. Manufacturing of temporary splints and splinting for fractures of teeth, alveolar processes, and jaws.
6. Removal of dental deposits.
7. Determination of acid resistance of tooth enamel (TER, KOSHRE, SCT-test).
8. Determination and fixation of the centric relation.
9. Determination of Zilinsky's symptom.
10. Determination of constructive bite.
11. Determination of sagittal gap.
12. Determination of vertical gap.
13. Determination of signs of orthognathic bite and its varieties.
14. Determination of signs of pathological bite types.
15. Reduction of lower jaw dislocation.
16. Fissure sealing.
17. Diagnostic use of dyes.
18. Diathermocoagulation.
19. Pulp extirpation of temporary and permanent teeth.
20. Electroodontodiagnostics.
21. Use of local action agents in the treatment of periodontal and oral mucosa diseases.
22. Local anesthesia in the treatment of dental diseases by various methods (topical, infiltration, conduction).
23. Removal of artificial crowns.
24. Tooth-preserving surgical interventions in periodontitis.
25. Hemostasis after tooth extraction.
26. Deep fluoridation of hard tissues of temporary teeth.
27. Correction of partial and complete removable dentures.
28. Correction and activation of removable orthodontic appliances.
29. Socket curettage.
30. Periodontal pocket curettage.
31. Medicinal treatment of affected areas of the oral mucosa and periodontium.
32. Application and removal of temporary fillings and hermetic dressings in the treatment of caries, pulpitis, and periodontitis.
33. Rubber dam application.
34. Application of maxillofacial appliances (repositioning, forming, replacing, and fixing).
35. Obturation of root canals of temporary and permanent teeth with various materials.
36. Obtaining anatomical and functional impressions with various impression materials.
37. Obtaining jaw models.
38. Obtaining impressions from intraosseous implants.
39. Parallelometry in planning the design of a clasp denture.
40. Checking the denture design in cases of partial and complete absence of teeth.
41. Periostotomy.
42. Filling of carious cavities of temporary and permanent teeth with various filling materials.
43. Coating teeth with therapeutic and prophylactic varnishes, gels, and desensitizers.
44. Preparation of teeth for stamped metal, plastic cast, combined cast, and metal-free crowns.

45. Preparation of teeth for inlays and veneers.
46. Preparation and cleaning of root canals of temporary and permanent teeth.
47. Preparation of the tooth root for a post-and-core construction.
48. Preparation of carious cavities of temporary and permanent teeth taking into account the type of filling material.
49. Fitting of various types of artificial crowns.
50. Performing intradental electrophoresis.
51. Performing ligature binding of teeth.
52. Performing professional oral hygiene.
53. Performing professional hygiene in the area of implants.
54. Performing physiological separation.
55. Performing periodontal probing.
56. Direct and indirect pulp capping.
57. Registration of the upper jaw position using a facebow.
58. Opening of a periodontal abscess.
59. Incision and excision of the hood in pericoronitis.
60. Drafting an IHPR (Individual Oral Hygiene Plan) algorithm.
61. Temporary immobilization for jaw fractures.
62. Simple and surgical extraction of temporary and permanent teeth.
63. Cystotomy.
64. Fixation of crowns and bridge prostheses.
65. Fixation of an orthodontic band or crown.
66. Fixation of the centric relation in groups II, III, and IV of defects.
67. Surgical debridement of facial soft tissue wounds within one anatomical area.
68. Grinding and polishing of fillings made of all types of filling materials.

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