

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE



INTERNATIONAL HUMANITARIAN
UNIVERSITY

"APPROVED"

Academic Council

International Humanitarian
University

Protocol No. 4

from 06.04. 2023

Put into effect by the order of the
Rector of the International Humanitarian
University dated 07.04.2023 No. 1233a

Rector  K.V. Hromovenko



EDUCATIONAL AND PROFESSIONAL PROGRAM

DENTISTRY

(for foreign applicants)

LEVEL OF HIGHER EDUCATION second (master's)
(name of higher education level)




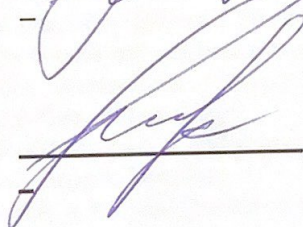
HIGHER EDUCATION DEGREE Master of Dentistry
(title of higher education degree)

FIELD OF KNOWLEDGE 22 Healthcare
(code and name of the field of knowledge)

SPECIALTY 221 Dentistry
(code and name of specialty)

Odesa 2023

LETTER OF APPROVAL
Educational and professional program "DENTISTRY"
(for foreign applicants)
in the specialty 217 "Dentistry"
at the second (master's) level of higher education

First Vice-Rector	 _____	Vasyl LEFTEROV
Dean of the Faculty Dentistry and Pharmacy	 _____	Elena ZAHRADSKA
Head of the Department General Dentistry	 _____	Leonid CHULAK
Guarantor of the program	 _____	Leonid CHULAK

PREFACE

The Order of the Ministry of Education and Science of Ukraine dated 24.06.2019 No. 879 "On the introduction of the standard of higher education in the specialty 221 "Dentistry" for the second (master's) level of higher education" approved the standard of higher education in the specialty 221 "Dentistry" in the field of knowledge 22 "Health care" for the second (master's) level of higher education.

By order of the Rector of the International Humanitarian University, a project group was created under the chairmanship of the Head of the Department of General Dentistry, Professor, Honored Worker of Science and Technology of Ukraine, Doctor of Medical Sciences. Leonid Dmytrovych Chulak (guarantor of the program), which, in pursuance of the above-mentioned order of the Ministry of Education and Science of the Ukraine, must develop an educational and professional program "Dentistry", submit it to the Academic Council of the University, and put it into effect on September 1, 2023. Every year, the commission reviews the main provisions of the educational and professional program "Dentistry", supplements and constantly modernizes it according to the wishes of the academic community, students and stakeholders.

Developed by a project team consisting of:

1. *Zahradska Olena Leonidivna*, Candidate of Medical Sciences, Associate Professor of the Department of General Dentistry, Dean of the Faculty of Dentistry and Pharmacy;
2. *Chulak Leonid Dmytrovych*, Doctor of Medical Sciences, Professor, Head of the Department of General Dentistry, Honored Worker of Science and Technology of Ukraine (guarantor of the educational and professional program);
3. *Chumakova Yuliia Gennadiivna*, Professor, Doctor of Medical Sciences, Professor of the Department of General Dentistry;
4. *Kirichuk Oleksii Viktorovych*, Candidate of Medical Sciences, Associate Professor of the Department of General Dentistry.
5. *Yaroslav Piotrovych*, a 4th year student, a foreign applicant for the second (master's) level of higher education in the field of knowledge 22 "Health care" in the specialty -221 "Dentistry".

External Reviewer:

Burdeinyi Vyacheslav Semenovich, Candidate of Medical Sciences, Associate Professor, Chief Physician of the Odessa Regional Clinical Dental Clinic.

Al-Mohamad Aref Ahmad, Candidate of Medical Sciences, Member of the Association of Orthodontists of Ukraine, Member of the Association of Arab Doctors in Ukraine, General Director of the Dental Clinic "Granddent"

Expert opinion (review) of the head of the professional association-employers:

Pavlenko Oleksii Vyacheslavovych, Doctor of Medical Sciences, Professor, Head of the

Department of Prosthetic Dentistry, National University of Health of Ukraine. P.L. Shupika, Honored Worker of Science and Technology of Ukraine, Member of the Professional Council for the Development of Higher Education Standards, Chairman of the Association of Dentists-Prosthodontists and Dental Technicians.

SECTION 1. PROFILE
EDUCATIONAL AND PROFESSIONAL PROGRAM "DENTISTRY"

1. General Information	
Full name of the higher educational institution and structural unit	International Humanitarian University, Odessa Medical Institute, Department of General Dentistry
Higher education degree and title of qualification in the original language	Master of Dentistry (MD)
Official name of the educational program	Educational and professional master's degree program in specialty 221 "Dentistry" field of knowledge 22 Healthcare
Type of diploma and scope of educational program	Master's Degree in Dentistry, Single, Duration of study: 4 years and 10 months
Availability of accreditation	Certificate of accreditation of the educational program UP16010737, valid until 01.07.2024
Cycle/Level	NQF of Ukraine – Level 7, FQ-EHEA – Second Cycle, EQF-LLL – Level 7
Prerequisites	A person has the right to obtain a master's degree on the basis of complete general secondary education, subject to successful completion of the external independent assessment of the quality of education, on the basis of the degree of junior specialist and professional junior bachelor - subject to successful completion of the external independent assessment of the quality of education
Language(s) of instruction	Ukrainian/English
Validity of the educational program	until June 30, 2024
Internet address of permanent placement of the description of the educational program	http://www.mgu.edu.ua
2. Purpose of the educational and professional program	
Training of specialists who are able to diagnose, treat and prevent dental diseases at a high level, solve scientific and practical problems related to the organization of dental care, measures for the prevention of major dental diseases in accordance with modern trends in the development of world science and practice.	
3. Characteristics of the educational and professional program	
Subject area (field of knowledge, specialty, specialization)	Field of knowledge: 22 – Healthcare Specialty: 221 – Dentistry The EPP includes: - compulsory components – 225 ECTS credits (75%) from 300 credits; - elective components – 75 ECTS credits (25%) from 300 credits.
Orientation of the educational program	Diagnostic, therapeutic, preventive, educational and scientific activities in the field of dentistry. The second educational and professional level of higher education is a master's degree (MD) in the field of 22 "Health care" in the specialty 221 "Dentistry".

Primary Focus educational and practical program	Providing students of higher education OPP "Dentistry" with the necessary knowledge, skills and abilities for the diagnosis, prevention, treatment and rehabilitation of patients with dental brews, organization of dental care, scientific research, etc. Areas of application of the educational and professional program: - organization and management of the dental service of Ukraine; - provision of qualified medical dental care to the population of Ukraine; - innovative technologies of treatment, prosthetics in the field of dentistry.
Features of the program	The program is focused on the prevalence of the practical orientation of medical personnel training, their universality, training of highly professional personnel in the market of dental services, the combination of scientific research with the achievements of practice-oriented methods of providing dental care in medical institutions of various forms of ownership, as well as the organization of scientific research in dentistry.
4. Graduates' Suitability for Employment and Further Education	
Employability	The graduate is able to perform professional work in the following groups (in accordance with DK 003: 2010): - 2222.1 – Junior Researcher (Dentistry) - 2222.1 – Researcher, Consultant (Dentistry) - 2222.2 – Dentist - 2222.2 – Dentist-orthodontist - 2222.2 – Dentist-orthopedist - 2222.2 – Dentist-therapist - 2222.2 – Dental surgeon - 2222.2 – Dentist-periodontist
Further education	For further professional training in the specialty, a dentist must enter postgraduate education programs, where training is carried out in educational programs of the dental profile.
5. Teaching and Assessment	
Teaching & Learning	Lecture; Seminars; independent work, individual practical work in medical institutions, independent study of manual skills in simulation halls of departments, processing of textbooks, monographs and scientific periodicals, databases; consultations with teachers, practitioners.
Evaluation	Written and oral exams; differentiated tests; reports on the results of industrial and medical practices: industrial practice (patient care; nursing practice in dentistry); industrial medical practice for the prevention of dental diseases; industrial dental practice (surgical and prosthetic dentistry); industrial dental practice (therapeutic dentistry); industrial medical practice in pediatric dentistry; oral presentations; individual tasks; passing the Licensing Test Exams (Unified State Qualification Exam Krok 1. Dentistry, AMPS, Unified State Qualification Exam Step 2. Dentistry), objective structured practical (clinical) exam: therapeutic dentistry, surgical dentistry, prosthetic dentistry, pediatric dentistry (pediatric therapeutic and surgical

	dentistry; propaedeutics of pediatric dentistry) and the final exam "Ukrainian as a foreign language".
Integral Competence	IR. Ability to solve complex tasks and problems in the field of health care in the specialty "Dentistry" in professional activities or in the process of studying, which involves research and/or innovation and is characterized by uncertainty of conditions and requirements.
General Competencies (GC)	<p>GC 1. Ability to abstract thinking, analysis, and synthesis.</p> <p>GC 2. Knowledge & understanding of the subject area and understanding of professional activities.</p> <p>GC 3. Ability to apply knowledge in practice.</p> <p>GC 4. Ability to communicate in the state language both orally and in writing.</p> <p>GC 5. Ability to communicate in English.</p> <p>GC 6. Skills in the use of information and communication technologies.</p> <p>GC 7. Ability to search, process and analyze information from various sources.</p> <p>GC 8. Ability to adapt and act in a new situation.</p> <p>GC 9. Ability to identify, pose, and solve problems.</p> <p>GC 10. Ability to be critical and self-critical.</p> <p>GC 11. Ability to work in a team.</p> <p>GC 12. Striving to preserve the environment.</p> <p>GC 13. Ability to act socially responsibly and consciously.</p> <p>GC 14. Ability to exercise their rights and responsibilities as a member of society, to realize the values of civil (free democratic) society and the need for its sustainable development, the rule of law, human and civil rights and freedoms in Ukraine.</p> <p>GC 15. The ability to preserve and multiply moral, cultural, scientific values and achievements of society based on an understanding of the history and patterns of development of the subject area, its place in the general system of knowledge about nature and society and in the development of society, equipment and technology, to use various types and forms of physical activity for active recreation and a healthy lifestyle.</p>
Special (professional) competencies of the specialty (SC)	<p>SC 1. Ability to collect medical information about the patient and analyze clinical data.</p> <p>SC 2. Ability to interpret the result of laboratory and instrumental tests.</p> <p>SC 3. Ability to diagnose: determine preliminary, clinical, definitive, concomitant diagnosis, emergencies.</p> <p>SC 4. Ability to plan and carry out measures for the prevention of diseases of the organs and tissues of the oral cavity and maxillofacial area (GLD).</p> <p>SC 5. Ability to design the process of medical care: determine the approaches, plan, types and principles of treatment of diseases of the organs and tissues of the oral cavity and maxillofacial region.</p> <p>SC 6. Ability to determine the rational mode of work, rest, diet in patients in the treatment of diseases of organs and tissues of the oral cavity and maxillofacial area.</p>

	<p>SC 7. Ability to determine the tactics of management of patients with diseases of organs and tissues of the oral cavity and maxillofacial region with concomitant somatic diseases.</p> <p>SC 8. Ability to perform medical and dental procedures.</p> <p>SC 9. Ability to treat major diseases of the organs and tissues of the oral cavity and thyroid gland disease.</p> <p>SC 10. Ability to organize and conduct medical evacuation measures.</p> <p>SC 11. Ability to determine tactics, methods and provision of emergency medical care.</p> <p>SC 12. Ability to organize and conduct screening examinations in dentistry.</p> <p>SC 13. Ability to assess the impact of the environment on the health of the population (individual, family, population).</p> <p>SC 14. Ability to maintain normative medical records.</p> <p>SC 15. Processing of state, social and medical information.</p> <p>SC 16. Ability to organize and conduct rehabilitation activities and care for patients with diseases of the oral cavity and thyroid gland system.</p> <p>SC 17. Ability to provide legal support for their own professional activities.</p> <p>SC 18. Ability to provide first aid according to tactical medicine protocols.</p>
6. Programmatic Learning Outcomes	
	<p>PRN 1. Identify and identify leading clinical symptoms and syndromes (according to list 1); according to standard methods, using the preliminary data of the patient's anamnesis, the patient's examination data, knowledge about the person, his organs and systems, to establish a probable nosological or syndromic preliminary clinical diagnosis of dental disease (according to List 1).</p> <p>PRN 2. Collect information about the general condition of the patient, assess the psychomotor and physical development of the patient, the condition of the maxillofacial organs, evaluate the information on the diagnosis based on the results of laboratory and instrumental studies (according to list 1).</p> <p>PRN 3. Prescribe and analyze additional (mandatory and optional) examination methods (laboratory, radiological, functional and/or instrumental) according to list 5, patients with diseases of organs and tissues of the oral cavity and thyroid gland for differential diagnosis of diseases (list 1).</p> <p>PRN 4. Determine the final clinical diagnosis in compliance with the relevant ethical and legal norms, by making an informed decision and logical analysis of the subjective and objective data of clinical, additional examination, differential diagnosis under the supervision of the attending physician in a medical institution (according to list 1).</p> <p>PRN 5. Diagnose emergencies under any circumstances (at home, on the street, in a medical institution), in an emergency, martial law, lack of information and limited time (according to list 1).</p> <p>PRN 6. Plan and implement measures for the prevention of</p>

	<p>dental diseases among the population to prevent the spread of dental diseases.</p> <p>PRN 7. Analyze the epidemiological state and carry out measures of mass and individual, general and local drug and non-drug prevention of dental diseases</p> <p>PRN 8. Determine the approach, plan, type and principle of treatment of dental disease (according to list 1) by making an informed decision according to existing algorithms and standard schemes.</p> <p>PRN 9. Determine the nature of the mode of work, rest and the necessary diet in the treatment of dental diseases (according to list 1) on the basis of a preliminary or final clinical diagnosis by making an informed decision according to existing algorithms and standard schemes.</p> <p>PRN 10. Determine the tactics of managing a dental patient with somatic pathology (according to list 1) by making an informed decision according to existing algorithms and standard schemes.</p> <p>PRN 11. Carry out treatment of major dental diseases according to existing algorithms and standard schemes under the supervision of a supervising physician in a medical institution (according to list 1).</p> <p>PRN 12. Organize medical evacuation measures among the population, military personnel, in an emergency, including martial law, during the deployed stages of medical evacuation, taking into account the existing system of medical evacuation support.</p> <p>PRN 13. Determine the tactics of emergency medical care, using the recommended algorithms, under any circumstances, based on the diagnosis of an emergency condition in a limited time (according to list 1).</p> <p>PRN 14. Analyze and evaluate governmental, social, and medical information using standard approaches and computer information technologies.</p> <p>PRN 15. Assess the impact of the environment on the health of the population in a medical institution using standard methods.</p> <p>PRN 16. Form goals and determine the structure of personal activities based on the results of the analysis of certain social and personal needs.</p> <p>PRN 17. Adhere to a healthy lifestyle, use self-regulation and self-control techniques.</p> <p>PRN 18. To be aware of and guided in their activities by civil rights, freedoms and duties, to raise the general educational cultural level.</p> <p>PRN 19. Adhere to the requirements of ethics, bioethics and deontology in their professional activities.</p> <p>PRN 20. Organize the necessary level of individual safety (his/her own and those of the persons he/she takes care of) in case of typical dangerous situations in the individual field of activity.</p> <p>PRN 21. Perform medical manipulations on the basis of a preliminary and/or final clinical diagnosis (according to lists 2,</p>
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	<p>2.1) for different segments of the population and in different conditions (according to list 1).</p> <p>PRN 22. Perform medical dental procedures on the basis of a preliminary and/or definitive clinical diagnosis (according to List 1) for different segments of the population and in different conditions (List 1).</p> <p>PRN 23. Perform manipulations in the provision of emergency medical care, using standard schemes, under any circumstances on the basis of the diagnosis of an emergency condition (according to list 4) in conditions of limited time (according to lists 1).</p> <p>PRN 24. Perform manipulations on the skills of treating major dental diseases of various kinds of complexity.</p> <p>PRN 25. Be able to analyze the quality of the performed manipulations by a dental technician and carry out fitting and fitting of the main dental prosthetic constructions</p>
7. Resourcing of the program implementation	
Staffing	<ol style="list-style-type: none"> 1. The presence in the working group on the modernization of the OPP of scientific and pedagogical workers, who are responsible for the training of higher education applicants for the OPP - four persons with a scientific degree and academic title, three of them are doctors of sciences and / or professors. 2. The head of the working group on the modernization of the OPP has: a scientific degree and an academic title in the relevant specialty; more than 20 years of experience in scientific and pedagogical work. 3. The number of members of the support group is sufficient, since there are no more than 30 applicants for higher education of all levels, courses and forms of education in the specialty 221 "Dentistry" per member. The share of those who have a scientific degree of Doctor of Science and/or the academic title of Professor is at least 30 percent of the total number of members of the support group. 4. Conducting lectures on academic disciplines by scientific and pedagogical (scientific) workers of the relevant specialty at the main place of work: <ul style="list-style-type: none"> - who have a scientific degree and/or academic title (the minimum percentage of the number of hours determined by the curriculum) – 100%; - who have a scientific degree of Doctor of Science or the academic title of Professor – more than 50%. 5. Conducting lectures on academic disciplines that ensure the formation of professional competencies by scientific and pedagogical workers who are recognized professionals with experience in the specialty (the minimum percentage of the number of hours determined by the curriculum): <ul style="list-style-type: none"> - research, management, innovation or creative work in the specialty – more than 50%; 6. Availability of a graduating department for special (professional) training, which is headed by a specialist of the relevant or related scientific and pedagogical specialty - with a scientific degree and academic title.

Material and technical support	<ol style="list-style-type: none"> 1. Provision of premises for training sessions and control activities (sq. meters per person for the actual contingent of students and the declared volume, taking into account training in shifts) – 2.5 sq.m. 2. Provision of multimedia equipment for simultaneous use in classrooms (minimum percentage of the number of classrooms) – 30%. 3. Provision of computer workstations, laboratories, equipment, equipment necessary for the implementation of curricula. 4. If necessary, students from other settlements and countries are provided with a dormitory.
Informational, educational and methodological support	<ol style="list-style-type: none"> 1. Provision of syllabi, teaching materials and tasks for testing knowledge. 2. Provision of the library with domestic and foreign professional periodicals of the relevant or related profile, including in electronic form. 3. Availability of an electronic resource of an educational institution, which contains educational and methodological materials on academic disciplines of the curriculum, including in the distance learning system.
8. Academic mobility	
National Credit Mobility	Professional development (internship) of scientific and pedagogical staff in the best institutions of higher education in Ukraine and Europe.
International Credit Mobility	<p>In 2020, MSU signed a cooperation agreement with the University of Belgrade (Serbia), according to which students of the OPP Dentistry have the opportunity to move and acquire the necessary competencies in Serbia with the possibility of receiving a scholarship with the enrollment of appropriate credits. In addition, this agreement also provides for teaching mobility, according to which the guarantor and members of the working group have the opportunity to teach and participate in the commissions for the defense of PhD theses at the University of Belgrade, and Serbian professors have the opportunity to teach and participate in the commissions for the defense of PhD theses at Moscow State University.</p> <p>In 2019, MSU entered into cooperation agreements with Xinyu University (China) and Gannan Medical University (China), which provides for academic cooperation and exchange of teachers and students, including OPP Dentistry.</p> <p>Since February 2021, a cooperation agreement has been in effect between MSU and Polonia University (Poland), which, among other things, provides for the implementation of dual educational programs, exchange and internships for applicants and academic staff, cooperation within EU programs, as well as joint research and training initiatives.</p>

SECTION 2. LIST OF COMPONENTS OF THE EDUCATIONAL AND PROFESSIONAL PROGRAM AND THEIR LOGICAL SEQUENCE

2.1 List of components of the OPP specialty 221 "Dentistry"

N/A Code	Components of the educational program (academic disciplines, course projects (works), practices, qualification work)	Number of credits	Form of final control
Mandatory components of general training			
OK 1	Ukrainian as a Foreign Language*	20	Test/Exam
OK 2	Foreign Language (for Professional Purposes)	3	Passed
OK 3	Latin Language and Medical Terminology	3	Passed
OK 4	Medical Biology	3	Exam
OK 5	Medical Physics with Physical Methods of Analysis	3	Passed
OK 6	Medicinal Chemistry	3	Exam
OK 7	Biological and Bioorganic Chemistry	6	Exam
OK 8	Human Anatomy	7	Exam
OK 9	Histology, cytology and embryology	5	Exam
OK 10	Physiology with bioethics	4	Exam
OK 11	Microbiology, Virology and Immunology	5	Exam
OK 12	Medical Informatics and Biostatistics	3	Passed
Mandatory components of vocational training			
OK 13	Internal Medicine	3	Passed
OK 14	Hygiene and ecology	3	Passed
OK 15	Pathomorphology	6	Exam
OK 16	Pathophysiology	6	Test/Exam
OK 17	Pharmacology	6	Exam
OK 18	Propaedeutics of Therapeutic Dentistry	4	Passed
OK 19	Propaedeutics of Prosthetic Dentistry	3	Passed
OK 20	Propaedeutics of Pediatric Therapeutic Dentistry **	3	Exam
OK 21	Propaedeutics of Internal Medicine	3	Passed
OK 22	Social Medicine, Public Health and Evidence-Based Medicine	3	Exam
OK 23	Prevention of dental diseases	3	Passed
OK 24	Therapeutic dentistry**	15	Test/Exam
OK 25	Dental Surgery**	12	Test/Exam
OK 26	Surgical Dentistry and Maxillofacial Surgery	5	Exam
OK 27	Prosthetic dentistry**	10	Test/Exam
OK 28	Orthodontics	6	Passed
OK 29	Pediatric Therapeutic Dentistry**	6	Test/Exam
OK 30	Pediatric Surgical Dentistry**	6	Exam
OK 31	Internal medicine with endocrinology (including infectious diseases, epidemiology, clinical pharmacology)	5	Exam
OK 32	Surgery, including radiology, oncology, and neurosurgery	5	Exam

OK 33	General medical training (ophthalmology, neurology, dermatology, venereology, obstetrics)	7	Exam
OK 34	Otolaryngology	3	Passed
OK 35	Emergency and emergency medical care	3	Passed
OK 36	Phthisiology	3	Passed
OK 37	Internship (nursing; nursing practice in dentistry)	6	Passed
OK 38	Industrial medical practice for the prevention of dental diseases	6	Passed
OK 39	Industrial Dental Practice (Therapeutic and Surgical Dentistry)	6	Passed
OK 40	Industrial Dental Practice (Prosthetic Dentistry)	3	Passed
OK 41	Industrial medical practice in pediatric dentistry	3	Passed
OK 42	Objective Structured Practical (Clinical) Exam*	2	Comprehensive Exam**
OK 43	Certification of the Unified State Qualification Exam "Krok-1".Dentistry", an exam in English for professional purposes	3	Test
OK 44	Certification of the Unified State Qualification Exam "Krok-2. Dentistry"	2	Test
	Total Required Components	225	
* educational component submitted for the final exam			
**educational components included in OSCE			
Selective components of the OPP***			
VC 1	Elective Discipline 1	3	Passed
VK 2	Elective Discipline 2	3	Passed
VC 3	Elective discipline 3	3	Passed
VC 4	Elective Discipline 4	3	Passed
VC 5	Elective discipline 5	3	Passed
VC 6	Elective Discipline 6	3	Passed
VC 7	Elective Discipline 7	3	Passed
VC 8	Elective Discipline 8	3	Passed
VC 9	Elective discipline 9	3	Passed
VC 10	Elective discipline 10	3	Passed
VC 11	Elective discipline 11	3	Passed
VK 12	Elective discipline 12	3	Passed
VK 13	Elective discipline 13	3	Passed
VC 14	Elective discipline 14	3	Passed
VC 15	Elective discipline 15	3	Passed
VC 16	Elective discipline 16	3	Passed
VC 17	Elective discipline 17	3	Passed
VC 18	Elective discipline 18	3	Passed
VC 19	Elective discipline 19	3	Passed
VC 20	Elective discipline 20	3	Passed
VC 21	Elective discipline 21	3	Passed
VC 22	Elective discipline 22	3	Passed
VC 23	Elective discipline 23	3	Passed
VK 24	Elective discipline 24	3	Passed
VK 25	Elective discipline 25	3	Passed
	Total Sample Components	75	
	THE TOTAL AMOUNT OF THE EDUCATIONAL PROGRAM	300	

LIST OF ELECTIVE DISCIPLINES

<i>N/A Code</i>	Components of the educational program (academic disciplines, practices)	<i>Number of credits ECTS</i>	<i>Form of final control</i>
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>
Disciplines of free choice of the applicant for higher education of general training			
2 SEMESTER (2 disciplines per semester are selected, 6 credits in total)			
VC 1	Ethical Issues in Medicine	3	Passed
VK 2	Medical Statistics	3	Passed
	History of Medicine	3	Passed
	Deontology in medicine	3	Passed
3 SEMESTER (2 disciplines per semester are selected, 6 credits in total)			
VC 3	Oratory	3	Passed
VC 4	Fundamentals of Psychology. Fundamentals of Pedagogy	3	Passed
	Psychology of Doctor's Professional Development	3	Passed
	Logic. Formal logic. Rhetoric: Theory and Practice of Public Speaking	3	Passed
4 SEMESTER (2 disciplines per semester are selected, 6 credits in total)			
VC 5	Fundamentals of Management and Marketing in Dentistry	3	Passed
VC 6	Medical Law	3	Passed
	Life safety	3	Passed
	Fundamentals of Bioethics and Biosafety	3	Passed
Just:		18 credits	

Disciplines of free choice of the applicant for higher education, professional training			
5 SEMESTER (3 disciplines per semester are selected, 9 credits in total)			
VC 7	The main aspects of the joint work of a dentist and an assistant	3	Passed
VC 8	Materials Science in Dentistry Fundamentals of psychotherapy in the practice of a dentist Chemical composition of teeth and the use of chemical reagents in modern dentistry Pharmacovigilance in a dental clinic Phenomenology of Psychic Trauma	3	Passed
VC 9		3	Passed
		3	Passed
		3	Passed
		3	Passed
		3	Passed
6 SEMESTER (3 disciplines per semester are selected, 9 credits in total)			
VC 10	Allergic reactions in dentistry	3	Passed
VC 11	Modern Protocols for Professional Oral Hygiene	3	Passed
VK 12	Fundamentals of Aesthetic Dental Restoration	3	Passed
	Nutrition	3	Passed
	Primary Surgical Technique	3	Passed
	Extreme and Crisis Psychology	3	Passed
7 SEMESTER (2 disciplines per semester are selected, 6 credits in total)			
VK 13	Laser technologies in dentistry	3	Passed
	Clinical Immunology	3	Passed
VC 14	Plastic and Reconstructive Surgery	3	Passed
	Side effects of medications	3	Passed
8 SEMESTER (3 disciplines per semester are selected, 9 credits in total)			
	Fundamentals of denture manufacturing technology	3	Passed

VC 15	Regenerative Techniques in Conservative and Surgical Dentistry	3	Passed
VC 16	Minimally invasive aesthetic dentistry	3	Passed
VC 17	Information Technology and Statistical Analysis in Dentistry	3	Passed
	Application of modern digital technologies in prosthetic dentistry	3	Passed
	Operative accesses in maxillofacial surgery, soft tissue regeneration.	3	Passed
9 SEMESTER (4 disciplines per semester are selected, 12 credits in total)			
VC 18	Simulation medicine. Up-to-date emergency medical protocols	3	Passed
VC 19	Modern Aspects of Military Dentistry	3	Passed
VC 20	A modern look at the methods of preparing teeth for fixed dentures	3	Passed
VC 21	Digital technologies in dentistry	3	Passed
	Modern technologies in pediatric dentistry	3	Passed
	Surgical preparation of the oral cavity for prosthetics	3	Passed
	Surgical preparation of the jaws for dental implantation	3	Passed
	Digital Protocol in Fixed Prosthetics	3	Passed
10 SEMESTER (4 disciplines per semester are selected, 12 credits in total)			
VC 22	Modern Aspects of Endodontics	3	Passed
VC 23	Pharmacotherapy in dentistry	3	Passed
VK 24	Emergencies in dentistry	3	Passed
VK 25	Fundamentals of Implantology	3	Passed
	TMJ dysfunction. Etiology, pathogenesis, types, treatment	3	Passed

	Business Management in Dentistry. Health Economics	3	Passed
	Multibonding equipment in the complex treatment of dentoalveolar anomalies and deformities	3	Passed
	Digital technologies in orthodontics	3	Passed
<i>Just:</i>		<i>57 credits</i>	
The total amount of elective disciplines:		75 credits	

The sequence of educational components by semester and the structural and logical scheme of the EP are presented in Appendix 1 and Appendix 2.

2.2. Sequence of educational components by semester

N/A Code	Components of the educational program (academic disciplines, practices)	Total Credits	Semesters and number of credits									
			1	2	3	4	5	6	7	8	9	10
1. MANDATORY COMPONENTS OF THE EDUCATIONAL AND PROFESSIONAL PROGRAM "Dentistry"												
1.1. Mandatory components of general training												
OK 1	Ukrainian as a Foreign Language*	20	2	2	2	2	2	2	2	2	2	2
OK 2	Foreign Language (for Professional Purposes)	3					3					
OK 3	Latin Language and Medical Terminology	3		3								
OK 4	Medical Biology	3	3									
OK 5	Medical Physics with Physical Methods of Analysis	3	3									
OK 6	Medicinal Chemistry	3	3									
OK 7	Biological and Bioorganic Chemistry	6		6								
OK 8	Human Anatomy	7	7									
OK 9	Histology, cytology and embryology	5	5									
OK 10	Physiology with bioethics	4	4									
OK 11	Microbiology, Virology and Immunology	5		5								
OK 12	Medical Informatics and Biostatistics	3	3									
1.2. Mandatory components of vocational training												
OK 13	Internal Medicine	3				3						
OK 14	Hygiene and ecology	3					3					
OK 15	Pathomorphology	6		6								
OK 16	Pathophysiology	6		2	4							

OK 17	Pharmacology	6				6						
OK 18	Propaedeutics of Therapeutic Dentistry	4				4						
OK 19	Propaedeutics of Prosthetic Dentistry	3			3							
OK 20	Propaedeutics of Pediatric Therapeutic Dentistry **	3				3						
OK 21	Propaedeutics of Internal Medicine	3			3							
OK 22	Social Medicine, Public Health and Evidence-Based Medicine	3			3							
OK 23	Prevention of dental diseases	3			3							
OK 24	Therapeutic dentistry**	15				6	6	3				
OK 25	Dental Surgery**	12						7	5			
OK 26	Surgical Dentistry and Maxillofacial Surgery	5								5		
OK 27	Prosthetic dentistry**	10								6	4	
OK 28	Orthodontics	6										6
OK 29	Pediatric Therapeutic Dentistry**	6									2	4
OK 30	Pediatric Surgical Dentistry**	6									6	
OK 31	Internal medicine with endocrinology (including infectious diseases, epidemiology, clinical pharmacology)	5							5			
OK 32	Surgery, including radiology, oncology, and neurosurgery	5								5		
OK 33	General medical training (ophthalmology, neurology, dermatology, venereology, obstetrics)	7						7				
OK 34	Otolaryngology	3							3			

OK 35	Emergency and emergency medical care	3										3
OK 36	Phthisiology	3							3			
OK 37	Internship (nursing; nursing practice in dentistry)	6			6							
OK 38	Industrial medical practice for the prevention of dental diseases	6					6					
OK 39	Industrial Dental Practice (Therapeutic and Surgical Dentistry)	6							6			
OK 40	Industrial Dental Practice (Prosthetic Dentistry)	3								3		
OK 41	Industrial medical practice in pediatric dentistry	3									3	
OK 42	Objective Structured Practical (Clinical) Exam*	2										2
OK 43	Certification of the Unified State Qualification Exam "Krok-1".Dentistry", an exam in English for professional purposes	3					1	2				
OK 44	Certification of the Unified State Qualification Exam "Krok-2. Dentistry"	2									1	1
2. ELECTIVE COMPONENTS OF THE EDUCATIONAL AND PROFESSIONAL PROGRAM "Dentistry"												
2.1. Elective components of general training												
VC 1	Elective Discipline 1	3			3							
VK 2	Elective Discipline 2	3			3							
VC 3	Elective discipline 3	3			3							
VC 4	Elective Discipline 4	3			3							

VC 5	Elective discipline 5	3				3						
VC 6	Elective Discipline 6	3				3						
2.2. Elective components of vocational training												
VC 7	Elective Discipline 7	3				3						
VC 8	Elective Discipline 8	3				3						
VC 9	Elective discipline 9	3				3						
VC 10	Elective discipline 10	3						3				
VC 11	Elective discipline 11	3						3				
VK 12	Elective discipline 12	3						3				
VK 13	Elective discipline 13	3							3			
VC 14	Elective discipline 14	3							3			
VC 15	Elective discipline 15	3								3		
VC 16	Elective discipline 16	3								3		
VC 17	Elective discipline 17	3								3		
VC 18	Elective discipline 18	3									3	
VC 19	Elective discipline 19	3									3	
VC 20	Elective discipline 20	3									3	
VC 21	Elective discipline 21	3									3	
VC 22	Elective discipline 22	3										3
WK23	Elective discipline 23	3										3
VK 24	Elective discipline 24	3										3
VK 25	Elective discipline 25	3										3
Just:			30	30	30	30	30	30	30	30	30	30
Total: 300 credits												

SECTION 3. FORM OF ATTESTATION OF HIGHER EDUCATION APPLICANTS

Forms of certification of higher education applicants	Attestation in the educational and professional training program in the specialty "Dentistry" is carried out in the form of a single state qualification exam.
Requirements for a single State Qualification Exam - USQE "Dentistry"	<p>The Unified State Qualification Exam is carried out in accordance with the Procedure for the Implementation of the Unified State Qualification Exam for Applicants for a Master's Degree in the Specialties of the Field of Knowledge "Health Care" and consists of the following components: integrated test exams "KROK 1. Dentistry" and "STEP 2. Dentistry, which assess the compliance of the quality of training of specialists with the standards of higher education and are carried out by the Testing Center at the Ministry of Health of Ukraine; exam in English for professional purposes, which assesses the student's competence in professional English and is conducted by the Testing Center at the Ministry of Health of Ukraine;</p> <p>objective structured practical (clinical) exam, which assesses the graduate's readiness to carry out professional activities in accordance with the requirements of the higher education standard by demonstrating practical (clinical) components of professional competence on a real object or model and is conducted by the examination board of the higher education institution;</p> <p>final exam in the discipline "Ukrainian as a foreign language", which is a systematized set of communicative skills, practical skills and theoretical knowledge of the Ukrainian language, which determine the ability of a foreign applicant, for whom Ukrainian language is not his native language (first), to meet various needs (social, domestic, educational, business, socio-cultural) with the help of the Ukrainian language.</p>

4. Matrix of correspondence of general program competencies, integral competence to the components of the educational and professional program

See	OK 1.	OK 2.	OK 3.	OK 4.	OK 5.	OK 6.	OK 7.	OK 8.	OK 9.	OK 10.	OK 11.	OK 12.	OK 13.	OK 14.	OK 15.	OK 16.	OK 17.	OK 18.	OK 19.	OK 20.	OK 21.	OK 22.	OK 23.	OK 24.	OK 25.	OK 26.	OK 27.	OK 28.	OK 29.	OK 30.	OK 31.	OK 32.	OK 33.	OK 34.	OK 35.	OK 36.	OK 37.	OK 38.	OK 39.	OK 40.	OK 41.	OK 42.	OK 43.	OK 44.				
GC 1.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				
GC 2.				+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
GC 3.	+	+	+	+	+	+	+	+	+	+	+	+							+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
GC 4.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
GC 5.		+										+																											+	+	+	+	+	+	+			
GC 6.		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
GC 7.												+		+					+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
GC 8.			+																+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
GC 9.	+	+	+	+	+	+	+	+	+	+	+	+							+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
GC 10.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
GC 11.	+	+	+	+	+	+	+	+	+	+	+	+													+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
GC 12.				+	+	+	+	+	+	+	+				+								+															+	+	+	+	+	+	+	+	+		
GC 13.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
GC 14.	+																							+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
GC 15.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
IR	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

IR – integral competence; GC – general competencies; OK – the main components of the educational program (academic disciplines, practices, OSCE, USE); + - competence to be acquired

5. Matrix of correspondence of special (professional) program competencies to the components of the educational and professional program

See	OK 1.	OK 2.	OK 3.	OK 4.	OK 5.	OK 6.	OK 7.	OK 8.	OK 9.	OK 10.	OK 11.	OK 12.	OK 13.	OK 14.	OK 15.	OK 16.	OK 17.	OK 18.	OK 19.	OK 20.	OK 21.	OK 22.	OK 23.	OK 24.	OK 25.	OK 26.	OK 27.	OK 28.	OK 29.	OK 30.	OK 31.	OK 32.	OK 33.	OK 34.	OK 35.	OK 36.	OK 37.	OK 38.	OK 39.	OK 40.	OK 41.	OK 42.	OK 43.	OK 44.					
SK1												+	+										+			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				
SK2				+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
SK3				+	+	+	+	+	+	+	+		+			+	+									+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
SK4																			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
SK5																										+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
SK6														+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
SK7														+					+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
SK8								+		+				+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
SK9																										+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
SK10																										+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
SK11																			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SK12																										+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
SK13																			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SK14	+	+	+											+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SK15	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SK16																			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SK17																											+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SK18												+															+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

SC – special (professional) competencies; OK – the main components of the educational program (academic disciplines, practices, OSCE, USE); + - competence to be acquired

SECTION 7. NORMATIVE REFERENCES AND SOURCES USED

1. Law "On Higher Education" // Database "Legislation of Ukraine" / Verkhovna Rada of Ukraine. URL: <http://zakon4.rada.gov.ua/laws/show/1556-18>
2. National Classifier of Ukraine: "Classifier of Professions" DK 003:2010 // Database "Legislation of Ukraine" /VR of Ukraine. URL: <http://zakon.rada.gov.ua/rada/show/va327609-10>
3. National Qualifications Framework // Database "Legislation of Ukraine" / Verkhovna Rada of Ukraine. URL: <http://zakon4.rada.gov.ua/laws/show/1341-2011-p>
4. Resolution of the Cabinet of Ministers of Ukraine "On Approval of the List of Fields of Knowledge and Specialties for Which Higher Education Applicants Are Trained" // Database "Legislation of Ukraine" / Verkhovna Rada of Ukraine. URL: <http://zakon4.rada.gov.ua/laws/show/266-2015-p>
5. Standards and Guidelines for Quality Assurance in the European Higher Education Area (ESG) // URL: http://ihed.org.ua/images/pdf/standards-and-guidelines_for_qa_in_the_ehea_2015.pdf
6. Order of the Ministry of Education and Science of Ukraine dated 06.11.2015 No. 1151 "On the peculiarities of the introduction of the list of fields of knowledge and specialties for which higher education applicants are trained", approved by the Resolution of the Cabinet of Ministers of Ukraine dated April 29, 2015 No. 266.
7. Decree of the Ministry of Education and Science of Ukraine dated October 15, 2015 No. 1085 On the Conditions of Admission to Higher Educational Institutions of Ukraine in 2016.
8. Methodical recommendations for the development of standards of higher education: project [Electronic resource] / M-vo of education and science of Ukraine. Retrieved from <http://mon.gov.ua/citizens/zv'yazki-z-gromadskisty/gromadske-obgovorennya-2016.html>).
9. Resolution of the Cabinet of Ministers of Ukraine dated December 30, 2015 No. 1187 Licensing Conditions for the Implementation of Educational Activities of Educational Institutions (Resolution of the Cabinet of Ministers of Ukraine dated December 30, 2015 No. 1187 "Licensing Conditions for the Implementation of Educational Activities of Educational Institutions").
10. Order of the Ministry of Education and Science No. 879 of 24.06.2019 "On approval of the standard of higher education in the specialty 221 "Dentistry" for the second (master's) level of higher education": <https://mon.gov.ua/storage/app/media/vishcha-osvita/zatverdzeni%20standarty/2019/06/25/221-Stomatolohiya-mahistr.20.01.22.pdf>

Approved at the meeting of the working group
on the modernization of the educational and professional program "Dentistry"
at the second level of higher education (MD)

Guarantor of the OPP

_____/Leonid CHULAK/

(Minutes No. of 2023.

Appendix 3**List 1**

1. Adentia
2. anemia
3. malocclusion
4. facial asymmetry
5. Atrophy
6. TMJ pain dysfunction
7. pain in the area of the heart
8. toothache
9. abdominal pain
10. pain in the soft tissues of the maxillofacial area
11. pain in the bones of the face
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. Deviation of the lower jaw, destruction of bone tissue
21. defects in the crown part of the tooth
22. deformity of the bones of the facial skeleton
23. bite deformity
24. tooth discoloration
25. facial disproportion
26. jaundice
27. suffocation and asphyxia
28. inflammatory infiltrate of maxillofacial tissues
29. dizziness
30. discoloration of the skin, oral mucosa
31. change in the shape of the teeth
32. change in interalveolar height
33. 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 corners of the mouth
41. meningial syndrome
42. edema syndrome
43. dental plaque
44. Fistulous passage
45. restriction of mouth opening
46. paresis, paralysis of the nerves of maxillofacial localization
47. heartburn of the mucous membrane
48. pathological tooth abrasion
49. impaired movement of the lower jaw

50. taste disturbance
51. impaired sensitivity of the tissues of the maxillofacial area
52. impaired sucking, swallowing, pathological tooth mobility
53. tumors and tumor-like neoplasms in the maxillofacial area
54. gum recession
55. mobility of bone fragments of the facial skeleton
56. thinning of the cortical plate of the jaws
57. "Desolation-Filling"
58. partial and complete loss of teeth
59. Fluctuation
60. chemosis
61. cyanosis (diffuse and localized)
62. slit defects of the face, syndrome I-II of the gill arch
63. gingival, periodontal, bone pocket

List 2 (dental diseases)

1. Therapeutic Dentistry:

A) Non-carious lesions of the hard tissues of the teeth:

1. Hyperesthesia
2. hypoplasia, enamel hyperplasia
3. Fluorosis
4. erosion of the hard tissues of the tooth
5. wedge-shaped defect
6. Tooth abrasion
7. necrosis of the hard tissues of the tooth
8. Discolorations
9. traumatic injuries of the teeth

B) Tooth decay and its complications:

10. Caries
11. Pulpitis
12. Periodontitis

C) Periodontal disease:

13. Papillitis
14. gingivitis (localized, generalized)
15. periodontitis (localized, generalized)
16. Periodontal disease
17. idiopathic periodontal disease
18. **D) Diseases of the oral mucosa (ODS):**
19. traumatic lesions of the ODS
20. autoinfectious diseases of the ODS (acute aphthous stomatitis, herpetic, ulcerative-necrotic, candidal lesions of the ODS)
21. secondary bacterial diseases (diphtheria, tuberculosis, syphilis, gonorrhoea)
22. ODS diseases in dermatoses with an autoimmune component of pathogenesis (pemphigus, lichen erythematosus, lupus erythematosus)
23. Changes in SOPR in allergic lesions
24. changes in SOPR in case of intoxication with salts of heavy metals
25. symptomatic viral diseases (AIDS, influenza, foot-and-mouth disease, infectious mononucleosis)
26. symptomatic manifestations of diseases of the gastrointestinal tract (peptic ulcer, gastritis, enteritis, colitis, chronic hepatitis)
27. symptomatic manifestations of diseases of the cardiovascular system (circulatory insufficiency, essential arterial hypertension)
28. symptomatic manifestations of endocrine system diseases (acromegaly, Itsenko-Cushing syndrome, diabetes mellitus, hyper- and hypothyroidism)

29. symptomatic manifestations of blood diseases (anemia, thrombocytopenic purpura, leukemia)
30. symptomatic manifestations of hypo- and vitamin deficiencies on SOPR
31. diseases and abnormalities of the tongue (desquamative glossitis, rhomboid glossitis, folded tongue, hairy tongue)
32. neurogenic diseases of the tongue (glossalgia, stomalgia, ganglionitis)
33. Independent and symptomatic cheilitis (actinic, meteorological, contact allergic, glandular, exfoliative, eczematous, atopic)

E) Precancer of the ODS and red border of the lips:

34. obligate precancers (Bowen's disease, warty precancer, limited precancerous hyperkeratosis, Manganotti's cheilitis)
35. Optional Overrides

2. Pediatric dentistry: A) Dental pathology:

35. enamel hypoplasia (systemic and local)
36. endemic fluorosis
37. Congenital malformations of the hard tissues of the teeth in children
38. caries and its complications in temporary and permanent teeth in children
39. traumatic lesions of the teeth

B) Periodontal pathology:

40. Gingivitis
41. idiopathic periodontal disease
42. Periodontitis

C) Pathology of the oral mucosa (ODS):

43. Allergic diseases of SOPR
44. abnormalities and diseases of the tongue
45. fungal lesions of SOPR in children
46. changes in SOPR in systemic diseases
47. changes in SOPR in specific diseases
48. manifestations of acute viral and infectious diseases on SOPR (diphtheria, chickenpox, measles, infectious mononucleosis, scarlet fever)
49. viral diseases of the ODS (acute herpetic stomatitis, recurrent 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
54. diseases of the salivary glands
55. Lymphadenitis
56. neodontogenic inflammatory processes of soft tissues (boil, 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 the soft tissues and bones of the face
61. malignant tumors of soft tissues and facial bones

G) Congenital malformations of the face:

62. Nonunion of the upper lip, alveolar ridge, hard and soft palate (isolated and through)
63. abnormalities of attachment of the soft tissues of the oral cavity (frenulum of the lips, tongue, shallow vestibule of the oral cavity)

64. Congenital syndromes

H) TMJ disease, 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. neodontogenic inflammatory processes
- 69. Odontogenic maxillary sinusitis
- 70. periodontitis, periodontitis, alveolitis, periostitis, osteomyelitis; pericoronaritis
- 71. inflammatory diseases of the salivary glands
- 72. specific inflammatory processes (tuberculosis, syphilis, actinomycosis)

B) Maxillofacial injuries:

- 73. injuries to the teeth and bones of the facial skeleton
- 74. soft tissue, tongue, and ODS injuries
- 75. gunshot wounds and non-gunshot injuries of maxillofacial tissues; craniomaxillofacial injuries
- 76. thermal, chemical, electrical and radiation injuries of maxillofacial tissues; Combined Trauma

C) Diseases of the temporal mandibular joint (TMJ):

- 77. arthritis, arthrosis, arthrosis
- 78. Ankylosis
- 79. TMJ dysfunctions, mandibular dislocations and contractures

D) Tumors and tumor-like formations of the ODS, salivary glands, soft tissues of maxillofacial localization and neck, bones of the facial skeleton:

- 80. benign tumors and tumor-like formations
- 81. precancerous diseases and malignant tumors of the SOPR, salivary glands, soft tissues of maxillofacial localization and neck, bones of the facial skeleton

E) Congenital and acquired defects and deformities of the tissues of the head and neck

- 82. anomalies in the development of teeth, congenital jaw deformities, defects and deformities bones of the facial skeleton, combined anomalies and deformities of the brain and facial skeleton and the dentition and maxillary system
- 83. congenital defects and deformities of the soft tissues of the head and neck
- 84. acquired defects and deformities of soft tissues of maxillofacial localization and neck, bones of the facial skeleton
- 85. age-related changes in the soft tissues of the face and neck, vertical and horizontal atrophy of the alveolar processes of the jawbones, edentulism, gingival recession
- 86. cosmetic defects and deformities of the organs and tissues of the head and neck

F) Dysplastic diseases of maxillofacial localization

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

G) Neurodental diseases

- 90. neuritis, trigeminal neuralgia

4. Prosthetic Dentistry:

- 91. partial loss of teeth
 - a) distally circumscribed defects of the dentition
 - b) distally unrestricted defects of the dentition
- 92. Complete loss of teeth
- 93. excessive tooth abrasion
- 94. defects in the crown part of the teeth

95. complete destruction of the crown part of the tooth
96. dentoalveolar deformities
97. Parafunctions of the masticatory muscles
98. traumatic occlusion
99. injuries and defects of the jaws, nose, ear, orbits, combined defects
100. TMJ disease
101. TMJ dysfunctions

5. Orthodontics

A) abnormalities of individual teeth:

102. Sizes
103. Form
104. Quantity
105. Retention

B) abnormalities in the position of the teeth:

106. diastemas and tremas
107. crowded teeth
108. Tortoanomaly
109. vestibulo-oral position of the teeth, dystopia, transposition, supra- infraposition

C) Sagittal malocclusion:

110. progeny (mesial) (skeletal, dentoalveolar)
111. prognathia (distal) (skeletal, dentoalveolar)

D) vertical malocclusion:

112. open (skeletal, dentoalveolar)
113. deep (skeletal, dentoalveolar)

E) transversal malocclusion:

114. cross (unilateral or bilateral, with or without displacement of the lower jaw) (skeletal, dentoalveolar).

List 2.1 (major dental diseases)

1. non-carious lesions of the teeth
2. caries of temporary and permanent teeth
3. Pulp diseases of temporary and permanent teeth
4. periodontitis of temporary and permanent teeth
5. Papillitis
6. Gingivitis
7. Periodontitis
8. Periodontal disease
9. traumatic injuries
10. autoinfectious diseases of the ODS (acute aphthous stomatitis, herpetic, ulcerative-necrotic, candidal lesions of the ODS)
11. secondary bacterial diseases (diphtheria, tuberculosis, syphilis, gonorrhoea)
12. manifestations of immunodeficiency states on SOPR (AIDS)
13. Allergic lesions
14. alveolitis
15. pericoronitis
16. periostitis
17. Lymphadenitis
18. traumatic injuries of the soft tissues of the face
19. acute and habitual mandibular dislocation
20. uncomplicated fractures of the upper and lower jaws
21. defects in the crown part of the teeth
22. partial and complete absence of teeth

List 3. Physiological conditions and somatic diseases that require special tactics of patient management

A) Physiological states:

1. pregnancy

B) Diseases of the blood and hematopoietic organs:

2. Anemia
3. Hemophilia
4. Leukemia
5. thrombocytopenic purpura

C) Cardiovascular diseases:

6. arterial hypertension
7. infective endocarditis
8. heart defects
9. heart failure
10. cardiac arrhythmia
11. the presence of a pacemaker

D) Psychiatric disorders:

12. acute psychosis, including alcoholic delirium
13. Epilepsy

E) Diseases of the respiratory system and mediastinum:

14. bronchial asthma

G) Pathology of ENT organs:

15. tonsillitis
16. Rhinitis
17. sinusitis
18. curvature of the nasal septum

G) Diseases of the endocrine system:

19. Diabetes
20. Thyroid diseases

3) Pathologies of the musculoskeletal system and connective tissue:

21. systemic vasculitis (hemorrhagic vasculitis)
22. rheumatoid arthritis
23. posture disorders

F) Infectious and parasitic diseases:

24. HIV/AIDS
25. viral hepatitis
26. Diphtheria
27. Tetanus
28. Anthrax
29. Tuberculosis of various localization
30. Cholera
31. plague
32. gonorrhea
33. syphilis

List 4 (emergencies):

1. asphyxia (including newborns)
2. hypertensive crisis
3. acute respiratory failure
4. acute heart failure
5. acute poisoning
6. "sharp" belly
7. Electrical trauma

8. Fainting
9. external bleeding
10. collapse
11. Comma
12. laryngeal edema
13. angioedema
14. burns and frostbite
15. Cramps
16. Drowning
17. Physiological childbirth
18. shock
19. bone trauma

List 5 (laboratory and instrumental studies):

1. Analysis of the punctate of neoplasms of soft tissues and bones
2. histomorphological examination of a biopsy of lymph nodes, salivary glands, mucous membranes, soft tissues
3. Blood glucose test
4. study of control and diagnostic models of jaws
5. study of the functions of the thyroid gland (breathing, swallowing, speech, chewing and TMJ)
6. Complete blood count
7. Urinalysis
8. biochemical blood test
9. Immunological examination in dental diseases
10. Coagulogram analysis
11. interpretation of radiological diagnostics of the skull, dentoalveolar apparatus, salivary glands
12. cytological examination of organs and tissues of the dentoalveolar apparatus
13. microbiological examination of oral fluid, SOPR swabs, periodontal
14. functional diagnostics of the oral cavity (luminescent, rheoperiodontography, stomatoscopy, capillaroscopy, vacuum test, etc.).

List 6 (medical manipulations)

1. perform artificial respiration
2. perform indirect cardiac massage
3. fix the tongue
4. temporarily stop external bleeding
5. perform primary surgical debridement of wounds
6. wash the stomach, intestines
7. carry out transport immobilization
8. inject drugs (intramuscular, subcutaneous, intravenous jet and drip)
9. measure blood pressure
10. carry out the primary toilet of the newborn
11. determine blood type, Rh affiliation

List 7 (dental procedures)

1. Alveolotomy
2. Amputation of the pulp of temporary and permanent teeth
3. Anthropometric Studies of Jaw Models
4. selective teeth grinding, alignment of the occlusal surface, occlusogram, periodontogram filling
5. Production of temporary splints and splinting for fractures of teeth, alveolar ridges and jaws

6. Removal of dental layers
7. determination of acid resistance of tooth enamel (TER, KOSHRE, SKT-test)
8. Determination and fixation of the central ratio
9. definition of Tsilinsky's symptom
10. Definition of constructive occlusion
11. Determination of sagittal clearance
12. Definition of Vertical Clearance
13. Determination of the signs of orthognathic occlusion and its varieties
14. Determination of signs of pathological types of bites
15. reduction of mandibular dislocation
16. Fissure sealing
17. Diagnostic Use of Dyes
18. Diathermocoagulation
19. extirpation of the pulp of temporary and permanent teeth
20. Electroodontodiagnostics
21. use of local agents in the treatment of periodontal diseases and ODS
22. local anesthesia in the treatment of dental diseases by various methods (application, infiltration, conduction)
23. Removal of artificial crowns
24. Tooth-preserving surgical interventions for periodontitis
25. Stopping bleeding 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. Hole curettage
30. Curettage of periodontal pockets
31. medical treatment of the affected areas of the oral mucosa and periodontium
32. application and removal of temporary fillings and hermetic bandages in the treatment of caries, pulpitis, periodontitis
33. Overlay of a rubber dam
34. Maxillofacial apparatus application
35. (repositioning, shaping, substituting and fixing)
36. obturation of root canals of temporary and permanent teeth with various materials
37. obtaining anatomical and functional impressions with different impression material
38. Obtaining Jaw Models
39. Taking impressions from intraosseous implants
40. parallelometry in planning the design of clasp prosthesis
41. Checking the design of the prosthesis in case of partial and complete absence of teeth
42. Periostotomy
43. filling of carious cavities of temporary and permanent teeth with various filling materials
44. coating of teeth with therapeutic and prophylactic varnishes, gels, desensitizers
45. preparation of teeth for stamped metal, plastic one-piece, one-piece combined, metal-free crown
46. Preparation of teeth for inlays and veneers
47. preparation and cleaning of root canals of temporary and permanent teeth
48. Preparation of the tooth root for a pin structure
49. preparation of carious cavities of temporary and permanent teeth, taking into account the type of filling material
50. Fitting of different types of artificial crowns
51. Intradental electrophoresis
52. ligature bonding of teeth
53. carrying out professional oral hygiene

54. carrying out professional hygiene in the area of implants
55. physiological separation
56. Periodontal probing
57. Direct and indirect pulp coating
58. Recording the position of the upper jaw with the help of a facial arch
59. Periodontal abscess disclosure
60. Incision and excision of the hood in pericoronitis
61. compilation of the IGPR algorithm
62. Temporary immobilization for jaw fractures
63. Typical and atypical extraction of temporary and permanent teeth
64. cystotomy
65. Fixation of crowns and bridges
66. Fixation of orthodontic ring, crown
67. fixation of the central ratio in II, III, IV groups of defects
68. surgical debridement of wounds of the soft tissues of the face within the same anatomical area