

MINISTRY OF HEALTH OF UKRAINE
HIGHER STATE EDUCATIONAL ESTABLISHMENT OF UKRAINE
“BUKOVINIAN STATE MEDICAL UNIVERSITY”

EDUCATIONAL-PROFESSIONAL CURRICULUM
STOMATOLOGY

Second (Master's) level of higher education

Specialty	<u>221 Stomatology</u>
Professional area	<u>22 Health Care</u>
Educational qualification	<u>Master of Stomatology</u>
Professional qualification	<u>Stomatologist</u>

Approved by Academic Council of BSMU
24 May 2016, record № 9.
Educational curriculum enacted
on 01 September 2016.
Order date 07.06.2016 № 229/2-Adm

Changes and supplements,
approved by Academic Council of BSMU
on 04 June 2020, record № 7.
Educational curriculum enacted
on 01 September 2020.

Order date 11 August 2020 № 295-Adm



T.M. Boychuk

LETTER OF APPROVAL

Of educational curriculum

Head of educational curriculum

Kuzniak

**Kuzniak N.B., Head of Surgical Stomatology and Jumble Surgery Department,
Doctor of Medicine, Professor.**

«28» марта 2020

Dean of Faculty of Stomatology

Bilookyi

Bilookyi V.V., Doctor of Medicine, Professor

«28» марта 2020

Pro-rector for Scientific -Pedagogical Affairs

Gerush

Gerush I.V.

«28» марта 2020

PREFACE

Educational and professional curriculum “Stomatology” of the second (master's) level of higher education in the specialty 221 “Stomatology”, professional area 22 “Health Care” is developed in accordance with the Law of Ukraine “On Higher Education”, the standard of higher education in the specialty 221 “Stomatology” for the second (master's) level of higher education, approved by the order of the Ministry of Education and Science of Ukraine on 24.06.2019 № 879, the resolution of the Cabinet of Ministers of 29.04.2015 № 266 “On approval of the list of branches of knowledge and specialties in which training of higher education is carried out” (as amended), resolution of the Cabinet of Ministers of Ukraine of 30.12.2015 № 1187 “On approval of Licensing conditions for educational activities of educational institutions”, resolution of the Cabinet of Ministers of Ukraine of 23.11.2011 № 1341 “On approval of the National Qualifications Framework” (as amended), the resolution of the Cabinet of Ministers of Ukraine of 28.03.2018 № 334 “On approval of the Procedure for a single state qualifying examination for higher education masters” “Health Care”.

The educational and professional curriculum is a regulatory document, which defines the profile of the curriculum, the list of program components and the sequence of their study, the number of ECTS credits required for this curriculum, the form of certification of higher education, as well as the list of general and special (professional) competencies, in terms of the results of training specialists for the second (master's) level of higher education in professional area 22 “Health Care”, specialty 221 “Stomatology”.

The educational and professional curriculum was developed by the project team consisting of:

- Kuzniak N.B., – Head of Surgical Stomatology and Jumble Surgery Department, Doctor of Medicine, Professor, head of the project group (head of educational curriculum);
- Bielikov O.B.–Head of Orthopedic Stomatology Department, Doctor of Medicine, Professor, member of the project group;
- Batih V.M. – Head of Therapeutic Stomatology Department, Candidate of Medical Science, Associate professor, member of the project group;
- Hodovanets O.I.–Head of Stomatology of Childhood Department, Candidate of Medical Science, Professor, member of the project group;
- Hrynkevych L.H.– postgraduate of Stomatology of Childhood Department, member of the project group;
- Tokar O.M. – Assistant professor of Therapeutic Stomatology Department, member of the project group.

Reviewers:

- Kaskova L.F. – Head of the department of children therapeutical stomatology with prevention of stomatological diseases of Ukrainian medical stomatological academy, Doctor of Medicine, Professor

- Pavlenko R.P. – Head doctor of “Center of Maxillofacial Diagnostics”, sole proprietor;
- Pavlov O.Y. – Head doctor of MMI “City Children’s Stomatological Clinic”;
- Perebyinis P.P. – Head doctor of “Studio of Esthetical Stomatology by Perebyinis Pavlo Petrovych”;
- Shuvalov S.M. – Head of Surgical Stomatology and Jumble Surgery Department of Vinnytsya National Pirogov Medical University, Doctor of Medicine, Professor

1. PROFILE OF THE EDUCATIONAL CURRICULUM

1 –General Information	
Full name of the establishment of higher education and structural subdivision	Higher State Educational Establishment of Ukraine “Bukovinian State Medical University” Faculty of Stomatology
Level of higher education and qualification	Second (Master’s) level of higher education Educational Qualification – Master of Stomatology Professional Qualification –Stomatologist
Official name of the educational program	Stomatology
Professional field	22 Health Care
Specialty	221 Stomatology
Restrictions concerning the form of studies	Full-time training only
Type of diploma and volume of educational program	Master’s diploma One-specialty 300 ECTS credits Education period is 5 years after complete general secondary education, 4 years – after receiving “Junior Bachelor” degree (education qualifical level “Junior Specialist”)
Accreditation	– National Agency for Higher Education Quality Assurance; – Ukraine; – Not accredited.
Cycle / level	Master: NQF of Ukraine –7level, FQ EHEA – second cycle, EQF LLL – 7 level.
Preconditions	Preconditions of the entry are defined by the Conditions of admission to higher education institutions of Ukraine, Rules of admission to higher education at the Higher Educational Establishment of Ukraine “Bukovinian State Medical University”. Admission to study on the basis of complete general secondary education, as well as on the basis of the “Junior Bachelor” degree (education qualifical level “junior specialist”) in the specialties 221 Stomatology, 5.12010104 Stomatology, 5.12010106 Orthopedic Stomatology.
Languages of teaching	Ukrainian, English
Educational curriculum period	Educational-professional curriculum period lasts till 2025 p. with two-years scheduled update
Internet address for the permanent description of the educational program	https://www.bsmu.edu.ua/osvita/edu-programs/

2 – The Objective of the Educational Program

To ensure high-quality educational, clinical, and paraclinical training based on the development, application and implementation of modern innovational educational technologies, taking into account the tendencies of the specialty development and experience of international medical educational institutions which correlate with the mission and strategic objective of the university.

Training of qualified, competitive specialists who: have deep theoretical knowledge and practical skills, general and professional competencies that are able to comprehensively analyze and solve specialized cases and practical problems in professional activities, which provide solutions to clinical problems of the stomatologist.

3 – Educational Program Description

Subject area (professional area, specialty)	22 Health Care 221 Stomatology
Orientation of the educational program	The educational-professional program is based on modern scientific stomatological achievements, taking into account the standard of higher education and the system of stomatological care.
The main focus of the educational program	Higher education in the subject area 22 Health Care specialty 221 Stomatology. The focus of the educational program is aimed at training highly qualified medical professionals in the specialty 221 Stomatology who understand the world trends of medicine, are able to solve complex clinical situations, make effective decisions, and are ready for active creative professional and social activities that would improve their progress; training specialists who strive for continuous self-improvement, and are able to solve complex clinical and research problems; have high moral qualities (including adhering to the code of academic integrity); have the skills of organizational and management activities Key words: health care, medicine, stomatology, higher education, master, qualification, stomatologist.

Peculiarities of the program	The educational program takes into account the specifics of the development of the health care system of the region in the conditions of labor market transformation. The curriculum is focused on qualified practical training of applicants by integrating international innovative educational technologies: modern simulation rooms, training phantom classes, stomatological rooms equipped with high quality tools from world-known companies.
4 – Suitability of the Graduates for Employment and Postgraduate Education	
Suitability for employment	<p>A specialist is prepared to work under the NACE SC [State Classifier] 009:2010: Section Q. Health care and social assistance Section 86. Health care Group 86.2 Medicine and stomatological practice Class 86.23 Stomatological practice</p> <p>Having completed the educational and professional program “Stomatology”, a specialist is able to obtain the position of:</p> <ul style="list-style-type: none"> - a medical intern (OQ code - 3229) - a trainee doctor (OQ code - 3221) <p>and may be enrolled in postgraduate programs (internship, residency), where training is provided according to the educational training programs of a stomatologist.</p> <p>Upon completion of the internship (residency) a specialist obtains the qualification of stomatologist and, as currently specified in the State Classifier 003:2010, is able to work professionally and can obtain the next doctor’s position: 2222.2 Stomatologist</p>
Further education	<p>For further professional training in the specialty, a stomatologist has to enter postgraduate education programs, where training in stomatological programs is carried out.</p> <p>Continuation of education at the third (educational and scientific) level of higher education.</p> <p>Gaining additional qualifications in the system of postgraduate education.</p>
5 – Teaching and Evaluation	
Teaching and Studying	The educational process is carried out in the following forms: practical classes, lectures, seminars, training and production practices, consultations, individual tasks, independent work under the guidance of a professor,

	<p>independent extracurricular work.</p> <p>Competence approach, student-centered teaching, problem-oriented teaching, teaching using simulation technologies, teaching through practice, initiative self-studying, combining students educational activities with research.</p>
<p>Evaluation</p>	<p>Evaluation of current educational activities, module control and disciplines in general are carried out in accordance with the “Instructions for assessing the educational activities of students of Bukovinian State Medical University in the implementation of the European credit transfer system of educational process (approved by the Academic Council of May 29, 2014, protocol 9)”</p> <p>The following types of evaluation scales are used: 200-point scale; traditional 4-point scale (5 – “excellent”, 4 – “good”, 3 – “satisfactory”, 2 – “unsatisfactory”); ECTS rating scale. Points from disciplines are converted into a traditional 4-point scale: “5” - from 180 to 200 points; “4” - from 150 to 179 points; “3” - from 149 to the minimum number of points that a student must get; “2” - below the minimum number of points. Students who study at one faculty, course, one specialty, based on the number of points scored in the discipline, are ranked on the ECTS scale: “A” - the best 10% of students, “B” - the next 25% of students, “C” - the next 30% of students, “D” - the next 25% of students, “E” - the last 10% of students. The results of the tests are evaluated on a two-point scale: “credited”, “not credited”.</p> <p>Forms of control are current control and final control (tests, final module controls).</p> <p>The attestation is carried out by assessing the degree of competence formation in the form of a unified state qualification exam (USQE). USQE is carried out in accordance with resolution №334 “On adoption of the Unified State Qualification Exam Procedure for the students enrolled in the Master’s academic program and majoring in “22 Healthcare” branch of knowledge”, adopted by the Cabinet of Ministers of Ukraine on March 28, 2018, which consists of the following components:</p> <ul style="list-style-type: none"> - Integrated test “KROK”; - Professional English exam

	- objective structured practical (clinical) exam.
6 - Program Competencies	
Integral competence	The ability to solve complex cases and problems in the field of health care by the specialty 221 Stomatology in professional activity or in the process of study, which involves conducting research and / or innovations and is characterized by uncertainty of conditions and requirements.
General competence (GC)	<p>GC1. Ability to abstract thinking, analysis and synthesis.</p> <p>GC2. Knowledge and understanding of the subject area and understanding of the profession.</p> <p>GC3 Ability to apply knowledge in practical situation.</p> <p>GC4. Ability to communicate in the state language both verbally and in writing.</p> <p>GC5. Ability to communicate in English.</p> <p>GC6. Skills of using information and communication technologies.</p> <p>GC7. Ability to search, process and analyze information from various sources.</p> <p>GC8. Ability to adapt and act in a new situation.</p> <p>GC9. Ability to identify, put and solve problems.</p> <p>GC10. Ability to be critical and self-critical.</p> <p>GC11. Ability to work in the team.</p> <p>GC12. The desire to save the environment.</p> <p>GC13. Ability to act in a socially responsible and civic conscious manner.</p> <p>GC14. 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>GC15. Ability to preserve and multiply moral, cultural, scientific values, and achievements of society based on understanding 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, techniques and technologies, active recreation and a healthy lifestyle.</p>
Special (professional, subject) competence	<p>SC1. Ability to collect medical information about the patient's condition and analyze clinical data.</p> <p>SC2. Ability to evaluate the laboratory and instrumental results.</p>

- SC3. Ability to diagnose: determine the preliminary, clinical, final, concomitant diagnosis, emergencies.
- SC4. Ability to plan and implement measures for the prevention of diseases of organs and tissues of the oral cavity and maxillofacial region.
- SC5. Ability to organize the process of providing medical care: to determine the approaches, plan, types, and principles of treatment of diseases of organs and tissues of the oral cavity and maxillofacial region.
- SC6. 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 region.
- SC7. 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.
- SC8. Ability to perform medical and stomatological manipulations.
- SC9. Ability to treat major diseases of organs and tissues of the oral cavity and maxillofacial region.
- SC10. Ability to organize and conduct medical and evacuation measures.
- SC11. Ability to determine tactics, methods and provide emergency medical care.
- SC12. Ability to organize and conduct screening examinations in Stomatology.
- SC13. Ability to assess the impact of the environment on the health of the population (individual, family, population).
- SC14. Ability to maintain regulatory medical records.
- SC15. Processing of state, social and medical information.
- SC16. Ability to organize and conduct rehabilitation measures and care for patients with diseases of the oral cavity and MFO.
- SC17. Ability to provide legal support for one's own professional activity.
- SC18. Ability to provide first aid according to the protocols of tactical medicine

7 –Program Learning Outcomes (PLO)

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PLO1. Distinguish and identify leading clinical symptoms and syndromes (according to list 1); by standard techniques using historical data of a patient's anamnesis, data of the patient's examination, knowledge of the person, his organs and systems, establish a probable nosological or syndromic pre-clinical diagnosis of dental disease (according to list 2).

PLO2. Collect information about the general condition of the patient, assess the psychomotor and physical development of the patient, the state of the maxillofacial area, based on the results of laboratory and instrumental studies, to evaluate information on the diagnosis (according to list 5).

PLO3. Assign and analyze laboratory, functional and / or instrumental examination (according to list 5) of a dental patient for conducting differential diagnosis of diseases (according to list 2).

PLO4. To determine the final clinical diagnosis, observing the relevant ethical and legal norms, by making a reasonable decision and logical analysis of the received subjective and objective data of the clinical, additional examination, conduction of differential diagnostics under the supervision of a doctor-supervisor in the conditions of a medical institution (according to the list 2.1).

PLO5. Establish a diagnosis of urgent conditions under any circumstances (at home, in the street, at a medical institution), in emergency situations, martial law, lack of information and limited time (according to list 4)

PLO6. Plan and implement measures for the prevention of dental diseases among the population to prevent the spread of dental diseases.

PLO7. Analyze the epidemiological state and carry out mass and individual measures, general and local medical and non-pharmacological prevention of dental diseases.

PLO8. Determine the way, plan, and nature of the dental disease treatment (according to list 2) by making a well-founded decision based on existing algorithms and standard schemes.

PLO9. Determine the nature, principles of the working regime, rest and necessary diet for the treatment of dental diseases (according to list 2) on the basis of a preliminary or final clinical diagnosis by making a reasonable decision based on existing algorithms and

standardized schemes.

PLO10. Determine the tactics of a dental patient managing with somatic pathology (according to list 3) by making a well-founded decision based on existing algorithms and standard schemes.

PLO11. Conduct treatment of major dental diseases by existing algorithms and standard circuits under the supervision of a physician-manager in a medical institution (according to list 2.1).

PLO12. Organize a medical- evacuation measures among the population, servicemen, in conditions of an emergency, including martial law, during the deployed stages of medical evacuation, taking into account the existing system of treatment and evacuation support.

PLO13. Determine the tactics of providing emergency medical care using recommended algorithms, under all circumstances based on a diagnosis of urgent condition in a limited time (according to list 4).

PLO14. Analyze and evaluate public, social and medical information using standard approaches and computer information technologies.

PLO15. Estimate the impact of the environment on the health of the population in a medical institution using standard methods.

PLO16. Formulate goals and define the structure of personal activity based on the results of the analysis of certain social and personal needs.

PLO17. Maintain a healthy lifestyle, use self-regulation and self-control techniques.

PLO18. To realize and be guided in the activities by civil rights, freedom and duties, to raise the general educational level.

PLO19. Comply to ethical, bioethical and deontological requirements in professional activities.

PLO20. To organize the necessary level of individual safety (your own and the persons you are cared about) in case of typical dangerous situations in the individual field of activity.

PLO21 Perform medical manipulations based on the preliminary (initial) and / or final clinical diagnosis (according to lists 2, 2.1) for different sections of population and under different conditions (according to list 6).

PLO22. Perform medical stomatological manipulations on the basis of the previous (initial) and / or final clinical diagnosis (according to lists 2, 2.1) for

different sections of population and in different conditions (according list 7).

PLO23. Perform emergency medical care using standard schemes, under any circumstances, on the basis of a diagnosis of an emergency condition (according to list 4) under conditions of limited time (according to lists 6, 7).

8 – Resources for the Program Implementation

Staffing

Meets the personnel requirements for ensuring the implementation of educational activities in the field of higher education (Resolution of the Cabinet of Ministers of Ukraine "About approval of licensing conditions for educational activities of educational institutions" from 30.12.2015 №1187 with changes from 10.05.2018 № 347).

Scientific and pedagogical staff of the university, which implements the educational program have a qualification corresponding to the specialty, scientific degree or academic title, a confirmed level of scientific and professional activity.

Material and technical resources

In compliance with the technological requirements for educational activities in the field of higher education and allows the educational process, scientific and medical work at the modern level in accordance with the requirements of the standard of higher education

The classrooms have a large amount of equipment to ensure the clarity of teaching disciplines, including anatomical models, wet specimen, models, mannequins, simulators, medical and diagnostic equipment (dental units, ultrasonic scalers, microscopes, etc.) not only to acquaint students with the achievements and opportunities of modern medical practice and Stomatology, but also to practice practical skills of laboratory and instrumental research methods, examination of a dental patient, care, medical manipulations and emergency care, including combat conditions. The educational process also uses sets of multimedia schemes, radiographs, computed tomography and magnetic resonance imaging, the results of general clinical, biochemical, immunological, instrumental and other diagnostic methods. These tools are used during the lectures, practical classes and meetings of student research groups.

In order to provide high-quality practical training for students in specialty 221 Stomatology, the university has a training center for simulation medicine, which is equipped with modern mannequins and simulators. A new modern dental phantom class (14 workplaces for stomatologists) has been created on the basis of the center, which is equipped with high-quality components. In the conditions of innovative technologies, with the use of high-tech mannequins

	<p>and simulation scenarios, practical skills are mastered with the help of phantoms, mannequins, simulators, which allows applicants to make variable steps, apply the method of “trial and error”, achieving a higher level of clinical competence.</p> <p>Provision of multimedia equipment for classrooms used for the educational process with applicants for a master's degree in 221 Stomatology is 96.2%</p>
<p>Information, educational and methodological resources</p>	<p>In compliance with the License Terms for educational conditions.</p> <p>Educational and methodological resources include curriculum, working curricula, work programs of academic disciplines (contain description, structure, objective and tasks, thematic plans of educational classes, list of individual tasks, list of questions and tasks for final control, methods and forms of control, evaluation criteria, recommended literature and information resources), methodical recommendations for professors, methodical instructions on the organization of independent work of applicants, reference books for students (syllabuses), practice programs, materials for attestation, etc. Provision of teaching materials from each component of the educational and professional program is 100%.</p> <p>A distance learning server has been created and is functioning at the university (moodle.bsmu.edu.ua). It has electronic teaching materials from all disciplines taught at the university, including in English.</p> <p>The library, the use of computer equipment and the Internet create a high level of information support. The library consists of: a central library and two libraries in dormitories. Reading rooms have 311 seats. The general book fund of the library taken on inventory consists of 393,700 copies of literature, including educational literature - 144,627 copies, scientific literature - 249,073 copies. The provision of the library with domestic and foreign professional periodicals used in the preparation of masters in the specialty 221 Stomatology, is 44 items, including 7 in English. An electronic catalog of information units is available on the library's website.</p> <p>The basic information about the university is placed on its official website (www.bsmu.edu.ua), namely, about the structure, licensed and accredited specialties, educational, scientific, medical activity, information</p>

	<p>for enrollee, graduates, samples of educational documents, educational and scientific structural subdivisions and their composition, list of disciplines, admission rules and contact information.</p> <p>In order to improve the quality of education and ensure the transparency of the educational process, the University has introduced an “Electronic Register of Student’s Performance” (https://ez.bsmu.edu.ua/),, which provides access to the results of performance to all interested participants in the educational process, as well as provides possibility of operative monitoring of performance.</p>
9 – Academic mobility	
National credit mobility	<p>National (internal) credit mobility is carried out in accordance with the Law of Ukraine “On Higher Education”. The Regulations on Academic Mobility of the BSMU provide the possibility of internal (national) academic mobility. Recognition and re-crediting the ECTS credits received in a higher education institution of Ukraine on the basis of bilateral or multilateral agreements between the university and partner higher education institutions is allowed.</p>
International credit mobility	<p>International (external) credit mobility is carried out in accordance with the Law of Ukraine “On Higher Education”. The Regulations on Academic Mobility of BSMU provide the possibility of external (international) academic mobility. Recognition and re-crediting of ECTS credits obtained in higher education institutions of other countries on the basis of bilateral or multilateral agreements between the university and partner higher education institutions is allowed.</p>
Training of foreign higher education applicants	<p>Education of foreign students is carried out in accordance with the requirements of the legislation.</p> <p>License to expand educational activities to train foreigners and stateless persons in the specialty 221 “Stomatology”, educational degree “Master” (Order of the Ministry of Education and Science of Ukraine “On licensing of education” from 24.05.2019 661-1, protocol of the Licensing Commission of the Ministry of Education and Science of Ukraine №135 dated 23.05.2019)</p>

2. LIST OF COMPONENTS OF THE EDUCATIONAL PROGRAM

Code of the course	Components of the educational program	Number of credits	Form of final control
Compulsory components (CC) of an educational program (EP)			
1.1 General Training Cycle			
CC1	Ukrainian Language as foreign	12	FMC
CC2	Philosophy	3	Credit
CC3	Latin Language and Fundamentals of Medical Terminology	3	FMC
CC4	Medical Biology	5	FMC
CC5	Medical and Biological Physics. Medical Informatics.	4	FMC
CC6	Biological and Bioorganic Chemistry	8	FMC
CC7	Human Anatomy	11	FMC
CC8	Histology, Cytology and Embryology	7	FMC
CC9	Physiology	6	FMC
CC10	Microbiology, Virology and Immunology	5	FMC
Total		64	
1.2 Professional and Practical Training Cycle			
CC11	Safety Medicine and Fundamentals of Bioethics and Biosafety. Labor Protection in the Field.	3	Credit
CC12	Therapeutic Stomatology Propaedeutic	3	FMC
CC13	Orthopedic Stomatology Propaedeutic	3	FMC
CC14	Children Stomatology Propaedeutic	3	FMC
CC15	Pathomorphology	6	FMC
CC16	Pathophysiology	6	FMC
CC17	Pharmacology	6	FMC
CC18	Clinical Anatomy and Operative Surgery	3	FMC
CC19	Internal Medicine Propaedeutic	3	FMC
CC20	Hygiene and Ecology	3	FMC
CC21	Emergency and Urgent Medical Aid	2	FMC
CC22	Internal Medicine (Including Infectious Diseases and Epidemiology, Clinical Pharmacology)	8,5	FMC
CC23	Surgery (Including Oncology and Neurosurgery)	8	FMC
CC24	Social Medicine, Public Health and Fundamentals of Evident Medicine	3	FMC
CC25	Social Medicine, Public Health and Medical Law of Ukraine	3	FMC
CC26	Prevention of Dental Diseases	4	FMC
CC27	Therapeutic Stomatology	16	FMC
CC28	Dental Surgery	14,5	FMC
CC29	Orthopedic Stomatology	14,5	FMC
CC30	Orthodontics	10	FMC

CC31	Pediatric Therapeutic Stomatology	7	FMC
CC32	Pediatric Dental Surgery	6	FMC
CC33	Emergency and Urgent Medical Aid	3	FMC
CC34	General Medical Training (Ophthalmology, Neurology, (Including NeuroStomatology;) Dermatology, Venereology; Psychiatry, Narcology; Medical Psychology; Physical Rehabilitation, Endocrinology)	11,5	Credit
CC35	Othorhinolaryngology	3	FMC
CC36	Radiology	3	FMC
Total		157	
1.3 Practical Preparation Cycles			
CC37	Professional Practice. Patients' Care (in Hospital Departments)	3	FMC
CC38	Professional Practice. Nurse Practice in a Stomatological Clinic	3	FMC
Total		6	
Total amount of the required components:		224	
Optional Components (OC) of the Educational Program			
OC1	Formation of Stomatology as a Science	4	Credit
OC2	Outstanding People in Ukrainian Medicine	4	Credit
OC3	Medical Chemistry	4	Credit
OC4	The Role of Chemical Elements in Human's Life	4	Credit
OC5	European Standard of Computer Literacy	4	Credit
OC6	Information Technology in Stomatology	4	Credit
OC7	Fundamentals of Psychology and Interpersonal Communication	4	Credit
OC8	Psychological Technologies of Negotiation and Conflict Resolution	4	Credit
OC9	Health Psychology	4	Credit
OC10	Religious Studies	4	Credit
OC11	Communication Training	4	Credit
OC12	Medical Informatics and Biostatistics in Stomatology	3,5	Credit
OC13	WEB-design	3,5	Credit
OC14	Modern Peculiarities of Tooth Preparation	4	Credit
OC15	Materials Science in Orthopedic Stomatology	3,5	Credit
OC16	Deontology in Medicine	3,5	Credit
OC17	Visual Psychodiagnostics	3,5	Credit
OC18	Emotional Intellect	3,5	Credit
OC19	Psychology of Conflict	3,5	Credit
OC20	Psychology of Influence	3,5	Credit
OC21	Psychology of Leadership	3,5	Credit
OC22	Training of Communicative Competence of a	3,5	Credit

	Stomatologist		
OC23	Local Anesthesia of the Maxillofacial Area	3	Credit
OC24	Typical and Atypical Removal of Teeth of Maxilla and Mandibula	3	Credit
OC25	Current Issues of Endodontics	3	Credit
OC26	Fundamentals of Aesthetic Tooth Restoration	3	Credit
OC27	Modern Methods of Endogenous and Exogenous Prevention of Dental Caries	3	Credit
OC28	Basic Technologies of Dentures Manufacture	3	Credit
OC29	Psychology of Crisis	3	Credit
OC30	Fundamentals of Social Psychology	3	Credit
OC31	Psychology of Leadership	3	Credit
OC32	Psychology of Management	3	Credit
OC33	Psychology of Talent	3	Credit
OC34	Business Organization in Medicine	3	Credit
OC35	Medical Genetics	3	Credit
OC36	Stomatology Pediatrics	3	Credit
OC37	Urgent Conditions in Pediatrics	3	Credit
OC38	Tuberculosis of the Maxillofacial Localization	3	Credit
OC39	Endodontic Treatment in Pediatric Stomatology	3	Credit
OC40	Modern Principles of Diagnosis and Treatment of Patients with Periodontal Diseases	3	Credit
OC41	Temporary (Evacuation-Transport) and Permanent (Medical) Immobilization for Maxillar and Mandibular Fractures	4	Credit
OC42	Technique of Suturing Soft Tissue Injuries of the Maxillofacial Area	4	Credit
OC43	Modern Technologies of Solid-Cast Prosthetics	4	Credit
OC44	Fundamentals of Smoking, Alcoholism, and Drug Addiction Prevention	4	Credit
OC45	Sexology and Sexopathology	3	Credit
OC46	Cosmetology	3	Credit
OC47	Gender Psychology	3	Credit
OC48	Fundamentals of Psychoanalysis	3	Credit
OC49	Family Psychology	3	Credit
OC50	Management Psychology	3	Credit
OC51	Body-Oriented Psychology	3	Credit
OC52	Business Organization in Medicine	3	Credit
OC53	Modern Technologies for the Use of Fixed Orthodontic Appliances	3,5	Credit
OC54	Tooth Extraction in Children. Minimal Invasion Technique	3,5	Credit
OC55	Aesthetic Stomatology - Smile Design	3,5	Credit
OC56	Surgical Preparation of Oral Cavity for Prosthetics	3,5	Credit
OC57	Surgical Stages of Dental Implantation	3,5	Credit

OC58	The Main Aspects of the Orthopedic Protocol of Dental Implantation	3,5	Credit
OC59	Aesthetic Aspects in the Clinic of Orthopedic Stomatology	3,5	Credit
OC60	Academic Training in Therapeutic Stomatology with the Fundamentals of Modern Periodontology	5	Credit
OC61	Academic Training in Therapeutic Stomatology with the Elements of Modern Endodontics	5	Credit
OC62	Academic Training with the Fundamentals of Modern Full Removable Prithetics	5	Credit
OC63	Academic Training with the Fundamentals of Maxillofacial Orthopedics and Dental Implantation	5	Credit
OC64	Academic Training in Surgical Stomatology and Maxillofacial Surgery	5	Credit
OC65	Academic Training in Surgical Stomatology with the Fundamentals of Reconstructive Surgery	5	Credit
OC66	Academic Training in Prevention of Dental Diseases in Children	3	Credit
OC67	Academic Training in Children's Therapeutic Stomatology	3	Credit
OC68	Professional Stomatological Practice (Optional)	15	Dif. Credit
Total amount of the optional components:		76	
Attestation			USQE
TOTAL AMOUNT OF THE EDUCATIONAL PROGRAM		300	

Note: FMC – Final Module Control

3. STRUCTURAL-LOGICAL DIAGRAM

Succession of educational activity of a student:

Year of studies	Types of educational activity
1st year (60 credits ECTS)	Standard disciplines (51 credits ECTS) Elective courses (9 credits ECTS)
2nd year (60 credits ECTS)	Standard disciplines (56 credits ECTS) Elective courses (4 credits ECTS)
3rd year (60 credits ECTS)	Standard disciplines (56 credits ECTS) Elective courses (4 credits ECTS)
4th year (60 credits ECTS)	Standard disciplines (54 credits ECTS) Elective courses (6 credits ECTS)
5th year (60 credits ECTS)	Standard disciplines (30 credits ECTS) Elective courses (30 credits ECTS)

Succession of educational activity of a student (according to the years of studies):

№	Name of the subject	Distribution for years				
		1	2	3	4	5

1	Ukrainian Language as foreign	*	*	*	*	
2	Philosophy	*				
3	Latin Language and Fundamentals of Medical Terminology	*				
4	Medical Biology	*				
5	Medical and Biological Physics. Medical Informatics.	*				
6	Biological and Bioorganic Chemistry	*	*			
7	Human Anatomy	*				
8	Histology, Cytology and Embryology	*				
9	Safety Medicine and Fundamentals of Bioethics and Biosafety. Labor Protection in the Field.	*				
10	Physiology		*			
11	Microbiology, Virology and Immunology		*			
12	Therapeutic Stomatology Propaedeutic		*			
13	Therapeutic Stomatology Propaedeutic		*			
14	Children Stomatology Propaedeutic		*			
15	Pathomorphology		*	*		
16	Pathophysiology		*	*		
17	Pharmacology		*	*		
18	Clinical Anatomy and Operative Surgery		*			
19	Internal Medicine Propaedeutic		*			
20	Hygiene and Ecology		*			
21	Emergency and Urgent Medical Aid		*			
22	Professional Practice. Patients' Care (in Hospital Departments)		*			
23	Professional Practice. Nurse Practice in a Stomatological Clinic		*			
24	Internal Medicine (Including Infectious Diseases and Epidemiology, Clinical Pharmacology)			*	*	
25	Surgery (Including Oncology and Neurosurgery)			*	*	
26	Social Medicine, Public Health and Fundamentals of Evident Medicine			*		
27	Radiology			*		
28	Prevention of Dental Diseases			*		
29	Therapeutic Stomatology			*	*	*
30	Surgical Stomatology			*	*	*
31	Orthopedic Stomatology			*	*	*
32	Orthodontics			*	*	*
33	Pediatric Therapeutic Stomatology				*	*
34	Pediatric Dental Surgery				*	*
35	Emergency and Urgent Medical Aid					*
36	General Medical Training (Ophthalmology, Neurology, (Including Neurodentistry); Dermatology, Venereology; Psychiatry, Narcology; Medical Psychology; Physical Rehabilitation, Endocrinology)					*
37	Otorhinolaryngology				*	

38	Social Medicine, Public Health and Medical Law of Ukraine					*
39	Professional Stomatological Practice			*	*	*
40	Elective Courses	*	*			*
	Attestation			*		*

4. Matrix of Correspondence of the Program Competences to Components of the Educational Program

Compulsory components Program Competences	CC1	CC2	CC3	CC4	CC5	CC6	CC7	CC8	CC9	CC10	CC11	CC12	CC13	CC14	CC15	CC16	CC17	CC18
IC	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
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								+			+	+	+	+	+		+	
SC 1	+	+					+		+		+		+		+	+		+
SC 2		+	+			+	+	+	+	+		+	+	+	+	+		+
SC 3										+			+		+	+		
SC 4						+				+	+				+	+		
SC 5												+		+		+		
SC 6									+		+					+		
SC 7															+	+		
SC 8										+		+		+				+
SC 9										+							+	
SC 10		+																
SC 11																	+	+
SC 12																		
SC 13		+		+	+	+			+	+	+					+		
SC 14	+		+							+	+	+	+	+			+	
SC 15	+									+	+	+	+	+	+	+		
SC 16																		
SC 17											+	+	+	+				
SC 18										+			+					

Compulsory components Program Competences	CC 19	CC 20	CC 21	CC 22	CC 23	CC 25	CC 26	CC 27	CC 28	CC 29	CC 30	CC 31	CC 32	CC 33	CC 34	CC 35	CC 36	CC 37	CC 38	CC 39
	IK	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
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	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+		+		+
SC 1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+
SC 2	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
SC 3	+		+			+	+		+	+	+	+	+	+	+	+	+	+	+	
SC 4		+				+	+	+	+	+	+	+	+	+		+				
SC 5						+	+		+	+	+	+	+	+		+				+
SC 6		+						+	+	+	+	+	+	+		+				
SC 7									+	+	+		+							
SC 8			+					+	+	+	+	+	+	+	+	+	+		+	+
SC 9									+	+	+		+	+	+		+			
SC 10		+	+	+	+					+	+				+			+		
SC 11	+		+						+	+	+				+	+	+		+	
SC 12						+	+	+	+	+	+	+					+			
SC 13	+	+		+	+	+	+	+		+	+	+								
SC 14	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+
SC 15	+		+	+	+	+	+	+	+	+	+	+		+		+	+			
SC 16								+		+	+	+	+	+		+				
SC 17	+			+	+	+	+	+		+	+	+	+	+			+			+
SC 18	+		+	+	+						+					+	+			

5. Matrix of Program Learning Outcomes Provision with Relevant Components of the Educational Program

Compulsory components Program Learning Outcomes	CC1	CC2	CC3	CC4	CC5	CC6	CC7	CC8	CC9	CC10	CC11	CC12	CC13	CC14	CC15	CC16	CC17	CC18
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																		+

Program Learning Outcomes	Compulsory components																			
	CC 19	CC 20	CC 21	CC 22	CC 23	CC 24	CC 25	CC 26	CC 27	CC 28	CC 29	CC 30	CC 31	CC 32	CC 33	CC 34	CC 35	CC 36	CC 37	CC 38
PLO 1	+			+	+				+	+	+	+	+	+	+	+				+
PLO 2				+	+			+	+	+	+	+	+	+	+	+	+	+		+
PLO 3					+			+	+	+	+	+	+	+	+	+		+		+
PLO 4					+				+	+	+	+	+	+	+	+				
PLO 5			+	+	+				+	+					+	+	+			+
PLO6		+				+	+	+	+	+	+	+	+	+						+
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			+		+				+	+	+				+	+			+	+

6. FORMS OF ATTESTATION OF HIGHER EDUCATIONAL APPLICANTS

Attestation of applicants for the second (Master's) level of higher education according to the educational-professional training program in the specialty 221 Stomatology is carried out in the form of a unified state qualification exam (USQE).

USQE is carried out in accordance with resolution №334 “On adoption of the Unified State Qualification Exam Procedure for the students enrolled in the Master’s academic program and majoring in “Healthcare” branch of knowledge”, adopted by the Cabinet of Ministers of Ukraine on March 28, 2018, which consists of the following components:

- Integrated test “KROK”; which assesses the compliance of the quality of training with higher education standards and is conducted by the “Testing Board for Professional Competence Assessment of Higher Education Trainees in Medicine and Pharmacy at the Ministry of Health of Ukraine” (hereinafter “the Testing Board at the MOH”) according to the Regulations on the system of licensed integrated examinations;

- Professional English exam, which assesses student’s knowledge in professional English and is conducted by the Testing Board at the MOH;

- objective structured practical (clinical) exam, which assesses if the graduate is ready to pursue professional activities in accordance with the requirements of the standard of higher education by demonstrating practical (clinical) components of professional competence on a real object or model and conducted by the BSMU examination commission.

Attestation is carried out openly and publicly.

If all the requirements of the educational program are carried out, and the attestation is completed successfully, the graduate receives a document of higher education (diploma) that awards them a master's degree with the qualification: “Master of Stomatology. Stomatologist”.

5. The List of Regulatory Documents, the Curriculum is Based On

1. Law of Ukraine “On Higher Education” 01.07.2014 №1556-VII.
2. Law of Ukraine “On Education” 01.07.2014 №2145-VIII.
3. Law of Ukraine “On Licensing of Certain Types of Economic Activity” 02.03.2015 № 222-VIII.
4. Decision of the Cabinet of Ministers of Ukraine dated 29.04.2015 № 266 “On Approval of Professional Areas and Specialties Training Applicants for Higher Education”
5. Licensing terms concerning implementation of educational activity approved by the Resolution of the Cabinet of Ministers of dated on 30.12.2015, № 1187
6. National Qualification Frame. Supplement to the Decision of the Cabinet of Ministers of Ukraine dated on 23.11.2011, № 1341.
7. The order to implementation of a unified state qualification exam for the Masters, applicants for higher education, on specialties in the professional area “22 Health Care”, approved by the Resolution of the Cabinet of Ministers of Ukraine dated on 28.03.2018, № 334.
8. National Classifier of Ukraine: Classifier of Professions DK 003: 2010 (approved and entered into force by the order of Derzhspozhyvstandart of Ukraine dated 28.07.2010 № 327).
9. Order of the Ministry of Education and Science of Ukraine “Some Issues of Publishing Information about Activities of Higher Education Institutions” dated on 19.02.2015 №166
10. Order of the Ministry of Education and Science of Ukraine “On Approval of Standard in Specialty 221 “Stomatology” for the Second (Master’s) Level of Higher Education” dated on 24.06.2019 № 879
11. Methodical recommendations for the development of standards of higher education // Order of the Ministry of Education and Science of Ukraine dated on 01.06.2017 №600 (as amended by the order of the Ministry of Education and Science of Ukraine dated 21.12.2017 №1648).
12. Recommendations of the National Agency for Quality Assurance in Higher Education regarding the introduction of an internal quality assurance system (decision of the National Agency for Quality Assurance in Higher Education dated on 26.06.2019, protocol № 6).
13. Recommendations for higher education institutions on the development and implementation of the university system of academic integrity (decision of the National Agency for Quality Assurance in Higher Education of October 29, 2019, protocol № 11).

List 1. Syndromes and Symptoms

1. adentia
2. anemia
3. bite anomaly
4. asymmetry of the face
5. atrophy
6. painful dysfunction of the TMJ
7. pain in 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. humming (open, closed)
20. deviation of the mandible destruction of bone tissue
21. defects of the crown of the tooth
22. deformation of the bones of the facial skeleton
23. deformation of the bite
24. discoloration of teeth
25. facial disproportion
26. jaundice
27. shortness of breath and asphyxia
28. inflammatory infiltrate of the tissues of the maxillofacial area
29. dizziness
30. discoloration of the skin, mucous membranes of the mouth
- change of the tooth shape
32. change in interalveolar height
33. elements of the lesion on the skin and mucous membranes of the oral cavity
34. convergence (divergence) of teeth
35. xerostomia
36. fever
37. lymphadenopathy
38. macroglossia
39. macrocheilia
40. maceration of the corners of the mouth
41. meningeal syndrome
42. edematous syndrome
43. dental deposits

44. fistula
45. restriction of mouth opening
46. paresis, paralysis of the nerves of the maxillofacial localization
47. heartburn
48. pathological abrasion of teeth
49. movement disorders of the lower jaw
50. taste disturbance
51. violation of the sensitivity of the tissues of the maxillofacial area
52. dysfunction of sucking, swallowing pathological mobility of teeth
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. "devastation-filling"
58. partial and complete loss of teeth
59. fluctuation
60. chemosis
61. cyanosis (diffuse and local)
62. slit facial defects, syndrome I-II gill arch
63. gingival, periodontal, bone pocket

List 2. Stomatological Diseases

1. Therapeutic Stomatology:

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

1. hyperaesthesia
2. hypoplasia of the enamel
3. fluorose
4. erosion of the hard tissues
5. wedge-shaped defect
6. pathological tooth abrasion
7. hard tissue necrosis of the tooth
8. discolorations
9. traumatical injuries of teeth

B) Dental caries and its complications:

10. caries
11. pulpitis
12. periodontitis

C) Diseases of parodontium:

13. pappilitis

14. gingivitis (localized and generalized)
15. parodontitis (localized and generalized)
16. parodontosis
17. idiopathic diseases of parodontium

D) Diseases of mucous membrane of the oral cavity

18. traumatic injuries of MMOR (mucous membrane of the oral cavity)
19. auto infectious diseases of MMOR (acute, aphthous stomatitis, herpetic, ulcerous-nercrotic, candidal lesions of MMOR)
20. secondary bacterial diseases (diphtheria, tuberculosis, syphilis, gonorrhoea)
21. MMOR disease in dermatosis with an autoimmune component of pathogenesis (pustular, red lichen planus, red lupus)
22. changes of MMOR with allergic lesions
23. MMOR changes in intoxication with salts of the heavy metals
24. symptomatic viral diseases (AIDS, flu, foot and mouth disease, infectious mononucleosis).
25. symptomatic manifestations of MMOR diseases of the gastrointestinal tract (peptic ulcer disease, gastritis, enteritis, colitis, chronic hepatitis)
26. symptomatic manifestations of cardiovascular diseases (cardiovascular failure, essential hypertension)
27. symptomatic manifestations of MMOR diseases of the endocrine system (acromegaly, Itsenka-Cushing's syndrome, diabetes mellitus, hyperthyroidism and hypothyroidism)
28. symptomatic manifestations of MMOR in blood diseases (anemia, thrombocytopenic purpura, leukemia)
29. symptomatic manifestations of hypo-and avitaminosis in MMOR
30. diseases and abnormalities of the tongue (desquamative glossitis, rhomboid glossitis, folded tongue, hairy tongue)
31. neurogenic diseases of the tongue (glossalgia, stomalgia, ganglionitis)
32. cheilitis independent and symptomatic (actinic, meteorological, contact allergic, glandular, exfoliative, eczematous, atopic)

E) Pre-cancer of MMOR and Vermilion border of the lip:

33. obligate pre-cancers (Bowen's disease, warty precancer, limited pre-cancerous hyperkeratosis, cheilitis Manganotti)
34. facultative pre-cancers

2. Pediatric Stomatology:

A) Pathology of teeth:

35. enamel hypoplasia (systemic and local)
36. endemic fluorosis
37. birth defects in the development of hard teeth tissues in children
38. caries and its complications in temporary and permanent teeth in children
39. traumatic dental injuries

B) Periodontal pathology:

40. gingivitis
41. idiomatic periodontal diseases
42. parodontitis

C) Pathology of the mucous membrane of the oral cavity:

43. MMOR allergic diseases
44. Anomalies and tongue diseases
45. fungal lesions of MMOR in children
46. MMOR changes in systemic diseases
47. MMOR changes in specific diseases
48. manifestations of acute viral and infectious diseases on MMOR (diphtheria, chicken pox, measles, infectious mononucleosis, scarlet fever).
49. viral diseases of MMOR (acute herpetic stomatitis, recurrent herpetic stomatitis, herpes zoster)
50. independent and symptomatic cheilitis, glossitis

D) Inflammatory diseases of dento-facial area:

51. periostitis
52. diseases of the temporomandibular joint
53. diseases of the salivary glands
54. lymphadenitis
55. neodontogenic inflammatory processes of soft tissues (furuncle, carbuncle, erysipelas)
56. jaw osteomyelitis
57. specific inflammatory processes
58. phlegmons and abscesses

E) Injuries of dento-facial area:

59. soft tissues injuries (wounds, burns), teeth, jaws, facial bones

F) Tumors and tumor-like formations of the dento-facial region:

60. qualitative tumors and tumor-like formations of soft tissues and bones of the face
61. malignant tumors of soft tissues and bones of the face

G) Congenital malformations of the face:

62. non-union of the upper lip, alveolar process, hard and soft tissues (isolated and through)
63. anomalies of soft tissue attachment in the oral cavity (frenulum of the lip, tongue shallow vestibulum of the oral cavity)

H) Diseases of the TMJ, ankylosis

3.Surgical stomatology:

A) Inflammatory diseases of dento-facial area:

- 65. deep and superficial phlegmons, abscesses
- 66. lymphadenitis
- 67. neuritis of the trigeminal nerve, facial nerve, neuralgia
- 68. neodontogenic inflammatory processes
- 69. odontogenic sinusitis
- 70. parodontitis, periodontitis, alveolitis, periostitis, osteomyelitis; pericoronaritis
- 71. inflammatory diseases of the salivary glands
- 72. specific inflammatory processes (tuberculosis, syphilis, actinomycosis)

B) Injuries to the maxillofacial area:

- 73. injuries of the teeth and bones of the facial skeleton
- 74. injuries of soft tissues, tongue and mucous membrane of the mouth
- 75. gunshot and non-fatal wounds of tissues of maxillofacial localization; cranio-dental-facial injuries
- 76. thermal, chemical, electrical and radial damages of tissues of maxillofacial localization; combined injury

C) Diseases of the temporomandibular joint:

- 77. arthritis, arthrosis, arthritus, arthrosis
- 78. ankylosis
- 79. temporomandibular jointdysfunction, dislocation and contracture of the mandible

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

- 80. benign tumors and tumor-like structures of MMOR, salivary glands, soft tissues of the maxillofacial localization and neck, bones of the facial skeleton
- 81. pre-cancerous diseases and malignant tumors of MMOR, 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 of development of teeth, congenital jaw deformities, defects and deformation of the bones of the facial skeleton, combined anomalies and deformations of the cerebral and facial skeleton and the dental-jaw system
- 83. congenital defects and deformities of soft tissues of the head and neck

84. . acquired defects and deformation of soft tissues of maxillofacial localization and neck, bones of the facial skeleton
85. age-related changes in soft tissues of the face and neck, vertical and horizontal atrophy of the alveolar processes of the jaw bones, adentias, gingival recession
86. cosmetic defects and deformation 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) Neuro-stomatological diseases

90. neuritis, neuralgia of the trigeminal nerve

4.Orthopedic stomatology:

91. partial loss of teeth
 - a) distal limited defects in the dentition
 - b) distally unlimited defects of dentition
92. total loss of teeth
93. excessive abrasion of teeth
94. defects of the crown part of the teeth
95. complete destruction of the crown part of the tooth
96. secondary deformation of the dentition
97. para-function of chewing muscles
98. bruxism
99. injuries and defects of the jaw, nose, ears, orbits, combined defects
100. diseases of TMJ
101. disfunctions of TMJ

5. Orthodontics

A) Anomalies of individual teeth:

102. sizes
103. shape
104. quantities
105. retention

B) Anomalies in the position of the teeth:

106. diastems and thremas
107. crowding of teeth

108. tartoanomalial
109. vestibulo-oral position of the teeth, dystopia, retention, supra-infraposition

C) Sagittal anomalies of bite:

110. progenia (mesial) (skeletal, dental alveolar)
111. prognathia (distal) (skeletal, dental alveolar)

D) Vertical bite anomalies:

112. open (skeletal, dental veolar)
113. deep (skeletal, dental alveolar)

E) Transverse anomalies of bite:

114. cross-sectional (one-or two-sided, with displacement, or without displacement of the mandible) (skeletal, dental alveolar).

List 2.1 The Most Common Dental Diseases

1. non-carious lesions of the teeth
2. caries of temporary and permanent teeth
3. diseases of the pulp 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 MMOR (acute aphthous stomatitis, herpetic, ulcerative-necrotic, candidiasis lesions of MMOR)
11. secondary bacterial diseases (diphtheria, tuberculosis, syphilis, gonorrhoea)
12. manifestations of immunodeficiency of MMOR (AIDS)
13. allergic lesions
14. alveolitis
15. pericoronaritis
16. periositis
17. lymphadenitis
18. traumatic damages of soft facial tissues
19. acute and common dislocation of the lower jaw
20. uncomplicated fractures of the upper and lower jaws
21. defects of the coronal part of the teeth
22. partial and complete absence of teeth

List 3.
Physiological Conditions and Somatic Diseases Requiring Special Patient Management Strategies

A) Physiological conditions:

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 disease
9. arrhythmia
10. heart failure
11. cardiostimulator

D) Mental disorders:

12. acute psychosis, including alcohol delirium
13. epilepsy

E) Diseases of the respiratory system and mediastinum:

13. bronchial asthma

F) Pathology of the ENT organs:

15. tonsillitis
16. rhinitis
17. sinusitis
18. curvature of the nasal membrane

G) Diseases of the endocrine system:

14. diabetes mellitus
15. diseases of the thyroid gland

H) Pathology of the musculoskeletal system and connective tissue:

14. systemic vasculitis (hemorrhagic vasculitis)
22. rheumatoid arthritis
23. Posture disorders

I) Infectious and parasitic diseases:

17. HIV / AIDS
18. viral hepatitis
19. diphtheria
20. tetanus
21. anthrax
22. tuberculosis of different localization
23. cholera
24. plague
25. gonorrhoea
26. syphilis

List 4. Urgent States

1. asphyxia (including newborns)
2. hypertensive crisis
3. acute respiratory failure
4. acute heart failure
5. acute poisoning
6. "sharp" stomach
7. electrical trauma
8. unconsciousness
9. external bleeding
10. collapse
11. coma
12. edema of the larynx
13. Queen's edema
14. burns and frostbite
15. convulsions
16. drowning
17. Physiological birth
18. shock
19. trauma of bones

List 5. Laboratory and Instrumental Studies

1. analysis of neoplastic punctata of soft tissues and bones

2. histomorphological study of bioptic pattern of lymph nodes, salivary glands, mucous membranes, soft tissues
3. analysis of blood glucose content
4. study of control and diagnostic models of jaws
5. study of the functions of maxilla-dental dysplasia (breathing, swallowing, speech, chewing and temporomandibular joint)
6. full blood count
7. common urine analysis
8. biochemical blood assay
9. immunological study in dental diseases
10. analysis of the coagulogram
11. interpretation of radial diagnostics of the skull, jaw and dental apparatus, salivary glands
12. cytological examination of organs and tissues of jaw and dental apparatus,
13. microbiological study of oral fluid, smears from MMOR, periodontal disease
14. functional diagnostics of the oral cavity (luminescent, reoparodontography, stomatology, angioscopy, vacuum test, etc.).

List 6. Medical Manipulations

1. to perform artificial respiration;
2. to carry out an indirect heart massage;
3. to fix the tongue;
4. to make a temporary stop of external bleeding;
5. to conduct primary surgical treatment of wounds;
6. to rinse the stomach, intestine;
7. to carry transport immobilization;
8. to inject medicinal substances (intramuscular, subcutaneous, intravenous, and drop introduction);
9. to measure arterial pressure;
10. to carry out the primary toilet of the newborn;
11. to determine blood groups, Rh-affinity

List 7. Stomatological Manipulations

1. alveolotomy
2. amputation of the pulp of temporary and permanent teeth
3. anthropometric studies of jaw models
4. selective polishing of the teeth, alignment of the occlusal surface, occlusogram
5. manufacture of temporary splints and splinting for fractures of the teeth, alveolar processes and jaws
6. removal of dental layers
7. determining the acid resistance of the tooth enamel (TER, CEERR, CT-tests)

8. determination and fixation of the central ratio
9. determination of Tsilinsky's symptom
10. determination of constructive occlusion
11. determination of the sagittal gap
12. determination of the vertical gap
13. determination of signs of orthognathic occlusion and its varieties
14. 1determination of signs of pathological types of bites
15. reduction of the dislocation of the mandible
16. fissure sealing
17. diagnostic use of dyes
18. diathermocoagulation
19. pulp extirpation of the temporary and permanent teeth
20. electrodentto diagnostics
21. the use of drugs locally in the treatment of periodontal disease and MMOR
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 in periodontitis
25. control bleeding after tooth extraction
26. impregnation of hard tissues of temporary teeth
27. correction of partial and complete removable dentures
28. correction and activation of removable orthodontic appliances
29. curettage of the socket
30. curettage of periodontal pockets
31. drug treatment of the affected areas of the mucous membrane of the oral cavity and periodontal disease
32. overlaying and removing temporary seals and sealing bandages when treating caries, pulpitis, periodontitis
33. overlaying of rubber dam
34. application of maxillofacial devices (repositioning, forming, replacing and fixing)
35. obturation of root canals of temporary and permanent teeth with different materials
36. receiving anatomical and functional imprints with different imprint material
37. receiving models of jaws
38. receiving imprints from intraosseous implants
39. parallelometry when planning the design of a clasp prosthesis
40. check the design of the prosthesis with partial and complete absence of teeth
41. periostotomy

42. stopping of carious cavities of temporary and permanent teeth with different filling materials
43. covering teeth with therapeutic and preventive varnishes, gels
44. preparation of teeth under a metal stamped, plastic all-cast, all-cast combined, metal-free crown
45. preparation of teeth for build-ups and veneers
46. preparation and cleaning of root canals of temporary and permanent teeth
47. preparation of a tooth root for a pin
48. preparation of carious cavities of temporary and permanent teeth taking into account the type of filling material.
49. fitting different kinds of artificial crowns
50. conduction of intradental electrophoresis
51. ligature ligation of teeth
52. professional hygiene of the oral cavity
53. professional hygiene in the implant area
54. conduction physiological separation
55. conducting periodontal intubation
56. direct and indirect pulp covering
57. registration of the position of the upper jaw with a facial arch
58. disclosure of the periodontal abscess
59. incision and cutting of the operculum in pericoronaritis
60. IHOR(individual hygiene of oral cavity) algorithm management
61. temporary immobilization for jaws fractures
62. typical and atypical removal of temporary and permanent teeth
63. cystotomy
64. fixation of crowns and bridge-like prosthetics
65. fixation of an orthodontic ring, crown
66. fixation of the central ratio in II, III, IV groups of malformations
67. surgical treatment of wounds of soft facial tissues within anatomical area of
68. seal polishing from all kinds of fillings