

**MINISTRY OF HEALTHCARE OF UKRAINE  
POLTAVA STATE MEDICAL UNIVERSITY**



**ACADEMIC AND PROFESSIONAL PROGRAM  
DENTISTRY**

**of the second (master's) level of higher education**

**in the specialty 221 Dentistry**

**field of knowledge 22 Healthcare**

**academic qualification: Master of Dentistry**

**APPROVED**

minutes of the Academic Council of the Academy  
as of May 26, 2016 No. 9

Academic and professional program  
comes into force on September 1, 2016

Order of the Rector  
as of May 27, 2016 No. 150-a

Amendments and additions to the Educational  
Professional Program approved by the Academic  
Council of the University dated June, 15, 2022,  
the minutes № 10, will come into force on  
September, 1, 2022.

The order of the rector № 165 of June, 21, 2022.

**Poltava 2022**

**AGREEMENT LETTER  
OF ACADEMIC AND PROFESSIONAL PROGRAM**

Agreed

Head of the Curriculum Department \_\_\_\_\_ I.I. Starchenko

« 10 » June 2022

Agreed

Dean of the Dental Faculty \_\_\_\_\_ A.I. Sydorova

« 10 » June 2022

Agreed

Dean of the International Faculty \_\_\_\_\_ L.V. Buria

« 10 » June 2022

## FOREWORD

Academic and professional program Dentistry of the second (master's) level of higher education in the specialty 221 "Dentistry", the field of knowledge 22 Healthcare, is developed in accordance with the Law of Ukraine "On Higher Education", Standard of higher education in specialty 221 "Dentistry" in the field of knowledge 22 "Healthcare" for the second (master's) levels of higher education, Resolution of the Cabinet of Ministers as of 29.04.2015 No. 266 "On approval of the list of fields of knowledge and specialties in which higher education applicants are trained", Resolution of the Cabinet of Ministers of Ukraine as of 23.11.2011 No. 1341 "On approval of the National Qualifications Framework" as amended in accordance with the Resolutions of the Cabinet of Ministers as of 12.06.2019 No.509, 25.06.2020 No.519, Resolution of the Cabinet of Ministers of Ukraine as of 28.03.2018 No.334 "On approval of the Procedure for a single state qualification examination for applicants for a master's degree in the field of knowledge "Healthcare", the Resolution of the Cabinet of Ministers of Ukraine as of 30.12.2015 No.1187 "On approval of license conditions for academic activities of educational institutions" and other applicable regulations.

Academic and professional program is a normative document, which defines the profile of academic and professional program in specialty 221 "Dentistry", the list of program components and their logical sequence, the number of ECTS credits required to implement this program, the form of certification of higher education applicants.

Academic and professional program was developed by the working group of Poltava State Medical University, consisting of:

Tetiana Petrushanko – project team leader, guarantor of academic and professional program, Doctor of Medical Sciences, Professor, Head of the Department of Therapeutic Dentistry;

Valentyn Dvornyk – member of the project group, Doctor of Medical Sciences, Professor of the Department of Orthopedic Dentistry;

David Avetikov – member of the project team, Doctor of Medical Sciences, Professor, Professor of the Department of Surgical Dentistry and Maxillofacial;

Liudmyla Kaskova – member of the project group, Doctor of Medical Sciences, Professor, Head of the Department of Pediatric Therapeutic Dentistry with Prevention of Dental Diseases;

Liubov Smagliuk – member of the project group, Doctor of Medical Sciences, Professor, Head of the Department of Orthodontics;

Pavlo Tkachenko – member of the project team, Doctor of Medical Sciences, Professor, Head of the Department of Pediatric Surgical Dentistry;

Iryna Tkachenko – member of the project group, Doctor of Medical Sciences, Professor, Head of the Department of Propedeutics of Therapeutic Dentistry;

Dmytro Korol – member of the project team, Doctor of Medical Sciences, Professor, Head of the Department of Propedeutics of Orthopedic Dentistry;

Hanna Davydenko – member of the project group, Candidate of Medical Sciences, Associate Professor of the Department of Postgraduate Education for Dentists, Deputy Director of the Educational and Scientific Institute for Postgraduate Training;

Nataliia Lokhmatova – member of the project team, Candidate of Medical Sciences, Associate Professor, Head of the Department of Pediatric Surgical Dentistry;

Nataliia Lupatsa – the Deputy Chief Doctor for Medical Services of the utility enterprise "Poltava Regional Dentistry Centre – Dental Polyclinics", Poltava Regional council;

Oleksandr Kyrylenko – orthodontist, CompoDent-Orto dental practice, Poltava;

Oleksandr Svyryda – member of the working group, 4rd-year student of the Dental Faculty, Poltava State Medical University.

### **Reviews from external stakeholders:**

1. Hereliuk V.I. – Doctor of Medical Sciences, Professor, Head of the Department of Therapeutic Dentistry, Ivano-Frankivsk National Medical University.
2. Struts O.S. – Director of the Municipal Non-Commercial Enterprise “Dental Clinic of Horishni Plavni” of Horishnioplavnivka Town Council of Poltava region.
3. Horban’ S.P. – Director General of the Municipal Non-Commercial Enterprise “Chernihiv Regional Dental Clinic” of Chernihiv Regional Council.
4. Struk V.I. – Chief Physician of the Municipal Medical Institution “City Dental Clinic” of Chernivtsi.
5. Harmash P.P. – Head of the Public Health Department of Chernihiv Regional State Administration.
6. Skrypnikov P.M. – Chairman of the Association of Dentists of Poltava region and Chief Physician of the Municipal Enterprise “Poltava Regional Center of Dentistry – Dental Clinical Polyclinic” of Poltava Regional Council.
7. Vassim Korati – dental surgeon at the Rabat Dental Center (Tunisia).
8. Mammadov Akber – owner of the private dental clinic "Dentallux estetik klinika" (Baku, Azerbaijan).
9. Rita Kozaeva – owner of the private dental clinic "Zahnarztpraxis Rita Kozaeva" (Baden-Baden, Germany).

### ***Updates, revisions, amendments and supplements to the academic and professional program Dentistry for the second (master's) level of higher education in the specialty 221 Dentistry, the field of knowledge 22 Health care:***

Academic year	Approval by the Academic Council of UMSA (since 24.02.2021 PSMU) (date, minutes No.)	Rector's order on the introduction of APP into effect (date, order No.)	Date of introduction of APP into effect
2017/2018	As of 11 July 2017 No. 13	As of 12 July 2017 No. 228	From 01 September 2017
2018/2019	As of 21 June 2018 No. 261	As of 20 June 2018 No. 10	From 01 September 2018
2019/2020	As of 30 August 2019 No. 1	As of 30 August 2019 No. 288	From 01 September 2019
2020/2021	As of 30 June 2020 No. 12	As of 02 July 2020 No. 331	From 01 September 2020
2021/2022	As of 23 June 2021 No. 2	As of 25 June 2021 No. 421	From 01 September 2021
2022/2023	As of 15 June 2022 No. 10	As of 21 June 2022 No. 165	From 01 September 2022



# 1. Profile of academic and professional program in the specialty 221 Dentistry

Components	Description of academic and professional program
<b>1. General information</b>	
<b>Full name of the institution of higher education and structural unit</b>	Poltava State Medical University Dental Faculty International Faculty
<b>Degree of higher education and title of qualification in the original language</b>	Academic degree – Master Academic qualification – Master of Dentistry Professional qualification – Dentist Qualification in the diploma – Master of Dentistry. Dentist
<b>The official name of academic and professional program</b>	Dentistry, ID 51152
<b>Type of diploma and scope of academic and professional program</b>	Master's degree, single issue, 300 ECTS credits, duration of study: 4 years 10 months.
<b>Availability of accreditation</b>	Accredited by the National Agency for Higher Education Quality Assurance with the definition of «exemplary». Certificate №2430 as of 05.10.2021. Validity of the certificate until 01.07.2026
<b>Cycle / level</b>	National Qualifications Framework of Ukraine – level 7; FQ – EHEA – the second cycle, EQF – level 7
<b>Prerequisites</b>	Terms of admission are regulated by the «Rules of admission to Poltava State Medical University». Persons with a complete secondary education can be admitted to study in academic and professional program Dentistry, provided that an external independent evaluation of the quality of education has been successfully completed. For persons who have the educational qualification level of a junior specialist, the educational and professional degree of a professional junior bachelor, the educational degree of a junior bachelor in specialty 221 «Dentistry», the competitive selection is based on the results of entrance exams. Admission / enrollment of foreigners and stateless persons is based on the results of entrance exams and on the basis of academic rights to continue education, provided by the document on the level of education in the country of origin, and taking into account academic performance points entitling to further education in accordance with the legislation of the country that issued the document on the level of education.
<b>Language(s) of instruction</b>	Ukrainian, English.
<b>Validity of academic and professional program</b>	5 years
<b>Internet address of the permanent placement of the description of academic and professional program</b>	<a href="https://www.pdmu.edu.ua/fakultets/stomat/profil-osvitnoyi-programi">https://www.pdmu.edu.ua/fakultets/stomat/profil-osvitnoyi-programi</a> <a href="https://en.pdmu.edu.ua/info/foreign-students/description-of-educational-and-professional-program-dentistry">https://en.pdmu.edu.ua/info/foreign-students/description-of-educational-and-professional-program-dentistry</a>
<b>2. The purpose of academic and professional program</b>	

Academic and professional program corresponds to the mission, vision and key values of the University and is aimed at training highly qualified, competitive, competent professionals who can solve complex problems and issues in the field of dentistry and healthcare or in the learning process, characterized by uncertain conditions and requirements, and perform the professional activities of a dentist.	
<b>3. Characteristics of academic and professional program</b>	
<b>Subject area (field of knowledge, specialty, specialization)</b>	Field of knowledge 22 “Healthcare” Specialty 221 “Dentistry”
<b>Orientation of academic and professional program</b>	Academic and professional program has an applied orientation in the field of health maintenance, dental health in particular, prevention, diagnosis and treatment of human dental diseases.
<b>The main focus of academic and professional program</b>	Higher education in the field of knowledge 22 “Healthcare”, specialty 221 “Dentistry” Key words: healthcare, dentistry, medicine, higher education, master's degree, dentist.
<b>Features of the program</b>	Academic and professional program takes into account the world's best practices in the training of dentists and current trends in the recognition of the priority for private dental practice. The program is implemented in small groups through the combination of practical and theoretical training. It provides the opportunity to form an individual educational trajectory through optional components (not less than 25% of the total number of credits). Mastering the practical skills is carried out during practical classes, occupational practice under the guidance of a teacher.
<b>4. Suitability of graduates for employment and further study</b>	
<b>Suitability for employment</b>	A specialist is prepared to work according to the Classification of Economic Activities SC 009: 2010: Section Q. Healthcare and providing social assistance Section 86. Healthcare Group 86.2 Medicine and dental practice Class 86.23 Dental practice After completion of training in academic and professional program in the specialty “Dentistry”, a specialist is able to perform professional work according to the “Classifier of professions” SC 003: 2010: intern (CP code - 3229)
<b>Further study</b>	Upon completion of training at APP Dentistry and obtaining the degree of «Master of Dentistry» graduates have the right to enter the postgraduate education program – internship (primary specialization), where training is carried out by AP Dentistry in accordance with the Order of the Ministry of Healthcare as of 22.06.2021. № 1254 «On approval of the regulations on internships and secondary medical (pharmaceutical) specialization». Graduates of the AP can also enroll in academic and research programs for the degree of «Doctor of Philosophy» and receive additional qualifications in the system of postgraduate education.
<b>5. Teaching and assessment</b>	
<b>Teaching and learning</b>	The main types of training at Poltava State Medical University embrace: lectures, practical classes, seminars, consultations, individual tasks, defense of case history, self-directed work under the guidance of a teacher, self-directed extracurricular work, occupational practice. Student-centered learning, problem-oriented learning, self-learning,

	learning through occupational practice, combining educational activities of students with research, simulation learning.
<b>Assessment</b>	<p>Control measures for assessing the educational activities of higher education applicants include continuous and final control of knowledge, skills and abilities. Final control includes semester control and state certification of applicants for higher education. Grades “Excellent”, “Good”, “Satisfactory” are given based on the results of final module control, exams, occupational practices. The grade “Passed” is given based on the results of credit tests.</p> <p>Certification according to academic and professional program in the specialty “Dentistry” is carried out in the form of a Single State Qualifying Exam. The unified state qualification exam is conducted in accordance with the “Procedure for Conducting the Unified State Qualification Exam for Applicants of the Master's Degree in the field of knowledge “Healthcare” and consists of the following components:</p> <ul style="list-style-type: none"> <li>• integrated test exam “KROK that assesses the quality of training to higher education standards and which is conducted by the State Organization “Center for testing the professional competence of specialists with higher education in “Medicine” and “Pharmacy” at the Ministry of Healthcare of Ukraine”;</li> <li>• professional English language exam that assesses professionally oriented English-language competence of higher education applicants and which is conducted by the State Organization “Center for testing the professional competence of specialists with higher education in “Medicine” and “Pharmacy” at the Ministry of Healthcare of Ukraine”;</li> <li>• objective structured practical (clinical) exam that assesses a graduate's readiness to pursue the professional activity in accordance with the requirements of the higher education standard by demonstrating practical (clinical) components of professional competence on a real object or model, conducted by the examination commission of the higher educational institution.</li> </ul>
<b>6. Program competencies</b>	
<b>Integral competence</b>	Ability to solve complex problems and issues in the field of healthcare in the specialty “Dentistry”, in the professional activity or in the learning process, which involves research and / or innovation and is characterized by uncertain conditions and requirements.
<b>General competencies (GC)</b>	<ol style="list-style-type: none"> <li>1. Ability of abstract thinking, analysis and synthesis.</li> <li>2. Knowledge and understanding of the subject area and understanding of professional activity.</li> <li>3. Ability to apply knowledge in practice.</li> <li>4. Ability to communicate in the state language both orally and in writing.</li> <li>5. Ability to communicate in English. Ability to use international Greek and Latin terms, abbreviations and clichés in professional oral and written speech.</li> <li>6. Skills in the use of information and communication technologies.</li> <li>7. Ability to search, process and analyze information from various sources.</li> <li>8. Ability to adapt and act in a new situation.</li> <li>9. Ability to identify, pose and solve problems.</li> <li>10. Ability to be critical and self-critical.</li> </ol>

	11. Ability to work in a team. 12. Desire to preserve the environment. 13. Ability to act socially responsibly and consciously. 14. Ability to exercise one's rights and responsibilities as a member of society, to implement 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. 15. 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, use different types and forms of physical activity for active recreation and a healthy lifestyle.
<b>Special (professional, subject) competencies</b>	1. Ability to collect medical information about a patient and analyze clinical data. 2. Ability to interpret the results of laboratory and instrumental studies. 3. Ability to diagnose: make the preliminary, clinical, final, concomitant diagnosis, emergencies. 4. Ability to plan and implement measures for the prevention of diseases of organs and tissues of the oral cavity and maxillofacial area. 5. Ability to design the process of medical care: to determine the approaches, plan, types and principles of treatment of diseases of organs and tissues of the oral cavity and maxillofacial area. 6. Ability to determine the rational mode of work, rest, diet in patients during the treatment of diseases of organs and tissues of the oral cavity and maxillofacial area. 7. Ability to determine the tactics of management of patients with diseases of organs and tissues of the oral cavity and maxillofacial area with concomitant somatic diseases. 8. Ability to perform medical and dental procedures. 9. Ability to treat major diseases of organs and tissues of the oral cavity and maxillofacial area. 10. Ability to organize and conduct medical and evacuation measures. 11. Ability to determine tactics, methods and provide emergency medical care. 12. Ability to organize and conduct screening examinations in dentistry. 13. Ability to assess the impact of the environment on the health of population (individual, family, population-based). 14. Ability to keep regulatory medical records. 15. Processing of state, social and medical information. 16. Ability to organize and conduct rehabilitation measures and care for patients with diseases of the oral cavity and maxillofacial area. 17. Ability to provide legal support for one's own professional activity. 18. Ability to provide premedical care according to the protocols of tactical medicine.
<b>7. Program learning outcomes</b>	
1. To distinguish and identify the leading clinical symptoms and syndromes (according to list 1); as consistent with standard methods, using preliminary data from a patient's anamnesis, data from a patient's examination, knowledge about a person, their organs and systems, to make a probable nosological or syndromic preliminary clinical diagnosis of a dental disease (according to list 2).	



2. To collect information about the general condition of a patient, assess the psychomotor and physical development of a patient, the condition of the organs of the maxillofacial area, to assess information about the diagnosis based on the results of laboratory and instrumental studies (according to list 5).
3. To prescribe and analyze additional (mandatory and optional) examination methods (laboratory, radiological, functional and / or instrumental) according to list 5, for patients with diseases of organs and tissues of the oral cavity and maxillofacial area to conduct differential diagnostics of diseases (according to list 2).
4. To determine the final clinical diagnosis in accordance with the relevant ethical and legal norms, by making a substantiated decision and logical analysis of the obtained subjective and objective data of clinical, additional examination, differential diagnostics under the supervision of a doctor at a healthcare institution (according to list 2.1).
5. To diagnose emergencies under any circumstances (at home, on the street, at a medical institution), under emergency conditions, in case of martial law, lack of information and limited time (according to list 4).
6. To plan and implement measures to prevent dental diseases among the population to prevent the spread of dental diseases.
7. To analyze the epidemiological situation and carry out measures of mass and individual, general and local medicinal and non-medicinal prevention of dental diseases.
8. To determine the approach, plan, type and principle of treatment of dental disease (according to list 2) by making a substantiated decision according to existing algorithms and standard schemes.
9. To determine the nature of the mode of work, rest and the necessary diet in the treatment of dental diseases (according to list 2) on the basis of preliminary or final clinical diagnosis by making a substantiated decision according to existing algorithms and standard schemes
10. To determine the tactics for a dental patient with somatic pathology (according to list 3) by making a substantiated decision according to existing algorithms and standard schemes.
11. To conduct treatment of major dental diseases according to existing algorithms and standard schemes under the doctor's supervision at a healthcare facility (according to list 2.1).
12. To organize medical and evacuation measures among the population, servicemen, under emergency situations, including martial law, during the stages of medical evacuation, taking into account the existing system of medical and evacuation support.
13. To determine the tactics of emergency medical care, using the recommended algorithms, under any circumstances on the basis of a diagnosis of emergency in a limited time (according to list 4).
14. To analyze and evaluate governmental, social and medical information using standard approaches and computer information technology.
15. To assess the impact of the environment on the health of the population at a medical institution according to standard methods.
16. To form goals and determine the structure of personal activity based on the result of the analysis of certain social and personal needs
17. To adhere to a healthy lifestyle, using the techniques of self-regulation and self-control.
18. To be aware of and guided in one's activities by civil rights, freedoms and responsibilities, to raise the general cultural level.
19. To adhere to the requirements of ethics, bioethics and deontology in the professional activities.
20. To organize the necessary level of individual safety (one's own and that of patients) in case of typical dangerous situations in the individual field of activity.
21. To perform medical procedures on the basis of preliminary and / or final clinical diagnosis (according to lists 2, 2.1) for different segments of the population and under different conditions (according to list 6).
22. To perform medical dental procedures on the basis of preliminary and / or final clinical

<p>diagnosis (according to lists 2, 2.1) for different segments of the population and under different conditions (according to list 7).</p> <p>23. To perform emergency medical care procedures, using standard schemes, under any circumstances on the basis of an emergency diagnosis (according to list 4) within a limited period of time (according to lists 6, 7).</p> <p>24. To develop measures for organization, integration of dental care and marketing of medical services, including dental services in the functioning of a healthcare institution, its unit, in a competitive environment.</p>	
<b>8. Resource support for program implementation</b>	
<b>Staff</b>	<p>Academic staff of the departments of the University fully provide training for higher education applicants in the specialty 221 “Dentistry” in accordance with the License conditions (Resolution of the Cabinet of Ministers of Ukraine “On approval of license conditions for academic activities of educational institutions” as of 30.12.2015 No.1187 as amended as of 10.05.2018 No.347). The formation of a high-quality research and teaching staff is ensured by the scientific postgraduate training at the University and by the recruitment of teachers with degrees and academic titles in professional and pedagogical activities on a competitive basis by concluding contracts. Members of the support group who implement the educational component of the academic and professional program have qualifications and relevant specialties: higher education, scientific degree and / or academic title, confirmed level of scientific and professional activity. 100% of scientific and pedagogical employees of the support group are full-time employees of the University. Teaching lecture material for higher education applicants is 100% provided by scientific and pedagogical staff with a scientific degree and academic title.</p>
<b>Material and technical support</b>	<p>The material and technical base of Poltava State Medical University allows to carry out the educational process, scientific and medical work at the modern level in accordance with the requirements of state standards of higher education for training, curriculum and program components of academic and professional program. The training conditions of higher education applicants of the University fully meet the hygienic requirements.</p> <p>The University has a total area of 51343.9 m<sup>2</sup>. There are 15 buildings on its balance, including: 5 educational buildings (total area - 23202.2 m<sup>2</sup>), four dormitories (total area - 23476.2 m<sup>2</sup>), a dental center, sports and recreation complex, dining room, utility buildings, vivarium, hangars, health and sports camp. All buildings have technical passports. The area of educational premises that are directly used in the training process amounts to: educational premises located in the buildings of the University - 21179.8 m<sup>2</sup>, educational premises of departments, which are located at health care facilities - 12452.45 m<sup>2</sup>.</p> <p>Training of higher education applicants is carried out on clinical bases that have the appropriate material and technical support, which meets the requirements for health care facilities with the right to train doctors: modern dental equipment, universal dental units, modern devices for ultrasound diagnostics, simulators, models, phantoms, mannequins. During practical classes at clinics, diagnostic equipment is used: ultrasound diagnostic devices, computer tomographs, X-ray diagnostic devices, etc. Lecture halls are 100% equipped with multimedia equipment.</p> <p>To implement all practical skills and to ensure the work with simulated patients, the University created the Educational and Scientific Medical Unit</p>

	<p>“Dental Center”. To increase the level of knowledge in the specialty and the in-depth practical training, diagnostic centers were created: Regional Scientific and Practical Center for Oral Diseases, Scientific and Methodological Center for Primary Prevention of Dental Diseases in Children of Poltava region, Educational and Consultative Diabetological Center, Training and Rehabilitation Laboratory Clinic, Educational and Practical Center for Rehabilitation of Cancer Patients, N.M. Maksymovych-Ambodyk Training and Practical Training Center of Modern Technologies in Perinatal Medicine, Training and Practical Center for General Practice of Family Medicine, Poltava Regional Antihypertensive Center, Poltava Regional Training Research and Practice Center for Interventional Radiology, Training and Diagnostic Pulmonology Center, Training, Diagnostic and Treatment Center for Patients with Parkinson's Disease and Degenerative Diseases, Training, Diagnostic and Treatment Center for Patients with Primary Headache.</p> <p>In May 2020, a new Simulation Center was opened, equipped with modern simulators to master practical skills and conduct Objective structured clinical examination as part of the State certification of applicants for the second (master's) level of higher education in the specialty 221 “Dentistry”.</p> <p>The book supply of most components of academic and professional program meets the licensing requirements. There is a virtual reference service, interlibrary lending department. All resources and services of the library are presented on the Internet through a blog.</p> <p>Applicants' supply with computers during training fully complies with regulations. The local network of the University is connected to the Internet by means of a fiber-optic cable with a bandwidth of 1 GB / sec of guaranteed flow. To organize students' access to the Internet, wireless communication is organized, covering the areas of dormitories №1, №2, №3, №4, libraries and all buildings of the University.</p> <p>The sports base of the University for practical classes in physical education and work of sports sections is represented by 5 sports halls (2052.2 m<sup>2</sup>) and sports grounds (3608 m<sup>2</sup>).</p>
<b>Information, educational and methodical support</b>	<p>Information and teaching support meets the licensing conditions of educational activities for training of specialists at the second (master's) level of higher education and includes: schedule, curriculum, working curricula of academic disciplines, thematic plans of lectures, practical and seminar classes, guidelines for teachers, methodical development of lectures and instructions on the organization of students' self-directed work, syllabuses, criteria for assessing knowledge, lists of questions for continuous and final control, list of questions for exams, list of situational and test tasks, list of recommended teaching materials, visual and technical teaching aids. Educational and methodical documentation is prepared by academic staff of the departments. Provision of educational materials for each component of academic and professional program is 100%.</p> <p>The official website of the University <a href="https://www.pdmu.edu.ua/">https://www.pdmu.edu.ua/</a> contains basic information about its activities and available electronic resources, containing educational and methodological materials for components of academic and professional program, in the system of distance learning in particular. Distance learning at the University was developed in connection with the introduction of video conferencing technology: software Lync 2010, TrueConf and software and hardware POLYCOM QDX-600.</p>

<b>9. Academic mobility</b>	
<b>National credit mobility</b>	The right to national credit mobility is exercised on the basis of the Law of Ukraine “On Higher Education” and agreements between higher educational institutions (scientific institutions) of Ukraine, or their main structural units.
<b>International credit mobility</b>	The right to international credit mobility is implemented on the basis of international agreements on cooperation in education and research, international programs and projects (Erasmus+), and can also be exercised by a Ukrainian participant of the educational process on their own initiative, supported by Poltava State Medical University, where they study, based on individual invitations.
<b>Training of foreign applicants for higher education</b>	Admission to study of foreign citizens and persons without citizenship is carried out in accordance with the “Rules of admission to Poltava State Medical University” on the basis of the results of their training at the preparatory department. Training of foreign applicants for higher education and persons without citizenship is carried out in accordance with the “Regulations on the organization of the educational process at Poltava State Medical University”.

## 2. The list of components of academic and professional program and their logical sequence

### 2.1. The list of components of academic and professional program

Code	Components of the program (academic disciplines, practices)	Number of credits ECTS	Form of final control
1	2	3	4
<b>Obligatory components of academic and professional program</b>			
<b>General training cycle</b>			
OC 1.	Ukrainian language (for professional purposes)	3	FMC
OC 2.	Philosophy	3	FMC
OC 3.	Latin and medical terminology	3	FMC
OC 4.	Medical biology	5	Exam
OC 5.	Medical and biological physics	4	FMC
OC 6.	Medical chemistry	3	FMC
OC 7.	Biological and bioorganic chemistry	7	Exam
OC 8.	Human anatomy	11	Exam
OC 9.	Histology, cytology and embryology	7	Exam
OC 10.	Foreign language for professional purposes	3	FMC
OC 11.	Physiology	5	Exam
OC 12.	Microbiology, virology and immunology	4	Exam
<b>Total for the cycle</b>		<b>58</b>	
<b>Cycle of professional and practical training</b>			
OC 13.	Propedeutics of internal medicine	3	FMC
OC 14.	Hygiene and ecology	3	Exam
OC 15.	Propedeutics of therapeutic dentistry	4	FMC
OC 16.	Propedeutics of orthopedic dentistry	4	FMC
OC 17.	Propedeutics of pediatric therapeutic dentistry	3	FMC
OC 18.	Pathomorphology	6	Exam
OC 19.	Pathophysiology	6	Exam
OC 20.	Pharmacology	6	Exam
OC 21.	Internal medicine	3	FMC
OC 22.	Internal medicine (including infectious diseases and epidemiology, clinical pharmacology)	4	Exam
OC 23.	Surgery	3	FMC
OC 24.	Surgery, including oncology and neurosurgery	5	Exam
OC 25.	Social medicine, public health and the basics of evidence-based medicine	3	FMC

OC 26.	Prevention of dental diseases	4	FMC
OC 27.	Therapeutic dentistry	16	Exam
OC 28.	Surgical dentistry	9	Exam
OC 29.	Surgical dentistry and maxillofacial surgery	6	FMC
OC 30.	Orthopedic dentistry	9	Exam
OC 31.	Orthopedic dentistry and implantology	6	FMC
OC 32.	Pediatric therapeutic dentistry	7	Exam
OC 33.	Pediatric surgical dentistry	6	FMC
OC 34.	Orthodontics	6	Exam
OC 35.	Obstetrics	3	FMC
OC 36.	Radiology	3	FMC
OC 37.	Emergency and urgent medical care	3	FMC
OC 38.	Pediatrics	3	FMC
OC 39.	General medical training (ophthalmology, neurology, including neurostomatology, dermatology, venereology, psychiatry, narcology, medical psychology, physical rehabilitation, sports medicine, endocrinology)	8	FMC
OC 40.	Otorhinolaryngology	3	FMC
OC 41.	Training of reserve officers in the field of knowledge "Healthcare". Specialty "Dentistry"	3*	FMC
OC 42.	Ukrainian as a foreign language for professional purposes	3**	FMC
<b>Total for the cycle</b>		<b>148</b>	
<b>Cycle of practical training</b>			
OC 43.	Occupational practice	6	FMC
OC 44.	Occupational medical practice	4	FMC
OC 45.	Occupational medical practice	6	FMC
OC 46.	Occupational medical practice in pediatric dentistry	3	FMC
<b>Total for the cycle</b>		<b>19</b>	
<b>Total amount of obligatory components</b>		<b>225</b>	
<b>Elective components of APP</b>			
<b>Free choice cycle</b>			
EC 1.	Democracy: philosophy and mechanisms	3	FMC
EC 2.	History of medicine	3	Credit test
EC 3.	Foreign Language	3	FMC
EC 4.	Life Safety; basics of bioethics and biosafety	3	Credit test
EC 5.	Ukrainian language of basic level*	3	FMC



EC 6.	Academic writing	3	Credit test
EC 7.	Fundamentals of leadership	3	Credit test
EC 8.	Professional communications. Key competencies	3	Credit test
EC 9.	Law science	3	Credit test
EC 10.	Methodology of modern scientific research	3	Credit test
EC 11.	Ukrainian professional communication: doctor – patient	3	FMC
EC 12.	Key aspects of evidence-based medicine in dentistry	3	Credit test
EC 13.	Modern problems of biophysics	3	Credit test
EC 14.	Foreign language (second)	3	Credit test
EC 15.	Laboratory diagnostics	3	Credit test
EC 16.	Clinical anatomy and operative surgery	3	FMC
EC 17.	Medical informatics	3	FMC
EC 18.	Basic technologies for manufacturing dentures	3	Credit test
EC 19.	Deontology in medicine	3	Credit test
EC 20.	Phantom course of modern technologies for odontopathology treatment	3	Credit test
EC 21.	Modern information technologies in the practice of a dentist	3	Credit test
EC 22.	Integrative course: modern achievements of theoretical medicine	6	FMC
EC 23.	Occupational safety in the industry	3	Credit test
EC 24.	Forensic medicine (dentistry). Medical law of Ukraine	3	FMC
EC 25.	English for professional purposes	3	FMC
EC 26.	Side effects of medications	3	Credit test
EC 27.	Phthisiology	3	FMC
EC 28.	Biostatistics and clinical epidemiology	3	Credit test
EC 29.	Prevention of smoking, drug addiction, alcoholism	3	Credit test
EC 30.	Fundamentals of psychotherapy in the practice of a dentist	3	Credit test
EC 31.	Plastic and reconstructive surgery	9	FMC
EC 32.	Modern technologies for the use of fixed orthodontic appliances	3	Credit test
EC 33.	Surgical preparation of the oral cavity for prosthetics	3	Credit test
EC 34.	Management and marketing in dentistry	3	Credit test
EC 35.	Integrative course: theoretical foundations of clinical dentistry	9	FMC
EC 36.	Clinical biochemistry of the oral cavity organs	3	Credit test
EC 37.	Modern periodontology	9	FMC
EC 38.	Endodontic technique in pediatric dentistry	9	FMC
EC 39.	Modern technologies in implantology	9	FMC

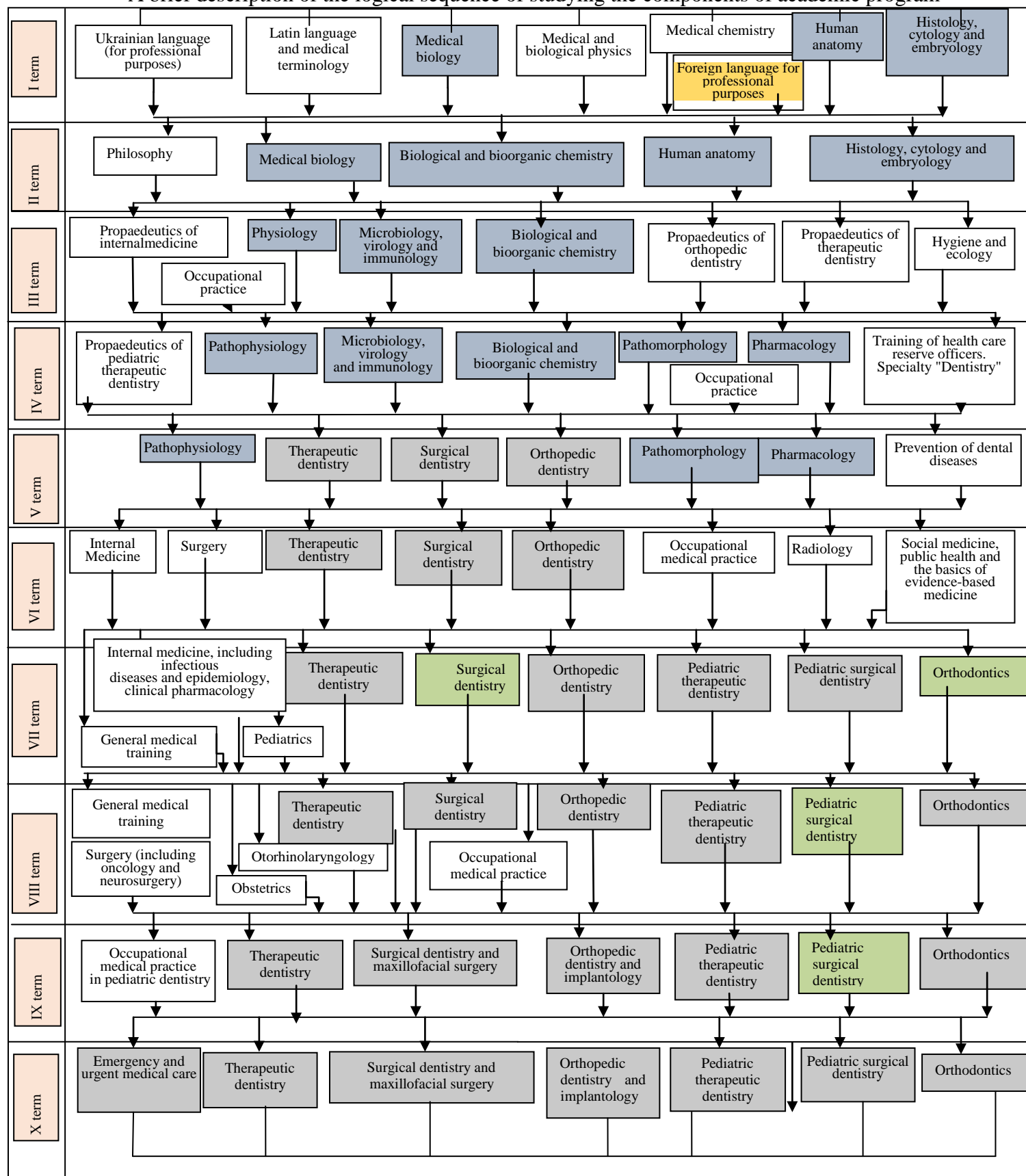
EC 40.	Modern principles of diagnosis and treatment of dysontogenetic pathology of the maxillofacial area	3	Credit test
EC 41.	Fundamentals of medical cosmetology	3	Credit test
<b>Total amount of elective components</b>		<b>75</b>	
Physical Education			
Certification			
<b>TOTAL VOLUME OF THE ACADEMIC AND PROFESSIONAL PROGRAM</b> including obligatory components (75%) elective components (25%)		<b>300</b>	

\* OC 41. Training of reserve officers in the field of knowledge 22 “Health Care”, 221 specialty “Dentistry” is provided for higher education applicants, citizens of Ukraine in the amount of 3 ECTS credits.

\*\* OC 42. Ukrainian language as a foreign language for professional purposes is provided for foreign higher education applicants and stateless persons in the amount of 3 ECTS credits.

## 2.2. Structural and logical chart of academic program

A brief description of the logical sequence of studying the components of academic program



Academic components included in the integrated exam "Krok 1. Dentistry"

Academic components included in the integrated exam "Krok 2. Dentistry"

### 3. Form of certification of higher education applicants

<b>Forms of certification of higher education applicants</b>	Certification according to the academic and professional program in the specialty “Dentistry” is carried out in the form of a Single State Qualifying Exam.
<b>Requirements for the unified state qualification exam</b>	<p>The unified state qualification exam is conducted in accordance with the “Procedure for Conducting the Unified State Qualification Exam for Applicants of the Master's Degree in the field of knowledge “Healthcare” and consists of the following components:</p> <ul style="list-style-type: none"><li>• integrated test exam “KROK that assesses the quality of training to higher education standards and which is conducted by the State Organization “Center for testing the professional competence of specialists with higher education in “Medicine” and “Pharmacy” at the Ministry of Healthcare of Ukraine”;</li><li>• professional English language exam that assesses professionally oriented English-language competence of higher education applicants and which is conducted by the State Organization “Center for testing the professional competence of specialists with higher education in “Medicine” and “Pharmacy” at the Ministry of Healthcare of Ukraine”;</li><li>• objective structured practical (clinical) exam that assesses a graduate's readiness to pursue the professional activity in accordance with the requirements of the higher education standard by demonstrating practical (clinical) components of professional competence on a real object or model, conducted by the examination commission of the higher educational institution.</li></ul>

The certification procedure is completed by issuing a diploma of a standard pattern on awarding a graduate with the Master's degree and the qualification of “Master of Dentistry. Dentist”.

The certification procedure is carried out openly and publicly.

#### 4. Matrix of correspondence of program competencies to the components of academic and professional program

	OC 1	OC 2	OC 3	OC 4	OC 5	OC 6	OC 7	OC 8	OC 9	OC 10	OC 11	OC 12	OC 13	OC 14	OC 15	OC 16	OC 17	OC 18	OC 19	OC 20	OC 21	OC 22	OC 23	OC 24	OC 25
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	+	+		+										+											+

	OC 26	OC 27	OC 28	OC 29	OC 30	OC 31	OC32	OC 33	OC 34	OC 35	OC 36	OC 37	OC 38	OC 39	OC 40	OC 41	OC 42	OC 43	OC44	OC 45	OC46
GC 1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+
GC 2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+
GC 3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
GC 4	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+
GC 5	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+		+	+	+	+
GC 6	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
GC 7	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
GC 8	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+
GC 9	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+
GC 10	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+
GC 11	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+
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GC 13	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+		+	+	+	+
GC 14	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+
GC 15	+															+	+	+	+	+	+



	OC 1	OC 2	OC 3	OC 4	OC 5	OC 6	OC 7	OC 8	OC 9	OC 10	OC 11	OC 12	OC 13	OC 14	OC 15	OC 16	OC 17	OC 18	OC 19	OC 20	OC 21	OC 22	OC 23	OC 24	OC 25
SC1	+		+	+						+	+	+	+		+	+	+	+	+	+	+	+	+	+	+
SC2					+	+	+	+	+		+	+	+		+	+	+	+	+	+	+	+	+	+	
SC3								+	+		+	+	+		+	+	+				+	+	+	+	
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SC5								+	+		+	+						+	+	+		+			
SC6											+		+	+											+
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SC 14	+		+							+			+	+				+	+	+	+	+	+	+	+
SC 15	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SC 16																								+	+
SC 17		+																			+	+	+	+	+
SC 18		+																			+	+	+	+	

	OC 26	OC 27	OC 28	OC 29	OC 30	OC 31	OC 32	OC 33	OC 34	OC 35	OC 36	OC 37	OC 38	OC 39	OC 40	OC 41	OC 42	OC 43	OC 44	OC 45	OC 46
SC1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SC2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+
SC3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+
SC4	+	+	+	+	+	+	+	+												+	+
SC5		+	+	+	+	+	+	+	+											+	+
SC6	+	+	+	+	+	+	+	+												+	+
SC7		+	+	+	+	+	+	+	+					+						+	+
SC8	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+		+	+	+
SC9		+	+	+	+	+	+	+	+											+	+
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SC 12	+	+	+	+	+	+	+	+	+											+	+
SC 13	+	+					+	+		+			+	+						+	+
SC 14	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SC 15	+	+	+	+	+	+	+	+	+	+	+		+	+				+		+	+
SC 16	+	+	+	+	+	+	+	+	+					+						+	+
SC 17	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+		+	+	+
SC 18												+			+	+	+				

**5. Matrix of ensuring program learning outcomes (PLO)  
by relevant components of academic and professional program**

	OC 1	OC 2	OC 3	OC 4	OC 5	OC 6	OC 7	OC 8	OC 9	OC 10	OC 11	OC 12	OC 13	OC 14	OC 15	OC 16	OC 17	OC 18	OC 19	OC 20	OC 21	OC 22	OC 23	OC 24	OC 25
PLO 1				+	+				+		+	+	+			+		+	+		+	+	+	+	
PLO 2	+		+	+		+	+	+	+	+	+	+	+	+	+	+		+	+		+	+	+	+	+
PLO 3				+	+	+	+	+	+		+	+	+	+	+	+		+	+		+	+	+	+	+
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PLO 5				+					+		+		+			+		+	+		+	+	+	+	
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PLO 12																							+	+	+
PLO 13									+												+	+	+	+	+
PLO 14	+	+	+	+						+			+	+			+	+	+	+	+	+	+	+	+
PLO 15		+			+	+	+	+	+			+	+	+	+	+	+				+	+	+	+	+
PLO 16	+	+			+					+			+	+			+	+	+	+	+	+	+	+	+
PLO 17		+			+				+			+		+			+				+	+	+	+	

PLO 18	+	+	+		+					+			+				+	+	+	+	+	+	+	+	+
PLO 19	+	+	+									+					+	+	+	+	+	+	+	+	+
PLO 20		+				+	+	+	+			+	+	+			+	+	+	+	+	+	+	+	
PLO 21					+			+	+			+	+			+				+	+	+	+	+	
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PLO 24																									

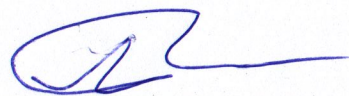
	OC 26	OC 27	OC 28	OC 29	OC 30	OC 31	OC32	OC 33	OC 34	OC 35	OC 36	OC 37	OC 38	OC 39	OC 40	OC 41	OC 42	OC 43	OC44	OC 45	OC46
PLO 1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+
PLO 2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
PLO 3		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+
PLO 4		+	+	+	+	+	+	+	+										+	+	+
PLO 5		+	+	+	+	+	+	+	+	+		+	+	+	+	+			+	+	+
PLO 6	+	+	+	+	+	+	+	+	+					+					+	+	+
PLO 7	+	+	+	+	+	+	+	+	+										+	+	+
PLO 8		+	+	+	+	+	+	+	+										+	+	+
PLO 9	+	+	+	+	+	+	+	+	+					+					+	+	+
PLO 10		+	+	+	+	+	+	+	+	+		+	+	+	+	+			+	+	+

PLO 11		+	+	+	+	+	+	+	+					+					+	+	+
PLO 12			+	+						+		+			+	+				+	
PLO 13			+	+						+		+	+	+	+	+				+	
PLO 14	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
PLO 15	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+
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PLO 19	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+
PLO 20		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+
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PLO 22		+	+	+	+	+	+	+	+										+	+	+
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PLO 24		+	+	+	+	+	+	+	+	+									+	+	+

**Guarantor of the program:**

Doctor of Medical Sciences, Professor,

Head of the Department of Therapeutic Dentistry



T.O. Petrushanko

## Appendix 1

### List 1 (syndromes and symptoms)

1. anodontia
2. anemia
3. malocclusion
4. facial asymmetry
5. atrophy
6. painful dysfunction of the TMJ
7. pain in the heart area
8. toothache
9. abdominal pain
10. pain in the soft tissues of the maxillofacial area;
11. pain in the facial bones
12. loss of consciousness
13. loss of clinical attachment
14. hypermobility of the articular head of the TMJ
15. hemorrhagic syndrome
16. hyperesthesia
17. hypersalivation
18. headache
19. rhinophonia (open, closed)
20. deviation of the mandible, destruction of the bone tissue
21. defects of the crown of the tooth
22. deformation of the bones of the facial skeleton
23. bite deformation
24. discoloration of teeth
25. facial disproportion
26. jaundice
27. dyspnea and asphyxia
28. inflammatory infiltrate of the tissues of the maxillofacial area
29. vertigo
30. discoloration of the skin, mucous membranes of the mouth
31. change in the shape of the teeth
32. change in the intervalveolar height
33. elements of 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. fistulous passage
45. restricted mouth opening
46. paresis, paralysis of the nerves of the maxillofacial localization
47. burning of the mucous membrane
48. pathological abrasion of teeth
49. disrupted movements of the lower jaw
50. taste disturbance
51. disrupted sensitivity of the tissues of the maxillofacial area
52. dysfunction of sucking, swallowing
53. pathological mobility of teeth
54. tumors and tumor-like neoplasms in the maxillofacial area
55. gum recession
56. mobility of bone fragments of the facial skeleton
57. thinning of the cortical plate of the jaws
58. "emptying-filling"
59. partial and complete loss of teeth
60. fluctuation
61. chemosis
62. cyanosis (diffuse and local)
63. slit defects of the face, syndrome of I-II branchial arch
64. gingival, periodontal, bone pocket



## List 2 (dental diseases)

### 1. Therapeutic dentistry:

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

1. hyperesthesia
2. enamel hypoplasia, hyperplasia
3. fluorosis
4. erosion of hard dental tissues
5. wedge-like defect
6. abrasion of teeth
7. necrosis of hard dental tissues
8. discoloration
9. traumatic injuries of teeth

#### B) Caries and its complications:

10. caries
11. pulpitis
12. periodontitis

#### C) Periodontal disease:

13. papillitis
14. gingivitis (localized, generalized)
15. periodontitis (localized, generalized)
16. parodontosis
17. idiopathic periodontal diseases

#### D) Diseases of the oral mucosa:

18. traumatic lesions of the oral mucosa
19. autoinfectious diseases of the oral mucosa (acute aphthous stomatitis, herpetic, ulcerative and necrotic, candidal lesions of the oral mucosa)
20. secondary bacterial diseases (diphtheria, tuberculosis, syphilis, gonorrhea)
21. diseases of the oral mucosa in dermatosis with an autoimmune component of pathogenesis (vesicular disease, lichen ruber planus, lupus erythematosus)
22. changes of the oral mucosa in allergic lesions
23. changes of the oral mucosa in the intoxications with salts of heavy metals
24. symptomatic viral diseases (AIDS, foot and mouth disease, infectious mononucleosis)
25. symptomatic manifestations of gastrointestinal diseases on the oral mucosa (peptic ulcer, gastritis, enteritis, colitis, chronic hepatitis)

26. symptomatic manifestations of cardiovascular diseases on the oral mucosa (insufficiency of blood circulation, essential hypertension)

27. symptomatic manifestations of endocrine diseases on the oral mucosa (acromegaly, Itsenko-Cushing syndrome, diabetes mellitus, hyperthyroidism and hypothyroidism)

28. symptomatic manifestations of blood diseases on the oral mucosa (anemia, thrombocytopenic purpura, leukemia)

29. symptomatic manifestations of hypo- and avitaminosis on the oral mucosa

30. diseases and anomalies of the tongue (desquamative glossitis, rhomboid glossitis, folded tongue, hairy tongue)

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

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

#### E) Precancer of the oral cavity and red border of the lips:

33. obligate precancers (Bowen's disease, verrucous precancer, limited precancerous hyperkeratosis, Manganotti's cheilitis)
34. facultative precancers

### 2. Pediatric dentistry:

#### A) Pathology of teeth:

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

#### B) Periodontal pathology:

40. gingivitis
41. idiopathic periodontal diseases
42. periodontitis

#### C) Pathology of the oral mucosa:

43. allergic diseases of oral mucosa

- 44. anomalies and diseases of the tongue
- 45. fungal lesions of the oral mucosa in children
- 46. changes of the oral mucosa in systemic diseases
- 47. changes of the oral mucosa in specific diseases
- 48. manifestations of acute viral and infectious diseases on the oral mucosa (diphtheria, varicella, measles, infectious mononucleosis, scarlet fever)
- 49. viral diseases of the oral mucosa (acute herpetic stomatitis, recurrent herpetic stomatitis, shingles)
- 50. self-sustained 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. non-odontogenic inflammatory processes of soft tissues (furuncle, carbuncle, erysipelas)
- 57. specific inflammatory processes (tuberculosis, syphilis, actinomycosis)
- 58. phlegmons and abscesses

#### **E) Injuries of the maxillofacial area:**

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

#### **F) Tumors and tumor-like neoplasms of the maxillofacial area:**

- 60. benign tumors and tumor-like neoplasms of soft tissues and facial bones
- 61. malignant tumors of soft tissues and facial bones

#### **G) Congenital malformations of the face:**

- 62. non-union of the upper lip, alveolar process, hard and soft palate (isolated and penetrating)
- 63. anomalies of attachment of the oral soft tissues (labial, lingual frenula, shallow vestibule of the oral cavity)
- 64. congenital syndromes

#### **H) Diseases of the TMJ, 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, the facial nerve, neuralgia
- 68. non-odontogenic 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 of the maxillofacial area:**

- 73. injuries of teeth and bones of the facial skeleton
- 74. injuries of soft tissue, the tongue and oral mucosa
- 75. ballistic and non-ballistic wounds of maxillofacial tissues; cranio-maxillary and facial injuries
- 76. thermal, chemical, electrical and radiation damage to the tissues of the maxillofacial localization; combined injury

#### **C) Diseases of the temporomandibular joint (TMJ):**

- 77. arthritis, mixed arthritis, arthrosis
- 78. ankylosis
- 79. TMJ dysfunctions, dislocations and contractures of the mandible

#### **D) Tumors and tumor-like neoplasms of the oral mucosa, salivary glands, soft tissues of the maxillofacial localization and neck, bones of the facial skeleton:**

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

**E) Congenital and acquired defects and deformations of the tissues of the head and neck**

82. congenital anomalies of teeth development, deformities of the jaws, defects and deformations of the bones of the facial skeleton, combined anomalies and deformations of the cerebral and facial skeletons and dentoalveolar system

83. congenital defects and deformities of the soft tissues of the head and neck

84. acquired defects and deformations of soft tissues of the 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 jaw bones, anodontia, gum recession

86. cosmetic defects and deformations of 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) Neurostomatological diseases:**

90. neuritis, trigeminal neuralgia

**4. Orthopedic dentistry:**

91. partial loss of teeth

a) distally limited defects of the dentition

b) distally unlimited defects of the dentition

92. complete loss of teeth

93. excessive abrasion of teeth

94. defects of the crown of the teeth

95. complete destruction of the crown of the tooth

96. dentoalveolar deformities

97. parafunctions of the masticatory muscles

98. traumatic occlusion

99. injuries and defects of the jaws, nose, ears, orbits, combined defects

100. TMJ diseases

101. TMJ dysfunctions

**5. Orthodontics**

**A) abnormalities of individual teeth:**

102. sizes

103. shapes

104. number

105. retention

**B) abnormalities of the position of teeth:**

106. diastemas and tremas

107. teeth crowding

108. torsiversion

109. vestibulo-oral position of teeth, dystopia, transposition, supra-infraposition

**C) sagittal occlusion abnormalities:**

110. progenia (mesial) (skeletal, dentoalveolar)

111. prognathia (distal) (skeletal, dentoalveolar)

**D) vertical occlusion abnormalities:**

112. open (skeletal, dental alveolar)

113. deep (skeletal, dentoalveolar)

**E) transverse occlusion abnormalities:**

114. cross-sectional (unilateral or bilateral, with or without displacement of the mandible) (skeletal, dentoalveolar)

**List 2.1 (major dental diseases)**

1. non-carious lesions of 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. parodontosis

9. traumatic injuries

10. autoinfectious diseases of the oral mucosa (acute aphthous stomatitis, herpetic, ulcerative and necrotic, candidal lesions of the oral mucosa)

11. secondary bacterial diseases (diphtheria, tuberculosis, syphilis, gonorrhea)

12. manifestations of immunodeficiency conditions on the oral mucosa

13. allergic lesions

14. alveolitis

15. pericoronaritis

16. periostitis

17. lymphadenitis

18. traumatic injuries of the soft tissues of

the face  
19. acute and habitual dislocation of the  
lower jaw  
20. uncomplicated fractures of the upper and

lower jaws  
21. defects of the crown part of teeth  
22. partial and complete absence of teeth

**List 3. Physiological conditions and somatic diseases requiring special patient management tactics**

**A) Physiological conditions:**

1. pregnancy

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

2. anemia  
3. hemophilia  
4. leukemia  
5. thrombocytopenic purpura

**C) Cardiovascular diseases:**

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

**D) Mental disorders:**

12. acute psychosis, including alcoholic delirium  
13. epilepsy

**E) Diseases of the respiratory system and mediastinum:**

14. bronchial asthma

**F) Pathology of the ENT organs:**

15. tonsillitis

16. rhinitis

17. sinusitis

18. nasal septum deviation

**G) Diseases of the endocrine system:**

19. diabetes mellitus  
20. thyroid diseases

**H) Pathology of the musculoskeletal system and connective tissue:**

21. systemic vasculitis (hemorrhagic vasculitis)

22. rheumatoid arthritis

23. posture disorders

**I) Infectious and parasitic diseases:**

24. HIV / AIDS  
25. viral hepatitis  
26. diphtheria  
27. tetanus  
28. anthrax  
29. tuberculosis of different localization  
30. cholera  
31. plague  
32. gonorrhea  
33. syphilis

#### **List 4 (emergency conditions):**

1. asphyxia (including that of newborns)
2. hypertensive crisis
3. acute respiratory failure
4. acute heart failure
5. acute poisoning
6. acute abdomen
7. electrical injury
8. unconsciousness
9. external bleeding
10. collapse
11. coma
12. edema of the larynx
13. angioedema
14. burns and frostbite
15. convulsions
16. drowning
17. physiological delivery
18. shock
19. bone injury

#### **List 5 (laboratory and instrumental studies)**

1. analysis of puncture sample from neoplasms of soft tissues and bones
2. histomorphological study of biopsy sample from the lymph nodes, salivary glands, mucous membranes, soft tissues
3. analysis of blood glucose content
4. study of control and diagnostic models of the jaws
5. study of the functions of dentoalveolar area (breathing, swallowing, speech, chewing and TMJ)
6. total blood count
7. total urine count
8. biochemical blood test
9. immunological study in dental diseases
10. analysis of coagulogram
11. interpretation of radial diagnostics of the skull, dentoalveolar apparatus, salivary glands
12. cytological examination of the organs and tissues of the dentoalveolar apparatus
13. microbiological study of the oral fluid, smears from the oral mucosa, periodontium
14. functional diagnostics of the oral cavity (luminescent, rheoparodontography, stomatoscopy, capillaroscopy, vacuum test, etc.).

#### **List 6 (medical procedures)**

1. to conduct artificial ventilation;
2. to conduct closed-chest cardiac massage;
3. to secure the tongue;
4. to conduct a temporary arrest of external bleeding;
5. to conduct primary surgical debridement of wounds;
6. to conduct gastric and intestinal lavage;

7. to conduct transport immobilization;
8. to administer injections of medicinal agents (intramuscular, subcutaneous, intravenous, jet and drip administration);
9. to measure blood pressure;
10. to conduct the primary grooming of the newborn;
11. to determine the blood group, Rh-affiliation

#### **List 7 (dental procedures)**

1. alveolotomy
2. amputation of the pulp in temporary and permanent teeth
3. anthropometric studies of jaw models
4. selective grinding of teeth, alignment of occlusal surface, occlusogram, filling the periodontogram
5. manufacturing of temporary splints and splinting the fractures of teeth, alveolar processes and jaws
6. removal of dental deposits
7. determining the acid resistance of the enamel of teeth (ERT, CAERR, CRT-test)
8. determining and fixation of the centric relation
9. definition of Tsilinsky's symptom
10. determining the constructive occlusion
11. determining the sagittal gap
12. determining the vertical gap
13. determining the signs of orthognathic occlusion and its varieties
14. determining the signs of pathological types of bites
15. re-adjustment of dislocation of the mandible
16. sealing fissures
17. diagnostic use of staining dyes
18. diathermocoagulation
19. extirpation of the pulp in temporary and permanent teeth
20. electroodontodiagnostics
21. the use of topical agents in the treatment of diseases of the periodontium and oral mucosa
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. arrest of 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. curettage of the socket
30. curettage of periodontal pockets
31. medicinal treatment of the affected areas of the oral mucosa and periodontium
32. placing and removing temporary fillings and occlusive dressings in the treatment of caries, pulpitis, periodontitis
33. applying a rubber dam
34. applying maxillofacial devices (repositioning, forming, replacing and fixing)
35. obturation of root canals in temporary and permanent teeth with different materials
36. obtaining anatomical and functional prints with different impression material
37. obtaining models of jaws



38. obtaining impressions from intraosseous implants
39. parallelometry when planning the design of a clasp prosthesis
40. checking the design of the prosthesis in partial and complete absence of teeth
41. periostotomy
42. filling of carious cavities in temporary and permanent teeth with different filling materials
43. coating of teeth with therapeutic and prophylactic varnishes, gels, desensitizers
44. preparation of teeth for metal stamped, plastic solid, solid combined, metal-free crown
45. preparation of teeth for inlays and veneers
46. preparation and cleaning of root canals of temporary and permanent teeth
47. preparation of the root of the tooth under the pin structure
48. preparation of carious cavities in temporary and permanent teeth, taking into account the type of filling material
49. fitting different types of artificial crowns
50. conducting intradental electrophoresis
51. ligature fixation of teeth
52. carrying out professional hygiene of an oral cavity
53. carrying out professional hygiene in the area of implants
54. conducting physiological separation
55. conducting periodontal probing
56. direct and indirect pulp coating
57. registration of the position of the upper jaw with the help of the facial arch
58. incision of periodontal abscess
59. incision and excision of the hood in pericoronaritis
60. compilation of the algorithm for individual oral hygiene
61. temporary immobilization for fractures of the jaws
62. typical and atypical removal of temporary and permanent teeth
63. cystotomy
64. fixation of crowns and bridge-like dentures
65. fixation of an orthodontic ring, a crown
66. fixation of the central ratio in II, III, IV groups of defects
67. surgical treatment of wounds of soft facial tissues within one anatomical area
68. grinding and polishing of fillings made of all kinds of fillings materials