

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



**EDUCATIONAL AND PROFESSIONAL PROGRAM
MEDICINE**

Second level of higher education

Specialty 222 Medicine

Field of knowledge 22 Health

Educational qualification: Master of Medicine

APPROVED

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

Educational and professional program comes into effect on 01 September 2016.

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

With amendments and addendum approved by the Academic Council of the University

Minutes No. 9 as of June 21, 2023


Educational and professional program comes into effect on 01 September, 2023.

Rector's Order No. 221 as of June 21, 2023

Poltava 2023


**LETTER OF APPROVAL OF THE
EDUCATIONAL AND PROFESSIONAL PROGRAM**

Approved

Head of the Academic Affairs Department _____  I. Starchenko

“20” June 2023

Approved

Dean of the Medical Faculty I _____  M. Riabushko

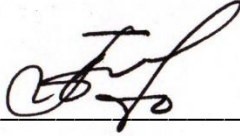
“20” June 2023

Approved

Dean of the Medical Faculty II _____  D. Kapustianskyi

“20” June 2023

Approved

Dean of the International Faculty _____  L. Buria

“20” June 2023

PREFACE

Educational and professional program Medicine of the second (Master's) level of higher education in the specialty 222 "Medicine", the field of knowledge 22 Health care is developed in accordance with the Law of Ukraine "On Higher Education", the standard of higher education in the specialty 222 "Medicine" of the field of knowledge 22 "Health" for the second (Master's) levels of higher education, the Resolution of the Cabinet of Ministers No.226 as of April 29, 2015 "On the approval of the list of fields of knowledge and specialties, according to which higher education students are trained", Resolution of the Cabinet of Ministers of Ukraine No. 1341 as of 23.11.2011 "On the approval of the National Qualifications Framework", as amended in accordance with the Resolutions of the Cabinet of Ministers of Ukraine No. 509 as of 12.06.2019, No. 519 as of 25.06.2020, the Resolution of the Cabinet of Ministers of Ukraine No. 334 as of May 28, 2018 "On the approval of the Procedure for implementation of the unified state qualification examination for students of the Master educational degree in specialties of the field of knowledge 22 "Health", the Resolution of the Cabinet of Ministers of Ukraine No. 1187 as of 30.12.2015 "On the approval of licensing conditions for educational activities of educational institutions" and other current regulatory documents.

The educational and professional program is a normative document that defines the profile of the educational and professional program in the specialty 222 "Medicine", the list of components of the program and their logical sequence, the number of ECTS credits required for the implementation of this program, the form of attestation of higher education students.

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

The Guarantor of the EPP – Ihor SKRYPNYK, Doctor of Medical Sciences, Professor, Professor of the Department of Internal Medicine No1.

Members of the working group:

Volodymyr SHEIKO – Doctor of Medical Sciences, Professor, Head of the Department of Surgery No2;

Vitalii LIAKHOVSKYI – Doctor of Medical Sciences, Professor, Head of the Department of Surgery No1;

Hanna MASLOVA – Doctor of Medical Sciences, Associate Professor, Head of the Department of Internal Medicine No1

Ivan KATERENCHUK – Doctor of Medical Sciences, Professor, Head of the Department of Internal Medicine No 2 with Occupational Diseases;

Tetiana KRIUCHKO – Doctor of Medical Sciences, Professor, Head of the Department of Pediatrics No 2;

Valerii POKHYLKO – Doctor of Medical Sciences, Professor, Professor of the Department of Pediatrics No1 with Propedeutics and Neonatology;

Antonina GROMOVA – Doctor of Medical Sciences, Professor, Head of the Department of Obstetrics and Gynecology No1;

Tetiana KOVAL – Doctor of Medical Sciences, Professor, Head of the Department of Infectious Diseases with Epidemiology;

Mykhailo DELVA – Doctor of Medical Sciences, Professor, Head of the Department of Nervous Diseases with Neurosurgery and Medical Genetics;

Iryna GOLOVANова – Doctor of Medical Sciences, Professor, Head of the Department of Social Medicine, Public Health, Organization and Economics of Healthcare with Medical and Labor Expertise;

Ivan STARCHENKO – Doctor of Medical Sciences, Professor, Head of the Department of Pathological Anatomy with Autopsy Course;

Olena BIELIAIEVA – PhD in Pedagogical Sciences, Associate Professor, Head of the Department of Foreign Languages with Latin Language and Medical Terminology

Hanna DAVYDENKO – PhD in Medical Sciences, Associate Professor, responsible for accreditation and licensing, Deputy Director of the Academic and Research Institute of Postgraduate Education;

Nataliia LOKHMATOVA – PhD in Medical Sciences, Associate Professor, Associate Professor of the Department of Pediatric Oral Surgery;

Oksana SARHOSH – PhD in Medical Sciences, Associate Professor, in charge of organizing and conducting an objective structured practical (clinical) exam for the Medicine and Pediatrics study programs at the second (master's) level of higher education, secretary of the working group;

Orest VOVK – Chief Physician of the Poltava Regional Clinical Oncology Dispensary of the Poltava Regional Council;

Oleksii TKACHENKO – 4-year student of medical faculty No1 Poltava State Medical University.

Reviews from external stakeholders:

1. Lysak V.P. – Honored Doctor of Ukraine, PhD in Medical Sciences, Associate Professor, Director of the Department of Health of the Poltava Regional State Administration.

2. Harmash P.P. – Head of Health Department of Chernihiv Regional State Administration.

3. Oksak G.A. – Chief Physician of the Communal Enterprise "Poltava Regional Clinical Hospital. M.V. Sklifosovsky Poltava Regional Council".

4. Vakaliuk I. P. – Doctor of Medical Sciences, Professor, Head of the Department of Internal Medicine No2 and Nursing, Academician of the Ukrainian Academy of Sciences, Vice-Rector for Research of Ivano-Frankivsk National Medical University.

5. Pogorilko O. A. – PhD in Medical Sciences, Chief Physician of the Municipal Enterprise "Regional Institution for the Provision of Psychiatric Care of the Poltava Regional Council".

6. Diachenko L.V. – Deputy Head of Poltava Regional Branch of Association of Pathologists of Ukraine, Head of The Department of Children's Pathology of Poltava Regional Pathology Bureau.

7. Edouard Dorczyk – Director of the University Hospital with Polyclinic (Zhylina, Slovakia).

8. Leonid Barsky – Professor, the Chairman of the Committee of Interns and Residents of the Medical Center of the University "Soroka", Head of the Therapeutic Department of the Medical Center of the University "Soroka" (Beer Sheva, Israel).

9. Hans Mall – Professor, Head of the Ludwigsburg Medical and Diagnostic Association (Ludwigsburg, Baden-Württemberg land, Germany).

Updating, reviewing, amendments and addendum of the educational and professional program Medicine at the second (Master's) level of higher education in the specialty 222 Medicine of the field of knowledge 22 Health:

Academic year	Approval by the Academic Council of UMSA (from 24.02.2021 is named PSMU) (date, protocol No)	Rector's Order on the coming into force of the EPP (date, order No)	Date of coming into force of the EPP
2017/2018	as of July 11, 2017 No. 13	as of July 12, 2017 No. 228	on September 1, 2017
2018/2019	as of June 20, 2018 No. 10	as of June 21, 2018 No. 261	on September 1, 2018
2019/2020	as of 19 June 2019, No 10	as of June 24, 2019 No. 221	on September 1, 2019
2020/2021	as of June 30, 2020 No. 12	as of July 2, 2020, No. 331	on September 1, 2020
2021/2022	as of June 23, 2021 No. 2	as of June 25, 2021 No. 421	on September 1, 2021
2022/2023	as of June 15, 2022 No.10	as of June 21, 2022 No. 165	on September 1, 2022
2023/2024	as of June 21, 2023 No.9	as of June 21, 2023 No. 165	on September 1, 2023

1. Profile of educational and professional program Specialty 222 Medicine

Components	Description of the educational and professional program
1. General information	
Full name of higher education institution and structural unit	Poltava State Medical University Medical Faculty No 1 Medical Faculty No 2 International Faculty
Higher education degree and title of qualification in the original language	Ступінь освіти – Магістр Спеціальність – 222 Медицина Освітня кваліфікація – Магістр медицини Професійна кваліфікація – Лікар
Official name of the educational and professional program	Medicine, ID 51154
Type of diploma and scope of educational and professional program	Master's degree, single issue, 360 ECTS credits, duration of study 5 years and 10 months.
Availability of accreditation	Accredited by the National Agency for Higher Education Quality Assurance. Certificate No2243 as of 04.10.2021. Certificate validity period until 01.07.2027
Cycle/Level	National Qualifications Framework of Ukraine – level 7; FQ – EHEA – the second cycle, QF-LLL – level 7
Prerequisites	Terms of admission are determined by the “Rules of admission to Poltava State Medical University”. A person has the right to obtain a Master's degree on the basis of complete general secondary education, subject to the successful completion of an external independent evaluation of the quality of education. Poltava State Medical University admits to the study in second year for obtaining a Master's degree in the specialty (educational program) 222 "Medicine" of persons, who have obtained the educational qualification level of a Junior Specialist, an educational and professional degree of a Professional Junior Bachelor, an educational degree of a Junior Bachelor in the specialties "General Medicine" (5.12010101), "Nursing Care" (5.12010102), "Obstetrics" (5.12010105), 223 "Nursing", competitive selection is carried out based on the results of entrance examinations. Admission / enrollment of foreigners and stateless persons is based on the results of entrance exams and on the basis of academic rights to continue studying provided with a document on the level of education obtained in the country of origin, and taking into account the eligibility scores to continue their studies at the next level of higher education in accordance with the laws of the country that issued the document on obtained level of education.
Language(s) of teaching	Ukrainian, English
Validity of the educational and professional program	6 years
Internet address of permanent placement of	https://www.pdmu.edu.ua/fakultets/med/opis-osvtno-profesiynoyi-programi

the description of the educational and professional program	
2. The purpose of the educational and professional program	
<p>The educational and professional program Medicine corresponds to the mission, vision and key values of the University and is aimed at the formation of specialized conceptual knowledge based on modern scientific achievements in the field of public health, which will provide academic training for highly professional specialists with the formation and acquisition of general and special competences of a physician for further professional activities; capable of solving complex problems in atypical situations or new environments, to research and innovation activities; conducting training with a high degree of autonomy at the next level of higher education; forms the ability to effectively operate in a globalized information society, based on their ideological and social position.</p>	
3. Characteristics of the educational and professional program	
Subject area (field of knowledge, specialty, specialization)	Field of knowledge 22 "Health" Specialty 222 "Medicine"
Orientation of the educational and professional program	The educational and professional program has an applied orientation in the field of public health, prevention, diagnostics and treatment of human diseases.
The main focus of the educational and professional program	Higher education in the field of knowledge 22 "Health", specialty 222 "Medicine" Keywords: public health, medicine, higher education, Master, physician.
Features of the program	<p>The uniqueness of the EP is determined by the combination of classical university education, which ensures the formation of a worldview, the development of thinking, unique abilities of the individual with the acquisition of full-fledged professional competencies; with practice in educational and scientific medical centers of the University; experience of surgical, cardiological and gastroenterological schools of Poltava State Medical University; with ensuring a close connection between the training of medical specialists with science, the latest technologies, clinical practice.</p> <p>Progress in the field of fundamental and applied medical research and the introduction of their results into practice necessitates to train medical specialists at the university with the use of innovative technologies as part of the EP training of medical higher education students.</p>
4. Suitability of graduates for employment and further study	
Suitability for employment	<p>A specialist is prepared to work according to the Classification of Economic Activities SC 009: 2010:</p> <p>Section Q. Health and Social Care Section 86. Health Group 86.1 Activities of hospitals Class 86.10 Activities of hospitals Class 86.21 General Medical Practice Class 86.90 Other health activities</p> <p>After completion of training in the educational and professional program of Master's degree in the specialty "Medicine", the specialist is able to perform professional work: Intern doctor (CP code – 3229);</p>

	<p>trainee doctor (CP code – 3221); resident doctor (CP code – XXX).</p>
Further study	<p>For further professional training in the specialty "Medicine", the specialist must enter the programs of postgraduate education – internship (primary specialization), where training in educational programs in a certain specialty is carried out according to the list approved by the Order of the Ministry of Health of Ukraine No. 81 as of 23.02.2005, and can also enter the educational and scientific program for obtaining a PhD. degree.</p> <p>After training in internship, a specialist is assigned a qualification of a physician who is able to perform the professional work specified in the SC 003:2010 and can hold the appropriate medical position:</p> <p>Section 2 Professionals Subsection 22 Life Sciences and Health Sciences Professionals Class 221 Professionals in life sciences and medical sciences Class 222 Professionals in medicine (except nurses). Subclass 2221 Professionals in the field of general medicine (except dentistry). Group 2221.2 Physicians. Subclass 2225 Professionals in the field of medical and preventive activities. Group 2225.2 Physicians, specialists in the field of medical and preventive activities. Group 2229.2 Professionals in the field of medicine (except nursing and obstetrics).</p> <p>In the future, specialists can undergo retraining and training on secondary specialization cycles, and acquire other medical specialties and perform appropriate types of professional activities.</p> <p>The growth of professional skills will ensure the continuous professional development of physicians on advanced training courses on the specific specialty, information and traineeship and other types of postgraduate education.</p>
5. Teaching and assessment	
Teaching and learning	<p>The main types of teaching and learning at Poltava State Medical University are: lectures, practical classes, seminars, consultations, individual classes, research activities with tutoring support of the teacher, independent extracurricular work, practical training in a hospital.</p> <p>Problem-oriented learning, self-study, practice-oriented learning, study through research, simulation training.</p>
Assessment	<p>Control measures for assessing the educational activities include continuous, intermediate and final control of knowledge, skills, ways of thinking of higher education students.</p> <p>Final control includes semester control and state attestation. Grades "Excellent", "Good", "Satisfactory" are given based on the results of final module control, exams, practical training in a hospital. The grade "Passed" is given based on the results of pass/fail tests.</p> <p>The final attestation on the educational and professional program in the specialty 222 "Medicine" is carried out in the form of the Unified State Qualification Exam (USQE). The USQE is carried out in accordance with the "Procedure for the implementation of the Unified</p>

	<p>State Qualification Exam to obtain the Master's degree in the specialties of the field of knowledge "Health" and consists of the following components:</p> <ul style="list-style-type: none"> • integrated test exam "KROK", which assesses the compliance of the quality of training of specialists with higher education standards and is carried out by the State Organization "Center for testing the professional competence of specialists with higher education in the areas of training “Medicine” and “Pharmacy” under the Ministry of Health Ukraine; • English Language for Professional Use exam, which assesses the professionally oriented English-language competence of higher education students and is conducted by the State Organization "Center for testing the professional competence of specialists with higher education in the areas of training “Medicine” and “Pharmacy” under the Ministry of Health Ukraine; • the Objective Structured Practical (Clinical) Exam (OSCI) that assesses the readiness of the graduate to conduct professional activities in accordance with the requirements of the higher education standard by demonstrating the practical (clinical) components of professional competence at a real object or model and is carried out by the Examination Commission of a higher education institution.
6. Program competencies	
Integral competence	The ability to solve complex problems, including research and innovation in the field of medicine. The ability to continue study with a high degree of autonomy.
General competences	<ol style="list-style-type: none"> 1. Ability to abstract thinking, analysis and synthesis. 2. Ability to learn and master up-to-date knowledge. 3. Ability to apply knowledge in practical situations. 4. Knowledge and understanding of the subject area and understanding of professional activity. 5. Ability to adapt and act in a new situation. 6. Ability to make rational decisions. 7. Ability to work in a team. 8. Ability to interpersonal interaction. 9. Ability to communicate in a foreign language. 10. Ability to use information and communication technologies. 11. Ability to search, process and analyze information from various sources. 12. Certainty and perseverance regarding the tasks and responsibilities taken. 13. Certainty and perseverance regarding the tasks and responsibilities taken. 14. The ability to exercise their rights and obligations as a member of society, to realize the values of civil (free democratic) society and the need for its sustainable development, supremacy of law, rights and freedoms of a person and citizen. 15. The ability to preserve and increase moral, cultural, scientific values and achievements of society based on understanding history and patterns of development of the subject area, its place in the general system of knowledge about nature and development of the society, machinery and technology, use

	different types and forms of motor activity for the active recreation and healthy living.
Special (professional, subject) competencies	<ol style="list-style-type: none"> 1. The ability to collect medical information about the patient and analyze clinical data. 2. The ability to determine the required list of laboratory and instrumental studies and evaluate their findings. 3. The ability to establish a preliminary and clinical diagnosis of the disease. 4. The ability to determine the necessary mode of work and rest in the treatment and prevention of diseases. 5. The ability to determine the nature of nutrition in the treatment and prevention of diseases. 6. The ability to determine the principles and nature of treatment and prevention of diseases. 7. The ability to diagnose emergencies. 8. The ability to determine tactics and provide emergency medical care. 9. The ability to carry out medical and evacuation measures. 10. The ability to perform medical manipulations. 11. The ability to untangle medical problems in a new or unfamiliar environment in the presence of incomplete or limited information, taking into account aspects of social and ethical responsibility. 12. The ability to determine the tactics of management of physiological pregnancy, physiological labor and the postpartum period. To conduct consultations on family planning and methods of contraception 13. The ability to conduct sanitary and hygienic and preventive measures. 14. The ability to plan and carry out preventive and anti-epidemic measures for infectious diseases. 15. The ability to conduct the working capacity expertise. 16. The ability to make medical records, including electronic forms. 17. The ability to assess the impact of the environment, socio-economic, biological determinants on the health of the individual, family, population. 18. The ability to analyze the activities of a physician, unit, health care facility, ensure the quality of medical care and increase the efficiency of the use of medical resources. 19. The ability to organize and integrate the provision of medical care to the population and the marketing of medical services. 20. The ability to conduct epidemiological and medical-statistical studies of public health; processing of social, economic and medical information. 21. The ability to convey clearly the own knowledge, conclusions and arguments on health problems and related issues to specialists and non-professionals, in particular, to those who study. 22. The ability to manage healthcare processes that are complex, unpredictable and require new strategic approaches 23. The ability to develop and implement scientific and applied projects in the field of public health. 24. Compliance with ethical principles when working with patients,

their relatives, laboratory animals.
 25. Compliance with professional and academic integrity, responsibility for the reliability of scientific results obtained.

7. Program learning outcomes

1. Have a thorough knowledge of the structure of professional activity. Be able to carry out professional activities that require updating and integrating knowledge. Be responsible for professional development, the ability to further professional training with a high level of autonomy.
2. Understanding and knowledge of the fundamental and clinical biomedical sciences, at a level sufficient to solve professional problems in the field of public health.
3. Specialized conceptual knowledge, including scientific achievements in the field of public health and is the basis for research, critical understanding of problems in the field of medicine and related interdisciplinary problems.
4. Distinguish and identify major clinical symptoms and syndromes (according to list 1); according to standard methods, using preliminary data of the patient's history, data of the patient's examination, knowledge on a human being, the organs and systems of the body, establish a preliminary clinical diagnosis of the disease (according to list 2).
5. Collect complaints, history of life and disease, evaluate the psychomotor and physical development of the patient, the state of organs and systems of the body, and estimate the information on the diagnosis (according to the list 4), taking into account the age of the patient.
6. To establish the final clinical diagnosis by making a rational decision and analyzing the obtained subjective and objective data of clinical, additional examination, differential diagnosis, adhering to the relevant ethical and legal norms, under the supervision of a physician in a health care facility (according to list 2).
7. Prescribe and analyze additional (mandatory and optional) methods of examination (laboratory, functional and / or instrumental) (according to list 4), patients with diseases of organs and body systems for differential diagnosis of diseases (according to list 2).
8. Determine the main clinical syndrome or what determines the severity of the condition of the victim (according to the list 3) by making a reasonable decision and assessing the human condition in any circumstances (in the conditions of a health care facility, outside) including in an emergency and hostilities, in the battlefield, in conditions of lack of information and limited time.
9. Determine the nature and principles of treatment of patients (conservative, operative) with diseases (according to list 2), taking into account the age of the patient, in the conditions of the health care facility, outside and at the stages of medical evacuation, including on the battlefield, on the basis of the preliminary clinical diagnosis, adhering to the relevant ethical and legal norms, by making a reasonable decision according to existing algorithms and standard schemes, if it is necessary to expand the standard scheme, be able to justify personalized recommendations under the supervision of a physician in a medical facility.
10. Determine the necessary mode of work, rest and nutrition on the basis of the final clinical diagnosis, adhering to the relevant ethical and legal norms, by making a rational decision on existing algorithms and standard schemes.
11. Determine the approach, plan and tactics of management of physiological pregnancy, physiological labor and the postpartum period by making a rational decision according to existing algorithms and standard schemes.
12. To assess the general condition of a newborn child by making a rational decision according to existing algorithms and standard schemes, adhering to the relevant ethical and legal norms.
13. To assess and monitor the development of a baby, to provide recommendations on feeding and nutritional characteristics depending on age, to organize preventive

vaccinations according to the calendar.

14. Identify tactics and provide emergency medical care in emergency situations (according to list 3) in conditions of limited time in accordance with existing clinical protocols and standards of treatment.
15. Organize the provision of medical care and medical and evacuation measures to the population and military personnel in emergency situations and hostilities, including on the battlefield.
16. To form rational medical routes of patients; organize interaction with colleagues in their own and other facilities, organizations and institutions; apply tools for promoting medical services on the market, based on the analysis of the needs of the population, in the conditions of functioning of the health care facilities, its unit, in a competitive environment.
17. Perform medical manipulations (according to the list of 5) in a medical facility, at home or at the enterprise on the basis of a preliminary clinical diagnosis and / or indicators of the patient's condition by making a rational decision, adhering to the relevant ethical and legal norms.
18. Determine the state of functioning and limitations of the person's life and duration of disability with the execution of responsible documents, in the conditions of a health care facility on the basis of data on the disease and its course, features of human professional activity, etc. To make records in the medical documentation of the patient and contingent of the population on the basis of regulatory documents.
19. Plan and implement a system of anti-epidemic and preventive measures for the occurrence and spread of diseases among the population.
20. Analyze the epidemiological state and carry out activities of mass and individual, general and local prevention of infectious diseases.
21. To find the necessary information in the professional literature and databases of other sources, to analyze, evaluate and apply this information.
22. Apply the state-of-the-art digital technologies, specialized software, statistical methods of data analysis to solve complex health problems.
23. Assess the impact of the environment on human health to assess the state of morbidity of the population.
24. Organize the required level of individual safety (own and the patients') in case of typical dangerous situations in the individual field of activity.
25. To convey clearly and unequivocally the own knowledge, conclusions and arguments on health problems and related issues to specialists and non-professionals.
26. Manage work processes in the field of public health, which are complex, unpredictable and require new strategic approaches, organize the work and professional development of personnel, taking into account the acquired skills of effective teamwork, leadership positions, proper quality, accessibility and fairness, ensuring the provision of integrated medical care.
27. Freely communicate in the national and English language, both orally and in writing to discuss professional activities, research and projects. Use international Greek-Latin terms, abbreviations and clichés in professional oral and written speech.
28. Make effective decisions on health problems, evaluate the necessary resources, take into account social, economic and ethical consequences.
29. Plan, organize and conduct activities on specific prevention of infectious diseases, including in accordance with the National Schedule of Preventive Vaccinations, both mandatory and recommended. Manage the remnants of vaccines, organize additional vaccine campaigns, including immunoprophylaxis measures.
30. Use international Greek-Latin terms, abbreviations and clichés in professional oral and written communication.

8. Educational environment and resources	
Teaching staff	<p>Scientific and pedagogical staff of the university departments fully provide training of higher education students in the specialty 222 "Medicine" in accordance with the Licensing Conditions (Resolution of the Cabinet of Ministers of Ukraine "On Approval of Licensing Conditions for Educational Activities of Educational Institutions" as of 30.12.2015. No. 1187 as amended on 10.05.2018 No. 347). Formation of the qualitative composition of scientific and pedagogical workers takes place at the expense of scientific training in postgraduate studies and involvement in teaching activities of persons with scientific degrees and academic titles on a competitive basis by concluding contracts or academic rank, confirmed level of scientific and professional activity; 100% of scientific and pedagogical staff of the support group are full-time employees of the University. The educational process in English is carried out by teachers who have certificates confirming proficiency in English at the level of B2.</p>
Material and technical support	<p>The material and technical base of Poltava State Medical University allows to implement the educational process, scientific and medical-consultative work at the modern level in accordance with the requirements of the standard of higher education in the specialty 222 Medicine, the field of knowledge 22 Health for the second (Master's) level of higher education, curriculum and programs component of the educational and professional program. The conditions of training of higher education students in the university fully meet the hygienic requirements.</p> <p>The University has a total area of premises of 51343.9 m². On its balance there are 15 buildings, including: 5 educational buildings (total area – 23202.2 m²), four dormitories (total area – 23476.2 m²), sports and recreation complex, canteen, household buildings, vivarium, hangars, health and sports camp. All buildings have technical passports. The area of educational premises directly used in the educational process is: 21179.8 m² - educational premises located in the university buildings, 12452.45 m² - educational premises of departments located in health care facilities.</p> <p>Training of higher education students is carried out on clinical bases that have proper material and technical support that meets the requirements for healthcare institutions. In practical classes in clinics, diagnostic equipment is used: ultrasound diagnostic devices, computed tomography scanners, X-ray diagnostic devices, etc. Lecture auditoriums are 100% equipped with multimedia equipment.</p> <p>To increase the level of knowledge in the specialty and in-depth practical training, diagnostic centers have been created in the university: Educational and Consultative Diabetes Center, Educational and Practical Laboratory of Clinical Rehabilitation, Educational and Practical Center for Rehabilitation of Oncological Patients, Training and Practical Training Center for Modern Technologies of Perinatal Medicine named after N.M. Maksimovich-Ambodyk, Educational and Practical Center for General Practice - Family Medicine, Poltava Regional Antihypertensive Center, Poltava Regional Educational Scientific and Practical Center of Interventional Radiology,</p>

	<p>Educational diagnostic medical pulmonary center, Educational diagnostic and treatment center for patients with Parkinson's disease and degenerative diseases, Educational diagnostic and treatment center for patients with primary headache.</p> <p>In May 2020, a new Simulation Center was opened, equipped with modern simulators for practicing practical skills and conducting OSCI as a component of the State Attestation of Students for the Second (Master's) Level of Higher Education in the specialty 222 "Medicine".</p> <p>The book supply of most components of the educational program meets the licensing requirements. There is a virtual reference service, interlibrary loan. All resources and services of the library are presented on the Internet.</p> <p>The provision of students with computers during training fully complies with the standards. The local network of the university is connected to the Internet by the help of a fiber optic cable with a bandwidth of 1 GB/s of guaranteed flow.</p> <p>The material and technical base of the university for practical classes on physical education and work of sports sections is represented by 5 sports halls (2052.2 m²) and sports grounds (3608m²).</p>
Information, educational and methodological support	<p>Information and educational and methodological support meets the licensing conditions for conducting educational activities for the training of specialists at the second (Master's) level of higher education and includes: schedule of the educational process, curriculum, academic plan of disciplines, thematic plans of lectures, practical and seminar classes, syllabuses, criteria for assessing knowledge, lists of questions to in-class and final controls, a list of questions for exams, a list of situational and test tasks, a list of recommended teaching and methodological literature, visual and technical means of training.</p> <p>On the official website https://www.pdmu.edu.ua/ there is basic information about the activities of the university and an existing electronic resource that contains educational materials component of the educational and professional program. Distance learning of the University has been developed in connection with the introduction of video conferencing technology: the Lync 2010 software package, TrueConf and the POLYCOM QDX-600 software and hardware complex.</p>
9. Academic mobility	
National Credit Mobility	The right to national credit mobility is realized on the basis of the Law of Ukraine "On Higher Education" and agreements between higher education institutions (scientific institutions) of Ukraine or their main structural subdivisions.
International Credit Mobility	The right to international credit mobility is realized on the basis of international agreements on cooperation in the field of education and science, international programs and projects (Erasmus+), and can also be implemented by a participant of the educational process on his/her own initiative (on the basis of individual invitations) supported by the leadership of Poltava State Medical University.
Training of foreign higher education students	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".

2. List of components of the educational and professional program and their logical sequence

2.1. List of components of the educational and professional program

Code	Components of the educational program (disciplines, practices)	Number of credits ECTS	Final control form
1	2	3	4
Mandatory components of the EPP			
The cycle of general training			
MC1.	Ukrainian language (for professional use)	3	FMC
MC 2.	Philosophy	3	FMC
MC 3.	History of Ukraine	3	FMC
MC 4.	Foreign language (for professional use)	3	FMC
MC 5.	Latin language and medical terminology	4	FMC
MC 6.	Medical biology	5	Exam
MC 7.	Medical and biological physics	4	FMC
MC 8.	Medical chemistry	3	FMC
MC 9.	Biological and bioorganic chemistry	9	Exam
MC 10.	Human Anatomy	12	Exam
MC 11.	Histology, cytology and embryology	10	Exam
MC 12.	Physiology	9	Exam
MC 13.	Microbiology, virology and immunology	8	Exam
Total of the cycle		76	
The cycle of professional training			
MC 14.	Clinical anatomy and operative surgery	3	FMC
MC 15.	Pathomorphology	7	Exam
MC 16.	Pathophysiology	7	Exam
MC 17.	Pharmacology	7	Exam
MC 18.	Hygiene and ecology	5	FMC
MC 19.	Propedeutics of internal medicine	4	FMC
MC 20.	Propedeutics of pediatrics	3	FMC
MC 21.	General surgery	4	FMC
MC 22.	Radiology	3	FMC
MC 23.	Internal medicine, including endocrinology, medical genetics	8	Exam
MC 24.	Internal medicine, including clinical pharmacology, clinical immunology and allergology, occupational diseases	8	Exam
MC 25.	Internal medicine	8	FMC

MC 26.	Pediatrics	3	Exam
MC 27.	Pediatrics with neonatology and childhood infectious diseases	4	Exam
MC 28.	Pediatrics with children's infectious diseases	4	FMC
MC 29.	Surgery	5	Exam
MC 30.	Surgery, including pediatric surgery, neurosurgery	6	Exam
MC 31.	Surgery, including pediatric surgery	4	FMC
MC 32.	Obstetrics and Gynecology	8	Exam
MC 33.	Social medicine, public health	6	FMC
MC 34.	Otorhinolaryngology	3	FMC
MC 35.	Ophthalmology	3	FMC
MC 36.	Neurology	4	FMC
MC 37.	Urology	3	FMC
MC 38.	Forensic medicine. Medical Law of Ukraine	3	FMC
MC 39.	Dermatology, venereology	3	FMC
MC 40.	Psychiatry, narcology	4	FMC
MC 41.	Infectious diseases	6	FMC
MC 42.	Oncology and Radiation Medicine	4	FMC
MC 43.	Phthisiary	3	FMC
MC 44.	Traumatology and orthopedics	3	FMC
MC 45.	Anesthesiology and intensive care, emergency and emergency medical care	5	FMC
MC 46.	Basics of tactical medicine	3	FMC
MC 47.	Training of reserve officers in the field of knowledge "Health". Specialty "Medicine"	10*	FMC
MC 48.	Ukrainian as a foreign language for professional purposes	3**	FMC
MC 49.	Emergency surgery	6**	FMC
MC 50.	Infectious, tropical and parasitic diseases	7***	FMC
Total of the cycle		164	
The cycle of practical training			
MC 51.	Patient care	6	FMC
MC 52.	Nursing practice, medical manipulations	6	FMC
MC 53.	Medical Practice in a Hospital	6	FMC
MC 54.	Medical Practice in a Hospital	6	FMC
MC 55.	Specialized medical practice	6	FMC
Total of the cycle		30	
Total required components		270	
Elective components of the EPP			

Electives			
EC1.	Chemical and physical-chemical methods of examination in medicine	3	Pass/fail test
EC 2.	History of Medicine	3	Pass/fail test
EC 3.	Foreign language	3	Pass/fail test
EC 4.	Life safety; basics of bioethics and biosafety	3	Pass/fail test
EC 5.	Science of Law	3	Pass/fail test
EC 6.	Ukrainian language of the basic level	3	Pass/fail test
EC 7.	Democracy: philosophy and mechanisms	3	Pass/fail test
EC 8.	Professional communications. Key competencies	3	Pass/fail test
EC 9.	Molecular biology	3	Pass/fail test
EC 10.	Medical informatics	3	Pass/fail test
EC 11.	Academic writing	3	Pass/fail test
EC 12.	Occupational Safety	3	Pass/fail test
EC 13.	Deontology in Medicine	3	Pass/fail test
EC 14.	Methodology of modern scientific research	3	Pass/fail test
EC 15.	Current problems of Biophysics	3	Pass/fail test
EC 16.	European Standard of Computer Literacy	3	Pass/fail test
EC 17.	Integrative course: modern achievements of theoretical medicine	6	Pass/fail test
EC 18.	Ukrainian Professional Language: a physician – patient	3	Pass/fail test
EC 19.	Medical psychology	3	Pass/fail test
EC 20.	English for professional use	3	Pass/fail test
EC 21.	Current issues of molecular biology	3	Pass/fail test
EC 22.	Modern standards of medical care	3	Pass/fail test
EC 23.	Foreign language (second)	3	Pass/fail test
EC 24.	Modern information technologies in the practice of a physician	3	Pass/fail test
EC 25.	Physical rehabilitation, sports medicine	3	Pass/fail test
EC 26.	Clinical biochemistry	3	Pass/fail test
EC 27.	Laboratory diagnostics	3	Pass/fail test
EC 28.	Key aspects of evidence-based medicine	3	Pass/fail test
EC 29.	Basics of psychotherapy	3	Pass/fail test
EC 30.	Side effects of drugs	3	Pass/fail test
EC 31.	Prevention of smoking, drug addiction, alcoholism	3	Pass/fail test
EC 32.	Essentials of dentistry	3	Pass/fail test

EC 33.	Fundamentals of sexology and sexopathology	3	Pass/fail test
EC 34.	Management and Marketing in Medicine	3	Pass/fail test
EC 35.	Autopsy course	3	Pass/fail test
EC 36.	Basics of medical cosmetology	3	Pass/fail test
EC 37.	Reproductive Health: Family Planning	3	Pass/fail test
EC 38.	Clinical aspects of immunoprophylaxis	3	Pass/fail test
EC 39.	Plastic and reconstructive surgery	3	Pass/fail test
EC 40.	Endoscopic technologies in obstetrics and gynecology	3	Pass/fail test
EC 41.	General practice (family medicine)	3	Pass/fail test
EC 42.	Palliative and hospice medicine	3	Pass/fail test
EC 43.	Endoscopic technologies in surgery	3	Pass/fail test
EC 44.	Topical issues of endocrinology	3	Pass/fail test
EC 45	Integrative course: theoretical foundations of clinical medicine	9	Pass/fail test
EC 46	Modern approaches to the management of the patient in a therapeutic hospital	9	Pass/fail test
EC 47	Modern approaches to treatment in abdominal surgery	9	Pass/fail test
EC 48	Topical issues of pediatrics and perinatology	9	Pass/fail test
Total of the elective components		90	
Physical training			
Attestation			
THE TOTAL OF THE EDUCATIONAL AND PROFESSIONAL PROGRAM including mandatory components (75%) elective components 25%)		360	

*MC 47 Training of reserve officers in the field of knowledge 22 "Health", specialty 222 "Medicine" is provided for higher education students-citizens of Ukraine in the amount of 10 ECTS credits.

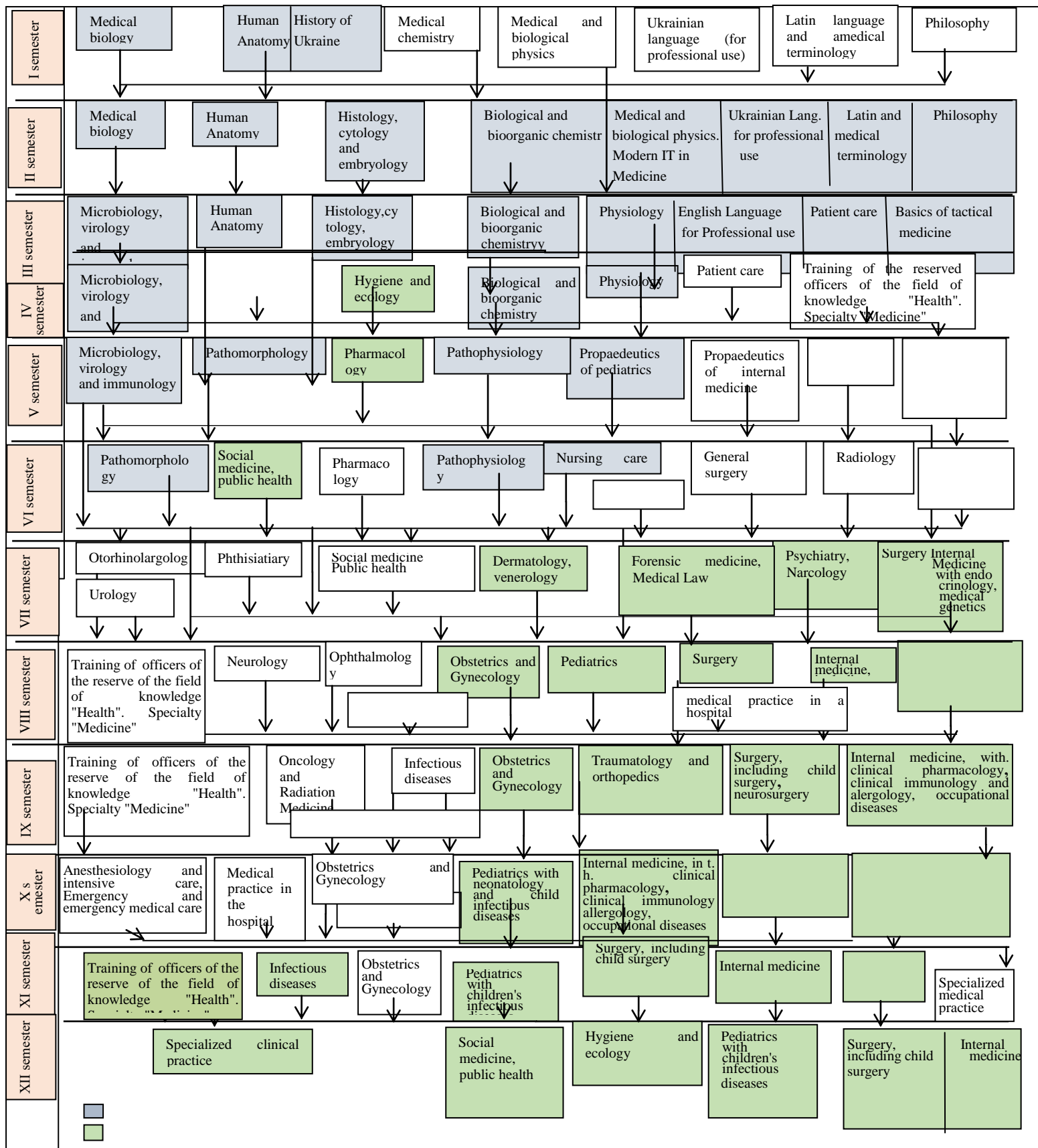
**MC 48 Ukrainian as a foreign language for professional use in the amount of 3 ECTS is provided for international higher education students and stateless persons.

**MC 49 Emergency surgery in the amount of 6 ECTS credits is provided for foreign higher education students and stateless persons.

***MC 50 Infectious, tropical and parasitic diseases in the amount of 7 ECTS credits is provided for foreign higher education students and stateless persons in place of MC 39 Infectious diseases in the amount of 6 ECTS credits.

2.2. Structural and logical scheme of the EP

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



3. The form of attestation of higher education students

Forms of attestation of higher education students	Attestation is according to the educational and professional program in the specialty "Medicine" is carried out in the form of USQE.
Requirements for the Unified State Qualification Exam	<p>The exam is carried out in accordance with the Procedure for the implementation of the USQE for students for an educational Master's degree in the specialties of knowledge "Health" and consists of the following components:</p> <ul style="list-style-type: none">• integrated test exam "KROK", which assesses the compliance of the quality of training of specialists with higher education standards and is carried out by the State Organization "Center for testing the professional competence of specialists with higher education in the areas of training "Medicine" and "Pharmacy" under the Ministry of Health Ukraine;• English Language for Professional Use exam, which assesses the professionally oriented English-language competence of higher education students and is conducted by the State Organization "Center for testing the professional competence of specialists with higher education in the areas of training "Medicine" and "Pharmacy" under the Ministry of Health Ukraine;• the Objective Structured Practical (Clinical) Exam (OSCI) that assesses the readiness of the graduate to conduct professional activities in accordance with the requirements of the higher education standard by demonstrating the practical (clinical) components of professional competence at a real object or model and is carried out by the Examination Commission of a higher education institution.

Attestation ends with the issuance of the Diploma of the established sample on the assignment of the graduate of educational qualification "Master of Medicine" and professional qualification: Physician. Attestation is carried out transparently and publicly.

	MC 28	MC 29	MC 30	MC 31	MC 32	MC 33	MC 34	MC 35	MC 36	MC 37	MC 38	MC 39	MC 40	MC 41	MC 42	MC 43	MC 44	MC 45	MC 46	MC 47	MC 48	MC 49	MC 50	MC 51	MC 52	MC 53	MC 54	MC 55	
SC1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				+	+			+	+	+	
SC2	+	+	+	+	+		+	+	+	+		+	+	+	+	+	+	+				+	+				+	+	+
SC3	+	+	+	+	+		+	+	+	+		+	+	+	+	+	+	+	+				+	+			+	+	+
SC4			+	+	+	+	+	+	+	+		+	+	+	+	+	+						+				+	+	+
SC5	+	+	+	+	+							+		+													+	+	+
SC6	+	+	+	+	+		+	+	+	+		+	+	+	+	+	+	+					+				+	+	+
SC7	+	+	+	+	+		+	+	+	+			+	+	+		+	+	+				+	+			+	+	+
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SC9		+	+	+										+			+	+	+	+			+						
SC10		+	+	+	+		+	+	+	+		+		+	+	+	+	+	+				+	+	+	+	+	+	+
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SC25	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

**5. Matrix of provision of the program learning outcomes (PLO)
by the relevant components of the educational and professional program**

	MC 1	MC 2	MC 3	MC 4	MC 5	MC 6	MC 7	MC 8	MC 9	MC 10	MC 11	MC 12	MC 13	MC 14	MC 15	MC 16	MC 17	MC 18	MC 19	MC 20	MC 21	MC 22	MC 23	MC 24	MC 25	MC 26	MC 27		
PLO 1	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
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PLO 3		+					+		+							+		+	+	+	+	+	+	+	+	+	+		
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	MC 28	MC 29	MC 30	MC 31	MC 32	MC 33	MC 34	MC 35	MC 36	MC 37	MC 38	MC 39	MC 40	MC 41	MC 42	MC 43	MC 44	MC 45	MC 46	MC 47	MC 48	MC 49	MC 50	MC 51	MC 52	MC 53	MC 54	MC 55	
PLO 1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+						
PLO 2	+	+	+	+	+		+	+	+	+		+	+	+	+	+	+	+					+	+					
PLO 3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				+	+					
PLO 4	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+				+	+	+	+	+	+	+
PLO 5	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+						+					
PLO 6		+	+		+		+	+	+	+	+	+	+	+	+	+	+	+	+				+						
PLO 7	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+				+				+	+	+
PLO 8														+					+	+	+		+				+	+	+
PLO 9	+	+	+	+	+		+	+	+	+		+	+	+	+	+	+							+			+	+	+
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PLO 30																											+	+	+

Program Guarantor:

Doctor of Medical Sciences, Professor, Professor of the Department of Internal Medicine №1

I. Skrypnyk

List1 (syndromes and symptoms)

1. Amenorrhea
2. Acromegaly
3. Anemic syndrome
4. Anuria and oliguria
5. Arterial hypertension
6. Arterial hypotension
7. Chest pain
8. Abdominal pain
9. Pain of the limbs and back
10. Perineal pain
11. Sore throat
12. Vomiting
13. Broncho-obstructive syndrome
14. Bulbar syndrome
15. Effusion into the pleural cavity
16. Hallucinatory-paranoid syndrome
17. Fever
18. Hemorrhagic Syndrome
19. Hypoglycemia
20. Hyperglycemia
21. Exanthema, enanthema
22. Hepatomegaly and hepatolienal syndrome
23. Headache
24. Dysuria
25. Dysmenorrhea
26. Dyspepsia
27. Dysphagia
28. Diarrhea
29. Jaundice
30. Shortness of breath
31. Asphyxia
32. Constipation
33. Dizziness
34. Child growth retardation
35. Cardiomegaly
36. Cough
37. Intestinal Obstruction
38. Comma
39. External bleeding
40. Internal bleeding
41. Hemoptysis
42. Laceration
43. Lymphadenopathy
44. Meningeal syndrome
45. Uterine bleeding
46. Edema syndrome
47. Obesity (excess body weight)
48. Paresis, paralysis
49. Premature sexual development
50. Fractures of tubular cysts
51. Pneumothorax tense (closed)
52. Pneumothorax unstressed (open)
53. Pneumothorax valve
54. Polyuria
55. Portal hypertension
56. Speech disorders (aphasia)
57. Heart rhythm and conduction disorders
58. Sudden cardiac arrest
59. Disorders of consciousness
60. Itchy skin
61. Urinary syndrome
62. Dementia syndrome
63. Dehydration syndrome
64. Digestive insufficiency syndrome
65. Thirst
66. Stridor
67. Joint syndrome
68. Cramps
69. Weight loss
70. Cyanosis
71. Partial or complete loss of vision
72. Partial or complete hearing loss
73. Gastrointestinal bleeding

List2 (diseases)**I) Diseases of blood and hematopoietic organs, disorders with the involvement of the immune mechanism**

1. Anemia
2. Hemolytic disease of newborns
3. Hemophilia
4. Leukemia
5. Lymphoma
6. Congenital (Bruton's disease, Wiskott-Aldrich syndrome) and acquired immunodeficiency conditions
7. Sepsis of newborns
8. Surgical sepsis
9. Idiomatic thrombocytopenic purpura
10. Chronic radiation lesions

II) Mental and behavioral disorders:

11. Bipolar affective disorder
12. Acute psychosis including alcoholic delirium
13. Epilepsy
14. Neurotic disorders
15. Personality disorders
16. Schizophrenia

III) Diseases of the nervous system

17. Intracranial injury
18. Meningitis, encephalitis
19. Migraine and other types of headaches
20. Perinatal encephalopathy
21. Disorders of the autonomic nervous system
22. Cerebral circulation disorders
23. Vertebrogenic diseases of the nervous system, neuropathy and polyneuropathy
24. Multiple sclerosis
25. Chronic occupational lesions (vibrational disease, occupational dyskinesia)
26. Strokes (ischemic, hemorrhagic)

Diseases of the eye

27. Blepharitis
28. Glaucoma
29. Conjunctivitis
30. Foreign body of the organ of vision
31. Injuries to the organ of vision
32. Retinopathy
33. Exophthalm

Diseases of the throat, ears, nose

34. Laryngitis
35. Otitis
36. Peritonsillar abscess
37. Sinusitis
38. Tonsillitis
39. Injuries to the throat, ears, nose

IV) Diseases of the cardiovascular system:

40. Aortic aneurysms
41. Atherosclerosis
42. Varicose dilation of the veins of the lower extremities
43. Congenital heart defects
44. Secondary arterial hypertension
45. Acute occlusion of the main and peripheral arteries;
46. Endocarditis
47. Essential and secondary arterial hypertension
48. Coronary heart disease
49. Carditis
50. Cardiomyopathy
51. Pulmonary heart
52. Acquired heart defects
53. Obliterating endarteritis
54. Pericarditis
55. Heart rhythm and conduction disorders
56. Heart failure
57. Heart and blood vessel injuries
58. Pulmonary embolism
59. Phlebitis, thrombophlebitis

V) Respiratory and mediastinum diseases:

60. Asphyxia
61. Bronchial asthma
62. Bronchitis
63. Bronchiectasis
64. Broncho-pulmonary dysplasia
65. Congenital malformations of respiratory organs
66. Acute respiratory distress syndrome
67. Respiratory insufficiency
68. Infectious and destructive lung diseases
69. Pulmonary insufficiency
70. Mediastinitis
71. Mucoviscidosis
72. Neoplasms of the lungs and mediastinum
73. Pleurisy
74. Pneumoconiosis
75. Pneumonia
76. pneumothorax
77. Respiratory distress syndrome and pneumonia of newborns
78. Foreign body in the respiratory tract
79. Chest trauma (superficial, open)
80. Chronic obstructive pulmonary disease

VI) Gastrointestinal Diseases:

81. Rectal prolapse
82. Peptic ulcer disease
83. Congenital malformations of the digestive system
84. Gastroesophageal reflux disease, esophagitis
85. Gastritis, duodenitis
86. Acute and chronic hepatitis
87. Acute intestinal obstruction
88. Acute and chronic appendicitis
89. Acute and chronic pancreatitis
90. Benign diseases of the esophagus
91. Enteritis, colitis
92. Inflammatory diseases of the rectum of the perianal region
93. Perineal and rectum inflammatory

diseases

94. Neoplasms of the esophagus, stomach, colon, liver and pancreas
95. Peptic ulcers of the stomach and duodenum
96. Peritonitis
97. Perforation of the hollow organ
98. Hepatic insufficiency
99. Malabsorption syndrome
100. Pylorus stenosis of the stomach
101. Abdominal injuries (superficial, open)
102. Functional gastrointestinal disorders
103. Diseases of the operated stomach
104. Cholecystitis, cholangitis, cholelithiasis, choledocholithiasis
105. Cirrhosis of the liver
106. Gastrointestinal bleeding

VII) Diseases of the genitourinary system:

107. Amyloidosis of the kidneys
108. Balanitis, balanoposthitis
109. Congenital malformations of the urinary system
110. Glomerulonephritis
111. Dysmetabolic nephropathy
112. Nephrotic syndrome
113. Neoplasms of the kidney, urinary tract and prostate gland
114. Pyelonephritis
115. Prostatitis
116. Urolithiasis
117. Tubulointerstitial nephritis
118. Urethritis
119. Chronic kidney disease
120. Cystitis

VIII) Diseases of the skin and subcutaneous tissue:

121. Allergodermatoses (dermatitis, toxydermy, eczema)
122. Bacterial diseases of the skin and subcutaneous tissue, pyoderma
123. Purulent-inflammatory diseases of the fingers and hand
124. Purulent-inflammatory diseases in

- children and newborns
- 125. Mycoses
- 126. Burns and frostbites
- 127. Parasitic skin diseases
(scabies, waxiness)
- 128. Psoriasis
- 129. Blister dermatoses
- 130. Specific surgical
infection (anaerobic
clostridial and
necrostridial)

**IX) Musculoskeletal and
connective tissue diseases:**

- 131. Ankylosing spondylitis
- 132. Congenital and acquired
malformations of the
musculoskeletal system
- 133. Acute rheumatic fever
- 134. Dermatomyositis and
polymyositis
- 135. Neoplasms of the
musculoskeletal system
- 136. Osteoarthritis
- 137. Osteomyelitis
- 138. Gout
- 139. Polytrauma
- 140. Reactive arthritis
- 141. Rheumatoid arthritis
- 142. Systemic scleroderma
- 143. Systemic lupus erythematosus
- 144. Systemic vasculitis
(nodular polyarteritis,
hemorrhagic vasculitis,
hypersensitive vasculitis)
- 145. Typical fractures of the bones of
the shoulder, forearm, hand, hips,
shins, feet
- 146. Pelvic injury
- 147. Spinal injury
- 148. Damage to large joints
(hip, knee, ankle, elbow)
- 149. Chronic rheumatic disease
- 150. Juvenile rheumatoid arthritis

**X) Diseases of the endocrine
system, eating disorders and
metabolic disorders:**

- 151. Acromegaly and pituitary gigantism
- 152. Hypothyroidism
- 153. Hypotrophy, protein-energy
deficiency
- 154. Hypopituitarism
- 155. Thyrotoxicosis
- 156. Endemic goiter
- 157. Diabetes insipidus
- 158. Nodular goiter, thyroid tumors
- 159. Obesity
- 160. Congenital dysfunction of
the adrenal cortex
- 161. Disorders of calcium-phosphorus
metabolism and vitamin D
metabolism
- 162. Genetic syndromes with endocrine
complications: Turner syndrome, Russell-
Silver syndrome, Prader-Willi Syndrome,
Laron syndrome, etc.)
- 163. Thyroiditis
- 164. Cushing's disease and syndrome
- 165. Chronic adrenal insufficiency of
adrenal glands
- 166. Diabetes mellitus
- 167. Hypoparathyroidism
- 168. Hyperparathyroidism
- 169. Adrenal tumors
- 170. Organic (congenital)
hyperinsulinism
- 171. Neuro-endocrine tumors
- 172. Pituitary tumors
- 173. Premature sexual development
- 174. Hypogonadism
- 175. Cryptorchism
- 176. Sex differentiation disorder
- 177. Klinefelter syndrome
- 178. Anism in a child born with SGA

XI) Infectious and parasitic diseases:

- 179. Bacterial food poisoning
- 180. Erysipelas
- 181. Botulism
- 182. Viral hepatitis
- 183. Chickenpox
- 184. Congenital infections of the newborn
- 185. Helminthiasis
- 186. Herpesvirus diseases
- 187. Influenza and other acute
respiratory viral infections

188. Diphtheria
 189. Infectious mononucleosis
 190. Candidiasis
 191. Whooping cough
 192. Intestinal bacterial infections
 193. Intestinal viral infections
 194. Measles
 195. Tick-borne viral encephalitis
 196. Rubella
 197. Leptospirosis
 198. Malaria
 199. Meningococcal infection
 200. Especially dangerous viral infections
 201. Mumps infection
 202. Polio
 203. Tetanus
 204. Protozoal infections
 205. Rickettsiosis
 206. Anthrax
 207. Hydrophobia
 208. Scarlet fever
 209. Tuberculosis of different localization
 210. Lyme disease
 211. Disease caused by human immunodeficiency virus (HIV)
 212. Chlamydia infections
 213. Cholera
 214. Plague
 - **sexually transmitted infectious diseases:**
 215. Gonococcal infection
 216. Syphilis
XII) Diseases of the female reproductive system
Pathology of pregnancy:
 217. Multiple pregnancy
 218. Vomiting in pregnancy
 219. Pregnancy in extragenital pathology
 220. Fetal distress during pregnancy
 221. Fetal growth retardation
 222. Immune conflict during pregnancy
 223. hydatid mole
 224. Placenta previa
 225. Premature placental abruption
 226. Premature birth and premature pregnancy
 227. Ectopic pregnancy
 228. Preeclampsia and eclampsia
 229. Spontaneous abortion
pathology of childbirth and postpartum period:
 230. Anomalies of labor activity
 231. Pelvic abnormalities, including clinically narrow pelvis
 232. Fetal distress during childbirth
 233. bleeding in childbirth and postpartum
 234. Abnormal fetal presentation and position
 235. Postpartum septic diseases
 236. Injuries to the uterus and birth canal
Gynecological diseases:
 237. Abnormal uterine bleeding
 238. Ovarian apoplexy
 239. Infertility
 240. Congenital malformations of female genital organs
 241. Benign dysplasia of the mammary glands
 242. Benign and precancerous neoplasms of the female genital organs
 243. Endometriosis
 244. Inflammatory diseases of the female genital organs
 245. Malignant neoplasms of the female genital organs
 246. Mastitis
 247. Neoplasms of the mammary gland

List3 (emergency conditions)

1. asphyxia (including neonatal);
2. hypertensive crisis;

3. hypoglycemia (coma);
4. acute respiratory failure;
5. acute urinary retention;
6. acute adrenal insufficiency;
7. acute kidney damage;
8. acute hepatic insufficiency;
9. acute heart failure;
10. acute poisoning, including combat toxic substances;
11. acute psychosis;
12. acute coronary syndrome;
13. acute radiation and chemical lesions, including in the battlefield and in emergencies;
14. acute cerebral insufficiency;
15. diabetic coma, including ketoacidosis, hyperosmolar, lactic acidemia;
16. electrotrauma;
17. epileptic status;
18. acute bleeding;
19. acute blood loss syndrome, including in the battlefield and emergencies;
20. sudden cardiac arrest;
21. collapse;
22. impaired consciousness and comatose conditions;
23. renal colic;
24. bile colic;
25. acute anaphylactic reactions;
26. acute heart rhythm disorders;
27. cold injury, including in the battlefield;
28. heat injury, including in the battlefield;
29. venous and arterial thromboembolism;
30. convulsive syndrome;
31. drowning;
32. strangulation asphyxia;
33. normal birth;
34. shocks;
35. bites of snakes, insects, animals;
36. penetrating injuries, including during combat operations;
37. burns, including in the battlefield;
38. foreign bodies of the respiratory tract, gastrointestinal tract, ENT organs and eye;

List4 (laboratory and instrumental studies)

1. pleural fluid analysis;
2. ascitic fluid analysis;
3. synovial fluid analysis;
4. urine analysis according to Tsymnytskyi
5. urine analysis according to Nechyporenko;
6. alpha-amylase activity in blood and urine, fecal elastase 1;
7. blood proteins and their fractions, C-reactive protein;
8. blood glucose, glycosylated hemoglobin;
9. peroral glucose tolerance test;
10. lipoproteins of blood and their fractions;
11. hormones of blood;
12. ferritin, iron and serum copper;
13. creatinine, blood and urine urea, glomerular filtration rate;
14. electrolytes of blood;
15. blood aminotransferases;
16. total bilirubin of blood and its fractions;
17. coagulogram;
18. uric acid of blood;
19. alkaline blood phosphatase;
20. histomorphological examination of the bioptate of lymph nodes;
21. histomorphological examination of the bioptate of parenchymal organs;
22. histomorphological examination of the bioptate of mucous membranes;
23. histomorphological examination of muscle and skin bioptate;
24. histomorphological examination of the placenta;
25. study of the internal environment of premises (indicators of microclimate, natural and artificial lighting, bacteriological and chemical air pollution);
26. investigation of the function of external respiration;
27. standard ECG (in 12 leads);
28. endoscopic examination of the bronchi;
29. endoscopic examination of the digestive tract;
30. ehocardiography and dopplerography;
31. general analysis of feces;
32. complete blood count;
33. urinalysis;
34. sugar and acetone in urine;
35. general analysis of cerebrospinal fluid;
36. general analysis of sternal puncture;
37. general analysis of phlegm;
38. general immunological profile of blood;
39. serological reactions in infectious diseases;
40. rapid tests for viral diseases;
41. amplification methods in infectious diseases (PCR, LLR);
42. serological reactions in autoimmune diseases;
43. chemical and bacteriological studies of the human external environment (atmospheric air, reservoirs, soil);
44. microbiological examination of biological fluids and secretions;
45. measurement of radiation (sound, vibration, ionizing), individual radiometry;
46. methods of instrumental visualization of the thyroid gland;
47. X-ray contrast angiography;
48. methods of instrumental imaging of abdominal organs;
49. methods of instrumental imaging of the chest cavity;
50. methods of instrumental imaging of the genitourinary system;
51. methods of instrumental imaging of the fetus;
52. methods of instrumental imaging of the skull, spine, spinal cord, bones and joints;
53. methods of instrumental imaging of the breast;
54. tuberculinoagnostics;
55. multi-moment fractional study of bile and pH-metrics of the stomach and esophagus;
56. chemical, organoleptic, bacteriological examination of food

and drinking water;

57. cytological examination from the cervix

58. measurement of ergonomic indicators of severity and tension of labor.

List 5 (medical manipulation)

1. perform indirect heart massage;
2. perform artificial respiration;
3. defibrillation with a manual automatic defibrillator cardioverter;
4. register standard ECG12 leads;
5. temporarily arrest of external bleeding;
6. carry out primary surgical treatment of wounds, dressings, removal of skin sutures, including in the battlefield;
7. apply hemostatic tourniquets and use hemostatic agents, including in the battlefield;
8. install nasogastric and orogastric probe;
9. carry out transport immobilization;
10. carry out the introduction of medicinal substances (intravenous jet and drip, intra-bone), including in the battlefield;
11. provide peripheral venous access;
12. measure blood pressure;
13. restore airways;
14. catheterize the bladder with a soft probe;
15. conduct an anterior nose tamponade; conduct a clinical examination of the organ of vision and ENT organs;
16. perform the technique of contact of the newborn "skin to skin" and early breast feeding;
17. to conduct finger examination of the rectum and with the help of rectal mirror
18. to conduct a finger examination of the prostate;
19. to undergo a clinical examination of the mammary glands;
20. perform pleural puncture;
21. perform abdominal puncture through the posterior vault;
22. identify blood groups, Rh- belonging;
23. transfusion of blood components and blood substitutes;
24. perform bimanual examination and bivalve speculum examination of a woman
25. to carry out pelvimetry;
26. carry out external (Leopold's maneuver) and internal obstetric examination;
27. to make auscultation of the fetus;
28. carry out sampling of smears for bacterioscopic, bacteriological, cytological examination;
29. palpation of the thyroid gland;
30. conduct examination and evaluation of the external genital organs of boys;
31. assess the state of sexual development of children.