


EDUCATIONAL PROFESSIONAL PROGRAM

"MEDICINE"

The second (master's) level
in the specialty 222 Medicine
areas of knowledge 22 Health
Qualification: Master of Medicine. Doctor


APPROVED
SCIENTIFIC COUNCIL

Head of the Academic Council



prof. L.P. Klymenko
(signature)
(Protocol No. 51 from "30" серпня 2021)

The educational program is put into effect from "01" вересня 2021.



Rector
prof. L.P. Klymenko
(signature)
(order No. 2 from "30" серпня 2021)

Mykolaiv – 2021

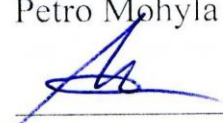
LETTER OF AGREEMENT

educational and professional program "Medicine"

Level of higher education Master
Specialty 222 Medicine
Area of Knowledge 22 Health
Qualification: Master of Medicine. Doctor

"AGREED"

The first vice-rector
Petro Mohyla BSNU



N.M. Ishchenko
« ____ » _____ 2021

Director of the Medical Institute
Petro Mohyla BSNU



G.V. Grishchenko
« ____ » _____ 2021

Project team leader
(guarantor of the educational
program)

Doctor of Medical Sciences,
Professor



M.O. Klymenko
« ____ » _____ 2021

PREFACE

The educational-professional program "Medicine" for training specialists at the second (master's) level of higher education is developed by:

- working group of the Petro Mohyla Black Sea National University consisting of:

1. Klymenko Mykola Oleksiiiovych - Doctor of Medical Sciences, Professor, Vice-Rector for Scientific and Pedagogical Work and Development Issues;
2. Grishchenko Gennady Vasilyevich - Candidate of Medical Sciences, Associate Professor, Director of the Medical Institute;
3. Chernov Valeriy Stepanovych - doctor of medical sciences, professor, head of the department;
4. Korolyova Olga Viktorivna - Candidate of Biological Sciences, Associate Professor, Head of the Department;
5. Ogloblina Myroslava Volodymyrivna - Candidate of Pharmaceutical Sciences, Associate Professor, Head of the Department;
6. Zyuzin Victor Alekseevich - doctor of medical sciences, professor, head of the department;
7. Zak Maksym Yuriyovych - doctor of medical sciences, professor, head of the department;

– with the participation of representatives of external stakeholders:

Demyanov Oleksandr Yevhenovych - Chief Physician of the Mykolayiv Ambulance Hospital;

Plitkin Alexander Yurievich - the chief doctor of the Nikolaev regional children's clinical hospital.

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1. Profile of the educational and professional program "Medicine"(speciality – 222 Medicine)

1 – General information	
Full name of higher education institution and structural unit	Petro Mohyla Black Sea National University, medical institute
Degree of higher education and name of qualification in original language	Degree – Master's degree. Educational qualification – Master of Medicine. Professional qualification – Doctor. Qualification in diploma – Master of Medicine. Doctor.
The official name of the educational program	Educational and professional program "Medicine" of the second (master) level of higher education
Diploma type and volume of educational program	Master's degree, single, 360 ECTS credits, term of study: 6 years. Volume of master's degree program: - on the basis of complete general secondary education – 360 ECTS credits; - on the basis of the diploma of junior specialist, junior bachelor - 300 credits ECTS. At least 75% of the educational program should be directed to the formation of general and special (professional) competencies in the specialty.
Availability of accreditation	Accredited conditionally
Cycle/Level	HPK України – 7 level, FQ-EHEA – the second cycle, EQF-LLL – 7 level
Prerequisites	The availability of a certificate of complete general secondary education (on the basis of certificates of external independent evaluation according to the Admission Rules) or a diploma of a junior specialist, a junior bachelor, or an academic certificate of obtaining a master's degree in the field of knowledge 22 "Health Care" for at least one year. The conditions of admission are determined by the Rules of admission to Petro Mohyla Black Sea National University
Language(s) of education	Ukrainian, English
The term of the educational program	6 years
Internet address for permanent placement of the description of the educational program	https://chmnu.edu.ua/proyekti-osvitnih-program/
2- The objective of the educational program	
Formation of a nationally conscious, honest, creative, professional personality who will work for the development of the local community and the state and is able to integrate knowledge and solve complex specialized tasks and problems in professional activities in the field of health care or in the process of training, which involves research and / or implementation of innovative activities, in broad or multidisciplinary contexts, new or unfamiliar environments in the presence of incomplete or limited information taking into account aspects of social and ethical responsibility	

3 – Characteristics of the educational program

<p>Subject area (field of knowledge, specialty, specialization)</p>	<p>Specialty: 222 Medicine, field of knowledge: 22 Healthcare, multidisciplinary. Disciplines of general training - 20.56%, disciplines of vocational training - 79.44%, including disciplines at the choice of a student - 25.0%, production practice - 5.0%.</p> <p><i>The objects of study are</i> public health, prevention, diagnosis and treatment of human diseases.</p> <p><i>The objectives of education:</i> formation of a nationally conscious, honest, creative, professional personality who will work for the development of the local community and the state and is able to integrate knowledge and solve complex specialized tasks and problems in professional activities in the field of health care or in the process of training, which involves research and / or implementation of innovative activities, in broad or multidisciplinary contexts, new or unfamiliar environments in the presence of incomplete or limited information taking into account aspects of social and ethical responsibility.</p> <p><i>The theoretical content of the subject area</i> consists of normative and selective disciplines of general and vocational training cycles.</p> <p><i>Methods, approaches, technologies and tools:</i> professional knowledge and skills in the implementation of the diagnostic process, determination of leading symptoms and syndromes, establishment of a preliminary diagnosis, differential diagnosis, knowledge of the principles of treatment and prevention, the use of management technologies and the organization of work in the field of health care.</p> <p><i>Tools and equipment (objects / subjects and devices):</i> the applicant of higher education with a master's degree in medicine should be able to use modern diagnostic, medical and other devices, objects and devices for professional activities.</p>
<p>Orientation of the educational program</p>	<p>The program is professionally applied, focused on mastering fundamental and applied knowledge, social skills, practical skills and professional competencies in the field of public health, prevention, diagnosis and treatment of human diseases including the possibility of scientific research.</p>
<p>The main focus of the educational program and specialization</p>	<p>The general program in the field of medicine, aimed at the possibility of creating an individual educational trajectory "Lifelong Education", training of high-level specialists with relevant knowledge and practical skills, know how to carry out the diagnostic process, determine the leading symptoms and syndromes, establish a preliminary diagnosis, conduct differential diagnosis, form a final clinical diagnosis of diseases under the supervision of a doctor, know the principles of treatment and profiles. acts of diseases, treat major diseases by making an informed decision according to existing algorithms, disease prevention, as well as scientific research, and have appropriate communication and interpersonal skills. Complete higher medical education</p>

Features of the program	The program provides theoretical, practical and research training; only full-time education; with the subsequent internship to obtain a certificate of specialist doctor in order to work in the speciality. The program provides a high level of knowledge and skills, the ability to solve complex problems and problems in the field of health care in the specialty "Medicine" in professional activities or in the process of training, which involves research and / or implementation of innovations. The program is taught in Ukrainian and English.
4 – Alumni's suitability for employment and further education	
Employment suitability	<p>After training at internship, medical residency, clinical residency, a professional is assigned the qualification "doctor of a certain specialty", he is able to perform the professional work specified in SC 003-2010 and can occupy an initial position corresponding to the current list of medical specialties.</p> <p>Section 2 Professionals Section 22 Professionals in life sciences and medical sciences Class 222 Medical professionals (excluding nurses) Subclass 2221 Medical professionals (except dentists) Group 2221.2 Doctors Subclass 2225 Professionals in the field of health prevention 2229.2 Medical professionals (excluding nursing and midwifery) Professional job title 2221.2 Doctor 2221.2 Doctor of Internal Medicine 2221.2 Radiation Therapy Doctor 2221.2 Ultrasound diagnostician 2221.2 General Practitioner - Family Doctor 2221.2 Admission room doctor (department) 2221.2 Emergency room 2221.2 Obstetrician-gynecologist 2221.2 Allergist 2221.2 Anesthesiologist 2225.2 Virologist 2221.2 Gastroenterologist 2221.2 Hematologist 2221.2 Geneticist 2221.2 Gynecologist-oncologist 2221.2 Dermatovenerologist 2221.2 Disinfectant 2221.2 Endocrinologist 2221.2 Epidemiologist 2221.2 Immunologist 2221.2 Infectious disease specialist 2221.2 Cardiologist 2229.2 Laboratory assistant 2229.2 Doctor - laboratory geneticist 2221.2 Physician - laboratory hygienist for the study of chemical environmental factors</p>

	<p>2221.2 Methodist 2221.2 Narcologist 2221.2 Neurologist 2221.2 Neurophysiologist 2221.2 Neurosurgeon 2221.2 Neurologist 2221.2 Pediatric neurologist 2221.2 Neonatologist 2221.2 Oncologist 2221.2 Orthopedic traumatologist 2221.2 Otolaryngologist 2221.2 Ophthalmologist 2212.2 Pathoanatomist 2221.2 Pediatrician 2221.2 Pediatrician 2225.2 Profpatologist 2221.2 Psychiatrist 2221.2 Pulmonologist 2221.2 Radiologist 2221.2 Radionuclide Diagnostics Doctor 2221.2 Child and adolescent hygiene physician 2221.2 Occupational health physician 2221.2 Food hygiene doctor 2221.2 General Hygiene Physician 2221.2 Public hygiene doctor 2221.2 Radiation hygiene doctor 2221.2 Rheumatologist 2229.2 Forensic medical expert 2229.2 Statist 2221.2 General practitioner 2221.2 District general practitioner 2221.2 General practitioner of the medical site 2221.2 Toxicologist 2221.2 Urologist 2221.2 Phthisios doctor 2221.2 Surgeon</p>
<p>Further education</p>	<p>The specialist is prepared for work by DC 009- 2010: Section O. Health care and social assistance Section 86.1. Activities of hospitals Group 86.10 Activities of hospitals Class 86.21 General medical practice Class 86.90 Other health care activities After graduating from the educational program of the master's degree in "Medicine", the graduate has the right to: 1. Perform professional work: intern (code CP – 3229); trainee doctor (code KII – 3221); resident doctor (code KII – XXX). 2. To enter postgraduate education programs (internship, residency) according to the educational programs of training a</p>

	<p>doctor of a certain specialty (the list was approved by the order of the Ministry of Health of Ukraine dated 23.02.2005 № 81),</p> <p>3. Enter the educational and scientific program for obtaining a Doctor of Philosophy degree after internship.</p> <p>In the future, specialists can undergo retraining and acquire another medical specialty and perform appropriate professional work.</p>
5 – Teaching and evaluation	
Teaching and studying	<p>Competent, student-centered, problem-oriented approaches and initiative self-study. The educational process is carried out in the following forms: interactive scientific and educational lectures, practical classes in small groups, independent work, consultations with teachers, writing medical histories, educational and industrial practices.</p>
Evaluation	<p>Assessment of the quality of mastering the educational-professional program is carried out according to the credit-transfer system of the organization of the educational process (ECTS) and includes current and final control of knowledge. Current assessment is conducted in seminars and practical classes in the form of oral and written interviews, test control, tests, etc. Final control: semester control (final test, test, differentiated test, Exam) and certification [unified state qualifying examination (USQE) and final objective structured clinical examination (FOSCE)].</p>
6 – Competencies of the program	
Integral competence	<p>IC1 – The ability to integrate knowledge and solve complex specialized tasks and problems in professional activities in the field of health care or in the learning process, which involves research and /or innovation activities, in broad or multidisciplinary contexts, new or unfamiliar environments in the presence of incomplete or limited information taking into account aspects of social and ethical responsibility.</p>
General competencies	<p>GC1. Ability to abstract thinking, analysis and synthesis, ability to learn and master modern knowledge.</p> <p>GC2. Ability to apply knowledge in practical situations.</p> <p>GC3. Knowledge and understanding of the subject area and understanding of professional activity.</p> <p>GC4. Ability to adapt and act in a new situation.</p> <p>GC5. Ability to make informed decisions; work in a team; interpersonal interaction skills.</p> <p>GC6. The ability to communicate in the state language both orally and in writing; ability to communicate in a foreign language.</p> <p>GC7. Skills of using information and communication technologies.</p> <p>GC8. Certainty and perseverance regarding the tasks and responsibilities taken.</p> <p>GC9. Ability to act socially responsibly and consciously.</p> <p>GC10. Striving for the preservation of the environment.</p>

Professional competencies	<p>PC1. Patient survey skills.</p> <p>PC2. Ability to determine the required list of laboratory and instrumental studies and assess their results.</p> <p>PC3. Ability to establish a preliminary and clinical diagnosis of the disease.</p> <p>PC4. Ability to determine the necessary mode of work and rest in the treatment of diseases.</p> <p>PC5. Ability to determine the nature of nutrition in the treatment of diseases.</p> <p>PC6. Ability to determine the principles and nature of treatment of diseases.</p> <p>PC7. Ability to diagnose emergency conditions.</p> <p>PC8. Ability to determine the tactics of emergency medical care.</p> <p>PC9. Skills of emergency medical care.</p> <p>PC10. Ability to carry out medical and evacuation measures.</p> <p>PC11. Skills of performing medical manipulations.</p> <p>PC12. Ability to determine the tactics of physiological pregnancy, physiological childbirth and the postpartum period.</p> <p>PC13. Family planning consulting skills.</p> <p>PC14. Ability to carry out sanitary and hygienic and preventive measures.</p> <p>PC15. Ability to plan and carry out preventive and anti-epidemic measures for infectious diseases.</p> <p>PC16. Ability to determine the tactics of conducting persons subject to dispensary supervision.</p> <p>PC17. Ability to conduct an examination of performance.</p> <p>PC18. Ability to maintain medical records.</p> <p>PC19. Ability to conduct epidemiological and medical and statistical studies of public health; processing of state, social, economic and medical information.</p> <p>PC20. Ability to assess the impact of the environment, socio-economic and biological determinants on the health of the individual, family, population.</p> <p>PC21. Ability to analyze the activities of a doctor, unit, health care institution, carry out measures to ensure the quality of medical care and increase the efficiency of the use of medical resources.</p> <p>PC22. Ability to conduct activities to organize and integrate the provision of medical care to the population and marketing of medical services</p>
7 – Program educational outcomes	
PEO1	Know how to analyze, synthesize and further modern learning. Be able to analyze information, make informed decisions, be able to acquire modern knowledge. Establish appropriate links to achieve goals. Be responsible for the timely acquisition of modern knowledge.
PEO2	Have specialized conceptual knowledge acquired in the learning process. Be able to solve complex problems and problems that arise in professional activities. It is clear and unambiguous to convey their own conclusions, knowledge and explanations that justify them to specialists and non-specialists. Responsible for decision-making in difficult conditions

PEO3	Have in-depth knowledge of the structure of professional activity. Be able to carry out professional activities that require updating and integration of knowledge. Ability to effectively formulate a communication strategy in professional activities. Be responsible for professional development, ability to further vocational training with a high level of autonomy
PEO4	Know the types and methods of adaptation, the principles of action in a new situation. Be able to apply self-regulation tools, be able to adapt to new situations (circumstances) of life and activity. Establish the appropriate connectionsGC to achieve the result. Be responsible for the timely use of self-regulation methods.
PEO5	Know communication tactics and strategies, laws and ways of communicative behavior. Be able to make informed decisions, choose ways and strategies of communication to ensure effective teamwork. Be able to make informed decisions, choose ways and strategies of communication to ensure effective teamwork. Be responsible for the choice and tactics of the way of communication.
PEO6	Have perfect knowledge of the state language and basic knowledge of a foreign language. Be able to apply knowledge of the state language, both orally and in writing, to be able to communicate in a foreign language. Use the state language in professional and business communication and in the preparation of documents. Use a foreign language in professional activities. Be responsible for fluency in the state language, for the development of professional knowledge.
PEO7	Have in-depth knowledge in the field of information and communication technologies used in professional activities. Be able to use information and communication technologies in a professional field that requires updating and integration of knowledge. Use information and communication technologies in professional activities. Be responsible for the development of professional knowledge and skills.
PEO8	To know the responsibilities and ways of performing tasks. Be able to determine the purpose and objectives of being persistent and conscientious in the performance of duties. Establish interpersonal relationships for effective performance of tasks and responsibilities. Be responsible for the qualitative implementation of the tasks.
PEO9	Know your social and civil rights and responsibilities. Form your civic consciousness, to be able to act according to it. Ability to convey your public and social position. Be responsible for your civic position and activities
PEO10	Know the problems of preserving the environment and ways to preserve it. Be able to form requirements for yourself and others to preserve the environment. Make proposals to the relevant authorities and institutions on measures to preserve and protect the environment. Be responsible for the implementation of environmental conservation measures within its competence
PEO11	Collect data on the patient's complaints, medical history, history of life (including professional history), under the conditions of the health care institution, its subdivision or at the patient's home, using the results of an interview with the patient, according to the standard scheme of the patient's survey. Under any circumstances (in the health care institution, its subdivision, at the patient's home, etc.), using knowledge about a person, his organs and systems, according to certain algorithms: collect information about the general condition of the patient (consciousness, constitution) and appearance (examination of the skin, subcutaneous fat layer, palpation of the lymph nodes, thyroid and mammary glands);

	<p>evaluate the psychomotor and physical development of the child;</p> <p>examine the state of the cardiovascular system (examination and palpation areas of the heart and superficial vessels, determination of percutoric boundaries heart and blood vessels, auscultation of the heart and blood vessels);</p> <p>examine the respiratory system condition (examination of the chest and upper respiratory tract, chest palpation, percussion and auscultation lungs);</p> <p>examine the condition of the abdominal cavity (examination of the abdomen, palpation and percussion of the gut, stomach, liver, spleen, palpation pancreas, kidneys, pelvic organs, finger rectum examination);</p> <p>examine the condition of the musculoskeletal system (examination and palpation);</p> <p>examine the state of the nervous system;</p> <p>examine the state of the genitourinary system;</p> <p>assess the state of fetal development according to the data calculation of the mass of the fetus and the auscultation of its heartbeat.</p>
PEO12	<p>Evaluate information about the diagnosis in the conditions of the health care institution, its subdivision, applying the standard procedure, using knowledge about a person, his organs and systems, based on the results of laboratory and instrumental studies (according to list 4).</p>
PEO13	<p>In the conditions of the health care institution, its subdivision and among the attached population:</p> <ul style="list-style-type: none"> • Be able to identify and record a leading clinical symptom or syndrome (according to list 1) by making an informed decision, using preliminary data of the patient's history, data from the physical examination of the patient, knowledge about a person, his organs and systems, ethical and legal standards. • Be able to establish the most likely or syndrome diagnosis disease (according to list 2) by adopting a reasonable solution by affiliation with the standards using preliminary data of the patient's history and examination data patient, based on a leading clinical symptom or syndrome, using knowledge about a person, his organs and systems, ethical and legal standards.
PEO14	<p>In the conditions of the health care institution, its subdivision:</p> <ul style="list-style-type: none"> • Prescribe laboratory and/or instrumental examination of the patient (according to list 4) by making an informed decision, on the basis of most likely or syndrome diagnosis, according to standard schemes, using knowledge about a person, his organs and systems, ethical and legal standards. • Carry out differential diagnosis of diseases (according to list 2) by making an informed decision, according to a certain algorithm, the most likely or syndrome diagnosis, the data laboratory and instrumental examination of the patient, knowledge of human beings, their bodies and systems, following the relevant ethical and legal regulations. • Establish a preliminary clinical diagnosis (according to list 2) by making an informed decision and logical analysis, using the most probable or syndromic diagnosis, data laboratory and instrumental examination of the patient, conclusions of differential diagnosis, knowledge about the person, his organs and

	system, adhering to the relevant ethical and legal norms.
PEO15	Determine the necessary mode of work and rest in the treatment of the disease (according to list 2), in the conditions of the health care institution, at the patient's home and at the stages of medical evacuation, including h. in the field, on the basis of a preliminary clinical diagnosis, using knowledge about a person, his organs and systems, observing the relevant ethical and legal norms, by making an informed decision according to existing algorithms and standard schemes.
PEO16	Determine the necessary medical nutrition in the treatment of the disease (according to list 2), in the conditions of the health care institution, at the patient's home and at the stages of medical evacuation, including the field on the basis of a preliminary clinical diagnosis, using knowledge about a person, his organs and systems, observing the relevant ethical and legal standards, by making an informed decision according to existing algorithms and condition dart schemes.
PEO17	Determine the nature of treatment (conservative, operative) disease (according to list 2), in a health care institution, at the patient's home and at the stages of medical evacuation, including the field on the basis of a preliminary clinical diagnosis, using knowledge about a person, his organs and systems, observing the relevant ethical and legal standards, by making an informed decision according to existing algorithms and condition dart schemes. Determine the principles of treatment of the disease (according to list 2), in the conditions of a health care institution, at the patient's home and at the stages of medical evacuation, including field conditions, on the basis of a preliminary clinical diagnosis, using knowledge about a person, his organs and systems, observing the relevant ethical and legal standards, by making an informed decision according to existing algorithms and standard schemes.
PEO18	Establish a diagnosis (according to list 3) by making an informed decision and assessing the condition of a person, under any circumstances (at home, on the street, health care institution, his department), including an emergency situation, in the field, in conditions of lack of information and limited time, using standard methods of physical examination and possible history, knowledge about a person, his organs and systems, ethical and legal standards.
PEO19	Determine the tactics of emergency medical care, under any circumstances, using knowledge about a person, his organs and systems, observing the relevant ethical and legal norms, by making an informed decision, on the basis of a diagnosis of an emergency (according list 3) in a limited time using standard schemes.
PEO20	To provide emergency medical care, under any circumstances, using knowledge about a person, his organs and systems, observing the relevant ethical and legal norms, by making an informed decision, on the basis of a diagnosis of an emergency (according to list 3) in a limited time in accordance with certain tactics, using standard schemes.
PEO21	Organize medical and evacuation activities among the population and servicemen, in an emergency situation, including the field, during the expanded stages of medical evacuation, taking into account the existing system of medical and evacuation support.
PEO22	Perform medical manipulations (according to list 5) in a medical institution, at home or in production on the basis of a preliminary clinical diagnosis and / or indicators of the patient's condition, using knowledge about a person, his organs and systems, observing the relevant ethical and legal standards, by making an informed decision and using standard methods.
PEO23	In a medical institution on the basis of anamnestic data, general inspection, bimanual, external and internal obstetric examination of a pregnant woman and a woman, using knowledge about a person, his organs and systems, observing the

	<p>relevant ethical and legal norms, by making an informed decision, using the standard procedure:</p> <ul style="list-style-type: none"> • to assess the general condition of the pregnant woman, child and pregnant woman; • determine the duration of pregnancy; • determine the estimated duration of childbirth and fetal weight; • to determine and evaluate the size of the female thaz; • determine and evaluate the topography of the fetus in the uterus • to determine pregnancy tactics; • determine and assess the condition of the fetus during pregnancy; • to determine the tactics of childbirth; • assess the general condition of the newborn; • assess the condition of the litter; • determine the state of involution of the uterus; • to prescribe rational feeding to pregnant women, children of the first year life and delay in development, premature children; • assess the condition of blueberry and lactation.
PEO24	<p>In a medical institution on the basis of anamnestic data, general examination and gynecological examination of a woman, using knowledge about a woman's reproductive organs, observing the relevant ethical and legal norms, by making an informed decision, using a standard procedure:</p> <ul style="list-style-type: none"> • assess the patient and medical eligibility criteria contraception method; • determine the patient's examination plan before choosing a method contraception; • to consult on family planning issues; • select a modern contraceptive method for different categories populace.
PEO25	<p>Form, in the conditions of a health care institution, its division in production, using a generalized procedure for assessing a person's health, knowledge about a person, his organs and systems, observing the relevant ethical and legal norms, by making an informed decision, among the established contingent of the population: dispensary groups of patients; groups of healthy people subject to medical supervision (newborns, children, adolescents, pregnant women, representatives of professions that must undergo a mandatory medical examination).</p>
PEO26	<p>To carry out a system of anti-epidemic and preventive measures, in the conditions of a health care institution, its subdivision on the basis of data on the health of certain populations and the presence of environmental impact on it, using existing methods, within the framework of primary health care for the population regarding:</p> <ul style="list-style-type: none"> • organization of rational nutrition, water supply; • mode of activity and rest; • formation of a favorable production environment; • primary prevention of diseases and injuries; • vaccineprophylaxis; • prevention of bad habits; • prevention of unwanted pregnancy; • promoting a healthy lifestyle.
PEO27	<p>To carry out a system of primary prevention measures, based on data on the state of health of the serviced population and the presence of an impact on it determinant of health, in the conditions of a health care institution and beyond</p>

	<p>using existing methods, within the framework of primary health care to the population:</p> <ul style="list-style-type: none"> • sanitary and educational measures to prevent the occurrence of infectious and non-communicable diseases, injuries and promote a healthy lifestyle; • organization of rational nutrition, safe social and domestic conditions, water supply; <p>mode of activity and rest.</p>
PEO28	<p>To organize secondary and tertiary prevention measures among the consolidated contingent of the population, using a generalized procedure for assessing a person's health (screening, preventive medical examination, seeking medical help), human body knowledge, his organs and systems, observing the relevant ethical and legal norms, by making an informed decision, in the conditions of a health care institution, in particular:</p> <p>to form groups of dispensary supervision;</p> <p>organize medical and recreational activities differentiated from the group of dispensary.</p>
PEO29	<p>To plan measures to prevent the spread of infectious diseases (according to list 2) in the conditions of a health care institution, its subdivision on the basis of the results of epidemiological examination of infectious diseases cells, epidemiological analysis using existing preventive and anti-epidemic methods.</p>
PEO30	<p>Проводити в умовах закладу охорони здоров'я, його підрозділу:</p> <ul style="list-style-type: none"> • виявлення і ранню діагностику інфекційних захворювань (за списком2); * первинні протиепідемічні заходи в осередку інфекційної хвороби.
PEO31	<p>Detect in the conditions of the health care institution, its subdivision using statistical and laboratory methods of risk group, risk territory, risk time, risk factors and carry out epidemiological analysis of infectious incidence of the population.</p>
PEO32	<p>In a health care institution or at the patient's home, based on the obtained data on the patient's health, using standard schemes, using knowledge about a person, his organs and systems, observing the relevant ethical and legal standards, by making an informed decision:</p> <ul style="list-style-type: none"> • determine the tactics of examination and secondary prevention of patients subject to dispensary supervision; • determine the tactics of examination and primary prevention of healthy persons subject to dispensary supervision; • calculate and prescribe the necessary food to children the first year of life.
PEO33	<p>To determine the presence and degree of restrictions on life, type, degree and duration of disability with the execution of relevant documents, in the conditions of a health care institution on the basis of data on diseases and its course, features of human professional activity</p>
PEO34	<p>Under the conditions of the health care institution, its subdivision:</p> <ul style="list-style-type: none"> • prepare an annual report on personal production activities, official accounting documents, according to the generalized form; • keep medical records on the patient and the population (outpatient/inpatient patient card, medical history, individual card of pregnancy, exchange card, childbirth history, sanatorium-and-spa card, disability sheet, documentation for MSE (Medical and Social Expertise), etc.) using standard technology, based

	on normative documents.
PEO35	<p>On the territory of service according to standard methods of descriptive, analytical epidemiological and medical-statistical studies:</p> <ul style="list-style-type: none"> • screen to identify the most important non-communicable diseases; • assess in dynamics and when compared with medium static morbidity rates, including chronic noncommunicable diseases, disability, mortality, integrated health indicators; • identify risk factors for the occurrence and course of diseases; • form risk groups of the population.
PEO36	<p>Under any circumstances, using standard procedures, including modern computer information technologies, be able to:</p> <ul style="list-style-type: none"> • determine the source and/or location of the necessary information in the depending on its type; • receive the necessary information from a certain source; • analyze the information received.
PEO37	<p>In the conditions of the health care institution, its subdivision according to standard methods:</p> <ul style="list-style-type: none"> • identify negative environmental factors based on the sanitary and prophylactic institution by affist existing standards and standards; • analyze the health of a certain contingent on the basis of official data by affinity with the average indicators; • determine the existence of a link between the state of the environment and the state of health of a certain contingent on the basis of data on them; • develop preventive measures on the basis of data on the relationship between the state of the environment and the state of health of a certain contingent.
PEO38	<p>To analyze the incidence of the population, identifying risk groups, risk areas, risk time, risk factors, in the conditions of a health care institution, its subdivision, using statistical and laboratory methods.</p>
PEO39	<p>To assess the impact of socio-economic and biological determinants on the health of an individual, family, population, on the territory of service according to standard methods and on the basis of epidemiological, medical and statistical studies.</p>
PEO40	<p>In the conditions of the health institution according to standard methods on the basis of official statistics:</p> <ul style="list-style-type: none"> • investigate the scope and effectiveness of the doctor's activities, unit, healthcare institutions in dynamics and in the affinity of them with medium static and the best in the field of activity; • identify defects in activities and the reasons for their formation.
PEO41	<p>In the conditions of a health care institution or its subdivision according to standard methods:</p> <ul style="list-style-type: none"> • select and use unified clinical protocols • medical care developed on the basis of evidence-based • medicine; • participate in the development of local protocols for the provision of medical

	<ul style="list-style-type: none"> • assistance; • carry out quality control of medical care based on statistical data, expert evaluation and data of sociological research using indicators of structure, process and results of activity; • identify factors that impede the improvement of quality and safety • medical care.
PEO42	<p>In the conditions of the institution, the health care unit according to standard methods:</p> <ul style="list-style-type: none"> • estimate the cost of medical services; • justify the choice of an adequate method of financing (payment), selection of rational forms of organization of medical services; • apply methods of economic analysis when choosing methods diagnosis, prevention, treatment, rehabilitation (minimization of cost effectiveness, cost advantage).
PEO43	<p>In the conditions of a health care institution, observing the relevant ethical and legal norms, by making an informed decision to carry out measures:</p> <ul style="list-style-type: none"> • organize the work of medical personnel in the team, unit, the institution; • form rational medical routes of patients; • organize interactions with colleagues in their institution and in other healthcare institutions, subordinates and managers; • organize interactions with organizations and institutions outside the healthcare sector.
PEO44	<p>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 healthcare institution, its division, in a competitive environment.</p>
8 – Resource support of the program implementation	
Staffing	<p>All scientific and pedagogical staff involved in the implementation of the educational component of the educational program, have a confirmed level of scientific and professional activity, are mainly full-time employees.</p> <p>Teachers of both medical and university departments are involved in the implementation of the educational process in the specialty 222 "Medicine": the others teach humanitarian, social, economic, natural, and scientific educational disciplines.</p> <p>All full-time teachers are responsible for the speciality or experience of practical work to the disciplines that teach and have the results of professional activity in accordance with the Licensing conditions for the implementation of educational activities, other normative documents, in particular, meet at least 4 criteria of the License Terms. Teachers of clinical departments have the professional qualification of a doctor, certificates of the appropriate doctor-specialist (on internship in the relevant specialty), certificates of attestation and advanced training in the relevant medical specialties, medical categories and perform, in addition to pedagogical and scientific, medical work on clinical bases of departments.</p> <p>Scientific and pedagogical staff improve their pedagogical qualifications staff systematically, which is taken into account when deciding on the continuation of labor relations, by studying</p>

	<p>at the faculties of postgraduate education, as well as internships, participation in seminars, trainings and other types of exchange of best practices. The peculiarity is the need for teachers of clinical departments to also improve their qualifications in the relevant medical specialty with periodic (1 time in 5 years) certification and obtaining of the medical category.</p> <p>Also, the specialty "Medicine" involves, as compliant, doctors of health care institutions in Nikolaev, whose professional qualifications, certificates, certificates, medical categories, practical experience correspond to the disciplines they teach.</p> <p>Leading healthcare institutions of Mykolaiv are involved in the organization and implementation of the educational process on the specialty "Medicine". Contracts were signed with hospitals in Mykolaiv as with clinical bases of Petro Mohyla Black Sea National University. The chief doctors of healthcare institutions, their deputies, heads of departments, doctors with practical experience and other practitioners are involved in teaching disciplines as teachers-compatibilities of clinical departments.</p>
<p>Logistical support</p>	<p>The educational base of the Medical Institute allows you to organize and conduct classes in all disciplines at the proper scientific and methodological level.</p> <p>The university has educational and lecture classrooms, equipped with computer workplaces, multimedia equipment, technical means of study; clinical bases for conducting practices of higher education applicants, there are existing agreements for practice in medical institutions; there are specific mannequins and mules.</p> <p>Thus, there is a provision of premises for the educational process in classrooms of more than 2.4 m² per student, 4 m² in classrooms, 5 m² in specialized laboratories; computer classes with computers not older than five years, one per student.</p> <p>All audiences are equipped with interactive white boards, multimedia projectors, computers, screens for multimedia presentations, plasma screens. There are modern computer anatomical tables, mannequins for working out emergency care skills and other practical skills, an educational operating room equipped with all the necessary equipment, etc. There are clinical bases for clinical practical training according to the list of clinical disciplines studied, with modern equipment for diagnosis, treatment and prevention, specialized laboratories; and existing agreements on them.</p>
<p>Information and educational and methodological support</p>	<p>The University has a educational and scientific library with educational literature in the form of textbooks, manuals, methodological recommendations on fundamental and professional disciplines, additional literature; domestic and foreign publications, including electronically. There are electronic catalogs and an electronic library, an electronic network and Internet access. The reading room is equipped with</p>

	<p>computers and wireless internet access.</p> <p>There is a proper educational and methodological support of academic disciplines: working programs of academic disciplines, methodological developments for seminars, practical classes, laboratory workshops, guidelines for the independent work of students, individual tasks of practical orientation; methodical materials for writing medical histories, internships, tasks for knowledge monitoring (exam papers and tests); modern information sources and computer equipment.</p> <p>The necessary educational materials are set out in the internal network of the University and on the modern moodle3 computer platform with free access for students.</p> <p>The necessary publicity of information about the educational program is ensured. The components of the educational program are posted on the university website, in the public domain. The official website of the university http://chmnu.edu.ua contains information about educational programs, educational, scientific educational activities, structural units, admission rules, contacts.</p>
9 – Academic mobility	
National credit mobility	National mobility is carried out based on The Law on Higher Education and agreements between higher education institutions of Ukraine
International Credit Mobility	International mobility is carried out The Law on Higher Education and agreements between Petro Mohyla Black Sea National University and foreign universities.
Education of foreign applicants of higher education	Training of foreign students is carried out in accordance with legal requirements.

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

2.1. List of components of the educational program

N/A code	Components of the educational and professional program (academic disciplines, term works, practices, certification)	Number of credits	Knowledge monitoring form
1	2	3	4
1. MANDATORY COMPONENTS OF THE EDUCATIONAL PROGRAM			
1.1. General Training			
MC1	English	3	Differential credit
MC2	Ukrainian (professionally oriented)	3	Differential credit
MC3	History of Ukraine and Ukrainian culture	3	Differential

			credit
MC4	Philosophy	3	Differential credit
MC5	English (professionally oriented)	3	Exam
MC6	Latin and medical terminology	3	Differential credit
MC7	Medical biology	4	Exam
MC8	Medical and biological physics	3	Exam
MC9	Medical Informatics	3	Differential credit
MC10	Medical chemistry	3	Exam
MC11	Biological and bioorganic chemistry	7,5	Exam
MC12	Human anatomy	11,5	Exam
MC13	Histology, Cytology and Embryology	8,5	Exam
MC14	Physiology	7,5	Exam
MC15	Microbiology, Virology and Immunology	6,5	Exam
1.2. Professional training			
MC16	Pathomorphology	5,5	Exam
MC17	Pathophysiology	5,5	Exam
MC18	Pharmacology	5	Exam
MC19	Hygiene, Ecology, Vital Security, Bioethics, Biosecurity, Work Safety	9,5	Exam
MC20	Propaedeutics of Internal Medicine	4,5	Exam
MC21	Propaedeutics of Pediatrics	4,5	Differential credit
MC22	General Surgery	4,5	Exam
MC23	Radiology	3,5	Differential credit
MC24	Internal medicine	26,5	Exam
MC25	Pediatrics	14,5	Exam
MC26	Surgery	16	Exam
MC27	Obstetrics and gynecology	9	Exam
MC28	Social medicine, public health, history of medicine	8,0	Exam
MC29	Urology	3	Differential credit
MC30	Otorhinolaryngology	3	Differential credit
MC31	Ophthalmology	3	Differential credit
MC32	Neurology	3	Exam
MC33	Psychiatry, Medical Psychology and Narcology	4,5	Differential credit
MC34	Dermatology, venereology	3	Differential credit
MC35	Forensic medicine. Medical Law of Ukraine	3	Differential credit
MC36	Traumatology, orthopedics, physical rehabilitation, sports medicine	4,5	Differential credit
MC37	Phthisiology	3	Differential

			credit
MC38	Infectious diseases, epidemiology and principles of evidence-based medicine	8,5	Exam
MC39	Anesthesiology and intensive care	3	Differential credit
MC40	Emergency and emergency medical care	3	Differential credit
MC41	Oncology and Radiation Medicine	3	Differential credit
MC42	Palliative and Hospice Medicine	3	Differential credit
MC43	Clinical Anatomy and Operative Surgery	3	Differential credit
MC44	Medicine of extreme situations	6,5	Differential credit
MC45	General practice (family medicine)	3	Differential credit
PROFESSIONAL PRACTICE			
MC46	Care for patients in the surgical department	5	Differential credit
MC47	Care for patients in the therapeutic department		
MC48	Care for patients in the pediatric department		
MC49	Nursing practice in the surgical department	3	Differential credit
MC50	Nursing practice in the therapeutic department		
MC51	Nursing practice in the pediatric department		
MC52	Production medical practice in the therapeutic department of the hospital	5	Differential credit
MC53	Production medical practice in the surgical department of the hospital		
MC54	Production medical practice in the maternity ward of the hospital		
MC55	Production medical practice in the children's department of the hospital		
MC56	Production medical practice in the dispensary of family medicine (therapeutic department)	5	Differential credit
MC57	Production medical practice in the surgical department of the polyclinic		
MC58	Production medical practice in women's consultation		
MC59	Production medical practice in the outpatient clinic of family medicine (medical care to children and adolescents)		
MC60	Unified State Qualification Examination		
Total required components:		270	
2. SELECTIVE COMPONENTS OF THE EDUCATIONAL PROGRAM – an additional file			
Total Selective Components		90 / 25,0%	
THE TOTAL AMOUNT OF THE EDUCATIONAL PROGRAM		360	

2.2. Structural and logical scheme of the educational program

I year		II year		III year		IV year		V year		VI year	
1 semester	2 semester	3 semester	4 semester	5 semester	6 semester	7 semester	8 semester	9 semester	10 semester	11 semester	12 semester
English, 1,5 credits	English, 1,5 credits	English (professionally oriented), 2 credits	English (professionally oriented), 1 credit	Propaedeutics of Internal Medicine, 2 credits	Propaedeutics of Internal Medicine, 2,5 credits	Internal medicine, including Medical Genetics, Endocrinology, 4 credits	Internal medicine, including Medical Genetics, Endocrinology, 4 credits	Internal medicine, including Clinical Pharmacology, Clinical Immunology and Allergology, occupational diseases, 3,5 credits	Internal medicine, including Clinical Pharmacology, Clinical Immunology and Allergology, occupational diseases, 4 credits	Internal medicine, 5 credits	Internal medicine, 6 credits
Ukrainian (professionally oriented), 3 credits				Propaedeutics of Pediatrics, 2 credits	Propaedeutics of Pediatrics, 2,5 credits	Pediatrics, 2 credits	Pediatrics, 1,5 credits	Pediatrics with contagious child diseases, 2 credits	Pediatrics with contagious child diseases, 1,5 credits	Pediatrics with contagious child diseases, 3,5 credits	Pediatrics with contagious child diseases, 4 credits
History of Ukraine and Ukrainian culture, 3 credits				General Surgery, 2 credits	General Surgery, 2,5 credits	Surgery, 2 credits	Surgery, 1 credit	Surgery, including pediatric Surgery, neurosurgery, 2,5 credits	Surgery, including pediatric Surgery, neurosurgery, 3 credits	Surgery, including pediatric Surgery, 3,5 credits	Surgery, including pediatric Surgery, 4 credits
Philosophy, 3 credits			Microbiology, Virology and Immunology, 4 credits	Microbiology, Virology and Immunology, 2,5 credits		Urology, 3 credits	Obstetrics and gynecology, 3 credits	Obstetrics and gynecology, 1,5 credits	Obstetrics and gynecology, 1,5 credits	Obstetrics and gynecology, 1,5 credits	Obstetrics and gynecology, 1,5 credits
Latin and medical terminology, 3 credits		Work Safety, 1,5 credits	Hygiene and Ecology, 2 credits	Hygiene and Ecology 2 credits	Social medicine, public health, 2 credits	Social medicine, public health, 2 credits		Contagious Diseases, 2 credits	Contagious Diseases, 2 credits	Contagious Diseases, 1,5 credits	Contagious Diseases, 1,5 credits

											Hygiene and Ecology, 2,5 credits
											Social medicine, public health, 2,5 credits
Medical biology, 2 credits	Medical biology, 2 credits	Physiology, 3,5 credits	Physiology, 4 credits	Pathophysiology, 3 credits	Pathophysiology, 2,5 credits	Otorhinolaryngology, 3 credits	Dermatology, venereology, 3 credits	Epidemiology and principles of evidence-based medicine, 1,5 credits		General practice (family medicine), 1 credit	General practice (family medicine), 2 credits
Medical and biological physics, 3 credits		Medical Informatics, 3 credits		Pathomorphology, 3 credits	Pathomorphology, 2,5 credits	Ophthalmology, 3 credits	Forensic medicine. Medical Law of Ukraine, 3 credits	Phthiology, 3 credits			
Medical chemistry, 3 credits	Biological and bioorganic chemistry, 1,5 credits	Biological and bioorganic chemistry, 2,5 credits	Biological and bioorganic chemistry, 3,5 credits	Pharmacology, 2,5 credits	Pharmacology, 2,5 credits	Neurology, 2 credits	Neurology, 1 credit	Traumatology and Orthopedics, 3 credits	Anesthesiology and intensive care, 3 credits		
Human anatomy, 4,5 credits	Human anatomy, 4,5 credits	Human anatomy, 2,5 credits	Clinical Anatomy and Operative Surgery, 3 credits		Medical psychology, 1,5 credits	Physical rehabilitation, sports medicine, 1,5 credits	Psychiatry, Narcology, 3 credits		Emergency and emergency medical care, 3 credits		
Vital Security, Bioethics, Biosecurity, 1,5 credits	Histology, Cytology and Embryology, 5,5 credits	Histology, Cytology and Embryology, 3 credits	Medicine of extreme situations, 2 credits	Radiology, 1,5 credits	Radiology, 2 credits		Medicine of extreme situations, 2,5 credits	Medicine of extreme situations, 2 credits	Oncology and Radiation Medicine, 3 credits	Palliative and Hospice Medicine, 3 credits	
History of medicine, 1,5 credits			Care for patients (practice), 5 credits		Nursing practice, 3 credits		Виробнича лікарська практика, 5 credits		Виробнича лікарська практика, 5 credits		

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3. Form of assessment

Assessment of the educational program (Branch of knowledge: "Health Care", specialty: 222 "Medicine") is carried out in the form of Unified State Comprehensive Examination (USCE) and Objective Structured Clinical Examination (OSCE).

Assessment is carried out openly and publicly.

Unified State Comprehensive Examination consists of 2 stages: 1 stage – International exam on the basics of medicine (fundamental disciplines) and test Exam "Step 1 and English professional orientation", Stage 2 - International exam on the basics of medicine (clinical disciplines) and test Exam "Step 2 and English professional orientation". Test Exam "Step 1" is a semester, consists of 3 years of study and covers the content of fundamental disciplines. Test Exam "Step 2" covers the content of clinical disciplines and is developed after the full implementation of the curriculum for the specialty "Medicine".

Graduation certification is conducted in the format of an objective structured clinical examination (OSCE), which provides an opportunity to assess practical skills, clinical skills, taking into account the course of study. During the exam, standardized assessment scales are used, which ensures the unity of the methodology.

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

	GC1	GC2	GC3	GC4	GC5	GC6	GC7	GC8	GC9	GC10	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9	PC10	PC11	PC12	PC13	PC14	PC15	PC16	PC17	PC18	PC19	PC20	PC21	PC22		
MC1		+				+																												
MC2		+			+	+																												
MC3	+					+			+																									
MC4	+					+			+																									
MC5	+	+				+																												
MC6	+					+																												
MC7	+	+	+									+											+								+			
MC8	+											+	+		+									+										
MC9	+					+	+																						+	+				

MC29	MC28	MC27	MC26	MC25	MC24	MC23	MC22	MC21	MC20	
+	+	+	+	+	+	+	+	+	+	GC1
+		+	+	+	+	+	+	+	+	GC2
+		+	+	+	+	+	+	+	+	GC3
					+			+		GC4
					+			+		GC5
					+			+		GC6
					+			+		GC7
					+			+		GC8
					+			+		GC9
					+			+		GC10
+	+	+	+	+	+		+	+	+	PC1
+	+	+	+	+	+	+	+	+	+	PC2
+	+	+	+	+	+		+	+	+	PC3
+		+	+	+	+		+	+	+	PC4
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		+			+					PC13
	+						+			PC14
							+			PC15
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	+									PC17
+	+	+	+	+	+		+			PC18
	+									PC19
	+								+	PC20
										PC21
										PC22

MC59	MC58	MC57	MC56	MC55	MC54	MC53	MC52	MC51	MC50	
										GC1
										GC2
+	+	+	+	+	+	+	+	+	+	GC3
+	+	+	+	+	+	+	+	+	+	GC4
+	+	+	+	+	+	+	+	+	+	GC5
										GC6
										GC7
+	+	+	+	+	+	+	+	+	+	GC8
										GC9
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+	+	+	+	+	+	+	+	+	+	PC1
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+	+	+	+	+	+	+	+	+	+	PC4
+	+	+	+	+	+	+	+	+	+	PC5
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MC60	
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+	GC5
	GC6
	GC7
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	GC9
	GC10
+	PC1
+	PC2
+	PC3
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+	PC5
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+	PC11
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	PC22

MC19	MC18	MC17	MC16	MC15	MC14	MC13	MC12	MC11	MC10	
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	+							+		PEO3
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MC29	MC28	MC27	MC26	MC25	MC24	MC23	MC22	MC21	MC20	PEO1
	+									PEO2
										PEO3
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		+		+	+	+	+	+	+	PEO11
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		+		+	+	+	+	+	+	PEO13
		+		+	+	+	+	+	+	PEO14
		+		+	+	+	+	+	+	PEO15
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		+								PEO40
	+			+	+	+	+	+	+	PEO41
										PEO42
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										PEO44

MC39	MC38	MC37	MC36	MC35	MC34	MC33	MC32	MC31	MC30	PEO1
										PEO2
										PEO3
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				+		+				PEO5
				+						PEO6
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										PEO40
	+	+	+		+	+	+	+	+	PEO41
										PEO42
										PEO43
										PEO44

MC49	MC48	MC47	MC46	MC45	MC44	MC43	MC42	MC41	MC40	PEO1
										PEO2
+	+			+						PEO3
+	+									PEO4
										PEO5
										PEO6
										PEO7
				+						PEO8
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MC59	MC58	MC57	MC56	MC55	MC54	MC53	MC52	MC51	MC50	PEO1
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	PEO44

List 1 (syndromes and symptoms)

1. 1. Amenorrhea;
2. Anemic syndrome;
3. Anuria and oliguria;
4. Arterial hypertension;
5. Pain in the chest;
6. Abdominal pain;
7. Pain in the extremities and back;
8. Pain in the pronzhen;
9. Vomiting;
10. Broncho-obstructive syndrome;
11. Bulbar syndrome;
12. Effusion to the pleural cavity;
13. Hallucinatory-paranoid syndrome;
14. Fever;
15. Hepatomegaly and hepatolienal syndrome;
16. Headache;
17. Dysuria;
18. Dysmenorrhea;
19. Dyspepsia;
20. Dysgaphy;
21. Diarrhea;
22. Jaundice;
23. Sesoming;
24. Asphyxia;
25. Constipation;
26. Vertigo;
27. Cardiomegaly;
28. Cough;
29. Intestinal obstruction;
30. Bleeding;
31. Lymphadenopathy;
32. Meningeal syndrome;
33. Uterine bleeding;
34. Edema syndrome;
35. Paresis, paralysis;
36. Polyuria;
37. Portal hypertension;
38. Speech impediment (aphasing);
39. Impaired heart rate and conductivity;
40. Delirium;
41. Arterial hypotension;

42. Itching of the skin;
43. Urinary syndrome;
44. Dementia syndrome;
45. Dehydration syndrome;
46. Digestive insufficiency syndrome;
47. Sore throat;
48. Strydor;
49. Articular syndrome;
50. Convulsions;
51. Weight loss;
52. Cianosis;
53. Partial or total loss of vision;
54. Partial or total hearing loss;
55. Hemorrhagic syndrome;
56. Gastrointestinal bleeding;
57. Exantema, enantema.

List 2 (diseases)

I. Blood diseases and hematopoiesic organs, disorders involving the immune mechanism:

1. Anemia;
2. Hemolytic disease of newborns;
3. Hemophilia;
4. Leukemia;
5. Lymphoma;
6. Congenital (Bruton's disease, Hiscott-Aldrich syndrome) and acquired immunodeficiency conditions;
7. Newborn sepsis;
8. Surgical sepsis;
9. Idiopathic thrombocytopenic purpura;
10. Chronic ray 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:

11. Intraclacies;
12. Meningitis, encephalitis;
13. Migraine and other types of headaches;
14. Perinatal encephalopathy;

15. Disorders of the autonomic nervous system;
16. Violations of cerebral circulation;
17. Vertebrogenic diseases of the nervous system, neuropathy and polyneuropathy;
18. Multiple sclerosis;
19. Chronic occupational lesions (vibrative disease, professional discinesia);

IV. Eye diseases:

11. Blepharitis;
12. Acute glaucoma attack;
13. Conyuktivitis;
14. Foreign body of the eye;
15. Eye injuries;
16. Rethinopathy;

V. Diseases of the throat, ears, nose:

11. Laryngitis;
12. Otitis;
13. Peritonzylar abscess;
14. Sinusate;
15. Tonsillitis;

VI. Diseases of the cardiovascular system:

11. Aortic aneurysmy;
12. Atherosclerosis;
13. Varicose veins of the lower extremities;
14. Congenital heart defects;
15. Secondary arterial hypertension;
16. Acute occlusion of the main and peripheral arteries;
17. Endocardates;
18. Essential and secondary arterial hypertension;
19. Ischemic heart disease;
20. Cardiate;
21. Cardiomyopathy;
22. Pulmonary heart;
23. Acquired heart defects;
24. Obliterating endarteriid;
25. Pericardates;
26. Impaired heart rate and conductivity;
27. Heart failure;
28. Injuries to the heart and blood vessels;
29. Thromboembolism of the pulmonary artery;
30. Flebit, thrombophlebitis;

VII. Respiratory diseases and diseases of the mediastinum:

31. Asphyxia;
32. Bronchial asthma;
33. Bronchitis;
34. Bronchoectric disease;
35. Broncho-pulmonary dysplasia;
36. Congenital defects in respiratory development;
37. Respiratory failure;
38. Infectious and destructive pulmonary diseases;
39. Pulmonary insufficiency;
40. Mediastinites;
41. Cystic fibrosis;
42. Neoplasms of lungs and mediastinum;
43. Pleurisy;
44. Pneumoconiosis;
45. Pneumonia;
46. Pneumothorax;
47. Respiratory distress syndrome and pneumonia of newborns;
48. Foreign body in the respiratory tract;
49. Chest injuries (superficial, open);
50. Chronic obstructive pulmonary disease;

VIII. Diseases of the digestive system:

31. Rectum loss;
32. Ulcer disease;
33. Congenital defects in the development of digestive organs;
34. Gastroesophageal reflux disease, esophagitis;
35. Gastritis, duodenitis;
36. Acute and chronic hepatitis;
37. Acute intestinal obstruction;
38. Acute and chronic appendicitis;
39. Acute and chronic pancreatitis;
40. Benign diseases of the esophagus;
41. Enteritis, colitis;
42. Inflammatory diseases of the rectum and perianal region;
43. Pinched and unpinched belly nodes;
44. Neoplasms of the esophagus, stomach, colon, liver and pancreas;
45. Peptic ulcers of the stomach and duodenum;
46. Peritonitis;
47. Perforation of a hollow organ;
48. Hepatic insufficiency;
49. Malabsorption syndrome;
50. Stomach pylorus stenosis;
51. Abdominal injuries (superficial, open);

- 52. Functional gastrointestinal disorders;
- 53. Diseases of the operated stomach;
- 54. Cholecystitis, cholangitis, cholelithiasis, cholecholitis;
- 55. Cirrhosis of the liver;
- 56. Gastrointestinal bleeding;

IX. Diseases of urogenital system:

- 51. Amyloidosis of the kidneys;
- 52. Balanitis, balanopostyt;
- 53. Congenital defects in the development of the urinary system;
- 54. Glomerulonephritis;
- 55. Dysmetabolic nephropathies;
- 56. Nephrotic syndrome;
- 57. Neoplasms of the kidney, urinary tract and prostate;
- 58. Pielonephritis;
- 59. Prostatitis;
- 60. Urolithiasis;
- 61. Tubulointersty jade;
- 62. Urethritis;
- 63. Chronic kidney disease;
- 64. Cystitis;

X. Diseases of the skin and subcutaneous tissue:

- 51. Allergodermatosis (dermatitis, toxicodermia, eczema);
- 52. Bacterial diseases of the skin and subcutaneous tissue, pyoderma;
- 53. Purulent inflammatory diseases of the fingers and hands;
- 54. Purulent inflammatory diseases in children and newborns;
- 55. Mycosis;
- 56. Burns and frostbite;
- 57. Parasitic skin diseases (scabies, carrion);
- 58. Psoriasis;
- 59. Blistering dermatosis;
- 60. Specific surgical infection (anaerobic clostridial and non-clostridial);

XI. Diseases of the muscular system and connective tissue:

- 51. Ankylosing spondyloarthritis;
- 52. Congenital and acquired defects in the development of the muscular system;
- 53. Acute rheumatic fever;
- 54. Dermatomyositis;
- 55. Polymyositis;
- 131. Neoplasms of the muscular system;
- 132. Osteoarthritis;
- 133. Osteoeliteitis;
- 134. Gout;
- 135. Polytrauma;

- 136. Reactive arthritis;
- 137. Rheumatoid arthritis;
- 138. Systemic sclerodermy;
- 139. Systemic lupus erpus;
- 140. Systemic vasculitis (nodular polyarteritis, hemorrhagic vasculitis, hypersensitive vasculitis);
- 141. Typical fractures of shoulder, forearm, hand, hip, shin, foot;
- 142. Thyasis injury;
- 143. Spinal injury;
- 144. Damage to large joints (hip, knee, ankle, elbow);
- 145. Chronic rheumatic disease;
- 146. Juvenile rheumatoid arthritis.

XII. Diseases of the endocrine system, eating disorder and metabolic disorders:

- Acromegaly;
- 132. Thymus hyperplasia;
- 133. Hypothyroidism;
- 150. Hypotrophy, protein and energy insufficiency;
- 151. Pituitary neysm;
- 152. Diffuse toxic goiter;
- 153. Iodine deficiency diseases of the thyroid gland;
- 154. Diabetes;
- 155. Neoplasms of the thyroid gland;
- 156. Obesity;
- 157. Congenital dysfunction of the adrebral cortex;
- 158. Rickets, spasmophilia;
- 159. Hereditary metabolic diseases (phenylketonuria);
- 160. Hereditary chromosomal disorders (Down's disease, Shereshevsky-Turner syndrome);
- 161. Thyroids;
- 162. Thyrotoxicosis;
- 163. Itzenka-Cushing's disease and syndrome;
- 164. Chronic adrenal insufficiency;
- 165. Diabetes mellitus;

XIII. Infectious and parasitic diseases:

- 175. Bacterial food poisoning;
- 176. Besya;
- 177. Botulism;
- 178. Viral hepatitis;
- 179. Chickenpox;
- 180. Congenital infections of the newborn;
- 181. Helminthase;
- 182. Herpesvirus diseases;

183. Influenza and other acute respiratory viral infections;
184. Diphtheria;
185. Infectious mononucleosis;
186. Candidoza;
187. Pertussis;
188. Intestinal bacterial infections;
189. Intestinal viral infections;
190. Measles;
191. Tick-borne viral encephalitis;
192. Rubella;
193. Leptospirosis;
194. Malaria;
195. Meningococcal infection;
196. Viral infections are especially dangerous;
197. Mumps infection;
198. Polio;
199. Tetanus;
200. Protozoal infections;
201. Ricketseiosis;
202. Anthrax;
203. Rabies;
204. Scarlet state;
205. Tuberculosis of different localizations;
206. Lyme disease;
207. Disease caused by human immunodeficiency virus (HIV);
208. Chlamydia infections;
209. Cholera;
210. Plague;

Contagious Diseases, що передаються переважно статевим шляхом:

211. Gonococcal infection;
212. Syphilis

XIV. Diseases of the female reproductive system.

Pathologies of pregnancy:

205. Multiple pregnancy;
206. Vomiting (vomiting) of pregnant women;
207. Pregnancy with extragenital pathology;
208. Fetal scratching during pregnancy;
209. Delayed fetal growth;
210. Immune conflict during pregnancy;
211. Bladder list;
212. Placenta overdose;
213. Premature detachment of the placenta;
214. Premature birth and over-pregnancy;

- 215. Ectopic pregnancy;
- 216. Pre-eclampsia and eclampsia;
- 217. Unauthorized abortion.

Pathology of childbirth and postpartum period:

- 205. Anomalies of maternity activities;
- 206. Pelvis abnormalities, including clinically narrow pelvis;
- 207. Fetal scratching during childbirth;
- 208. Bleeding maternity and postparta;
- 209. Improper position and fetal overlaiment;
- 210. Postpartol septic diseases;
- 211. Injuries to the uterus and maternity tract.

Gynecological diseases:

- 212. Abnormal uterine bleeding;
- 213. Ovarian apoplexy;
- 214. Infertility;
- 215. Congenital defects in the development of female genital organs;
- 216. Benign dysplasia of the mammary glands;
- 217. Benign and precancerous neoplasms of female genital organs;
- 218. Endometriosis;
- 219. Inflammatory diseases of the female genital organs;
- 220. Malignant neoplasms of female genital organs;
- 221. Mastitis;
- 222. Neuroendocrine syndromes;
- 223. Neoplasms of the mammary gland.

List 3 (medical emergencies)

- 1. Asphyxia (including neonatal);
- 2. Hypertensive crisis
- 3. Acute respiratory failure;
- 4. Acute urine retensency;
- 5. Acute adventil insufficiency;
- 6. Acute kidney damage;
- 7. Acute liver failure;
- 8. Acute heart failure;
- 9. Acute poisoning, including combat poisonous substances;
- 10. Acute psychosis;
- 11. Acute coronary syndrome;
- 12. Acute radiation and chemical lesions, including in the field and under emergencies;
- 13. Acute cerebral insufficiency;
- 14. Electrotrauma;

15. Epileptic status;
16. Acute bleeding;
17. Acute blood loss syndrome, including in the field and in emergency conditions;
18. Cardiac arrest;
19. Collapse;
20. Impaired consciousness and coma;
21. Renal colic;
22. Bile colic;
23. Acute anaphylactic reactions;
24. Acute heart rhythm disorders;
25. Cold injury, including in the field;
26. Thermal injury, including in the field;
27. Convulsive syndrome;
28. Drowning;
29. Strangulation asphyxia;
30. Normal childbirth;
31. Shocks;
32. Bites of snakes, insects, animals;
33. Penetrating wounds, including during hostilities;
34. Burns, including in the field;
35. Foreign bodies of the respiratory tract; gastrointestinal tract, nose and throat examination and eye.

List 4 (laboratory and instrumental studies)

1. Analysis of pleurisy fluid;
2. Analysis of ascitic fluid;
3. Analysis of synovial fluid;
4. Urine analysis according to Zimnytskyi;
5. Urine analysis according to Nechyporenko;
6. Activity of alpha-amylaz in blood and urine, fecal elastaz;
7. Blood proteins and their fractions, C-reactive protein;
8. Blood glucose, glycosylated hemoglobin;
9. Oral glucose tolerance test;
10. Blood lipids and lipoproteids and their fractions;
11. Blood hormones;
12. Ferritin, iron and copper serum;
13. Creatinine, urea of blood and urine, rate of esthy bladder filtration;
14. Blood electrolytes;
15. Aminotransferases of blood;
16. Total bilirubin of blood and its fraction;
17. Coagulogram;
18. Uric acid of blood;
19. Alkaline blood phosphatase;

20. Histomorphological study of the bioptate of lymph nodes;
21. Histomorphological study of parenchymatous bioptate;
22. Histomorphological study of the bioptate of the mucous membranes;
23. Histomorphological study of muscle and skin bioptate;
24. Investigation of the internal environment of premises (indicators of the microclimate; natural and artificial lighting, bacteriological and chemical air pollution);
25. Investigation of external respiration function;
26. Standard ECG;
27. Endoscopic study of bronches;
28. Endoscopic examination of the digestive tract;
29. Echocardiography and doplegography;
30. General analysis of feces;
31. General blood test;
32. General urine analysis;
33. General analysis of dorsal fluid;
34. General analysis of the stubble pedal;
35. General analysis of hardening;
36. General immunological profile of blood;
37. Serological reactions in infectious diseases;
38. Rapid tests for viral diseases;
39. Amplification methods for infectious diseases (PCR, LCR);
40. Serological reactions in autoimmune diseases;
41. Chemical and bacteriological studies of the external environment of man (atmospheric air, reservoirs, soil);
42. Microbiological examination of biological fluids and secretes;
43. Measurement of radiation (sound, vibration, ionizing), individual radiography;
44. Methods of instrumental visualization of the thyroid gland;
45. X-ray contrast angiography;
46. Methods of instrumental visualization of abdominal organs;
47. Methods of instrumental visualization of the thoracic cavity;
48. Methods of instrumental imaging of the genitourinary system;
49. Methods of instrumental visualization of the skull, spine, spinal cord, bones and joints;
50. Methods of instrumental visualization of the breast;
51. Tuberculinodiagnostics;
52. Multi-pronged fractional study of bile and pH-metry of the stomach and esophagus;
53. Chemical, organoleptic, bacteriological study of food and drinking water;
54. Cytological examination of the cervix;
55. Measurement of ergonomic indicators of hardness and tension of work.

List 5 (medical procedures)

1. Perform indirect heart massage;
2. Perform artificial respiration;
3. Defibrillation with a manual automatic cardioverter defibrillator;
4. Carry out registration of standard ECG in 12 withdrawals;
5. Carry out a temporary stop of external bleeding;
6. Carry out primary surgical treatment of wounds, bandages, removal of skin seams, including in the field;
7. Impose bandrels, including in the field;
8. Establish a nazogastralnye and orogastral probe;
9. Carry out transport and mobilization;
10. Administer medicinal substances (intravenous jet and drip, intra-bone), including in the field;
11. Provide peripheral venous access;
12. Measure blood pressure;
13. Restore the permeability of the respiratory tract;
14. Catheterize the bladder with a soft probe;Проводити тампонаду носа;
15. Perform the technique of contacting the newborn "skin to skin" and early application to the breast;
16. Carry out digital examination of the rectum and with the help of a rectal mirror;
17. Carry out finger examination of the prostate;
18. Carry out clinical examination of the mammary glands;
19. Perform a plebal puncture;
20. Determine the blood group, Rhesus belonging;
21. Transfusion of blood components and blood substitutes;
22. Conduct bimanual research and examination of a woman in mirrors;
23. Perform pelviometry;
24. Carry out external (Leopold's techniques) and internal obstetric examination;
25. Carry out auscultation of the fetus;
26. Taking smears for bacterioscopic, bacteriological and cytological studies.