



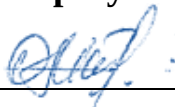
INTERNATIONAL EUROPEAN UNIVERSITY

**EDUCATIONAL AND SCIENTIFIC INSTITUTE
"EUROPEAN MEDICAL SCHOOL"**

Department of Internal Medicine

APPROVED

**by the Scientific and Methodological
Council of the University,
protocol dated 29/08/2023 No. 7
Deputy Chairman of the IMC**

 **Oksana LISNICHUK**

**COURSE TRAINING PROGRAM
ON**

INDUSTRIAL MEDICAL PRACTICE

for the training of students of higher education at the second (master's) level
(full-time and/or part-time study)

Knowledge area:	22 Public Health
Specialty:	222 Medicine
Educational program:	"Medicine"
Discipline status:	Mandatory

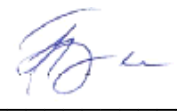
The academic program of the educational discipline "Productive medical practice" is compiled on the basis of the educational and professional program for the second (master's) level of specialty 222 "Medicine", approved by the Academic Council of the University on May 30, 2023, protocol No. 4.

Organizer of the program:

Acting the head of the department
internal diseases, associate professor,
candidate of medical sciences

 Lyudmyla ZAKORDONETS

Professor of the Department of
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Doctor of Medicine.

 Hennadiy BABAENKOV

Professor of the Department of
Internal Medicine, Doctor of Medicine.

 Maksym ZAHORODNIY

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Reviewer:

Professor of the Department of
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 Maksym ZAHORODNIY

Guarantor LP:

head of the department of pediatrics,
immunology, infectious and rare diseases
Doctor of Medicine, Professor

 Anastasiia BONDARENKO

The educational program of the academic discipline was reviewed and approved at the meeting of the Department of Internal Medicine, protocol No. 1 dated August 25, 2023.

Acting Head of the Department
of Internal Medicine, Ph.D.

 Lyudmyla ZAKORDONETS

Reviewed and approved by the Academic Council of the Educational and Scientific Institute "European Medical School", protocol No. 1 dated August 29, 2023

Head of the Scientific Council of
the National Institute of Medicine,
European Medical School, Doctor of Medicine,
Associate Professor

 Yevhenii SIMONETS

1. DESCRIPTION OF THE EDUCATIONAL DISCIPLINE

Name of indicators	Field of knowledge, direction of training, educational and qualification level	Characteristics of the academic discipline
		Full-time education
Number of credits – 6	Field of knowledge 22 "Health care"	<u>Normative</u>
	Direction of training "Medicine"	
Total number of hours – 180	Specialty: 222 "Medicine"	Year of preparation
		4-th
		Semester
		8-th
Modules – 4	Education level: Master's degree	Lectures
		-
		Practical training
		96 h.
		Individual work
		84 h.
		Type of control:
		<u>Differentiated test</u>

2. STRUCTURE OF THE TRAINING STUDY PROGRAM

The practice of students of the medical institute is carried out as a doctor's assistant in the therapeutic, surgical and children's departments of hospitals and maternity hospitals. Industrial medical practice of IV year students in the scope of professional duties of a hospital doctor lasts 4 weeks - 1 week each in the therapeutic, surgical, children's wards and the maternity hospital (department).

Competencies and learning outcomes

According to the requirements of the EPP, the discipline provides students with the acquisition of

Competencies and program learning outcomes:

General competences (GC)	
GC -1	Ability to abstract thinking, analysis and synthesis.
GC -2	Ability to learn and master modern knowledge
GC -3	Ability to apply knowledge in practical situations.
GC -4	Knowledge and understanding of the subject area and understanding of professional activity.
GC -5	Ability to adapt and act in a new situation.
GC -6	Ability to make informed decisions.
GC -7	Ability to work in a team.
GC -8	Ability to interpersonal interaction.
GC -10	Ability to use information and communication technologies.
GC -11	Ability to search, process and analyze information from various sources.

GC -12	Determination and persistence in relation to assigned tasks and assumed responsibilities.
Professionals competence (PC)	
PC -1	Ability to collect medical information about the patient and analyze clinical data.
PC -2	Ability to determine the necessary list of laboratory and instrumental studies and evaluate their results.
PC -3	Ability to establish a preliminary and clinical diagnosis of the disease.
PC -4	Ability to determine the necessary regime of work and rest in the treatment and prevention of diseases.
PC -5	Ability to determine the nature of nutrition in treatment and prevention diseases
PC -6	Ability to determine the principles and nature of treatment and prevention of diseases.
PC -7	Ability to diagnose emergency conditions.
PC -8	Ability to determine tactics and provide emergency medical care.
PC -10	Ability to perform medical manipulations.
PC -11	Ability to solve medical problems in new or unfamiliar environments in the presence of incomplete or limited information, taking into account aspects of social and ethical responsibility.
PC -16	Ability to maintain medical documentation, including electronic forms.
PC -21	Convey one's own knowledge, conclusions and arguments on health care problems and related issues to specialists and non-specialists and people who are studying clearly and unambiguously
PC -24	Adherence to ethical principles when working with patients and laboratory animals.
PC -25	Adherence to professional and academic integrity, to be responsible for the reliability of the obtained scientific results.
Program learning outcomes (PLO)	
PLO -1	Have thorough knowledge of the structure of professional activity. To be able to carry out professional activities that require updating and integration of knowledge. To be responsible for professional development, the ability for further professional training with a high level of autonomy.
PLO -3	Specialized conceptual knowledge, which includes scientific achievements in the field of health care and is the basis for conducting research, critical understanding of problems in the field of medicine, and related interdisciplinary problems.
PLO -4	To highlight and identify the leading clinical symptoms and syndromes (according to list 1); according to standard methods, using the previous data of the patient's history, the data of the patient's examination, knowledge about the person, his organs and systems, to establish a preliminary clinical diagnosis of the disease (according to list 2).
PLO -5	Collect complaints, history of life and diseases, evaluate psychomotor and physical development of the patient, state of organs and systems of the body, based on the results of laboratory and instrumental studies, evaluate information regarding the diagnosis (according to list 4), taking into account the age of the patient.

PLO -6	Establish the final clinical diagnosis by making a reasoned decision and analyzing the received subjective and objective data of clinical, additional examination, differential diagnosis, observing the relevant ethical and legal norms, under the control of the head physician in the conditions of the health care institution (according to list 2) .
PLO -7	Assign and analyze additional (mandatory and optional) examination methods (laboratory, functional and/or instrumental) (according to list 4) of patients with diseases of organs and body systems for differential diagnosis of diseases (according to list 2).
PLO -8	Determine the main clinical syndrome or what causes the severity of the victim/victim's condition (according to list 3) by making a reasoned decision and assessing the person's condition under any circumstances (in the conditions of a health care facility, outside its borders), including in conditions of emergency and hostilities, in field conditions, in conditions of lack of information and limited time.
PLO - 9	Determine the nature and principles of treatment (conservative, operative) of patients with diseases (according to list 2), taking into account the patient's age, in the conditions of a health care institution, outside its borders and at the stages of medical evacuation , including in field conditions, on the basis of a preliminary clinical diagnosis, observing the relevant ethical and legal norms, by making a reasoned decision according to existing algorithms and standard schemes, in case of the need to expand the standard scheme, be able to substantiate personalized recommendations under the control of the head physician in the conditions of a medical institution.
PLO - 10	Determine the necessary regime of work, rest and nutrition on the basis of the final clinical diagnosis, observing the relevant ethical and legal norms, by making a reasoned decision according to the existing algorithms and standard schemes.
PLO - 14	Determine tactics and provide emergency medical assistance in emergency situations (according to list 3) in the conditions limited time according to the existing ones clinical protocols and treatment standards .
PLO - 16	Form rational medical routes for patients; organize interaction with colleagues in their own and other institutions, organizations and institutions; to apply tools for the promotion of medical services in the market, based on the analysis of the needs of the population, in the conditions of the functioning of the health care institution, its division, in a competitive environment.
PLO - 17	Perform medical manipulations (according to list 5) in the conditions of a medical institution, at home or at work based on a previous clinical diagnosis and/or indicators of the patient's condition by making a reasoned decision, observing the relevant ethical and legal norms.
PLO - 18	To determine the state of functioning and limitations of a person's vital activities and the duration of incapacity for work with the preparation of relevant documents, in the conditions of a health care institution, based on data about the disease and its course, peculiarities of the person's professional activity, etc. Conduct medical documentation of patient and population contingent on the basis of regulatory documents .
PLO - 21	Search for the necessary information in the professional literature and databases of other sources, analyze, evaluate and apply this information.

PLO - 22	Apply modern digital technologies, specialized software, and statistical data analysis methods to solve complex healthcare problems.
PLO - 24	Organize the necessary level of individual safety (own and the persons he cares for) in case of typical dangerous situations in the individual field of activity.
PLO - 25	Convey one's own knowledge, conclusions and arguments on health care problems and related issues to specialists and non-specialists clearly and unambiguously
PLO - 27	Communicate freely in the national and English languages, both orally and in writing to discuss professional activities, research and projects.
PLO - 28	Make effective decisions about health care problems, evaluate the necessary resources, take into account social, economic and ethical consequences.

3. PROGRAM OF EDUCATIONAL DISCIPLINE

Content module 1. Basic duties and professional actions of a doctor in the therapeutic department of a hospital.

Topic 1: principles of organization of planned and emergency therapeutic care in Ukraine.

Topic 2: improving the survey and physical examination of patients with major diseases of the respiratory, digestive, hematopoietic and endocrine system.

Topic 3: mastering the skills of interpretation of laboratory and instrumental research methods in internal medicine.

Topic 4: improvement of the skills of substantiation and formulation of the diagnosis in the main diseases of the respiratory organs, digestion, hematopoietic organs and the endocrine system.

Topic 5: appointment of treatment, primary and secondary prevention in the main diseases of respiratory organs, digestion, hematopoietic organs and endocrine system.

Topic 6: mastering the skills of providing emergency care in an internal medicine clinic.

Topic 7: application of the principles of ethics and deontology in the practice of the doctor of the therapeutic department.

Content module 2. The main duties and professional actions of a doctor in the surgical department of a hospital:

Topic 8: principles of organization of planned and emergency surgical care in Ukraine.

Topic 9: improvement of skills of clinical, laboratory-instrumental diagnostics and tactics of treatment of major surgical diseases in hospital conditions

Topic 10: mastering the skills of providing emergency medical care for urgent surgical diseases.

Topic 11: application of the principles of ethics and deontology in the practice of the doctor of the surgical department.

Content module 3. Basic duties and professional actions of a doctor of a pediatric department of a hospital.

Topic 12: principles of organization of medical care for children in Ukraine, basics of Ukrainian legislation on children's health care.

Theme 13: improving the skills of clinical, laboratory-instrumental diagnostics and treatment tactics of the main children's diseases in the conditions of a children's hospital

Topic 14: mastering the skills of providing emergency medical care in emergency situations in children.

Topic 15: application of the principles of ethics and deontology in the practice of the doctor of the pediatric department.

Content module 4. The main duties and professional actions of a doctor in the maternity ward of a hospital.

Topic 16: principles of organization of medical care for pregnant women, women in labor and women in labor in Ukraine, basics of Ukrainian legislation on maternal and child health care.

Topic 17: improvement of diagnostics of early and late stages of pregnancy. Participation in the management of physiological childbirth and the postpartum period. Clinical, laboratory-instrumental diagnostics and tactics of treatment of complications of pregnancy, childbirth, postpartum period in the

conditions of an obstetric hospital.

Theme 18: mastering the skills of providing emergency medical care in obstetrics.

Topic 19: application of the principles of ethics and deontology in the practice of a maternity ward doctor.

Topic 20: final control of knowledge in the form of differential assessment.

4. STRUCTURE OF THE EDUCATIONAL DISCIPLINE

№	Subject name	Practical	Individual
	Content module 1. Basic duties and professional actions of a doctor in the therapeutic department of a hospital.	28	20
1	Principles of organization of planned emergency therapeutic care in Ukraine	4	3
2	Improvement of the survey and physical examination of patients with the main diseases of the respiratory, digestive, hematopoietic organs and the endocrine system.	4	3
3	Mastering the skills of interpretation of laboratory and instrumental research methods in internal medicine.	4	3
4	Improving the skills of substantiation and formulation of the diagnosis in the main diseases of the respiratory, digestive, hematopoietic organs and endocrine system.	4	3
5	Appointment of treatment, primary and secondary prevention in the main diseases of respiratory organs, digestion, hematopoietic organs and endocrine system.	4	3
6	Mastering the skills of providing emergency care in an internal medicine clinic.	4	3
7	application of the principles of ethics and deontology in the practice of the doctor of the therapeutic department.	4	2
	Content module 2. The main duties and professional actions of a doctor in the surgical department of a hospital	20	20
8	Principles of organization of planned and emergency surgical care in Ukraine.	5	5
9	Improving the skills of clinical, laboratory-instrumental diagnostics and tactics of treatment of the main surgical diseases in hospital conditions	5	5
10	Mastering the skills of providing emergency medical care for urgent surgical diseases.	5	5
11	Application of the principles of ethics and deontology in the practice of the doctor of the surgical department.	5	5
	Content module 3. Basic duties and professional actions of a doctor of a pediatric department of a hospital.	20	20
12	Principles of organization of medical care for children in Ukraine, the basics of the legislation of Ukraine on children's health protection.	5	5
13	Improving the skills of clinical, laboratory-instrumental diagnostics and tactics of treatment of the main children's diseases in the conditions of a children's hospital	5	5
14	Mastering the skills of providing emergency medical care in emergency situations in children.	5	5
15	Application of the principles of ethics and deontology in practice doctor of the pediatric department.	5	5

	Content module 4. The main duties and professional actions of a doctor in the maternity ward of a hospital.	28	24
16	The principles of the organization of medical care for pregnant women, women in labor and women in labor in Ukraine, the basics of Ukrainian legislation on maternal and child health care.	7	6
17	Improvement of diagnostics of early and late periods of pregnancy. Participation in the management of physiological childbirth and the postpartum period. Clinical, laboratory-instrumental diagnostics and tactics of treatment of complications of pregnancy, childbirth, and the postpartum period in the conditions of an obstetric hospital	9	7
18	Mastering the skills of providing emergency medical care in obstetrics.	6	6
19	Application of the principles of ethics and deontology in practice doctor of the maternity ward	6	5
	Total	96	84

5. INDIVIDUAL TASKS

Individual tasks are one of the forms of organization of education at the university, which aims to deepen, generalize and consolidate the knowledge that students receive in the process of learning, as well as the application of this knowledge in practice. Individual tasks are performed by students independently under the guidance of the teacher.

Individual tasks include: writing abstracts and creating multimedia presentations with reports at the meetings of the scientific student circle of the department, participation in the production of macro- and micropreparations, participation in the scientific and research work of the department, participation in writing theses and articles for reports at student scientific conferences.

List of tasks for the student's individual work: participation in the work of the student scientific circle and speeches at scientific forums; participation in the student Olympiad in discipline; selection of video and audio materials from sections of the academic discipline; selection of materials and creation of a presentation on a relevant topic or section of the discipline.

6. TEACHING METHODS

According to the sources of knowledge, teaching methods are used: verbal - story, explanation, lecture, instruction; visual - demonstration, illustration; practical - practical work, problem solving. According to the nature of the logic of knowledge, methods are used: analytical, synthetic, analytical-synthetic, inductive, deductive. According to the level of independent mental activity, the following methods are used: problem-based, searching, research.

1. Verbal methods: conversation;
2. Visual methods: illustration, demonstration, demonstration at the patient's bedside;
3. Practical methods: performing practical work and solving situational tasks to develop skills and abilities; simulation training.
4. Students' independent work on understanding and assimilation of new material
5. Use of control and training computer programs
6. Innovative teaching methods: Case-based learning (Learning through the analysis of a clinical case, situation); brainstorming; educational discussion; educational debate; role play; team-based learning; think-pair-share.

The types of training classes according to the curriculum are: practical classes; individual work of students.

7. CONTROL METHODS

Current control is carried out on the basis of control of theoretical knowledge, practical skills, and abilities.

Forms of current control are oral survey (frontal, individual, combined), interview; practical verification of the formed professional skills (carried out based on the results of solving clinical cases, working with medical documentation, performing practical skills, working at the patient's bedside); test control ("open" and "closed" test tasks).

Current control is mandatory. During the evaluation of mastering each topic from all disciplines of the curriculum for the current educational activity, the student is given grades on a 4-point (traditional scale) taking into account the approved evaluation criteria for the discipline. All types of work provided by the curriculum are taken into account. The student must receive a grade in each topic. The teacher conducts a survey of each student in the group at each lesson and assigns a grade in the journal of attendance and student success according to the traditional scale ("5", "4", "3", "2").

When evaluating the student's current educational activity, 20% of the grade is the student's independent work, which takes into account the knowledge of the topic of independent study and the performance of work in the notebook.

The final (summary) control is carried out:

- in the form of a written test, which includes test tasks, theoretical questions
- control of practical skills (solving clinical cases, defense of medical history, assessment of the correctness of practical skills - practical-oriented exam).

According to the specifics of professional training, preference is given to test and practically oriented control.

8. THE FORM OF FINAL CONTROL OF STUDY SUCCESS.

The final control of the discipline is carried out on the basis of control of theoretical knowledge, practical skills and abilities.

Differential assessment is a form of final control of the student's assimilation of theoretical and practical material from the academic discipline.

9. CALCULATION SCHEME AND DISTRIBUTION OF POINTS RECEIVED BY STUDENTS

The maximum number of points for a discipline is 200 points. The ratio between the results of the evaluation of the current educational activity and the final control of knowledge is 60% and 40%.

The study of the discipline ends with a final control in the form of a differential assessment.

Only those students who do not have academic debt (all missed classes have been completed) and whose average score for the current educational activity in the academic discipline is at least "3" are admitted to the differential credit.

The maximum number of points that a student can score for the current educational activity for admission to the exam is 120 points and is defined as the sum of the arithmetic average of all grades received in the semester.

The minimum number of points that a student must score for the current educational activity for admission to the exam is 72 points. Recalculation of the average grade for the current academic performance (on a 120-point scale) in the table. 1.

Table 1.

Recalculation of the average grade for the current academic performance in a multi-point scale for disciplines ending with an exam

4-point scale	200-point scale	4-point scale	200-point scale	4-point scale	200-point scale
5	120	4.29	103	3.58	86

4.96	119	4.25	102	3.54	85
4.92	118	4.21	101	3.50	84
4.87	117	4.17	100	3.46	83
4.83	116	4.12	99	3.42	82
4.79	115	4.08	98	3.37	81
4.75	114	4.04	97	3.33	80
4.71	113	4.00	96	3.29	79
4.67	112	3.96	95	3.25	78
4.62	111	3.92	94	3.21	77
4.58	110	3.87	93	3.17	76
4.54	109	3.83	92	3.12	75
4.50	108	3.79	91	3.08	74
4.46	107	3.75	90	3.04	73
4.42	106	3.71	89	3	72
4.37	105	3.67	88	Less than 3	Not enough
4.33	104	3.62	87		

The maximum number of points that a student can score when taking the exam is 80 (the minimum number is at least 50).

The grade for the discipline is determined comprehensively, as the sum of points for the current educational activity and points for the exam.

From the allocated 120 points for the current educational activity, 4 to 12 additional points are allocated for the assessment of individual independent work of higher education applicants, according to the work curriculum. Encouragement points are added to the final grade for the discipline at the end of its study.

Points from the discipline for students who have successfully completed the program are converted into the national scale and the ECTS system (Table 2).

Table 2

Evaluation scale: national and ECTS

The sum of points for all types of educational activities	ECTS grade	Grade according to the national scale	
		for the exam, differentiate test	for credit
180-200	A	excellent	credited
160-179	B	good	
150-159	C		
130-149	D	satisfactorily	
120-129	E		
50-119	F X	unsatisfactory with the possibility of retaking	Not credited with the possibility of retaking
0- 49	F	unsatisfactory with mandatory repeated study of the discipline	Not credited with mandatory repeated study of the discipline

Recommended literature (Therapy)

Basic

1. Internal diseases. Textbook based on the principles of evidence-based medicine 2018/19. Svintsitsky A.S., Gaevski P.. Practical Medicine 2018—1632 p.
2. Gastroenterology. Kharchenko N.V., Babak O.Ya., Textbook - K., 2007. – 720 p.
3. Diagnosis, treatment and prevention of major cardiac diseases: a study guide for students of the 5th year of medical universities of the 4th level of accreditation / Ed. O. M. Bilovola, P. G. Kravchuna, in 2 parts. - Kharkiv, KHNU named after V. N. Karazina, 2010. - part 1. - 264 p. - part 2.- 200 p.
4. Diagnosis, treatment and prevention of the main diseases of the musculoskeletal system and connective tissue: a study guide for students of the 5th year of medical universities of the 4th level of accreditation / Ed. O. M. Bilovola, P. G. Kravchuna. - Kharkiv, KhNU named after V.N. Karazina, 2010. - 256 p.
5. Endocrinology: a textbook for students of higher medical educational institutions of the IV level of accreditation / P. M. Bodnar [and others]; under the editorship P. M. Bodnar; National AMS of Ukraine. - 4th ed., updated. and added - Vinnytsia: Nova Kn., 2017. - 449 p.
6. Nephrology: National textbook / Ed. L. V. Piroga, D. D. Ivanova. Kyiv, 2014. 314 p.
7. Perederii V.G., Tkach S.M. Basics of internal medicine. In 3 volumes. Volume 2. "New book", 2009. - 976 p.
8. Physiotherapy: textbook / edited by Prof., Doctor of Medicine N. O. A. Vladimirova, prof., doctor of medicine. N. V.V. Yezhova, z. d. n. Russian Federation, Prof., Doctor of Medicine. N. H. M. Ponomarenko. - K.: Format, 2013. - 432 p.

Auxiliary

1. Clinical and radiological atlas for the diagnosis of lung diseases / edited by Prof. L.D. Todoriko. – Chernivtsi: Medical University, 2013. – 342 p.
2. Netyazhenko V.Z. Acute coronary syndrome. Diagnostic measures and treatment algorithm - Kyiv - 2009 - 191 p.
3. Roschin, H. G. Emergency medical care: pre-hospital stage - manipulation algorithms (basic level) - K., 2012. - 84 p.
4. Svintsytskyi A.S., Yaremenko O.B., Puzanova O.G., Khomchenkova N.I. Rheumatic diseases and syndromes. – K.: "Book plus", 2006. – 680 p.4
5. Cardiovascular diseases. Classification, standards of diagnosis and treatment / Ed. V.M. Kovalenko, M.I. Lutaya, Yu.M. Sirenka - K.: MORION, 2016. - 192 p
6. Titov I.I., Voloshynstkyi O.V., Glushko L.V., Datsyuk O.I., Algorithms for providing emergency care in critical conditions: a study guide, Vinnytsia, 2009. – 256 p.
7. Hampton D., Hampton D., Basics of EKG - The EKG Made Easy: 9th edition (Bilingual), K., "Medicine", 2020 - 234 p.
8. Medical journals: "Doctor", "The Art of Healing", "World Medicine", "Medical Affairs", "Medicines of Ukraine", "Ukrainian Cardiology Journal", "Ukrainian Therapeutic Journal", "Ukrainian Rheumatology Journal", "Ukrainian Medical journal", "Acta Medica Leopoliensia", "Science", "Therapia".

List of educational and methodical literature (Surgery)

1. Emergency surgery: Textbook for students of VI courses of medical faculties of medical universities. / Auth. coll.: V. V. Boyko, V. M. Lisovyi, V. A. Kapustnyk, L. Y. Honcharenko, I. A. Taraban, V. V. Makarov, etc.; under the editorship member-cor. NAMNU, prof. V.V. Boyka, member-cor. NAMNU, prof. V. M. Lisovoy. - Kharkiv, "NTMT", 2019. - 512 p.
2. Emergency surgery. Textbook for the 6th year students of medicine / Authors: V.V. Boyko, V.M. Lisovyi, V.A. Kapustnyk, L. Y. Goncharenko, I. A. Taraban, I. A. Kryvoruchko, V. V. Makarov and others.; Eds. Corresponding Member of NAMSU Doctor of Medicine, Professor V.V. Boyko, Correspondent - ind Member of NAMSU Doctor of Medicine, Professor V.M. Lisovyi – Kh/. KNMU, 2019. - 494 p.

3. Urgent abdominal surgery. Textbook for students of medical universities (edited by I.A. Kryvoruchko and V.N. Lesovoy). Author. number Lesovoy V.N., Kryvoruchko I.A., Boyko V.V., Tonkoglas A.A., Teslenko S.N., Honcharova N.M., Zamyatyn P.N. Kharkiv, Shchedrayausadba Plus LLC, 2015. – 404 p.

4. Lyzogub M.V., Mykhnevich K.G., Kursov S.V.Yu.B. Grigorov and others. Emergencies and medical manipulations: a study guide for the preparation of students of higher medical educational institutions for the practical-oriented state exam in the specialties 7.110.101 "Treatment", 7.110.104 "Pediatrics", 7.110.104 "Medical and preventive care". Edited by V.A. Kapustnyk, A.A. Khizhnyak, M.O. Mikhulina. - Kh.: "New Word", 2009. - 286 p.

5. Boyko V.V., Goncharenko L.I., Taraban I.A., Groma V.G. / Classifications of surgical patients. Part I. Abdominal and thoracic pathology. Part II. Cardiac, vascular and outpatient pathology. // Methodical instructions for students of the medical faculty of intern doctors. - Kharkiv, KhNMU, 2009. - 74 p

6. Surgery. Part II Surgical gastroenterology and proctology: teaching. a guide for students of medical institutions. / I.A. Kryvoruchko, V.M. Lisovyi, V.V. Boyko, O.A. Tonkoglas. - Kharkiv: KhNMU, 2018. - 290 p.

7. Boyko V.V., Svyrebo P.V., Goncharenko L.I., Makarov V.V. / Ethics and deontology in surgery. Methodical instructions for students and intern doctors - Kharkiv: KhSMU, 2002. - 24 p.

8. Boyko V.V., Kryvoruchko I.A., V.N. Lesovoy, Zamyatin P.N., Polevoy V.P., Parashchuk Yu.S., Berezka N.N., Teslenko S.N. Guide to emergency abdominal surgery. - Kharkiv-Chernovtsy, 2009. - 514 p.

Recommended literature (Obstetrics and Gynecology)

1. Obstetrics and gynecology: in 2 books. : textbook. Book 1. Midwifery / V.I. Hryshchenko, M.O. Shcherbina, B.M. Ventskiivskyi et al. ; under the editorship V.I. Hryshchenko, M.O. Cracks – 3rd ed., corr. - K.: VSV "Medicine", 2017. - 424 p.

2. Obstetrics and gynecology: in 2 books: textbook. Book 2. Gynecology / V.I. Hryshchenko, M.O. Shcherbina, B.M. Ventskiivskyi et al. ; under the editorship V.I. Hryshchenko, M.O. Cracks – 2nd ed., corr. - K.: VSV "Medicine", 2017. - 376 p. + 8 s. color incl.

3. Basics of perinatal medicine / M.O. Shcherbina, O.O. Kuzmina // Study guide for students of higher educational institutions - medical universities, institutes and academies, Kyiv, VSV "Medicine", 2017 - 152 p.

5. Protocols for high-risk pregnant women: edited by JT Quinas, D. Hobbins, K. Spong / McMillan Children Foundation / Helping Children Around the World

6. Effective antenatal care: study guide / Collective of authors - K., 2012.

Recommended literature (Pediatrics):

Main:

1. Order No. 362 of the Ministry of Health of Ukraine "On approval of protocols for the diagnosis and treatment of cardiorheumatic diseases in children" dated July 19, 2005.

2. Order of the Ministry of Health of Ukraine dated October 22, 2012 No. 832 "Unified clinical protocol of medical care for children with juvenile arthritis"

3. Order No. 9 of the Ministry of Health of Ukraine "On approval of protocols for diagnosis and treatment of rickets in children" dated January 10, 2005.

4. Order No. 59 of the Ministry of Health of Ukraine "On the approval of unified clinical protocols of medical care for children with diseases of the digestive organs" dated January 29, 2013.

5. Order No. 868 of the Ministry of Health of Ukraine "Unified clinical protocol of primary, secondary (specialized) medical care for bronchial asthma in children" dated October 8, 2013

6. Order No. 670 of the Ministry of Health of Ukraine "Unified clinical protocol of primary, secondary (specialized), tertiary (highly qualified) medical care for atopic dermatitis in children dated July 4, 2016

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INFORMATION RESOURCES

Official evidence-based, practically-oriented medical information contained in the publications:

1. AMA (American Medical Association) <https://www.ama-assn.org/>
2. American Academy of Family Physicians <http://www.aafp.org/home.html>
3. American Academy of Pediatrics Policy (AAP Policy) Clinical Practice Guidelines <https://www.aap.org>
4. American College of Cardiology <http://www.acc.org/>
5. American College of Emergency Physicians <https://www.acep.org/>
6. American Heart Association <http://news.heart.org/>
7. BMJ Clinical Evidence <http://clinicalevidence.bmj.com>
9. Eastern Association for the Surgery of Trauma <https://www.east.org/>
10. European Pediatric Association, the Union of National European Pediatric Societies and Associations (EPA/UNEPSA) <http://www.epa-une psa.org/>
11. European Society of Cardiology <http://www.escardio.org/>
12. <http://www.mozdocs.kiev.ua>
13. Medscape from WebMD <http://www.medscape.com>
14. Medscape from WebMD <http://www.medscape.com>
15. National Comprehensive Cancer Network <https://www.nccn.org/>
16. National Guideline Clearinghouse <https://www.guideline.gov/>
17. National Institute for Health and Clinical Excellence (NICE) <https://www.nice.org.uk/>
18. Royal College of Physicians <https://www.rcplondon.ac.uk/>
19. The Association of the Scientific Medical Societies in Germany <http://www.awmf.org>
20. The Cochrane Collaboration The Cochrane Library
21. The European Society for Emergency Medicine <https://www.eusem.org/>
22. The Finnish Medical Society Duodecim <https://www.duodecim.fi/>
23. The French National Authority for Health <http://www.has-sante.fr/>
24. The National Association of Emergency Medical Technicians (NAEMT) <http://www.naemt.org/>
25. The National Association of State EMS <https://www.nasemso.org/>
26. The National Health and Medical Research Council (NHMRC) <https://www.nhmrc.gov.au>
27. Up To Date <http://www.uptodate.com>
- Western Trauma Association <https://westerntrauma.org/>