S	Syllabus of the discipline ''Pediatrics''				
individual profile course on choice: Surgery					
	1. General information				
Name of the facultyMedical faculty No.2					
Educational program	22 "Healthcare", 222 "Medicine", second level of higher education (Master's Degree), full-time education				
Academic year	2023/2024				
Name of discipline, code (e-mail	EB – 3.2				
address on the website of Danylo	3.2.3.1 PAEDIATRICS				
Halytsky LNMU)	Department of Padiatrics No. 2, 70050, Luiv, Palama Orlaha str. 4, rhono				
Department (name, address, telephone number,	Department of Pediatrics № 2, 79059, Lviv, Pylypa Orlyka str, 4, phone / fax: +38 (032) 2938250; <u>Kaf_pediatrics_2@meduniv.lviv.ua</u>				
e-mail)					
Head of the department (contact e-mail)	Prof. Lesya Besh +38 (032) 2938250 <u>lesya.besh@gmail.com</u>				
Studying year	6th				
Semester	11-12				
	an obligatory component of the educational and professional training				
Type of discipline / module	program				
Teachers	Sergiy Gerasymov, M.D., Ph.D., Associate Professor,				
reachers	dr.gerasimov@gmail.com				
	Oksana Matsyura M.D., Ph.D., Associate Professor,				
	omatsyura@gmail.com				
	Dmytro Dobryanskyy, MD, Professor,				
	dmytro_d@hotmail.com				
Erasmus yes\no	No				
The person responsible for the	Sergiy Gerasymov, Ph.D., Associate Professor				
syllabus	(dr.gerasimov@gmail.com)				
Number of credits ECTS	6				
Number of hours (lectures/	180 (0 - lectures/ 90 - practical classes/ 90 - independent work)				
practical classes/ independent					
work of students)					
Language of study	English				
Information about consultations	According to the schedule during the academic year				
Address, telephone number and	"Lviv City Children's Clinical Hospital " tel: +38 032 2931888				
work regulations of the clinical	"Western Ukrainian Specialized Children's Medical Center" tel: +38 032				
base	2702207				
	2. Short annotation to the course				

2. Short annotation to the course

General characteristics, brief description of the course, features, benefits

The discipline of Pediatrics is an obligatory component of the educational and professional training program. 6th year students differential diagnosis of a pulmonary, cardiovascular, gastro-intestinal, hepato-biliary, nephrological disorders, lymphoproliferative conditions. The course includes clinical issues on well child visits focusing on health maintenance with timely recognition of deviations from normal development milestones and immunization programs, integrated management of childhood illnesses. Academic curriculum ends with neonatal resuscitation and differential diagnosis of coma in children. During the course students will consolidate their knowledge gained during classes at the Department of Propaedeutics of Pediatrics, improve the methodology of physical examination of a child. They master basic skills of taking anamnesis, conduct the examination, systemize the symptoms in syndromes, plan examination of a sick child, interpret laboratory and instrumental tests, carry out a differential diagnosis of the most common pediatric diseases with typical course, make preliminary clinical diagnosis, setup of therapeutic approaches, prescribe treatment with drug dosages, develop emergency medical care plans, solve clinical cases, train practical skills on mannequins and at the bed of a sick child.

3. The purpose and objectives of the course

1. The objective describes a relationship between the program and content of the entire educational program. The purpose of teaching the educational discipline "Pediatrics" is development of the ability to use knowledge, skills to solve typical problems in the children's health field, the use of which is foreseen by defined list of syndromes and symptoms of diseases, emergency conditions, physiological conditions, and diseases requiring special tactics of patient management; laboratory and instrumental examinations, medical manipulations.

2. Learning objectives - provides information on the main objectives of the discipline. <u>The objectives</u> of the course is to develop students' knowledge of principles of differential diagnosis of the most common diseases in children, backup knowledge of newborn resuscitation, observation of the child at outpatient department, integrated management of childhood illnesses, and algorithms in pediatric coma and lymphoproliferative syndromes.

As a result of studying the discipline <u>the student should know</u>: subject area - differential diagnosis of the most common diseases in children, backup knowledge of newborn resuscitation, observation of the child at outpatient department, integrated management of childhood illnesses, and algorithms in pediatric coma and lymphoproliferative syndromes, understand the subject area and professional responsibility.

As a result of studying the discipline of "pediatrics" the student should be able to:

- Collect and analyze patient complaint data, medical history, life history according to according to established algorithms and evaluate the results of physical examination in the most common diseases of young and older children (SC1; PLR5) (SC - Special Competency, PLR - Program Learning Results)

- Identify the principal clinical symptom or syndrome for differential diagnosis. Make the preliminary and clinical and differential diagnosis (SC3; PLR4);

- Make the plan of investigation (laboratory, instrumental) of a sick child, interpret their results (SC2; PLR2);

- Develop management in metabolic and lymphoproliferative syndromes. (SC4; PLR5)

- Assign the appropriate therapeutic nutrition in the treatment of intestinal, hepatic, pancreatic and nephrological pathology (SC5; PLR10)

- Determine the principles of treatment (SC6; PLR14)

- Define the tactics of emergency medical care based on the diagnosis of emergency of the most common diseases of children (SC7; PLR14)

- Provide emergency medical care based on an emergency diagnosis (SC7; PLR14)

- Perform medical manipulations (SC10)

- Implement a complex of anti-epidemic and preventive measures within the primary health care. (SC13; PLR29)

The student should have the ability to:

- Abstract thinking (GC 1)
- Learn and master current knowledge (GC 2)
- Apply knowledge in practical situations (GC 3)
- Adapt and act in a new situation (GC 5)
- Make a substantiated decision (GC 6)
- Communicate in the English language (both verbal and in writing) (GC 9)

The student should demonstrate:

- Certainty and perseverance on the tasks and responsibilities (GC 12)
- Awareness of equal opportunities and gender issues (GC 13)
- The ability to exercise their rights and responsibilities as a member of society, to realize the values of civil (free democratic) society and the need for its sustainable development, the rule of law, human and civil rights (GC14)

The student should have the skills:

- Ability to search, process and analyze information from various sources (GC11)

3. Competences and learning results, the formation of which is facilitated by studying of the discipline (general and special competencies):

According to the standard of higher education, discipline provides students with *competences*:

<u>Integral competence</u> - an ability to solve complex problems in the field of professional medical activity, conduct original research and carry out research and innovative activity in the field of health care based on the deep rethinking of the existing and creation of a new holistic theoretical or practical knowledge and/or professional practice.

General:

- GC1 The ability to abstract thinking, analysis, and synthesis
- GC2 Ability to learn and master modern knowledge
- GC3 Ability to apply knowledge in practical situations
- GC4 Knowledge and understanding of subject area and understanding of professional activity
- GC5 The ability to adapt and act in a new situation
- GC6 Ability to make an appropriate decision
- GC7 Ability to work in a team
- GC8 Interpersonal skills interaction
- GC9 Ability to communicate in foreign language
- GC10 Skills in using information and communication technologies
- GC11 Ability to search, process and analyze information from various sources
- GC12 Certainty and perseverance on the tasks and responsibilities
- GC13 Awareness of equal opportunities and gender issues
- GC14 The ability to exercise their rights and responsibilities as a member of society, to realize the values of civil (free democratic) society and the need for its sustainable development, the rule of law, human and civil rights
- GC15 Ability to retain and develop moral, cultural, scientific values and achievements of society based on understanding the history and patterns of development of the subject area, its place in the general system of knowledge about nature and society and in the development of society, technology, use various types of physical activities for recreation and a healthy lifestyle

Special (Professional):

- SC1 Ability to collect medical information about the patient and analyze clinical data
- SC2 Ability to determine the required list of laboratory and instrumental studies and assess their results.
- SC3 The ability to establish preliminary and clinical diagnosis
- SC5 Ability to prescribe an appropriate diet in treatment and prevention of diseases
- SC6 Ability to determine the principles and type of treatment and prevention of diseases
- SC7 The ability to diagnose emergency conditions
- SC8 Ability to determine the tactics and implement emergency medical care
- SC10 The skills of performing medical manipulations
- SC11 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
- SC13 Ability to carry out sanitary and hygienic and preventive measures
- SC14 Ability to plan and carry out preventive and anti-epidemic measures for infectious diseases
- SC16 Ability to keep medical records, including electronic forms
- SC21 Clearly and unambiguously to convey own knowledge, conclusions and arguments on health care problems and related issues to specialists and non-specialists, in particular to people who are studying
- SC24 Adherence to ethical principles when working with patients
- SC25 Adherence to professional and academic integrity, be responsible for the accuracy of scientific results

4. Prerequisites of the course

Information on the disciplines, basic knowledge and learning results required for successful study and

acquisition of competencies in this discipline is indicated.

- Medical Biology
- Medical informatics
- Normal and Pathological Anatomy
- Normal and Pathological Physiology
- Histology, Cytology and Embryology
- Biological and bioorganic chemistry
- Microbiology, virology, and immunology
- Pharmacology
- Hygiene and Ecology
- Propaedeutic Pediatrics
- Nursing practice
- Radiology

5. Program learning results (PLR)

PLR 1. Have a thorough knowledge of the structure of professional activity. Be able to carry out professional activities that require updating and integration of knowledge. To be responsible for professional development, ability to further professional training with a high level of autonomy.

PLR 2. Understanding and knowledge of basic and clinical biomedical sciences, at a level sufficient to solve professional problems in the field of health care.

PLR 3. Specialized conceptual knowledge, which includes scientific achievements in the field of health care and is the basis for research, critical understanding of problems in the field of medicine and related interdisciplinary problems.

PLR 4. Identify and identify the leading clinical symptoms and syndromes; according to standard methods, using preliminary data of the patient's anamnesis, data of the patient's examination, knowledge about the person, his organs and systems, to establish a preliminary clinical diagnosis of the disease.

PLR 5. Collect complaints, life history and disease, assess the psychomotor and physical development of the patient, the state of organs and systems of the body, based on the results of laboratory and instrumental studies to assess information about the diagnosis, taking into account the patient's age.

PLR 6. Establish a final clinical diagnosis by making an informed decision and analysis of the obtained subjective and objective data of clinical, additional examination, differential diagnosis, adhering to the relevant ethical and legal norms, under the supervision of a physician-manager in a health care institution.

PLR 7. Order and analyze additional (mandatory and optional) examination methods (laboratory, functional and / or instrumental) for differential diagnosis of diseases.

PLR 9. To determine the nature and principles of treatment of patients (conservative, operative), taking into account the age of the patient, in a health care facility, outside it and at the stages of medical evacuation, including in the field, on the basis of a preliminary clinical diagnosis, adhering to the relevant ethical and legal norms, by making an informed decision on existing algorithms and standard schemes. If necessary to expand the standard scheme and justify personalized recommendations under the supervision of a physician.

PLR 10. To determine the necessary mode of work, rest and nutrition based on the final clinical diagnosis, adhering to the relevant ethical and legal norms, by making an informed decision according to existing algorithms and standard schemes.

PLR 12. Assess the general condition of the newborn child by making an informed decision according to existing algorithms and standard schemes, adhering to the relevant ethical and legal norms.

PLR 13. Assess and monitor the child's development, provide recommendations for breastfeeding and nutrition depending on age, organize preventive vaccinations on the calendar.

PLR 14. Define tactics and provide emergency medical care in emergencies for a limited time in accordance with existing clinical protocols and treatment standards.

PLR 17. Perform medical manipulations in a medical institution, at home or at work based on a previous clinical diagnosis and / or indicators of the patient's condition by making an informed decision, adhering to the relevant ethical and legal norms.

PLR 18. Evaluate the state of functioning and restrictions of life of the person and the duration of disability with the registration of relevant documents at health care institution on the basis of data on illness and its course, features of human professional activity, etc. Keep a medical document on the patient and a certain contingent of the population on the basis of regulatory documents.

PLR 20. Analyze the epidemiological condition and take measures of mass and individual, general and local prevention of infectious diseases.

PLR 21. Search for the necessary information in the professional literature and databases of other sources, analyze, evaluate and apply this information.

PLR 24. Organize the necessary level of individual safety (own and care persons) in the event of typical dangerous situations in the individual field of activity.

PLR 25. Clearly and unambiguously communicate knowledge, conclusions and arguments on health issues and related issues to professionals and non-specialists.

PLR 29. Plan, organize and conduct activities for the specific prevention of infectious diseases, including in accordance with the National Calendar of preventive vaccinations, both mandatory and recommended. Manage vaccine residues; organize additional vaccination campaigns, including immune-prophylaxis measures.

6.0 List of l	earning results	
Learning results code	The scope of the learning results	Reference to the code of the competence matrix
The code is	Learning outcomes determine what the student must know,	The symbol of the
created when the syllabus is	understand and be able to perform, after completing the discipline in accordance with the learning objectives.	code of the program learning results in
filling	To enroll in the discipline, it is necessary to confirm the	the Standard of
(category:	achievement of each learning result.	Higher Education
Kn -		
Knowledge,		
Sk- Skill,		
C-Competence,		
AR - Autonomy		
and		
Responsibility		PI D (
Kn-1	Have a knowledge of the structure of professional activity.	PLR1
Sk- 1	Be able to carry out professional activities that require updating and	
0.1	integration of knowledge.	
C-1	To be responsible for professional development, ability to further	
AR -1	professional training with a high level of autonomy.	PLR2
Kn- 2	Have knowledge in pharmacology, biochemistry, physiology,	PLK2
Sk- 2	pathology, microbiology, pediatric nursing, pediatric propedeutics Be able to make systematic physical examination	
SK- 2	be able to make systematic physical examination	
C-2	Be able to make preliminary and differential diagnosis	
AR -2	Be responsible for provision of quality standard care in pediatric	
AK -2	diseases	
Kn- 3	Specialized conceptual knowledge, which includes scientific	PLR3
11/1- 5	achievements in the field of health care and is the basis for research,	1 1/13
Sk- 3	critical understanding of problems in the field of medicine and	
	related interdisciplinary problems.	
<i>C-3</i>	Be able to apply current scientific advances in medical practice	
AR -3	rr y and a second s	
Kn- 4	Know the diagnostic algorithms for diseases; algorithms for	PLR4
	discrimination of major symptoms or syndromes; make preliminary	
	and final diagnoses; methods	
Sk- 4	Be able to make relevant decisions, highlighting of the main clinical	
	symptom or syndrome; be able to make the preliminary and final	
	clinical diagnosis	
<i>C-4</i>	According to the normative documents fill in medical	
	documentation of the patient (outpatient / inpatient records, etc.)	
AR -4	According to the ethical and legal norms, be responsible for making	
	reasonable decisions and actions concerning of the preliminary and	
	final clinical diagnosis accuracy	

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Kn-5	Demonstrate knowledge about child's body, anatomical and	PLR5
	physiological peculiarities of child's organs and systems at different ages, know the standard methods of interview, able to compile a	
	pedigree, perform physical examination, know stages and methods	
	of examination of psychomotor and physical development of the	
	child.	
Sk-5	To be able to talk to a child-and/or her parents (guardians), based on	
	algorithms and standards. Use the principles of communication with	
	the parents of children. Using standard techniques to carry out	
	physical examination of a patient. Be able to examine psychomotor	
	and physical development of the child.	
	Able to assess the quality of care and feeding of infants and	
	nutrition of children. Be able to conduct a comprehensive assessment of child health.	
	assessment of child health.	
C-5	Communicate effectively with patient and/or his parents (care	
	givers).	
	Transfer information about the child health to the relevant medical	
	documentation.	
AR-5	Be responsible for qualitative collection of information obtained	
	during conversation with patient, survey, examination, palpation,	
	percussion of organs and systems, timely assessment of the child's	
	health condition, psychomotor and physical development of the	
Kn-6	child and for taking appropriate measures. Know similar and different features of major pediatric diseases	PLR6
Sk-6	Establish a final clinical diagnosis by making an informed decision	1 1/10
<i>C-6</i>	and analysis of the obtained subjective and objective data of	
	clinical, additional examination, differential diagnosis, adhering to	
A R-6	the relevant ethical and legal norms, under the supervision of a	
	mentor physician in a health care institution.	
Kn-7	Know the standard methods of laboratory and instrumental research.	PLR7
C1 7	Be able to assign an appropriate laboratory and instrumental	
Sk- 7	examination of the patient by applying standard techniques, analyze the results of examination (laboratory and instrumental) and make	
	the results of examination (laboratory and instrumental) and make preliminary diagnosis	
	Create a list and inform the patient and/or his/her parents (care	
<i>C-7</i>	givers), experts about conclusions concerning the necessary list of	
	laboratory and instrumental tests	
	Be responsible for the decision concerning the evaluation of	
AR -7	laboratory and instrumental examinations results	
Kn-9	Know the nature and principles of treatment of patients	PLR9
SI- 0	(conservative, operative), taking into account the age of the patient,	
Sk- 9	in a health care facility, outside it and at the stages of medical evacuation, including in the field, on the basis of a preliminary	
	clinical diagnosis, adhering to the relevant ethical and legal norms,	
	by making an informed decision on existing algorithms and	
<i>C-9</i>	standard schemes.	
	Be able to expand the standard scheme and justify personalized	
	recommendations under the supervision of a physician.	
AR -9		
Kn – 10	Know the system of hygienic and preventive measures among the	PLR10
	population observed. Know the principles of organization of follow-	
	up of different groups of population, who are subject to supervision (newborns, children, teenagers).	
Sk - 10	Be able to setup groups of children for follow-up. Be able to plan	
54 - 10	be able to setup groups of children for follow-up. De able to plan	

	follow-up for different age groups. Know indicators for efficiency	
	of follow-up and rules of the reporting to the health authorities.	
	Know the methodical approaches to assess the environment for	
	pollution and the presence of factors which affect the health of the	
	population in this environment. Know principle of rational nutrition,	
	water supply, mode of activity and rest, forming a favorable work	
	environment, primary prevention of diseases and injuries; Principles	
	and methods of promoting healthy lifestyles	
C - 10	Based on the results of follow-up and analysis of children's health,	
	and environment know the principles of submitting analytical	
	information to local government and health authorities to eliminate	
	harmful effects on children's health.	
AR - 10	Be responsible for timely and qualitative activities on assessment of	
	the health of children, health improvement and improvement of the	
	health of certain contingents, improving the environment,	
	promoting healthy lifestyles, primary prevention of diseases and	
	injuries.	
Kn - 12	Know criteria for assessment of the general condition of the	PLR12
	newborn child. Know modern algorithms and standard schemes in	
CI 10	neonatology. Be aware of ethical and legal issues in neonatology.	
Sk - 12	Perform physical examination of a newborn	
C 12	Access the several condition of the newhorn shild be making on	
<i>C</i> - <i>12</i>	Assess the general condition of the newborn child by making an informed decision according to existing algorithms and standard	
	informed decision according to existing algorithms and standard	
AD 10	schemes, adhering to the relevant ethical and legal norms.	
AR - 12 Kn - 13	Be responsive for quality care in for newbornKnow monitoring of child's development, provide recommendations	PLR13
K <i>n</i> - 13	for breastfeeding and nutrition depending on age, management of	rlnij
	preventive vaccinations	
Sk - 13	Be able to assess the health of patients and the affected population;	
58 - 15	to organize medical examination of children who require	
	supervision.	
C - 13	Organize follow-up supervision of patients (secondary prevention of	
	diseases) and healthy persons who is subject to further follow-up	
	supervision (primary prevention of diseases).	
AR - 13	Be responsible for the quality of the organization of follow-up	
	supervision of certain groups of children.	
Kn - 14	Know the algorithms for providing emergency medical care in	PLR14
	emergencies	
Sk - 14	Be able to provide emergency medical care in most common	
	emergency conditions in children.	
<i>C - 14</i>	Explain the need and procedure for therapeutic measures of	
	emergency medical care.	
AR - 14	Be responsible for the timeliness and quality of emergency medical	
	care	
Kn - 17	Have specialized knowledge of algorithms for performing medical	PLR17
~ -	manipulations.	
Sk - 17	Be able to carry out medical manipulations	
C - 17	Formulate and inform the patient, and/or his parents (care givers)	
4 D 17	regarding the need for medical manipulations	
AR - 17	Be responsible for the quality of medical manipulations	DI D10
Kn - 18	Know functioning and restrictions of life of the person and the	PLR18
CL 10	duration of disability with the registration of relevant documents at	
Sk - 18	health care institution on the basis of data on illness and its course,	
<i>C</i> - <i>18</i>	features of human professional activity.	
	Be able to keep a medical document on the patient and a certain	

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AR - 18		opulation on the basis of regulatory		
	Be responsible for	protection of private medical inform	nation	
Kn - 20		of epidemiology and epi-/pand	lemic disease	PLR20
	prevention strategie			
Sk - 20	•	the epidemiological condition and		
<i>C</i> - <i>20</i>		dual, general and local preventior	of infectious	
	diseases.			
AR - 20		the local disease prevention		
Kn - 21	•	mation paid and free resources of	n the internet,	PLR21
GL 01	1. 0	d rules of electronic access	c · 1	
Sk - 21		for the necessary information in th	-	
<i>C</i> - 21		atabases, analyze, evaluate and	apply this	
AD 01	information	showing undered manfeedings inf		
AR - 21	-	sharing updated professional inf	ormation with	
V 74	colleagues	sional health protection measures		PLR24
Kn - 24	1	sional health protection measures the necessary level of individuation	al cafety (own	ГLК24
Sk - 24	Ū.	n the event of typical dangerous si	•	
<i>C</i> - 24	individual field of a			
C - 27		personal and patient safety.		
AR - 24	De responsible foi	personal and patient safety.		
Kn - 25	Know principles	of logical thinking and mak	ing informed	PLR25
M <i>n</i> - 23		ial vs non-essential information	ing informed	1 LIN25
Sk - 25	,	informed decision based on a set of	farguments	
<i>C</i> - 25		l produce competency toward clea	0	
AR - 25	statements		- protosolona	
Kn - 29		gy of the most common infect	ious diseases,	PLR29
	including preventable diseases, national schedule for vaccination of			
Sk - 29	children of various			
<i>C</i> - <i>29</i>	Be able and responsible to plan, organize and conduct activities for			
AR - 29	the specific prev			
	accordance with th			
	both mandatory a			
	organize additio			
	immunoprophylaxi			
	6. Format a	nd scope of the course		
Type of		Number of hours		Number of groups
activity				
Lectures (full-		0		x (foreigners)
time lesson)				
Workshops		90		x (foreigners)
(full-time				
lesson)		90		
Self-studying			x (foreigners)	
(full-time				
lesson)	7.	Tonics and contant of the com-	20	
Code of the		Topics and content of the cours		Teacher
Code of the	Topic	Content of the studying	Learning	1 eucher
type of the classes			results code	
Classes W-1	Differential	Leading clinical symptoms and	PLR 2, 4-7,	Sergiv Gergsumov
(workshop 1)	diagnosis of	Leading clinical symptoms and syndromes in different clinical	PLR 2, 4-7, 14, 17,	Sergiy Gerasymov Oksana Matsyura
(workshop 1)	pneumonia in	variants of pneumonia in	14, 17, 21,27	Oksana Waisyura
	children.	children. Results of laboratory	<i>21,21</i>	
	cinitateit.	children. Results of faboratory		

[1
	Complications of	and instrumental studies in		
	pneumonia. Acute	different clinical variants of		
	respiratory	pneumonia. Differential		
	disease COVID-	diagnosis of pneumonia,		
	19 in children.	bronchitis, and bronchiolitis in		
		children. Making a preliminary		
		diagnosis. Treatment of patients		
		with different clinical variants of		
		pneumonia. Prevention of		
		pneumonia and its complications		
		in children. Clinical presentation		
		and course of COVID-19.		
		Updated diagnosis and		
		management protocol. Prophylaxis. Differential		
		diagnoses in pleurisy, abscess,		
		pyothorax, and pneumothorax.		
		Clinical presentation and		
		laboratory evaluation.		
		Radiologic differences pleurisy,		
		abscess, pyothorax, and		
		pneumothorax. Assessment of		
		acute respiratory failure in		
		children. Severity staging. Blood		
		gases and base-acid balance.		
		Types and techniques of oxygen		
		therapy. Indications in advanced		
		respiratory support.		
W-2	Differential	Leading clinical symptoms and	PLR 2, 4-7,	Sergiy Gerasymov
W-2 (workshop 2)	diagnosis of	syndromes in bronchial asthma,	PLR 2, 4-7, 14, 17,	Sergiy Gerasymov Oksana Matsyura
	diagnosis of bronchial obstruction in	syndromes in bronchial asthma, bronchiolitis and acute obstructive bronchitis in	14, 17,	
	diagnosis of bronchial	syndromes in bronchial asthma, bronchiolitis and acute obstructive bronchitis in children. Peculiarities of asthma	14, 17,	
	diagnosis of bronchial obstruction in	syndromes in bronchial asthma, bronchiolitis and acute obstructive bronchitis in children. Peculiarities of asthma in children, depending on the	14, 17,	
	diagnosis of bronchial obstruction in	syndromes in bronchial asthma, bronchiolitis and acute obstructive bronchitis in children. Peculiarities of asthma in children, depending on the severity and level of control.	14, 17,	
	diagnosis of bronchial obstruction in	syndromes in bronchial asthma, bronchiolitis and acute obstructive bronchitis in children. Peculiarities of asthma in children, depending on the severity and level of control. Results of laboratory and	14, 17,	
	diagnosis of bronchial obstruction in	syndromes in bronchial asthma, bronchiolitis and acute obstructive bronchitis in children. Peculiarities of asthma in children, depending on the severity and level of control. Results of laboratory and instrumental studies in bronchial	14, 17,	
	diagnosis of bronchial obstruction in	syndromes in bronchial asthma, bronchiolitis and acute obstructive bronchitis in children. Peculiarities of asthma in children, depending on the severity and level of control. Results of laboratory and instrumental studies in bronchial asthma, bronchiolitis and acute	14, 17,	
	diagnosis of bronchial obstruction in	syndromes in bronchial asthma, bronchiolitis and acute obstructive bronchitis in children. Peculiarities of asthma in children, depending on the severity and level of control. Results of laboratory and instrumental studies in bronchial asthma, bronchiolitis and acute obstructive bronchitis and its	14, 17,	
	diagnosis of bronchial obstruction in	syndromes in bronchial asthma, bronchiolitis and acute obstructive bronchitis in children. Peculiarities of asthma in children, depending on the severity and level of control. Results of laboratory and instrumental studies in bronchial asthma, bronchiolitis and acute obstructive bronchitis and its complications. Differential	14, 17,	
	diagnosis of bronchial obstruction in	syndromes in bronchial asthma, bronchiolitis and acute obstructive bronchitis in children. Peculiarities of asthma in children, depending on the severity and level of control. Results of laboratory and instrumental studies in bronchial asthma, bronchiolitis and acute obstructive bronchitis and its complications. Differential diagnosis of asthma and	14, 17,	
	diagnosis of bronchial obstruction in	syndromes in bronchial asthma, bronchiolitis and acute obstructive bronchitis in children. Peculiarities of asthma in children, depending on the severity and level of control. Results of laboratory and instrumental studies in bronchial asthma, bronchiolitis and acute obstructive bronchitis and its complications. Differential diagnosis of asthma and bronchial obstruction versus	14, 17,	
	diagnosis of bronchial obstruction in	syndromes in bronchial asthma, bronchiolitis and acute obstructive bronchitis in children. Peculiarities of asthma in children, depending on the severity and level of control. Results of laboratory and instrumental studies in bronchial asthma, bronchiolitis and acute obstructive bronchitis and its complications. Differential diagnosis of asthma and bronchial obstruction versus acute respiratory infections in	14, 17,	
	diagnosis of bronchial obstruction in	syndromes in bronchial asthma, bronchiolitis and acute obstructive bronchitis in children. Peculiarities of asthma in children, depending on the severity and level of control. Results of laboratory and instrumental studies in bronchial asthma, bronchiolitis and acute obstructive bronchitis and its complications. Differential diagnosis of asthma and bronchial obstruction versus acute respiratory infections in children of all ages. Making the	14, 17,	
	diagnosis of bronchial obstruction in	syndromes in bronchial asthma, bronchiolitis and acute obstructive bronchitis in children. Peculiarities of asthma in children, depending on the severity and level of control. Results of laboratory and instrumental studies in bronchial asthma, bronchiolitis and acute obstructive bronchitis and its complications. Differential diagnosis of asthma and bronchial obstruction versus acute respiratory infections in children of all ages. Making the preliminary diagnosis.	14, 17,	
	diagnosis of bronchial obstruction in	syndromes in bronchial asthma, bronchiolitis and acute obstructive bronchitis in children. Peculiarities of asthma in children, depending on the severity and level of control. Results of laboratory and instrumental studies in bronchial asthma, bronchiolitis and acute obstructive bronchitis and its complications. Differential diagnosis of asthma and bronchial obstruction versus acute respiratory infections in children of all ages. Making the	14, 17,	
	diagnosis of bronchial obstruction in	syndromes in bronchial asthma, bronchiolitis and acute obstructive bronchitis in children. Peculiarities of asthma in children, depending on the severity and level of control. Results of laboratory and instrumental studies in bronchial asthma, bronchiolitis and acute obstructive bronchitis and its complications. Differential diagnosis of asthma and bronchial obstruction versus acute respiratory infections in children of all ages. Making the preliminary diagnosis. Treatment of patients with different clinical variants of	14, 17,	
	diagnosis of bronchial obstruction in	syndromes in bronchial asthma, bronchiolitis and acute obstructive bronchitis in children. Peculiarities of asthma in children, depending on the severity and level of control. Results of laboratory and instrumental studies in bronchial asthma, bronchiolitis and acute obstructive bronchitis and its complications. Differential diagnosis of asthma and bronchial obstruction versus acute respiratory infections in children of all ages. Making the preliminary diagnosis. Treatment of patients with different clinical variants of obstructive syndrome and its	14, 17,	
	diagnosis of bronchial obstruction in	syndromes in bronchial asthma, bronchiolitis and acute obstructive bronchitis in children. Peculiarities of asthma in children, depending on the severity and level of control. Results of laboratory and instrumental studies in bronchial asthma, bronchiolitis and acute obstructive bronchitis and its complications. Differential diagnosis of asthma and bronchial obstruction versus acute respiratory infections in children of all ages. Making the preliminary diagnosis. Treatment of patients with different clinical variants of	14, 17,	
	diagnosis of bronchial obstruction in	syndromes in bronchial asthma, bronchiolitis and acute obstructive bronchitis in children. Peculiarities of asthma in children, depending on the severity and level of control. Results of laboratory and instrumental studies in bronchial asthma, bronchiolitis and acute obstructive bronchitis and its complications. Differential diagnosis of asthma and bronchial obstruction versus acute respiratory infections in children of all ages. Making the preliminary diagnosis. Treatment of patients with different clinical variants of obstructive syndrome and its complications in children.	14, 17,	
	diagnosis of bronchial obstruction in	syndromes in bronchial asthma, bronchiolitis and acute obstructive bronchitis in children. Peculiarities of asthma in children, depending on the severity and level of control. Results of laboratory and instrumental studies in bronchial asthma, bronchiolitis and acute obstructive bronchitis and its complications. Differential diagnosis of asthma and bronchial obstruction versus acute respiratory infections in children of all ages. Making the preliminary diagnosis. Treatment of patients with different clinical variants of obstructive syndrome and its complications in children. Providing emergency assistance	14, 17,	
	diagnosis of bronchial obstruction in	syndromes in bronchial asthma, bronchiolitis and acute obstructive bronchitis in children. Peculiarities of asthma in children, depending on the severity and level of control. Results of laboratory and instrumental studies in bronchial asthma, bronchiolitis and acute obstructive bronchitis and its complications. Differential diagnosis of asthma and bronchial obstruction versus acute respiratory infections in children of all ages. Making the preliminary diagnosis. Treatment of patients with different clinical variants of obstructive syndrome and its complications in children. Providing emergency assistance in an asthma attack and status	14, 17,	
	diagnosis of bronchial obstruction in	syndromes in bronchial asthma, bronchiolitis and acute obstructive bronchitis in children. Peculiarities of asthma in children, depending on the severity and level of control. Results of laboratory and instrumental studies in bronchial asthma, bronchiolitis and acute obstructive bronchitis and its complications. Differential diagnosis of asthma and bronchial obstruction versus acute respiratory infections in children of all ages. Making the preliminary diagnosis. Treatment of patients with different clinical variants of obstructive syndrome and its complications in children. Providing emergency assistance in an asthma attack and status asthmaticus. Prevention of asthma and bronchial obstruction syndrome against	14, 17,	
	diagnosis of bronchial obstruction in	syndromes in bronchial asthma, bronchiolitis and acute obstructive bronchitis in children. Peculiarities of asthma in children, depending on the severity and level of control. Results of laboratory and instrumental studies in bronchial asthma, bronchiolitis and acute obstructive bronchitis and its complications. Differential diagnosis of asthma and bronchial obstruction versus acute respiratory infections in children of all ages. Making the preliminary diagnosis. Treatment of patients with different clinical variants of obstructive syndrome and its complications in children. Providing emergency assistance in an asthma attack and status asthmaticus. Prevention of asthma and bronchial	14, 17,	

W-3	Differential	I adjug alinical symptoms and	PLR 2, 4-7,	Sarain Cornermon
w-3 (workshop 3)	diagnosis of	Leading clinical symptoms and syndromes in chronic bronchitis,	PLK 2, 4-7, 14, 17,	Sergiy Gerasymov Oksana Matsyura
(workshop 5)	Ū.	-	14, 17, 21,27	Oksana Maisyura
	hereditary,	bronchiectasis, hereditary and	21,21	
	congenital, and chronic disease of	congenital diseases of		
		respiratory system (cystic		
	the	fibrosis, idiopathic pulmonary		
	bronchopulmonar	hemosiderosis, primary cilia		
	y system in	dyskinesia, a syndrome of		
	children.	Wilms Campbell		
		bronchomalacia, aplasia and		
		hypoplasia of the lungs, α1-		
		antitrypsin deficiency,		
		bronchopulmonary dysplasia,		
		sequestration lung) in children.		
		The results of laboratory and		
		instrumental studies in chronic		
		bronchitis, bronchiectasis,		
		hereditary and congenital		
		diseases of the respiratory		
		system and their complications.		
		Differential diagnosis of chronic,		
		hereditary, and congenital bronchopulmonary disease in		
		children. Clinical management		
		of patients with hereditary, congenital, and chronic		
		bronchopulmonary diseases and		
		their complications in children.		
		Prevention of hereditary,		
		congenital, and chronic		
		bronchopulmonary diseases in		
		children.		
W-4	Differential	Leading clinical symptoms and	PLR 2, 4-7,	Sergiy Gerasymov
(workshop 4)	diagnosis of	syndromes of congenital heart	1 LK 2, 4-7, 14, 17,	Oksana Matsyura
(workshop +)	congenital heart	disease in children. Data from	21,27	Oksalla Matsyura
	diseases in	laboratory and instrumental tests	21,27	
	children.	of congenital heart disease in		
	Therapeutic	children. Differential diagnosis.		
	approach, timing	Management plan.		
	and surgical	r		
	correction.			
W-5	Differential	Differential diagnosis in	PLR 2, 4-7,	Sergiy Gerasymov
(workshop 5)	diagnosis of	myocarditis, endocarditis,	14, 17,	Oksana Matsyura
· · · · ·	inflammatory	pericarditis. Emergency care for	21,27	-
	heart disease in	acute heart failure. Treatment		
	children.	and prevention of chronic heart		
		failure.		
W-6	Differential	Leading clinical symptoms and	PLR 2, 4-7,	Sergiy Gerasymov
(workshop 6)	diagnosis of	syndromes in juvenile	14, 17,	Oksana Matsyura
	systemic	rheumatoid arthritis, systemic	21,27	
	connective tissue	lupus erythematosus, acute		
	disease and	rheumatic fever,		
	systemic	dermatomyositis, scleroderma,		
	vasculitis in	Kawasaki disease, polyarteritis		
	children.	nodosa and other systemic		
1	1	vasculitis in children. Clinical		

		variants of the course and		
		complications of systemic		
		connective tissue diseases and		
		systemic vasculitis in children.		
		The results of laboratory and		
		instrumental studies in systemic		
		connective tissue diseases and		
		systemic vasculitis in children.		
		Differential diagnosis of		
		systemic connective tissue		
		diseases in children. Differential		
		diagnosis of arthritis in children.		
		Clinical management of patients		
		with systemic connective tissue		
		diseases and systemic vasculitis		
		in children. Primary and		
		secondary prevention of acute		
		rheumatic fever in children.		
W-7	Differential	Leading clinical symptoms and	PLR 2, 4-7,	Sergiy Gerasymov
(workshop 7)	diagnosis of	syndromes in functional and	14, 17,	Oksana Matsyura
	functional and	organic diseases of the digestive	21,27	
	organic diseases	system in children. Clinical and	7	
	of the digestive	instrumental tests and		
	system in	differential diagnosis. Tactics of		
	children.	children management.		
W-8	Differential	Differential diagnosis of	PLR 2, 4-7,	Sergiy Gerasymov
(workshop 8)	diagnosis of	abdominal pain. Diagnosis of	14, 17,	Oksana Matsyura
(workshop o)	abdominal pain in	complicated gastric ulcer in	21,27	OKsalla Matsyara
	children. Gastric	children, tactics of a general	21,27	
	bleeding.	practitioner, emergency care for		
	bleeding.	gastric bleeding in children.		
W-9	Differential	Leading clinical symptoms and	PLR 2, 4-7,	Sergiy Gerasymov
(workshop 9)	diagnosis of	syndromes in biliary dyskinesia,	14, 17,	Oksana Matsyura
(workshop))	disease of the	acute and chronic cholecystitis,	21,27	Oksalla Maisyura
	hepatic, biliary	acute and chronic pancreatitis,	21,27	
	system, and the	and chronic hepatitis in children.		
	pancreas in	Clinical variants of the course of		
	children.	biliary dyskinesia, acute and		
	Syndrome of	chronic cholecystitis, acute and		
	portal	chronic pancreatitis, and chronic		
	hypertension.	hepatitis in children. The results		
	• •	of laboratory and instrumental		
	Emergency care	•		
	in acute hepatic	studies in biliary dyskinesia,		
	failure.	acute and chronic cholecystitis,		
		acute and chronic pancreatitis,		
		and chronic hepatitis in children.		
		Differential diagnosis of biliary		
		dyskinesia, acute and chronic		
		cholecystitis, acute and chronic		
		pancreatitis, and chronic		
		hepatitis in children. Clinical		
		management of patients with		
		biliary dyskinesia, acute and		
		chronic cholecystitis, acute and		
		chronic pancreatitis, and chronic		
	i i i i i i i i i i i i i i i i i i i	hepatitis in children. Providing	1	

		• • •		
		emergency care in acute hepatic failure and complications of		
		portal hypertension syndrome.		
		Prevention of biliary dyskinesia,		
		acute and chronic cholecystitis,		
		acute and chronic pancreatitis,		
		and chronic hepatitis in children.		
W-10	Differential	Leading clinical symptoms and	PLR 2, 4-7,	Sergiy Gerasymov
(workshop 10)	diagnosis of	syndromes in inflammatory	14, 17,	Oksana Matsyura
	infectious and	diseases of the urinary system	21,27	5
	inflammatory	(urinary system infections,	7	
	disease of the	urethritis, cystitis,		
	urinary system in	pyelonephritis) dysmetabolic		
	children.	nephropathy. Clinical variants		
	••••••••	and complications of infectious		
		diseases of the urinary system,		
		interstitial nephritis. The results		
		of the laboratory and		
		instrumental tests. Differential		
		diagnosis of the most common		
		infectious diseases of the urinary		
		system. First aid in acute urinary		
		retention. Prevention of		
		urethritis, cystitis, pyelonephritis.		
W-11	Differential			Sarain Caragumon
		e	PLR 2, 4-7,	Sergiy Gerasymov
(workshop 11)	diagnosis of hereditary disease	symptoms and syndromes in	14, 17, 21,27	Oksana Matsyura
	of the urinary	dysmetabolic nephropathy, hereditary tubulopathy	21,27	
	•			
	system in children.	(phosphate diabetes, Syndrome Debre-de Toni-Fanconi, renal		
	ciniaren.	, , , , , , , , , , , , , , , , , , ,		
		diabetes insipidus, renal tubular acidosis) and interstitial		
		· · · · · · · · · · · · · · · · · · ·		
		nephritis in children. Clinical		
		variants of the course and		
		complications of hereditary		
		dysmetabolic tubulopathy in		
		children. The results of the		
		laboratory and instrumental tests		
		in dysmetabolic nephropathy		
		and hereditary tubulopathy in		
		children. Differential diagnosis		
		hereditary dysmetabolic		
		tubulopathy in children. Clinical		
		management of the sick child in		
		dysmetabolic nephropathy and		
		hereditary tubulopathy in		
*** 16	Dice i i	children.		
W-12	Differential	Clinical and morphological	PLR 2, 4-7,	Sergiy Gerasymov
(workshop 12)	diagnosis of	variants of primary	14, 17,	Oksana Matsyura
	glomerulonephriti	glomerulonephritis in children.	21,27	
	s in children.	Differential diagnosis of acute		
	Differential	post-streptococcal		
	approach to	glomerulonephritis with		
	treatment of	hereditary Alport nephritis,		
	glomerulonephriti	rapidly progressive		
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	s in children.	glomerulonephritis, Berger's		
	Acute and chronic	disease. Nephrotic syndrome in		
	renal failure in	children: Differential diagnosis,		
	children.	complications. Clinical variants		
	Management.	of chronic glomerulonephritis in		
	Emergency care.	children. Indications for renal		
	Differential	biopsy in children. Clinical		
	approaches to	management of the sick child in		
	treatment.	acute and chronic		
		glomerulonephritis. Tactics in		
		treatment of acute and chronic		
		glomerulonephritis in children.		
		Clinical supervision of children		
		with glomerulonephritis.		
		Prevention of chronic kidney		
		disease. Acute kidney injury		
		(acute renal failure) in children:		
		etiology, pathogenesis, clinical		
		and laboratory symptoms,		
		Differential diagnosis.		
		Emergency tactics of sick		
		children. Chronic renal failure.		
		Treatment approach. Prevention		
		of progression of chronic renal		
		failure.		
W-13	Differential		PLR 2, 4-7,	Saraiy Caragymay
		Laboratory evaluation in		Sergiy Gerasymov
(workshop 13)	diagnosis of	lymphadenopathy,	14, 17,	Oksana Matsyura
	lymphoproliferati	splenomegaly. Gastrointestinal	21,27	
	ve syndrome in	presentation and involvement of		
	children.	mediastinum. Immune		
		deficiency syndromes as a		
		background of		
		lymphoproliferative syndrome in		
		children. X-linked		
		lymphoproliferative disorders,		
		autoimmune lymphoproliferative		
		syndrome, primary immune		
		deficiencies, posttransplant		
		lymphoproliferative disorder.		
		Differential diagnosis in		
		pediatric non-Hodgkin		
		lymphoma.		
W-14	Medical	Procedure for obligatory	PLR 2, 4-7,	Sergiy Gerasymov
(workshop 14)	supervision of	preventive examinations of	14, 17,	Oksana Matsyura
	children in the	children under three years old.	21,27	
	first three years of	Efficient feeding and nutrition of		
	life in the	the child under three years old.		
	polyclinic setting.	Evaluation of physical and		
	Integrated	psycho-motor development of		
	management of	children up to three years.		
	childhood	Tactics of the general		
	illnesses.	practitioner in violation of		
		physical and neuropsychological		
		development of children during		
		the first three years of life.		
		Principles of effective		
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		counseling. Differential diagnosis and prevention of the most common deficient states (rickets, iron deficiency) in infants. Prophylactic vaccination of children up to three years. The strategy of integrated management of childhood illness and its purpose. Common signs of danger for the child. Evaluation, classification, treatment, consultation and follow-up for coughing, difficulty in breathing, diarrhea, problems with the ear, sore throat, fever, malnutrition and anemia, the presence of HIV infection in children from 2 months to 5 years. Evaluation, classification, treatment, consultation, and follow-up of children under the age of 2 months with jaundice, diarrhea, feeding problems and low birth weight, very severe illnesses, and local bacterial infection.		
W-15 (workshop 15)	Resuscitation of newborns.	Basic principles of newborn resuscitation. Indications for resuscitation. Anticipation of resuscitation need. Initial steps. Temperature control, clearing the airway, assessment of oxygen need and administration of oxygen, pulse oximetry, administration of supplementary oxygen, positive-pressure ventilation, initial breaths and assisted ventilation, end- expiratory pressure, assisted- ventilation devices, endotracheal tube placement, chest compressions, medications. Withholding and discontinuing resuscitation.	PLR 12, 14, 17, 21,27	Dmytro Dobryansky,
SS1 (self-studying 1)	Current aspects in antibiotic therapy in children.	Therapeutic range of antibiotic therapy. Types of antibiotic action modes. Pharmacokinetics, pharmacodynamics. Age- specific indications and contraindications and concomitant pathology.	PLR 2, 4-7, 14, 17, 21,27	Sergiy Gerasymov Oksana Matsyura
SS2 (self-studying 2)	Radiologic signs of pulmonary disease in children.	Radiological examination of respiratory organs in children. Differential diagnosis of the revealed radiological changes.	PLR 2, 4-7, 14, 17, 21,27	Sergiy Gerasymov Oksana Matsyura

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SS3 (self-studying 3) SS4 (self studying 4)	Differential diagnosis of pulmonary diseases in newborns.	Diagnostic approach for lung pathology in newborns. Assessment of the type and severity of respiratory disorders. Differential diagnosis. The main complications. Contemporary approaches to treatment. ECG changes in extrasystole,	14, 17, 21,27 PLR 2, 4-7,	Sergiy Gerasymov Oksana Matsyura Sergiy Gerasymov
(self-studying 4)	diagnosis of abnormal cardiac rhythm and conduction in children by ECG tracing.	paroxysmal tachycardia, atrial fibrillation, complete atrioventricular block. Clinical variants of the course of paroxysmal tachycardia and atrial fibrillation in children. Differential diagnosis of arrhythmias.	14, 17, 21,27	Oksana Matsyura
SS5 (self-studying 5)	Heart failure in children. Medicines used in pediatric cardiology.	Etiology of heart failure in children. Management.	PLR 2, 4-7, 14, 17, 21,27	Sergiy Gerasymov Oksana Matsyura
SS6 (self-studying 6)	Kawasaki disease in children: causes, symptoms, diagnosis and treatment.	Differential diagnosis of the disease and Kawasaki syndrome. Diagnostic approach, treatment, prognosis.	14, 17, 21,27	Sergiy Gerasymov Oksana Matsyura
SS7 (self-studying 7)	Differential diagnosis of arterial hypertension in children. Metabolic syndrome – diagnosis and management.	Evaluation of a pediatric patient with arterial hypertension. Correct measurement of blood pressure. Automated pressure blood pressure monitoring. Use of age and height distribution (percentile) tables for grading arterial pressure by the severity. Differential diagnosis in arterial hypertension. Evaluation of the target organs damage in arterial hypertensive drugs. Treatment of hypertensive crisis in a pediatric patient. Emergency care. Differential diagnosis of metabolic syndrome in children. Making clinical diagnosis. Management of metabolic syndrome. Prevention.	PLR 2, 4-7, 14, 17, 21,27	Sergiy Gerasymov Oksana Matsyura
SS8 (self-studying 8)	Differential diagnosis of malabsorption syndrome in children.	Malabsorption syndrome, clinical manifestations, causes. Current approaches to the diagnosis of malabsorption syndrome, treatment. Multidisciplinary approach.	PLR 2, 4-7, 14, 17, 21,27	Sergiy Gerasymov Oksana Matsyura
SS9 (self-studying 9)	Differential diagnosis of congenital	Anomalies of the development of the digestive system in children. Differential diagnosis.		Sergiy Gerasymov Oksana Matsyura

	malformations of	Interdisciplinary approach.		
	the	Surgical correction.		
	gastrointestinal	Management.		
	tract in children.			
SS10	Differential	Diagnostic approach to jaundice	PLR 2, 4-7,	Sergiy Gerasymov
(self-studying 10)	diagnosis of	in children of different age	14, 17,	Oksana Matsyura
	jaundice in	groups. Interdisciplinary	21,27	5
	children.	approach. Interpretation of the		
		results of laboratory and		
		instrumental examinations.		
		Management.		
SS11	Laboratory	Features of examination of the	PLR 2, 4-7,	Sergiy Gerasymov
(self-studying 11)	methods in	urinary system in children.	14, 17,	Oksana Matsyura
	pediatric	Contemporary methods of	21,27	
	nephrology.	imaging.		
	Radiologic			
	presentation of diseases of the			
	urinary system in			
	children.			
SS12	Illnesses	Differential diagnosis of	PLR 2, 4-7,	Sergiy Gerasymov
(self-studying 12)	accompanied by	hematuria in children.	14, 17,	Oksana Matsyura
	hematuria and	Diagnostic clues. Management.	21,27	5
	proteinuria in			
	children. Renal			
	replacement			
	therapy in			
	children.			
SS13 (colf studying 12)	Differential	Leading clinical symptoms and	PLR 2, 4-7,	Sergiy Gerasymov
SS13 (self-studying 13)	diagnosis of the	syndromes of hematological	14, 17,	Sergiy Gerasymov Oksana Matsyura
	diagnosis of the most common	syndromes of hematological diseases (anemia,		
	diagnosis of the most common hematological	syndromes of hematological diseases (anemia, thrombocytopenia and	14, 17,	
	diagnosis of the most common hematological diseases in	syndromes of hematological diseases (anemia, thrombocytopenia and thrombocytopathy,	14, 17,	
	diagnosis of the most common hematological	syndromes of hematological diseases (anemia, thrombocytopenia and thrombocytopathy, coagulopathy). Data from	14, 17,	
	diagnosis of the most common hematological diseases in	syndromes of hematological diseases (anemia, thrombocytopenia and thrombocytopathy, coagulopathy). Data from laboratory and instrumental	14, 17,	
	diagnosis of the most common hematological diseases in	syndromes of hematological diseases (anemia, thrombocytopenia and thrombocytopathy, coagulopathy). Data from	14, 17,	
	diagnosis of the most common hematological diseases in	syndromes of hematological diseases (anemia, thrombocytopenia and thrombocytopathy, coagulopathy). Data from laboratory and instrumental studies. Clinical variants of	14, 17,	
(self-studying 13)	diagnosis of the most common hematological diseases in	syndromes of hematological diseases (anemia, thrombocytopenia and thrombocytopathy, coagulopathy). Data from laboratory and instrumental studies. Clinical variants of course and complications.	14, 17,	
(self-studying 13)	diagnosis of the most common hematological diseases in children.	syndromes of hematological diseases (anemia, thrombocytopenia and thrombocytopathy, coagulopathy). Data from laboratory and instrumental studies. Clinical variants of course and complications. Management. Rational feeding and nutrition of a child under three years of life.	14, 17, 21,27	Oksana Matsyura
(self-studying 13)	diagnosis of the most common hematological diseases in children. Nutrition of children of the first years of life:	syndromes of hematological diseases (anemia, thrombocytopenia and thrombocytopathy, coagulopathy). Data from laboratory and instrumental studies. Clinical variants of course and complications. Management. Rational feeding and nutrition of a child under three years of life. Leading clinical symptoms and	14, 17, 21,27 PLR 2, 4-7,	Oksana Matsyura Sergiy Gerasymov
(self-studying 13)	diagnosis of the most common hematological diseases in children. Nutrition of children of the first years of life: intake of vitamins	syndromes of hematological diseases (anemia, thrombocytopenia and thrombocytopathy, coagulopathy). Data from laboratory and instrumental studies. Clinical variants of course and complications. Management. Rational feeding and nutrition of a child under three years of life. Leading clinical symptoms and syndromes in insufficiencies of	14, 17, 21,27 PLR 2, 4-7, 14, 17,	Oksana Matsyura Sergiy Gerasymov
(self-studying 13)	diagnosis of the most common hematological diseases in children. Nutrition of children of the first years of life: intake of vitamins and macro- and	syndromes of hematological diseases (anemia, thrombocytopenia and thrombocytopathy, coagulopathy). Data from laboratory and instrumental studies. Clinical variants of course and complications. Management. Rational feeding and nutrition of a child under three years of life. Leading clinical symptoms and syndromes in insufficiencies of vitamins and trace elements.	14, 17, 21,27 PLR 2, 4-7, 14, 17,	Oksana Matsyura Sergiy Gerasymov
(self-studying 13)	diagnosis of the most common hematological diseases in children. Nutrition of children of the first years of life: intake of vitamins and macro- and micronutrients	syndromes of hematological diseases (anemia, thrombocytopenia and thrombocytopathy, coagulopathy). Data from laboratory and instrumental studies. Clinical variants of course and complications. Management. Rational feeding and nutrition of a child under three years of life. Leading clinical symptoms and syndromes in insufficiencies of vitamins and trace elements. Diagnosis and principles of	14, 17, 21,27 PLR 2, 4-7, 14, 17,	Oksana Matsyura Sergiy Gerasymov
(self-studying 13) SS14 (self-studying 14)	diagnosis of the most common hematological diseases in children. Nutrition of children of the first years of life: intake of vitamins and macro- and micronutrients with food.	syndromes of hematological diseases (anemia, thrombocytopenia and thrombocytopathy, coagulopathy). Data from laboratory and instrumental studies. Clinical variants of course and complications. Management. Rational feeding and nutrition of a child under three years of life. Leading clinical symptoms and syndromes in insufficiencies of vitamins and trace elements. Diagnosis and principles of correction.	14, 17, 21,27 PLR 2, 4-7, 14, 17, 21,27	Oksana Matsyura Sergiy Gerasymov Oksana Matsyura
(self-studying 13) SS14 (self-studying 14) SS15	diagnosis of the most common hematological diseases in children. Nutrition of children of the first years of life: intake of vitamins and macro- and micronutrients with food. Asphyxia of	syndromes of hematological diseases (anemia, thrombocytopenia and thrombocytopathy, coagulopathy). Data from laboratory and instrumental studies. Clinical variants of course and complications. Management. Rational feeding and nutrition of a child under three years of life. Leading clinical symptoms and syndromes in insufficiencies of vitamins and trace elements. Diagnosis and principles of correction.	14, 17, 21,27 PLR 2, 4-7, 14, 17, 21,27 PLR 2, 4-7,	Oksana Matsyura Sergiy Gerasymov
(self-studying 13) SS14 (self-studying 14)	diagnosis of the most common hematological diseases in children. Nutrition of children of the first years of life: intake of vitamins and macro- and micronutrients with food. Asphyxia of newborns and	syndromes of hematological diseases (anemia, thrombocytopenia and thrombocytopathy, coagulopathy). Data from laboratory and instrumental studies. Clinical variants of course and complications. Management. Rational feeding and nutrition of a child under three years of life. Leading clinical symptoms and syndromes in insufficiencies of vitamins and trace elements. Diagnosis and principles of correction. Differential diagnosis of asphyxia and perinatal CNS	14, 17, 21,27 PLR 2, 4-7, 14, 17, 21,27 PLR 2, 4-7, 14, 17,	Oksana Matsyura Sergiy Gerasymov Oksana Matsyura
(self-studying 13) SS14 (self-studying 14) SS15	diagnosis of the most common hematological diseases in children. Nutrition of children of the first years of life: intake of vitamins and macro- and micronutrients with food. Asphyxia of newborns and perinatal CNS	syndromes of hematological diseases (anemia, thrombocytopenia and thrombocytopathy, coagulopathy). Data from laboratory and instrumental studies. Clinical variants of course and complications. Management. Rational feeding and nutrition of a child under three years of life. Leading clinical symptoms and syndromes in insufficiencies of vitamins and trace elements. Diagnosis and principles of correction. Differential diagnosis of asphyxia and perinatal CNS lesions in newborns. Diagnostic	14, 17, 21,27 PLR 2, 4-7, 14, 17, 21,27 PLR 2, 4-7,	Oksana Matsyura Sergiy Gerasymov Oksana Matsyura
(self-studying 13) SS14 (self-studying 14) SS15	diagnosis of the most common hematological diseases in children. Nutrition of children of the first years of life: intake of vitamins and macro- and micronutrients with food. Asphyxia of newborns and perinatal CNS lesions:	syndromes of hematological diseases (anemia, thrombocytopenia and thrombocytopathy, coagulopathy). Data from laboratory and instrumental studies. Clinical variants of course and complications. Management. Rational feeding and nutrition of a child under three years of life. Leading clinical symptoms and syndromes in insufficiencies of vitamins and trace elements. Diagnosis and principles of correction. Differential diagnosis of asphyxia and perinatal CNS	14, 17, 21,27 PLR 2, 4-7, 14, 17, 21,27 PLR 2, 4-7, 14, 17,	Oksana Matsyura Sergiy Gerasymov Oksana Matsyura
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(self-studying 13) SS14 (self-studying 14) SS15 (self-studying 15)	diagnosis of the most common hematological diseases in children. Nutrition of children of the first years of life: intake of vitamins and macro- and micronutrients with food. Asphyxia of newborns and perinatal CNS lesions: prevention, differential diagnosis and principles of treatment.	syndromes of hematological diseases (anemia, thrombocytopenia and thrombocytopathy, coagulopathy). Data from laboratory and instrumental studies. Clinical variants of course and complications. Management. Rational feeding and nutrition of a child under three years of life. Leading clinical symptoms and syndromes in insufficiencies of vitamins and trace elements. Diagnosis and principles of correction. Differential diagnosis of asphyxia and perinatal CNS lesions in newborns. Diagnostic	14, 17, 21,27 PLR 2, 4-7, 14, 17, 21,27 PLR 2, 4-7, 14, 17,	Oksana Matsyura Sergiy Gerasymov Oksana Matsyura

- ✓ visual (observation, illustration, demonstration);
- ✓ practical (near the patient's tub, work in the admission department, departments of functional diagnostics, rehabilitation, manipulation, on simulators, etc.);
- ✓ explanatory-illustrative or information-receptive, which involves the presentation of ready-made information by the teacher and its assimilation by students.

8. Verification of learning results

Current control is carried out during the training sessions and aims to check the assimilation of students' educational material (it is necessary to describe the forms of current control during training sessions). Forms of assessment of current educational activities should be standardized and include control of theoretical and practical training. For the final grade for the current educational activity a **4-th grade** (national) scale is used All types of work are considered in this case. The student should get an estimate from each topic and then it will be converted into points according to 200-point scale.

The student answers 10 MCQs (devoted to the topic of the lesson, format A). Right answers:

for 10-9 MCQs = 5 points; by 8-7 MCQs = 4 points; 6-5 MCQs = 3 points; 4 or less MCQs = 0 points.

Answers standardized questions, knowledge of which is necessary to understand the current topic.

Demonstrates knowledge and skills of practical skills in accordance with the topic of the workshop.

Solves a clinical case according to the topic of the lesson.

Criteria for evaluation of educational activities

Excellent ("5") – the student answered correctly 90-100% of the A format test (from the database "Step-2"). Correctly, clearly, logically corresponds to all standardized questions of the current topic.

Connects theory with practice and demonstrates the correct implementation of practical skills.

Fluent in interpretation of the laboratory test results, adepts at prescribing appropriate examination methods.

Makes differential diagnosis. Solves clinical case with higher level of difficulty and knows how to compile the material.

Good ("4") - the student answered correctly 70-89% of the of A format test (from the database "Step-2").

Correctly and essentially responds to all standardized questions of the current topic. Demonstrates knowledge of practical skills. Correctly uses theoretical knowledge in solving practical problems, conducts a differential diagnosis. Capable to solve easy and medium complexity clinical cases.

Possesses all necessary practical skills and techniques to perform their uses, more than the required minimum.

Satisfactory ("3") - the student answered correctly 50-69% of the A format test (from the database "Step-2").

Incomplete, with the help of additional questions answers all the standardized questions on the current topic. Cannot independently makes a clear logical answer. While the student is answering and demonstrating practical skills, he makes mistakes. Can solve only the easiest situational tasks. Has knowledge of only the minimum methods of investigations.

Unsatisfactory ("2") - the student answered correctly 50% of the test of A format.

Does not know the material of the current topic, cannot build a logical response, does not respond to additional questions, and does not understand the content of the material. Makes significant, gross mistakes when answering and demonstrating practical skills.

Evaluation of the students' independent work for preparation for the practical classes is carried out during the current control of the topic at the appropriate workshop.

Current control						
Learning results code	Code of the type	Verifying learning outcomes	Enrollment criteria			
	of the classes	method				
Kn-2, 4-7, 14, 17, 21,27,	W 1-15	Mastering of material is checked	Initial stage:			
Sk-2, 4-7, 14, 17, 21,27	SS -1-15	during practical classes in	10-9 MCQs = 5 points;			
C – 2, 4-7, 14, 17, 21,27		accordance with the topics.	by 8-7 MCQs = 4 points;			
AR -2, 4-7, 14, 17, 21,27		Current control is carried out at	6-5 MCQs = 3 points; 4			
		each practical lesson. The initial	or less $MCQs = 0$ points.			
		stage - answers to 10 test tasks.				
		In the first practical lesson, tests				
		test the knowledge of pediatrics in	Main stage:			
		the disciplines of prerequisites.	traditional grades of 5, 4,			
		The main part of the lesson is the	3, 2.			
		practical work of the student at	"5" - correct, clear logical			
		the bedside of a patient. A	answer to all standardized			

	situational tasks. The discusses and gives expla- emphasizes the features disease course in a p child, targets a more realization of this or that of examination, etc. The of this stage is carried ou teacher by assessing the s skills and abilities whe working with a sick child in the documentation, i the test results, etc.). At the final part of w students are giving an an clinical case. The teacher the results of the lesso students the task for ind work, points the key que the next topic and offers recommended literature study. Independent work (I performed by the	Studentstopic;correctcollectperformance of practicalthem,skillsskillsofmethodsofapart ofofotbyinterpretationofsurveypracticalresults;differentialtypicaldiagnosis.lecturer"4"-correctlyanations,essentiallyanations,essentiallyanations,essentiallyanations,essentiallyanations,essentiallyanations,essentiallyanations,essentiallyanations,essentiallyanations,essentiallyanations,essentiallyanations,essentiallyanations,essentiallyanations,essentiallyanations,essentiallyanations,essentiallyanations,essentiallyanations,essentiallyanations,essentiallyanationaldemonstratesthetheheby thedifferential diagnosis.students'"3" - incompletely, withen he isthehelp ofadditionald, fillingquestions, answers allnswer toclear, <td< th=""></td<>
		addition to considering in current classes, when it is performed or not at the
	Final control	
General evaluation system	Participation in the work d	luring the semester / credit
General cranation system	on a 200-p	0
Rating scales	traditional 4-point scale, multi-point	
Admission to final control	The student attended all practical	(laboratory, seminar) classes and
	received at least 120 point	
Type of final control	Methods of final control	<i>Enrollment criteria</i>
Credit	All topics for current control	The maximum number of points is

submitted. Grades from the 4-point scale are converted into points on a multi-point (200-point) scale in accordance with the provision "Criteria, rules and procedures for evaluating the results of student learning activities"	The minimum number of points is 120
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The calculation of points is carried out based on the student's grades according to the 4-th grads (national) scale during the study of the discipline, by calculating the arithmetic mean (AM) rounded up to two decimal places. Resulting value is converted into points according to multipoint scale as follows:

$$x = \frac{\text{CA} \times 200}{5}$$

9. Course policy

It is based on the full implementation of the curriculum of the course (attending workshops, working academic debts up, performing independent tasks), academic integrity, lack of plagiarism.

Observance of academic integrity by students:

- 1. Independent performance of educational tasks, tasks of current and final control of results;
- 2. Links to sources of information in the case of the use of ideas, developments, statements, information;
- 3. Observance of the legislation on copyright and related rights.
- 4. Providing reliable information about the results of their own (scientific, creative) activities, used research methods and sources of information.

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11. Equipment, logistics and software of the discipline / course

- Training program of the discipline
- Plans of practical classes, and independent work of students
- Methodical instructions for practical training for students
- Methodical instructions for practical training for teachers
- Methodical materials that provide independent work of the student
- MCQs and cases for practical classes

12. Additional information

Materials related to the educational and organizational process (thematic plan, schedule of classes, schedules of consultations and work up of missed classes) are available on the website of the department: Kaf pediatrics 2@meduniv.lviv.ua

Educational and methodical materials (topic guidelines) for preparation for practical classes, independent work, self-control, abstracts of lectures are available on the MISA platform in the section "Department of Pediatrics No2" on the website of LNMU named after Danylo Halytsky: http://misa.meduniv.lviv.ua/ login / index.php

The work plan of the student scientific group with the lists of student scientific society members are posted at the beginning of the academic year on the website of the department.

The person responsible for the syllabus Gerasymov SV, Ph.D., Associate Professor

Head of the Department Besh L.V., Doctor of Science, Professor