

THE MINISTRY OF HEALTH OF UKRAINE  
NATIONAL BOGOMOLETS MEDICAL UNIVERSITY

PEDIATRIC DEPARTMENT № 2

Vice-rector for scientific and pedagogical  
educational work



**WORKING PROGRAM**

**ON DISCIPLINE «CARE OF CHILDREN IN THE PEDIATRIC DEPARTMENT»**

**Educational-and-qualifying level: «master»**

**Qualification: «doctor»**

**Field of knowledge: 22 «Health care»**

**Specialty: 222 «Medicine»**

**For students of 2<sup>nd</sup> year of study,**

**studying on medical faculties: № 1, № 2, № 4, FTAFU, FTFS**

Discussed and approved on the Cyclic methodical commission on pediatric disciplines of the National Bogomolets Medical University

Protocol № 1 from « 29» August

2024

The Head, professor of the pediatric  
department №1

T.V. Pochinok

Discussed and approved on Cyclic methodical meeting on pediatric disciplines of the Bogomolets National Medical University

Protocol № 1 from August 29, 2024

The Head, professor of the pediatric department №1,

PhD



T.V.Pochinok

Discussed and approved on the meeting of the pediatric department №2

Protocol №1 from August 26, 2024

The Head of the pediatric department №2,  
Corresponding member of NAMS of Ukraine,

PhD, professor



O.P.Volosovets

**Working program of the discipline "Care of children in the pediatric department" for students of the 2<sup>nd</sup> year of medical faculties No. 1, No. 2, No. 4, FTAFU, FTSF of the 2<sup>nd</sup> year of education and qualification level "Master", qualification "doctor", field of knowledge 22 "Health care", specialty 222 "Medicine".**

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Protocol № 1 from « 26» August 2024

The Head of the pediatric department № 2,  
Corresponding member of the NAMS of Ukraine  
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## 1. The explanation note

The program is compiled in accordance with the following normative documents:

– Standard of higher education for the training of specialists of the second (master's) level of higher education, degree of higher education – master of medicine in field of knowledge 22 "Health care" with specialty 222 "Medicine" (Order of the Ministry of Education and Culture of Ukraine dated 08.11.2021 No. 1197

– Educational and professional program "Medicine" of the second (master's) level of higher education, specialty "222 Medicine", field of knowledge "22 Health care", qualification "Master of Medicine. Doctor", approved by the Academic Council of the NMU named after O.O. Bogomolets (protocol No. 11 dated April 22, 2021)  
<https://drive.google.com/drive/folders/1utw1Zl8Yo9UL0SqUiAqBe6ig2je7W-fJ>

Training in the specialty 222 "Medicine" is carried out for 6 years, of which the first 5 years are basic medical training.

The subject of study of the academic discipline is the rules of caring of children in the conditions of a pediatric hospital, ethical and deontological relations between the medical staff of the department with sick children and their relatives, as well as the medical and protective and anti-epidemic regimes of the children's hospital.

Interdisciplinary connections:

According to the curriculum, taking care of sick children in the IV semester, when the student has acquired relevant knowledge of the main basic disciplines: medical biology, medical and biological physics, human anatomy, physiology, bioorganic and biological chemistry, microbiology, virology and immunology, with which the production practice program is integrated. In turn, the practice of caring for patients forms the basis for the student's further study of clinical disciplines - propaedeutics of pediatrics, medical psychology, children's diseases, children's infectious diseases, oncology, anesthesiology and intensive therapy, which presupposes "vertical" integration with these disciplines and formation of skills of implementation of knowledge on pediatric care in the process of further study and professional activity.

The educational process is organized according to the credit and module system in accordance with the requirements of the Bologna Declaration. According to the experimental curriculum, 1 module (45 hours) is allocated for practice in caring for sick children, which makes 1.5 credits, 15 hours of which are classroom training (in the form of practical classes) and 30 hours are independent work of students. Medical practice in patient care is carried out in the pediatric department, directly during the IV academic semester. The childcare practice program is presented in one module divided into 5 topics.

**Module 1. Care of children in the conditions of the pediatric department**

**Content module 1. The place of a children's hospital in the structure of providing medical care to children. Functional duties of junior and senior medical staff and professional subordination in a children's hospital. Organization of children's hospital departments. Reception department. Infection control in a children's hospital.**

Basics of ethics. Moral and legal responsibility of a young specialist before society. Basic functional duties of junior medical staff in children's hospitals. Principles of professional subordination in the pediatrician - nurse-junior medical staff system. Structure and functions of a children's hospital. Functions of the reception department of a children's hospital. Hospitalization, sanitation and transportation of sick children. The concept of the peculiarities of the sanitary and hygienic and anti-epidemic regime in a children's hospital. Personal hygiene of medical staff.

**Content module 2. Peculiarities of the hygiene of children of different ages in a children's hospital. The primary toilet of a newborn. Disinfection and sterilization.**

Disinfection and sterilization of child's care items. Personal hygiene of children depending on gender and age in a children's hospital. Swaddling an infant. Hygienic and medical baths. Treatment of the umbilical wound. Treatment of the oral cavity in children with thrush (moliniasis). Change of underwear and bed linen.

**Content module 3. Accounting of drugs and rules of their storing. Peculiarities of drug administration in children. Care of patients with fever, thermometry carrying out. Use of enemas in children. Organization of children's nutrition in hospital conditions. The technique of conducting anthropometric measurements in children of different ages.**

Accounting and rules for storage of medicinal products. Care of patients with fever, thermometry. Use of enemas in children. Anthropometric studies in pediatrics. The technique of anthropometric measurements of body weight, height, head and chest circumferences. Peculiarities of nutrition organization for healthy children of different ages.

**Child care practice** is carried out through practical classes, independent work of students, and consultations. As far as during practice students get to know the clinic for the first time and need to communicate directly with sick children, the student's working day consists of two parts: 1) assimilation of theoretical material on the peculiarities of the work of a pediatric hospital and basic manipulations and their practice under the supervision of a teacher (in the form of practical classes - auditory part of practice); 2) independent work of students in the pediatric department and fixation of the received knowledge and skills (SIW – students' independent work).

### **Aim and main goals of the educational discipline**

1.1. The aim of teaching the educational discipline "Care of children in the pediatric department" is the formation of skills to apply knowledge of caring for sick children in the process of further education and professional activity.

1.2. The main goals of studying the discipline "Care of children in the pediatric department" are to acquire knowledge about:

- moral and deontological principles of a medical specialist and principles of professional subordination in pediatrics

- skills in the organization of sanitary and hygienic and anti-epidemic regimes in the conditions of the pediatric department
- skills of caring for sick children in the conditions of the pediatric department, performing the necessary medical manipulations. Accounting and rules of drugs storage. Peculiarities of drug administration in pediatric practice
- anthropometric measurements carrying out in children of different ages in the conditions of a pediatric hospital
- peculiarities of nutrition of children of different ages in the conditions of a pediatric hospital

## **2. Normative content of study:**

### **COMPETENCE**

#### **The integral competence**

The ability to solve the difficult tasks, including scientific and innovative ones, in the field of medicine . The ability to keep on studying with the high level of autonomy.

#### **The general competences**

1. The ability to consider abstractly, analyze and to synthesize (GC 1).
2. The ability to learn and gain the up-to-date knowledge (GC 2).
3. The ability to apply the experience in the practical cases (GC 3).
4. Knowing and understanding of the subject area and the understanding of the professional activity (GC 4).
5. The ability to adapt and to act in the unknown environment (GC 5).
6. The ability to make the reasonable decision (GC 6).
7. The ability to work in the team (GC 7).
8. Interpersonal communication skills (GC 8).
9. The ability to speak foreign language (GC 9).
10. The ability to use the information and communication technology (GC 10).
11. The ability to search information from different sources, work it up and to analyze this information (GC 11).
12. Certainty and persistence about assigned tasks and duties that were taken (GC 12).
13. Awareness of different chances and gender issues (GC 13).
14. The ability to realize your rights and duties as the member of society, to be aware of values of the civil (free democratic) society and the necessity of its sustainable development, the rule of law, human and freedom rights and rights of the citizen of Ukraine (GC 14).
15. The ability to preserve and multiply moral, cultural, scientific values and achievements of society relying on the history and patterns of development of the subject area, its place in the general system of knowledge about the nature, society and in the development of society, technologies; the ability to provide different types of active recreation and to maintain healthy lifestyle (GC 15).

#### **Special (professional, substantive) competences**

1. The ability to gather medical information about patient and to analyze clinical data (PC 1).
2. The ability to determine the nature of the diet during the treatment and prevention of an illness (PC 5).
3. The ability to diagnose the emergency case (PC 7).
4. The ability to perform medical manipulations (PC 10).
5. The ability to solve medical issues, having the lack of information, in the unknown environment and at the same time taking social and ethical aspects of responsibility into account (PC 11).
6. The ability to carry out sanitary and hygienic and preventive measures (PC 13).
7. The ability to plan and carry out preventive and anti-epidemic measures regarding infectious diseases (PC 14).
8. The ability to provide medical documentation, including electronic forms (PC 16).

9. The ability to determine the impact of environment, socioeconomic and biological determinants on the health of individual, family and population (PC 17).
10. To share your own knowledge, conclusions, argumentations in health care issues and related questions to specialists and non-specialists, in particular to individuals who are studying clearly and unambiguously (PC 21).
11. Compliance with ethical principles when working with patients and laboratory animals (PC 24).
12. Observance of professional and academic integrity, be responsible for reliability of the obtained scientific results (PC 25).
13. The ability to carry out scientific and/or scientific-pedagogical actions in the field of healthcare system (PC 26).

### **3. Structured plan of nursing practice for students of medical faculties**

Structure of practice	Quantity of hours out of which:			Year of study	Type of control
	Total/credits	Auditory work	SIW		
Module 1	45 / 1,5	15	30	2	
Content module 1	18 / 0,6	6	12		Tests, control of practical skills, situational tasks
Content module 2	9 / 0,3	3	6		Practical skills control, tests, situational tasks
Content module 3	18 / 0,6	6	12		Practical skills control, tests, situational tasks

Note: 1 ECTS credit = 30 hrs. Auditory work makes 33 % and students' independent work – 67 %

### **4. PROGRAM CONTENT**

#### **Module 1. Care of children in the conditions of the pediatric department**

**Content module 1. Pediatric department place in the structure of pediatric medical aid providing. Functional duties of junior and senior medical staff and professional subordination in the pediatric department. Organization of work in the pediatric departments. Admission department. Infectious control in the pediatric department.**

**Topic 1. Pediatric department place in the structure of pediatric medical aid providing. Functional duties of junior and senior medical staff and professional subordination in the pediatric department.**

Concrete aims:

- To demonstrate mastering medical deontology principles
- To estimate the content of care of sick children and its role in the treatment measures structure
- To know main functional duties of senior and junior medical staff in the pediatric department

- To know main principles of professional subordination in the system pediatrician – senior medical nurse – junior medical nurse
- To be able to fill in medical documentation of the pediatric department
- To know children's hospital structure and functions.

The role of caring for sick children in the medical and diagnostic process. Moral-ethical and deontological principles of formation of a pediatric medical specialist. Reception and registration of patients

**Topic 2. Organization of work in the children's hospital departments. Admission department. Infectious control in the pediatric department.**

Concrete aims:

- To know functions of the admission department in the pediatric hospital
- To know the peculiarities of children's admission to the hospital
- To be able to fill in medical documentation of different departments of the children's hospital
- To know peculiarities of the child's sanitary-and-hygienic procession
- To know main principle of sick children transportation
- To know about the protective and sanitary-hygienic regimes of the children's hospital
- To demonstrate mastering the skills of adhering to sanitary-hygienic and anti-epidemic regime in a pediatric hospital
- To demonstrate the personal hygiene skills of medical staff.

Functions of the admission department of the hospital in the reception process and referral of patients to pediatric departments. Sanitary and hygienic regime of the admission department, sanitary and hygienic treatment of a sick children. Rules for filling medical documentation in (patient admission register, inpatient medical card, statistical card). Structure of a pediatric hospital. Main departments and auxiliary units. Examination of the child for pediculosis and scabies. Treatment of a child when pediculosis and scabies are detected. The concept of medical and protective, sanitary and hygienic regimes, features of their implication in a children's hospital. Concept of personal hygiene of medical staff.

**Content module 2. Basic measures of pediatric care in the children's hospital.**

**Topic 3. Peculiarities of hygiene in children of different age and taking care of them in the children's hospital. Primary toilet of newborns. Disinfection and sterilization.**

Concrete aims:

- To demonstrate mastery of personal hygiene skills implementation for children 1 year old
- To demonstrate skills of taking care of children in a children's hospital
- To know about the use of hygienic and therapeutic baths
- To be able to change children's underwear and bedclothes
- To carry out disinfection of beakers, thermometers
- To be able to disinfect bottles and pacifiers
- To demonstrate the ability to process pots, toys and changing tables
- To perform the primary toilet of a newborn.

Personal hygiene of children, depending on gender and age. Swaddling an infant, care for the skin, eyes, nose, and ears of 1 year old children. Taking care of the umbilical wound. Care of the child's oral cavity with candidiasis. Hygienic and medical baths. Change of underwear and bed linen: peculiarities of its carrying out in seriously ill children.

**Content module 3. Accounting and rules for storage of drugs. Peculiarities of drug administration in children. Care of patients with fever, thermometry carrying out. Enemas carrying out in children.**

**Topic 4. Accounting and rules of storage of drugs. Care of patients with fever, thermometry carrying out. Enemas carrying out in children.**

Concrete aims:

- To demonstrate the ability to care for children with fever
- To be able to measure the temperature of children of different ages
- To know about the main types of enemas and be able to perform them for children of different ages.

Care of children with fever, features of temperature measurement in children of different ages. Rules for storage and use of drugs in a children's hospital. Accounting for strong-active and narcotic substances and their storage rules. The technique of administration of different forms of drugs: tablets, powders, mixtures, syrups, solutions for internal use to a child. The technique of using suppositories for rectal administration. Peculiarities of using eye and ear drops in children. Peculiarities of inhalation for young children. The main types of enemas, methods and rules for their administration to children of all ages.

**Topic 5. Medical nutrition administration in the pediatric department. Anthropometric measurements carrying out in children of different age.**

Concrete aims:

- To be able to carry out anthropometric measurements to children of different age
- To be able to organize nutrition of healthy infants of the first year of life
- To be able to organize medical nutrition of children elder than 1 year
- To be able to correctly organize severely sick children nutrition.

The procedure for using different types of body weight measuring devices.

Types of devices for measuring body length of children of different ages. The technique of measuring head and chest circumferences. Rules for breastfeeding children. The technique of feeding a child of the first year of life from a bottle and using a spoon. Technique of preparation of milk mixtures. Organization of nutrition in the conditions of a pediatric hospital.

## **5. Structure of summarizing credit “CARE OF CHILDREN IN THE PEDIATRIC DEPARTMENT”**

Topic	Auditory work (practical classes)	Independent work	Individual work
<b>Content module 1. Pediatric department place in the structure of pediatric medical aid providing. Function of junior and senior medical staff and professional subordination in the pediatric department. Organization of pediatric departments. Admission department. Infectious control in the pediatric department</b>			
Peculiarities of deontology in the work of medical workers, with children and their relatives. The main professional duties of junior staff in pediatric hospitals. Principles of professional subordination in the system of pediatricians - senior medical staff - junior medical staff. Medical documentation. Structure and functions of a pediatric hospital. Admission department of the children's hospital.	3	6,0	Preparation and communication with children (1 hour during independent work)
Hospitalization, sanitation and transportation of sick children. Organization of sanitary and hygienic and anti-epidemic regime. Disinfection and sterilization of child's care items. Personal hygiene of medical staff.	3	6,0	
<b>Content module 2. Basic measures of care of children in the pediatric department</b>			
Personal hygiene of children, depending on gender and age. Swaddling an infant, care of the skin, eyes, nose, and ears of 1 year old children. Primary toilet of a newborn, care of the umbilical wound. Treatment of the child's oral cavity affected with candidiasis. Hygienic and medical baths. Change of underwear and bed linen. Peculiarities of its implementation in seriously ill children.	3	6,0	
<b>Content module 3. Accounting and rules for storage of drugs. Peculiarities of drug administration in children. Care of patients with fever, thermometry carrying out. Enemas carrying out in children.</b>			

Topic	Auditory work (practical classes)	Independent work	Individual work
Care of children with fever, features of temperature measurement in children of different ages. Rules for storage and use of medicines in a children's hospital. Accounting for strong-active and narcotic substances and their storage rules. The technique of applying tablets, powders, mixtures, syrups, solutions for internal use to a child. The technique of using suppositories for rectal administration. Peculiarities of using eye and ear drops in children. Peculiarities of inhalation for young children. The main types of enemas, methods and rules for their administration to children of all ages.	3	6,0	
Organization of children's nutrition in hospital conditions. Anthropometry in children. The procedure for using different types of body weight measuring devices. Types of devices for measuring body length of children of different ages. The technique of measuring head and chest circumferences. Rules for breastfeeding children. The technique of feeding a child of the first year of life from a bottle and using a spoon. Technique of preparation of milk mixtures. Organization of nutrition in the conditions of a pediatric hospital	3	6,0	Anthropometric measurements carrying out in children of different age and report on a practical class (1 hour during independent work)
<i>Differential exam</i>			
<i>Total hours 45</i>	15	30	2
			30
<i>ECTS credits – 1,5</i>			

Auditory work – 33 %, student's independent work – 67 %.

1,5 CREDITS (45 hrs) out of which 15 hrs – auditory work and 30 hrs. – SIW = 5 auditory classes with 3 hours duration (5 weeks; 3 hours per week)

### **PLAN OF PRACTICAL LESSONS FOR STUDENTS OF THE 2ND COURSE " CARE OF CHILDREN IN THE PEDIATRIC DEPARTMENT "**

Nº	Topic	Hours
1.	Place of the pediatric hospital in the structure of medical aid providence. Functional duties of junior and senior medical staff and professional subordination in the pediatric hospital	3

2.	Organization of medical departments work. Admission department. Infectious control in the pediatric department	3
3.	Peculiarities of hygiene at different age. Taking nursing care of children in the pediatric hospital conditions. Primary toilet of newborns. Disinfection and sterilization	3
4.	Accounting and rules for drugs storage. Care of patients with fever, thermometry carrying out. Enemas carrying out in children.	3
5.	Medical nutrition organization in the pediatric department. Anthropometric measurements technique in children of different age.	3
<b>TOTALLY</b>		<b>15</b>

1,5 CREDITS (45 hours), out of which: 15 hrs. – auditory work and 30 hrs. – SIW = 5 auditory classes with 3 hrs of duration (5 weeks; 3 hours per week).

## 7. PLAN OF PRACTICAL TRAINING OF STUDENTS IN PATIENT CARE IN THE PEDIATRIC HOSPITAL.

(total number of hours during practical classes and independent work)

№	Content of practical training	topic number, during the study of which a practical skill is worked out	Number of hours		
			Practical lessons	Indivi dual work	I n to ta l

**Content module 1. The place of a children's hospital in the structure of providing medical care to children. Functional duties of junior and middle medical staff and professional subordination in a children's hospital. Organization of children's hospital departments. Reception department.**

### Infection control in a children's hospital.

1.	Formation of communication skills with hospital medical staff by sick children and their relatives  Preparation and holding of conversations with sick children	1	3,0	4,0	7,0
2	Work in the reception department of a children's hospital:  Filling out the documentation of a nurse in the hospital reception department Examination for pediculosis and scabies and sanitary treatment of sick children Transportation of sick children in a paediatric hospital Process baby care items after use	2	3,0	5,0	8,0

<b>Content module 2. The main activities of caring for children in a children's hospital.</b>					
3.	<p>Prepare the appropriate means and demonstrate the technique of swaddling a newborn baby on a dummy.</p> <p>Prepare appropriate tools and demonstrate on a dummy the method of washing a child depending on gender and conducting a hygienic bath.</p> <p>To prepare the appropriate means and to demonstrate on a dummy the technique of toileting the eyes, ears, and oral cavity of a child of the first year of life.</p> <p>Prepare appropriate means and demonstrate on a dummy the toilet technique of treating an umbilical wound</p>	3	3,0	5,0	8,0
<b>Content module 3. Accounting and rules for storing medicinal products. Peculiarities of drug administration in children. Care of patients with fever, thermometry. Use of enemas in children. Organization of children's nutrition in hospital conditions. The technique of conducting anthropometric measurements in children of different ages.</b>					
4.	<p>Prepare the necessary equipment for a cleaning enema for a child of different ages, demonstrate the method of its application on a dummy.</p> <p>Demonstrate possible options and measure temperature in children of different ages</p>	4	3,0	5,0	8,0
5.	<p>Measure the growth of children of different ages.</p> <p>Measure the child's weight depending on age</p> <p>Measure the circumference of the head, chest, back, thigh, and lower leg</p> <p>Preparation of milk mixture</p> <p>The technique of feeding infants from a bottle and a spoon.</p>	5	3,0	6,0	9,0
	<b>Total hours</b>		<b>15</b>	<b>25</b>	<b>40</b>

## **8. THE PLAN OF STUDENTS INDEPENDENT WORK DURING PRACTICING ON TAKING CARE OF CHILDREN IN THE PEDIATRIC DEPARTMENT**

<b>№</b>	<b>Content</b>	<b>Hours</b>	<b>Type of control</b>
1.	Mastering practical skills according to the plan of practical preparation of student (column – students' independent work)	23	Current control on practical classes
2	Filling in an appropriate documentation – the diary on medical practice and summarizing report	5	Current control
3.	Individual work:		
	Preparation to and communication with sick children	1,0	Current control
	Carrying out of anthropometric measurements in children of different ages and report on a practical class	1,0	Current control on practical classes
	<b>Totally</b>	<b>30</b>	

## **9. THE LIST OF PRACTICAL SKILLS ON MEDICAL PRACTICE “CARE OF CHILDREN IN THE PEDIATRIC DEPARTMENT”**

1. To conduct questioning of the sick child and fill in the title page of the medical case report.
2. To process children's care items after their use.
3. To examine the child for scabies and pediculosis.
4. To prepare the appropriate means and demonstrate the ability to prepare milk mixture.
5. To prepare the appropriate means and demonstrate on a dummy the method of feeding a child of the first year of life with the help of a bottle.
6. To prepare appropriate means and demonstrate on a dummy the method of washing and hygienic bath carrying out in a child depending on his gender and age.
7. To prepare appropriate means and demonstrate on a dummy the method of toileting the eyes, ears, and oral cavity of a child of the first year of life.
8. To change the underwear and bed linen of the severely sick child.
9. To prepare the necessary equipment for cleansing enema carrying out in children of different ages and to demonstrate the procedure on a dummy.
10. To demonstrate possible methods of measuring a child's temperature and the ability to record the results in a temperature sheet.
11. To prepare the appropriate means and demonstrate the technique of swaddling a newborn child on a dummy.
12. To prepare an appropriate means and to demonstrate on a dummy anthropometric measurements technique.

## **10. FORMS OF CONTROL AND ASSESSMENT CRITERIA**

Forms of control and the evaluation system are carried out in accordance with the requirements of the industrial practice program "Care of sick child" and the Instruction on the evaluation system of students' educational activities under the credit-module system of organization of the educational process, approved by the Ministry of Health of Ukraine.

The mark for the module is defined as the average grade of the current educational activity (in points), the student's individual work, on a 200-point scale, and the final module control mark (in points), which is made during the assessment of practical skills in accordance with the list determined by the program.

The maximum number of points the student can receive for module #3 makes 200 points.

Current control is carried out in accordance with specific goals during each of the practical classes and during independent work in the department of the hospital. For control, it is recommended to use the following tools for diagnosing the level of students' training: control of the performance of practical skills, solving situational problems and test-control of theoretical training.

The current assessment of students on the relevant topics is carried out according to the traditional 4-point system (excellent, good, satisfactory, unsatisfactory) with subsequent conversion into a multi-point scale.

The grade "excellent" is given in the case when the student knows the program in its entirety, illustrating the answers with various examples; gives comprehensively accurate and clear answers without any directing questions; teaches the material without mistakes and inaccuracies; freely solves problems and performs practical tasks of varying degrees of complexity;

The grade "good" is given when the student knows the entire program and understands it well, answers the questions correctly, consistently and systematically but not completely, his answers on additional questions are with no mistakes; student solves all tasks and performs all practical tasks, experiencing difficulties only in the most difficult cases;

The grade "satisfactory" is assigned to the student on the basis of his knowledge of the entire volume of the program on the subject and a satisfactory level of its understanding. The student is able to solve modified (simplified) tasks with the help of leading questions; solves problems and performs practical skills, experiencing difficulties in simple cases; he is not able to give an answer systematically on his own but answers correctly with the help of directing questions.

An "unsatisfactory" grade is made in cases where the student's knowledge and skills do not meet the requirements for a "satisfactory" grade.

Assessment of students' knowledge on practical classes is fulfilled in a form presented below.

Initial level of student's knowledge is checked up with the help of test control.

The student's readiness for class (initial stage) is checked based on answers to 10 test tasks. On the first practical class, these questions are included into the final control. For a correct answer to 9-10 tests, the student receives 5 points; for 8-7 correct answers – 4 points, for 6-5 – 3 points, 4-0 tests 0 points. The main stage of practical training involves the work on practical skills. The questioning is rated as "5", "4", "3". To assess the student's mastery on the topic, he is asked to answer a situational problem. If the problem is solved correctly, the student gets 5 points, if it is solved with mistakes - 4 points, if it is not solved - 0 points. The class is graded on a standard scale.

The student's individual work (writing abstracts, making instructions, preparing and holding conversations with sick children, conducting anthropometric measurements in children of different ages) is evaluated with an average score.

Tests, tasks, practical skills, individual work of the student are evaluated with an average score: "5", "4", "3". One mark on a standard scale is given for the lesson.

Class	1	2	3	4	5	Individual work	SIW
№ of topic	1	2	3	4	5		

<b>Standard mark</b>	"5"; "4"; "3"; "2";						
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Assessment of students' independent work. Independent work of students, which is provided for in the topic, along with an auditory work, is evaluated during the current control of the topic on the corresponding class.

The average grade from a 4-point scale is recalculated on a 200-point scale.

The maximum number of points that a student can score for the current educational activity makes 200 points. It is made by calculating the average score and recalculating it on a 200-point scale (adding the number of points corresponding to the grades in each practical lesson, for individual work (max. 5 points) and for the student's practical activity (max. 5 points).

The minimum number of points that a student can score for the current educational activity is 111 points. It is calculated by calculating the average score on a 4-point scale and recalculating it into 200-point scale, adding up the number of points that correspond to the grades in each practical lesson, for individual work (min. 3 points) and for the student's practical activity (min. 3 points).

One of the activities of the student and his control by the teacher is the maintenance of the Medical Practice Protocol (Appendix 1), which is filled out by the student every day and signed by the teacher after the completion of the independent part of the student's work in the hospital. At the end of the practice, the student fills out the Final Report on the work performed (Appendix 2). The presence of the protocol and the final report completed and certified by the teacher's signature is mandatory.

**"Passed" "Not passed" is awarded to students who have completed the practical training program "CARE OF CHILDREN IN THE PEDIATRIC DEPARTMENT" and have properly prepared reporting documents (Protocol and Final Report).**

"Care of patients" (current educational activity, individual work and independent work of the student) makes 200 points.

The maximum number of points that a student can receive for practice "Care of patients" (current educational activity, individual work and independent work of the student) makes 200 points. The minimum number of points that a student can receive for industrial practice makes 111 points.

#### **Conversion of points for nursing practice into ECTS and 4-point (traditional) scales**

The number of points on the discipline received by students is converted to the ECTS scale as follows:

<b>ECTS mark</b>	<b>Statistical index</b>
<b>A</b>	The best 10% of students
<b>B</b>	The next 25% of students
<b>C</b>	The next 30% of students
<b>D</b>	The next 25% of students
<b>E</b>	The last 10% of students

Percentage of students is estimated on the sample for students of the course within the corresponding specialty.

<b>ECTS mark</b>	<b>Mark according to 4-point scale</b>
<b>A</b>	"5"
<b>B, C</b>	"4"
<b>D, E</b>	"3"
<b>FX, F</b>	"2"

The grade FX, F ("2") is assigned to students who have not been credited with the practice module "Care of patients" after its completion.

The grade FX ("2") is given to students who have scored the minimum number of points for the current educational activity, but the practice module "Care of patients" has not been credited after its completion. They have the right to repeat the final module control no more than twice according to the schedule approved by the rector.

Students who receive F grade on a completed nursing practice (failure to complete the curriculum or fail to obtain the minimum number of credits for the current curricular activity) must retake the practicum. The decision is taken by the management of the higher education institution in accordance with the regulatory documents approved in accordance with the established procedure.

## **11. Methodical supply**

1. Practical classes methodical guidelines for teacher.
2. Methodical guidelines for students.
3. Variants of tasks for initial level of knowledge control.
4. Variants of situational tasks for the control of assimilated knowledge

The development of structured situational tasks and practical tasks used to diagnose the success of the study is based on the list of questions and practical skills that the student must master when studying module No. 3 of the discipline "Care of patients (Practice)". The sets of practical tasks are formed from a list of practical skills that the student should master during the study of the discipline, which are practical works standardized according to the fulfillment method.

## **12. THE LIST OF EDUCATIONAL AND METHODICAL SOURCES**

### **Main source:**

1. Tiazhka O.V., Antoshkina A.M., Vasiukova M.M. etc. "Principles of pediatric nursing. Techniques for medical procedures and manipulations: The study guide for second-/third-year students of higher medical education establishments of the 3rd—4th levels of accreditation" – K.: «Медицина», 2016. – 152 pp.

### **Additional sources:**

1. Glasper EA, Richardson J, Randall D. "A Textbook of Children's and Young People's Nursing, 3rd Edition", Elsevier, 2021, 746 pp.
2. Hockenberry MJ, Wilson D, Rodgers CC. "Wong's Essentials of Pediatric Nursing, 11th Edition", Mosby, 2021, 1168 pp.
3. Edwards SL, Coyne I. "A Nurse's Survival Guide to Children's Nursing - Updated Edition, 1st Edition", Elsevier, 2019, 592 pp.

### **Informational resources:**

1. Intravenous injection technique: <https://www.youtube.com/watch?v=bu5zgfZFViY>
2. Intravenous injection technique 2: <https://www.youtube.com/watch?v=HBTgSajFAeM>
3. Intramuscular injection: <https://www.youtube.com/watch?v=7ZJmHViJilI>
4. Subcutaneous injection: <https://www.youtube.com/watch?v=VikRTpwgyeo>
5. Intradermal injection: <https://www.youtube.com/watch?v=f3w-MlDAdg0>
6. Child's nose hygiene techniques: <https://www.youtube.com/watch?v=amdvL45f6hg>
7. Eyedrops putting technique: <https://www.youtube.com/watch?v=d3wtEWX7HxU>
8. Cutting the child's nails: <https://www.youtube.com/watch?v=1JqeippSKGQ>
9. Gastric lavage technique: <https://www.youtube.com/watch?v=AKsBL2-R7mI>
10. Bathing a newborn baby: <https://www.youtube.com/watch?v=0GfOv7XvKYM>
11. Rectal enema technique: [https://www.youtube.com/watch?v=VjqbHI\\_0x4o](https://www.youtube.com/watch?v=VjqbHI_0x4o)
12. Umbilical cord cut: <https://www.youtube.com/watch?v=VyZBbR3-AZU>

### Appendix 1

#### **PROTOCOL**

Of medical practice on pediatric nursing

student, II course

faculty

group

\_\_\_\_\_  
(Full name)

Place of practice carrying out:

Department: \_\_\_\_\_

Clinical basis: \_\_\_\_\_

Date, hours of work *	Content of the completed work **	Teacher's signature ***
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\* hours of work during auditory study and independent preparation are given separately

\*\* a list of performed manipulations and tasks is provided with an indication of their number in brackets, ward numbers or the name of the division of the department where they were directly performed

\*\*\* the performance of manipulations and tasks during auditory training is certified by the signature of the teacher, during independent work - by the senior nurse of the department.

## Appendix 2

### SUMMARIZING REPORT

Of the completed during medical practice work on care of sick children in the volume of the junior medical staff duties

Student of II course	faculty	group
	(Full name)	

Place of practice carrying out:

Department: \_\_\_\_\_

Clinical base: \_\_\_\_\_

Nº	Manipulations and procedures	Minimum	Completed
1.	Sanitary and hygienic procession of the units	3	
2.	Filling in of documentation in the admission department	2	
3.	Examination of children for scabies and pediculosis	3	
4.	Transportation of sick children in the departments	2	
5.	Anthropometric measurements performance	4	
6.	Questioning of sick children	4	
7.	Procession of child's care items after their use	6	
8.	Milk formula preparation	2	
9.	Feeding of infants from bottle and with the help of spoon	2	
10.	Washing of children dependently on their gender	4	
11.	Thermometry carrying out	6	
12.	Temperature sheets filling in	6	

13.	Carrying out of hygienic care of eyes, ears and oral cavity in children of the 1 <sup>st</sup> year of life	4	
14.	Other (to indicate)		

Teacher's signature \_\_\_\_\_