

**MINISTRY OF HEALTH OF UKRAINE  
DANYLO HALYTSKY LVIV NATIONAL MEDICAL UNIVERSITY**

**CLINICAL PRACTICAL TRAINING  
IN THE FAMILY OUTPATIENT DEPARTMENT FOR MEDICAL CARE OF  
CHILDREN AND ADOLESCENTS  
For the 5<sup>th</sup> year students of Medical Faculty**

Study Guide

Lviv - 2022

Edited by the first Vice-rector from scientific and pedagogic work in Danylo Halytsky Lviv National Medical University MD, Corresponding Member of the National Academy of Medical Sciences M.R. Gzegotsky

**Contributors:**

MD, Prof. N.M. Gromnatska, MD, Prof. O.N. Nadashkevich, FD, Assoc. Prof. N.B. Yarko

**Reviewers:**

MD, Prof., Head of the Department of Pediatrics №2 Danylo Halytsky Lviv National Medical University L.V. Besh

MD, Professor, Head of the Department of Propaedeutics of Pediatrics and Medical Genetics, Danylo Halytsky Lviv National Medical University O.L. Lychkovska

Approved by Session of Pediatric CMC in Danylo Halytsky Lviv National Medical University. Protocol №6 dated 30.03.2022.

## **CLINICAL PRACTICAL TRAINING IN THE FAMILY OUTPATIENT DEPARTMENT FOR MEDICAL CARE OF CHILDREN AND ADOLESCENTS**

The methodical recommendation “Clinical practical training in the family outpatient department for medical care of children and adolescents” for the students of 5th course of higher medical institutions, educational and qualification level "Master", field of knowledge 22 “Health Protection”, Specialities: 220 “Medicine”, and 228 “Pediatrics” was created as the study of principles of physician practice in family medicine department for children and adolescent medical care.

### **A student in passing the practical training must:**

- to get before practice of the chief of the University department of practical training advice on the duration of training, documentation, methodical recommendations, etc.;
- by the dean to get referral to hospital for practical training;
- in time to arrive at the base of practice;
- fully perform all the tasks stipulated in the methodical recommendation and practices of its supervisors;
- study and strictly follow the rules of protection of labour, a safety at hospital, and productive sanitation;
- carry out current rules and labour regulations at hospital;
- be responsible for his work and its results;
- keep a daily reports of clinical practice, reporting other documentation provided by the program of practice;
- write report about the performance of all tasks.

At the end of clinical practice takes place on the last day of practice after its termination, when the student must give to teacher - supervisor of clinical practical training report of tasks according to the Program of clinical practice signed by teachers of medical department.

## **CLINICAL PRACTICAL TRAINING “PHYSICIAN PRACTICE IN FAMILY MEDICINE DEPARTMENT”**

The primary purpose and the main task of provision of clinical practice of students in the V year of medical faculty is enhancement of knowledge and practical skills, acquired at the study of basic clinical and theoretical disciplines and their subsequent deepening and improvement during the practice in medical-prophylactic establishment. In addition, acquaintance with the work of a physician in the conditions of the future sphere on the basis of city and regional medical-prophylactic centres, organization of medical and epidemiological work, with the basics of ethical and medical deontology for the acquisition and strengthening of sanitary-educative skills, on the base of organization of health protection.

Clinical practical training in the skills of general medicine – family doctor during one weak in the family medicine department. Practical training consists of daily work (7 hours) in outpatient department: outpatient examination of children

and adolescents, giving medical care for children at home and one duty in the department of emergency care.

During the practical training in the outpatient department students need to learn the methods of work of the family doctor and doctors of other specialities of paediatric profile and gain practical experience in the following directions for future professional activity:

- the organization of the medical work in the working conditions of outpatient department of regional, or city hospital doctor;
- treatment of patients at home and in the day hospital clinics, providing them with emergency assistance;
- early diagnosis of diseases with use of available in the clinic methods;
- clinical surveillance of the population in order to identify risk-factors for different diseases and their prevention;
- clinical picture and symptoms of the basic diseases' course;
- treatment of the most widespread pediatric diseases;
- basics of organization of health's protection: vaccination;
- dispancerization of children with the aim of evaluation of different diseases and there prevention;
- rehabilitation of sick children with a wide use of available rehabilitation methods;
- choice of children for sanatorium treatment;
- solve the problems of temporary disability;
- write medical documentation;
- planning, calculation and analysis of the physician work effectiveness;
- strengthening sanitary-educational working skills and principles of healthy life among population.

Throughout the practiced time it is the independent duties and work of students that is being controlled and graded by teachers of the professional departments.

During outpatient examination of children and adolescents student conduct questioning and physical investigation of the patients and analyze their results; plan the schedule of investigations according to the features of the clinical course of the disease; analyze results of the basic laboratory and instrumental methods of investigation; assign the main pathological symptoms and syndromes of the most widespread diseases; perform differential diagnosis and appoint preliminary diagnosis of the most widespread diseases; interpret the general principles of treatment, rehabilitation, and prophylactics of the most widespread diseases; perform the necessary medical manipulations; write medical documentation: prescriptions, letter of temporary disability, directions to different investigations and consultations of specialists, sanatorium cards, etc. The questions of disability expertise must be solved. Students examine and treat children with Covid-19.

If additive laboratorial, functional and X-ray examinations, consultations of specialists are necessary student is going with patient and take place in examinations. After ambulatory patients admission every student with physician makes 3-4 visits to patients at home (primary, secondary, preventive). Visits are made at the day when the information about sick child is received. In the outpatient card "The history of

child's individual development" (f.112/o) the student registrate the results of patient examination and prescribe treatment.

During the work in outpatient department student must study principles of dynamic observation. He chooses and carries out dynamic observation of children, according to medical and social criteria, prescribes treatment, preventive and rehabilitative actions, conducts a dynamic observation, fills the accounting, reporting documentation and documentation, needed for dynamic observation of children, examines the performance of prevention medical examination, study effectiveness of dynamic observation by calculating the range of enveloped children and activity of dynamic observation.

Students and physicians participate in the work of physician control committee: study complete guidance and criteria of invalidity, principles of temporary disability expertise.

Together with a doctor student provide emergency care for children and study principles of emergency pediatric care at the prehospital stage.

### **A LIST OF THE KNOWLEDGE, ABILITIES AND SKILLS WHICH MUST ACQUIRE A STUDENT DURING CLINICAL PRACTICAL TRAINING**

*Table 1*

| №  | Contents of clinical practical training  |
|----|--|
| 1. | Conducting medical admission of children and adolescents in the clinic under the supervision of general practice-family doctor. Interviewing (life history and history of disease) and physical examination (palpation, percussion, auscultation) of children with different internal pathologies with family doctor or pediatrician.  |
| 2. | The formulation of clinical diagnosis according to the protocols of the Ministry of Health of Ukraine.   |
| 3. | Arrange of the medical passport of the medical district (f. 75/o), medical district journal, journal of doctor calls to home, least of daily registration of observed patients, monthly plan of physician work, medical card (f.112/o), statistic cards for registration of final diagnosis (f.025/o), urgent report about patients with infectious disease (f. 058/o), least of temporary disability, prescription for paid and unpaid medications, control card of dispensary obligation (f.030/o), sanatorium certificates and cards. |
| 4. | Medical care for sick children at home under the control of the doctor of general practice – family doctor or pediatrician.  |
| 5. | Organization of home hospital: the necessary laboratory and instrumental examinations and consultations of specialists, treatment of sick children at home.  |

|     |   |
|-----|---|
| 6.  | Daily outpatient clinic management under the control of the physician.  |
| 7.  | Emergency care at home and in the outpatient department, indication to urgent hospitalization in outpatient practice. Study of screening and rules of hospitalization of children in urgent need.   |
| 8.  | Duty under control of a physician in the emergency room. Performing of first aid in internal medicine. First aid for pediatric patients under ambulatory conditions and at home. Assistance to district pediatrician or family doctor in delivery of urgent care at prehospital stage in conditions: acute cardiovascular and breathing insufficiency, anaphylactic shock, convulsive syndrome, poisoning, etc. |
| 9.  | Diagnosis and treatment of the most common pediatric illnesses in outpatient settings. Indication to scheduled and urgent hospitalization in outpatient practice.   |
| 10. | Dynamic monitoring of sick and disabled children (registration according to nosology, performance of observation, treatment, consultation of specialists).  |
| 11. | Complete the route of health-improvement measures, nutrition, sanatorium choice in different diseases of children.  |
| 12. | Care of healthy child. Assessment of physical, mental, motor and social development of child. Estimation of a child health. Nutritional consultation of a healthy child. Participation in a prophylactic measures and follow - up of children with a common pediatric diseases.   |
| 13. | Participation in pediatric vaccination at outpatient department. Indications and contraindications to vaccination against tuberculosis, pertussis, diphtheria, tetanus, rubella, mumps, measles, Hemophilus influenzae, poliomyelitis. Follow-up, assessment, and management for vaccination reactions.   |
| 14. | Diagnosis, prevention and treatment of rickets in children.   |
| 15. | Diagnosis, prevention and treatment of anemia in children and adolescents.  |
| 16. | Diagnosis, prevention and treatment of acute respiratory disease in children.   |
| 17. | Diagnosis, prevention and treatment of pneumonia in children and adolescents.   |
| 18. | X-ray department. Interpretation of instrumental investigations in pediatrics: analysis of the of X-ray films and fluoroscopy.  |
| 19. | Functional diagnosis department. Interpretation of instrumental investigations in pediatrics: ultrasound examination, computer tomography   |

|     |  |
|-----|--|
|     | scan, magnetic resonance imaging, upper fibrogastroduodenoscopy, endoscopy, colonoscopy, fraction investigation of gastric secretion, Ph-metry of the stomach secretion, colonoscopy, etc.   |
| 20. | Recording of ECG and reading results, measure of blood pressure, monitoring of ECG and blood pressure by Holter.   |
| 21. | Work in the laboratory. Study of the methods of carrying out of the results of laboratory investigations: general analysis of the blood, biochemical analysis of the blood, analysis of urine, urine samples by Zemnytski and Nechiporenko, analysis of the stool for worms eggs, coprogram, analysis of faeces for disbacteriosis, analysis of sputum, ascites and pleural liquid, stomach and biliary tract secretion. |
| 22. | Participation in the work of children`s specialists: rheumatologist, cardiologist, endocrinologist, gastroenterologist, pulmonologist.   |
| 23. | Work in the department of physical rehabilitation of the hospital.   |
| 24. | Mastering the principles of ethics and deontology in the practice of general practice – family doctor or pediatrician.   |

### **CONTROL QUESTIONS FOR DIFFERENTIAL CONTROL IN PRACTICE WORK OF THE STUDENT IN THE PEDIATRIC OUTPATIENT DEPARTMENT**

1. Acquaintance with the structure and organization of medical and preventive child health care; principles of work.
2. Records complaints, anamnesis, provides objective examination of the patients: observation, palpation, percussion, auscultation.
3. Estimation of physical, mental, motor and social development of the child.
4. Provide diagnosis, plan of examination and treatment, evaluates results of laboratory and instrumental methods of investigation, completes case histories and records.
5. Provides medical assistance to children at home under the supervision of pediatrician or doctor of general practice - family doctor, visiting sick children at home.
6. Acquaintances with organization of feeding of infants and young children.
7. Makes patronage work to newborns.
8. Gets experience of the first aid in paediatric emergency care at home and in outpatient department conditions: acute cardiovascular and breathing insufficiency, anaphylactic shock, convulsive syndrome, poisoning, etc.
9. Interprets the results of clinical, laboratory and instrumental examination of the patient.
10. Fills up case histories: anamnesis of life and disease, plan of investigation and treatment,

summary of case history; writes out prescription forms.

11. Become proficient in medical manipulations: collects patient's blood sample for biochemical tests, makes intravenous, intramuscular and subcutaneous injections of medications;

12. Record and interpret electrocardiograms; echocardiograms, participate in veloergometry, spirogram, ultrasound examination of abdominal organs (defines undertested organ and describe examination data: size, structure of gallbladder, liver, spleen, pancreas and kidneys), X-ray examination, fluorography, computer tomograph scan, magnetic resonance imaging, and other examinations recordings, measures blood pressure, observes the ultrasound examination; performs stomach and duodenal probing and other practical skills according to the list.

13. Provides medical care in a day-care clinics under the supervision of the doctor of day-care clinic.

14. Provides home hospital, organize the necessary additional examination and consultations at home.

15. Perform preventive vaccination: pertussis, diphtheria, tetanus, measles, rubella, mumps, tuberculosis, Haemophilus influenzae, Mantoux test.

16. Participates department chief's and ward doctor's consultations, outpatient clinical conferences and postmortem conferences in the department.

17. Improves skills of patient's and parent's communication.

### **STRUCTURE OF PRACTICE “CLINICAL PRACTICE IN OUTPATIENT DEPARTMENT PROVIDING MEDICAL CARE TO CHILDREN AND ADOLESCENTS”**

*Table 2*

| <b>№</b> | <b>Contents of Clinical practical training</b>   | <b>Hours</b> |
|----------|--|--------------|
| 1.       | The structure and organization of the department of family medicine. Interviewing and physical examination of children with different internal pathologies. Diagnosis and treatment of the most common pediatric illnesses in outpatient settings. Indication to scheduled and urgent hospitalization in outpatient practice. Work in the laboratory, X-ray room and in the functional diagnosis room. Interpretation of laboratory and instrumental investigations in pediatrics: interpretation of X-ray films and fluoroscopy, ultrasound examination, computer tomograph scan, upper gastroenterology endoscopy, colonoscopy, etc. | 7            |
| 2.       | First aid for pediatric patients under ambulatory conditions and at home. Assistance to district pediatrician in delivery of urgent care at prehospital stage in conditions: acute cardiovascular and breathing insufficiency, anaphylactic shock, convulsive  | 7            |



|                              |   |            |
|------------------------------|---|------------|
|                              | syndrome, poisoning, etc.   |            |
| 3.                           | Care of healthy child. Assessment of physical, mental, motor and social development of child. Estimation of a child health. Nutritional consultation of a healthy child. Participation in a prophylactic measures and follow - up of children with a common pediatric diseases. | 7          |
| 4.                           | Participation in pediatric vaccination at outpatient clinic. Indications and contraindications to vaccination. Follow-up, assessment, and management for vaccination reactions. Mastering the principles of ethics and deontology in the practice of pediatrician.              | 7          |
|                              | Summary   | 2          |
| <b>Total amount of hours</b> |   | <b>30</b>  |
| <b>Credits ECTS</b>          |   | <b>1,0</b> |

**THEMES OF THE CLINICAL PRACTICAL TRAINING  
“CLINICAL PRACTICE IN OUTPATIENT DEPARTMENT PROVIDING  
MEDICAL CARE**

**Theme 1. The structure and organization of the department of family medicine. Interviewing and physical examination of children with different internal pathologies. Diagnosis and treatment of the most common pediatric illnesses in outpatient settings. Indication to scheduled and urgent hospitalization in outpatient practice. Work in the laboratory, X-ray room and in the functional diagnosis room. Interpretation of laboratory and instrumental investigations in pediatrics: interpretation of X-ray films and fluoroscopy, ultrasound examination, computer tomograph scan, fibrogastroduodenoscopy, colonoscopy, etc.**

1. Provision of medical assistance to the sick children and teenagers at outpatient department under supervision of doctor of general practice–family doctor and pediatrician.

2. Prescribing of medications to children and adolescents under supervision of doctor of general practice–family doctor.

3. The organization of home-hospital, conducting necessary examinations, consultations and treatment at home.

4. Provision of medical care under supervision of a doctor of a hospital day clinic.

5. Organization of emergency care at home and in the ambulatory outpatient conditions, study rules of admission of treatment for emergency need.

6. Documents for temporary disability: hospital sheet and certificate of temporary incapacity.

7. Writing out prescription forms for paid and free medical drugs.

8. The duty under supervision of general practice–family doctor in hospital emergency clinic, acquaintance with the principles of first aid in the prehospital stage.

9. Interpretation of laboratory investigation: general analysis of blood, urine, faeces, blood biochemical analysis (protein content, urea, creatinine, electrolytes, glucose, blood bilirubin and its fractions, coagulogram, blood lipid profile), microbiological studies of biological excretions, analysis of sternum punktate.

10. Interpretation of instrumental investigations in pediatrics: analysis of the of X-ray films and fluoroscopy, ultrasound examination of hepar, gallbladder, pancreas, kidneys, lien, thyroid gland, computer tomography scan, magnetic resonance imaging, upper fibrogastroduodenoscopy, endoscopy, fraction investigation of gastric secretion, Ph-metry of the stomach secretion, colonoscopy.

12. Conduct general medical manipulations: subcutaneous, intramuscular and intravenous injection, compresses, gastric lavage, preparing children to radiographic and ultrasound studies.

13. The study of statistical indicators of the quality of the work of the family doctor, neonatal, perinatal and children death, general morbidity, health index, indicators of the incidence of infectious disease, frequency of breast-feeding, percentage of preventive vaccination).

**Theme 2. First aid for pediatric patients under ambulatory conditions and at home. Assistance to general practice-family medicine doctor or district pediatrician in delivery of urgent care at prehospital stage in conditions of acute cardiovascular and breathing insufficiency, anaphylactic shock, convulsive syndrome, poisoning, etc.**

1. Overview of the child definition of syndromes and the availability of urgent conduct of outpatient reception.

2. Providing primary medical care to children and adolescents in emergency situations: hyperthermia, convulsion syndrome, a condition of recurrent acetonemiae vomiting, acute cardiovascular insufficiency, acute respiratory failure, anafilaktic shock, hyperglycemia and hypoglicemia etc.

**Theme 3. Care of healthy child. Assessment of physical, mental, motor and social development of child. Estimation of a child health. Nutritional consultation of a healthy child. Participation in a prophylactic measures and follow - up of children with a common pediatric diseases.**

1. Patronage work of the general practice–family doctor and pediatrician

2. Clinical observation of the first year children, carrying for a newborn and a child at home.

3. Indicators of physical and neuro-psychological development of the children of the first year of life, three years, preschool and school age.

4. Feeding of the child of the first year, prescription of the supplementary eating.

5. Prevention and treatment of hypogalacty in breast-feeding woman.

6. Organization of specific and non-specific prevention and treatment of rickets in children.

7. Conduct specific and non-specific prevention and treatment of iron deficiency anaemia in children.

8. Specific and non-specific prevention and treatment of acute respiratory viral infections and pneumonia in children. Diagnosis and treatment of children with Covid19.

9. Clinical observation of children with chronic diseases, the character and duration of observation, methods of treatment and prevention.

**Theme 4. Participation in pediatric vaccination at outpatient clinic. Indications and contraindications to vaccination. Follow-up, assessment, and management for vaccination reactions. Mastering the principles of ethics and deontology in the practice of district pediatrician.**

1. Calendar of preventive vaccination of children and adolescents in Ukraine according to the order of Ministry of Health of Ukraine № 551 of 11.08.2014 “Improvement of vaccination in Ukraine”.

2. The procedure of vaccination.

3. The indications and contraindications for vaccination of children.

4. Immunization of HIV–infected children.

5. Participation in the provision of emergency assistance to children with vaccination reactions and complications.

**Theme 5. Differential evaluation.**

An example of diary writing is given in table 3.

*Table 3*

**DIARY (sample)**

**CLINICAL PRACTICAL TRAINING**

Clinical practical training as assistant of the general practice –family doctor or pediatrician with providing medical care to children and adolescents  
a student of the 5-th course \_\_\_\_\_ group of medical faculty

.....  
Hospital \_\_\_\_\_  
The head of Hospital \_\_\_\_\_  
-----  
The head of the University \_\_\_\_\_

from \_\_\_\_\_ 20\_\_\_\_ to \_\_\_\_\_ 20\_\_\_\_\_

| Date, hours                            | Content of work  | Signature of supervisor of practice |
|--|--|-------------------------------------|
| 20.06.2022<br>from 9-00<br>up to 16-00 | Conducted medical reception in the family department of the clinic under the supervision of the general practice – family doctor.<br>Visited 5 children (specify).<br>Child..... |                                     |

|  |  |
|--|--|
| <p>Objective overview:<br/> Diagnosis:<br/> Plan of observation:<br/> Treatment plan:<br/> Rehabilitation:<br/> Prevention:<br/> I have read and completed ..... histories of development of the child (f. 112/o), .....statistical cards for registering the final (accurate) diagnoses (f. 025-2/a), of accounting of daily reception of patients (f.025/o), cards of dispenserization (f. 030/a).<br/> Worked at the endoscopy room. Took part in the fibrogastroduodenoscopy of ..... children.<br/> Child.....<br/> Results of endoscopy examination _____<br/> -----<br/> -----<br/> Has provided medical assistance to the 3 sick children at home under the supervision of general practice – family doctor (specify).<br/> Child.....<br/> Objective overview:<br/> Diagnosis:<br/> Plan of observation:<br/> Treatment plan:<br/> Rehabilitation:<br/> Prevention:<br/> Signature of the student _____</p> |  |
|--|--|

Assimilation of practical skills of student records in table 3.

*Table 4*

**The FINAL REPORT (sample)**

clinical practical training in the outpatient department as assistant of general practice—family doctor or pediatrician for medical care of children and adolescents  
a student of the 5-th course \_\_\_\_\_ group of medical faculty

Hospital \_\_\_\_\_  
Head of the Hospital \_\_\_\_\_  
-----  
The head of the University \_\_\_\_\_

from \_\_\_\_\_ 20\_\_\_\_ to \_\_\_\_\_ 20\_\_\_\_\_

| №   | List of practical skills  | Quantity skills | Completed | Score in points |
|-----|---|-----------------|-----------|-----------------|
| 1.  | Adopted children and adolescents in the clinic during the outpatient reception under the supervision of general practice – family doctor or pediatrician                        | 24-25           |           | 3-5             |
| 2.  | Formulated clinical diagnoses according to the protocols of the Ministry of Health of Ukraine, International Classification of Diseases -10 (Geneva 1995), ICPC-2               | 20-24           |           | 3-5             |
| 3.  | Provided medical care to sick children at home under the supervision of general practice – family doctor or pediatrician  | 3-4             |           | 3-5             |
| 4.  | Organized home care centers for the purpose of treatment of sick children at home   | 1-2             |           | 3-5             |
| 5.  | Treatment of children in day hospital clinics under the supervision of the doctor   | 2-3             |           | 3-5             |
| 6.  | Provided emergency aid to children with hyperthermia, convulsive syndrome, loss of consciousness, severe cardiovascular and respiratory insufficiency, anaphylactic shock, etc. | 2-3             |           | 3-5             |
| 7.  | Studied and conducted under the supervision of general practice – family doctor or pediatrician basic measures (manipulations) of emergency care                                | 1-2             |           | 3-5             |
| 8.  | Conducted clinical observation of sick children and adolescents (accounting for nosology, planned reviews, consultations of specialists, secondary prevention and treatment)    | 3-4             |           | 3-5             |
| 9.  | Created routes of therapeutic activities, diets, sanatorium-resort selection in children with different diseases  | 8-10            |           | 3-5             |
| 10. | Filled “History of child development” (f. 112/o), medical cards (f. 023/a)  | 8-10            |           | 3-5             |
| 11. | Filled electronic documentation in electronic medical system HELSI, learn codes of patients reasons for seeking, diagnostic codes, etc  | 8-10            |           | 3-5             |

|   |  |       |  |               |
|---|--|-------|--|---------------|
| 12.   | Filled leasts of temporary disability  | 8-10  |  | 3-5           |
| 13.   | Written out the prescription forms for medications   | 12-16 |  | 3-5           |
| 14.   | Filled vaccination leasts (f. 063)   | 3-4   |  | 3-5           |
| 15.   | Filled vouchers for sanatorium treatment (f. 070/o) and sanatorium card (f. 072/o)   | 3-4   |  | 3-5           |
| 16.   | Studied methods of conducting and interpretation of the results of laboratory research methods: general blood test, biochemical analysis of blood, the general analysis of urine, analysis of urine samples by Zemnitsky and Nechiporenko, analysis of helminth eggs in faeces, coprogram, analysis of faeces, sputum, pleural fluid, gastric and duodenum secretion, bile | 30-40 |  | 3-5           |
| 17.   | Recorded and read ECG, the results of the Holter monitoring of ECG and blood pressure  | 3-4   |  | 3-5           |
| 18.   | Conducted analysis of stomach secretion, Ph-metry, fibrogastroduodenoscopy, colonoscopy  | 2-3   |  | 3-5           |
| 19.   | Spirometry, picfluometry   | 3-4   |  | 3-5           |
| 20.   | Conducted and evaluated the results of ultrasound studies of the hepar, pancreas, kidneys, thyroid gland, neurosonography, cardiography, phonocardiography   | 6-7   |  | 3-5           |
| 21.   | Conducted assessments of radiographs and X-ray examination of the organs of thorax, gastrointestinal tract, gallbladder and kidneys  | 2-3   |  | 3-5           |
| 22.   | Vaccinated children and adolescents, type of vaccine, nature of vaccine induced process, possible reactions on vaccinations and complications of vaccine induced process   | 2-5   |  | 3-5           |
| 23.   | Adopted the profile of patients under the supervision of children's specialists: rheumatologist, cardiologist, endocrinologist, gastroenterologist, pulmonologist, ophthalmologist   | 5-6   |  | 3-5           |
| 24.   | Conducted physiotherapy treatment  | 4-5   |  | 3-5           |
| The amount of points of the final control over the assimilation of practical skills |  |       |  | <b>72-120</b> |
| Signature of responsible for practice on the basis of practice                      |  |       |  |               |

**Abilities of student are evaluated by the supervisor of the practice from the base and the head of the University with the practical training according to the following criteria:**

**" 5 points "** – student perfectly mastered certain skills and practical skill, logical thinking, freely uses the acquired theoretical knowledge in the analysis of practical material, expresses his attitude to the problems;

**"4 points "** – the student is well learned some skills and a practical skill, owns the key aspects of practical skills and abilities, expresses the thoughts of those or other problems, but it is certain inaccuracies and errors in the analysis of practical action.

**"3 points"** – the student mostly mastered skills and practical skill, but unconvincing answers confuses concepts, additional questions cause student uncertainty or reveal the lack of a stable knowledge, answering the questions of a practical nature reveals inaccuracies in knowledge, not able to assess the facts and phenomena.

Score practice consists of the sum of the points for the student practical skills that are tested by the direct supervisor of practice (maximum 120 points at least 72 points).

Evaluation of differentiated credit (amount of points for mastering practical skills and the final control of practical skills) (table 5).

*Table 5*

**Evaluation of differentiated credit (summary of monitoring practical skills)**

| Score differential evaluation | Points | Score | The signature of the head of the practice from the university |
|-------------------------------|--------|-------|---|
|                               |        |       |   |

**3. METHODS OF CONTROL**

Methods of control display system of evaluation practices for traditional-grade and 200-point scale. Score practice consists of the summary of the points for the performance of the student practical skills that are tested by the direct supervisor of practice (maximum 120 points at least 72 points), and the points for the final modular control that exhibited during the differentiated credit (maximum 80 points – minimum 50 points).

Points of discipline no matter converted both in the scale of ECTS, in a 4-grade scales. The points students enrolled for one speciality, ranked on a scale of ECTS (table 6).

**Ranking on the ECTS**

| ECTS | Statistical indicator         |
|------|-------------------------------|
| A    | The best 10% of the students  |
| B    | The following 25% of students |
| C    | The next 30% of students      |
| D    | The following 25% of students |
| E    | The last 10% of the students  |

Points out the practice for students who have successfully completed the program are converted in a traditional 4-grade scale for an absolute criteria (table 7).

Table 7

**Conversion of points in the traditional 4-grade scale**

| Points of discipline  | Grade 4-grade scale |
|---|---------------------|
| From 170 to 200 points  | 5                   |
| From 140 to 169 points  | 4                   |
| From 139 points to the minimum number of points, which must score a student | 3                   |
| Below the minimum number of points, which must score a student              | 2                   |

**REFERENCE**

1. Barton S., Donald A., Muthu V. Clinical evidence. The international source of the best available evidence for effective health care. BMJ Publishing Group. – 2000. – 1034 p.
2. Bickley L.S., Szilagy P.G., Hoffman R.M., Soriano R.P. Bates Guide to physical examination and history taking (Lippincott Connect) 13 edition. Wolters Kluwer. 2021.– 1172 p.
3. Bolick B., Madden M., Severin P., Reuter-Rice K. Pediatric acute care: A guide for inter-professional practice. 2-nd edition. Printed in Canada. <http://evolve.Elsevier.com>. 2021.– 1280 p.
4. Ioannou A. 320 single best answer questions for final year medical students. 2017: 364 p. World Scientific. Amazon.com Services LLC. 2017. – 364 p.
5. Fischback F.T., Fischbach M.A., Stout K. A manual of laboratory and diagnostic tests. Product details. LWW; Eleventh, North American edition. October 16; 2021. – 1192 p.
6. Fong N. Algorithms in differential diagnosis. London: World Scientific Publishing Co, 2019.– 479 p.



7. Kliegman R.M., Stanton B.F., Geme Y.W., et al. Nelson Textbook of Pediatrics. ELSEVIER, 2020. – 1320 p.
8. Papadakis M.A., McPhee S.J., Rabow M. W. Current medical diagnosis and treatment. Updated annually. Mc Graw Hill Lange. 61 st edition. 2022. – 1126 p.  
<https://accessmedicine.mhmedical.com/content.aspx?bookid=3081&sectionid=258579240>.
9. Sharma N. Evidence based medicine and examination skills: Transating theory to practice. World Scientific. 2019.– 324 p.
10. Stead L.G., Kaufman M.S., Wasseem M. First Aid for the Pediatrics Clerkslip. 3-d edition. McGraw-HillMedical. 2010. – 607 p.
11. Tintinalli J., Ma O.J., Yealy D., Meckler G., Stapczynski J., Cline J.D., Thomas S. Tintinalli's Emergency Medicine: A Comprehensive Study Guide, 9th Edition 9th Edition. 2022.– 523 p.
12. Toy E., Briscoe D., Britton B., Heidelbaugh J.J. Case files family medicine. 5<sup>th</sup> edition. 2022.
13. Towards universal health coverage through family practice in the Eastern Mediterranean Region. WHO Library Cataloguing in Publication Data World Health Organization. Regional Office for the Eastern Mediterranean Conceptual and strategic approach to family practice: towards universal health coverage through family practice in the Eastern Mediterranean Region / World Health Organization. Regional Office for the Eastern Mediteranean. ISBN: 978-92-9022-035-0 ISBN: 978-92-9022-033-6 (online).
14. Zitelli B.J., McIntire S.C., Nowalk A.J. Atlas of pediatric physical diagnosis. 6-th Edition. – 2012. – 1088 p.