

Vocational practice program  
(medical) for the 5th year students of the 10th semester  
Medical Faculty  
who perform the duties of a GP (family doctor)  
(6.0 credits of ECTS, the number of hours are 180)

1.1. Basic organizational principles

Practice for students of the 5th year is carried out as an acting family physician therapist, pediatrician and surgeon in accordance with the program. The duration is 4 weeks (1 week in therapeutic, children's, surgical department of the polyclinic and women's clinic).

Practical work of the student consists of daily work in the clinic (7 hours and 12 minutes), medical care at home, and outpatient care.

1.2. Purpose and objectives of practice: Consolidation of knowledge and skills in practice, obtained during training (examination of the patient, diagnosis, treatment) further improvement of practical skills, familiarization with the conditions of work of a doctor in a polyclinic, strengthening of patient care skills.

1.3. PROGRAM CONTENT

1. The main duties and professional actions of the physician of the therapeutic department :

- Provision of emergency therapeutic care in a polyclinic;
- Work in the therapeutic room of the polyclinic;
- Work in the room of functional diagnostics;
- Work in the physiotherapy room;
- Work in specialized (cardiological, etc) rooms;
- Duty in the emergency room of the hospital;
- The application of the principles of ethics and deontology in the practice of a physician-therapist.

2. **The main duties and professional actions of the doctor of the surgical department of the polyclinic**

- Clinical, laboratory-instrumental diagnostics and tactics of treatment of basic surgical diseases in outpatient conditions;
- Work in the surgical room of the polyclinic;
- Work in the traumatology room of the polyclinic;
- Work in the urological room of the polyclinic;
- Duty in the emergency room of the hospital or in the hospital admissions department;
- The application of the principles of ethics and deontology in the practice of a surgeon in a polyclinic.

3. **Basic duties and professional skills of the pediatrician's district doctor :**

- Principles of organization of medical care for children on an outpatient basis;
- Clinical, laboratory-instrumental diagnostics and tactics of treatment of the basic children's diseases in outpatient basis;
- Principles of organization of preventive maintenance of infectious diseases by means of vaccines in Ukraine;
- System of dispensary observation of healthy and sick children;
- The application of the principles of ethics and deontology in pediatrics.

4. **The main duties and professional actions of a doctor in women's clinic (in the antenatal clinic, maternity consulting centre):**

- Principles of organization of medical care for women on an outpatient basis;
- Clinical, laboratory-instrumental diagnostics and tactics of treatment of the most common gynecological diseases in the women's consultation center; patronage of pregnant and parturient women; prophylaxis and diagnostics of oncological diseases; diagnosis and provision of emergency medical care before hospitalization;
- The application of the principles of ethics and deontology in gynecology.

**List of practical skills for the conclusive modular control**  
from module 1 «The main duties and professional actions of the physician of the  
therapeutic department»

	Practical skills	Scores
1	Conducting a survey and physical examination of patients with major diseases of internal organs.	2
2	Assessment of clinical, biochemical and immunological blood test., urine test.	2
3	Evaluation of such instrumental research methods : X-ray examination of the organs of the thorax, abdomen, joints; CT scan, electrocardiogram, echocardiography, ultrasound diagnostics of abdominal organs.	2
4	Substantiation and formulation of clinical diagnosis.	3
5	Interpretation of general principles of treatment, primary and secondary prevention in the main diseases of internal organs.	3
6	Emergency care in urgent conditions (states) in acute heart failure, hypertensive crisis, infringements of a warm rhythm, thromboembolism of a pulmonary artery, acute renal failure ets.	3

**List of practical skills for the conclusive modular control**  
 from module 2 «**The main duties and professional actions of the doctor of the surgical department of the polyclinic**»

	Practical skills	Scores
1	Features of examination of a surgical patient: a survey, a physical examination –examination of the patient, palpation, percussion, auscultation and rectal examination.	3
2	Assessment of clinical and biochemical blood test, urine test.	2
3	Analysis of instrumental studies (chest X-ray and abdominal cavity, aortography, ultrasound examination of the abdominal cavity organs, doppler ultrasonography of arteries and veins, CT, endoscopy) in surgical diseases.	2
4	Substantiation and formulation of a clinical diagnosis, differential diagnosis of surgical diseases.	3
5	Assisting in the room for dressing of wounds: abscess autopsy, primary surgical treatment of wounds, execution of dressings, performing pleural puncture, and puncture of the joints.	2
6	Emergency care for stab wounds, emergency care for spontaneous pneumothorax, for traumatic shock, emergency bleeding care, for phlebothrombosis, emergency care for injuries and fractures of bones.	3

**List of practical skills for the conclusive modular control**  
 from module 3 «Basic duties and professional skills of the pediatrician's district doctor»

	Practical skills	Scores
1	Examination of healthy and sick children.	2
2	Evaluation of clinical (general analysis of blood, urine, feces) and biochemical researches of patients (the presence of protein in the blood, acute phase parameters, urea and creatinine of the blood, electrolytes, glucose, bilirubin in blood, coagulogram, blood lipid profile), assessment of microbiological examination of biological fluids and secretions, polymerase chain reaction, general analysis of cerebrospinal fluid.	2
3	Evaluation of the results of instrumental research methods: chest and abdominal cavity X-ray, Joints, CT of central nervous system, electrocardiogram, echocardiography, ultrasound diagnostics of abdominal organs.	2
4	Knowing the timing of preventive vaccinations. Indications and contraindications for vaccination.	2
5	Substantiation and formulation of a clinical diagnosis;	3
6	Interpretation of general principles of treatment, primary and secondary prevention of major childhood diseases in outpatient settings.	2
7	Medical care for emergency conditions in children (convulsive and hyper thermic syndromes, collapsing, pulmonary edema, bronchospasm, asthmatic status, acute heart failure, infectious-toxic shock, acute renal failure, acute hepatic insufficiency, Quincke's edema, anaphylactic shock, hypoglycemic coma).	2

**List of practical skills for the final modular control**  
 from module 4 «**The main duties and professional actions of a doctor in women's clinic (antenatal clinic)**»

	Practical skills	Scores
1	Features of the survey and obstetric-gynecological examination (mirror, bimanual, rectal, rectovaginal).	2
2	Assessment of clinical and biochemical blood test, urine test.	1
3	Analysis of instrumental studies (colposcopy and colpocytology data, evaluation of the results of cytological, histological and bacteriological studies).	2
4	Evaluation of the results of ultrasound and X-ray studies of female genital organs.	2
5	Substantiation and formulation of a clinical diagnosis, carrying out differential diagnosis between acute gynecological and surgical diseases.	2
6	Preventive maintenance and diagnostics of oncological diseases, prevention of sexually transmitted diseases.	2
7	Patronage of pregnant and parturient women.	2
8	Provision of emergency medical care before hospitalization: uterine bleeding, rupture of an ovarian tumor.	2

The first deputy rector

P.Sereda

Chief of practice department

G.Solonyuka

Chief of law department

I. Rzaeva

Title page of the diary (Journal)  
PHEE Kyiv Medical University

STUDENT' S DIARY

On Vocational practice

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( Name of the discipline)

Full name\_\_\_\_\_

Faculty \_\_\_\_\_

Course (Year)\_\_\_\_\_Semester\_\_\_\_\_

Period of practice from «\_\_\_\_»\_\_\_\_\_201\_\_\_\_year  
to «\_\_\_\_»\_\_\_\_\_201\_\_\_\_year

Location of practice \_\_\_\_\_  
(City, district)

Hospital name\_\_\_\_\_

Immediate Head

\_\_\_\_\_  
(Full name, signature)

Chief Head (from the base)\_\_\_\_\_

(Full name, signature)

Seal

(sample)

Vocational practice  
Diary  
on internal medicine

Diary on surgery (on pediatrics, on work in antenatal clinic) is filled in according to this sample)

of **Student** \_\_\_\_\_ of medical faculty

(Full name)

Course \_\_\_\_\_ Group \_\_\_\_\_

Location of practice \_\_\_\_\_ City

Hospital \_\_\_\_\_

Date; Hours worked	The content of the work	Signature of the head
1-st day 8-00 to 9-00	Attended a meeting with the chief doctor of the polyclinic, familiarized with the structure of the polyclinic. Composed an individual work schedule.	
9-00—12-00	I spent outpatient reception together with the <b>current GP (therapist)</b> . I <b>accepted 5 patients</b> : 1. Patient N., is 60 years old. Diagnosis: cardiac ischemia II FC. Postinfarction cardiosclerosis. In favor of this testifies..... Examination..... Treatment.....  2. Patient B., 50 years old. Diagnosis: <b>Degree III hypertonic disease</b> . In favor of this testifies..... Examination..... Treatment..... Etc.	Physical examination of 5 patients (Survey, examination, blood pressure measurement). Assessment of clinical, biochemical and instrumental research methods.
12-00---15-00	I visited (together with the <b>current GP</b> ) at home and examined 3 patients. 1. Patient O., 47 years old. Diagnosis: Angina catarrhal. In favor of this testifies..... Examination..... Treatment..... 2. Patient X. <b>38 years old</b> . Diagnosis: systemic lupus erythematosus. In favor of this testifies..... Examination..... Treatment.....	3 outpatient cards were filled. 9 recipes have been written out.



The student fills out the Vocational practice diary every day after passing the practice. The diary is signed by the Head of basic (hospital) practice and by the educational institution (Department).

(sample)

Annex 2

**Consolidated digital report on the passage of Vocational practice  
on Internal medicine (current monitoring)**

Student \_\_\_\_\_ of

5 year

Medical Faculty, group\_\_\_\_\_

On the basis of the City Hospital №\_\_\_\_\_ City\_\_\_\_\_

List of skills and abilities	Number of skills	Scores
1. Reception of patients in a polyclinic.	30-50	3-4
2. On duty at the emergency department at the polyclinic.	1	3
3. Blood pressure measurement.	30-50	1-2
4. Evaluation of laboratory research methods (total protein, transaminases of blood, coagulogram, blood electrolytes, urea, general urine analysis etc.	30-50	2-4
5. Electrocardiogram analysis	20-30	2-3
6. Analysis of echocardiography data, stress tests.	5-10	1-3
7. Analysis of chest X-ray examination data, abdominal cavity, joints, electrocardiogram analysis.	10-12	2-4
8. Analysis of ultrasound diagnosis of abdominal organs	10-15	2-3
9. Participation in emergency care in urgent situations with acute heart failure, hypertensive crisis, acute renal failure, thrombolysis of the pulmonary artery.	3-5	2-4
Sum of scores		18-30

Instructor's signature\_\_\_\_\_

(sample)

Annex 3

**Consolidated digital report on the passage of Vocational practice  
on Surgery (current monitoring)**

Student\_\_\_\_\_ of 5 year

Medical faculty, group \_\_\_\_\_

On the basis of the City Hospital № \_\_\_\_\_ City \_\_\_\_\_

List of skills and abilities	Number of skills	Scores
1. Reception of patients in a polyclinic.	20-40	2-3
2. On duty at the emergency department at the polyclinic or traumatology department.	30-50	3
3. Assessment of chemical (general analysis of blood and urine) and biochemical blood tests (bilirubin, blood proteins, coagulogram, etc.) in a surgical clinic.	10-15	1-3
4. Evaluation of instrumental research data (chest and abdominal x-ray, ultrasound examination of abdominal organs, CT) for surgical diseases.	10-15	2-3
5. Assisting in the room for dressing of wounds: carrying out local anesthesia, the imposition and removal of stitches.	1-2	2-4
6. Assisting in a dressing: primary wound treatment, opening abscess, dressing.	2-3	3-4
7. Assisting in a urological room: palpation of the prostate, cystoscopy.	1-2	1-3
8. Participation in the transport immobilization of the victim.	1-2	2-3
9. Participation in emergency care with stab wounds, traumatic shock etc.	1-3	2-4
Sum of scores		18-30

Instructor's signature \_\_\_\_\_

(sample)

Annex 4

**Consolidated digital report on the passage of Vocational practice  
on Pediatrics (current monitoring)**

Student \_\_\_\_\_ of 5 year

Medical Faculty, group \_\_\_\_\_

On the basis of the City Hospital № \_\_\_\_\_ City \_\_\_\_\_

List of skills and abilities	Number of skills	Scores
1. Examination of healthy and sick children in polyclinic.	20-30	3-4
2. On duty at the emergency department at the polyclinic or at the reception room of the Hospital.	1	3
3. Measurement of blood pressure on arms and legs.	10-20	1-2
4. Evaluation of clinical (general analysis of blood, urine, feces) and biochemical researches of patients (the presence of protein in the blood, acute phase parameters, urea and creatinine of the blood, electrolytes, glucose, bilirubin in blood, coagulogram, blood lipid profile), assessment of microbiological examination of biological fluids and secretions, polymerase chain reaction, general analysis of cerebrospinal fluid.	20-30	2-4
5. Electrocardiogram analysis	5-10	1-3
6. Analysis of echocardiography data.	5-10	2-3
7. Analysis of chest X-ray examination data, abdominal cavity, joints, CT.	10-12	2-4
8. Analysis of ultrasound diagnosis of abdominal organs.	10-15	2-3
9. Medical care for emergency conditions in children (convulsive and hyper thermic syndromes, collapsing, pulmonary edema, bronchospasm, asthmatic status, acute heart failure, infectious-toxic shock, acute renal failure, acute hepatic insufficiency, Quincke's edema, anaphylactic shock, hypoglycemic coma).	3-5	2-4
Sum of scores		18-30

Instructor's signature \_\_\_\_\_  
(sample) Annex 5

**Consolidated digital report on the passage of Vocational practice  
on Gynecology (current monitoring)**

Student \_\_\_\_\_ of 5 year

Medical Faculty, group \_\_\_\_\_

On the basis of the City Hospital № \_\_\_\_\_ City \_\_\_\_\_

List of skills and abilities	Number of skills	Scores
1. Examination of pregnant women, determination of the terms of pregnancy.	15-20	2-4
2. Examination of gynecological patients.	15-20	2-3
3. Vaginal examination.	5-10	2-3
4. Examination of the cervix in the mirror.	5-10	2-3
5. Pelvic size determination, fetal placement.	10-20	1-3
6. Evaluation of the results of clinical analysis of blood, urine, excretions.	15-20	1-2
7. Taking smears from the vagina on the cytology and the degree of purity of the vagina.	10-20	1-2
8. Analysis of ultrasound (and CT) data of the pelvic organs, mammary glands.	20-30	2-3
9. Analysis of immunological and hormonal data	10-15	2-3
10. Provision of emergency medical care before hospitalization: uterine bleeding, rupture of an ovarian tumor.	1-3	3-4
Sum of scores		18-30

Instructor's signature \_\_\_\_\_

TESTIMONIAL

Immediate Head of Vocational practice (from the base)\_\_\_\_\_

/signature/

Chief Head of Vocational practice (from the base)\_\_\_\_\_

/signature/

Seal

Note: In the Testimonial (characteristic) should be noted such indicators:  
Level of theoretical training, practical skills, recipe knowledge, compliance with the fundamentals of deontology and ethics, student's attitude to mastering practical skills.