

**Vocational practice program
(medical) for the 4-th year students of the 8-th semester
as a physician assistant of Therapeutical, Surgical, Pediatric Departments of
the Hospital and Maternity hospitals (6,0 credits, 180 hours)**

1. The main organization principles.

The Vocational Inpatient Practice for the 4th year students (8th semester) of Medical Faculty is an inpatient practice for the physician assistant which lasts for four weeks, each week in one of the units of the hospital, such as Therapeutic, Surgical, Pediatric and Maternity house. Practical training is exercised as a Vocational Medical Inpatient Practice for the students. It consists of four credits. The progress score for the Vocational Practice is grading and is put according to multi-point scale including the current and final modules, and it is based on the European Credit Transfer system and on the traditional grade.

Only those students who have completed the curriculum of the 4th year of study are allowed to do the Vocational Practice.

2. Objective and the tasks of the Practice: revision of the knowledge and skills gained at the classes of clinic and theoretic subjects (such as examination of a patient, diagnosing and treatment) and further improvement of practical skills, introduction with the management of health care process in a city and in a rural area; and, revision of skills of sanitarian educational work.

3. Curriculum content

3.1 The students must know:

The management of clinic and the condition of physician's work in various hospitals, the clinic picture and peculiarities of main pediatric, therapeutic and surgical diseases and of normal and abnormal deliveries.

3.2. The main duties and professional actions of the doctor of the Therapeutic Department of the hospital:

- Principles of organizing planned therapeutic care in Ukraine;
- Improvement of survey and physical examination of patients;
- Possession of skills in interpreting laboratory and instrumental methods of research;
- Treatment, primary and secondary prophylaxis for major respiratory, digestive and endocrine diseases.
- Mastering the skills of emergency care in the internal medicine clinic;
- The application of the principles of ethics and deontology in the practice of the physician of the Therapeutic Department;

3.3. The main duties and professional actions of the doctor of the Pediatric department of the hospital (in-patients conditions) :

- Principles of organizing of planned emergency care for children in Ukraine, Basic Laws of Ukraine on Child Health;
- Mastering the skills of interpreting laboratory-instrumental diagnostics and tactics of treatment of major childhood diseases in a children's hospital;
- Mastering the skills of emergency care at urgent conditions in children;
- The application of the principles of ethics and deontology in the practice of a pediatrician;

3.4. The main duties and professional actions of the Doctor of the Maternity department (in-patients conditions):

- Principles of organization of routine emergency care for pregnant women and women in childbirth in Ukraine, Basic Laws of Ukraine on protection of mother and child health;
- Improved diagnosis of early and late pregnancy. Diagnosis and tactics of treatment of complications of pregnancy, labor in the hospital.
- Mastering the skills of emergency medical care in obstetrics;
- The application of the principles of ethics and deontology in the practice of the doctor of the maternity department.

4. List of knowledge and practical skills of the physician of the Therapeutic Department

1. Conducting a survey and physical examination of patients with the main diseases of the respiratory organs of organs, digestive organs, blood-forming organs, and endocrine system.
2. Assessment of clinical, biochemical and bacteriological research of blood, urine, faeces, sputum.
3. Evaluation of the data of instrumental research methods: X-ray of chest and abdominal organs, fibrogastroduodenoscopy, electrocardiograms, colonoscopy.
4. Substantiation and formulation of a clinical diagnosis.
5. Interpretation of general principles of treatment, primary and secondary prevention in the main diseases of the respiratory system, digestive and endocrine system.
6. Emergency care in urgent situations (conditions) with acute respiratory failure (bronchial asthma), for hepatic colic, diabetic coma, etc.

5. List of knowledge and practical skills of the physician of the Surgical Department

1. Evaluation of the data of anamnesis, physical examination: examination of the patient, palpation, percussion, auscultation.
2. Analysis of the results of laboratory and instrumental studies (radiography, ultrasound diagnostics, fibrogastroduodenoscopy, CT)
3. Substantiation and formulation of a clinical diagnosis.
4. Features of assistance in scheduled and emergency surgeries.
5. Features of assisting in the dressing: care of the wound, drainage, change of dressings, suture removal.
6. Emergency care for bleeding, hemorrhagic shock, correction of water-electrolyte disorders.

6. List of knowledge and practical skills of the physician of the Pediatric Department

1. Ability to conduct examination of patients, substantiation and formulation of a clinical diagnosis, writing a medical history.
2. Measurement of blood pressure on arms and legs.
3. Assessment of clinical analyzes (general blood test in children of different ages, general urine analysis and stool analysis, sputum analysis; Evaluation of biochemical analyzes (alkaline phosphatase, cholesterol, acute phase parameters, creatinine and urea in the blood).
4. Electrocardiogram analysis.
5. Evaluation of spirometry, bronchoscopy, echocardiography.
6. Evaluation of chest X-ray, digestive system, urogenital system.
7. Diagnosis and emergency care for children with convulsions, hyperthermia syndrome, asthmatic status, bronchospasm, heart failure, etc.

7. List of knowledge and practical skills of the doctor of Maternity Department

1. External obstetric examination of pregnant women, measurement of pelvis size.
2. Determination of the terms of pregnancy, determination of the expected terms of childbirth.
3. Determination of the gestational age of the fetus and his mass.
4. Features of physiological births.
5. Features of obstetric care during childbirth and the puerperium.
6. Apgar score for the newborn.
7. Registration of medical documentation in obstetrics.
8. Drawing up of the scheme of pharmacological correction of abnormalities of labor activity.
9. Evaluation of the results of amnioscopy, amniocentesis.
10. Assistance in obstetrical operations.
11. Emergency care in obstetrics.

The first deputy rector

P. Sereda

Chief of practice department

G. Solonynka

Chief of law department

I. Rzaeva

Title page of the diary (Journal)

PHEE Kyiv Medical University

STUDENT'S DIARY

On Vocational practice

(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

STUDENT'S DIARY
 On Vocational practice
 From the cycle of " THERAPY "
 of a 4th year student, 8 semesters of the _____ group
 MEDICAL FACULTY

_____ (Full name)

On the base _____

From " _____ " 20 _____ To " _____ " 20 _____

Immediate Head of Vocational practice (from the base) _____

Chief Head of Vocational practice (from the base) _____

Date; Hours worked	The content of the work	Executive skill
	<p>I attended the production meeting with the Chief Doctor. Got data that characterizes the base of practice. The City Hospital is an institution for 630 beds. The hospital has 3 departments: therapeutic, surgical and cardiology. I carried out the examination of patients. I'm responsible for room № 4 (5 patients). I Carried out an examination of the patients and agreed with the doctor on the plan for further treatment. Brief examples of diagnoses, treatment methods and prescriptions are given below :</p> <p>1. Patient N., is 60 years old. Diagnosis: cardiac ischemia II FC. Postinfarction cardiosclerosis.</p> <p>In favor of this testifies.....</p> <p>Examination.....</p> <p>Treatment.....</p> <p>Worked in the treatment room.</p> <p>Student's signature _____</p>	<p>Examination of 5 patients (survey, examination, measurement of blood pressure).</p>

DIGITAL PROGRESS REPORT
on Vocational practice.
"THERAPY", 4th year student, group____
MEDICAL FACULTY

(Full name)

On the base of _____
From " ____ " _____ 20____. To " ____ " _____ 20____.

No	Practical skills	Minimum	Days of practice	Total
1	Supervision in -patient	5-8		
2	Writing a medical history	8-10		
3	Emergency treatment for asthma, hypertensive crisis, diabetic coma, etc.	6-8		
4	The night duty in the Therapeutic Department of the hospital	2		
5	Duty reports	2		
6	Intravenous injections	6-10		
7	Intravenous drip solutions	5		
8	Definition of blood groups	2		
9	Definition of blood groups and compatibility test	2-3		
10	Cardiogram registration	5		
11	Decoding of cardiogram	15-20		
12	Evaluation of X-ray examination data	20-30		
13	Assessment of laboratory data	10-15		
14	Assessment of laboratory data of gastric secretion of duodenal sounding	5-7		
15	Blood pressure measurement	20-30		
16	Presence at autopsy	2		
17	Participation in conferences on pat anatomy	1		
18	Presence at endoscopic examinations	1-2		
19	Presence at ultrasound examination of the abdominal cavity organs	5-6		
20	Lectures with patients	1-3		

STUDENT'S DIARY
 On Vocational practice
 From the cycle of " SURGERY "
 of a 4th year student, of the _____ group
 MEDICAL FACULTY

 (Full name)

On the base _____
 From " ____ " _____ 20____ To " ____ " _____ 20____

Immediate Head of Vocational practice (from the base) _____

Chief Head of Vocational practice (from the base) _____

Date; Hours worked	The content of the work	Executive skill
	<p>I worked in a hospital ward № 5 of the Surgical Department. Examined the patients. Carried out a blood transfusion to the patient K. (1). Identified the blood group to 3 patients.</p> <p>A patient with abdominal pain (in epigastrium) was brought to the Department. The patient had nausea. The temperature is 37.5.</p> <p>Diagnosis: acute appendicitis.</p> <p>It is necessary: the analysis of urine, blood.</p> <p>Operation: under the local anesthetic the abdominal cavity is opened. he caecum with appendix is moved to the wound. Typical appendectomy. he abdominal cavity is dried, drainage into small pelvis. Stitches on the wound to drainage. The bandage.</p> <p>Student's signature _____</p>	<p>Examination of 5 patients (survey, examination, measurement of blood pressure).</p> <p>Assessment of clinical, biochemical and instrumental studies.</p>

DIGITAL PROGRESS REPORT
 On Vocational practice.
 "SURGERY", 4th year student, group ____
 MEDICAL FACULTY

 (Full name)

On the base of _____
 From " ____ " _____ 20____. To " ____ " _____ 20____.

No	Practical skills	Minimum	Days of practice	Total
1	Patient monitoring.	6-7		
2	Writing a medical history.	4		
3	Setting a plaster cast.	2		
4	Reposition of bone fragments	1		
5	Superimposition of skeletal traction	1		
6	Intravenous injections	6-10		
7	Definition of blood groups	3-5		
8	Determination of Rh factor	3-5		
9	Participation in blood transfusion	2-4		
10	Participation in pleural puncture	1		
11	Participation in the puncture of the abdominal cavity	1		
12	Gastric Sounding	2		
13	Cleansing enema	2		
14	Bladder catheterization	1		
15	Rectal examination	3		
16	Sigmoidoscopy	3-5		
17	Participation in general anesthesia	2-3		
18	Local anesthesia	2-3		
19	Operation assistance	3		
20	Small operations	2-3		
21	Surgical treatment of wounds	2		
22	Dressing	8-10		
23	Novocaine blockades	10		
24	Examination of X-ray pictures	10-15		
25	Suture removal	3		
26	Lectures and with patients	1-3		

STUDENT'S DIARY
 On Vocational practice
 in " Pediatrics"
 of a 4th year student, of the _____ group
 MEDICAL FACULTY

_____ (Full name)

On the base _____
 From " _____ " 20____ To " _____ " 20____

Immediate Head of Vocational practice (from the base) _____

Chief Head of Vocational practice (from the base) _____

Date; Hours worked	The content of the work	Executive skill
	<p>I attended the production meeting with the Head of Department at the hospital. There are 6 children in my ward. I conducted a clinical examination, coordinated with the doctor a plan for further treatment.</p> <p>1. Patient N., is 10 years old. Diagnosis: Catarrhal angina. In favor of this testifies..... Examination..... Treatment.....</p> <p>Participated in emergency care in case of asthma attack.</p> <p>Student's signature _____</p>	<p>I filled out 3 medical records, wrote 9 recipes.</p>

DIGITAL PROGRESS REPORT
 On Vocational practice.
 "SURGERY", 4th year student, group____
 MEDICAL FACULTY

(Full name)

On the base of _____
 From " ____ " _____ 20____. To " ____ " _____ 20____.

No	Practical skills	Minimum	Days of practice	Total
1	Supervision outpatient	5-8		
2	Writing a medical history	5-8		
3	The night duty in the Admission Department of children's hospital	2		
4	Emergency care for: - Seizures - Obstructive syndrome - Bronchial asthma attack - Cardiovascular failure	6-8		
5	Intravenous injections	3-4		
6	Intravenous drip administration of medication	3-4		
7	Cardiogram registration	5		
8	Electrocardiogram analysis	15-20		
9	Assessment of clinical and biochemical data	10-15		
10	Assessment of laboratory data of gastric secretion of duodenal sounding	3-5		
11	Taking material from the nasopharynx, urine for bacteriological research. Research of excrement on dysbacteriosis and helminth infestation.	5-8		
12	Detection of signs of respiratory failure	2		

STUDENT'S DIARY
 On Vocational practice
 in " Obstetrics"
 of a 4th year student, of the _____ group
 MEDICAL FACULTY

(Full name) _____

On the base _____
 From " ____ " _____ 20____ To " ____ " _____ 20_____

Immediate Head of Vocational practice (from the base) _____

Chief Head of Vocational practice (from the base) _____

Date; Hours worked	The content of the work	Executive skill
	<p>I attended the production meeting with the Chief Doctor. Acquaintance with the maternity hospital (obstetric department). I will observe 6 parturient women. Familiarity with the history of childbirth, the results of laboratory studies. I visited the ward of newborns.</p> <p>Student's signature _____</p> <p>A five-minute meeting with the Chief Doctor. Work in the postpartum department. Examination of parturient women. I Measured blood pressure, counted the pulse, determined the status of the uterus. I wrote a history of childbirth in the diary. I participated in the examination of children in the ward of newborns.</p> <p>Student's signature _____</p>	

DIGITAL PROGRESS REPORT
 On Vocational practice.
 " OBSTETRICS", 4th year student, group____
 MEDICAL FACULTY

(Full name)

On the base of _____
 From " ____ " _____ 20____. To " ____ " _____ 20____.

№	Practical skills	Minimum	Days of practice	Total
	In women's clinic (in the antenatal clinic)			
1	Examination of pregnant and gynecological patients	15-20		
2	Survey of pregnant women in early pregnancy (12 weeks)	8-10		
3	Diagnosis of 32 weeks of pregnancy	3-5		
4	Smears from the vagina for the presence of gonococcus and Trichomonas	5-6		
5	Preparation of pregnant women for childbirth	3-4		
6	Work in specialized offices of women's clinic : in children's gynecology, contraception.	1-2		
	In the delivery (birth) room			
1	Examination of parturient women	4-6		
2	Writing medical records	4-6		
3	Vaginal examination in childbirth	3-4		
4	Autopsy of the fetal sac	1		
5	Abnormal positioning of a fetus at the time of delivery.	3-5		
6	Stitching of perineal rupture (under the supervision of a doctor)	1-2		
7	Primary supervision of the newborn	2-3		
8	Examination of the uterus cavity (under the supervision of a doctor)	1		
9	Determination of blood groups, Rh factor	6-8		
10	Catheter placement	1-2		
11	Participation in obstetric operations :	2-3		

	caesarean section etc			
	In postnatal department			
1	Supervision for puerperium women	5-7		
2	Care for women after childbirth	5-6		
3	Taking smears on flora	5-6		
4	Intramuscular and subcutaneous injections	10-15		
	In the small operating room			
1	Intravenous administration of medicaments	8-10		
2	Participation in operation of artificial termination of pregnancy	5-6		
3	Participation in anesthesia	2-3		
4	Conducting anesthesia with novocaine	3-5		
5	Suture removal	2-3		

