



## **THE PROGRAMME**

### **I. The general issues**

The practice of 4th course students is held after the end of spring examination session, in June-July (36 working days) as an assistant of doctors in the departments of therapy, surgery, obstetrics and gynecology, pediatrics regional, city and district hospitals and polyclinics. The practice led by the departments of faculty therapy, faculty surgery, obstetrics and gynecology, faculty pediatrics.

The purpose of the practice is verification and consolidation of knowledge gained by students in the study of basic clinical and theoretical disciplines; further deepening and improvement of practical skills acquired in the university; familiarization with the organization of the medical matters and the conditions of the doctor's work in the district and in the countryside, as well as with the basics of health care organization and anti epidemic activities.

The students undergo practice in the areas attached to the Medical Academy in well-organized hospital-polyclinic associations with differentiated medical assistance for the main medical specialties of a wide profile. During the practice, they work as assistant doctor for therapy, surgery, pediatrics, and obstetrics (in each department for 9 days). The head physician and the assistant-supervisor of the practice draw up an accurate schedule of work of students in the departments.

The practical work of students in these disciplines is made up of a daily (6-hour) work in a hospital and polyclinic, duty on assistance at home and 2 daily shifts for the period of work in the therapeutic, surgical, children's and midwifery departments.

During the practice at the hospital, the student must acquire and strengthen the diagnostic skills obtained at the university, the methods of examination of the patient with clinical interpretation and recording in a case history; to familiarize with the sanitary condition of the hospital (water – supply, heating, removal of impurities, etc.), with its facilities (bed linen, kitchen, transport, laundry, order of providing with foods, drafting of food lay-out), the order of admission and discharge of patients (admission, sanitization, filling in the case history the passport section, preparation of the sick leave sheet, compilation of extracts from the case history, etc.), with the internal order of the hospital (or-



ganization of staff work, schedule, service, feeding of patients, condition of health education work), with hospital budget and medical reporting. The student jointly with a doctor should conduct ambulatory receptions in therapeutic, surgical and pediatric rooms of outpatient department, where he gets acquainted with management of medical records and the peculiarities of work.

The student, besides of medical work, takes part in the health educational and prophylactic activities conducted by the hospital-polyclinic association, in meetings, scientific and clinical-anatomical conferences of the hospital.

For the time of passing the practice, the student must remember and perform the basics of deontology:

- a) to show an example of sensitive and attentive attitude towards the patient and his relatives;
- b) to inspire the patient with confidence in the recovery and favorable outcome of the disease;
- c) strictly adhere to the principles of professional ethics, properly build their relationship with staff of the medical establishment;
- d) to pay special attention to the management of medical records: case history (anamnesis, compilation of family history, epicrisis, complete clarification of clinical diagnosis), ambulatory card, the form of dispensary registration.

Assistant-supervisors of practice and all physicians of the medical establishment have to pay special attention to this section of the work.

During the practice, student is obliged to deliver a lecture in an urban or rural audience on an actual health education theme.

During the practice, it is necessary to give the student an opportunity to get acquainted with therapeutic-prophylactic establishments, mainly with rural health service and summer health improving establishments.

## II. Practice in therapy

The student works as an assistant to the ward doctor in the hospital. He leads 5-8 patients under the supervision of the head of the department, conducts their examination, daily do rounds, fills in the diaries of patients, performs therapeutic, diagnostic and other manipulations (to determine blood pressure, gastric and duodenal probe, the reaction of Pirke's and Mantoux, intramuscular and intravenous injections, etc.).

When a doctor visits a call, the student accompanies him as an assistant. The most important is the participation of the student in provision of first aid in life-threatening states and in the case of acute poisoning.

During the practice of therapy, the student has to participate in the X-ray examination of patients, to perform under the guidance of medical staff therapeutic and physiotherapy procedures prescribed to patients, to participate in night and Saturday duty in the hospital as an assistant of doctor on duty, to go out with a doctor to provide emergency care at home, to familiarize with prescription and storage of medicines, the organization of the work of the department and special offices, with the order of registration and issue of leaflets on temporary incapacity for work and various medical records, to participate in meetings and to take part at pathoanatomical autopsies of corpses. The student has to get acquainted with the method of timely detection of tuberculosis in adults and children, learn to produce and evaluate tuberculin samples, to get acquainted with the X-ray method and reporting on them.

During the practice, the student conducts sanitary-educational work according to the plan of the department: in the wards-conversations with supervised patients, in a polyclinic (out - patient clinic) - group conversations with patients.

The program of practice of therapy includes anti-epidemic work in those sections that are directly related to the work of the district doctor, exactly:

- a) early detection of infectious diseases by clinical and laboratory methods;
- b) disinfection measures at the bedside of the patient;
- c) participation in preventive medical examinations.

## III. Practice in surgery

The student gets acquainted with the organization and work of the surgical block during the practice in the surgical department.

The student works in the wards, out -patient department, dressing room, operating room, resuscitation department and provides out-of-hospital care (help at home) with a doctor.

In the hospital:

- a) the student works as an assistant of a ward doctor, examines 5-8 patients, performs operations daily with permission and with the assistance of the head of the department;



- b) actively participates in all urgent operations (strangulated hernias, acute appendicitis, peritonitis, intestinal obstruction, etc.);
- c) is obliged to attend and whenever possible participates in all operations of the department;
- d) gives first aid in case of accidents, particularly, when there is trauma (wounds, fractures, dislocations);
- e) takes part in urgent operations (especially at night).

In dressing room:

- a) the student under the guidance of a doctor bandages the wound, removes stitches, drains the wounds, puts on plaster of Paris and splint, makes blood transfusion, produces traction in fractures, gives anesthesia, gets acquainted with the preparation of the dressing table, the preparation of material for dressing, sterilization of material and tools;
- b) personally bandages the wounds of his patients, makes intravenous infusions of medicinal substances, puts on plaster casts and skeletal adhesive plaster stretching, performs pleural punctures, etc.

In surgery room:

- a) the student assists during operations, learns the technique of local (field block, infiltration) anesthesia, assists in carrying out endotracheal inhalation anesthesia, helps in preparation of operative and dressing table, the preparation of material, performs minor surgery under the guidance of a doctor;
- b) practically acquainted with the process of preparation of the operative and dressing tables with sterilization of material and instrument.

The student accompanies the doctor as a direct assistant in emergency calls.

The student conducts health education work according to the plan of the department: in the wards – conversations with supervised patients, in a polyclinic (outpatient clinic) – individual or group conversations.

#### IV. Practice in obstetrics

The student works in a maternity hospital and a woman's consultation (3 days). Before the practice, the instructor conducts a conversation with the student about the gynecological deontology with special attention to the need for observing a sufficient tact in the collection of anamnesis and examination of pa-

tients in the maternity hospital and the woman's consultation. The work of the obstetrician-gynecologist is largely determined by the ability to win the trust of the patient, to find the right forms of communication with patient. In this conversation, we should especially stress the need for careful compliance with medical secrecy.

In the maternity department, the student gets acquainted with the basic principles of the sanitary-epidemiological regime of the maternity hospital: the structure of the maternity hospital, to keep up of sanitary-epidemiological regime in each department and its features, control over the health of staff, sanitation and the preparation of woman in childbirth for labor.

In the maternity hospital, the student must spend at least two shifts. The student performs examination of women in childbirth; collects general and obstetric-gynecological history, performs general examination, measurement of pelvis, external and internal obstetric examination, fills in the history of childbirth.

During daily work and on duty in the maternity hospital, the student under the guidance of a midwife helps women to give birth to a child, exactly for those women who had a labor, independently leads the postpartum and early postpartum periods, conducts preventive measures against bleeding, and fills in the history of childbirth. The student under the guidance of a doctor is trained in the most important obstetric methods and manipulations (bimanual examination, internal obstetric examination in labor, rupture of amniotic fluid, examination of the cervix in the mirrors and to suture the rupture, manual examination of the postnatal uterus and methods of struggle with hypotonic bleeding, instrumental curettage of the uterine cavity with incomplete early miscarriage, manual examination of the fetal with pelvic position, the toilet of a newborn and resuscitation measures during asphyxia).

In addition to on duty in the maternity hospital, the student must work for three days in the postpartum ward with the purpose to get acquainted with the principles of conducting the postpartum period.

The student observes maternity patients (temperature change, blood pressure and pulse, control involution of uterus, evaluation of quality and quantity of lochia, is trained to care of mammary glands and measures to prevent mastitis, the principles of hygiene of maternity patients).



In agreement with the attending physician, the student makes appointments and performs appropriate medical manipulations.

The student learns the period of newborns and the care for newborns in the children's department, learns the principles of prevention of toxic-septic diseases of newborns. The student, under the guidance of a midwife performs the primary toilet of the newborn, treats the umbilical cord, conducts the prevention of ophthalmic neonatorum, learns the order of nutrition of the newborn.

During the work in a postnatal ward, the student conducts health education conversations with the maternity patients.

In the women's consultation, the student must conduct at least 6-8 outpatient receptions of pregnant women.

The student under the guidance of a doctor collects an anamnesis, conduct general and special obstetric-gynecological examination fills in the necessary documentation, participates in the determination and issuance of maternity leave, and carries out the prevention of toxicosis of pregnant women.

The student under the guidance of a doctor examines gynecological patients (examination of the cervix in mirrors, internal examinations, taking smears from the urethra, vagina, cervical canal, methods of functional diagnosis-basal temperature measurement, dynamic observation of the phenomenon of the pupil, taking smears for cytology).

During the work in the women's consultation, the student conducts health education work among pregnant women, makes at least two home visits, takes part in the work of school motherhood, takes part in a reception in the social-legal office, participates in the psychophysical preparation of pregnant women for labor, takes part in a prophylactic examinations of women at work places.

During the duty in the maternity home, the student under the guidance of the responsible doctor on duty prepares the report on duty, reports independently for the duty at the morning medical conference, he analyzes in detail one of the most difficult cases of childbirth.

During the work in the women's consultation, the student summarizes and analyzes the results of daily work, paying special attention to the frequency of certain complications of pregnancy, makes an attempt to find out the reasons and outline the ways of their prevention.

## V. Practice in pediatrics

The students perform the following work in the hospital:

- familiarization with the structure and organization of the medical work of children's hospital and polyclinic;
- reception of sick children;
- under the guidance of the head of the department or a resident physician - examination of 5-8 patients;
- daily round, recording of diaries, clarification of clinical diagnosis, registration of epicrisis, interpretation of laboratory findings;
- jointly with a resident physician prescription and clarification of treatment;
- carry out series of manipulations: measurement of blood pressure, nasojejunal feeding, intravenous-infusion, participation in brain ultrasound, abdominal ultrasound, ECG; roentgenography of thoracic cavity, roentgenography of abdominal cavity, carrying out urography, participation in clinical and pathoanatomical conferences; post-syndrome therapy in emergency conditions (poisoning, acute renal failure, chronic kidney failure, coma);
- the ability to make extract from the case history, a medical certificate for attending school and pre-school institutions, sick- list (for mother);
- carrying out of health education work (lectures, conversation, sanitary sheet).

The students perform the following work in out-patient clinic:

- reception of healthy and sick children;
- visiting sick children at home;
- acquaintance with the patronage work;
- acquaintance with the principles of dispensary;
- participation in anti epidemical work;
- acquaintance with the basic medical documentation;
- carrying out of health education work
- vaccination.

## VI. The summing up of the practice

The student keeps a diary, in which he reflects daily all the work done by him, describes in detail the most interesting clinical observations, operations, the results of treatment, gives an analysis of the work of the departments. The diary must give a clear idea about the degree of independence of a student in

performing of a particular job Furthermore, obligatorily indicated the number of independently performed operations, bandagings, manipulations and procedures.

Check of diaries and reports is carried out by the head of the clinical department and the assistant of the medical academy and for each cycle they give a description of a work performed by the student and assess his work.

In special sections of the diary, the management of the basic institution and the assistant of the medical academy give a description of the work performed by the student and evaluate it also in sections:

- a) educational and research work;
- b) public-political and health education work.

In the diary of therapy and surgery, the student presents 5-6 detailed epirisis of supervised patients, and on obstetrics writes a case history of childbirth.

After the end of each cycle, meetings are held with a summary of the cycle and a differentiated evaluation of the student's work, and at the end of the practice, the teacher who led the practice makes a general assessment that is enters the student's grade book.

## CYCLE OF SURGERY

Basic instructor \_\_\_\_\_

from \_\_\_\_\_

to \_\_\_\_\_

Date	Content of performed work

Date	Content of performed work

Date	Content of performed work

Date	Content of performed work

Date	Content of performed work



Date	Content of performed work

Date	Content of performed work

Date	Content of performed work

Date	Content of performed work



Date	Content of performed work

Date	Content of performed work





# REPORT ON SURGERY PRACTICE

1. Examined patients at the hospital .....
2. Filled in case histories .....
3. Number of admissions in polyclinic .....
4. Patients in the polyclinic were accepted .....
5. Visits of surgical care at home .....
6. Number of duties in the surgical department .....
7. To put plaster of Paris .....
8. Number of departures on ambulance .....
9. Number of splint age .....
10. Fracture extention .....
11. Definition of blood groups, Rh factor .....
12. Intramuscular injections .....
13. Intravenous injections .....
14. Drip introduction of liquid .....
- a) intravenous .....
- b) subcutaneous .....
- c) through the rectum .....
15. Venipunctures .....
16. Blood transfusion .....
17. Pleural punctures .....
18. Lumbar punctures .....
19. Stomach lavage .....
20. Siphon enemas .....
21. Bladder catheterization .....
22. Anesthesia performed .....
23. Operations .....
- a) Performed by the student under the guidance of a doctor .....
- List of operations:
- 1) .....
- 2) .....
- 3) .....
- etc. ....
- b) ассистировал ассистентом .....
- assisted as an assistant List of operations: .....
- 1) .....
- 2) .....
- 3) .....
- etc. ....
- c) was present in the operations .....
24. Served instruments (how many times) .....
25. Made laboratory studies of surgical patients .....
- a) stomach sounding .....
- b) duodenal sounding .....
- c) others .....
26. Examination of patients in the roentgen room .....
- with roentgenologist .....
27. Work in the prosectorium: .....
- a) made an autopsy under the guidance of a doctor .....
- b) was present at autopsy .....
28. Other procedures (which, how many) .....

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Signature of the assistant or head of the practice

Signature of assistant manager

CYCLE THERAPY

Basic instructor \_\_\_\_\_  
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from \_\_\_\_\_

to \_\_\_\_\_

Date	Content of performed work

Date	Content of performed work



Date	Content of performed work

Date	Content of performed work

Date	Content of performed work

Date	Content of performed work

## REPORT ON THERAPY PRACTICE

1. Examined patients in the hospital .....
2. Filling in case histories .....
3. Carried out outpatient admissions .....
4. Carried out medical examination .....
5. Carried out departures on ambulance .....
6. Duties at the departments .....
7. Presence at morning conferences .....
8. Duty reports were made .....
9. Presence at Medical and Labor Expert  
Commission examined conscripts .....
- Other examinations .....
10. Presence at the conferences .....
- Participation on them .....
11. Participation in the work of the tuberculosis department  
Examination of patients .....
- Examined for early detection of tuberculosis .....
12. Presence at roentgenoscopy .....
13. Participation in laboratory and  
physiotherapeutic procedures of patients .....
14. Blood pressure measured .....
15. Internal injections done .....
- Intramuscular injections .....
- Subcutaneous injections .....
- Pleural punctures .....
- Sounding .....
16. Presence at autopsy .....
17. Work in the rooms of the functional diagnostics  
(Electrocardiogram, Phonocardiogram) .....
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Signature of the assistant or head of the practice

Signature of assistant manager





Date	Content of performed work

Date	Content of performed work

Date	Content of performed work

Date	Content of performed work



Date	Content of performed work

Date	Content of performed work

**PRACTICAL SKILLS IN OBSTETRICS**

- 1. Service maternity patients .....
- 2. Filling in and leading the history of childbirth .....
- 3. Done outpatient reception in consultation .....
- 4. Visit pregnant women at home .....
- 5. Carried out duties .....
- 6. Took delivery of primiparas .....
- 7. Took delivery of secundipara and tertiparas .....
- 8. Primary toilet of newborn .....
- 9. External obstetric examination:
  - a) in the maternity hospital .....
  - b) in the female consultations .....
- 10. Internal obstetric examination .....
- a) in labour .....
- b) during pregnancy .....
- c) of gynecological patients .....
- 11. Assisted obstetrical operations .....
- 12. Independently performed obstetrical operations and manipulations:
  - a) examination of cervix in the mirrors after labour .....
  - b) Stitching of perineum, vagina and cervical ruptures .....
  - c) Autopsy of amniotic fluid .....
  - d) Manual examinations of uterine cavity .....
  - e) Measures to prevent uterine bleeding in the early postpartum period.....
  - f) activities to revitalize the newborn .....
  - g) other obstetrical aids (which ones).....
- 13. Independently carried out:
  - a) to let blood for RV and other reactions from the vein .....
  - b) Taking smears on gonococcus and trichomoniasis .....
  - c) Internal infusions .....
- 14. Accepted to the consultation:
  - a) Pregnant women .....
  - b) Gynecological patients .....
- 15. Abortion .....
- 16. Acquaintance with methods of contraception .....
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Signature of the assistant or head of the practice

Signature of assistant manager





Date	Content of performed work

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Date	Content of performed work

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Date	Content of performed work





## REPORT ON PRACTICE OF PEDIATRICS

### Skills

#### In the hospital:

1. Number of days of work in the department .....
2. Number of patients .....
3. Participation in clinical conferences,  
professor's and docent's round .....
4. Participation in pathologicoanatomic conferences.....
5. Number of clinical clarification of diagnoses and epicrisis .....
6. Neonatology .....
7. Carried out enemas, work with gas discharge tubes .....
8. Resuscitation .....
9. Determination of blood pressure, pulse counting, number of breath per minute .....
10. Carrying out ECG .....

#### Outpatient Diagnostic Department

1. Number of days of work in the out-patient clinic .....
2. Feeding of baby:
  - a) primary .....
  - b) secondary .....
3. Number of children examined in out-patient clinic .....
4. Number of healthy children examined .....
5. Work in the room for medical procedures .....
- Work in the vaccination room .....
6. Administration of intramuscular injections .....
7. Health education (lectures, conversations) .....
8. Hygiene education of parents for healthy lifestyles .....

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Signature of the assistant or head of the practice  
Signature of assistant manager

