Approved by: Council of Medical Faculty Lithuanian University of Health Sciences, 22 June, 2017

Clinical medicine practice – part of the full-time integrated Medicine studies, during which the student gets practical skills and capabilities, and acquires clinical experience necessary for independent work in personal health care institutions under the supervision of tutor of clinical medical practice, according to the set program.

**Objective of clinical medicine practice –** to generalize and relate theknowledge and experience gained while studying the medical program during the first five years, to develop the ability to act in real clinical environment, to work in team, and to assess critically the limits of own capabilities.

**Aims of clinical medicine practice:**

* To develop the attitudes of professional activity – ability to act honestly and to follow the ethical obligations; to apply the principles of good medical practice, to secure the work quality; to think critically and self-critically; to be empathic, creative, to show initiative, to endeavor at the objective; and to have skills of interpersonal communications.
* To develop the professional behavior – ability to assess the limits of own capabilities, and to ask for help if necessary; ability to act in the circumstances of new situations; ability to act independently, to solve problems, to make decisions; ability to work together with other specialists; to organize and plan own activity.
* To develop professional experience – ability to learn independently and during the entire life, to apply the acquired knowledge in practice; to develop the skills of analysis and synthesis, and to conduct the scientific research.

To develop the **special** professional capacities, skills of good medical practice and effective clinical work:

* Consultation of patients (ability to collect anamnesis; to conduct medical examination; to make the conclusion of clinical evaluation and to make the related decisions; ability to explain and consult the patient; to provide confidence and support; to assess mental condition of the patient).
* Evaluation of clinical signs, prescription of tests, performance of differential diagnostics and formation of observation plan (ability to recognize, assess and describe the manifestations, course and symptoms of diseases; to prescribe the target tests and to interpret their results; to perform differential diagnostics; to make the appropriate plan of the patient’s observation and to discuss it with the patients and mentors; to monitor and treat the patients ill with chronic diseases properly.
* Provision of urgent medical aid, first medical aid and resuscitation (ability to recognize and assess systematically the acute health disorders and to start their treatment; to provide first medical aid; to resuscitate and support main vital functions; to maintain all vital functions; to treat traumas).
* Prescription of treatment (ability to describe the action mechanisms of medicine; to prescribe adequate and suitable treatment; to select suitable medicine and other treatment methods according to the clinical situation, to assess their potential benefit and damage; to treat pain and stressful situations).

* Ability to apply the principles, methods and knowledge of biomedical sciences (anatomy, histology, genetics, immunology, micro-biology, pathology, physiology, biochemistry, pharmacology, etc.) in practice.
* Effective communication in medical practice: to communicate with the patients, relatives of the patients, the disabled and colleagues clearly, sensitively and effectively.
* Application of ethical and legal principles in medical practice
* Assessment of the influence of psychological and social aspects on the patient’s disease: ability to recognize and assess the impact and influence of the psychological, behavioral and social factors, including the addiction to alcohol, on the health, morbidity, manifestation of diseases, and to react to them with explanation, advice or persuasion.
* Application of evidence-based medical principles, skills and knowledge: ability to apply practically the scientifically based evidence encountered while searching systematically for suitable information sources and assessing them critically.
* Efficient usage of information and information technologies in medical practice: ability to apply practically the scientifically based evidence encountered while searching systematically for suitable information sources and assessing them critically.
* Application of scientific principles, methods and skills in medical practice and research.
* Promotion of healthy lifestyle, application of knowledge about prevention of diseases.

**METHODS OF CLINICAL MEDICINE PRACTICE**

Clinical Medicine Practice is performed following Clinical Medicine Practice program approved by the LSMU Council of Faculty of Medi-cine, according to Clinical medicine practice Regulation (approved by Senate 08 03 2015).

The volume of Clinical Medicine Practice studies – 30 credits.

Clinical Medicine Practice is organized in six cycles:

* 1. Practice of CPR/AED skills (2 days), Practice of psychological help, communication and skills (3 days) – 1week
1. Internal Diseases (6 weeks)
2. Surgery/ Orthopedics and Traumatology (6 weeks)
3. Children Diseases (3 weeks)
4. Obstetrics and Gynecology (3 weeks)
5. Emergency Medicine (1week)

The practice of CPR/AED skills (2 days) shall be performed in the LUHS Department of Emergency Medicine during the first week of the practice, according to the announced schedule of sessions, while the practice of psychological help, communication and skills (3 days) shall be performed in the LUHS Department of Health Psychology.

When the student arrives to the practical base of clinical medicine, it shall address the appointed tutor of practical clinical medicine, who will provide schedule of practical work of clinical medicine and duty schedule.

The length of studies – 40 hours weekly.

The students must be on duty (at night and/or on weekends) for 4 times during the cycles of Internal diseases and Surgery/Orthopedics-Traumatology, and twice during the cycles of Children diseases and Obstetrics and Gynecology.

The exceptions of being on duty are described in the clause 40 of the Regulation. Provided it has been coordinated with the tutor of clinical medical practice, the student may perform half of the practice of the cycle of internal diseases in the emergency (reception) department by supervising patients of certain profile. The students shall perform the practice of Surgery and Orthopedics-Traumatology in the emergency department and inpatient department by supervising patients of certain profile, according to the program (approximately half of the time to each). The student shall perform the emergency cycle in the (reception) department. The duration of practice of initial resurrection and AID skills is 2 days executed in LSMU Department of Disaster medicine during the last week of the practice, according to the formed schedule (it shall be announced 4 weeks in advance).

Coordinator of clinical medical practice – vice dean of the Center for Postgraduate Studies at the University.

Tutor of clinical medical practice – health care professional, who works in the practical base of clinical medicine and who has at least 3-year work experience, according to the professional qualification. He is appointed by the manager of the practical base of clinical medicine after it has been agreed with the University.

During the clinical medical practice, the students may get consulted regarding theoretical and practical issues individually by the lecturers from the clinics of Surgery, General Surgery, Internal Diseases, Orthopedics-Traumatology, Infectious Diseases, Children Diseases, Obstetrics and Gynecology, if the consultation time is agreed with the lecturer or the clinic’s manager.

**The consistent and tidy completion of the Diary of Clinical medicine practice** is a mandatory part of studies. The student shall register theacquired mandatory skills in general table during each cycle of the practice of clinical medicine (the additional page may be inserted if it is short of place). In the end of the cycle the number of the acquired skills/capacities, which is recorded in the table, shall be calculated and entered into summary table of acquired mandatory skills/capacities of each cycle.

In the end of each study cycle the tutor of clinical medical practice shall make an entry confirming the acquired practical skills and capacities and shall sign the cycle’s credits. If the student has not acquired certain skills and/or capacities, the tutor of practice of clinical medicine shall give objective reasons, which have prevented it, and recommendations, how to acquire them, in the next cycle or during the extra time. The coordinator of clinical medical practice shall give the final attestation of clinical medical practice after student having presented the tidily completed daybook of clinical medical practice in presence of all granted credits of the rests and in absence of data about defects of program’s execution, by signing in the daybook or credit book.

During the clinical practice the student shall **carry out the scientific** **work** (data collection) individually and if necessary, through consultationswith the supervisor of chosen scientific work in certain LUHS profile clinic or department. The results of the scientific work are presented after the work report and presentation have been prepared during the 12th semester (Preparation and presentation of the scientific work).

If the student encounters circumstances, which prevent him to implement the study program, the supervisor of clinical medical practice or manager of the base shall notify the coordinator of clinical practice or dean of the Center of postgraduate studies hereof without delay.

When the clinical practice is completed, the tidily filled daybook of clinical medical practice is submitted and in absence of data about drawbacks of the study program’s implementation, the coordinator of clinical medical practice of LUHS Center of postgraduate studies shall make an entry “done” and sign in the student’s book of studies.

Student becomes eligible for **final internship exam**, organized by the Final Examination Commission of the Faculty of Medicine. The Commission consists of the Commission chairman, the secretary and the lecturers of the program subjects working at the University and having an academic education title, study administrators.

**The general medical practical skills and knowledge acquired not only during the clinical practice, but also during the entire study period (integrated internship) shall be evaluated during the final practical exam.**

The internship exam is organized by OSCE (objective structured clinical examination) method. It takes place at the Hospital of Lithuanian University of Health Sciences in therapeutic profile clinics (Pulmonology and Immunology, Cardiology, Gastroenterology, Hematology, Endocrinology, Nephrology, Rheumatology, Internal Diseases, Infectious Diseases and Geriatrics), surgical profile clinics (Surgery, Children Surgery, General Surgery, and clinics of Orthopedics and Traumatology), at the Clinic of Children Diseases, at the Clinic of Obstetrics and Gynecology and at the Department of Disaster Medicine

The examination takes place in 15-20 stations (the station lasts for 5-10 minutes). The student’s skills to question and communicate with the patient, to carry out the actions of objective testing, to form the testing plan, to interpret the testing results, to substantiate and form the diagnosis, to prescribe treatment, and to carry out the clinical actions or procedures are assessed.

The topics and tasks of the stations, as well as the requirements for the examination have to satisfy the study program of clinical modules and clinical medical practice (see sections of such program:

Results of clinical medical practice. II.

Results of clinical medical practice. III.

Practical skills and capacities, which have to be gained during clinical medical practice)

Failed final practical examination of Medicine study program exam (internship) can be retaken in accordance to University Regulations.

Students who have terminated the study program of Medicine and who have passed the final program and internship examinations receive the Higher Education Diploma and the internship certificate, confirming the professional qualification of the Doctor of Medicine.