

Short description for the course

According to the Curriculum the discipline "Internal Medicine" is taught to 4th -6th year students. The organization of the educational process is carried out under the European Credit Transfer and Accumulation System (ECTS)

The syllabus of "Internal medicine, including endocrinology, medical genetics" for the 4th year students includes the basics of internal medicine and its main subjects (endocrinology, medical genetics, gastroenterology, pulmonology, hematology, general issues of internal medicine) with the emphasis being on the study of etiology, pathogenesis, clinic, diagnosis, treatment and prevention of major and most common diseases of internal organs.

Teaching of the basics of endocrinology to the 4th year students is carried out in the form of a module 1. Duration of the practical classes - 4.0 hours. The main purpose of this course is to study the basics of internal medicine. The emphasis is on developing the skills of conducting a patient's interview and clinical examination of a patient, carrying out diagnosis and differential diagnosis, treating and preventing diseases of the internal organs, diagnosing and providing emergency medical care as well as performing medical manipulations. Students participate in the diagnosing and therapeutic treatment of the patients under the teachers' guidance. Getting acquainted with and mastering the most common procedures in endocrinology are also included. Practical classes, participating in clinical rounds with assistant professors, associate professors and professors of the department are the main part of this course. Each student records and reports clinical data on the examined patients and writes their anamnesis morbi on a daily basis.

Types of classes according to the curriculum are: a) lectures, b) practical classes, c) independent work of the students.

Thematic unit plans of lectures, practical classes and independent work reveal the problematic issues pertaining to different sections of internal medicine. Didactic tools (multimedia presentations, slides, educational videos, demonstration of patients) are used throughout the course of lectures. The lectural and practical parts of the course are made so that the lectures precede the relevant practical activities.

Practical classes are held on the clinical bases of the department. Practical classes on internal medicine have goal to:

- make the student part of the process of providing medical care to the patients from the moment of their hospitalization throughout their examination, making a diagnosis and the process of treatment until they are discharged from the hospital;
- master professional practical skills and teamwork skills in a group of students, doctors, other participants in the process of providing medical care;
- For the students, as future medical professionals, to pay attention to and develop a sense of responsibility for the importance of the quality of their professional qualifications, their improvement during training and professional activities.

To implement mentioned above, it is necessary to provide the students with a detailed plan of work in the clinic and provide conditions for its implementation on the first lesson of the appropriate module. This plan should include:

- studies to be learned by the students (or to get acquainted with);
- algorithms (protocols) of examinations, diagnostics, treatment, prevention in accordance with the standards of evidence-based medicine;
- management of the patients carried out by the students during while studying the discipline;
- reports of the patients' anamnesis morbi in their students group, during clinical rounds, on practical conferences.

Managing of the patients involves:

- finding out the patient's complaints, his/her anamnesis morbi and anamnesis vitae, conducting questioning on different organs and systems;
- physical examination of the patient and determination of the main symptoms/syndromes of the disease;
- analysis of the laboratory and instrumental research results;
- making a diagnosis;
- advising treatment;
- determining primary and secondary prevention measures;
- making a report on the patient's examination results by a team of students in their group,

analysing the correctness of the diagnosis, differential diagnosis, advised examination, chosen therapeutic tactics, prognosis and work productivity assessment and preventive measures under the guidance of the teacher.

It is recommended that practical classes include:

- measuring the students' level of knowledge using multiple-choice tests with 5 options with only one of which being correct and checking their workbooks;
- treating 1-2 patients with diseases and conditions relevant to the topic of the lesson, followed by discussion of the correctness of diagnosis, differential diagnosis and therapeutic measures using the principles of evidence-based medicine and in accordance with National and European guidelines and protocols;
- analysis of the results of some additional tests pertaining to the topic of the practical class (laboratory and instrumental) used in establishing the diagnosis and differential diagnosis
- measuring the students' level of knowledge using tests of the same format.

On their practical classes, students are advised to keep protocols in which they should write down brief information on the patients, established diagnosis, examination plan and prescribed treatment.

Independent and individual work of the students makes up 21% of the curriculum, it is an integral part of the educational activities and is included in the credits of each module and discipline. It includes:

- preparation for the practical classes;
- practicing ICPC;
- preparation and writing up the history of the disease;
- mastering practical skills;
- preparation for final test;
- making notes in the workbook regarding the topic of the class.

The department's medical professionals provide students with the opportunity to carry out independent work which they supervise and assess during the practical classes and the final test.

Departments of endocrinology have the right to make changes to the curriculum within 15%.

Understanding of the current topic is controlled at each practical class and internalising of the content module (final test) is assessed at the last practical final class. It is recommended to use the following means of assessing the level of the students' knowledge: test tasks, solving situational problems, conducting laboratory tests and assessing their results, analysing and evaluation of the results of instrumental studies and parameters that characterize the functions of the human body, controlling mastering of the practical skills and medical manipulations.

The final test is taken place at the last practical class and is supervised by the teacher of the department according to the schedule approved at the methodological meeting of the department. The students achievements are assessed by a multi-point scale.

For those students who want to improve their mark in a discipline upon completion of the study, the curriculum allows to retake the final test within a certain period of time.