

ABSTRACT

OF THE ACADEMIC DISCIPLINE

"BASICS OF INSTRUMENTAL DIAGNOSTICS OF INTERNAL ORGANS"

(course of choice)

Educational program "MEDICINE"

Speciality: 222 "MEDICINE"

THE PURPOSE OF THE COURSE

The purpose of the course is to present the main instrumental methods attitude to the diagnosis of internal organs, the formation of the ability to apply knowledge of therapy with an assessment of research results in further education and in professional activities.

It is based on subjects previously studied by students such as "Anatomy", "Physiology", "Pathological Physiology", "Propedevtics of Internal diseases"

Modern research in the field of fundamental sciences has led to dramatic changes in the interpretation of a number of common diseases of internal organs, which need to review existing approaches to diagnosing these Diseases. Instrumental diagnostics of internal organs is not an effective goal, but addition to the history and data of physical examination. Patients do not turn to the doctor to make a spirogram, electrocardiogram, ultrasonic internal organs, and in order to check the health or find out the cause of certain symptoms. However, instrumental diagnostics is necessary part of the patient's study, which further determines the tactics of the Treatment. Specialists of any medical specialty should understand the the most common screening methods of instrumental diagnostics.

CONTENTS OF THE DISCIPLINE

Basics of spirometry as a method of graphical registration of changes in pulmonary volumes and pressures during respiratory movements, which allows to determine indicators that integratively characterize lung ventilation.

Electrocardiography as a method of evaluating the electrical function of the heart.

Echocardiography. Ultrasonography of the abdominal cavity.

X-ray methods of study of respiratory and heart organs. Endoscopic

methods of study of circulatory organs, respiration, digestion. Magnetic resonance imaging. Radionuclide scanning and biopsy.

SCOPE OF STUDY OF ACADEMIC DISCIPLINE

3 ECTS credits