

*Summary of the working program of the academic discipline*

**«BASICS OF FUNCTIONAL DIAGNOSTIC IN INTERNAL MEDICINE»**

(name of the academic discipline)

General Educational Program of higher education (specialist's degree programs )

**31.05.01 GENERAL MEDICINE**

Department: **ENDOCRINOLOGY AND INTERNAL DISEASES**

**1. The purpose of mastering the discipline** (*participation in the formation of relevant competencies – specify the codes*): to master the modern methods of functional diagnostic (PC-6)

**2. Position of the academic discipline in the structure of the General Educational Program (GEP).**

**2.1.** The discipline refers to the part formed by the participants of educational relations of Block 1 of GEP HE specialty 31.05.01 "General Medicine".

The discipline is taught in 7 semester/ 4 year of study.

**3. Deliverables of mastering the academic discipline and metrics of competence acquisition**

Mastering the discipline aims at acquiring the following universal (UC) or/and general professional (GPC) or/and professional (PC) competencies

№	Competence code	The content of the competence (or its part)	Code and name of the competence acquisition metric	As a result of mastering the discipline, the students should:		
				know	be able to	possess
	PC-6	To be able to refer the patient for laboratory, instrumental examination, for consultation with specialist doctors if there are medical indications in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care, and refer the patient for specialized medical care in an	IPC-6.1 Know: general organization issues medical care population methods laboratory and instrumental research to assess the state of health, medical indications for research, rules their interpretation results; orders medical care, clinical recommendations (treatment protocols) on the provision of medical care, medical standards help IPC-6.2 To be able to: substantiate	Functional methods for studying the cardiovascular system and respiratory organs Modern possibilities of functional diagnostics and principles of working with diagnostic equipment Fundamentals of electrocardiographic diagnostics	Determine the indications for an electrocardiographic study, daily monitoring of the ECG and blood pressure, spirometry. Record and interpret the electrocardiogram. Prepare devices for monitoring ECG and blood pressure. Draw up a protocol for daily monitoring	Electrocardiograph skills: - turning on the device, setting the recording parameters; - the location of the electrodes on the patient's body; Principles of interpreting an electrocardiogram and writing a conclusion. The methodology for

	inpatient setting or in a day hospital if there are medical indications in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care, taking into account the standards medical care	the need and scope of laboratory examination of the patient; substantiate need and scope instrumental examination of the patient; substantiate need referral of the patient for consultations with medical specialists; define medical indications for rendering ambulance, including emergency specialized medical care	. The method of daily monitoring of ECG and blood pressure. Methodology and principles of analysis of heart rate variability. Fundamentals of the study of the function of external respiration	of ECG and blood pressure. Prepare the spirograph for work and conduct a study of the function of external respiration, interpret the results.	conducting and evaluating the results of daily monitoring of ECG and blood pressure. The method of spirometry, the diagnosis of obstructive and restrictive disorders of the function of external respiration.
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#### 4. Volume of the academic discipline and types of academic work

Type of educational work	Labor intensity		Labor intensity (AH) in semesters
	volume in credit units (CU)	volume in academic hours (AH)	
			7
Classroom work, including	1	22	22
Lectures (L)	0,11	4	4
Laboratory practicum (LP)*	-	-	-
Practicals (P)	0,5	18	18
Seminars (S)	-	-	-
Student's individual work (SIW)	0,39	14	14
Mid-term assessment			
credit/exam ( <i>specify the type</i> )		credit	credit
<b>TOTAL LABOR INTENSITY</b>	<b>1</b>	<b>36</b>	<b>36</b>

#### 5. Sections of the academic discipline and competencies that are formed

№	Competence code	Section name of the discipline
1.	PC-6	Principles of registration and interpretation of the electrocardiogram
2.	PC-6	Methods of investigation of function of external respiration
3.	PC-6	Electrocardiographic diagnosis of rhythm and conduction disorders
4.	PC-6	Electrocardiographic diagnosis of coronary heart disease.
5.	PC-6	Analysis of heart rate variability
6.	PC-6	Technique for daily monitoring of ECG and blood pressure.