

Short description of the discipline (abstract)  
for the catalog of elective subjects

## **ECG diagnostics of the heart pathology**

(name of the elective course)

<b>Specialty</b>	Medicine - 222
<b>Educational degree</b>	Master
<b>Training course</b>	6
<b>Form of study</b>	Full-time
<b>Department</b>	Internal Medicine, Clinical Pharmacology and Occupational Diseases

### **Summary of the subject:**

The program of the elective course "ECG diagnostics of the heart pathology" involves improving of the students' knowledge of ECG diagnostics in the clinic of internal medicine, mastering the methods of ECG diagnostics in practice, mastering the modern algorithms for interpreting its results with further analysis of the nature and severity of vital disorders at the each stage of disease development, the formation of a clear idea of the relationship between the pathogenesis of the disease and its clinical and instrumental manifestations.

The main task of the student, as well as, the doctor in the clinic of internal medicine is the ability to diagnose the particular and prescribe treatment best for the patient, based on complaints and physical examination of the patient, data of additional research methods.

### **Approximate list of topics for practical classes:**

1. ECG registration training. ECG signs of hypertrophy of the heart chambers.
2. ECG diagnosis and emergency care in conduction disorders.
3. ECG diagnosis and emergency care for excitability disorders.
4. ECG diagnosis and emergency care for Acute Coronary syndrome and Pulmonary Thromboembolism.
5. ECG diagnosis of inflammatory and non-inflammatory heart diseases.

### **The list of competencies that will be provided by the discipline:**

#### **General competencies:**

GC1	Ability to abstract thinking, analysis and synthesis, to learn and be modernly trained.
GC2	Ability to apply knowledge in practical situations
GC3	Knowledge and understanding of the subject area and understanding of

	professional activity
GC4	Ability to adapt and act in a new situation
GC5	Ability to make an informed decision; work in a team; interpersonal skills
GC6	Ability to communicate
GC7	Skills in the usage of information and communication technologies
GC8	Definiteness and perseverance in terms of tasks and responsibilities
GC9	Ability to act socially responsibly and consciously

**Special (professional, subject) competencies:**

SC1	Skills of interviewing and clinical examination of the patient
SC2	Ability to determine the required list of laboratory and instrumental studies and evaluate their results
SC7	Ability to diagnose emergencies
SC8	Ability to determine the tactics of emergency medical care
SC9	Emergency care skills
SC11	Skills to perform medical manipulations
SC17	Ability to keep medical records

**The list of scientific and pedagogical employees who will ensure the conduct of the discipline:**

№	Surname, name	Scientific degree	Academic title	Certification training
1	<b>Shorikov Eugene</b>	PhD, MD, professor, Doctor of Med. Scien.	Professor	2020
2	<b>Shorikova Dina</b>	PhD	Associate Professor	2017
3	<b>Pavlukovich Natalie</b>	PhD	Associate Professor	2021
4	<b>Tkach Elisaveta</b>	PhD	Associate Professor	2020

Head of the Department of Internal Medicine,  
Clinical Pharmacology  
and Occupational Diseases, MD, prof. \_\_\_\_\_ Oksana KHUKHLINA