

Discipline annotation

Functional diagnostics

Specialty 31.05.01 General Medicine (specialty)

The total complexity of studying the discipline is 108 hours

Full-time form of education

The work program of the discipline "Functional diagnostics" was compiled on the basis of the Federal State Educational Standard of Higher Education in the specialty 31.05.01 General Medicine approved by the Ministry of Education and Science of the Russian Federation "9" February 2016, the curriculum for the specialty 31.05.01 General Medicine, approved by the Academic Council of the State Budgetary Educational Institution of Higher Professional Education SOGMA of the Ministry of Health of Russia " August 31, 2020, minutes No. 1.

The purpose of studying the discipline is deepening and acquiring new knowledge and practical skills of registration, analysis and clinical interpretation of electrocardiograms, correct interpretation of normal and pathological electrocardiograms.

Place of discipline in the structure of the main educational program

The discipline "Functional diagnostics" refers to the variable part of block 1 of the Federal State Educational Standard of Higher Education in the specialty "General Medicine".

Requirements for the results of mastering the discipline:

The process of studying the discipline is aimed at the formation and development of competencies:

GPC-9, PC-5, PC-6

As a result of studying the discipline, the graduate student must

be able to:

1. Evaluate ECG recording technique (find leads, estimate the speed of the tape, voltage, the presence of interference, etc.)
2. Conduct an ECG analysis with a characteristic of the constituent elements of the ECG
3. Identify the most frequent changes in the elements on the ECG.
4. Find on the ECG signs of changes characteristic of the main ECG syndromes:
 - rhythm disturbances
 - conduction disturbances
 - atrial and / or ventricular hypertrophy

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- changes in the myocardium during ischemia, necrosis, electrolyte imbalance, etc.

5. Make an ECG conclusion

The main sections of the discipline:

1. Electrophysiological bases of ECG. Genesis of ECG waves. Electrocardiographic leads;
2. Electrocardiograph device and ECG recording technique;
3. Electrocardiographic characteristics of heart hypertrophy;
4. Heart rhythm disorders. ECG signs;
5. ECG for cardiac conduction disorders;
6. ECG diagnostics of ischemia, myocardial infarction;
7. HM ECG - the essence of the method;
8. Stress tests in cardiology

Head of Department

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