

Head of the department

«Approved»
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**Themes of seminars of the educational discipline Secrets of electrocardiography
for students of 4 course field of knowledge 22 «Health care» specialty 222 «Medicine»**

Themes of practical classes

№	Theme	Hours
1.	Theme 1 Practical lesson 1 Conductive system of the heart. Electrophysiological basics of ECG. Normal ECG. Conductive system of the heart. The basic rules for applying electrodes during ECG recording. Normal ECG parameters: teeth, intervals, segments	2
2.	Theme 1 Practical lesson 2 Heart rate and conduction analysis. Analysis of the regularity of heart contractions. Determination of the source of excitation: (sinus rhythm, atrial rhythm, rhythm from the AV junction, ventricular (ideoventricular rhythm). Electrical axis of the heart (EAH). ECG analysis algorithm. Examples of connection formation.	2
3.	Theme 1 Practical lesson 3 ECG in hypertrophies of different parts of the heart ECG changes in hypertrophy of the left and right atria, left and right ventricles.	2
4.	Theme 2. Practical lesson 4. ECG - criteria of ischemia. ECG diagnosis of myocardial infarction. Imposition of MI on the ECG.	2
5.	Theme 2. Practical lesson 5. Violation of heart rhythm on ECG. Sinus brady-tachycardia. Sinus arrhythmia. ECG criteria for diagnosing atrial fibrillation (AF), atrial flutter (AF).	2
6.	Theme 2. Practical lesson 6. ECG criteria for diagnosis of extrasystoles and ventricular arrhythmias (ventricular tachycardia, ventricular fibrillation, WPW syndrome).	2
7.	Theme 3. Practical lesson 7. Impulse conduction disorders: ECG diagnosis of sinoatrial, AV, intraventricular blockades.	2
8.	Theme 3. Practical lesson 8. Cardiac conduction disorders: diagnostic criteria for intraventricular blockades: blockades of the left and right branches of the bundle of His. Test	2
Total		16