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**MEDICAL UNIVERSITY - PLEVEN
FACULTY OF MEDICINE**

DISTANCE LEARNING CENTRE

CARDIOLOGY, PULMONOLOGY AND ENDOCRINOLOGY

LECTURE 2

FOR DISTANCE LEARNING IN CARDIOLOGY

FOR MEDICAL STUDENTS

TITLE: „Main Characteristics of the normal ECG”

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1. Aim of the practical exercise – introduction to normal ECG, algorithm of ECG reading
2. Methods for achieving the aim:
 - 2.1. Theoretical basis
 - Main elements of the normal ECG
 - Main principles of the ECG reading – determination of the rhythm, determination of the electrical position, determination of the heart rate.
 - Main pathological changes.
 - Preparation of conclusion.
 - 2.2. ECG reading algorithm - determination of the rhythm, determination of the electrical position, determination of the heart rate, measurement of the segments and intervals and their interpretation; interpretation of the PQ interval, QRS complex, T wave, ST segment. Evaluation of ischaemic changes, rhythm and conduction disorders.
 - 2.3. Independent ECG reading
 - 2.4. Building the conclusion of ECG reading
3. Checking the extent of knowledge by a test.