



Emergency Medical Technician: Using a Noninvasive Cardiac Monitoring Device	KBEMS E-35
Kentucky Required Mandatory Supplemental Curriculum: <i>Application of Electrocardiogram Electrodes, use of a Cardiac Monitor, and Acquisition & Transmission of a 12-Lead ECG</i>	

Upon completion of the course, the student shall be able to:

1.	Describe the incidence, morbidity, and mortality of cardiovascular disease.
2.	Discuss prevention strategies that may reduce the morbidity and mortality of cardiovascular disease.
3.	Identify the risk factors most predisposing to coronary artery disease.
4.	Describe the anatomy of the heart: a) Including the position in the thoracic cavity b) Layers of the heart c) Chambers of the heart d) Location and function of cardiac valves
5.	Define the following clinical terms: a) Ischemia b) Injury c) Infarct
6.	Identify the structure and course of all divisions and subdivisions of the cardiac conduction system.
7.	Explain the purpose of 12-Lead ECG monitoring and its limitations.
8.	Identify patient situations where 12-Lead ECG interpretation is indicated.
9.	List and describe the assessment parameters to be evaluated in a patient with a suspected myocardial infarction.
10.	Identify the anticipated clinical presentation of a patient with a suspected acute myocardial infarction.
11.	Describe the time window as it pertains to reperfusion of a myocardial injury or infarction.
12.	Identify those situations that adversely affect the proper acquisition of a 12-lead ECG.
13.	List the methods to deliver the 12-lead ECG to the receiving facility.
14.	Demonstrate proficiency with a 12-lead ECG monitor.
15.	Demonstrate proficiency in the correct and accurate placement of leads in preparation to acquire a 12 lead ECG.
16.	Demonstrate proficiency in the transmission of the 12-lead ECG.
17.	Demonstrate proficiency in the trouble shooting of the following problems: a) Failure to acquire b) Failure to transmit c) Interference