WMMC FOUR-DAY EKG COURSE

Dear Attendees:

Welcome to your 4-day EKG course. All course days are from 8:30 am to 4:30 pm with a one hour lunch break. In order to make your learning opportunity successful you must do the following prior to attending the course:

- 1) Pick up book 1 week (minimum) prior to start of class
- 2) Review completely chapter 1 on Anatomy and Physiology
- 3) Review completely chapter 2 on EKG Electrophysiology
- 4) Review completely chapter 3 on Sinus Rhythms
- 5) Begin review of chapter 4 on Atrial Rhythms

Books are required to be brought to each class. During the course, you will have the opportunity to work on some practice strips in your book. However, these practices are brief and require additional outside study time.

Therefore, after each day you will have homework including the following:

- Read and review completely next set of assigned chapters (Prior to Day 2 chapters 4, 5, and 7 Day 3 chapters 6, 7, and 8 Day 4 all chapters reviewed 1-8)
- Work on practice strips in each chapter, prior to taking test—when comfortable with strips complete weekly test.
- 3) Complete and bring to class TAKE HOME TEST. There will be 3 take home tests and one final. Each test will be ¼ of grade. Each take home test must be completed and turned in at beginning of each class day NO EXCEPTIONS.
- 4) Incomplete tests will be not be accepted and the student will not be allowed to continue to next session.
- 5) The FINAL EXAM** will be taken on the last day in class. Students will be unable to pass the final written exam without completing the above requirements.

We hope this information will answer any questions regarding the 4-day EKG course

Thank you Safety Training Plus

**Upon successful completion of class, CEU's will be given for first time class attendees. Please contact Safety Training Plus at 1-888-795-6683 to verify qualification for CEU's.

ID: A

Take	Ног	Home Test Day 1 Sinus Rhythms			
True/I	False	False se whether the sentence or statement is true or false.			
Process States	1.	1. Blood pressure is the result of cardiac output and peripheral vascular res	istance.		
	2.	2. Stimulation of beta-adrenergic receptor sites will result in peripheral vas	oconstriction.		
	3.	If the wave of depolarization (electrical impulse) moves toward the positive electrode, the waveform recorded on ECG graph paper will be upright (positive deflection).			
	4.	If the wave of depolarization (electrical impulse) moves toward the positive electrode, the waveform recorded on ECG graph paper will be inverted (negative deflection).			
	5.	In lead MCL1, the negative electrode is placed on the left arm and the positive electrode is placed to the right of the sternum, fourth intercostal space.			
Multi Identij	ple C	ole Choice y the letter of the choice that best completes the statement or answers the question.			
	6.	6. The inferior surface of the heart is formed by the: a. Right and left atria b. Right and left ventricles c. Left atrium and left ventricles d. Right atrium and right ventricles			
	7.	7. The is the largest vein that drains the heart.			
		a. Inferior vena cava c. Anterior cardiac vein			
		b. Coronary sinus d. Great cardiac vein	triala		
	8.	8. Blood flows from the right atrium through the valve into the right a. Aortic c. Mitral	venificie.		
		a. Aortic c. William b. Pulmonic d. Tricuspid			
	9.	9. "Chronotropy"refers to an effect on:			
		a. Force of contraction			
		b. Heart rate			
		c. Bronchial smooth muscle			
		Speed of conduction through the AV node	To d book to		
	10.	10. In most patients, the sinoatrial (SA) and atrioventricular (AV) nodes are	supplied by the		
		coronary artery. a. Left anterior descending c. Left circumflex			
		b. Right d. Left main			
	11.	11. The normal pacemaker of the heart is the, which is found in the _			
	UTUART TO	a. SA node; left atrium c. SA node; right atrium			
		b. AV node; right atrium d. AV node; left atrium			
	12.				
· ·		a. Q wave c. S wave			
		b. R wave d. T wave			

Name: _____ Date: _____

	ID: A
b. Right arm d. Right leg	
complex	
apex of the T wave	
c. Begins with the onset of the QRS complex and terminates with the end of the T wave	
Begins with the onset of the P wave and terminates with the beginning of the QRS complex	
In sinus arrhythmia, a gradual decreasing of the heart rate is usually associated with:	
b. Inspiration	
c. Excessive caffeine intake	
d. Early signs of congestive heart failure	
On the ECS when do the SI-region on a "wave represent?"	
ach sentence or statement.	
The right atrium receives deoxygenated blood from the	
carries blood from the lower body), and the	_ (which
(which receives blood from the intracardiac circulation).	21
is the period during which a heart chamber is contracting and bloo	
being ejected.	od is
being ejected.	od is
being ejected. is the period of relaxation during which a heart chamber is filling. The absolute refractory period is also known as the refractory period.	
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is the period of relaxation during which a heart chamber is filling. The absolute refractory period is also known as the refractory period refers to the ability of cardiac muscle cells to respond to an external	od.
is the period of relaxation during which a heart chamber is filling. The absolute refractory period is also known as the refractory period refers to the ability of cardiac muscle cells to respond to an externation stimulus, such as that from a chemical, mechanical, or electrical source.	od.
is the period of relaxation during which a heart chamber is filling. The absolute refractory period is also known as the refractory period refers to the ability of cardiac muscle cells to respond to an externational stimulus, such as that from a chemical, mechanical, or electrical source. Example 1. The absolute refractory period is also known as the refractory period refers to the ability of cardiac muscle cells to respond to an externational stimulus, such as that from a chemical, mechanical, or electrical source. Example 2. The absolute refractory period is also known as the refractory	od.
	b. Right arm d. Right leg The absolute refractory period: a. Begins with the onset of the P wave and terminates with the end of the QRS complex b. Begins with the onset of the QRS complex and terminates at approximately the apex of the T wave c. Begins with the onset of the QRS complex and terminates with the end of the T wave d. Begins with the onset of the P wave and terminates with the beginning of the QRS complex In sinus arrhythmia, a gradual decreasing of the heart rate is usually associated with: a. Expiration b. Inspiration c. Excessive caffeine intake d. Early signs of congestive heart failure The right atrium receives deoxygenated blood from the

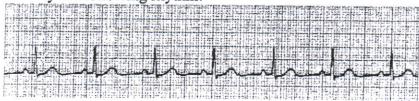
- 24. Name the first positive deflection seen after the P wave on the ECG.
- 25. Indicate the inherent rates for each of the following pacemaker sites:

Sinoatrial (SA) node:

Atrioventricular (AV) junction:

Ventricles:

- 26. List four (4) properties of cardiac cells.
 - 1.
 - 2.
 - 3.
 - 4.
- 27. List three (3) uses for ECG monitoring.
 - 1.
 - 2.
 - 3.
- 28. List the ECG leads that view the heart in the horizontal plane, allowing a view of the front and left side of the heart.
- 29. On the ECG, what do the ST-segment and T wave represent?
- 30. What is a biphasic waveform?
- 31. List three (3) causes of artifact on an ECG tracing.
 - 1.
 - 2.
 - 3.
- 32. Identify the following rhythm:



Identification:

33. I lentify the following rhythm:

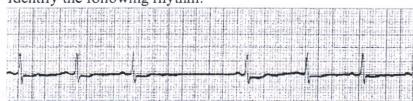


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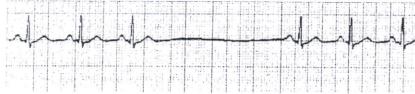
Rate
Rhythm
P waves
PR interval
QRS duration
QT duration
Identification:

35. Identify the following rhythm:



Rate
Rhythm
P waves
PR interval
QRS duration
QT duration
Identification:

36. Identify the following rhythm:



Rate
Rhythm
P waves
PR interval
QRS duration
QT duration
Identification:

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37	Complete the following ECG criteria for a sinus rhythm. Rate Rhythm P waves PR interval QRS duration	
38.	Complete the following ECG criteria for a sinus tachycardia. Rate Rhythm P waves PR interval QRS duration	
	Complete the following ECG criteria for a sinus arrest. Rate Rhythm P waves PR interval QRS duration	
40.	List three (3) significant signs and/or symptoms that, if observed with a sinus bradycardia, wou require management of this dysrhythmia. 1. 2. 3.	ıld
41.	Identify the following rhythm:	
	Rate Rhythm P waves PR interval QRS duration QT duration Identification:	



Rate

Rhythm

P waves___

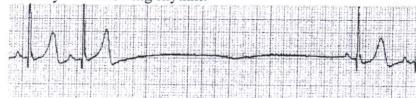
PR interval

QRS duration____

QT duration

Identification:

43. Identify the following rhythm:



Rate

Rhythm

P waves

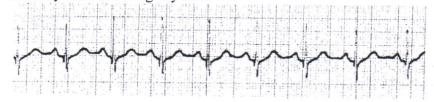
PR interval_

QRS duration____

QT duration

Identification:

44. Identify the following rhythm:



Rate

Rhythm

P waves

PR interval

QRS duration____

QT duration _____

Identification:



Rate
Rhythm
P waves
PR interval
QRS duration
QT duration
Identification:

46. Identify the following rhythm:

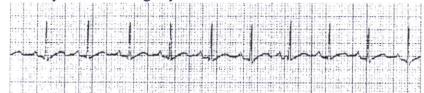


Identification: ______Rate:

47. Identify the following rhythm:



Rate
Rhythm
P waves
PR interval
QRS duration
CT duration
Identification:



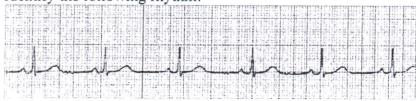
Identification: ______Rate:

49. Identify the following rhythm:



Rate
Rhythm
P waves
PR interval
QRS duration
QT duration
Identification:

50. Identify the following rhythm:



Identification: