

ECG Rhythm Interpretation Primer

Post-Test

Name _____
(Please enter legal name above)

Birth date (required)

Format: 01/03/1999

M	M	D	D	Y	Y	Y	Y

Where do you work? (example: HCMC, MVAHCS, etc.) Enter N/A if you are not employed.

Hospital _____ Unit _____

*Email Address _____

*TCHP hospitals must use work email address.

I verify that I have read this home study and have completed the post-test and evaluation.
By checking this box, I am submitting my electronic signature to this statement.

- 1) Which of the following is not a characteristic of cardiac electrical cells?
 - a) automaticity
 - b) excitability
 - c) conductivity
 - d) contractility
- 2) The isoelectric line is located between the:
 - a) QRS and T wave
 - b) P wave and QRS
 - c) T and P waves
 - d) Q and T waves
- 3) The PR interval:
 - a) Starts at the beginning of atrial depolarization
 - b) Ends at the beginning of ventricular depolarization
 - c) The normal duration is 0.12 - 0.20 seconds
 - d) all of the above
- 4) Which of the following is commonly known as the "natural pacemaker of the heart"?
 - a) SA Node
 - b) AV Node
 - c) Bundle of His
 - d) Purkinje Fibers
- 5) A depolarization wave moving toward a positive lead will be:
 - a) inverted
 - b) upright
 - c) both upright and inverted components
 - d) none of the above
- 6) If there are 5 R waves in a 6 second strip, the heart rate is about:
 - a) 100/minute
 - b) 50 /minute
 - c) It depends on the atrial rate
 - d) none of the above

- 7) The QRS complex:
- a) starts with either an upward or downward deflection after the PR interval
 - b) is usually more than 6 mm in height
 - c) is usually less than 0.12 seconds in duration
 - d) all of the above

Match the following waveforms with the part of the cardiac cycle that they represent:

- a) P Wave
 - b) PR Interval
 - c) QRS Complex
 - d) ST Segment
 - e) T Wave
- 8) Ventricular depolarization_____
- 9) Early ventricular repolarization_____
- 10) Ventricular repolarization_____
- 11) Atrial depolarization_____
- 12) The time from the beginning of atrial depolarization to the beginning of ventricular depolarization_____

Expiration date: The last day that post tests will be accepted for this edition is December 31, 2017—your envelope must be postmarked on or before that day.

Evaluation: ECG Rhythm Interpretation Primer

Please complete the evaluation form below by placing an “X” in the box that best fits your evaluation of this educational activity. Completion of this form is required to successfully complete the activity and be awarded contact hours.

At the end of this home study program, I am able to:	Strongly Agree, Agree, Neutral, Disagree, Strongly Disagree
1. Describe the electrophysiology behind cardiac electrical action.	
2. Identify the normal conduction of electrical current and the waveforms this current produces.	
3. Describe the location and function of the following structures: Sinoatrial (SA node), Atrioventricular (AV) junction, Bundle of His, Bundle branches, Purkinje fibers	
4. Identify preparation and placement of electrodes	
5. Describe the electrophysiology behind cardiac electrical action.	
6. The teaching / learning resources were effective. <i>If not, please comment:</i>	

The following were disclosed in writing prior to, or at the start of, this educational activity (please refer to the first 2 pages of the booklet).	YES or NO
7. Notice of requirements for successful completion, including purpose and objectives	
8. Conflict of interest	
9. Disclosure of relevant financial relationships and mechanism to identify and resolve conflicts of interest	
10. Sponsorship or commercial support	
11. Non-endorsement of products	
12. Off-label use	
13. Expiration Date for Awarding Contact Hours	
14. Did you, as a participant, notice any bias in this educational activity that was not previously disclosed? <i>If yes, please describe the nature of the bias:</i>	

15. How long did it take you to read this home study and complete the post test and evaluation:
_____ hours and _____ minutes.

16. Did you feel that the number of contact hours offered for this educational activity was appropriate for the amount of time you spent on it?

____ Yes

____ No, more contact hours should have been offered

____ No, fewer contact hours should have been offered.

Expiration date: December 31, 2017