

## Basic EKG

**WebQuest Description:** This webquest will establish the first assignment due for Basic EKG students: EKG Rhythm Strip Interpretation 1. This course will introduce the student to basic electrocardiography. Topics to be covered include: cardiac anatomy and physiology, cardiac electrophysiology, lead systems, measurements, rhythm recognition and more. With successful completion, students will demonstrate proper skin preparation, electrode placement, recognition, and basic analysis and interpretation of a 12-lead EKG.

**Grade Level:** College / Adult

**Curriculum:** Health / PE

**Keywords:** EKG, Heart, Electrocardiography, ECG, Rhythm

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## Introduction

During your Basic EKG course, you will have 4 different EKG Rhythm Strip assignments to complete. Your first assignment requires you to answer the following information for 25 different rhythm strips: Rate Rhythm P Waves QRS Complex Interpretation Site of Origin

## Tasks

Rhythm Strip Assignment #1 For each rhythm strip you are to fill in the following information on each rhythm strip: Rate Rhythm P Waves QRS Complex You will also need to provide the following information for each rhythm strip: Interpretation Site of Origin  
Example: Rate: \_\_\_\_\_ Rhythm: \_\_\_\_\_ P Waves: \_\_\_\_\_ QRS: \_\_\_\_\_  
Interpretation: \_\_\_\_\_ Site of Origin: \_\_\_\_\_

## Process

For each rhythm strip you need to complete the information requested (below is an example): Rate - 72 bpm Rhythm - Irregular P Waves - absent QRS - normal Interpretation - Atrial Fibrillation Site of Origin - ectopic sites around the SA Node

## Evaluation

Evaluation for Rhythm Strip Assignments. Each rhythm strip assignment has 100 points available total. Each rhythm strip question is worth 4 points (25 total rhythm strips - 100 points total) each. Partial points will be deducted for incomplete areas on each rhythm strip. After each rhythm strip has been graded, you will be allowed to correct your incorrect answers for 1/2 point total back for each missed rhythm strip.

Category and Score					Score
				Total Score	

## Conclusion

This assignment helps to reinforce lessons learned in the classroom on how to use the 8-steps to rhythm recognition. By using the first 3 steps (Rate, Rhythm, P Waves), you can subjectively interpret any heart rhythm. For additional resources, please go to: <http://www.practicalclinicalskills.com/ekg-reference-guide.aspx>

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## **Standards**

**Academic Integrity** - Academic honesty is expected at all times. Cheating is not tolerated. Examples of cheating include, but are not limited to, copying someone else's work as your own, using notes during a test where notes are not allowed, or purchasing a written paper from someone else. Possible consequences for cheating could include a zero on the assignment, dismissal from the program or expulsion from CCBC. The entire policy on academic honesty can be found on CCBC's web page.

**Student Handbook** - A student handbook that describes academic expectations of students is available on every Blackboard supplement/online for classes that run in the Division of Health and Human Services. It is your responsibility to read and understand this handbook.

**Skills Competency Assessment:** the skills competency is a pass/fail grade. You must pass the skills competency to pass the course.

## **Credits**

For additional learning outside of the classroom, please go to: <http://www.practicalclinicalskills.com/ekg-reference-guide.aspx>

## **Other**

Happy Learning!