

# Arrhythmia interpretation course

## Introduction

SECTION 1: Registering patients

SECTION 2: Anatomy and physiology of the heart

SECTION 3: What is the electrocardiogram?

SECTION 4: Rhythms originating from the sinus node

SECTION 5: Rhythms originating in the atria

SECTION 6: Junctional arrhythmias including heart blocks

SECTION 7: Rhythms originating in the ventricles

SECTION 8: Identify the rhythm

## Activity summary

- Activity title: Arrhythmia interpretation
- Release date: 2024-06-01
- Expiration date: 2027-05-31
- Estimated time to complete activity: 8 hours
- The exam includes 35 multiple choice questions, you must achieve 84% or better to pass.
- Course is compliant with Section 508 of the Americans with Disabilities Act (ADA) and includes text captioning for audio components.
- This course is accessible with any web browser.
- Jointly provided by Postgraduate Institute for Medicine and Pacific Medical Training.
- PIM Activity ID: 18516-2

## Target audience

This activity has been designed to meet the educational needs of physicians, physician assistants, nurse practitioners and registered nurses involved in the care of patients experiencing life-threatening cardiovascular emergencies. Meet the educational needs of those desiring to begin a career as a monitor technician or telemetry technician.

## Educational objectives

*Participants in this program will be able to:*

- Describe salient features of cardiac anatomy
- Describe key parameters checked on a normal rhythm strip
- Demonstrate measurement of heart rate from a rhythm strip
- Recall the importance of ruling out artifact before drawing a conclusion
- Identify common characteristics of rhythms originating from the sinus node
- Describe an ectopic beat and a compensatory pause
- Recognize different arrhythmias originating from the atria
- Describe common characteristics of junctional rhythms
- Distinguish between an “accelerated” junctional rhythm and junctional tachycardia
- Differentiate between Mobitz I and Mobitz II second-degree heart blocks
- Recall the characteristic “AV dissociation” in third-degree heart blocks
- Describe why and how QRS complexes change when they originate in the ventricles
- Provide appropriate care and counsel for patients and their families.

## Content planners/faculty

- Judith Haluka, B.S., RCIS, EMT-Paramedic — State of Pennsylvania
- Dr. Waqar-UI-Haq Shafaat, MD

## Types of CE credits available and eligibility requirements for each credit type

- **AMA PRA Category 1 Credit™**: Continuing Medical Education (CME) AMA PRA Category 1 Credit™ credit is available to you if you are a Doctor of Medicine (MD) or Doctor of Osteopathic Medicine (DO). You must certify in your registration that you are an MD or DO to earn this type of CE credit.
- **Non-Physician Medical Professionals**: Designated for AMA PRA Category 1 Credit™ which is applicable to medical professionals who are not physicians, including chiropractors, paramedics, emergency medical technicians (EMT), etc.
- **ANCC CNE**: American Nurses Credentialing Center, the Continuing Nursing Education (CNE) credit is available to Nurses and Nurse Practitioners.

## Joint Accreditation Statement

In support of improving patient care, this activity has been planned and implemented by the Postgraduate Institute for Medicine and Pacific Medical Training. Postgraduate Institute for

Medicine is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.



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INTERPROFESSIONAL CONTINUING EDUCATION

### Physician continuing medical education - AMA (MDs, DOs)

The Postgraduate Institute for Medicine designates this enduring material for a maximum of 8.0 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

### Continuing nursing education - ANCC (RNs, APRNs, NPs)

The maximum number of hours awarded for this continuing nursing education activity is 8.0 contact hours.

## Disclosure of financial relationships

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The faculty, planning staff, and content managers for this activity have nothing to disclose. The PIM planners and staff have nothing to disclose.

## Method of participation and request for credit

During the accreditation period, participants must read the learning objectives, faculty disclosures and study the entire educational activity.

If you wish to receive acknowledgment for participation of this CME/CE activity, you must complete the following:

- Complete the post-test and evaluation online within 10 days of the activity.

- Upon successfully completing the post-test with a score of 84% or better and the activity evaluation, your certificate will be made available via email.

If you have questions regarding the certification of this activity, please contact PIM via email at [inquiries@pimed.com](mailto:inquiries@pimed.com).

## Media

Internet

## Disclosure of unlabeled use

This educational activity may contain discussion of published and/or investigational uses of agents that are not indicated by the FDA. The planners of this activity do not recommend the use of any agent outside of the labeled indications. The opinions expressed in the educational activity are those of the faculty and do not necessarily represent the views of the planners. Please refer to the official prescribing information for each product for discussion of approved indications, contraindications, and warnings.

## Disclaimer

Participants have an implied responsibility to use the newly acquired information to enhance patient outcomes and their own professional development. The information presented in this activity is not meant to serve as a guideline for patient management. Any procedures, medications, or other courses of diagnosis or treatment discussed or suggested in this activity should not be used by clinicians without evaluation of their patient's conditions and possible contraindications and/or dangers in use, review of any applicable manufacturer's product information, and comparison with recommendations of other authorities.