



## Rapid Assessment of Rhythms and 12-Leads

### Course Description

This interactive two-day seminar will provide the attendee with a solid foundation necessary to bring his or her ECG interpretive skills to the next level. Detailed electrophysiological principles are emphasized to provide the learner with the foundations necessary to view rhythms and 12-leads with a critical eye. Patient cases are used in conjunction with lectures and opportunities for practicing interpreting skills are provided throughout the course. Each lecture is presented in an easy-to-understand format, along with a systematic method for interpretation. These combined instructional methods are used to facilitate the development of exceptional interpretive and critical thinking skills that every healthcare provider will take back to the bedside.

### Program Learning Outcomes

*This program prepares the learner to:*

- Apply a systematic approach to rhythm strips and 12-Leads.
- Recognize common pitfalls and misconceptions that interfere with accurate interpretation.
- Identify life-threatening abnormalities early in the game.
- Confidently present findings to peers and physicians.

### Agenda

*Sign-in begins at 7:30 am.* Each day includes a one-hour lunch (on your own), as well as a morning and afternoon break of 15 minutes each. The order of lectures presented and break times may vary according to speaker preference.

#### Day 1, 8:00 am to 4:00 pm

- 0800 **Fundamentals of Rhythm Analysis**  
Action Potential Revisited | Waveforms, Rates and Intervals: Don't Forget the QT! | Developing a Systematic Method for Interpretation | Which Lead to Select for Monitoring
- 0945 **Break**
- 1000 **Sinus Node Disorders**  
Sinus Arrest vs. Block | Tachy-Brady Syndrome and Management
- 1045 **Atrial Abnormalities: Mechanisms and Management**  
Mechanisms: Enhanced Automaticity vs. Re-Entry | Tach, Flutter, Fib
- 1145 **Lunch**
- 1245 **AV Junctional Rhythms and Blocks: Some Are Friends in Need**  
Tachycardias and Escape Rhythms | AV Nodal Blocks: When to Watch and When to Pace
- 1345 **Lunch**
- 1320 **Ventricular Mischief**  
PVCs: When to Worry | Tachycardia | Brugada Syndrome
- 1445 **Break**
- 1500 **Putting it All Together with Practice Strips**
- 1600 **Adjourn**

# Agenda

## Day 2, 8:00 am to 4:00 pm

- 0800 **The 12-Lead: What's Normal?**  
A Step-by-Step Approach | Principle of a Lead System | Proper Procedure for Recording the 12-Lead
- 0845 **Electrical Axis: Why and How to Calculate**  
Why is it Important? Causes of Axis Deviation | Steps to Determine Degrees
- 1000 **Ischemia/Infarction and Mimicry**  
ECG Criteria | Signs of Early Ischemia | Localizing Areas of Infarction | Wellens' Syndrome | 'Broken Heart' Syndrome | The 'Pretenders'
- 1115 **Bundle Branch and Fascicular Blocks: When to Worry!**  
Optimum Leads for Identification | ECG Criteria for Right and Left BBB | Intermittent Bundle Branch Blocks
- 1200 **Lunch**
- 1300 **FLBs vs. PVSs | VT vs. SVT**  
Which Leads are the Best? | Morphological Clues | How Axis Can Help | Many More Clues
- 1415 **Break**
- 1430 **Miscellaneous Mayhem**  
Electrolyte Disturbances | Digitalis Effect | Pericarditis | Wolff-Parkinson-White Syndrome
- 1530 **Putting it All Together**
- 1600 **Adjourn**

## Accreditation

**RN/LPN/LVN/Other: 13 Contact Hours**  
**RT: 13 Category 1 CRCE Hours**

MED-ED, Inc is accredited as a provider of nursing continuing professional development by the American Nurses Credentialing Center's Commission on Accreditation.

MED-ED is approved by the American Association for Respiratory Care (AARC).

MED-ED, Inc. is an approved provider by the following State Boards of Nursing: **Florida**/FBN 50-1286, **Iowa**/296, **California** #CEP10453.

If your profession is not listed, we suggest contacting your board to determine your continuing education requirements and ask about reciprocal approval. Many boards will approve this seminar based on the accreditation of the boards listed here.

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