ECG Interpretation: Rhythms and 12-Leads

Course Description
This two-day seminar has been designed to provide you with a practical and easy-to-use approach for interpreting arrhythmias and 12-Leads. It is intended for those looking for something more advanced and challenging. Each lecture will include essentials necessary to recognize changes in the rhythm strip and 12-Lead and numerous opportunities to analyze and interpret abnormalities. The format is relaxed and encourages participation. Feel free to bring copies of 12-Leads and rhythms that you would like to discuss in class.

Program Learning Outcomes
This program prepares the learner to:
- Learn the skills to rapidly and accurately assess the cardiogram for abnormalities.
- Develop an understanding of the pathophysiologic basis of electrical malfunctions of the heart.
- Gain the confidence to report your findings.
- Be on your way to becoming the “expert” in your unit.
- Be able to recognize the subtleties that are often missed by the most experienced healthcare provider.
- Be able to rapidly identify potentially life-threatening ECG changes and rhythms.

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
Interpretation of ECG Rhythms

0800  Fundamentals of Rhythm Analysis
       Action Potential Revisited | The “PQRST” | Rates and Intervals

0900  A Systematic Approach to Interpreting the ECG Strip:
       Don’t Suffer from the P-Preoccupation Syndrome!

0930  Break

0945  Sinus Node Disorders
       Sinus Arrest vs. Block | Tachy-Brady Syndrome and Management

1030  Atrial Abnormalities: Mechanisms and Management
       Mechanisms | Tach, Fib, Flutter | Treatment Strategies

1130  Lunch

1230  AV Junctional Disorders: They’re Not All Bad!
       Tachycardias and Escape Rhythms | AV Nodal Blocks: When to Watch and When to Pace

1330  Ventricular Mischief
       PVCs: When to Worry | Tachycardia | Brugada Syndrome

1445  Putting Your Interpretive Skills to Work: Practice Strips and Case Studies

1600  Adjourn
Agenda

Day 2, 8:00 am to 4:00 pm
Interpreting the 12-Lead ECG

0800  The 12-Lead: What’s Normal, What’s Not?

0930  Break

0945  Determining Electrical Axis: It’s Easy! Guaranteed!
What Does It Mean? Is it Necessary? | Identify Deviations with Just Two Leads | Three Easy Steps to Determine Degrees

1030  Recognition and Localizing Myocardial Infarctions
STEMI, NSTEMI, UA | Patterns of Ischemia, Injury and Infarction | Localizing Areas of Infarction | Wellen’s Syndrome

1145  Lunch

1245  Intraventricular Conduction Problems
Right vs. Left Bundle Branch Blocks | Anterior and Posterior Fascicular Blocks (Hemiblocks) | Bifascicular Blocks

1345  Wolff-Parkinson-White Syndrome: Potential For Disaster
Pre-Excitation Syndromes | ECG Criteria | Orthodromic and Antidromic Tachycardias | Management Strategies

1430  Miscellaneous Mayhem
Pericarditis | Pulmonary Embolus | Early Repolarization | Takotsubo Cardiomyopathy (“Broken Heart Syndrome”)

1530  Testing Your Interpretive Skills

1600  Adjourn

Accreditation

RN/LPN: 13 Contact Hours
CRNA: 13 CE Credits
RT: 13 Category 1 CRCE Hours

Med-Ed, Inc. is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center’s Commission on Accreditation.

This program is also approved by the American Association of Nurse Anesthetists (AANA) and the American Association of Respiratory Care (AARC).

Med-Ed, Inc. is an approved provider by the following State Boards of Nursing: Florida/FBN 3215, 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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