Everything Cardiac

Course Description
This program provides a clinically applicable review of cardiovascular physiology and pathophysiology, cardiac assessment, cardiovascular pharmacology and interventions based on current guidelines for the most common cardiac disorders seen in clinical practice. Content includes a review of cardiac physiology that can be applied in daily practice, the physiological basis for cardiovascular drug therapy and the pathophysiology, diagnosis and guideline-based treatment strategies for heart failure, acute coronary syndromes and atrial fibrillation. Clinically useful tips on noninvasive assessment techniques and 12-Lead ECG interpretation can be applied in any clinical setting where cardiac patients receive care. Evidence-based practice standards for bedside cardiac monitoring for arrhythmia identification, ST-segment monitoring and QT interval monitoring provide a foundation for the delivery of high-quality patient care in any monitored setting. Take your knowledge of cardiovascular patient care to a higher level and improve outcomes for your patients.

Program Learning Outcomes
This program prepares the learner to:
- Increase knowledge in the pathophysiology and current management guidelines for heart failure patients.
- Increase knowledge in the pathophysiology and current management guidelines for patients presenting with acute coronary syndromes.
- Increase knowledge in the pathophysiology and current management guidelines for patients with ECG abnormalities.

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 4:30 pm

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<th>Time</th>
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| 0800 | Essential Cardiovascular Physiology  
Normal Cardiac Valve Function | Coronary Artery Anatomy and Blood Supply to the Heart | Cardiac Conduction System | Origin of ECG Waves and Intervals | Determinants of Cardiac Output and Noninvasive Evaluation | Blood Pressure Regulation |
| 0845 | Essential Assessment Skills  
Blood Pressure Evaluation | Evaluating Neck Veins | Heart Sounds | Compensatory Mechanisms for Decreased Cardiac Output | Signs of Peripheral Hypoperfusion | Signs of Pulmonary Congestion |
| 0945 | Break |
| 1000 | Cardiovascular Pharmacology  
Manipulating Determinants of Cardiac Output | Balancing Myocardial O2 Supply and Demand | Altering the Renin-Angiotensin-Aldosterone System | ACE Inhibitors | Beta Blockers | Calcium Channel Blockers | Antiplatelets and Anticoagulants | Vasoactive Drugs |
| 1200 | Lunch |
| 1300 | Essentials of 12-Lead ECG Interpretation  
Anatomy | Normal ECG Waves and Intervals | Easy Axis Determination | Bundle Branch Block |
| 1430 | Break |
Agenda
Day 2, 8:00 am to 4:30 pm

0800 Understanding Heart Failure
Pathophysiology | Systolic vs. Diastolic | Signs and Symptoms | Classification Systems | Acute Decompensated HF | Drug Therapy | Biventricular Pacing | Ventricular Assist Devices

1000 Break

1015 Atrial Fibrillation: Risks and Management
Pathophysiology | Detrimental Effects | Determining Stroke Risk | Management | Anticoagulation Guidelines | Ablation and Surgical Management

1200 Lunch

1300 Cardiac Monitoring: Using the Bedside Monitor and 12-Lead ECG for Rhythm Identification
Advantages and Disadvantages | Proper Electrode Placement for 5-Wire Systems | Best Practice for Bedside Monitoring | Alternative Monitoring Leads | Best Leads for ST-Segment Monitoring | Technical Aspects of ST-Segment Monitoring

1430 Break

1445 Cardiac Monitoring: Using the Bedside Monitor and 12-Lead ECG for Rhythm Identification (cont.)
Supraventricular Tachycardias | Ventricular Tachycardias | Mechanisms of Aberrant Conduction | Differential Diagnosis of Wide QRS Tachycardias

1630 Adjourn

Accreditation
RN/LPN/LVN/Other: 14 Contact Hours
CRNA: 14 Class A CE Credit Hours
Includes 4 Pharmacology Contact Hours

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

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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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