



## Cardiovascular Chaos: Risk, Recognition, Response

### Course Description

This two-day seminar is for nurses caring for acutely and critically ill cardiac patients. It is designed to augment the bedside nurse's ability to accurately assess and treat a variety of complex cardiovascular disorders such as: acute coronary syndromes, cardiogenic shock, acute decompensated heart failure and valvular heart disease. Additionally, it reviews management of patients undergoing therapeutic hypothermia after cardiac arrest, as well as strategies for preventing sudden cardiac death.

### Program Learning Outcomes

*This program prepares the learner to:*

- Recognize warning signs of right ventricular infarctions and understand how management differs from other types of acute MI.
- Be familiar with early, subtle signs and symptoms of pulmonary hypertension and the different drug classes used in its treatment.
- Describe the rationales for and ways to implement therapeutic hypothermia after cardiac arrest.
- Detect and understand murmurs and their pathology as well as the presentation of valve disorders and their management.
- Gain the confidence to recognize and treat patients experiencing acute coronary syndromes and cardiogenic shock.
- Develop a better understanding of the roles pharmacologic and mechanical circulatory support in the management of patients with systolic and diastolic dysfunction.

### 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 **Acute Coronary Syndromes**  
Pharmacologic Treatment | Thrombolytics | Percutaneous Coronary Intervention | Indications for CABG
- Post-MI Complications**  
VSD | Papillary Muscle Rupture | Free Wall Rupture
- 0945 **Break**
- 1000 **Hemodynamics: What Do the Numbers Mean?**  
Pulmonary Artery Catheters | Interpretation | Less and Non-Invasive Cardiac Output Monitoring
- 1200 **Lunch**
- 1300 **Tissue Oxygenation**  
**Cardiogenic Shock**  
Hemodynamics | Pharmacologic Treatments | Intra-Aortic Balloon Therapy | Ventricular Assist Devices
- 1430 **Break**
- 1445 **The Forgotten Ventricle: RV Infarcts**  
Pathology, Signs and Symptoms | Pulmonary Hypertension
- 1600 **Adjourn**

# Agenda

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

- 0800 **Acute and Chronic Heart Failure**  
Left vs. Right Failure | Systolic vs. Diastolic Dysfunction | Neurohormonal Influences | Treatment Modalities
- 0930 **Inflammatory Disorders of the Myocardium**  
Pericarditis | Myocarditis
- 1000 **Break**
- 1015 **Acute Cardiovascular Trauma**  
Aortic Aneurysm, Dissection, Transection | Blunt Cardiac Injury
- 1115 **Hematologic Monitoring**  
Complications Post-PCI and Open Heart Surgery | Heparin Induced Thrombocytopenia
- 1200 **Lunch**
- 1300 **Valve Disorders and Murmurs**  
Anatomy and Pathophysiology | Congenital | Acquired | Indications for Surgery
- 1415 **Therapeutic Hypothermia After Sudden Cardiac Death**  
Indications | Pharmacology | Techniques | Monitoring
- 1500 **Break**
- 1515 **Prevention of Sudden Cardiac Death**  
Pharmacologic Treatments | Electrophysiology Studies | Catheter Ablation | Internal Cardioverter Defibrillator
- 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 continuing nursing education by the American Nurses Credentialing Center's Commission on Accreditation (**ANCC**).

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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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