



# Cardiac Crises & Pulmonary Predicaments

## Course Description

This seminar is designed to assist the nurse and other healthcare providers by giving them the knowledge to manage the patient in cardiopulmonary crisis. The presentation will focus on an overview of cardiopulmonary physiology, the management of hemodynamics specific to patients with cardiopulmonary disease, and the medical and surgical management of these patients.

## Program Learning Outcomes

*This program prepares the learner to:*

- Review cardiac and pulmonary assessment skills in the critically ill patient.
- Define ACS and discuss the complex medical/surgical treatment plan of care of the adult patient.
- Define neurohormonal pharmacological intervention in the patient with HF.
- Discuss the etiology of ARDS, and the treatment regimen in the multisystem failure patient.
- Review the mechanism of pulmonary embolism and pneumonia in the critically ill patient.
- Discuss ventilatory management skills required in the mechanically ventilated patient.

## 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 **Cardiac Physiology Review**  
Electrical-Mechanical Function | Myocardial Oxygen Balance
- 0845 **Cardiac Assessment**  
ABC's of Cardiac Function | Look, Feel and Hear
- 0930 **Break**
- 0945 **Hemodynamics**  
ABC's of Dynamic Flow, Cardiac Function | Drugs: Manipulating Parameters | Case Studies
- 1130 **Lunch**
- 1230 **Acute Coronary Syndrome**  
Angina to Acute MI | Diagnostic Tools: Labs, 12-Lead | Drugs, Interventional Therapies | Case Studies
- 1400 **Break**
- 1415 **Heart Failure: The New Epidemic**  
Pathophysiology | Neurohormonal Activation | Diagnostics and Treatment | Use of Natrecor | Destination Therapy | Case Studies
- 1600 **Adjourn**

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

- 0800 **Pulmonary Physiology Review**  
Oxygenation and Ventilation | Alveolar Function
- 0845 **Pulmonary Assessment**  
ABC's of Hearing | Hemodynamic Monitoring | ABGs | CXR
- 0930 **Break**
- 0945 **Acute Diffuse Lung Injury**  
ARDS: What's New? | Case Studies
- 1130 **Lunch**
- 1230 **Complications of the ICU**  
Pneumonia: Ventilator Assisted Pneumonia (VAP)
- 1330 **Break**
- 1345 **Ventilatory Management of Pulmonary Crisis: Recognition and Management**  
Etiology | Diagnostic Tools | Prevention and Management | -Ectomies and -Otomies | Case Studies
- 1530 **Q & A Session | Evaluations**
- 1600 **Adjourn**

## Accreditation

### RN/LPN/LVN/Other: 13 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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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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