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
## Agenda

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

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
</table>
| 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.

MED-ED, Inc. is an approved provider by the following State Boards of Nursing: **Florida/FBN 50-1283, 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.

© 2020 MED-ED, Inc. All rights reserved.