

### Course Description

This program offers an overview of complications encountered in the critical care environment. Topics include the causes and management of chest pain along with an in-depth discussion of acute coronary syndromes that includes distinguishing myocardial ischemia vs. infarction. Management strategies for each will be included. Heart failure will be discussed and includes differentiating between systolic and diastolic dysfunction and recommended treatment modalities for each. The neuro portion of the course will cover changes in mental status as well as possible differentials. The pulmonary section will review assessment skills and provide a thorough review of arterial blood gas analysis and interpretation. The incidence and causes of acute and chronic renal failure will also be reviewed. The course concludes with a discussion of current data related to patients with sepsis and recognizing the signs. Early goal-directed therapy is included with the emphasis placed on early recognition and initiation of recommended protocols to improve patient outcomes.

### Key Learning Outcome

- After completing the program, 80% of participants will report an increase in knowledge that will positively impact their practice.

### Program Learning Outcomes

*This program prepares the learner to:*

- Apply advanced critical thinking skills in the management of the complex critically ill patient.
- Identify current evidence-based practices for patient management of complex patients.
- Discuss rationales for selected interventions, including invasive and noninvasive therapies.

### Agenda

*Sign-in begins at 7:30 am.* The 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.

#### 8:00 am to 3:45 pm

##### Introduction

##### **Chest Pain: When to Worry**

ACS Protocols and Pharmacology | ECG | Pericarditis | Noncardiac Conditions of Chest Pain

##### **Heart Failure: The Epidemic**

Evaluation | Systemic vs. Diastolic Dysfunction | Treatment Modalities

##### **Pulmonary Assessment**

Physical Exam | Chest X-Ray | ABG Interpretation

##### **Recognizing Renal Failure**

Acute Renal Failure | Chronic Renal Failure | RIFLE Study, Criteria

##### Lunch 11:40 pm to 12:40 pm

##### **Neuro Complications: Acute Change in Level of Consciousness**

Assessment | Increased ICP | Labs, Data | Ischemic and Hemorrhagic Stroke | Delirium vs. Dementia

##### **Interpreting Lab Values**

Differentiating the CBC | Life-Threatening Electrolyte Disorders

##### **Sepsis: Are You Ready?**

Identification of the Septic Patient | Bundles and Protocols | Treatment | Measuring Outcomes

##### Summary

# Accreditation

## RN/LPN/LVN/Other: 6.25 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 (**ANCC**).

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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