



Clinical Excellence in Critical Care

Course Description

This two-day program is presented on an intermediate to advanced level and is designed for nurses caring for the critically ill patient. Evidence-based practice protocols are discussed, as well as the importance of outcome measurements to determine quality in patient care. Each day will conclude with case studies to encourage critical thinking.

Program Learning Outcomes

This program prepares the learner to:

- 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 heart dysfunction.
- Describe the common etiologies, presentation and treatment modalities for the patient with acute adrenal insufficiency.
- Differentiate between the presentation and treatment of ARDS from other acute respiratory failure causes.
- Understand and assess the needs of the long-term mechanical ventilated patient as well as weaning techniques and procedures.
- Describe the rationales for and ways to implement therapeutic hypothermia after cardiac arrest.

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

- 0800 **Measuring and Controlling Tissue Oxygenation**
Determinants of Adequate Oxygenation | Measuring Oxygenation
- 0900 **New Monitoring Modes**
Hemodynamic Monitoring | Labs | Electrocardiographic
- 1000 **Break**
- 1015 **Monitoring Modes (cont.)**
- 1100 **Transfusions Practices and Problems**
Indications | Types | Acute Hemolytic Reactions | TRALI
- 1200 **Lunch**
- 1300 **Therapeutic Hypothermia**
Physiological Response | Indications for Induced Hypothermia | Outcomes
- 1400 **Stroke Management**
Etiologies | Assessment | Standard and Up-and-Coming Therapies | Outcome Measurements
- 1500 **Break**
- 1515 **Acute Adrenal Insufficiency**
Primary vs. Secondary | Clinical Manifestations | Evaluation of Adrenal Function | Associations with Sepsis, Trauma
- 1600 **Case Studies**
- 1630 **Adjourn**

Agenda

Day 2, 8:00 am to 4:30 pm

- 0800 **Acute Coronary Syndromes**
New Guidelines | STEMI vs. NonSTEMI | Invasive and Non-Invasive Diagnostics
- 0930 **Acute Heart Failure**
Definition | Etiologies | Current Treatment Strategies
- 1000 **Break**
- 1015 **Heart Failure (cont.)**
- 1100 **Management Strategies for DVT, PE**
Statistics | Virchow's Triad—Who's at Risk | Current Treatment Strategies | Preventative Measures
- 1200 **Lunch**
- 1300 **The Ventilated Patient**
Invasive vs. Non-Invasive Ventilation | Ventilator-Associated Pneumonia | Ventilator Induced Lung Injury | Bundles | ARDS Net
- 1430 **Break**
- 1445 **Pharmacology: What's New**
Cardiac Medications | ACE Inhibitors, ARBs | Anticoagulants
- 1530 **Pain Control for the Critically Ill**
Analgesia and Sedation | Monitoring Techniques | The Agitated Patient
- 1600 **Putting it All Together with Case Studies**
- 1630 **Adjourn**

Accreditation

RN/LPN/LVN/Other: 14 Contact Hours

MED-ED, Inc. is accredited as a provider of continuing nursing education 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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