



## Monitoring for Changes in the Acutely Ill Patient

### Course Description

This two-day seminar is designed to help both novice and expert critical care nurses incorporate a variety of monitoring data, such as hemodynamics and tissue oxygenation, into their patient assessments. The course employs an easy-to-use methodology for determining if the data obtained is accurate and practical ways to troubleshoot inaccuracies. It also discusses relevant nursing and medical treatment strategies for each patient population.

### Program Learning Outcomes

*This program prepares the learner to:*

- Discuss basic, advanced and new monitoring techniques.
- Understand standard oxygenation measurements vs. less invasive monitoring.
- Discuss reversal of standard anticoagulation medications.
- Discuss the rationale for THAC.

### 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 **Hemodynamic Monitoring**  
Patient Selection Criteria | Basic Monitoring Techniques | Advanced Monitoring Techniques | RV Volume  
PA Catheters | Non-Invasive and Less-Invasive Cardiac Output Monitoring
- 0945 **Break**
- 1000 **Monitoring Tissue Oxygenation**  
Why It's Important | SvO<sub>2</sub> vs. ScvO<sub>2</sub> | Non-Invasive Oxygenation Monitoring | Tissue Hemoglobin Index  
(THI)
- 1200 **Lunch**
- 1300 **Monitoring Anticoagulation**  
Managing Heparin and Direct Thrombin Inhibitor Drips | Oral Antiplatelet Agents | Heparin-Induced  
Thrombocytopenia and HITT | Reversal of Anticoagulants
- 1400 **Monitoring Transfusions**  
Indications for PRBC, FFP, Platelets | Managing Transfusion Reactions (Hemolytic, Hypersensitivity,  
Bacterial, Febrile)
- 1430 **Break**
- 1445 **Monitoring the Chest X-Ray (CXR)**  
CXR Basics: Exposure, Techniques (Portable vs. PA) | Benefit of Lateral X-Rays | Normal Anatomy and  
Normal Findings on CXR
- 1600 **Adjourn**

# Agenda

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

- 0800 **Monitoring the Heartbeat**  
Choosing the Best Leads | Introduction to the 12-Lead | Monitoring for Acute Coronary Syndromes
- 1000 **Break**
- 1015 **Monitoring the Patient Undergoing Therapeutic Hypothermia Following Cardiac Arrest**  
Rationale for THAC | Surface vs. Intravascular Temperature Modulation | Paralytic Monitoring | Vitals and Electrolytes during Induction | Maintenance and Rewarming | Preventing Shivering
- 1200 **Lunch**
- 1300 **Neuro Monitoring**  
Standard ICP Monitoring | Ventriculostomy Catheters | Licox Brain Tissue Oxygenation Monitoring
- 1415 **Break**
- 1430 **Sedation Monitoring**  
Best Practices and Sedation Scales | Which Drugs Work Best with the Least Side Effects?
- 1530 **Putting It All Together with Case Studies**
- 1600 **Adjourn**

## Accreditation

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