



Critical Care Concepts: Beyond the Basics

Course Description

Although there are many programs available for those working in critical care, there is a need for those that are considered the "experts" to be challenged and further build their critical thinking skills. With the constant changes in evidence-based practice that drives what and why we do what we do, for many of us the only way to stay on top of the changes is through interaction in seminar format. Come learn, grow, and be challenged as we move beyond the basics with the sickest of our patients.

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.
- Discuss rationales for selected interventions including invasive and non-invasive therapies.

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 **Welcome and Introduction**
- 0810 **Common Labs and Interpretation**
ABGs | CBC with Differential | Anion Gap | Procalcitonin Levels | Cultures and Sensitivities
- 1000 **Break**
- 1015 **Test and X-Ray Interpretation**
CT Scans | MRI | MRA | PET Scans | Chest X-rays
- 1115 **Sepsis**
2014 Guidelines | 3-Hour Bundle | 6-Hour Bundle | Research Guiding the Protocol
- 1200 **Lunch**
- 1300 **Hypothermia Protocols**
Why Do We Do It? | Who is It For? | What is the Goal? | How Do We Achieve It? | How have Guidelines Changed in the Last 15 Years? | Research Guiding Practice
- 1345 **Litigation and Nursing**
Most Common Causes | Avoiding Medication Errors | Discussion of Real Cases | Critical Thinking to Avoid Complications
- 1420 **Break**
- 1435 **Ventilator Acquired Events**
Self-Extubation | PTSD (Post Traumatic Stress Disorder) | VAP (Ventilator Acquired Pneumonia and Protocols) | Ways to Reduce Risk
- 1600 **Case Studies**
Trauma | ARDs | Sepsis
- 1630 **Adjourn**

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

- 0800 **Welcome and Review**
- 0810 **Cardiac Output**
Cardiac Output (CO) Equation | Heart Rate | Preload | Afterload | Contractility | Goal for LVEF (Left Ventricular Ejection Fraction)
- 0915 **Extra Heart Sounds**
Normal S1 and S2 | Cardiac Assessment and Valve Locations | S3 | S4 | Summation Gallop | Pericardial Friction Rubs
- 1000 **Break**
- 1015 **Case Studies**
Aspiration | Heart Failure | Trauma
- 1045 **The Brain Injured Patient**
Monro-Kellie Doctrine | Avoiding Secondary Injury through Interventions | Subarachnoid Hemorrhage and Unique Challenges | Stroke Current Guidelines and Interventions | NIHSS
- 1200 **Lunch**
- 1300 **Invasive Monitoring Tools Used with the Critically Ill**
ICP Monitoring, Ventriculostomy and Licox | Intra-Abdominal Pressures | Arterial Lines | Central Lines | Correct Measuring the CVP
- 1345 **Invasive Interventions for the Critically Ill**
Balloon Pumps | Impella | LVAD (Left Ventricular Assist Device) | Epicardial and Temporary Pacing | Swan Ganz Catheters
- 1430 **Break**
- 1445 **Ventilator Extreme Measures to Improve Outcomes**
Prone Positioning | Partial Liquid Ventilation | Flolan and Nitric Oxide | Oscillator
- 1530 **ABCDE Bundle**
ABC = Awakening and Breathing Coordination | D = Delirium Monitoring and Management | E = Early Ambulation
- 1600 **Adjourn**

Accreditation

RN/LPN: 13.5 Contact Hours

CRNA: 13.5 CE Credits

RT: 13.5 Category 1 CRCE Hours

Includes 2 Pharmacology Contact Hours

Med-Ed, Inc. is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center's Commission on Accreditation.

This program is also approved by the American Association of Nurse Anesthetists (**AANA**) and the American Association of Respiratory Care (**AARC**).

Med-Ed, Inc. is an approved provider by the following State Boards of Nursing: **Florida/FBN 3215, 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.

© 2015 MED-ED, Inc. All rights reserved.

