Hemodynamic Monitoring

Course Description
This course is designed for healthcare providers working with patients requiring hemodynamic monitoring. The course includes care of the patient with a pulmonary artery catheter and advanced less invasive hemodynamic monitoring. It includes accurate obtaining of readings, waveform analysis and interpretations. Case studies in hemodynamic monitoring will be reviewed.

Program Learning Outcomes
This program prepares the learner to:
- Discuss the preparation and insertion of the pulmonary artery catheter.
- Describe the method to obtain an accurate reading from the hemodynamic waveform including the identifying of the A and V waves.
- Discuss the newer less invasive hemodynamic monitors and provide scenarios for using these monitors.
- Discuss case studies using patients requiring hemodynamic monitoring.

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 3:30 pm

0800  Hemodynamic Parameters
Cardiac Index: Preload, Afterload, Contractility, Heart Rate | What's Normal—What's Not | Factors that Affect Cardiac Index

1000  Break

1015  Ensuring Accuracy
Patient Position: HOB and Side, Laying/Prone | Dynamic Response | Cardiac Output | Impact of Mechanical Ventilation

1130  Lunch

1230  Waveform Analysis
Valvular Dysfunction: Mitral, Aortic and Triscupid | Effects of Dysrhythmias on Waveforms | Volume Changes and Tamponade

1415  Break

1430  Putting It All Together: Case Studies
Left Ventricular Failure | Cardiogenic Septic Shock | Post Open Heart Surgery

1530  Adjourn
Day 2, 8:00 am to 3:30 pm

0800  Noninvasive Hemodynamic Monitoring
      Technique | Stroke Volume Determination | Clinical Applications: CHF Management

0945  Break

1000  Therapeutic Intervention
      Inotropic Drugs | Afterload Reducers | Preload Reducers | Which Drug to Choose

1145  Lunch

1245  DO₂/VO₂ Relationships
      Definitions | Factors that Alter O₂ Delivery and Consumption | Anaphylactic Shock and Acute Abdomen

1345  Break

1400  Putting It All Together: Case Studies
      Congestive Heart Failure (Acute) | Cardiac Surgery | Acute MI, Cardiogenic Shock | Pneumonia | Multisystem Trauma

1530  Adjourn

Accreditation

RN/LPN/LVN/Other: 12 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 50-1286, 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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