Cardiovascular Chaos: Risk, Recognition, Response

Course Description
This two-day seminar is for nurses caring for acutely and critically ill cardiac patients. It is designed to augment the bedside nurse’s ability to accurately assess and treat a variety of complex cardiovascular disorders such as: acute coronary syndromes, cardiogenic shock, acute decompensated heart failure and valvular heart disease. Additionally, it reviews management of patients undergoing therapeutic hypothermia after cardiac arrest, as well as strategies for preventing sudden cardiac death.

Program Learning Outcomes
This program prepares the learner to:

- Recognize warning signs of right ventricular infarctions and understand how management differs from other types of acute MI.
- Be familiar with early, subtle signs and symptoms of pulmonary hypertension and the different drug classes used in its treatment.
- Describe the rationales for and ways to implement therapeutic hypothermia after cardiac arrest.
- Detect and understand murmurs and their pathology as well as the presentation of valve disorders and their management.
- 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 dysfunction.

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  **Acute Coronary Syndromes**
Pharmacologic Treatment | Thrombolytics | Percutaneous Coronary Intervention | Indications for CABG

**Post-MI Complications**
VSD | Papillary Muscle Rupture | Free Wall Rupture

0945  Break

1000  **Hemodynamics: What Do the Numbers Mean?**
Pulmonary Artery Catheters | Interpretation | Less and Non-Invasive Cardiac Output Monitoring

1200  Lunch

1300  **Tissue Oxygenation**

**Cardiogenic Shock**
Hemodynamics | Pharmacologic Treatments | Intra-Aortic Balloon Therapy | Ventricular Assist Devices

1430  Break

1445  **The Forgotten Ventricle: RV Infarcts**
Pathology, Signs and Symptoms | Pulmonary Hypertension

1600  Adjourn
Agenda

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

0800  Acute and Chronic Heart Failure
       Left vs. Right Failure | Systolic vs. Diastolic Dysfunction | Neurohormonal Influences | Treatment Modalities

0930  Inflammatory Disorders of the Myocardium
       Pericarditis | Myocarditis

1000  Break

1015  Acute Cardiovascular Trauma
       Aortic Aneurysm, Dissection, Transection | Blunt Cardiac Injury

1115  Hematologic Monitoring
       Complications Post-PCI and Open Heart Surgery | Heparin Induced Thrombocytopenia

1200  Lunch

1300  Valve Disorders and Murmurs
       Anatomy and Pathophysiology | Congenital | Acquired | Indications for Surgery

1415  Therapeutic Hypothermia After Sudden Cardiac Death
       Indications | Pharmacology | Techniques | Monitoring

1500  Break

1515  Prevention of Sudden Cardiac Death
       Pharmacologic Treatments | Electrophysiology Studies | Catheter Ablation | Internal Cardioverter Defibrillator

1600  Adjourn

Accreditation

RN/LPN/LVN/Other: 13 Contact Hours
RT: 13 Category 1 CRCE 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 approved by the American Association for Respiratory Care (AARC).

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.

© 2017 MED-ED, Inc. All rights reserved.