



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.

Key Learning Outcome

- After completing the program, 80% of participants will report an increase in knowledge that will positively impact their practice.

Program Objectives

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

Acute Coronary Syndromes

Pharmacologic Treatment | Thrombolytics | Percutaneous Coronary Intervention | Indications for CABG

Post-MI Complications

VSD | Papillary Muscle Rupture | Free Wall Rupture

Hemodynamics: What Do the Numbers Mean?

Pulmonary Artery Catheters | Interpretation | Less and Non-Invasive Cardiac Output Monitoring

Tissue Oxygenation

Cardiogenic Shock

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

The Forgotten Ventricle: RV Infarcts

Pathology, Signs and Symptoms | Pulmonary Hypertension

Agenda

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

Acute and Chronic Heart Failure

Left vs. Right Failure | Systolic vs. Diastolic Dysfunction | Neurohormonal Influences | Treatment Modalities

Inflammatory Disorders of the Myocardium

Pericarditis | Myocarditis

Acute Cardiovascular Trauma

Aortic Aneurysm, Dissection, Transection | Blunt Cardiac Injury

Hematologic Monitoring

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

Valve Disorders and Murmurs

Anatomy and Pathophysiology | Congenital | Acquired | Indications for Surgery

Therapeutic Hypothermia After Sudden Cardiac Death

Indications | Pharmacology | Techniques | Monitoring

Prevention of Sudden Cardiac Death

Pharmacologic Treatments | Electrophysiology Studies | Catheter Ablation | Internal Cardioverter Defibrillator

Accreditation

RN/LPN/LVN/Other: 13 Contact Hours

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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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