

## Course Description

This two-day seminar has been developed to prepare nurses for the Subspecialty Certification in Cardiac Medicine (CMC) Exam. The seminar may also be used to provide education regarding acute and chronic cardiac disorders for all healthcare workers. The agenda content has been adopted based on the American Association of Critical Care Nurses (AACN) test blueprint for the CMC Subspecialty Exam. The content will be based on current guidelines from the American College of Cardiology and the American Heart Association. A case study approach will be used to comprehensively evaluate the assessment and management of cardiac patients.

## Program Learning Outcomes

*This program prepares the learner to:*

- Describe the Subspecialty Certification in Cardiac Medicine Exam, test plan and the practice requirements to sit for the exam.
- Construct a study plan for the exam based on understanding the blueprint and domains of practice covered.
- Identify common mistakes and pitfalls that are made during studying and testing for the exam.
- Recall the core components covered in the exam through didactic supplementation and test questions.

## 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

#### **Introduction: AACN Certification**

Test Requirements | Test Blueprint | Test-Taking Strategies

#### **Cardiac Anatomy and Physiology Review**

The Essentials | Anatomy: The Heart and Great Vessels | Coronary Artery: Anatomy and Physiology | Sympathetic and Parasympathetic Systems | Electrical and Mechanical Function

#### **Cardiac Assessment**

Critical Components | Cardiac, Vascular Assessment | Hemodynamics | ECG

#### **Cardiac Pathophysiology**

Coronary Artery Disease | Assessment | Diagnosis and Treatment Modalities

#### **Lunch 12:00 pm to 1:00 pm**

#### **Heart Failure**

Incidence and Statistics | Diagnosis | Treatment Modalities

#### **Valvular Disease: Physical Findings, Diagnosis, Treatment**

Mitral Stenosis/Insufficiency | Aortic Stenosis/Insufficiency

### Day 2, 8:00 am to 3:30 pm

#### **Introduction to Cardiac Surgery and Medical Intervention**

Interventions | Treatment Summary of Coronary Artery Disease and Heart Failure

#### **Indications for CABG and/or Valve Repair or Replacement**

Preoperative Assessment | Perioperative Period | Techniques of Surgery | Effects of Bypass | Effects of Hypothermia

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**Aortic Aneurysm and Dissection**

Postoperative and Procedural Care | Goals | Immediate Interventions | Complications | Bleeding | DIC | Blood Products | Low Cardiac Output Syndrome

**Lunch 12:00 pm to 1:00 pm**

**Right Ventricular Failure and Pulmonary Hypertension**

Pulmonary Complications | Neurological Complications | Renal Complications | Gastrointestinal Complications

**Summary**

## Accreditation

**RN/LPN/LVN/Other: 13 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.

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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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