

Course Description

This two-day seminar is designed to prepare the cardiac medical and cardiac surgical nurse to take the AACN certification exam for Cardiac Medicine and/or Surgery Exam. The course focuses on adult cardiac abnormalities with a concentration on nursing assessment and medical/surgical interventions. Coronary artery disease, acute coronary syndrome, heart failure and endocarditis will be the major topics of discussion, with related medical and surgical interventions. The review will also include a brief review of pulmonary, hematology, neurology and gastrointestinal and renal systems as they pertain to the cardiac patient.

Program Learning Outcomes

This program prepares the learner to:

- Discuss and practice test-taking skills.
- Review critical anatomy, physiology and pathophysiology of the cardiac system.
- Discuss significant assessment and diagnostic findings relevant to the cardiac adult patient.
- Discuss clinical presentation as well as specific patient management of the cardiac medical and surgical patient.

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 **Introduction to the CMC/CSC Examination**
Test-Taking Strategies
- 0830 **Cardiac Anatomy and Physiology Review**
The Heart | Coronary Arteries | Perfusion | The Essentials
- 0930 **Break**
- 0945 **Hemodynamics: The Essentials of Flow**
Definitions of Cardiac Output and BP | Cardiac Pharmacology
- 1100 **Coronary Artery Disease**
Pathophysiology | Identification | Medical Treatment | Medications
- 1215 **Lunch**
- 1315 **Coronary Artery Disease cont.**
- 1430 **Break**
- 1445 **Heart Failure**
Identification | Definitions | Medical/Surgical Treatment
- 1600 **Adjourn**

Agenda

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

- 0800 **Introduction to Cardiac Surgery**
Indications for Surgery | Risks | Comorbidities
- 0845 **Pre and Intraoperative Considerations**
- 0930 **Break**
- 0945 **Operative Procedures**
CABG | MAZE | Valve Repair and Replacement | Aorta Surgery
- 1100 **Postoperative Considerations and Complications**
Anesthesia | Immediate Postoperative Period: First 12 Hours | Fluids | Electrolytes | Ventilator Management | Glycemic Control | Pain Management | Incision Care | Epicardial Pacing | IABP | Goals of Therapy
- 1215 **Lunch**
- 1315 **Postoperative Considerations and Complications cont.**
- 1430 **Break**
- 1445 **Non-Cardiac Complications**
Hematology | Neurology | Pulmonary | Renal | Gastrointestinal
- 1530 **Summary**
- 1600 **Adjourn**

Accreditation

RN/LPN/LVN/Other: 13 Contact 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 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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