Cardiac Nuts & Bolts: Drugs and Diseases



Course Description

Day One of this two-day course is designed for nurses and other healthcare providers working in critical care units, progressive care units, emergency departments, medical-surgical units, home health care or anywhere cardiac drugs are administered or patients with cardiac diseases are cared for. The course covers the physiological basis for using cardiac drugs, the indications and side effects. On Day Two, diagnosis and management of two of the most commonly encountered cardiovascular diseases, heart failure and acute coronary syndrome, are covered, along with an overview of other cardiac pathologies. Current management strategies are discussed with each disease process.

Program Learning Outcomes

This program prepares the learner to:

- Discuss the physiological basis for cardiac drug therapy.
- List specific drugs used to improve cardiac output, control blood pressure, modify the renin-angiotensinaldosterone system, stimulate and block the cardiovascular effects of the sympathetic nervous system, prevent platelet activation and aggregation, modify the clotting cascade, treat cardiac arrhythmias and manage dyslipidemias.
- State the clinical indications and most common side effects for selected cardiac drugs.
- Discuss the pathophysiology, presentation and management of the following cardiac diseases: heart failure, cardiomyopathies, inflammatory cardiac diseases, valvular disease and acute coronary syndromes.
- Describe how to initiate temporary transvenous and epicardial pacing at the bedside, evaluate capture and sensing along with troubleshooting techniques.
- Recognize bradyarrhythmias, narrow QRS tachycardias and wide QRS tachycardias on selected rhythm strips and discuss drug and electrical therapy for each.

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

0800	Physiological Basis of Cardiac Drug Therapy
0930	Break
0945	ACEI, ARBs, Aldosterone Blockers, Diuretics
1030	Beta Blockers, Ca ⁺⁺ Blockers
1115	Antithrombotic Drugs
1200	Lunch
1300	Vasoactive Drugs
1430	Break
1445	Antiarrhythmic Drugs
1545	Lipid Management Drugs
1615	Summary of Treatment for Specific Conditions: Shock States, Hypertensive Emergencies, Heart Failure
1630	Adjourn

Agenda

Day 2, 8:00 am to 4:30 pm

080	00	Heart Failure Pathophysiology Assessment Treatment Guidelines
094	1 5	Break
100	00	Cardiomyopathies Hypertrophic Dilated Restrictive Takotsubo Inflammatory Cardiac Diseases Endocarditis Myocarditis Pericarditis
110	00	Valve Disease Aortic and Mitral
114	1 5	Lunch
124	15	Acute Coronary Syndrome Pathophysiology ECG Diagnosis (STEMI, NSTEMI) Treatment Guidelines
14	15	Break
143	30	Arrhythmia Review Bradyarrhythmias Supraventricular Tachycardias Ventricular Tachycardias
153	30	Pacemakers for the Petrified Basics of Pacing Initiating Temporary Pacing at the Bedside Single Chamber Pacemaker Evaluation
163	30	Adjourn

Accreditation

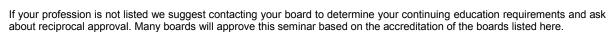
RN/LPN: 14 Contact Hours CRNA: 14 CE Credits

RT: 14 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.

This program is also approved by the American Association of Nurse Anesthetists (AANA) and the American Association of Respiratory Care (AARC).

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