

OUTLINE

Understanding Electrical & Mechanical Functions

Conduction System
Waveforms
The NEED TO KNOW Arrhythmias
Hemodynamic Function

Cardiac Output
Preload
Afterload
Contractility
Heart Rate

Normal Heart Sounds
S1, S2

Abnormal Heart Sounds
Murmurs: Differentiating Systolic from Diastolic
S3/S4 Gallops

Compensatory Mechanisms
Maintaining Cardiac Output & Blood Pressure

Coronary Artery Perfusion

In Relation to: Cardiac Musculature & Conduction System

Lead Placement
5-Lead Monitoring
12-Lead, 15-Lead and Right-sided ECG

Caring for Patients with Acute Coronary Syndrome

Differentiating Between Ischemia, Injury & Infarct

A Systematic Approach for Detection on the ECG

Pharmacological Therapies
AHA Guidelines: When to Use & Why
Dual Anti-Platelet Therapy
Beta Blockers
ACE Inhibitors
Anticoagulation
Statins
Mechanism of Action

Heart Failure: Which Organs are Really Affected?

Neurohormonal Activation
Sympathetic Nervous System
Renin-Angiotensin System
Aldosterone System

Perfusion & Congestion Assessment
Differentiating Chronic from Acute HF
The Importance of Unloading the Heart
Non-Invasive Diagnostic Evaluation
Evidence-Based Treatment
What are the BUN & Creatinine Saying?

Valvular Heart Disease: Why the Left Side

Contrasting Stenotic Valvular Dysfunction from Insufficiency
Physical Assessment Clues
Signs & Symptoms
Associated Murmurs

Other Cardiac Disease Pathologies

Pericarditis
A Good Imposter of Myocardial Infarction
Cardiomyopathies
Contrasting Dilated from Hypertrophic


Advanced Skills in Assessment & Decision-Making

Creating a Hemodynamic Profile without a PAC
Assessing Volume Status
Jugular Vein Distention
Importance of Pulse Pressure
The Value of Heart Sounds



OBJECTIVES

1. Describe the basic electrophysiology of the heart: Electrical versus mechanical function.
2. Utilize the "Thumbs Technique" to determine the ventricular axis of the heart.
3. Review the more common cardiac arrhythmias and discuss the causes.
4. Define hemodynamic principles in the body.
5. Relate coronary artery perfusion to cardiac musculature and the conduction system.
6. Interpret ischemia, injury, and infarction patterns on a 12-lead ECG, 15-lead, and right-sided ECG.
7. Integrate new evidenced-based guidelines to treat Acute Coronary Syndrome.
8. Explain the process of valvular dysfunction and state treatments for aortic and mitral valve disease.
9. Describe heart failure and relate physical assessment findings to hemodynamic parameters in a patient with decompensated heart failure.
10. State the evidenced-based treatments to include medications and invasive procedures for chronic and acute heart failure.
11. Differentiate dilated from hypertrophic cardiomyopathy.
12. Discuss pericarditis to include causes, ECG changes and treatment modalities.



Mastering the Neurological Assessment
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THE HEART IN DETAIL



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The NEED TO KNOW Arrhythmias

Cardiac Conditions: What is Actually Happening?

The ABCs of Cardiac Medications

Heart Failure: Which Organs are Really Affected?


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THE HEART IN DETAIL



Did you ever wonder why your patient with a myocardial infarction will have dyspnea?

Or have a hard time explaining how beta-blockers work?

Or become confused about ejection fractions, let alone hemodynamics?

If you have a hard time explaining to your patients about which blood vessel perfuses what part of the heart, or why they have an arrhythmia, or how their heart failure is causing their kidney problems, then you need to join Karen M. Marzlin, DNP, RN, ACNPC-AG, CCNS, CCRN-CMC, CHF, a mentor who can really make the information easy and understandable.

Designed with the bedside clinician in mind, this seminar is appropriate for all healthcare professionals wanting to improve their assessment skills, build a firm foundation of cardiac anatomy and physiology and apply these skills in daily patient care. Understanding these essential concepts will help you find patient complications faster and respond to them more appropriately. Karen's teaching style allows for an informal interactive discussion. You will leave with a systematic approach to interpreting ECGs, an understanding of common cardiac pathologies, and a renewed commitment to achieving excellence in patient care.

SPEAKER

Karen M. Marzlin, DNP, RN, ACNPC-AG, CCNS, CCRN-CMC, CHF, practices as an Acute Care Clinical Nurse Specialist managing hospitalized medical cardiology patients. With over 28 years of cardiovascular and critical care experience, both at the bedside and administratively, Karen brings a broad depth of knowledge to her practice. In addition to her hospital practice, Karen also manages patients with advanced heart failure in the Heart Failure Clinic and is actively involved in systems and processes surrounding all aspects of heart failure care. In addition to maintaining a part-time clinical practice, Karen is a partner in two education and consulting businesses: Key Choice and Cardiovascular Nursing Education Associates. In 2014 Karen was named with CNS of the Year by the National Association of Clinical Nurse Specialists. Karen speaks nationally on a wide variety of cardiovascular, critical care, and leadership topics. Her presentations are energetic, engaging and empowering. Linking knowledge to practice to impact patient outcomes is the goal of every education program.

Speakers Disclosures:

Financial: Karen Marzlin is a business partner for Key Choice and Cardiovascular Nursing Education. She has an employment relationship with Aultman Hospital CVC. Dr. Marzlin receives a speaking honorarium from PESI, Inc.

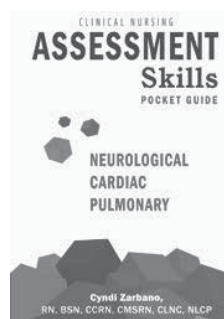
Non-financial: Karen Marzlin is a CCRN Ambassador for the American Association of Critical Care Nurses.

Target Audience: Nurses, Nurses Practitioners, Clinical Nurse Specialists, Physician Assistants, Cardiovascular Technicians

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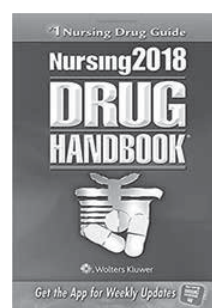


Clinical Nursing Assessment Skills Pocket Guide

By Cyndi Zarbano, RN, BSN, CCRN, CMSRN, CLNC, NLCP

This full-color pocket guide provides portable, quick and easy access to essential reference information on neurological, cardiac and

pulmonary assessments. Filled with descriptive images. (2013)



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4:00 Program ends

10-15 minute mid-morning and mid-afternoon breaks

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