

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

Questions?  
Call customer service at 800-844-8260

OBJECTIVES

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

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IN  
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KNOXVILLE, TN

Monday, September 10, 2018

CHATTANOOGA, TN

Tuesday, September 11, 2018

BRENTWOOD, TN

Wednesday, September 12, 2018

MEMPHIS, TN

Thursday, September 13, 2018

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THE  
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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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A NON-PROFIT ORGANIZATION CONNECTING KNOWLEDGE WITH NEED SINCE 1979

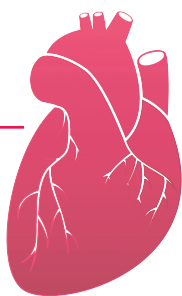
KNOXVILLE, TN  
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Thursday, September 13, 2018

# 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 Cathy Lockett, RN, MHA, BSN, CCRN-K, 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. Cathy'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

**Cathy Lockett, RN, MHA, BSN, CCRN-K,** , has been practicing critical care nursing for over 35 years. Her critical care background includes working in medical, surgical, neuro, cardiac, cardiovascular care, and critical care transport with most of her clinical experience in the areas of medical cardiology and cardiovascular surgery. She has provided cardiovascular care in the role of staff nurse, preceptor, educator, supervisor, and manger.

Utilizing her vast knowledge and experience, Cathy has presented on numerous topics related to cardiac and pulmonary care, including EKG Interpretation, hemodynamic monitoring, basic and advanced arrhythmia, pulmonary diseases and IABP therapy. Additionally, Cathy is a Training Center Faculty member for the American Heart Association in the disciplines of Basic Life Support, Advanced Life Support, and Pediatric Advanced Life Support. Cathy is also a former co-owner of an educational healthcare company.

Cathy's teaching style is dynamic and high-energy while remaining informal and easy to understand. Attending this seminar will enhance your learning experience, improve your long-term retention of key concepts and enable you to provide more efficient patient care. Cathy's teaching style indeed personifies that learning can be fun and informative.

### Disclosures:

Financial: Cyndi Zarbano has an employment relationship with Fairview South. She receives a speaking honorarium from PESI, Inc.

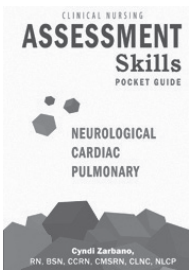
Non-financial: Cyndi Zarbano has no relevant non-financial relationships to disclose.

**Target Audience:** Nurses, Nurse Practitioners, Clinical Nurse Specialists, Physician Assistants, Physical Therapists, Occupational Therapists, Cardiovascular Technicians

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

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PESI Inc. is proud to offer this seminar (at these locations only) *free* of charge (on live seminar tuition) for veterans and active duty military personnel. **Advance registration by phone required.**

### Seminar Schedule

**7:30** Registration/Morning Coffee & Tea

**8:00** Program begins

**11:50-1:00** Lunch (*on your own*)

**4:00** Program ends

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

For locations and maps, go to [www.pesihealthcare.com](http://www.pesihealthcare.com), find your event, and click on the seminar title.

**CANCELLATION POLICY:** If you contact us before the event date, you can exchange for a DVD or CD/digital manual package on the subject (self-study continuing education credit may be available), a certificate to attend another seminar, or receive a tuition refund less a \$30 cancel fee. Substitutions are permitted at any time.

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*Materials that are included in this course may include interventions and modalities that are beyond the authorized practice of mental health professionals. As a licensed professional, you are responsible for reviewing the scope of practice, including activities that are defined in law as beyond the boundaries of practice in accordance with and in compliance with your professions standards.*

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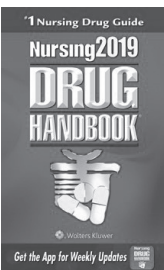
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3322. Full attendance at this course qualifies for 6.0 contact hours or .6 CEUs in the Category of Domain of OT and Occupational Therapy Process. Partial credit will be issued for partial attendance. The assignment of AOTA CEUs does not imply endorsement of specific course content, products, or clinical procedures by AOTA. Course Level: Intermediate.



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#### WALK-INS

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