

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: Frontal Plane vs. Horizontal Plane Leads
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 AF
The Importance of Unloading the Heart
Non-Invasive Diagnostic Evaluation
Evidence-Based Treatment

Valvular Heart Disease: Why the Left Side

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

Other Cardiac Disease Pathologies

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



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.*

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.

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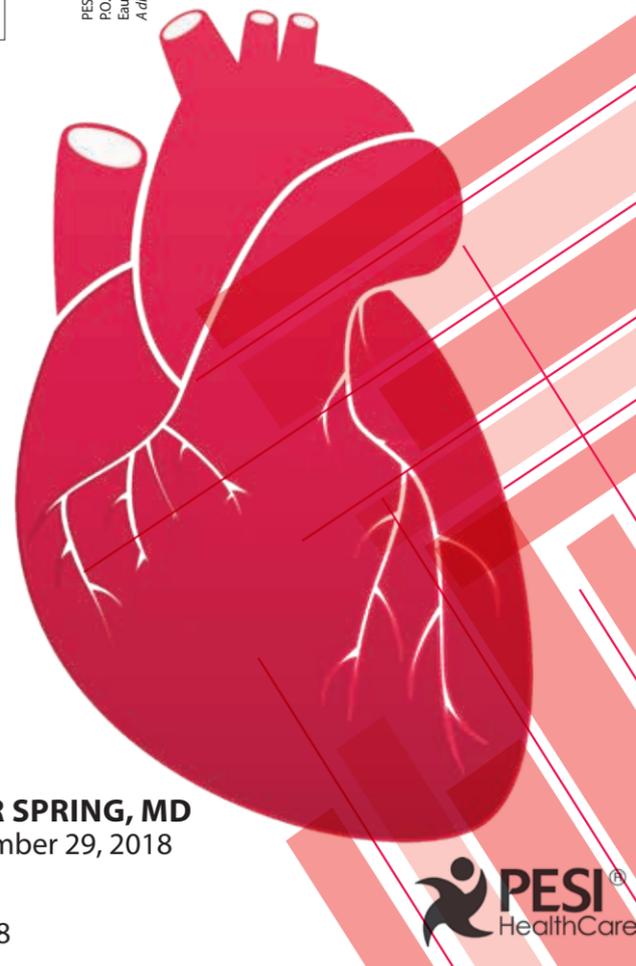
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THE HEART IN DETAIL

ELLCOTT CITY, MD November 28, 2018
SILVER SPRING, MD November 29, 2018
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THE HEART IN DETAIL

The NEED TO KNOW Arrhythmias

Cardiac Conditions: What is Actually Happening?

The ABCs of Cardiac Medications

Heart Failure: Which Organs are Really Affected?

ELLCOTT CITY, MD
Wednesday, November 28, 2018

SILVER SPRING, MD
Thursday, November 29, 2018

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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 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 manager.

Utilizing her vast knowledge and experience, Cathy has presented on numerous topics related to cardiac and pulmonary care, including advanced and basic EKG interpretation, the heart in detail, 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 provide more effective patient care. Cathy's teaching style indeed personifies that learning can be fun and informative.

Disclosures:

Financial: Mary (Cathy) Lockett has an employment relationship with CPR Consultants, Inc. She receives a speaking honorarium from PESI, Inc.

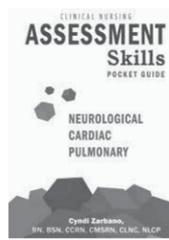
Non-financial: Mary (Cathy) Lockett has no relevant non-financial relationship to disclose.

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

Have a seminar idea? A manuscript to publish?

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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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Seminar Schedule

- 7:30** Registration/Morning Coffee & Tea
- 8:00** Program begins
- 11:50-1:00** Lunch (*on your own*)
- 4:00** Program ends

There will be two 15-min breaks (mid-morning & mid-afternoon). Actual lunch and break start times are at the discretion of the speaker. A more detailed schedule is available upon request.

For locations and maps, go to 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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CARDIOVASCULAR TECHNOLOGY PROFESSIONALS: Cardiovascular Credentialing International (CCI) recognizes programs and providers approved by the American Nurses Credentialing Center's Commission on Accreditation (ANCC). This course will qualify for 6.3 contact hours.

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PHYSICIAN ASSISTANTS: This program has been reviewed and is approved for a maximum of 6.25 hours of clinical Category I CME credit by the American Academy of Physician Assistant Review Panel. Physician assistants should claim only those hours actually spent participating in the CME activity. This program was planned in accordance with AAPA's CME Standards for Live Programs and for Commercial Support of Live Programs.

OTHER PROFESSIONS: This activity qualifies for 380 minutes of instructional content as required by many national, state and local licensing boards and professional organizations. Save your course outline and certificate of completion, and contact your own board or organization for specific requirements.

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• **\$30 Tuition:** If you are interested in being our registration coordinator for the day, go to: www.pesihealthcare.com/coord for availability and job description, or call our Customer Service Dept. at 800-844-8260.

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