

## Outline

### Part I: The ABCs of 12-Lead EKG Interpretation

#### The 12-Lead EKG

Cardiac electrical conduction system  
Electrical vectors  
Normal polarity & P-QRS-T configuration of each lead

#### Ace the Axis

Left & right axis deviation  
Causes & criteria  
Methods of determining axis deviation  
Clinical applications

#### Beat the Bundles

Right & left bundle branch blocks  
Causes & complications  
Left anterior & left posterior hemiblocks

#### Correlate the Coronary Anatomy

The coronary arteries  
Left ventricular walls  
Relationship to the 12-lead

#### Differential Diagnosis in Acute Coronary Syndrome

Ischemia, injury & infarction patterns  
Reciprocal changes  
STEMI vs. NSTEMI  
Coronary spasm  
Takotsubo cardiomyopathy  
Putting it all Together  
The 30-second diagnosis  
Coronary angiographic correlation  
Presentations, analysis & clinical applications

#### Advanced Interpretation

Atrial & ventricular hypertrophy  
WPW – Wolff-Parkinson-White Syndrome  
Prolonged QT intervals

### Part II: Chest X-Ray Interpretation as Easy as Black & White

#### The Chest X-Ray

Technique  
Black & white principles  
Projections  
Systematic Approach  
Bone structures & Intercostal spaces  
Soft tissues & vasculature  
Pleural surfaces  
Heart & great vessels  
Invasive lines

#### As Easy as Black

Identifying pneumothorax & subcutaneous emphysema  
Treatment priorities

#### As Easy as White

Identifying:  
Pleural Effusion  
Pulmonary Edema  
Pneumonia  
ARDS  
Cardiomyopathy  
Cardiac Tamponade

Clinical applications & interventions

#### Beyond the Basics

Identification & Initial Treatment of:  
Aortic aneurysm  
Post-op changes with pneumonectomy  
Esophagogastrctomy  
Dextrocardia

#### Live Webcast Schedule (Times listed in Pacific)

8:00 Program begins  
11:50-1:00 Lunch Break  
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.



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# 12-LEAD EKG & CHEST X-RAY INTERPRETATION

Featuring,

**Cheryl Herrmann, RN, MS, APN, CCRN, CCNS-CSC/CMC**

**LIVE Interactive Webcast**  
Thursday, January 14, 2021

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# 12-LEAD EKG & CHEST X-RAY INTERPRETATION

Featuring,

**Cheryl Herrmann, RN, MS, APN, CCRN, CCNS-CSC/CMC**

• Take the Fear and Intimidation out of EKG & Chest X-Ray Interpretation

• Quickly & Confidently Identify Changes in a Patient's Cardiac Status

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## Objectives

1. Analyze EKG changes associated with ischemia, injury and infarction patterns.
2. Specify the features of right bundle branch block from the features of left bundle branch block.
3. Evaluate axis deviation and the implications for clinical practice.
4. Assess common cardiac and pulmonary disorders using the chest x-ray.
5. Detect the placement of invasive lines on chest x-rays.
6. Develop a systematic approach to chest x-ray interpretation.
7. Incorporate the clinical pearls of EKG and chest x-ray interpretation into daily practice.

### Target Audience:

Nurses • Nurse Practitioners • Clinical Nurse Specialists • Physician Assistants

The EKG and Chest X-Ray are the most commonly used procedures for diagnosing a wide variety of cardiac and respiratory conditions, yet even the most seasoned nurses struggle to master interpretation. Attend this seminar and finally learn to recognize borderline and abnormal findings. In this information-packed program expert, Cheryl Herrmann, RN, MS, APN, CCRN, CCNS-CSC/CMC, will teach you easy-to-understand techniques to identify coronary and pulmonary problems you would have previously missed. Don't miss this opportunity to learn how to:

- Analyze QRS axis to determine diagnosis
- Contrast left anterior and posterior hemiblocks
- Recognize the location of acute coronary syndromes
- Interpret chest x-rays for differential diagnosis
- Perform more efficient and effective patient assessments
- And most importantly, respond to the patient emergencies associated with each of these changes!

# 12-LEAD EKG & CHEST X-RAY INTERPRETATION

*"Cheryl is an expert – great experiences. I really like the clinical examples and case studies to relate to evidence-based practice."*

*"Cheryl is an amazing instructor! I wish I could have attended one of her seminars much earlier in my education/career! I learned A LOT more than I ever thought I would."*

## Speaker

**Cheryl Herrmann, RN, MS, APN, CCRN, CCNS-CSC/CMC,** shares her vast cardiac knowledge and experience to provide an interactive, dynamic, high-energy and easy-to-understand seminar. Her 35+ years of clinical experience include 15 years as a bedside critical care nurse and over 20 years as a Cardiac Clinical Nurse Specialist with hospitalized and clinical cardiac medical and surgical patients. In addition, Cheryl is a Prehospital RN for the local ambulance service. She is a popular speaker for local, regional and national conferences, including presenting at the American Association of Critical Care Nurses, NTI, for the past 10 years. Cheryl has also been a team leader for medical-dental teams going to Mexico and participated in a Critical Care Nursing Ambassador program to China.

Cheryl is a published author and a previous recipient of the American Association of Critical Care Nurse Circle of Excellence – Excellent Clinical Nurse Specialist Award. She presents material in a way that all health professionals caring for the cardiac patient, regardless of where they are in the continuum, take home valuable pearls of wisdom and new skills.

### Disclosures:

Financial: Cheryl D. Herrmann has an employment relationship with UnityPoint Health Cardiology. She receives a speaking honorarium from PESI, Inc.

Non-financial: Cheryl D. Herrmann is a member of the Illinois Society of Advanced Practice Nurses and National Association of Clinical Nurse Specialists.

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