

## **EKG BASICS and 12-LEADS & MORE**

### ***GARY KRAUSE, EKG Concepts LLC***

Whether you are an Emergency Medical Responder (EMR) making your first inroads into cardiac care, or an established EMS instructor working to improve your delivery of your next EMT-P class, this workshop will use innovative tools and techniques to aid students and instructors alike in understanding (and explaining) electrocardiography.



#### EKG Basics

Objectives:

1. Understand the Basics of EKGs
2. Explain the Mechanical and Electrical Conduction of the Heart
3. Differentiate between Normal and Abnormal EKG Rhythms
4. Identify the 3 stages of a Myocardial Infarction
5. Correlate EKG Findings with the Patient

#### 12-Leads & More

Objectives:

1. Illustrate and explain the 12 Lead EKG in relation to the Heart
2. Describe and illustrate the significance of each of the 12 Leads
3. Understand the significance of Lead grouping to regions of the Heart
4. Using the 12 Lead EKG to identify Electrolyte imbalances, Myocardial Infarction and the many different Arrhythmias
5. Analyze real life 12 Lead EKG tracings to practice identifying abnormalities.

**Gary Krause** is a Registered Nurse with 32 years of experience in emergency, critical care, and cardiac nursing. He specializes in EKG rhythm and 12 Lead EKG education. In 2010, he founded EKG Concepts, a company dedicated to improving EKG interpretation skills among medical professionals.

Recognizing the challenge of accurate EKG analysis, Gary developed the R-CAT (Rapid Cardiac Assessment Tool), a patented tool designed to assist healthcare providers at all levels in interpreting EKG rhythms and 12 Lead EKGs. These award-winning tools simplify the identification of cardiac ischemia, injury, and infarction, and help detect heart blocks and arrhythmias. The R-CAT products replace outdated methods like calipers and paper, enhancing both safety and accuracy.

EKG Concepts offers a range of educational resources, including a self-learning workbook with 120 EKG modules, online video animations, and patient case studies. These resources are used in top hospitals, the US military, and globally. The company is dedicated to improving the care of cardiac patients through innovative training and tools.