

THE BASICS PART 1

Course Description: This 4-week course is based on the material from the Order and Disorder EP Training Program, The Basics, which was taught live for 30 years. It is intended for cardiovascular technicians, industry employees, and nursing staff who need a review or a good foundation in basic electrophysiology.

8 contact hours of credit

Participant Objectives: Upon completion of this program the learner will be able to:

1. Recall fundamentals of basic electrophysiology, including cellular physiology, anatomy and physiology of the conduction system.
2. Recall 5 arrhythmia mechanisms.
3. Define a normal 12 lead EKG.
4. Calculate axis and identify bundle branch block on a 12-lead EKG.
5. List 6 common findings seen in a 12 Lead EKG during ventricular tachycardia.
6. Differentiate EKG findings seen in AVNRT versus WPW.

Course Agenda

Week 1: Anatomy and physiology of the heart and conduction system
Basic Electrophysiologic Principles, Arrhythmogenesis

Week 2: Review, Basics of Rhythm Interpretation, Overview of Arrhythmias and Current Treatments, Introduction to the 12 Lead ECG

Week 3: Review, Axis Deviation, Bundle Branch Blocks and Hemiblocks

Week 4: Review, Narrow QRS Tachycardia, Wide QRS Tachycardia