

THE BASICS PART 2

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. State the types of EP studies and the objectives of each.
3. Be familiar with the indications for EP testing and the common clinical scenarios meeting these criteria.
4. Be familiar with key aspects of fluoroscopic anatomy.
5. Discuss the various responses to head-up tilt testing.
6. State a systematic approach to interpreting electrograms.

Course Agenda

Week 1: Anatomy and Physiology of the Heart and Conduction System, Basic Electrophysiologic Principles

Week 2: Review, Indications for EP Testing, Catheters and Catheter Placement, Fluoroscopic Anatomy

Week 3: Review, A Primer on Electrogram Recordings, Programmed Stimulation and the Propagating Impulse, Components of the EP Study

Week 4: Review, EP study Continued, Syncope