

ADVANCED ARRHYTHMIA and 12 LEAD COURSE

Course Description: This 4-week course is intended for cardiovascular technicians, industry employees, and nursing staff who need a review or a good foundation in the interplay between arrhythmias and the 12 lead EKG, to interpret complex tracings.

8 contact hours of credit

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

1. State 3 mechanisms of arrhythmogenesis.
2. Utilize EKG criteria for diagnosing wide and narrow QRS tachycardias.
3. Discuss additional leads used for diagnosis.
4. Identify EKG changes seen in electrolyte abnormalities, digitalis toxicity, pulmonary embolism, Brugada syndrome, and Wellens Syndrome.
5. Identify criteria for various forms of heart block.

Course Agenda:

Week 1: Mechanisms of arrhythmogenesis, narrow QRS tachycardias

Week 2: Review, Wide QRS tachycardias, challenging rhythms

Week 3: Review, Additional leads, AV blocks, digitalis toxicity

Week 4: Review, Electrolyte abnormalities, pulmonary embolism, Brugada syndrome, Wellens syndrome, challenging rhythms

