Everything ECG and Cardiac Rhythm Boot Camp

MEANINGFUL APPLICATION FOR YOUR PRACTICE

Course Objectives Day 1

1. Discuss the implications of how leads are recorded on a 12 Lead ECG.
2. Determine the quadrant and degree of cardiac axis.
3. Recognize RBBB, LBBB, and left anterior hemiblock on a 12 Lead ECG.
4. Differentiate left and right ventricular hypertrophy.
5. Describe 3 features of early repolarization on an ECG.
6. Recognize effects of potassium and calcium imbalance on the 12 lead ECG.
7. Utilize morphology criteria to distinguish between VT and SVT with aberration.
8. Discuss existing clinical practice recommendations for cardiac monitoring for arrhythmia interpretation.
9. Apply current evidence based guideline recommendations to the management of ventricular arrhythmias.
10. Identify risk factors, rhythm criteria, and treatment for Torsades de pointes.
11. Contrast congenital long QT and Brugada syndrome.

Course Objectives Day 2

1. Recognize ECG changes consistent with ischemia, injury, and infarction.
2. Describe 3 rules for advanced ECG reading.
3. Contrast specifics associated with myocardial infarctions of different locations.
4. Interpret injury and ischemia patterns on a 12 lead ECG in the presence of a BBB.
5. Describe the normal evolutionary changes after a STEMI.
6. Discuss pain and / or ECG features of potential myocardial mimics.
7. Apply the use of the Lewis lead in assessing for atrial activity.
8. Differentiate T wave memory from T wave inversion in acute coronary syndrome.
9. Contrast diagnostic criteria for second degree heart block type 1, second degree heart block type 2, high grade AV block, and complete heart block.
10. Compare pacing outcomes in RV pacing to biventricular pacing.
11. Apply current evidence based guideline recommendations to the management of brady arrhythmias