Chapter 1:

LEARNING OBJECTIVES

On completion of the chapter, the reader will be able to:

1. Identify the elements of a cardiovascular history.
2. Describe the symptoms associated with angina and congestive heart failure.
3. Apply the New York Heart Association grading system.
4. Classify heart murmurs.
5. Differentiate biomarkers of myonecrosis, inflammation, and hemodynamic stress.
6. Identify the P wave, QRS complex, and QT interval on the electrocardiogram, and describe their origin.
7. Determine which test(s) is(are) most appropriate for the person with a dysrhythmia.
8. Describe the influence of pretest probability on stress test results.
9. Choose the most appropriate test to evaluate valvular function.
10. Differentiate exercise stress testing from pharmacologic stress testing.
11. Differentiate vasodilator stress testing from dobutamine stress testing.
12. Discuss the role of coronary calcium scoring.
13. Describe the indications for cardiac catheterization.
14. List the complications of cardiac catheterization.
15. Identify the methods to measure cardiac output.