The following cardiac functions can be detected by a standard, 12-lead ECG. EXCEPT:
a. electrical activity of the heart at rest
b. old or new heart attacks
c. enlarged or thickened heart muscle
d. electrical activity of the heart during a 24-hour period

2. The purpose of injecting dobutamine or several other drugs IV prior to a stress test is to:
a. decrease the stress of the treadmill for older patients
b. mimic an exercise response when the patient can’t tolerate exercise
c. prevent dysrhythmias during the test
d. dilate the coronary arteries for better visualization

3. The name of the cardiac test that uses a radioactive isotope to act as a perfusion tracer is the:
a. echocardiogram
b. nuclear stress test
c. transesophageal echocardiogram
d. electrophysiology study

4. A transthoracic echocardiogram can identify the pumping function of the heart — the ejection fraction. What is a normal ejection fraction?
a. 25 percent-30 percent
b. 35 percent-45 percent
c. 55 percent-70 percent
d. 80 percent-90 percent

5. Which of the following statements about the stress echocardiogram is NOT correct?
a. It is a three-step test.
b. The test includes a repeat echocardiogram after the stress test.
c. It is used to confirm or rule out CAD.
d. It supplies specific images of the actual coronary arteries.

6. A transesophageal echocardiogram may be used to view a patient’s heart who:
a. is obese
b. has ventricular dysrhythmias
c. has severe cardiomyopathy
d. is allergic to radioactive dye

7. The major benefit of the cardiac CT angiography is:
a. It is one of the most accurate procedures in cardiac technology today.
b. IV dye is never used.
c. It can visualize the anatomy and physiology of the coronary arteries, but not the great vessels.
d. It is a completely non-invasive procedure.

8. A tilt table test:
a. is positive when vasovagal syncope results
b. is routinely used to evaluate coronary circulation
c. is prescribed for most elderly patients
d. requires the patient to start out sitting at a 25-degree angle of the bed, with straps around the patient

9. A calcium-score heart scan is used:
a. to predict future cardiac events and to guide therapies and lifestyle changes
b. before more expensive cardiac technology is prescribed
c. postoperatively to evaluate response to therapy
d. rarely since it has low reliability as a diagnostic aid

10. If a patient is diagnosed with an atrial dysrhythmia, what test is done to determine the exact location of the problem?
a. CT
b. nuclear stress
c. electrophysiology study
d. stress echocardiogram

Evaluation
1. I can describe two diagnostic tools that could be used to record the heart’s electrical activity.
a. strongly agree
b. agree
c. neutral
d. disagree
e. strongly disagree

2. I can discuss four types of stress testing.
a. strongly agree
b. agree
c. neutral
d. disagree
e. strongly disagree

3. I can discuss three tests/procedures performed by an electrophysiologist.
a. strongly agree
b. agree
c. neutral
d. disagree
e. strongly disagree

4. I can describe two minimally invasive radiology tests used for cardiac imaging.
a. strongly agree
b. agree
c. neutral
d. disagree
e. strongly disagree

5. The objectives relate to the overall goal of the article.
a. strongly agree
b. agree
c. neutral
d. disagree
e. strongly disagree

6. The article is well-written and logically organized, and defines terms adequately.
a. strongly agree
b. agree
c. neutral
d. disagree
e. strongly disagree

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Cardiac Testing

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Registration/Answer Form #378

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Hospital
ICU
Infection Control
IV Therapy
Managed Care
Managerial
Administrative
Material/Child
Med/Surg
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