

## Pacemaker Post Test

1. (True/False) The Pacemaker is a new relatively device to medicine and has only been in use for 20 years.

2. Early pacemakers used \_\_\_\_\_ to transport the impulse to the heart.

- A. External Patches
- B. Trans thoracic needles
- C. Surgically placed electrodes attached to the outside of the heart
- D. All of the above.

3. (True/False) The invention of the transistor in 1947 was a improvement to electrical technology but had only a slight impact in the medical field.

4. What is Earl Bakken not credited for.

- A. Making the pacemaker smaller.
- B. Making the pacemaker more portable.
- C. Making the pacemaker battery powered.
- D. Making the Internal pacemaker.

5. Modern Pacemakers create impulses to cause contractions in the

- A. Right Atrium
- B. Right Ventricle
- C. Left Ventricle
- D. All of the above

6. (True/False) Demand pacers stand-by and deliver impulses only when needed.

7. The primary function of a pacemaker is to

A. Regulate the heart regardless of the hearts own performance.

B. Listen to the hearts native electrical activity and stimulate the heart only when needed.

C. Monitor the heart and report its performance in live time.

D. Monitor the hearts rhythm and deliver a corrective shock if the rhythm is too fast.

8. (True/False) Single chamber pacemakers have on lead that carries impulses to one chamber of the heart.

9. Cardiac Resynchronization Therapy can be beneficial to patients suffering from

- A. COPD
- B. Coronary Artery Disease
- C. AMI
- D. CHF

10. (True/False) A ICD is designed to deliver a shock when a dangerous tachycardia or fibrillation is sensed.

11. A patient who may benefit from a pacemaker will have all of the following except.

- A. Symptomatic Bradycardia
- B. Second or third degree heart block
- C. Sick Sinus Syndrome
- D. Heart rate below 60 BPM while at rest

12. (True/False) Pacemakers are not capable of making adjustments in response to a patient's physical activity.

13. The pacemaker generator is in most cases tucked into a pocket made in the subcutaneous fat of the

- A. Upper Left Chest
- B. Lower Right Chest
- C. Upper Right Chest
- D. Lower Left Chest

14. Powerful Electromagnetic Fields can be created by

- A. Sound systems that use large speakers
- B. MRI's
- C. High voltage power lines
- D. All of the above

15. Electromagnetic Interference can be caused by all of the following except

- A. Cordless Power tools
- B. Wireless video game controllers like the Nintendo Wii
- C. Kitchen tools with cords
- D. Cell Phones

16. A pacemakers failure to output may be caused by

- A. Lead fracture
- B. Battery Failure
- C. Pacemaker Crosstalk
- D. All of the Above

17. (True/False) It is not possible for a AMI to cause a Failure to Capture.

18. Common ICD problems include

- A. Failure to output.
- B. Failure to Sense
- C. Inappropriate Discharge
- D. All of the Above

19 Pacemaker Batteries will last at least

- A. 2 years
- B. 3 years
- C. 4 years
- D. 5 years