

Take Home -- Day 2 -- Sinus, Atrial, Junctional

True/False

Indicate whether the sentence or statement is true or false.

- ___ 1. Delivery of an electrical current timed for delivery during the QRS complex is called defibrillation.
- ___ 2. The AV node does not contain pacemaker cells.

Multiple Choice

Identify the letter of the choice that best completes the statement or answers the question.

- ___ 3. The rate of sinus tachycardia is:
 - a. Less than 60 bpm
 - b. 40–80 bpm
 - c. 60–100 bpm
 - d. Greater than 100 bpm

- ___ 4. Identify the following rhythm:



- a. Atrial flutter
 - b. Atrial fibrillation
 - c. Wolff-Parkinson-White syndrome
 - d. AV nodal reentrant tachycardia (AVNRT)
- ___ 5. To determine whether the ventricular rhythm on an ECG tracing is regular or irregular:
 - a. Compare PR intervals
 - b. Compare R to R intervals
 - c. Compare TP intervals
 - d. Compare P to P intervals
 - ___ 6. Which of the following ECG characteristics distinguishes atrial flutter from other atrial dysrhythmias?
 - a. The presence of fibrillatory waves
 - b. The presence of delta waves before the QRS
 - c. The "saw-tooth" or "picket-fence" appearance of waveforms before the QRS
 - d. P waves of varying size and amplitude

Completion

Complete each sentence or statement.

- 7. Sometimes, when a premature atrial complex (PAC) occurs very prematurely and close to the T wave of the preceding beat, only a P wave may be seen with no QRS after it (appearing as a pause). This type of PAC is termed a _____ PAC.
- 8. An accessory pathway that has one end attached to normal conductive tissue is called a(n) _____.

- 9. If the AV junction paces the heart, the electrical impulse must travel in a(n) _____ direction to activate the atria.
- 10. A _____ pause often follows a PJC and represents the delay during which the SA node resets its rhythm for the next beat.

Short Answer

- 11. Identify the following rhythm:



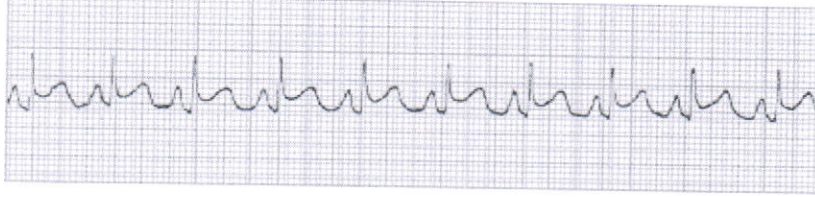
Rate _____
Rhythm _____
P waves _____
PR interval _____
QRS duration _____
Identification: _____

- 12. Identify the following rhythm:



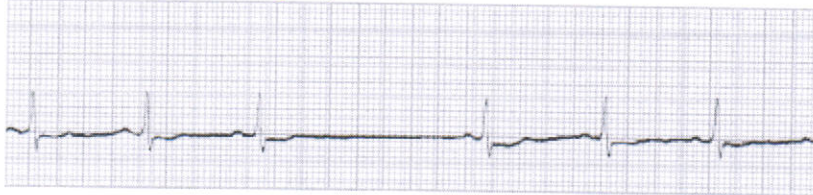
Rate _____
Rhythm _____
P waves _____
PR interval _____
QRS duration _____
Identification: _____

13. Identify the following rhythm:



Rate _____
Rhythm _____
P waves _____
PR interval _____
QRS duration _____
Identification: _____

14. Identify the following rhythm:



Identification: _____
Rate: _____

15. Complete the following ECG criteria for a sinus rhythm.

Rate _____
Rhythm _____
P waves _____
PR interval _____
QRS duration _____

16. Complete the following ECG criteria for a sinus tachycardia.

Rate _____
Rhythm _____
P waves _____
PR interval _____
QRS duration _____

17. Complete the following ECG criteria for a sinus arrhythmia.

Rate _____
Rhythm _____
P waves _____
PR interval _____
QRS duration _____

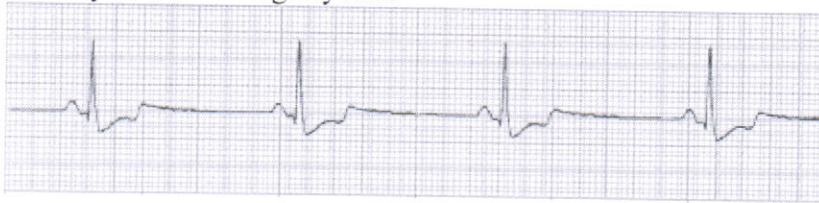
18. Complete the following ECG criteria for a sinoatrial (SA) block.

- Rate _____
- Rhythm _____
- P waves _____
- PR interval _____
- QRS duration _____

19. List three (3) significant signs and/or symptoms that, if observed with a sinus bradycardia, would require management of this dysrhythmia.

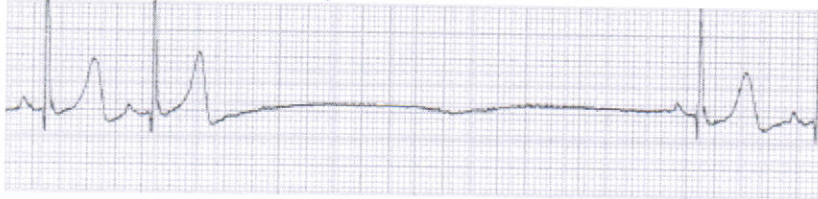
- 1.
- 2.
- 3.

20. Identify the following rhythm:



Identification: _____

21. Identify the following rhythm:



Identification: _____

22. Identify the following rhythm:



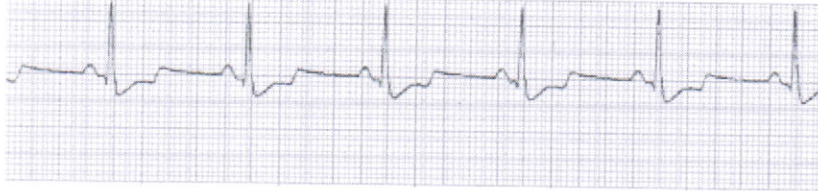
Identification: _____

23. Identify the following rhythm:



Rate _____
Rhythm _____
P waves _____
PR interval _____
QRS duration _____
Identification: _____

24. Identify the following rhythm:



Identification: _____

25. Identify the following rhythm:



Identification: _____

26. Identify the following rhythm:



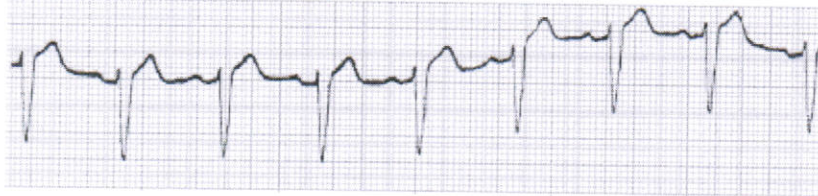
Identification: _____

27. Identify the following rhythm:



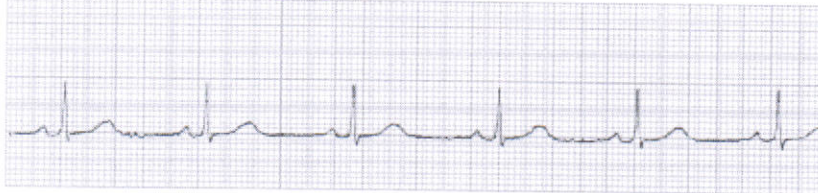
Rate _____
Rhythm _____
P waves _____
PR interval _____
QRS duration _____
Identification: _____

28. Identify the following rhythm:



Rate _____
Rhythm _____
P waves _____
PR interval _____
QRS duration _____
Identification: _____

29. Identify the following rhythm:



Identification: _____

30. Complete the following ECG criteria for wandering atrial pacemaker.

Rate _____
Rhythm _____
P waves _____
PR interval _____
QRS duration _____

31. Complete the following ECG criteria for atrial tachycardia.

Rate _____
Rhythm _____
P waves _____
PR interval _____
QRS duration _____

32. Complete the following ECG criteria for AV nodal reentrant tachycardia (AVNRT).

Rate _____
Rhythm _____
P waves _____
PR interval _____
QRS duration _____

33. Complete the following ECG criteria for atrial flutter.

Rate _____
Rhythm _____
P waves _____
PR interval _____
QRS duration _____

34. Complete the following ECG criteria for atrial fibrillation.

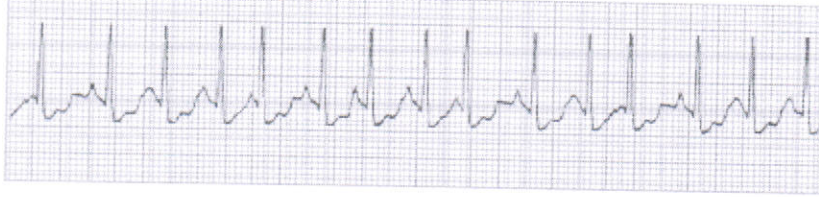
Rate _____
Rhythm _____
P waves _____
PR interval _____
QRS duration _____

35. Identify the following rhythm:



Rate _____
Rhythm _____
P waves _____
PR interval _____
QRS duration _____
Identification: _____

36. Identify the following rhythm:



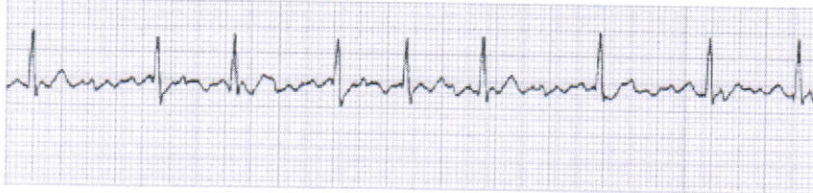
Rate _____
Rhythm _____
P waves _____
PR interval _____
QRS duration _____
Identification: _____

37. Identify the following rhythm:



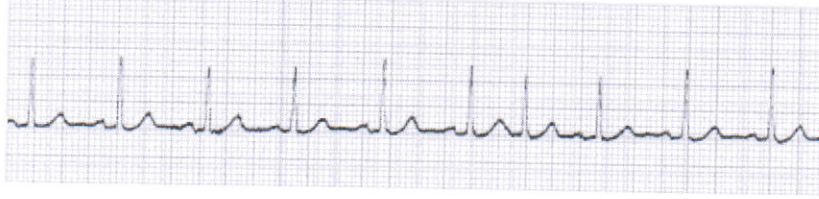
Rate _____
Rhythm _____
P waves _____
PR interval _____
QRS duration _____
Identification: _____

38. Identify the following rhythm:



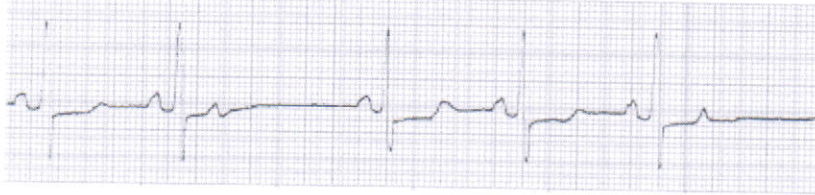
Rate _____
Rhythm _____
P waves _____
PR interval _____
QRS duration _____
Identification: _____

39. Identify the following rhythm:



Identification: _____

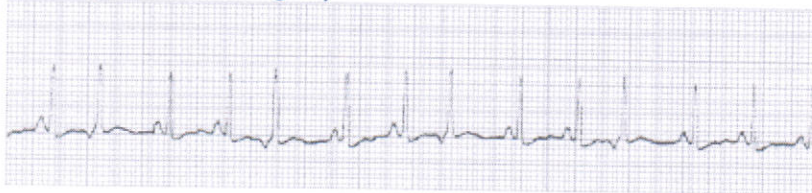
40. Identify the following rhythm:



Rate _____
Rhythm _____
P waves _____
PR interval _____
QRS duration _____
Identification: _____

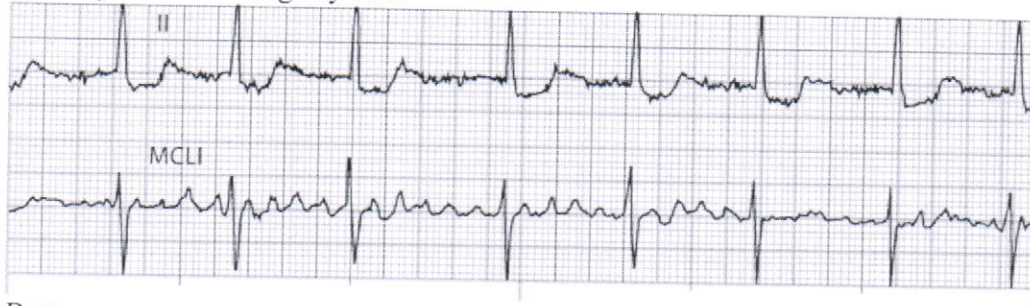
41. The term “junctional bradycardia” is used to describe a rhythm that is junctional in origin with:
- a. An atrial rate of less than 60 bpm.
 - b. A ventricular rate of 40–60 bpm.
 - c. An atrial rate of 40–60 bpm.
 - d. A ventricular rate of less than 40 bpm.

42. Identify the following rhythm:



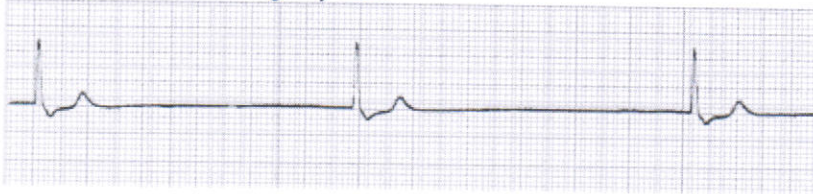
Rate _____
Rhythm _____
P waves _____
PR interval _____
QRS duration _____
Identification: _____

43. Identify the following rhythm:



Rate _____
Rhythm _____
P waves _____
PR interval _____
QRS duration _____
QT segment _____
Identification: _____

44. Identify the following rhythm:



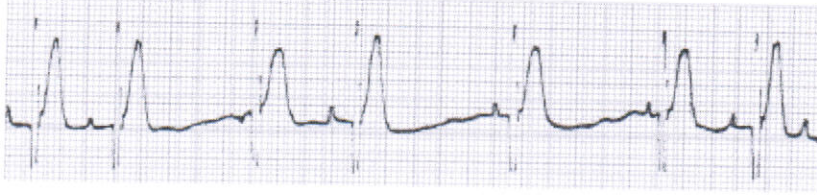
Rate _____
Rhythm _____
P waves _____
PR interval _____
QRS duration _____
Identification: _____

45. Identify the following rhythm:



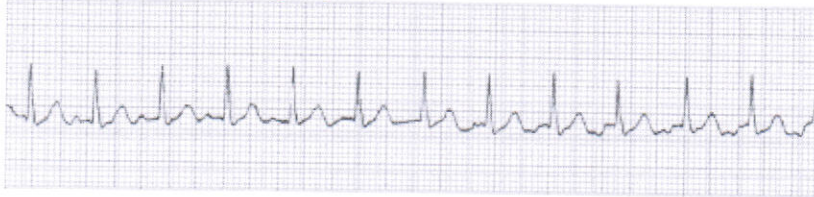
Rate _____
Rhythm _____
P waves _____
PR interval _____
QRS duration _____
Identification: _____

46. Identify the following rhythm:



Rate _____
Rhythm _____
P waves _____
PR interval _____
QRS duration _____
Identification: _____

47. Identify the following rhythm:



Rate _____
Rhythm _____
P waves _____
PR interval _____
QRS duration _____
Identification: _____

48. Identify the following rhythm:



Identification: _____

49. Identify the following rhythm:



Identification: _____

Name: _____

ID: A

50. Identify the following rhythm:



Rate _____
Rhythm _____
P waves _____
PR interval _____
QRS duration _____
Identification: _____