

Name: _____

SCC #: _____

INGALLS HOSPITAL
EMERGENCY MEDICAL SERVICES

CARDIOLOGY
September 2013

Reading Assignment: Cardiology PowerPoint found at www.regionviiems.com under South Cook County.

1. Describe what information is revealed from ECG monitoring. What information does it NOT provide.

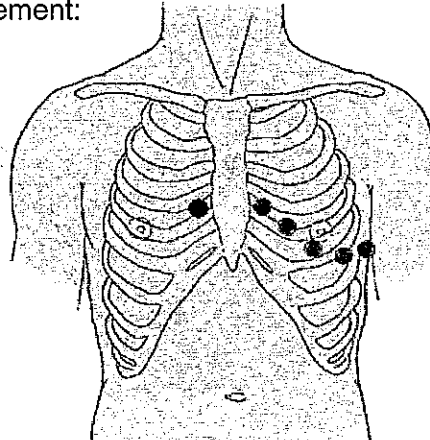
2. List the rates for the following:

SA Node _____

AV Junction _____

Purkinje _____

3. Diagram the V1 – V6 Lead placement:



4. Define "electrical axis" as it relates to 12 Lead monitoring.

5. Discuss the Q wave, ST segment changes that are seen on a 12 Lead, STEMI.

6. Fill in the following locations of infarcts:

| Lead (ST elevation) | Location of Infarction |
|---------------------|------------------------|
| II, III, aVF | |
| V1, V2 | |
| V3, V4 | |
| I, aVL, V5, V6 | |
| V4R, V5R, V6R | |

7. Define Congestive heart failure.

8. Discuss and define LVAD & RVAD.

9. Discuss basic VAD management.

10. List and discuss the 3 main screen outputs for the LVAD.

11. Discuss the important equipment that must accompany the VAD patient at all times.

12. Compare and contrast the Thoratec VAD and the HeartMate XVE.

13. List a minimum of 5 problems / complications associated with the VAD.

14. Discuss the treatment of arrhythmias for the VAD patient.

15. Compare and contrast yellow and red VAD alarms.

16. Discuss field management of VAD patients.