

WILL GRUNDY CME STUDY GUIDE
JANUARY 2009

1. Name the atrioventricular and semilunar valves :

2. Identify the blood flow through the heart:

Number from 1-14 starting with the SVC/IVC

- ___ Aorta
- ___ Aortic valve
- ___ Left atrium
- ___ Left ventricle
- ___ Lungs
- ___ Mitral valve
- ___ Pulmonary artery
- ___ Pulmonary vein
- ___ Pulmonic valve
- ___ Right atrium
- ___ Right ventricle
- 1___ SVC (superior vena cava) / IVC (Inferior vena cava)
- ___ Systemic circulation
- ___ Tricuspid valve

3. Blood entering the left atrium is usually:

- A) diluted
- B) hypercarbic
- C) deoxygenated
- D) oxygenated

4. OPQRST is the mnemonic for assessing chest pain. What does each letter stand for?

O –

R-

P-

S-

Q-

T-

5. Cardiac output (CO) = _____ X

6. Describe collateral circulation:

7. IMC (Initial Medical Care) would include:

- A. Position of comfort and administration of oxygen
- B. Apply AED as indicated
- C. Basic interpretation of an electrocardiogram
- D. All of the above

8. What is the most common description of pain from myocardial ischemia?

9. List 6 modifiable risk factors in preventing heart disease:

EMT-B STOP HERE

10. Describe the effects of stimulation of the parasympathetic nervous system (VAGUS NERVE) on the heart.

11. Identify the correct sequence of cardiac conduction:

- ___ Atrioventricular Junction
- ___ Bundle of His
- ___ Internodal Atrial Pathways
- ___ Left and Right Bundle Branches
- ___ Purkinje Fibers
- ___ Sinoatrial Node

12. Match the pacemaker site with the intrinsic rate:

- | | | |
|--------------|-----|------------|
| A. SA Node | ___ | 20-40 bpm |
| B. AV Node | ___ | 40-60 bpm |
| C. Ventricle | ___ | 60-100 bpm |

13. Each waveform represents conduction of an electrical impulse through a specific part of the heart- Match the following:

- | | | |
|----------------|-----|----------------------------|
| A. P wave | ___ | ventricular depolarization |
| B. T Wave | ___ | ventricular repolarization |
| C. QRS Complex | ___ | atrial depolarization |

14. Depolarization occurs as a result of the movement of:

Depolarization is an _____ (not mechanical) event.

15. The 2 major branches of the left coronary artery are: