

Cardiovascular System Review Guide

- 1) Know the path of blood flow through the heart.
- 2) Compare and contrast systemic and pulmonary circulation
- 3) Know how structure helps the function of the heart valves
- 4) Know how a heartbeat happens. Where does the lub and dub come from?
- 5) Know how the structure helps the function of veins and arteries
- 6) Understand the symptoms, effects on the body, prevention, causes, demographics affected of a disease for at least 4 different cardiovascular diseases
- 7) Trace the path of the electrical signal through the heart
- 8) Read and ECG (EKG) and be able to analyze it compared to normal. When can a defibrillator be used?
- 9) **Lab:** Be able to identify the different parts of the heart (pictures and dissected)
- 10) **LAB:** Be able to identify the major veins/arteries (pictures, paper-man, head guy, torso man). Be able to trace the path of blood through blood vessels. Be able to trace the path of blood through the body.
 - a) Arteries
 - i) Head/Neck
 - (1) R./L. Internal Carotid
 - (2) R./L. External Carotid
 - (3) R./L. Common Carotid
 - (4) R./L. Subclavian
 - (5) R./L. Lingual
 - (6) R./L. Facial
 - (7) R./L. Occipital
 - ii) Thorax
 - (1) Aortic Arch
 - (2) Pulmonary Trunk
 - (3) Pulmonary
 - (4) Brachiocephalic Trunk
 - iii) Arm
 - (1) R./L. Axillary
 - (2) R./L. Brachial
 - (3) R./L. Ulnar
 - (4) R./L. Radial
 - iv) Abdomen
 - (1) Abdominal aorta
 - (2) Celiac trunk
 - (3) Inferior mesenteric
 - (4) Superior mesenteric
 - (5) R./L. Renal
 - (6) R./L. Gonadal
 - (7) R./L. Common iliac
 - (8) R./L. Internal iliac
 - (9) R./L. External iliac
 - v) Leg
 - (1) R./L. Femoral
 - (2) R./L. Popliteal
 - (3) R./L. Anterior tibial
 - (4) R./L. Fibular
 - (5) R./L. Posterior tibial
 - b) Veins
 - i) Head/Neck
 - (1) R./L. External jugular
 - (2) R./L. Internal jugular
 - (3) R./L. Facial
 - ii) Thorax
 - (1) Superior vena cava
 - (2) R./L. Brachiocephalic
 - (3) R./L. Subclavian
 - iii) Arm
 - (1) R./L. Axillary
 - (2) R./L. Cephalic
 - (3) R./L. Brachial
 - (4) R./L. Basilica
 - (5) R./L. Ulnar
 - (6) R./L. Radial
 - iv) Abdomen
 - (1) Hepatic
 - (2) Superior mesenteric
 - (3) Inferior vena cava
 - (4) R./L. Renal
 - (5) R./L. Common iliac
 - (6) R./L. Internal iliac
 - (7) R./L. External iliac
 - v) Leg
 - (1) R./L. Femoral
 - (2) R./L. Great saphenous
 - (3) R./L. Anterior tibial
 - (4) R./L. Posterior tibial

11) **LAB:** Be able to identify cardiac muscle, its structures, and explain how its structure helps its function.