

Exam 1 – Chapter 15, Cardiovascular System

All notes are from Dr. Stein that she added during class corresponding to the slides.

Anatomy Lecture 1/13/10

Slide 15-2:

The word cardiovascular means two things, cardio means heart and vascular means vessel. The Cardiovascular system is a system of the heart and vessels working together.

Slide 15-3:

The location of the heart is located posterior to the sternum, breast bone, medial to the lungs, mediastinum, anterior to vertebral column, and lies upon the diaphragm, which is dome shaped and divides the thorax from the abdomen. The base of the heart lies beneath the second rib toward the upper right shoulder. The apex or point of the heart is located at the 5th intercostal space, which is the space between the ribs.

Slide 15-4:

There are different coverings of the heart. The heart is completely surrounded in fat. The pericardial cavity is a shiny sac inside the heart and the fibrous pericardium is a sac around the heart.

Slide 15-5:

The wall of the heart has three layers, endocardium, myocardium, and epicardium.

The endocardium is the inner layer. Bacterial endocarditis is a bacterial infection that can attack this layer of the heart.

The myocardium is the middle layer and is the thickest layer of the three.

The epicardium is the outer layer and keeps the outside of the heart from sticking to the sac.

Tricuspid
Bicuspid
Aortic Semilunar Valves

