Cardiovascular & Lymphatic Variation
(Take-home portion of Human Anatomy Lecture Exam II – 10 Points)

Complete this exercise by visiting the on-line text Illustrated Encyclopedia of Human Anatomic Variation at http://www.anatomyatlases.org/AnatomicVariants/AnatomyHP.shtml.

Cardiovascular: Heart

1. How frequently is incomplete closure of the foramen ovale noted?

2. According to the Cleveland Clinic, how frequently is incomplete closure of the foramen ovale (called a Patent Foramen Ovale) noted?

Cardiovascular: Vessels

3. Review your text, Fig. 20.18 and read the Deeper Insight entitled Patent Ductus Arteriosus (PDA).

4. My lecture states that the aorta typically bifurcates ~L4. How often is that true?

5. How frequently is the inferior vena cava doubled?

Lymphatic System (return to the alphabetical listing)

6. What percentage of people actually have a cisterna chyli?

True or False?

7. It is rare to find a simple (single) right lymphatic duct that enters directly into the junction of the internal jugular and subclavian veins.

8. The thoracic duct has been found draining into the azygos vein and the inferior vena cava.

9. The thoracic duct has been found terminating in the right subclavian vein rather than the left.