

*Please note: This is a study guide based on old practicals. If your instructor gives you additional information or omits information, please defer to their instructions.*

## **Study Guide for Practical 2**

All practicals are timed, rotational, station-based examinations. You will have 2 minutes at each station to answer the questions or label the structures on a model. You will not be allowed to go back to a station. Please ask your instructor if you would like further information about the format of each practical.

You need to know the following for Practical 2:

### **I. Material from the **Wedge of Bone Model.****

(see model in lab, the Learning Commons, or fully labeled on lab website)

-Be able to label all of structures listed on the website.

### **II. Material from the **Osteon Model.****

(see model in lab, the Learning Commons, or fully labeled on lab website)

-Be able to label all of structures listed on the website.

### **III. Material from the **Split Femur Model.****

(see model in lab, the Learning Commons, or fully labeled on lab website)

-Be able to label all of structures listed on the website.

#### IV. Labeling Bones and Bone Markings.

**This is a MAJOR part of Practical 2.** Many, many stations will focus on this material. Make sure to devote enough time to this material.

Find the “Need to Know Sheet” for Practical 2. (it is on the lab website if you lost it)

#### Skull

Find Table 2.

You need to be able to label each of the bones listed under “Specific Bones” on a real skeleton. If the bones are paired (there are two of them) then you must also know Left from Right.

You also need to be able to label all structures listed under “Bone Markings” on real bones of the skeleton.

TIP: I suggest you learn the bones first and then once you know the bones, then learn the bone markings. A good way to start is to color in the bones of the skull on blank drawings of the skull in various orientations. See the figures at the end of this handout for practice.

All Skull pictures used in this handout are taken from: Krieger, Paul A; A Visual Guide to Human Anatomy. 2008.

#### Vertebrae

You need to be able to ID the vertebrae by type (Cervical, Thoracic, and Lumbar).

TIP: Cervical is smallest and has 3 holes, Thoracic is medium sized and has a long, narrow spinous process, Lumbar is the largest and has a short, stubby spinous process.

You need to be able to ID axis and atlas by name.

You need to be able to label any structures labeled on the vertebrae on the lab website.

#### Sternum

-Be able to label the manubrium, sternal body and xiphoid process

#### Ribs

-Be able to label all the terms on the lab website.

## Appendicular Skeleton

Find Table 3 in the Practical 2 “Need to Know” handout.

You need to be able to label all the bones listed under “Specific Bones”. If the bones are paired (there are two of them) then you must also know Left from Right.

You also need to be able to label all structures listed under “Bone Markings” on real bones of the skeleton.

TIP: Note cards are a helpful way to learn the bone markings.

V. Figures you will be asked to label.

Figure 7.15 pg 101

The figure on Abnormal Curvatures of the Spine (given as a handout in class).