

Student name: _____

Date: _____

Laboratory Exercise - Tissues and Histology



Compact bone, x.s. 400x

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Learning Outcomes

1. List the 4 main types and characteristics of tissue found in the human body
2. Identify different types of epithelial tissue based on cell morphology and number of layers.
3. List the location and function of selected epithelial tissues in the human body
4. Identify different types of connective tissue.
5. List the location and function of selected connective tissues in the human body
6. Identify the three types of muscle tissue found in the human body.
7. List the location and function of three types of muscle tissue in the human body
8. Identify cell types in nervous tissue.
9. Describe the function of cells found in nervous tissue.

Histology Lab Manual

George S. Pappas



Histology Lab Manual:

A Supplement to the Histology Lab Manual Brian Keith Reid, 1997 *Histology Practical Manual* Balakrishna Shetty, H Sweekritha Poonja, 2018-09-30 Laboratory Manual of Histology George S. Pappas, 1990 *Laboratory Manual of Histology* George S. Pappas, 1994 **Lab Manual to accompany McKinley's Anatomy & Physiology Main Version** Michael McKinley, Dr., Valerie O'Loughlin, Theresa Bidle, 2021-01-27

Human anatomy and physiology is a complex yet fascinating subject and is perhaps one of the most personal subjects a student will encounter during his or her education. It is also a subject that can create concern for students because of the sheer volume of material and the misconception that it is all about memorization. The study of human anatomy and physiology really comes to life in the anatomy and physiology laboratory where students get hands on experience with human cadavers and bones, classroom models, preserved and fresh animal organs, histology slides of human tissues, and explore the process of scientific discovery through physiology experimentation. Yet most students are at a loss regarding how to approach the anatomy and physiology laboratory. For example, students are often given numerous lists of structures to identify, histology slides to view, and wet labs to conduct, but are given comparatively little direction regarding how to recognize structures or how to relate what they encounter in the laboratory to the material presented in the lecture. In addition, most laboratory manuals on the market contain little more than material repeated from anatomy and physiology textbooks, which provides no real benefit to a student. This laboratory manual takes a very focused approach to the laboratory experience and provides students with tools to make the subject matter more relevant to their own bodies and to the world around them. Rather than providing a recap of material from classroom lectures and the main textbook for the course, this laboratory manual is much more of an interactive workbook for students, a how-to guide to learning human anatomy and physiology through touch, dissection, observation, experimentation, and critical thinking exercises. Students are guided to formulate a hypothesis about each experiment before beginning physiology exercises. Diagrams direct students in how to perform experiments and don't just show the end results. The text is written in a friendly conversational tone to put students at ease as they discover, organize, and understand the material presented in each chapter.

Laboratory Manual of Histology and Cytology Stanley Lawrence Lamberg, Robert Rothstein, 1978 Histology Lab Manual Ruth A. Trachimowicz, 1999 **88520 Histology III : Lab Manual** Gabriel, Paul, Algonquin College, 1981* *Histology Laboratory Manual* George H. Crozier, 1965 Histology Jon Christopher Kerr, 2001

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Histology Lab Manual Introduction

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