TRMD 6090 Parasitology Lab

Professor: Mark Wiser, PhD, Susan McLellan, MD

Credits: 1

Semester(s) offered: Fall

**Course Description:**

The identification of medically important parasites relies heavily upon macroscopic and microscopic examination of clinical specimens. In this course students will learn the basic principles of identifying parasitic helminthes and protozoa in blood, feces, and tissue specimens. Prepared specimens of the major helminth and protozoan pathogens of humans will be provided for macroscopic and microscopic examination. Students will learn the basic operations of the microscope and how to identify and distinguish the various helminthes and protozoa. Samples demonstrating the pathological features of the disease will also be provided. The techniques for preparing diagnostic specimens of parasites in blood and feces will be reviewed.
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Learning Objectives:

By the end of the course students should be able to:

1. Operate a microscope.
2. Describe standard techniques for preparing clinical specimens for microscopy.
3. Indicate the most appropriate clinical specimens for the diagnosis of the major human parasites
4. Identify the major parasite pathogens following microscopic examination of stool, blood or tissue samples.