
SECTION HEADING

MDLT 1115: Biological Fluids

Description

Biological Fluids introduces the student to the practical aspects of renal physiology and the theory of urine chemical, physical and microscopic tests. In addition, analysis of other body fluids (fecal specimens, cerebral spinal fluid, seminal fluid, amniotic fluid, synovial fluid) are reviewed in the lecture portion of the class. In the laboratory, the student will perform physical, chemical and microscopic analysis on urine specimens, and analysis of other body fluids.

Credits

3

Prerequisite

Microscopic usage is helpful

Corequisite

None

Topics to be Covered

1. Terminology associated with body fluid
2. Collection & transport of body fluid
3. Performance and analysis of laboratory procedures
4. Reporting of laboratory results
5. Mathematics and formulas used
6. Anatomy & physiology of kidneys
7. Correlation of lab results and disease
8. Quality control and quality assurance
9. Safety and infection control

Learning Outcomes

1. Describe the composition, formation and functions of selected body fluids.
2. Process and analyze body fluid specimens using only necessary supplies and within a reasonable amount of time.
3. Exhibit an understanding of the anatomy and functions of the renal system.
4. Collect and perform macroscopic and microscopic analysis of urine samples within stated limits of accuracy.
5. Evaluate laboratory test outcomes and correlate test results with patient condition(s).
6. Defend the value of maintaining a safe laboratory environment.
7. Demonstrate improvement in the affective traits of organizational skills, work habits, attitude, interpersonal skills, and problem-solving ability.

Credit Details

Lecture: 2

Lab: 1

OJT: 0

MnTC Goal Area(s): None