Course Competency

MLT 1500L Clinical Immunology/Serology Laboratory

Course Description

Diagnostic modalities used in Clinical Immunology laboratory, including indications, contraindications, principles of application, and/or interpretation, and quality control methods

Course Competency	Learning Outcomes
Competency 1: The student will demonstrate knowledge and understanding of serological assay procedures and correct interpretation of test results by:	1. Critical thinking 2. Numbers / Data 3. Communication 4. Computer / Technology Usage
1. Identifying reagents and supplies needed for each lab, organize work so that the reagents, supplies, and equipment are utilized appropriately and work is completed within a reasonable timeframe. 2. Describing the principles of and performing serological tests 3. Evaluating laboratory test outcomes and relate serology tests to the disease or condition associated with each test 4. Evaluating the suitability of clinical specimens.	
Competency 2: The student will recognize the limitations the performance of procedures of serological tests by:	1. Communication 2. Numbers / Data 3. Critical thinking 4. Ethical Issues 5. Computer / Technology Usage
1. Maintaining confidentiality of patient samples utilized 2. Evaluating laboratory test outcomes and relating serology tests to the disease or condition associated with each test.	

3. Evaluating the suitability of clinical specimens. 4. Recognizing normal and abnormal Immunological assay results and correlating the data with appropriate pathologic conditions	
Competency 3: The student will demonstrate knowledge and comprehension of immunology principles and application by:	1. Communication 2. Numbers / Data 3. Critical thinking 4. Computer / Technology Usage
1. Applying knowledge gained from lecture; laboratory and the textbook to troubleshoot and problem solve serological results obtained during laboratory tests. 2. Achieving competency in routine serological procedures utilizing a number of reagents, supplies, and techniques. 3. Utilizing reagent package inserts and perform tests to obtain appropriate information for performing and troubleshooting serological procedures, and determining clinical significance and normal values.	

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