

### Course Description

This seminar will answer questions regarding common laboratory and diagnostic tests. Participants will learn the significance of both the normal findings of numerous commonly ordered laboratory tests as well as the implications of various abnormalities. Content will cover hematology and chemistry studies, culture and sensitivity results and cardiovascular topics. This seminar is meant to enhance the practice of healthcare workers in all clinical areas.

### Program Learning Outcomes

*This program prepares the learner to:*

- Experience enhanced knowledge of common laboratory studies and implications for bedside providers.

### Agenda

*Sign-in begins at 7:30 am.* The day includes a one-hour lunch (on your own), as well as a morning and afternoon break of 15 minutes each. The order of lectures presented and break times may vary according to speaker preference.

#### 8:00 am to 3:15 pm

##### **Introduction to Laboratory Tests**

Test Reliability | Phlebotomy Best Practices | Sepsis Labs

##### **Untangling Alphabet Soup of Hematologic Studies**

Blood Basics | Red Blood Cells | Erythrocyte Sedimentation Rate | White Blood Cells | Platelets | A1C | Case Studies

##### **The Positives and Negatives of Electrolyte Studies**

Fluid Compartments | Osmolality | Sodium | Potassium | Chloride | Calcium | Phosphorous | Magnesium | Anion Gap | Case Studies

##### **CSI: Culture and Sensitivity Investigation**

Microbiology Review | Culture and Sensitivity | Antibigram | Specimen Collecting Tips | Practical Application

#### **Lunch 12:30 pm to 1:30 pm**

##### **Testing Through the Ages**

Pregnancy-Related Hormones | Urine, Serum Pregnancy Tests | Normal Lab Values During Pregnancy | Gestational Diabetes | ABGs in Pregnancy | Geriatric Considerations

##### **Cardiovascular Studies**

Risk Factors | Cholesterol | C-Reactive Protein | Cardiac Enzymes | Natriuretic Peptides

# Accreditation

## RN/LPN/LVN/Other: 5.75 Contact Hours

MED-ED, Inc is accredited as a provider of nursing continuing professional development by the American Nurses Credentialing Center's Commission on Accreditation.

MED-ED, Inc. is an approved provider by the following State Boards of Nursing: **Florida**/FBN 50-1286, **Iowa**/296, **California** #CEP10453.

If your profession is not listed, we suggest contacting your board to determine your continuing education requirements and ask about reciprocal approval. Many boards will approve this seminar based on the accreditation of the boards listed here.

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