



## **5 – Therapeutic Drug Monitoring & Toxicology, by Dr. Cleve**

A few “rules of thumb” and basic concepts to help you give more useful answers to therapeutic drug level requests and keep you out of trouble with toxicology.

## **6 – Understanding Medical Laboratory Quality, by Dr. Noble**

Modern view of Quality in the medical laboratory still begins with Quality Control but no longer ends there. Today the arena of Quality extends to a full discussion of Quality Assessment, Quality Management, Continual Improvement, Quality Partners, Quality Costs and Quality Culture. It is through our efforts and energy to ensure Quality that we can meet the needs of our patients, our colleagues and our profession.

## **7 – Kidney Function Tests, Urinalysis and Urinalysis Case Histories, by Dr. Pudek**

In this session the physiological function of the kidney, common disorders of the kidney and the role of renal function tests in assessing kidney disease will be examined. The components of routine urinalysis will also be reviewed. The laboratory assessment of renal disease will be reviewed using case examples.

## **8 – Clinical Enzymology & Biomarkers of Cardiac Injury. Cardiac Markers: Myocardial Infarction, by Dr. Pudek**

The general properties of enzymes and how they are measured will be reviewed. The sources, clinical use and methods of measurement of alkaline phosphatase, lactate dehydrogenase, aspartate transaminase, alanine transaminase, amylase, gamma glutamyl transpeptidase, creatine kinase and lipase will be discussed. Case histories will be utilized to illustrate the application of clinical Enzymology.

In part 2 of this the role of troponin I and T as markers of cardiac injury including myocardial infarction will be reviewed

