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- Perform no daily maintenance

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**REGISTER BY DISEASE STATE OR INDIVIDUALLY:**

**• KIDNEY DISEASE SERIES:**
- July 10 – Biomarkers for Chronic Kidney Disease: Glomerular Filtration and Progression of Kidney Disease
- Aug 14 – Biomarkers for Chronic Kidney Disease: Urine Albumin and Multi-markers
- Sept 11 – Biomarkers for Acute Kidney Injury: Now and the Future

**• THYROID DISEASE SERIES:**
- Oct 9 – Perspectives in Thyroid Testing: Pros and Cons of Immunoassay and Mass Spectrometry
- Nov 13 – Effective Laboratory Testing for Thyroid Health During Pregnancy
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*This chart represents common types of submissions to Clinical Chemistry.*

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Clinical Case Study

For November 2012

Fatal Electrolyte Abnormalities Following Enema Administration

Authors: Dominika Szoke,1 Alberto Dolci,1 Augusto Genderini,2 and Mauro Panteghini1

1Clinical Biochemistry Laboratory, ‘Luigi Sacco’ University Hospital, and Department of Clinical Sciences, University of Milan Medical School, Milan, Italy
2Nephrology and Dialysis Department, ‘Luigi Sacco’ University Hospital, Milan, Italy

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Here are just a few of this year’s highlights:
- Uncovering what you don’t know: Asking the right questions when starting your lab automation project
- Planning ahead to minimize workarounds in the automated lab
- Integrating middleware and auto verification
- Unlocking the power of QC: Your key to lab excellence

Laboratories all over the world are facing many of the same challenges: integrating lab processes into an increasingly IT-focused healthcare world, improving efficiency and quality, assuring patient safety, and managing cost constraints. Attend this meeting and learn how fellow laboratorians have harnessed the power of automation to meet these challenges head on.

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For information on corporate partnership opportunities, please contact David Sainato at AACC (dsainato@aacc.org).
Laboratory testing plays an integral part in the diagnosis and treatment of inherited metabolic diseases. With the introduction of expanded newborn screening for inherited metabolic diseases, increasing numbers of laboratory personnel and healthcare providers are involved in initial and follow-up confirmatory laboratory testing. Because inherited metabolic diseases are still rare and infrequently encountered, few guides to the selection and interpretation of laboratory tests are available, which can make choosing the appropriate diagnostic test challenging. Written by practicing clinical and laboratory experts, Laboratory Diagnosis of Inherited Metabolic Diseases is intended to provide information about the laboratory test selection, sample collection, processing and handling, and results interpretation in patients with suspected inherited metabolic diseases. Although detailed method description is beyond the scope of this book, interested laboratorians will find information to identify necessary resources to set up a particular method. Illustrative metabolic pathways and chromatograms for a number of inherited metabolic disorders are provided. The book also provides the basic information on clinical presentation, genetics and pathogenesis, treatment, and prognosis of selected inherited metabolic diseases.
Improving the Efficiency of Critical Value Reporting: The Clinician/Lab Partnership

Tuesday, October 16, 2012  ~  2:00-3:30 pm Eastern U.S. Time

Finding ways to make your critical value reporting more efficient requires a systems approach—one in which laboratorians, clinicians and others involved in the process collaborate. During this webinar, two laboratory experts explain what they’ve done in their hospital to create efficiencies in the critical value reporting process. Dr. Gordon Schiff, Associate Director of the Center for Patient Safety Research and Practice at Harvard, will provide the physician’s perspective on critical values reporting, discussing approaches you can take to find and fix the vulnerabilities in your critical value reporting systems.

Attend this program and know:
- Where to find the “failure mode” areas in your process that are prone to error
- The physician’s and lab director’s perspective on striking the appropriate balance for reporting critical values, managing the “subcritical” value, and reporting critical results from sendout tests
- The advantages and disadvantages of using clinical decision support and other electronic tools to improve critical result reporting
- How current regulations and accreditation requirements affect the way labs build their critical value reporting processes
- Strategies for measuring the effectiveness of your critical value reporting system and improving its efficiency

Program Faculty:
- **Gordon Schiff, MD**, Associate Director, Center for Patient Safety Research and Practice; Internist, Division of General Internal Medicine, Brigham and Women’s Hospital; and Associate Professor of Medicine, Harvard Medical School, Boston, MA

- **Corinne R. Fantz, PhD**, Co-director of the Core Laboratory, Emory Crawford Long Hospital, Director of Point-of-Care, Emory Medical Laboratories, and Associate Professor, Pathology and Laboratory Medicine, Emory University School of Medicine, Atlanta, GA

- **Crystal Evans, MT(ASCP)**, Regulatory Coordinator, Department of Pathology and Laboratory Medicine, Emory University Hospital, Atlanta, GA

This program is approved by AACC for 1.5 Category 1 ACCENT credit hours.

Learn what you can do to make the process of critical value reporting work better for your lab and your clinicians. Register today!

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Quick Guide to Laboratory Statistics and Quality Control

George A. Fritsma and David L. McGlasson

2012, 54 pages, spiral binding
ISBN 9781594251412
Product # 7295
Price only $20; AACC Member $16

The Quick Guide to Laboratory Statistics and Quality Control provides instructions for medical laboratory scientists, quality assurance specialists, and directors so they can develop, modify, and validate laboratory instruments and assays to meet rigorous quality standards.

The Guide outlines ways of determining accuracy and precision among assays, statistically validating them, and examining and establishing their clinical efficacy. The Guide is also intended as a reference for product support specialists so they can place and certify newly installed instruments and purchased assays.

The Guide can be used to assist physicians, pharmacists, pathologists, physician assistants, and medical fellows, residents, and students in understanding how reliability is built into laboratory assays. Further, the Guide provides a means by which laboratory data may be “mined” to develop medical research data. The information contained in this Quick Guide also clarifies laboratory assay utilization to help predict, diagnose, and monitor therapy for clinical conditions and disease.

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Cutting Edge Technologies, Common Sense Solutions

You Can’t Afford to Miss This Webinar Series

AACC’s 2013 webinar series highlights areas of laboratory testing where new technologies are making an impact. Our experts bring you the latest thinking on best practices in four clinical areas that are experiencing growth. Attend these webinars and learn common sense approaches for using new test technologies in the fields of cancer, TDM/tox, cardiology, and infectious disease.

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Assistant Director, Clinical Chemistry

The Department of Pathology at The Ohio State University Wexner Medical Center Columbus, Ohio is seeking an individual with an MD or PhD for the role of assistant director of Clinical Chemistry. The successful candidate will be required to (1) provide medical and technical oversight in conjunction with the Director of Clinical Chemistry to all appropriate areas of the clinical laboratory, (2) develop a basic or applied clinical research program and (3) participate in the teaching responsibilities of the department to include graduate students, medical students, residents, and fellows. Candidates with the following background and experience are encouraged to apply: (1) board certification or eligibility by the American Board of Pathology with training and experience in clinical chemistry. In addition, the applicant must also demonstrate effective communication skills and a strong customer-service focus. A clinical or academic University appointment in the Department of Pathology is available to the qualified applicant with academic rank commensurate with experience and scholarly achievement.

The Ohio State University Medical Center is a tertiary health care facility of 1140 beds located on two campuses. The Department of Pathology offers excellent opportunities for career development including opportunities for collaborative research with investigators in the Department of Internal Medicine as with other faculty in both the clinical and basic science departments within the medical center. We are an equal opportunity, affirmative action employer. Women, minorities, Vietnam-era veterans, disabled veterans and individuals with disabilities are encouraged to apply. Please send a letter of application with a statement of research interests, a brief description of career goals, curriculum vitae, and four names and addresses for letters of recommendation to:

Amy Gewirtz, M.D.
Medical Director, Clinical Laboratories
Ohio State University Medical Center
410 W. 10th Avenue, Room E310A Doan Hall
Columbus, OH 43210
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The Quick Guide to Autoimmune Disease Serology is intended as a brief reference for medical residents and students, physicians, physician assistants, nurses, and medical technologists who detect and diagnose autoimmune diseases.

The signs and symptoms of many autoimmune diseases can be relatively common, thus making the diagnoses of these diseases a difficult undertaking. Many of the autoantibodies listed in this Quick Guide are only markers associated with the disease and may not be involved in the pathogenesis of the disease. In addition, many of these autoantibodies can be found in several different autoimmune diseases; therefore, their presence cannot be used for a conclusive diagnosis of any specific disease. The assay and antibody descriptions included in this Quick Guide have been significantly simplified so that they can be rapidly read, understood, and utilized.
Two of the major talking points in healthcare today are how to make healthcare more patient-centered and how to use innovative technology more effectively. The authors explore these issues for point-of-care testing (POCT) and how it can be used to deliver better health outcomes for patients, as well as for purchasers and providers of healthcare.

Health reform is now a focus of attention in most countries in the world for a number of reasons:

- Access to care can be limited due to disability, distance, and/or inability to pay.
- Service is fragmented and disconnected.
- Error rates are unacceptable.
- Evidence and adherence to guidelines are poor.
- Services are based on a fee-for-service rather than fee-for-outcome.
- Patient experience is poor.

This is not a book about the technology of POCT, but rather how to use POCT to address many of the problems that arise from disjointed services and delays in delivering vital information, such as medical test results, to the point of care.

*Point-of-Care Testing: Making Innovation Work for Patient-Centered Care* illustrates how:

- Managers and policymakers can identify inefficiency and ineffectiveness in a service.
- Services can be redesigned through the use of a care pathway-based approach.
- Physicians and other caregivers can make decisions and take action at the first point of contact with the patient.
- More care can be delivered in the home and in primary care.
- Hospital referrals can be reduced.
- Hospital discharges can be managed more effectively.
- Patients can take more responsibility for their own care.
Referenced Review Questions in Toxicology, 2nd Edition

Robert M. White, Sr.
2012, 261 pages, softcover
ISBN 9781594251276
Product # 6721
Price only $49; AACC Member $39

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