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By Janelle M. Chiasera, Robert W. Hardy, and John A. Smith

The Quick Guide to Clinical Chemistry, Second Edition, is a pocket-sized reference intended for physicians, nurses, physician assistants, nurse practitioners, medical technologists, pharmacists, and residents and students in those professions. This Guide focuses on the selection and use of chemistry laboratory tests for diagnosing and managing emergent conditions such as poisonings, acute abdominal pain, sepsis, and acute myocardial infarction.

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Barry Levine, Justin M. Holler, Shawn P. Vorce

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The Quick Guide to Designer Drugs reviews the major classes of abused drugs where this phenomenon has been occurring. Included are discussions of designer cathinones (bath salts), synthetic cannabinoids (spice, K2), and designer phenethylamines and tryptamines, as well as analogs of benzodiazepines, ketamine, opioids, and phencyclidine. Specific sections are devoted to the designer cathinones and synthetic cannabinoids because of their popularity for use and abuse.

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THE EXPERT: Daniel Holmes, MD, Clinical Associate Professor of Pathology and Laboratory Medicine at the University of British Columbia and Division Head of Clinical Chemistry at St. Paul’s Hospital, Vancouver, BC, Canada

June 3, 2015
Using LC MSMS for Toxicological Analysis in the ED
THE EXPERT: Kara Lynch, PhD, DABCC, Assistant Clinical Professor, Department of Pathology and Laboratory Medicine, University of California, San Francisco, and Associate Division Chief, Clinical Chemistry and Toxicology Laboratory, San Francisco General Hospital, San Francisco, California

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- Tuesday, June 16 — heterophilic interferences and how to address them
- Wednesday, June 17 — prozone or hook effect and what can be done to detect it and avoid it
- Thursday, June 18 — cross-reactivity, matrix effects and other causes of interference

Each day, Dr. Datta will give a 20-minute presentation and answer your questions. The series offers 1.5 ACCENT CE credits. Can’t attend all three webinars? Playback links for the webinars will be emailed to registrants at the conclusion of each live event.

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Clinical Chemistry is pleased to announce a special upcoming theme issue on Mass Spectrometry edited by Drs. Andy Hoofnagle, David Herold, Graham Cooks, and Thomas Annesley titled “Clinical Mass Spectrometry: Achieving Prominence in Laboratory Medicine.” Clinical Chemistry, published by the American Association for Clinical Chemistry, is the most highly cited forum for peer-reviewed, original research in the fields of clinical chemistry and laboratory medicine.

The purpose of this issue is to highlight recent advances in the use of mass spectrometry – including new technological improvements – to the diagnosis, risk assessment, treatment, and cost effective management of patients. The science that addresses the advances and considerations that surround novel approaches will be covered.

Clinical Chemistry invites authors to submit original articles related to mass spectrometry to be considered for publication in this special issue. Manuscripts are most likely to be favorably received if they address novel technologies or approaches that can be used to diagnose, treat, and prevent disease or its sequelaes.

**Potential topics of interest include:**

- Analytical aspects of new mass spectrometric techniques, instruments, and platforms.
- Applications of mass spectrometry to study of the pathophysiology of disease.
- Role of mass spectrometry in the identification and clinical validation of novel biomarkers (single or multiple biomarker strategy) of disease.
- Application of mass spectrometry to new areas such as point of care, operating room diagnostics, direct tissue analysis and imaging, infectious disease, antibiotic resistance, nucleic acids, and genetic mutations.
- Novel advances in the use of mass spectrometry for newborn screening, athletic/doping testing, cancer, immunology, toxicology, proteomics, and metabolomics.
- Data analysis, assay validation, data acquisition and reduction, regulatory affairs, and cost analysis.

**Be a part of this exciting issue!**

Submissions must be received through our online submission system at submit.clinchem.org no later than June 1, 2015. We still welcome submissions after that date, but cannot guarantee the inclusion of late submissions for the Special Issue. Your cover letter should express your interest in submitting your paper for consideration for the Mass Spectrometry theme issue. Journal guidelines for submission apply as described in the Information for Authors on the submission website.
This is an updated edition of the unique and successful textbook on laboratory evaluation of the poisoned patient. An outstanding group of experts in the fields of laboratory medicine, emergency medicine, and toxicology who herald from poison control centers and academic, governmental, and private laboratories have helped produce this new edition. The wide range of disciplines represented points to the very essence of the contemporary practice of toxicology: the dramatic advances in the care of the poisoned patient, the advent of regional poison centers, and the successful efforts of clinical laboratories to adapt new and effective technologies to support changing diagnostic and treatment modalities.

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