

CURRICULUM VITAE

DATE: January 1, 2022

NAME: James Harold Nichols, Ph.D., DABCC, FAACC

ADMINISTRATIVE TITLE: Medical Director, Clinical Chemistry
Medical Director, Point-of-Care Testing

OFFICE ADDRESS: Department of Pathology, Microbiology, and Immunology
Vanderbilt University School of Medicine
1301 Medical Center Drive, 4918D TVC
Nashville, TN 37232-5310

OFFICE PHONE NUMBER: (615) 343-5708

E-MAIL ADDRESS: james.h.nichols@vumc.org

FAX: (615) 343-9563

EDUCATION:

1983	B.A.	Premedicine/Biology	Revelle College, University of California at San Diego, La Jolla, CA
1986	M.S.	Biochemistry	University of Illinois, Urbana, IL.
1990	Ph.D.	Biochemistry	University of Illinois, Urbana, IL.

POST DOCTORAL TRAINING: (Fellowship)

1992	Clinical Chemistry	Mayo Clinic, Rochester, MN.
------	--------------------	-----------------------------

LICENSURE AND CERTIFICATIONS:

10/95	Diplomate	American Board of Clinical Chemistry Clinical Chemistry, Certificate Number 895
9/95	Diplomate	American Board of Clinical Chemistry Toxicology and Therapeutic Drug Monitoring, Certificate 107
7/97	Fellow	American Association for Clinical Chemistry (AACC) Academy, formerly National Academy of Clinical Biochemistry (NACB)

ACADEMIC APPOINTMENTS:

- 1992-2000 Assistant Professor of Pathology
 Johns Hopkins School of Medicine
 Baltimore, MD
- 2000 Associate Professor of Pathology
 Johns Hopkins School of Medicine
 Baltimore, MD
- 2002 Associate Professor of Pathology
 Tufts University School of Medicine
 Boston, MA
- 2008 Professor of Pathology
 Tufts University School of Medicine
 Boston, MA
- 2012 Professor of Pathology, Microbiology, and Immunology
 Vanderbilt University School of Medicine
 Nashville, TN

HOSPITAL APPOINTMENTS:

- 1992-2000 Associate Director of Clinical Chemistry Division
 Director, Point of Care Testing Programs
 Director, Drug Analysis Laboratory
 Co-Director, Clinical Chemistry Postdoctoral Training Program
 Clinical Coordinator, Allied Health Education
 Department of Pathology
 Johns Hopkins Medical Institutions
 Baltimore, MD
- 1999-2000 Co-Investigator, Drug Analytical Laboratory
 Johns Hopkins Singapore
 Singapore
- 2001-2012 Medical Director, Clinical Chemistry
 Department of Pathology
 Baystate Health System, Springfield, MA
- 2003-2012 Director, Point of Care Testing
 Shriner's Hospital, Springfield, MA

HOSPITAL APPOINTMENTS: (Continued)

- 2012-current Medical Director, Clinical Chemistry
Vanderbilt University School of Medicine
- 2014-2015 Associate Medical Director, Clinical Operations
Vanderbilt University Medical Center
- 2015-current Medical Director, Point-of-Care Testing
Vanderbilt University Medical Center
- 2016-current Director, Clinical Chemistry Postdoctoral Training Program
Vanderbilt University Medical Center
- 2017-current Medical Director, Vanderbilt Health Walk-In Clinic Bellevue
- 2020-current Medical Director, Mt. Juliet Vanderbilt Health Walk-In and Primary Care
Clinic
- 2020-current Medical Director, Vanderbilt Health Walk-In Clinic Belcourt

AWARDS AND HONORS:

- 1977 Summer Research Trainee Fellowship (National Science Foundation)
- 1979 Certification Piano/Organ Teacher (California State Board of Music)
- 1979 Graduation with Highest Honors, class rank 4/479 (Hilltop High)
- 1979 Merit Scholarship (Unit 61 Fleet Reserve Association)
- 1979 Class of '79 Scholarship (Hilltop High School French Society)
- 1979 National Certificate of Merit (National Teachers of French)
- 1979 Dr. Elizabeth McPike Brown Scholarship, San Diego Area Winner (American
Association Teachers of French)
- 1983 Provost Honor List (University of California at San Diego)
- 1991 Student Poster Contest, Third Place, 43rd National Meeting (American Association for
Clinical Chemistry)
- 1995 Clinical Chemist's Recognition Award (American Association for Clinical Chemistry)
- 1996 Outstanding Speaker Award (American Association for Clinical Chemistry)
- 1997 Outstanding Speaker Award (American Association for Clinical Chemistry)
- 1997 Best Abstract, CliniChem '97 (American Association for Clinical Chemistry)
- 1997 Recognition Award, Chair Capital Section (American Association for Clinical
Chemistry)
- 1999 Certificate of Appreciation for Outstanding Contributions in Continuing Education
(NASA, National Air and Space Administration)
- 2000 Recognition Award, Chair, Capital Section (American Association for Clinical
Chemistry)
- Outstanding Speaker Award (American Association for Clinical Chemistry)

AWARDS AND HONORS: (Continued)

- 2001 Center for Devices and Radiologic Health (CDRH) Special Recognition Award (Food and Drug Administration)
Service Award (Connectivity Industry Consortium)
Outstanding Speaker Award (American Association for Clinical Chemistry)
- 2002 Best Abstract Award, Silverman BC, Clarke W, Dyer KL, Stem JE, Nichols JH, Sokoll LJ. Investigation of Animal Bloods as Alternative Sources for Point-of-Care Testing Validation and Proficiency Materials. (American Association for Clinical Chemistry)
Outstanding Speaker Award (American Association for Clinical Chemistry)
Best Abstract Award, Moccio R, Bartholomew C, Chiapuzzi C, Lindenauer P, Navab F, Provost M, Nichols JH. Gastrocult: The Demise of a Point-of-Care Test. (American Association for Clinical Chemistry)
- 2003 Clinical Chemist Recognition Award (Continuing Education) (American Association for Clinical Chemistry)
Outstanding Speaker Award (American Association for Clinical Chemistry)
Improving ICU Outcomes Project, Baystate Nomination for 2003 President's Quality Award
- 2004 Board of Directors Service Recognition (National Academy of Clinical Biochemistry)
- 2004 Board of Directors Service Recognition (American Association for Clinical Chemistry)
- 2006 Board of Directors Service Recognition (American Board of Clinical Chemistry)
- 2007 Outstanding Speaker Award (American Association for Clinical Chemistry)
- 2009 Excellence in Standards Development (Clinical and Laboratory Standards Institute)
- 2009 Outstanding Speaker Award (American Association for Clinical Chemistry)
- 2009 Honorable Mention Poster Presentation (APIII Pathology Informatics Conference)
- 2010 NACB Professor Alvin Dubin Award for Service to the Academy and Profession (National Academy of Clinical Biochemistry)
- 2011 Outstanding Speaker Award (American Association for Clinical Chemistry)
- 2012 Outstanding Speaker Award (American Association for Clinical Chemistry)
- 2013 Outstanding Speaker Award (American Association for Clinical Chemistry)
- 2013 John V Bergen Award for unique and significant contributions to CLSI (Clinical and Laboratory Standards Institute)
- 2013 Lifetime Achievement Award for Directors of Point-of-Care Testing (Critical and Point-of-Care Testing Division, American Association for Clinical Chemistry)
- 2014 Outstanding Speaker Award (American Association for Clinical Chemistry)
- 2015 Pediatric Quality Award 2015 semifinalist for Reducing Laboratory Testing on a Pediatric Hospitalist Service (Children's Hospital Association)
- 2015 *The Pathologist* magazine 2015 Power List of 100 most inspiring people in field of laboratory medicine
- 2015 Outstanding Speaker Award (American Association for Clinical Chemistry)
- 2016 SYCL Mentorship Award 2016 (American Association for Clinical Chemistry, Society for Young Clinical Laboratorians).
- 2017 Excellence in Standards Development (Clinical and Laboratory Standards Institute) POCT17, 1st Edition.

AWARDS AND HONORS: (Continued)

2021 Meyer Bodansky Visiting Professor of Experimental Pathology (University of Texas Medical Branch (UTMB))

HOSPITAL COMMITTEE ASSIGNMENTS:

Johns Hopkins Medical Institutions:

1992-1994 Task Force on Bedside Glucose Testing
1993-2000 Chair/Faculty Consultant - Allied Health Training Committee (Formerly the Education and Recruitment Committee)
1993-1996 Clinical Advisory Committee
1993-1995 Chair, Lab Notes Handbook/PathFinder Task Force
1994 Co-Chair, Task Force for the Implementation of Bedside Glucose Testing
1994-2000 Pharmacy and Therapeutics Committee
1995-2000 Co-Chair of the Near Patient Testing Quality Assurance Task Force
1995-1996 Pediatric Therapeutic Drug Monitoring CQI Committee
1995 Routine Testing Reengineering Work Group
1996-2000 Chair, Allied Health Committee
1996-2000 Education Advisory Committee
1996-2000 Continuing Medical Education Committee
1997 Task Force for Contract Research Activities
1998 Task Force for Antibiotic On-Hold Issues
1999-2000 Laboratory Advisory Committee
1999 Chemistry Faculty Search Committee
1998-1999 Tissue Banking Committee
2000 Performance Improvement Committee

Baystate Health System

2001-current Pathology Performance Improvement Team
2001-current Point of Care Testing Committee (Chair)
2001-2003 Massachusetts Coalition for the Prevention of Medical Errors: Communicating Critical Test Results Consensus Group
2004 Diabetes Center of Excellence Task Force
2005 Quality Informatics Committee
2005-current BMC Patient Safety Committee
2007 Laboratory Move and Redesign Committee
2007-current Institution Review Board (IRB) (Alternate Member)

Shriner's

2005 Shriner's Health System Laboratory Accreditation Taskforce

Vanderbilt University Medical Center

2013	Stroke Accreditation Preparation Committee
2015	Ebola Preparedness Committee
2015	Cycle IV Chest Pain Accreditation Process Improvement Presentation (8/31/15)
2020	Pediatric Endocrinology Steering Board

NATIONAL/REGIONAL COMMITTEE ASSIGNMENTS:

1999-2000	Nominating Committee, American Association for Clinical Chemistry
2000-2001	Board of Directors, Connectivity Industry Consortium
2001	Member, NCCLS Subcommittee on POC Connectivity in the Area Committee on Automation
2001-2002	Edutrak Coordinator, Annual Meeting Organizing Committee, 2002, Orlando, Florida American Association for Clinical Chemistry
2001-2006	Board of Directors, American Board of Clinical Chemistry
2001-2003	Board of Directors, National Academy of Clinical Biochemistry
2002-2004	Board of Directors, American Association for Clinical Chemistry
2002	Committee for International Federation of Clinical Chemistry/Roche Diagnostic Award for Significant Advances in Critical Care Testing (Kyoto, 10/02 IFCC meeting)
2002-2004	Chair, Laboratory Medicine Practice Guideline Program Committee on Evidence Based Practice for Point of Care Testing, National Academy of Clinical Biochemistry.
2004	Executive Committee, At-Large, Board of Directors, American Association for Clinical Chemistry
2004-2006	Chair, Meetings Management Group, American Association for Clinical Chemistry
2004-2008	Program Coordinating Committee, American Association for Clinical Chemistry
2004-2005	Vice-Chair, Area Committee on POCT, Clinical and Laboratory Standards Institute (CLSI) formerly the National Committee for Clinical Laboratory Standards (NCCLS)
2004-2011	Chairholder's Council, Clinical and Laboratory Standards Institute (CLSI)
2004-2009	Liaison, College of American Pathologists (CAP), POCT Checklist Committee
2004-2006	Credentials Committee, American Board of Clinical Chemistry
2005	Committee for International Federation of Clinical Chemistry/Roche Diagnostic Award for Significant Advances in Critical Care Testing (Orlando, 7/05 AACC/IFCC meeting)
2005	Subcommittee Member for drafting an Implementation Guide for POCT-1A2 for Healthcare Providers, Clinical and Laboratory Standards Institute (CLSI), Area Committee for POCT
2005-2010	Subcommittee Member on Establishment of Manufacturer's Recommendations for User Quality Control of in vitro Diagnostic Devices EP22-P, Clinical and Laboratory Standards Institute (CLSI), Area Committee for Evaluation Protocols

NATIONAL/REGIONAL COMMITTEE ASSIGNMENTS: (Continued)

- 2005 International Panel for Establishment of Performance Standards for Continuous Glucose Monitors, Diabetes Technology Society
- 2006-2011 Chairholder, Area Committee on POCT, Clinical and Laboratory Standards Institute (CLSI)
- 2006-2011 Chairholder, Subcommittee on Laboratory Quality Control Based on Risk Management EP23-P, Clinical and Laboratory Standards Institute (CLSI), Area Committee for Evaluation Protocols
- 2006-2010 Subcommittee Member to revise Quality Management for Unit-Use Testing EP18-A, Clinical and Laboratory Standards Institute (CLSI), Area Committee for Evaluation Protocols.
- 2006 Subcommittee Advisor on Continuous Glucose Monitoring POCT5-P, Clinical and Laboratory Standards Institute (CLSI), Area Committee for POCT
- 2006 Executive Committee, American Board of Clinical Chemistry
- 2006 AACC CT Valley Local Section Seligson Golden Award Committee
- 2006-2010 Department of Health and Human Services (DHHS)/Centers for Disease Control (CDC) Clinical Laboratory Improvement Advisory Committee (CLIAC)
- 2007-2019 Laboratory Best Practices Workgroup Steering Committee, Centers for Disease Control (CDC)
- 2007 Education and Scientific Affairs Committee, National Academy of Clinical Biochemistry (NACB)
- 2007 Publications Committee, National Academy of Clinical Biochemistry (NACB)
- 2008-2021 Editorial Board, Lab Tests Online (U.S. version) a noncommercial patient education website on lab tests.
- 2009-2014 Editorial Board, American Society of Clinical Pathology (ASCP) Check Sample
- 2009-2012 National Institute of Biomedical Imaging and Bioengineering (NBIB) POCT Grant, External Advisory Board Review Committee, Lawrence Livermore National Laboratory/UC Davis POCT Center for Technology and Research.
- 2010 Chair, Centers for Disease Control (CDC) CLIAC Proficiency Testing Workgroup
- 2010 Nominating Committee, National Academy of Clinical Biochemistry (NACB)
- 2010-2012 Consultant, POCT Resource Committee, College of American Pathologists (CAP)
- 2011-current Co-Chairholder, Document Development Committee for Emergency and Disaster Point of Care Testing, POCT-16, Clinical and Laboratory Standards Institute (CLSI), Consensus Committee for POCT
- 2012-2015 Member, Consensus Committee for Evaluation Protocols, Clinical and Laboratory Standards Institute (CLSI)
- 2012 Vice-Chairholder, Consensus Committee on POCT, Clinical and Laboratory Standards Institute (CLSI)
- 2013-2014 Nominating Committee, American Association for Clinical Chemistry, TDM/Tox Division
- 2014-2019 Member, Instrumentation Resource Committee, College of American Pathologists (CAP)

NATIONAL/REGIONAL COMMITTEE ASSIGNMENTS: (Continued)

2014-2015	Chair, Government Relations Committee, American Association for Clinical Chemistry (AACC)
2014-2020	Board of Directors, Clinical and Laboratory Standards Institute (CLSI)
2014-2018	Member, Joint Commission, Professional and Technical Advisory Committee
2014-current	Member, POCT Task Force Working Group, Glucose Meter Evaluation in Critical Care, International Federation for Clinical Chemistry and Laboratory Medicine (IFCC)
2014-2015	Member, Process Improvement Task Force, Clinical and Laboratory Standards Institute (CLSI)
2014	Member, New Journal Task Force, American Association for Clinical Chemistry (AACC)
2014-2015	Member, Market Research Steering Committee, Clinical and Laboratory Standards Institute (CLSI)
2015-2016	Chairholder, White Paper Document Development Committee for Use of Glucose Meters in Critically Ill Patients, POCT-17, Clinical and Laboratory Standards Institute (CLSI)
2015	Member, Process Change Implementation Committee, Clinical and Laboratory Standards Institute (CLSI)
2016-2019	Member, Policy and External Affairs Core Committee, American Association for Clinical Chemistry (AACC)
2016-2019	Chairholder, Evaluation Protocols (EP) Expert Panel, Clinical and Laboratory Standards Institute (CLSI)
2016-current	Deputy Editor, Journal of Applied Laboratory Medicine (JALM), American Association for Clinical Chemistry (AACC)
2017-2018	Member, National Academies of Sciences, Engineering and Medicine. Committee on the Return of Individual-Specific Research Results Generated in Research Laboratories.
2017	Scientific Poster Judge. 36 th Annual Vanderbilt Research Forum. April 27, 2017.
2018-2021	American Society for Clinical Laboratory Science Consumer Information Web Page Response Team.
2019-current	Member, Nominating Committee, Clinical and Laboratory Standards Institute (CLSI)
2019-current	Member, Committee on Mobile Health and Bioengineering in Laboratory Medicine International Federation of Clinical Chemistry and Laboratory Medicine (IFCC)
2019-current	Chairholder, Education Advisory Committee, Clinical and Laboratory Standards Institute (CLSI)
2019-current	Point-of-Care Testing Professional Certification Board. American Association for Clinical Chemistry (AACC)
2020-current	Member, Quality Practices Committee, College of American Pathologists (CAP)
2020-current	Member, POCT Resource Committee, College of American Pathologists (CAP)
2020-current	Member, Working Group on Continuous Glucose Monitoring (CGM), International Federation of Clinical Chemistry and Laboratory Medicine (IFCC)

NATIONAL/REGIONAL COMMITTEE ASSIGNMENTS: (Continued)

- 2020 Vice-Chairholder, Evaluation Protocols (EP) Expert Panel, Clinical and Laboratory Standards Institute (CLSI)
- 2021-current Chairholder, EP23 Revision Document Development Committee, Clinical and Laboratory Standards Institute (CLSI)
- 2021-current Vice-Chairholder, Chairholder's Council, Clinical and Laboratory Standards Institute (CLSI)
- 2021-current President-Elect, Clinical and Laboratory Standards Institute (CLSI)

TRAINING OF GRADUATE STUDENTS/POST DOCTORAL

- 1993 Joseph DiGuiseppe, M.D., Resident (BMC CK/Phos Project)
Jean Henneberry, M.D., Resident (BMC CK/Phos Project)
Anita Sgrignoli, M.D., Resident (BMC CK/Phos Project)
- 1995 David Steinberg, M.D., Resident (AnSYS beta clinical evaluation of Toxi-Prep)
- 1995-1997 Lori J. Sokoll, Ph.D., Clinical Chemistry Fellow.
- 1996-1998 Dave Li, M.D., Ph.D., Clinical Chemistry Fellow.
- 1997 Danielle Pritchett, MD, Resident (β hCG POCT device evaluation)
Mark Silberman, MD, Resident (SenDx100 portable blood gas system evaluation, carbon monoxide feature article for *Therapeu Drug Monitor Toxicol*)
Joel Saltz, MD, Resident (Analyte of the month on H2 blockers for *Therapeu Drug Monitor Toxicol*)
David Brazas, M.D., Resident (Glick Interference Roche Integra)
- 1998-2000 Scott Kuzdzal, Ph.D., Clinical Chemistry Fellow
- 1998-2000 Jeffrey Chance, Ph.D., Clinical Chemistry Fellow
- 1998 Jessica Dodge, M.D., Resident (Acetaminophen Spot Test, Control and Policies)
Nancy Miller, M.D., Resident (POCT Glucose Outcomes)
Ann Smith, M.D., Resident (Sun Medical Laboratories, POCT Drugs of Abuse Test kits), Resident (Acetaminophen Spot Test)
- 1999 May Arroyo, M.D., Resident (Analyte of the month, Celecoxib *Therapeu Drug Monitor Toxicol*)
Magdalena Czader, M.D., Resident. (Urine Microalbumin POCT validation)
Michael Dardick, M.D., Resident. (FemExam QA Policies and Procedures)
Alexander Truskinovsky, M.D., Resident. (Analyte of the month, Lyme disease and rotavirus vaccines *Therapeu Drug Monitor Toxicol*)
Keith Volmer, M.D., Resident (Dade-Behring POCT Tricyclics test evaluation)
Monica Srodon, M.D., Resident (Analyte of the Month *Therapeu Drug Monitor Toxicol*)
- 2000 Milena Vuica, M.D., Resident. (Phenothiazines feature article *Therapeu Drug Monitor Toxicol*)
Benjamin C. Silverman, Undergraduate (Operational errors lead to inaccurate glucose values *Diabetes Care*)
Orin Buetens, M.D., Resident. (Evidence-Based Medicine article *Therapeu Drug Monitor Toxicol*)
William Clarke, Ph.D., Clinical Chemistry Fellow.
Alex Rai, Ph.D., Clinical Chemistry Fellow

TRAINING OF GRADUATE STUDENTS/POST DOCTORAL (Continued)

- 2001 Rania Seliem, M.D., Resident (Herbal Tea Cocaine cross-reactivity)
- 2002 Kelly Hickey, M.D., Resident (Herbal Tea Cocaine cross-reactivity)
Tim Lacy, M.D., Resident (Neuroleptic (Anti-Psychotic) Drugs Chapter in 2nd edition Principles of Forensic Toxicology)
- 2003 Margaret Assaad, M.D., Resident (ITC HemoglobinPro evaluation)
Sadiqua Karim, M.D., Resident (Methadone Monitoring Literature Review)
Heike Varnholt, M.D., Resident (NACB Systematic Review of POCT pH)
- 2004 Hassan Ghaffar, M.D., Resident (i-Stat Creatinine validation)
- 2005 Reva Ricketts, D.O., Resident (HemoQuant Occult Blood Test Validation)
Long Jin, M.D., Resident (Roche hsCRP (Latex) Integra MultiSite Evaluation, i-Stat vs IRMA creatinine evaluation)
Arianna Bonzagi, Undergraduate Student (i-Stat vs IRMA creatinine evaluation)
Darius Arabadjief, M.D., Resident (Review Article on Assessing Glucose Meter Accuracy)
- 2006 Aparna Rajadhyaksha, M.D. (ASCP Check Sample on Preanalytic Issues with Line Draws, HemoCue 201 room temperature glucose cuvette validation, Epocal EPOC system FDA 510K evaluation of blood gases/electrolytes)
Sandra Camelo-Piragua, M.D. (ASCP Check Sample on Preanalytic Issues with Line Draws, Develop CP call schedule)
Sadiqa Karim, M.D. (Develop CP call, i-Stat Lactate Evaluation, Validation of the UriSys 1100 analyzer, Radiometer ABL80 Challenge Protocol)
- 2007 Melissa Arabadjief, M.D. (ABL80 Challenge Protocol, Afinion HgbA1c evaluation)
Michael Zur, M.D. (Stat-Site M β -hydroxybutyrate ketone test evaluation)
- 2008 Patrick O'Donnell, D.O. (β -hydroxybutyrate ketone White Paper and AACC Industry Workshop Presentation)
Rishita Tiwari, M.D. (Endocrine Fellow, Westfield Middle School Science Overnight on Diabetes and Glucose Monitoring)
Monica Hollowell, M.D. (ASCP Lab-Q Program on POCT for hemoglobin and TDM Neuroleptic Chapter for Levine, B editor, Principles of Forensic Toxicology)
Claudine Habib, M.D. (TDM Neuroleptic Chapter for Levine, B, editor, Principles of Forensic Toxicology)
- 2009 Christopher Chapman, M.D. (ASCP Check Sample – Hgb A1c and Estimated Average Glucose)
Namrata Setia, M.D. (Preanalytical Variation in Clinical Laboratory Testing Chapter for Encyclopedia of Analytical Chemistry)
Olga Chajewski, M.D. (The Importance of Testing for Pre-Diabetes: Choosing the Right Tool for US Endocrinology Vol 5)

TRAINING OF GRADUATE STUDENTS/POST DOCTORAL (Continued)

- 2010 Michael Kuperman, M.D. (QI projects and Westfield Science Overnight)
Amal Fadaili, M.D. (J Diabetes Science and Technology article on Blood Glucose Testing in the Hospital for 1st Annual Hospital Clinical Diabetes Meeting)
Chelsea Gordner, D.O., Pediatric Endocrine Fellow (ASCP Check Sample - Understanding Diabetic Ketoacidosis)
David Unold, M.D. (Clinical Chemistry Book Review, Synthetic Cannabinoid Immunoassay Reactivity)
- 2011 Frida Rosenblum, M.D (ASCP Check Sample - Pre-Analytic Variables: Specimen Labeling Errors)
Nick A. Carlson, Biomedical Engineering Undergraduate Western New England College (Adaptation of a Glucose Meter for Cold Weather)
- 2012 Thomas L. Wadzinski, M.D., PhD, Pediatric Endocrine Fellow (ASCP Check Sample – Glucose Testing and the Electronic Medical Record)
Peter Saunders, M.D. (Sources of Error in Point of Care Testing)
Rebecca A Levy, M.D., (Review Article, Case Studies on Ketosis and the Clinical Utility of β -hydroxybutyrate)
- 2013-2015 Sarah Njoroge, Ph.D. (Book Chapter – Kost GJ POCT in Disasters; Clin Lab News article, Risk management: Preventing POCT errors, Improving compliance with guidelines through physician order sets - Abstract winner AACC Management Sciences and Patient Safety Division 2015)
- 2015-2017 Joseph Wiencek, Ph.D. (POCT review article, Book Chapter – Rapid testing for drugs of abuse, CO₂ interference and Six Sigma abstracts, Clinical Utility of Aldosterone/Renin Mass Ratio selected for oral presentation and won honorable mention, Effect of seasonal temperature on specimen stored outside in courier lock boxes – Abstract winner AACC Management Sciences and Patient Safety Division 2017)
- 2017-2019 Nicola Rutherford, Ph.D. (Laboratory Medicine Book Chapter revision, Interference of creatinine from acetone case JALM).
- 2019-2020 Nadia Ayala-Lopez, PhD (New Frontiers in POCT MedLab article, Direct-to-consumer testing Archives of Pathology and Laboratory Medicine article)
- 2020-current David Brooks, MD (Research Mentorship Committee, Evaluation of Glucose Meter Performance in the NICU)

TEACHING RESPONSIBILITIES:

University of California at San Diego, La Jolla, CA; Department of Biology

1983 Biology 1 - Undergraduate lecture, Introduction to cell biology

University of Illinois at Urbana-Champaign, Urbana, IL.; School of Chemical Sciences

1983-1984 Biochemistry 102B - Undergraduate lecture and laboratory, Introduction to organic and biochemical principles.

1985 Biochemistry 350 and 353 - Undergraduate and graduate lecture and laboratory in biochemistry for premedicine and chemistry majors.

1988-1990 Health and Safety Studies 240 - Undergraduate peer professional training program.

1990 Chemistry 101 - Undergraduate laboratory in organic and analytical chemistry.

Mayo Clinic, Rochester, MN.; Department of Laboratory Medicine

1990-1992 Analytical methods seminars for residents and fellows in Pathology and Laboratory Medicine

Johns Hopkins University, Baltimore, MD.; School of Medicine

1993 - Bedside Glucose Testing. Seminars in Clinical Pathology for residents, fellows and technologists.

- Instrument Evaluation under CLIA. Seminars in Clinical Pathology.

1994 - Near Patient Glucose Testing Alternatives. Seminars in Clinical Pathology for residents, fellows and technologists.

- Analytical Methods in Clinical Investigation, Dr. Flexner. School of Medicine course, Clinical Investigators Program.

- Advanced Clinical Skills Course. School of Medicine.

- Analytical Techniques I. Seminars in Clinical Pathology.

1995 - Analytical Methods in Clinical Investigation, Dr. Flexner. School of Medicine course, Clinical Investigators Program.

- Analytical Techniques II. Seminars in Clinical Pathology for residents, fellows and technologists.

- TDM and Toxicology: Drugs of Abuse and Emergency Treatment of Poisonings. Seminars in Clinical Pathology.

- Alternate Site Testing. Seminars in Clinical Pathology.

- Second Year Medical Student Pathology Laboratory. School of Medicine.

1996 - Analytical Methods in Clinical Investigation, Dr. Flexner. School of Medicine course, Clinical Investigators Program.

- Organized House Staff management lecture series.

- Second Year Medical Student Pathology Laboratory, Dr. Erozan's group. School of Medicine.

- Adrenal Disorders, Lab Week lecture.

- Drug Analysis, Seminars in Clinical Pathology

TEACHING RESPONSIBILITIES: (Continued)

Johns Hopkins University, Baltimore, MD.; School of Medicine (Continued)

- 1997
- Laboratory Diagnosis of Hepatic Disease, Seminars in Clinical Pathology
 - Cardiovascular Risk Assessment, Seminars in Clinical Pathology
 - Drug Analysis Methods, Analytical Methods in Clinical Investigation, Dr. Flexner. School of Medicine course, Clinical Investigators Program.
 - POCT Quality Assurance: Problem Follow-Up, Pathology Resident Rounds
 - Blood Volatiles & Drugs of Abuse: Need for Result Verification, Core Laboratory Continuing Education
- 1998
- Laboratory Diagnosis of Hepatic Disease, Seminars in Clinical Pathology
 - Point-of-Care Testing: Practical Management, Seminars in Clinical Pathology
 - Drug Analysis Methods, Analytical Methods in Clinical Investigation, Dr. Flexner. School of Medicine course, Clinical Investigators Program.
 - Method Evaluation, Seminars in Clinical Pathology
 - Laboratory Quality Control, Analytical Methods in Clinical Investigation, Dr. Flexner. School of Medicine course, Clinical Investigators Program.
- 1999
- Point-of-Care Testing, Seminars in Clinical Pathology
 - TDM/Tox Automation, Seminars in Clinical Pathology
 - Laboratory Methods: Chromatography, Atomic Absorption, Electrophoresis, Seminars in Clinical Pathology.
 - Drug Analysis Methods, Analytical Methods in Clinical Investigation, Dr. Flexner. School of Medicine course, Clinical Investigators Program.
 - Laboratory Quality Control, Analytical Methods in Clinical Investigation, Dr. Flexner. School of Medicine course, Clinical Investigators Program.
 - Method Evaluation, Seminars in Clinical Pathology
- 2000
- Reengineering the Toxicology Lab, Seminars in Clinical Pathology
 - Principles of Assay Validation, Modern Biomedical Measurements Course, Dr. Flexner. School of Medicine Continuing Education.
 - Blood Gases, Electrolytes, and Renal Function. Physiology Course, Dr. Guggino. Medical Student Teaching.
 - Drug Analysis Methods, Analytical Methods in Clinical Investigation, Dr. Flexner. School of Medicine course, Clinical Investigators Program.
 - Laboratory Quality Control, Analytical Methods in Clinical Investigation, Dr. Flexner. School of Medicine course, Clinical Investigators Program.
 - Point of Care Testing. Seminars in Clinical Pathology.

Baystate Medical Center, Springfield, MA; Department of Pathology

- 2001
- Reengineering the Toxicology Lab. Core Curriculum Lectures.
 - Method Evaluation. Core Curriculum Lectures.
 - Meconium testing for drugs of abuse: Utility, risks and current state of the art. Core Curriculum Lectures.
 - Alternative Samples for Drugs of Abuse Testing - Core Curriculum Lectures.
 - Point-of-Care Testing - Core Curriculum Lectures
 - Evidence-Based Point-of-Care Testing - Critical Care Grand Rounds - Critical Care Grand Rounds, September 13, 2001.

TEACHING RESPONSIBILITIES: (Continued)

Baystate Medical Center, Springfield, MA.; Department of Pathology (Continued)

- 2002
 - Toxicology - Core Curriculum Lectures
 - Diabetes: An Evidence-Based Approach – Core Curriculum Lectures
 - Chemistry/Lab Automation – Core Curriculum Lectures
- 2003
 - Evidence-Based Medicine – Core Curriculum Lectures
 - Pharmacology/Therapeutic Drug Monitoring – Core Curriculum Lectures
 - Laboratory Informatics – Core Curriculum Lectures
 - Clinical Pathology Journal Club
- 2004
 - CAP, JCAHO and CLIA Laboratory Accreditation Guidelines – Core Curriculum Lectures
 - Reducing Medical Errors – Core Curriculum Lectures
 - Management – Labeling Policy Revision
- 2005
 - Case Studies (POCT glucose DKA, Diabetes Tech & Therapeutics Editorial)
 - Phlebotomy and Laboratory Error Management – Core Curriculum
 - Equivalent Quality Control – Core Curriculum
 - Preanalytic Variation – Core Curriculum
- 2006
 - Survival Guide for Laboratory Statistics – Core Curriculum
 - Preparing for the Board Examination – Core Curriculum
 - Instrumentation Review I – Core Curriculum
- 2007
 - Instrumentation Review II – Core Curriculum
 - Therapeutic Drug Monitoring – Core Curriculum
 - Drugs of Abuse Testing – Core Curriculum
- 2008
 - Quality Systems Essentials (QSE) – Core Curriculum
 - Liver/Biliary Tract Chemistry Rounds
 - Acid/Base Blood Gases Chemistry Rounds
 - Laboratory Regulations Chemistry Rounds
- 2009
 - Reproduction/Pregnancy Chemistry Rounds
 - Drugs of Abuse/Clinical Toxicology Chemistry Rounds
 - Laboratory Instrumentation I – Core Curriculum
 - Laboratory Instrumentation II – Core Curriculum
 - Laboratory Instrumentation – Chemistry Rounds
 - Preanalytical Variation – Core Curriculum
- 2010
 - Laboratory Regulations – Core Curriculum
 - Statistics – Core Curriculum
 - Statistics or Laboratory Regulations - Chemistry Rounds
 - Method Validation – Core Curriculum
 - Point of Care Testing – Core Curriculum
 - Journal Club – Hgb A1c Diagnostic, Estimated Average Glucose
Non-fasting lipid panel, International Gestational Tolerance Recommendations
 - Medical Errors – Core Curriculum
 - Therapeutic Drug Monitoring – Core Curriculum

TEACHING RESPONSIBILITIES: (Continued)

Baystate Medical Center, Springfield, MA.; Department of Pathology (Continued)

- 2011
- Clinical Toxicology – Core Curriculum
 - Thyroid Function – Chemistry Rounds
 - Cardiac Biomarkers – Core Curriculum
 - Intra-operative PTH – Core Curriculum
 - New Method Implementation – Core Curriculum
 - Statistics – Core Curriculum
 - Laboratory Methodologies
- 2012
- Protein Electrophoresis – Core Curriculum
 - PSA Standardization – Core Curriculum
 - Lamellar Bodies and Maternal Screening – Core Curriculum
 - CLIA and the Clinical Laboratory – Resident CP Didactic Conference
 - The Liver – Resident CP Didactic Conference

Vanderbilt University School of Medicine, Nashville, TN: Department of Pathology, Microbiology and Immunology

- 2013
- Glucose and Diabetes – Resident CP Didactic Conference
 - CLSI EP23A; Laboratory QC based on Risk Management – MLS program
 - The Liver – MLS program
 - Sonographic and laboratory diagnosis of pregnancy associated disorders – 2nd year medical students
 - Clinical Pathology Cases – mentor medical student case group presentations
 - Point-of-Care Testing – MLS program
 - Quality Control review – MT staff
 - Kidneys and Electrolytes – Resident CP Didactic Conference
 - Therapeutic Drug Monitoring and Pharmacokinetics – MLS program
 - Clinical Toxicology and Drugs of Abuse Testing – MLS program
 - Diabetes – MLS program
- 2014
- Laboratory Instrumentation and Quality Control – Resident Board Review
 - Microfluidics - Fox and Hedgehog Conference
 - Laboratory Bootcamp – Tours and POC Exercises – 1st Yr Medical School (Dr. Laposata Instructor)
 - Clinical Toxicology and Drugs of Abuse Testing – MLS program
 - Point-of-Care Testing – MLS program
 - Laboratory Bootcamp – Tours and POC Exercises – Medical School Hybrid 2.0 Diagnostics and Therapeutics Course (Dr. C. Rauch Instructor)
 - Laboratory Considerations in Drug Testing and Evaluation of the Intoxicated Patient – Medical School Hybrid 2.0 Diagnostics and Therapeutics Course (Dr. C. Rauch Instructor)
 - Preanalytic Variation in Laboratory Testing - Medical School Hybrid 2.0 Diagnostics and Therapeutics Course (Dr. C. Rauch Instructor)
 - Laboratory Instrumentation – Resident CP Didactic Conference
 - Method Validation – Resident CP Didactic Conference
 - Diabetes – Resident CP Didactic Conference

TEACHING RESPONSIBILITIES: (Continued)

Vanderbilt University School of Medicine, Nashville, TN: Department of Pathology, Microbiology and Immunology (Continued)

- 2014
- Therapeutic Drug Monitoring and Clinical Toxicology – Resident CP Didactic Conference
 - Psychiatry Clerkship, Diagnostics and Therapeutics, Vanderbilt Medical School
- 2015
- Quality in the Laboratory, Laboratory Explorer’s High School Career Program
 - Clinical Chemistry Instrumentation and Methodologies– Resident Board Review
 - Psychiatry Clerkship, Diagnostics and Therapeutics, Vanderbilt Medical School
 - Point-of-Care Testing – Fundamentals of Laboratory, Business & Human Resource Management Resident Curriculum (Drs Eichbaum, Stratton & Hoffman Faculty Directors)
 - Pre-Analytical Variation – Fundamentals of Laboratory, Business & Human Resource Management Resident Curriculum (Drs Eichbaum, Stratton & Hoffman Faculty Directors)
 - Glucose Meter Policy Changes Roche Inform II (Use of glucose meters in critically ill patient) – Clinical Practice Committee and Institutional Critical Care Committee
 - CLIA and the Clinical Laboratory – MLS Program
 - Glucose and Diabetes – MLS Program
 - Clinical Chemistry Instrumentation and Methodologies – MLS Program
 - Chemistry Testing – Vanderbilt Medical School Diagnostics and Therapeutics Course (Dr. C. Rauch Instructor)
 - POCT Exercises – Vanderbilt Medical School Diagnostics and Therapeutics Course (Dr. C. Rauch Instructor)
 - A Survival Guide to Laboratory Statistics – MLS Program
 - The Kidney – Resident CP Didactic Conference
 - Reducing Risk in the Laboratory: Individualized Quality Control Plans (IQCP) – Laboratory supervisors and staff CE Conference
 - Therapeutic Drug Monitoring (TDM) and Pharmacokinetics Overview – MLS Program
 - Volatiles – MLS Program
 - Serum Proteins – Resident CP Didactic Conference
 - Toxicology: Is my Patient Drugged? Drugs of Abuse Testing, Pain Management and Fooling Drug Tests – Resident CP Didactic Conference
- 2016
- Psychiatry Clerkship, Diagnostics and Therapeutics, Vanderbilt Medical School
 - Hot Topics in Laboratory Regulations – FDA and LDTs, CMS and CLIA updates; Major Congressional Bills – Fundamentals of Laboratory, Business & Human Resource Management Resident Curriculum (Drs Eichbaum, Stratton & Hoffman Faculty Directors)
 - Preanalytical Variation – Fundamentals of Laboratory, Business & Human Resource Management Resident Curriculum (Drs Eichbaum, Stratton & Hoffman Faculty Directors)
 - The Kidney – MLS Program

TEACHING RESPONSIBILITIES: (Continued)

**Vanderbilt University School of Medicine, Nashville, TN: Department of Pathology,
Microbiology and Immunology (Continued)**

- 2016
- Renal Function Tests – MLS Program
 - Point-of-care Testing – MLS Program
 - Chemistry Testing – Vanderbilt Medical School Diagnostics and Therapeutics Course (Dr. C. Rauch Instructor)
 - POCT Exercises – Vanderbilt Medical School Diagnostics and Therapeutics Course (Dr. C. Rauch Instructor)
 - Lipids, Carbs and Diabetes – Resident CP Didactic Conference
 - Serum Proteins – Resident CP Didactic Conference
 - Quality Control – Resident CP Didactic Conference
 - Renal Function – Resident CP Didactic Conference
- 2017
- Clinical Chemistry Diagnostic Management Teams – Department DMT review
 - Psychiatry Clerkship, Diagnostics and Therapeutics, Vanderbilt Medical School
 - Laboratory Regulations Update – Fundamentals of Laboratory, Business & Human Resource Management Resident Curriculum (Drs Eichbaum, Stratton & Hoffman Faculty Directors)
 - Evolving Role of Point-of-Care Testing in Healthcare – Fundamentals of Laboratory, Business & Human Resource Management Resident Curriculum (Drs Eichbaum, Stratton & Hoffman Faculty Directors)
 - Introduction to the Kidneys – MLS Program
 - Non-protein Nitrogens – MLS Program
 - Point-of-care Testing – MLS Program
 - Volatiles – MLS Program
 - Who Drugged the Baby? Managing Neonatal Abstinence Syndrome – Resident CP Didactic Conference
 - The Value of Interlaboratory Comparison Programs: EQA and IQC – Chemistry Rounds
 - Cooking Meth and Doctor Shopping: The Challenges of Prescription Therapeutics – Resident CP Didactic Conference
 - Quality and Variability in the Laboratory – Vanderbilt Medical School Diagnostics and Therapeutics Course (Dr. C. Rauch Instructor)
 - POCT Exercises – Vanderbilt Medical School Diagnostics and Therapeutics Course (Dr. C. Rauch Instructor)
 - Analytical methods – MLS Program
 - Laboratory Math and Statistics – MLS Program
 - Diabetes – MLS Program
 - Preanalytical Variation. Methodologies - Resident CP Didactic Conference
 - Clinical Chemistry Instrumentation and Methodologies - Resident CP Didactic Conference
 - Board Review Questions - Resident CP Didactic Conference
 - Survival Guide to Laboratory Statistics – Resident CP Didactic Conference
 - Method Validation vs Verification – Resident CP Didactic Conference

TEACHING RESPONSIBILITIES: (Continued)

**Vanderbilt University School of Medicine, Nashville, TN: Department of Pathology,
Microbiology and Immunology (Continued)**

- 2018
- Psychiatry Clerkship, Diagnostics and Therapeutics, Vanderbilt Medical School
 - Cooking Meth and Doctor Shopping: The Challenges of Prescription Therapeutics – Resident CP Didactic Conference
 - Research, Laboratory Testing and Federal Regulations: A Resident’s Update on Research to Keep You Out of Hotwater! – Fundamentals of Laboratory, Business & Human Resource Management Resident Curriculum (Drs Eichbaum, Stratton & Hoffman Faculty Directors)
 - Disruptive Technologies: Alternative Sample Collection – Beyond Venous Phlebotomy – Fundamentals of Laboratory, Business & Human Resource Management Resident Curriculum (Drs Eichbaum, Stratton & Hoffman Faculty Directors)
 - Introduction to the Kidneys – MLS Program
 - Non-protein Nitrogens and Renal Tests – MLS Program
 - Point-of-Care Testing – MLS Program
 - Survival Guide to Laboratory Statistics – MLS Program
 - Quality and Variability in the Laboratory – Medical School Diagnostics and Therapeutics Course (Dr. C. Rauch Instructor)
 - POCT Exercises - Medical School Diagnostics and Therapeutics Course (Dr. C. Rauch Instructor)
 - Volatiles – MLS Program
 - Clinical Chemistry and Laboratory Automation – Pathobiology Course
 - Clinical Chemistry Instrumentation and Methodologies – MLS Program
 - Glucose and Diabetes – MLS Program
 - Clinical Chemistry Instrumentation and Methodologies – Resident CP Didactic Conference
- 2019
- Psychiatry Clerkship, Diagnostics and Therapeutics, Vanderbilt Medical School
 - Laboratory Math and Statistics – Resident CP Didactic Conference
 - The Kidney: Renal Tests – Resident CP Didactic Conference
 - Introduction to the Kidneys – MLS Program
 - Non-protein Nitrogens and Renal Tests – MLS Program
 - Point-of-Care Testing – MLS Program
 - Pediatric Clinical Chemistry – Resident CP Didactic Conference
 - Clinical Chemistry Instrumentation and Methodologies – MLS Program
 - Volatiles – MLS Program
 - Therapeutic Drug Monitoring (TDM) and Pharmacokinetics Overview – MLS Program
 - A Survival Guide to Laboratory Statistics – MLS Program
 - Glucose and Diabetes – MLS Program

TEACHING RESPONSIBILITIES: (Continued)

**Vanderbilt University School of Medicine, Nashville, TN: Department of Pathology,
Microbiology and Immunology (Continued)**

- 2019
- Statistical Quality Control – Fundamentals of Laboratory, Business & Human Resource Management Resident Curriculum (Drs Eichbaum, Stratton & Hoffman Faculty Directors)
 - Quality and Variability in the Laboratory – Vanderbilt Medical School Diagnostics and Therapeutics Course (Dr. Emily F. Mason Instructor)
- 2020
- Psychiatry Clerkship, Diagnostics and Therapeutics, Vanderbilt Medical School
 - Cardiac Markers – Resident CP Didactic Conference
 - The Kidney: Renal Tests – Resident CP Didactic Conference
 - Statistical Quality Control – Fundamentals of Laboratory, Business & Human Resource Management Resident Curriculum (Drs Eichbaum, Stratton & Hoffman Faculty Directors)
 - Quality and Variability in the Laboratory – Vanderbilt Medical School Diagnostics and Therapeutics Course (Dr. Emily F. Mason Instructor)
 - POCT Exercises – Vanderbilt Medical School Diagnostics and Therapeutics Course (Dr. Emily F. Mason Instructor)
- 2021
- Psychiatry Clerkship, Diagnostics and Therapeutics, Vanderbilt Medical School
 - POCT Exercises – Vanderbilt Medical School Diagnostics and Therapeutics Course (Dr. Emily F. Mason Instructor)
 - Risk management for point-of-care testing – Resident CP Didactic Conference
 - Point-of-Care Testing – MLS Program
 - Glucose and Diabetes – MLS Program
 - Introduction to the Kidneys – MLS Program
 - The Kidney: Renal Tests – MLS Program
 - Clinical Chemistry Instrumentation and Methodologies – MLS Program
 - A Survival Guide to Laboratory Statistics – MLS Program
 - Hemoglobin – MLS Program
 - Drugs of Abuse Testing – MLS Program
 - Volatiles – MLS Program
 - Therapeutic Drug Monitoring (TDM) and Pharmacokinetics Overview – MLS Program
- 2022
- Pediatric Clinical Chemistry – Resident CP Didactic Conference
 - Psychiatry Clerkship, Diagnostics and Therapeutics, Vanderbilt Medical School
 - Is my patient drugged? Drugs of abuse testing, pain management and fooling drug tests - Resident CP Didactic Conference.

CME Instruction:

- 1994 Nichols JH. Decentralized glucose testing: Experience from a large academic institution. Roundtable Presentation (#4046 and 5046), 46th Annual Meeting & Clinical Laboratory Exposition, American Association for Clinical Chemistry. 1994.
- 1995 Nichols JH. Toxicology and emergency medicine. Osler Institute, Internal Medicine Review Course, Annapolis, MD. April 8, 1995.
Nichols JH. Decentralized glucose testing: Experience from a large academic institution. Roundtable Presentation (#4119 and 5119), 47th Annual Meeting & Clinical Laboratory Exposition, American Association for Clinical Chemistry, 1995.
Nichols JH. Bedside testing: Implementation/managing a nursing team. Point-of-Care Testing Conference, Mayo Medical Laboratories Continuing Medical Education Series. Stone Mountain, GA. December 2-3, 1995.
- 1996 Nichols JH. Toxicology and emergency medicine. Osler Institute, Internal Medicine Review Course, College Park, MD. June 30, 1996.
Santrach PJ and Nichols JH. Point-of-care testing: Strengths, weaknesses, opportunities and practical management. Workshop Presentation (#2311), 48th Annual Meeting & Clinical Laboratory Exposition, American Association for Clinical Chemistry. 1996.
Nichols JH. Quality assurance of point-of-care testing: From glucose to dipsticks. Roundtable Presentation (# 4514 and 5514), 48th Annual Meeting & Clinical Laboratory Exposition, American Association for Clinical Chemistry. 1996.
Nichols JH. Bedside testing: Implementation/managing a nursing team. Point-of-Care Testing Conference, Mayo Medical Laboratories Continuing Medical Education Series. Boston, MS. August 16-18, 1996.
Nichols JH. Managing hospital point-of-care testing. Workshop Presentation. ClinChem '96, Stamford, CT. October 15-18, 1996.
- 1997 Nichols JH. Bedside testing: Implementation/managing a nursing team. Point-of-Care Testing Conference, Mayo Medical Laboratories Continuing Medical Education Series. Baltimore, MD. March 7-8, 1997.
Nichols JH. Toxicology and emergency medicine. Osler Institute, Internal Medicine Review Course, Baltimore, MD. June 8, 1997.
Nichols JH. Hyperlipidemias. Osler Institute, Internal Medicine Review Course, Baltimore, MD June 10, 1997.
Santrach PJ, Jacobs E and Nichols JH. Point-of-care testing: Strengths, weaknesses, opportunities, and practical management. Workshop Presentation (#2309), 49th Annual Meeting & Clinical Laboratory Exposition, American Association for Clinical Chemistry. 1997.
Nichols JH. Establishing a point-of-care testing system in a hospital. COMACC Workshop: Management Topics for Laboratory Directors. 49th Annual Meeting & Clinical Laboratory Exposition, American Association for Clinical Chemistry. 1997.

CME Instruction: (Continued)

- 1997 Nichols JH. Quality assurance of point-of-care testing: From glucose to dipsticks. Roundtable Presentation (# 4215 and 5215), 49th Annual Meeting & Clinical Laboratory Exposition, American Association for Clinical Chemistry. 1997.
- Nichols JH. Bedside testing: Implementation/managing a nursing team. Point-of-Care Testing Conference, Mayo Medical Laboratories Continuing Medical Education Series, Memphis, TN. December 4-5, 1997.
- 1998 Nichols, JH. Managing Hospital POCT: From Glucose to Dipsticks. Roundtable, Contemporary Issues in Point-of-Care Testing, combined meeting of the Texas and Southeastern Sections of the American Association for Clinical Chemistry, Shreveport, LA. April 30 - May 1, 1998.
- Santrach PJ, Jacobs E and Nichols JH. Point-of-care testing: Strengths, weaknesses, opportunities, and practical management. Workshop Presentation, 50th Annual Meeting & Clinical Laboratory Exposition, American Association for Clinical Chemistry.
- Nichols JH. Practical management of point-of-care testing. Roundtable Presentation (# 4420 and 5420), 50th Annual Meeting & Clinical Laboratory Exposition, American Association for Clinical Chemistry. 1998.
- Nichols JH. The practical management of near-patient testing. Emergency Cardiology Seminar, Dade-Behring, Inc., Louisville, KY. August 13, 1998.
- Nichols JH. The practical management of near-patient testing. Emergency Cardiology Seminar, Dade-Behring, Inc., Baltimore, MD. August 25, 1998.
- Nichols JH. The laboratory's role in point-of-care testing. Critical Issues in Laboratory Medicine, Johns Hopkins University School of Medicine Continuing Medical Education. Baltimore, MD. October 2-3, 1998.
- Nichols JH. Bedside testing: Management and data handling for a nursing team. Point-of-Care Testing Conference, Mayo Medical Laboratories Continuing Medical Education Series, Rochester, MN. October 8-9, 1998.
- Nichols JH. Current issues in point-of-care testing. Joint Meeting AACC Capital Section and the CLMA Baltimore and Washington D.C. Chapters. November 12, 1998.
- 1999 Nichols, JH. Point-of-care testing. Professional Practice in Clinical Chemistry: A Review. American Association for Clinical Chemistry CME Course. April 20, 1999.
- Nichols, JH. Point-of-Care testing for drugs of abuse. Live Teleconference. Dade Behring Continuing Education Series. May 4, 1999.
- Nichols, JH. Information management for point-of-care testing. Critical Issues in Laboratory Medicine, Johns Hopkins University School of Medicine Continuing Medical Education. Baltimore, MD. May 5-6, 1999.
- Chanmugam A, Nichols JH. Injury treatment and disease management - New trends. Live Internet Teleconference. National Air and Space Administration Seminar Series, Health Surveillance/Maintenance in the Workplace. Washington D.C. June 7, 1999.

CME Instruction: (Continued)

- 1999 Nichols JH. Practical management of point-of-care testing. Roundtable Presentation (# 4219 and 5219), 51st Annual Meeting & Clinical Laboratory Exposition, American Association for Clinical Chemistry. 1999.
- Santrach PJ, Jacobs E and Nichols JH. Point-of-care testing: Strengths, weaknesses, opportunities, and practical management. Workshop Presentation, 51st Annual Meeting & Clinical Laboratory Exposition, American Association for Clinical Chemistry. 1999.
- Nichols JH. Point-of-care testing: Is faster really better? Pathology Grand Rounds. Johns Hopkins Medical Institutions, July 15, 1999.
- Jacobs E, Nichols J. Point-of-care testing: Strengths, weaknesses, opportunities, and practical management. Workshop Presentation, Northeast Regional Joint Fall Conference of the American Society for Clinical Laboratory Scientists, Clinical Laboratory Management Association and American Medical Technologists, Oct 20, 1999.
- 2000 Nichols JH. Clinical drug analysis at Johns Hopkins. Johns Hopkins Singapore Continuing Education. January 25, 2000.
- Nichols JH. Practical management of point-of-care testing. Roundtable Presentation (# 4319 and 5319), 52nd Annual Meeting & Clinical Laboratory Exposition, American Association for Clinical Chemistry. 2000.
- Nichols JH. Using the internet to manage POC instruments. Expert Access Internet Conference Lab.com 2000 (<http://www.aacc.org>).
- Nichols JH. Automating the drug analysis laboratory. Ft. Meade, Army Forensic Drug Testing Laboratory, August 25, 2000.
- Nichols JH. Point of care testing in an integrated health system. Visiting Professor, Baystate Medical Center, September 11, 2000.
- 2001 Apple FS, Nichols JH. Advanced testing technologies: Troponin, high sensitivity C-reactive protein (hs-CRP) and intraoperative parathyroid hormone testing. Medical Education Group teleconference. March 20, 27 and 28, 2001.
- Nichols JH. Method evaluation. Professional Practice in Clinical Chemistry: A Review. American Association for Clinical Chemistry CME Course. May 2, 2001.
- Nichols JH. Practical management of point-of-care testing. Roundtable Presentation (# 4418 and 5418), 53rd Annual Meeting and Clinical Laboratory Exposition, American Association for Clinical Chemistry. 2001.
- Santrach, PJ, Jacobs E, Nichols JH. Hot topics in point-of-care. Workshop Presentation, Evidence based medicine and POCT, 53rd Annual Meeting and Clinical Laboratory Exposition, American Association for Clinical Chemistry, 2001.

CME Instruction: (Continued)

- 2002 Nichols, JH, Laposata M. Evidence based medicine in POCT. 7th Annual American Association for Clinical Chemistry Audioconference Series. Managing your Point of Care Testing Program for Success, January 23, 2002.
- Nichols JH. POCT data management and connectivity. 9th Annual Progress in Clinical Pathology, University of Texas Southwestern Medical Center, Dallas, TX. April 11-13, 2002.
- Nichols JH. Evidence-based practice for POCT. 9th Annual Progress in Clinical Pathology, University of Texas Southwestern Medical Center, Dallas, TX. April 11-13, 2002.
- Nichols JH. Evidence-based practice for point-of-care testing. Breakout Session. Clinical Laboratory Management Association/American Society of Clinical Pathologists. Annual Conference, New Orleans, LA. June 29, 2002.
- Santrach PJ, Anderson M, Nichols JH. Hot topics in point-of-care. Workshop presentation, Evidence based medicine and POCT, 54th Annual Meeting and Clinical Laboratory Exposition, American Association for Clinical Chemistry, 2002.
- Nichols JH. Evidence based practice for POCT. Roundtable Presentation, 54th Annual Meeting and Clinical Laboratory Exposition, American Association for Clinical Chemistry, 2002.
- Nichols JH. The solutions to improving quality that really works: Point-of-care testing. Audioconference Presentation, Your Quality Improvement Plan: Making it More than a Paper Exercise. American Association for Clinical Chemistry, November 20, 2002.
- 2003 McKenna-Clark T, Nichols JH. Overview of March of Dimes Prematurity Campaign & fetal fibronectin testing for preterm delivery. Adeza Biomedical Industry Solutions Track Session #526. Clinical Laboratory Management Association/ American Society of Clinical Pathologists Annual Conference, Salt Lake City, UT. June 22, 2003.
- Nichols JH. Laboratory informatics. Breakout Session #362. Laboratory Informatics. Clinical Laboratory Management Association/American Society of Clinical Pathologists Annual Conference, Salt Lake City, UT. June 22, 2003.
- Nichols JH. Evidence-based medicine – The laboratory’s role. Breakout Session #380. Clinical Laboratory Management Association/ American Society of Clinical Pathologists Annual Conference, Salt Lake City, UT. June 22, 2003.
- Santrach PJ, Nichols JH, Bush MB. Hot topics in point-of-care testing. Workshop presentation #2215, 55th Annual Meeting and Clinical Laboratory Exposition, American Association for Clinical Chemistry July 21, 2003.
- Bush V, Green SF, Nichols JH. Managing preanalytical variability. Workshop presentation #2110, 55th Annual Meeting and Clinical Laboratory Exposition, American Association for Clinical Chemistry July 20, 2003.
- Barglowski M, Nichols JH. An integrated health system perspective. Audioconference Presentations, Top 10 Tips for Managing Your POCT Program. American Association for Clinical Chemistry, September 17, 2003.

CME Instruction: (Continued)

- 2003 Nichols JH. Bedside glucose testing: The challenges at home and in the hospital. Fleury Laboratories, São Paulo, Brazil, September 23, 2003.
Nichols JH. Evidence-based medicine and reduction of errors in point of care testing. Tufts University School of Medicine, Boston, MA, November 4, 2003.
Nichols JH. Operation aspects of point of care testing. Tufts University School of Medicine, Boston, MA, November 4, 2003.
- 2004 Nichols JH. Evidence-based medicine: The laboratory's role. Breakout Session #514. Clinical Laboratory Management Association/American Society of Clinical Pathologists Annual Conference, Atlanta, GA. March 29, 2004.
Nichols JH. Evidence-based medicine: The laboratory's role. Audioconference broadcast live from the Clinical Laboratory Management Association/American Society of Clinical Pathologists Annual Conference, Atlanta, GA. March 29, 2004.
Nichols JH. Evidence-Based Medicine: The Use of Peer Literature to Improve Patient Outcome. Teleconference Network of Texas, The University of Texas Health Science Center at San Antonio. May 4, 2004.
Nichols JH. Strategies to reduce medical errors. Teleconference Network of Texas, The University of Texas Health Science Center at San Antonio. July 6, 2004.
Santrach PJ, Nichols JH. Hot topics in point-of-care testing. Workshop presentation #2211, 56th Annual Meeting and Clinical Laboratory Exposition, American Association for Clinical Chemistry July 25, 2004.
Nichols JH. POCT Program Accreditation: Should I choose CAP or JCAHO? Roundtable Presentation (#5422). 56th Annual Meeting and Clinical Laboratory Exposition, American Association for Clinical Chemistry, July 28, 2004.
Lewandrowski KB, Nichols JH. Changing the standard of care in POC glucose testing. Industry Workshop, Abbott Diagnostics, Los Angeles, July 29, 2004.
Nichols JH. Preterm labor and fetal fibronectin testing. Teleconference Network of Texas, The University of Texas Health Science Center at San Antonio. December 7, 2004.
- 2005 Nichols JH. Intraoperative parathyroid hormone (PTH) testing. Teleconference Network of Texas, The University of Texas Health Science Center at San Antonio. January 4, 2005.
Nichols JH. Point of care testing: Is faster really better? Franklin Medical Center Medicine Grand Rounds, Greenfield, MA. January 6, 2005.
Nichols JH, Rossi A, Bennett M. Overview of pediatric POCT. Audioconference, Pediatric & neonatal POCT: Outcomes and opportunities. American Association for Clinical Chemistry, January 19, 2005.
Nichols JH. Therapeutic drug monitoring: Peaks and troughs. Baystate Reference Laboratory Phlebotomists, Holyoke, MA, January 21, 2005
Nichols JH. Improving laboratory efficiency through automation. Clinical Diagnostics Symposium presented by Roche Diagnostics, Atlanta, GA. January 25, 2005.

CME Instruction: (Continued)

- 2005 Nichols, JH. Therapeutic drug monitoring: Peaks and troughs. Heritage Hall East and Willimansett Nursing Home Phlebotomists. Agawam and Chicopee, MA. March 1, 2005.
- Nichols, JH. Top 10 tips for managing your POCT program. Expert Access Internet Conference, American Association for Clinical Chemistry, May 4, 2005.
- Nichols JH. Implementing practice guidelines. Teleconference Network of Texas, The University of Texas Health Science Center at San Antonio. July 5, 2005.
- Santrach PJ, Nichols JH. Hot topics in point-of-care testing. Workshop presentation #2411, XIX International Congress of Clinical Chemistry/57th Annual Meeting and Clinical Laboratory Exposition. American Association for Clinical Chemistry. July 27, 2005.
- Nichols JH. Laboratory informatics: Using automation to improve patient care. Teleconference Network of Texas, The University of Texas Health Science Center at San Antonio. September 6, 2005.
- Nichols JH. Therapeutic drug monitoring: Peaks and troughs. Jewish Nursing Home, East Longmeadow, August 11, 2005.
- Nichols JH. Improving laboratory efficiency through automation. Clinical Diagnostics Symposium presented by Roche Diagnostics, Los Angeles, CA. October 12, 2005.
- 2006 Nichols JH. Equivalent quality control for POCT devices. Teleconference Network of Texas. The University of Texas Health Science Center at San Antonio. March 7, 2006.
- Nichols JH. Laboratory acceptance of the ABL80FLEX automatic quality system. NJ POCT Coordinator's Meeting. Edison, NJ. March 23, 2006.
- Sherman L, Nichols JH. Critical results communication – Addressing a high-risk exposure and a JCAHO mandate. Web-based Teleconference, Premier Insurance Management Services, Inc. March 29, 2006.
- Nichols JH. Drugs of abuse testing. Sloan Clinic Outpatient Substance Abuse, Springfield, MA. May 3, 2006.
- Nichols JH. Improving laboratory efficiency through automation. Clinical Diagnostics Symposium presented by Roche Diagnostics, Minneapolis, MN. June 13, 2006.
- Nichols JH. Evidence-based practice for POCT: A National Academy of Clinical Biochemistry Laboratory Medicine Practice Guideline. Abbott/i-Stat Medical Advisory Board Meeting, Chicago, IL. June 20, 2006.
- Jaciow D, Nichols JH. Changing landscape in point-of-care testing: Key challenges & opportunities for labs. IOMA/Washington G-2 Reports Audioconference, June 21, 2006.
- Nichols JH. Assessing cardiac risk with laboratory biomarkers. Clinical Diagnostics Symposium presented by Roche Diagnostics, Atlanta, GA. July 13, 2006.
- Campbell S, Nichols JH, Santrach P. Hot topics in point-of-care testing. Interactive Workshop: AACC University presentation. 58th Annual Meeting and Clinical Laboratory Exposition. American Association for Clinical Chemistry. July 23, 2006.

CME Instruction: (Continued)

- 2006 Nichols JH. Improving laboratory efficiency through automation. Clinical Diagnostics Symposium presented by Roche Diagnostics, Cleveland, OH. October 24, 2006.
Nichols JH. Laboratory automation. Teleconference Network of Texas. The University of Texas Health Science Center at San Antonio. December 5, 2006.
- 2007 Howanitz PJ, Nichols JH. Are your point-of-care personnel competent? Clinical Laboratory Management Association ThinkLab '07 Conference and Exhibition. Houston, TX. March 26, 2007.
- Cooper WG, Nichols J. Manufacturer validation and laboratory utilization of QC protocols: An EP22 and EP23 update. Clinical Laboratory Standards Institute Leadership Conference Workshop on Tackling the Challenge: Practical Approaches to Evaluate Analytical Performance. Baltimore, MD. April 20, 2007.
- Carey RN, Nichols JH, Yost JA, Kallner A. Streamlining laboratory compliance using CLSI evaluation protocol documents. Breakout Session for Laboratory Professionals Clinical Laboratory Standards Institute Leadership Conference Workshop on Tackling the Challenge: Practical Approaches to Evaluate Analytical Performance. Baltimore, MD. April 20, 2007.
- Nichols JH. Point of care testing. American Association for Clinical Chemistry, Professional practice in clinical chemistry: A review and update. Washington, DC. April 24, 2007.
- Nichols JH. Reducing medical errors. American Association for Clinical Chemistry, Professional practice in clinical chemistry: A review and update. Washington, DC. April 24, 2007.
- Nichols JH. Point of care testing data management. American Association for Clinical Chemistry and Clinical Laboratory Management Association San Diego Section Meeting. La Jolla, CA. May 16, 2007.
- Nichols JH. Drugs of abuse. Teleconference Network of Texas. The University of Texas Health Science Center at San Antonio. July 3, 2007.
- Campbell S, Nichols JH, Santrach P. Hot topics in point-of-care testing. Interactive Workshop: AACC University presentation. 59th Annual Meeting and Clinical Laboratory Exposition. American Association for Clinical Chemistry July 2007.
- Howanitz P, Santrach P, Nichols JH. Point-of-care testing: A tale of three institutions. Workshop. College of American Pathologists CAP '07 Meeting. Chicago, IL. October 1, 2007.
- Nichols JH. Point of care testing. New Orleans Medical Technologists. New Orleans, LA. November 30, 2007.
- Nichols JH. Laboratory statistics. Teleconference Network of Texas. The University of Texas Health Science Center at San Antonio. December 4, 2007.
- Nichols JH, Cooper WG, Yost J. New developments in alternative QC. American Association for Clinical Chemistry Audioconference. December 6, 2007.
- Nichols JH. Point of care testing quality management. Chinese Medical Technologists Society Audioconference. December 6, 2007.

CME Instruction: (Continued)

- 2008 Nichols JH. Point of care testing: Effective communication and quality. American Society for Clinical Pathology Leadership Exchange. San Francisco, CA. February 29, 2008.
- Rishita Tiwari, MD, Nichols JH, Bozek D. Diabetes and glucose monitoring. Westfield North Middle School Science Overnight Program, March 28, 2008.
- Campbell S, Nichols JH. Quality practices for non-instrumented testing in all point-of-care settings. Clinical and Laboratory Standards Institute, “To Your Good Health” Leadership Conference. Baltimore, MD. April 2, 2008.
- Nichols JH. B-hydroxybutyrate: Past, present, and future. Industry Workshop. 60th Annual Meeting and Clinical Laboratory Exposition. American Association for Clinical chemistry. July, 2008.
- Howanitz P, Bowman C, Karon B, Nichols JH. Addressing the most common deficiencies cited on the College of American Pathologists Point of Care Checklist. Short Course, AACC University. 60th Annual Meeting and Clinical Laboratory Exposition. American Association for Clinical Chemistry. July, 2008.
- Campbell S, Nichols JH, Santrach P. Hot topics in point-of-care testing. Interactive Workshop. 60th Annual Meeting and Clinical Laboratory Exposition. American Association for Clinical Chemistry July, 2008.
- Howanitz PJ, Nichols JH. Are your POCT personnel competent? Scientific Session. 76th Annual Meeting. American Society for Clinical Laboratory Scientists, July, 2008.
- Nichols JH. How to deliver quality POCT? Roundtable. College of American Pathologists CAP '08 Meeting. San Diego, CA. September 27, 2008.
- Howanitz P, Santrach P, Nichols JH. Point-of-care testing: A tale of three institutions. Workshop. College of American Pathologists CAP '08 Meeting. San Diego, CA. September 27, 2008.
- Nichols JH. Point of care testing: Effective communication and quality. American Society for Clinical Pathology Annual Meeting. Baltimore, MD. October 18, 2008.
- 2009 Nichols JH. CLIA and research. Baystate Research Administration Continuing Education. Springfield, MA. January 22, 2009.
- Nichols JH, O'Farrell B, Moore N. IVD Technology Audioconference, The Fundamentals of In Vitro Diagnostics. March 26, 2009.
- Nichols JH, Bozek D. Diabetes and glucose monitoring. Westfield North Middle School Science Overnight Program. Westfield, MA. March 27, 2009.
- Nichols JH. Strategies to improve patient care and reduce medical errors. American Association for Clinical Chemistry, Professional practice in clinical chemistry: A review and update. Washington, DC. April 23, 2009.
- Nichols JH. Point of care testing. American Association for Clinical Chemistry, Professional practice in clinical chemistry: A review and update. Washington, DC. April 23, 2009.
- Rauch CA, Nichols JH. Labeling of laboratory specimens. NEOS continuing education. Springfield, MA. May 1, 2009.

CME Instruction: (Continued)

- 2009 Williams B, Nichols JH. Avoiding the most common deficiencies in point of care testing. Clinical Laboratory Management Association ThinkLab '09 Conference and Exhibition. Tampa, FL. May 4, 2009.
- Campbell S, Nichols JH, Santrach P. Hot topics in point-of-care testing. Interactive Workshop. 2009 Annual Meeting and Clinical Laboratory Exposition. American Association for Clinical Chemistry July 22, 2009.
- Nichols JH. Quality control and laboratory testing: A risk management approach. Pathology Grand Rounds. Emory School of Medicine. Atlanta, GA. September 1, 2009.
- Nichols JH. Point of care testing compliance. Webinar. New York City Point of Care Network. September 23, 2009.
- Nichols JH. How to deliver quality POCT? Roundtable. College of American Pathologists CAP '09 Meeting. Washington, DC. October 13, 2009.
- Howanitz P, Santrach P, Nichols JH. Point-of-care testing: A tale of three institutions. Workshop. College of American Pathologists CAP '09 Meeting. San Diego, CA. October 13, 2009.
- 2010 Nichols JH. Point of care testing compliance. Webinar. Northwest Point of Care Network. February 17, 2010.
- Nichols JH, Bozek D, Gordner C, Kuperman M. Diabetes and glucose monitoring. Westfield North Middle School Science Overnight Program. Westfield, MA. March 26, 2010.
- Nichols JH. Point of care testing compliance with a focus on building a POCT website. South Carolina Point of Care Network Meeting. Anderson, SC. April 30, 2010.
- Nichols JH. Laboratory quality control based on risk management. Westgard QC Workshop on Risk Analysis and QC Plans: Laboratory Quality in the age of Risk Management. Madison, WI. May 25, 2010
- Nichols JH. POCT Events: What to See at the AACC. Webinar. Point of Care Network. June 10, 2010
- Nichols JH, Luppia P, Clarke W, Campbell S, Lehmann C. Hot topics in point of care testing. Full Day Short Course. 2010 Annual Meeting and Clinical Laboratory Exposition. American Association for Clinical Chemistry. Anaheim, CA. July 25, 2010.
- Nichols JH. Hot topics in point of care testing. American Society for Clinical Laboratory Scientists Annual Meeting. Anaheim, CA. July 29, 2010.
- Nichols JH. Point of care testing compliance. Webinar. Southwest Florida Point of Care Network. September 8, 2010.
- Nichols JH. The future of POCT. Siemens Town Hall. Medford, MA. September 14, 2010.
- Nichols JH. Point of care testing: What is it and why does everyone want it? Clinicon Live 2010 Webinar. October 21, 2010.
- Nichols JH. Noninvasive testing and laboratory regulations. Masimo, Irvine, CA. December 1, 2010.

CME Instruction: (Continued)

- 2011 Nichols JH. Point of care testing compliance. Webinar. Alabama Point of Care Network. January 14, 2011.
- Nichols JH. Implementation of mass spectrometry: A clinical laboratory's experience. Industry Workshop. Mass Spectrometry Applied to the Clinical Laboratory Conference (MSACL), San Diego, CA. February 7, 2011.
- Richie JC, RL Fitzgerald, Nichols JH. Integrating mass spectrometry in the clinical laboratory: What you need to know. American Association for Clinical Chemistry Audioconference. March 16, 2011.
- Nichols JH. Achieving quality in your POCT program. Veteran's Administration Audioconference. March 20, 2011.
- Nichols JH. Clinical drug testing. Baystate Franklin Adult Medicine. BRL. April 12, 2011.
- Nichols JH. Meeting medical needs with point of care testing. BioConference Live. Audioconference. June 16, 2011.
- Clarke W, St. John A, Nichols JH, Bowman C, Lewandrowski K. Hot topics in point of care testing. Full Day Short Course. 2011 Annual Meeting and Clinical Laboratory Exposition. American Association for Clinical Chemistry. Atlanta, GA. July 24, 2011.
- Christenson R, Campbell S, Kost GJ, Lewandrowski K, Louie RL, Nichols JH, Tran NK, Yu J. Improving Outcomes through Point of Care Testing Certificate Program. American Association for Clinical Chemistry. Introduction and Creatinine Modules. July 2011.
- Yost J, Nichols JH. Understanding and managing POCT competency. Instrumentation Laboratories Illuminations Webinar. June 29, 2011.
- Nichols JH. Developing and maintaining a POCT Program. Arizona POC Coordinator Network Webinar. July 21, 2011.
- Nichols JH. CLSI Consensus Committee on POCT: Update at the Clinical and Laboratory Standards Institute President's Message. 2011 Annual Meeting and Clinical Laboratory Exposition. American Association for Clinical Chemistry, Atlanta, GA. July 25, 2011.
- Nichols JH. Implementation of mass spectrometry: A clinical laboratory's experience. Boston Biomedical's Financial Consultant's Meeting. 2011 Annual Meeting and Clinical Laboratory Exposition. American Association for Clinical Chemistry, Atlanta, GA. July 25, 2011.
- Yost J, Nichols JH. Understanding and managing POCT competency. Instrumentation Laboratories Industry Workshop. 2011 Annual Meeting and Clinical Laboratory Exposition. American Association for Clinical Chemistry. Atlanta, GA. July 27, 2011.
- Nichols JH. Clinical laboratory diagnostics: The core chemistry laboratory. Biomedical, Biotechnical and Forensic (BBF) Academy. High School of Science and Technology. Springfield, MA. September 9, 2011.
- Nichols JH. CLSI Document EP23: Laboratory Quality Based on Risk Management. Clinical and Laboratory Standards Institute Webinar. October 25, 2011.

CME Instruction: (Continued)

- 2011 Nichols JH. CLSI Document EP23: Laboratory Quality Based on Risk Management. Clinical and Laboratory Standards Institute Webinar. November 8, 2011.
Nichols JH and Skala K. Top Ten Tips for Managing Your POCT Program. American Association for Clinical Chemistry audioconference. November 9, 2011.
Nichols JH. Improving POCT compliance. KEYPOCC Point of Care Network Webinar. December 14, 2011.
Nichols JH, Yost J. Risk management in the laboratory: Implementation workbook for EP23-A. Clinical and Laboratory Standards Institute Webinar. December 20, 2011.
- 2012 Nichols JH, Yost J. Risk management in the laboratory: Implementation workbook for EP23-A. Clinical and Laboratory Standards Institute Webinar. January 17, 2012.
Korpi-Steiner N, Nichols JH, Mann P. Opportunities with the American Association for Clinical Chemistry CPOCT Division. Society for Young Clinical Laboratorians Podcast. February 2012.
Nichols JH. Urine drug testing. Baystate Reference Laboratories Continuing Education. Northgate Medical and Brightwood Clinic. February 22, 2012.
Yost J, Nichols JH. Risk management for medical laboratories. CMS CLIA Regional Office/Compliance Officer Audioconference. February 28, 2012.
Nichols JH. Achieving quality at the point of care. American Association for Clinical Chemistry Southeast Section Audioconference. March 14, 2012.
Nichols JH. Quality control based on risk management. Texas Gulf Coast Point of Care Coordinators Webinar. April 24, 2012.
Snyder A, Nichols J. Quality control based on risk management. Clinical Laboratory Management Association ThinkLab'12, Laboratory Management: Partner's in Care, Atlanta, GA. April 30, 2012.
Bowman CF, Price C, Nichols JH. Evidence-based practice for POCT. Panel Discussion on Point-of-Care Testing. BioConference Live, May 24, 2012.
Jones J, Nichols JH. Challenges of data management for POCT. American Association for Clinical Chemistry Webinar, Managing Your POCT Results: New Approaches to Connectivity. May 24, 2012.
Nichols JH. Laboratory quality control based on risk management. Bay Area Point-of-Care Coordinators Webinar. June 14, 2012.
Nichols JH. CLSI's EP23: Laboratory application. CLIA Western Division Virtual Meeting. June 19, 2012.
Yost J, Nichols JH. Moderator, CLIA update 2012: Here's what's in the works. American Association for Clinical Chemistry Webinar. June 27, 2012.
Gantzer M, Nichols JH, Ochs L, Bertholf R. EP23: Laboratory quality control based on risk management. Clinical and Laboratory Standards Institute Update: CLSI Present and Future Trends. July 16, 2012
Nichols JH, Snyder AE, Dyer KW, Perry DA, Hamill T. Developing a quality control plan based on risk management. Hot topics in point of care testing. Full Day Symposium. 2012 Annual Meeting and Clinical Laboratory Exposition. American Association for Clinical Chemistry. Los Angeles, CA. July 17, 2012.

CME Instruction: (Continued)

- 2012 Nichols J, Carrico R, Sutton S. Cross-contamination risks at the point-of-care: not to be neglected. Industry Panel Discussion. Los Angeles, CA. July 17, 2012.
- Nichols JH. The value, efficacy, and efficiency of β -hydroxybutyrate. Industry sponsored symposium. Los Angeles, CA. July 18, 2012.
- Ehrmeyer SS, Nichols JH. CLSI EP23: Achieving quality through risk management. Industry Hospital Point-of-Care Dinner Event. Los Angeles, CA. July 18, 2012.
- Nichols JH. How to validate a new test. College of American Pathologists CAP '12 Meeting. San Diego, CA. September 9, 2012.
- Nichols JH. Maintaining a POCT Program. Southern California Point of Care Coordinators Webinar. October 10, 2012.
- Nichols JH. Maintaining a POCT Program. New Jersey Point-of-Care Coordinators Webinar. October 23, 2012.
- Nichols JH. CLSI EP23: Laboratory quality control based on risk management. Chesapeake Point of Care Coordinators Webinar. November 15, 2012.
- Ng V, Nichols JH, Parvin C. QC for the Future: Developing a laboratory quality control plan based on risk management. American Association for Clinical Chemistry Webinar. November 28, 2012.
- Nichols, JH. Role of CLIAC in the regulatory process. American Association for Clinical Chemistry Regulatory Affairs Audioconference. December 5, 2012.
- Nichols JH. Developing a quality control plan based on risk management. Clinical and Laboratory Standards Institute/Association of Public Health Laboratories Webinar. December 6, 2012.
- 2013 Nichols JH. Developing a quality control plan based on risk management. Joint Commission Audioconference. January 3, 2013.
- Nichols JH. The CLSI guideline EP23-A: Laboratory quality control based on risk management. Vanderbilt Laboratory Medicine Rounds. January 4, 2013.
- Nichols JH. Occult blood testing: Guaiac versus FIT. Vanderbilt Pathology and Laboratory Services Outreach Physician Education. Franklin, TN January 10, 2013.
- Nichols JH. Introducing risk management into the clinical laboratory. American Society for Clinical Pathology Audioconference. April 16, 2013.
- Yost J, Nichols JH. CLIA Competency. American Association for Clinical Chemistry Government Affairs webinar. April 17, 2013.
- Nichols JH, Snyder AE, Berte L. Developing a quality control plan based on risk management. Hot topics in point of care testing. Half Day Symposium. 2013 Annual Meeting and Clinical Laboratory Exposition. American Association for Clinical Chemistry. Houston, TX. July 28, 2013.
- Nichols JH. Metabolic disturbances that lead to beta-hydroxybutyrate and ketone bodies. Industry sponsored symposium. Houston, TX. July 30, 2013
- Nichols JH. Achieving laboratory quality in an era of medical mistakes. Industry sponsored dinner. Houston, TX. July 31, 2013.

CME Instruction: (Continued)

- 2013 Yost JA, Nichols JH. Risk management for clinical laboratories. Clinical and Laboratory Standards Institute webinar, CLIA and EP23 Individualized Quality Control Plans. August 8, 2013.
- Nichols JH. Laboratory quality control based on risk management. SW Florida Point-of-Care Coordinators webinar. September 19, 2013.
- Young JL, Nichols JH, Engelhardt B. Laboratory testing for neonatal abstinence syndrome. Vanderbilt University School of Medicine, Department of Pediatrics, 2013 Annual Cookeville Perinatal-Neonatal Update. Cookville, TN September 27, 2013.
- Nichols JH. Implementing POCT in the ED: A tale of two institutions. An American Association for Clinical Chemistry Online Conference, The Role of POCT in Patient Care. October 7, 2013.
- Nichols JH. How to validate a new test. College of American Pathologists CAP '13 Meeting. Orlando, FL. October 13-15, 2013.
- Yost JA, Nichols JH. Laboratory quality control based on risk management (CLSI EP23). American Association for Clinical Chemistry webinar, CMS, Customized QC and the Clinical Laboratory. November 14, 2013.
- Nichols JH. Developing and maintaining a point-of-care program. Bay Area Point-of-Care Coordinators webinar. December 3, 2013.
- Nichols JH. Practical tips for point-of-care testing. KEYPOCC Point-of-Care Coordinators webinar. December 11, 2013.
- 2014 Nichols JH. Risk management at the point of care: CMS IQCPs and CLSI EP23 guidelines. Arizona Point-of-Care Coordinators webinar, February 19, 2014
- Anderson M, Nichols JH, Ochs L, Snyder AE. Identifying risks, assessing risks and understanding how to create an IQCP. Clinical and Laboratory Standards Institute Leadership Conference Workshop, March 25, 2014.
- Quicho RS, Nichols JH. Creating and presenting an IQCP. Clinical and Laboratory Standards Institute Leadership Conference Workshop, March 26, 2014.
- Nichols JH. Reducing medical errors through risk management. Clinical Laboratory Management Association audioconference, April 22, 2014.
- Liu J and Nichols JH. Expanding the lab leader's role on the healthcare team. American Association for Clinical Chemistry webinar, April 23, 2014.
- Louie M and Nichols JH. The new EP23 – Laboratory quality control based on risk management. Clinical and Laboratory Standards Institute webinar, May 14, 2014.
- Nichols JH. Reducing medical errors through risk management. American Association for Clinical Chemistry Southeast Local Section audioconference, June 4, 2014.
- Nichols JH. Driving quality in point-of-care testing. Roche booth workshop. Annual Meeting and Clinical Laboratory Exposition. American Association for Clinical Chemistry. Chicago, IL. July 29 and 30, 2014.

CME Instruction: (Continued)

- 2014 LaDuca FM, Nichols JH, Woodworth AL. How do I develop an individualized quality control plan (IQCP)? Hot topics in point-of-care testing, Short Course, 2014 Annual Meeting and Clinical Laboratory Exposition, American Association for Clinical Chemistry. Chicago, IL. July 30, 2014.
- Nichols JH. How to validate a new test. College of American Pathologists CAP '14 Meeting. Chicago, IL. September 7-10, 2014.
- Nichols JH. The manufacturer's role in successful implementation of LC-MS/MS in clinical laboratory best practices and lessons learned. Market Diagnostics International (MDxi) webinar, September 24, 2014.
- Nichols JH. How the proposed LDT regulations could affect you. Clinical and Laboratory Management Association audioconference, November 18, 2014.
- Nichols JH. Preanalytical Variation. UT Memphis pathology residency CE webinar, December 2, 2014.
- Nichols JH. A practical approach to implementing and validating new tests (SAM eligible). College of American Pathologists self-learning module.
- 2015 Nichols JH. The Role of the manufacturer/laboratory partnership in implementing POCT quality control based on risk management. Market Diagnostics International (MDxi) webinar, February 11, 2015.
- Kazon P, Nichols JH. How the LDT regulations could impact your laboratory! American Association for Clinical Chemistry audioconference, The future of LDT oversight. April 22, 2015.
- Ball J, Ng V, Nichols JH, Olea S. IQCP: Ask the experts. Bio-Rad Laboratories Webinar. July 22, 2015.
- Ehrmeyer SS, Isbell TS, Luppia P, Nichols JH, Woodworth A. Implementing practice guidelines. Hot Topics in Point-of-Care Testing. Full day workshop. 2015 Annual Meeting and Clinical Laboratory Exposition. American Association for Clinical Chemistry. Atlanta, GA. July 29, 2015.
- Nichols JH. Reducing risk in the laboratory: IQCP in action! Association Society for Clinical Laboratory Science and Association of Public Health Laboratories webinar. September 24, 2015.
- Nichols JH. IQCP demystified: Practical considerations for your blood gas analyzer. Radiometer webinar. September 30, 2015.
- Nichols JH. IQCP demystified: Practical considerations for your blood gas analyzer. Radiometer webinar. October 20, 2015.
- Kazon P, Nichols JH. Emerging models for regulating laboratory-developed tests. American Association for Clinical Chemistry webinar. November 3, 2015.
- Nichols JH. Building an individualized quality control plan (IQCP). Roche Diagnostics webinar. December 10, 2015.

CME Instruction: (Continued)

- 2016 Winter WE, Nichols JH, Schatz D. Clinical management of diabetes course 2016. American Association for Clinical Chemistry webinar.
- Nichols JH. Laboratory testing for pain management. Vanderbilt One Hundred Oaks Clinic Pain Management Physicians CME January 18, 2016.
- Nichols JH. Pediatric reference ranges. Alexion Pharmaceutical webinar. Feb 3, 2016.
- Nichols JH. Developments in laboratory regulations. American Society for Clinical Laboratory Science – The Tennessee Annual Lab Conference (TALC) Franklin, TN. April 1, 2016.
- Nichols JH. Best practices in risk assessment and risk management. 3rd Annual AACC Virtual POCT Conference; Leading the Way to Positive Outcomes: The Role of POCT in Patient-Centered Care. April 28, 2016.
- Nichols JH. Laboratory regulations update. Central Florida Point-of-Care Coordinators Webinar. May 26, 2016.
- Nichols JH. Individual Quality Control Plan update. Roche Diagnostics CME webinar. June 14, 2016.
- Nichols JH. The effects of new regulations on POCT. Southern California Point-of-Care Coordinators Webinar. June 16, 2016.
- Dyer K, Nichols JH. Hot topics in laboratory regulations: A laboratory perspective. Half day workshop. 2016 Annual Meeting and Clinical Laboratory Exposition. American Association for Clinical Chemistry. Philadelphia, PA. July 31, 2016.
- Amukele T, Nichols JH. Alternative sample collection – Beyond venous phlebotomy. Disruptive Technologies Full day symposium. 2016 Annual Meeting and Clinical Laboratory Exposition. American Association for Clinical Chemistry. Atlanta, GA. August 1, 2016.
- Nichols JH. Risk management in POCT: Eliminating errors before they bite you. Virginia Point-of-Care Coordinators webinar. August 16, 2016.
- Nichols JH. Hot topics in laboratory regulations. Vanderbilt Department of Pathology, Microbiology and Immunology, Laboratory Medicine Rounds. September 16, 2016.
- Nichols JH. Use of glucose meters in critically ill patients. New Jersey Point-of-Care Coordinators Webinar. October 5, 2016.
- Nichols JH. Laboratory regulations update. Virginia Point-of-Care Coordinators Webinar. November 2, 2016.
- 2017 Nichols JH. Laboratory testing for pain management. Vanderbilt One Hundred Oaks Clinic Pain Management Physicians CME January 24, 2017.
- Nichols JH. Risk management in POCT: Eliminating errors before they bite you. Ohio Point-of-Care Coordinators webinar. March 9, 2017.
- Nichols JH. Improving the Clinical Laboratory Interpretation. L2: Lab Leader’s Summit. Indianapolis, IN April 19 – 20, 2017.
- Nichols JH. The dangers of direct-to-consumer testing. Lab Week CE. April 27, 2017.

CME Instruction: (Continued)

- 2017 Cotten S, Fantz C, Woodworth A. Nichols JH. Regulatory updates, intended use and approval for POC glucose devices in critically ill patients presented in the Burden of proof: POC glucose monitoring in the critically ill patient - Half day symposium. 22017 Annual Meeting and Clinical Laboratory Exposition. American Association for Clinical Chemistry. San Diego, CA August 3, 2017.
- Nichols JH. Risk management in POCT: Eliminating errors before they bite you. Heart of America Point-of-Care Coordinators webinar. September 21, 2017.
- Mansouri S, Nichols JH. Errors in the clinical laboratory in Detection and reduction of transient errors to manage risk in point-of-care testing. ILuminations Webinar CE. October 25, 2017.
- 2018 Nichols JH. Laboratory testing for pain management. Vanderbilt One Hundred Oaks Clinic Pain Management Physicians CME January 29, 2018.
- Nichols JH. POCT coordination managing your sanity as your program expands beyond the horizon. Ohio Point-of-Care Coordinators webinar. March 7, 2018.
- Isbell S, Fantz C, Halverson K, Jenkins K, Mann P, Nichols J. Point-of-care test item writing committee for American Association for Clinical Chemistry Point-of-Care Certification Program. April 2018
- Nichols JH. Risk management in POCT: Eliminating errors before they bite you. Ohio Point-of-Care Coordinators webinar. July 18, 2018.
- Nichols JH. The nursing-lab relationship in POCT: The good, the bad and the ugly of interdisciplinary teams. VA Point-of-Care Coordinators webinar. August 21, 2018.
- Nichols JH. POCT coordination: Managing your sanity as your program expands beyond the horizon. VA Point-of-Care Coordinators webinar. November 8, 2018.
- 2019 Nichols JH. Laboratory testing for pain management. Vanderbilt One Hundred Oaks Clinic Pain Management Physicians CME February 21, 2019.
- Nichols JH. The nursing-lab relationship in POCT: The good, the bad and the ugly of interdisciplinary teams. Baystate POC Coordinators webinar. April 4, 2019.
- Nichols JH. Innovations and opportunities for point-of-care testing in modern healthcare. American Society for Clinical Laboratory Science – The Tennessee Annual Lab Conference (TALC) Nashville, TN. April 12, 2019.
- Nichols JH. An introduction to CLIA regulations: What you need to know and document. Clinical and Laboratory Standards Institute (CLSI) webinar. October 29, 2019.
- Nichols JH. Returning individual research results to participants: A clinical and research laboratory perspective. Vanderbilt Department of Pathology, Microbiology and Immunology, Laboratory Medicine Rounds. November 1, 2019.
- Nichols JH. POCT coordination: Managing your sanity as your program expands beyond the horizon. Keystone State Point of Care Coordinators (KeyPOCC) webinar. December 3, 2019.
- Nichols JH. Laboratory Medicine MM&I. Laboratory Medicine Rounds. Vanderbilt Department of Pathology, Microbiology and Immunology. Nashville, TN. December 13, 2019.

CME Instruction: (Continued)

- 2020 Nichols JH. Laboratory testing for pain management. Vanderbilt One Hundred Oaks Clinic Pain Management Physicians CME February 11, 2020.
Nichols JH. Laboratory interpretive services. Taking your lab to the next level in meeting medical needs. Cardinal Health Lab Briefings webinar. April 22, 2020.
Chaitram J, Nichols JH, Van Brackle R, Zale A, Dauphin L, Stenzel T. CLSI Point-of-care testing resources. CDC Biweekly COVID-19 Response Call. September 19, 2020.
- 2021 Nichols JH. Clinical and Laboratory Standards Institute (CLSI) resources for validation, implementation, and management of new tests. Tennessee Point of Care Coordinators webinar. June 1, 2021.
Nichols JH. POCT coordination: Managing your sanity as your program expands beyond the horizon. Texas Point of Care Coordinators webinar. June 3, 2021.
Nichols JH. Quality control in high volume laboratories. BioRad symposium. (virtual) December 1, 2021.
- 2022 Nichols JH. Laboratory Medicine MM&I. Laboratory Medicine Rounds. Osmolality Expired QC. Vanderbilt Department of Pathology, Microbiology and Immunology. Nashville, TN. (virtual) January 28, 2022.
Nichols JH. Laboratory testing for pain management. Vanderbilt One Hundred Oaks Clinic Pain Management Physicians CME February 16, 2022.

PROFESSIONAL SOCIETY MEMBERSHIP:

American Association for the Advancement of Science
American Association for Clinical Chemistry
American Chemical Society
Academy of Clinical Laboratory Physicians and Scientists
American Diabetes Association
American Society of Clinical Pathologists
Association of Clinical Scientists
California Scholarship Federation - Lifetime Member
Clinical Laboratory Management Association
International Association of Therapeutic Drug Monitoring and Clinical Toxicology
Mayo Foundation Alumni Association
National Academy of Clinical Biochemistry
Phi Lambda Upsilon Honorary Chemical Society
Sigma Xi Scientific Research Society
University of Illinois Alumni Association

OFFICE AND COMMITTEE ASSIGNMENTS IN PROFESSIONAL SOCIETIES

1995 Legislative Liaison, Capital Section, AACC
1996 - 1998 Chair-Elect, Chair, Past-Chair, Capitol Section, AACC
1996 - 2001 TDM/Tox LIP Committee, AACC
1997 - 1998 Vice-Chair, Provisional POCT Division, AACC
1997 - 1998 Chair, Program Committee, Provisional POCT Division, AACC
1998 - 2000 Chair, TDM/Tox LIP Committee, AACC
1998 Award Committee, Capitol Section, AACC
1999 - 2000 Distance Learning Committee, AACC
1999 - 2001 Chair-Elect, Chair, Past-Chair, Capitol Section, AACC
1999 - 2000 Nominating Committee, Critical Care Division, AACC
1999 - 2001 Chair-Elect, Chair, Past-Chair, Point-of-Care Testing Division, AACC
1999 Chair, Program Committee, POCT Division, AACC
2000 - 2001 Chair, Provider Review Committee, Connectivity Industry Consortium
2001 - 2003 Toxicology Exam Subcommittee, American Board of Clinical Chemistry
2001 International Organization for Standardization Technical Committee
(ISO/TC) 212 Working Group 1, Quality Management in the Clinical
Laboratory
2001 - 2004 Chair, Fundraising Committee, National Academy of Clinical Biochemistry
2002 American Society for Testing and Materials (ASTM) E31 Committee, Healthcare
Informatics
2002 International Federation of Clinical Chemistry/Roche Diagnostics Award
Committee for Significant Advances in Critical Care Testing
2002 - 2003 Chair, Distance Learning Committee, Critical and Point-of-Care Testing Division,
AACC
2003 Membership Task Force, AACC Board of Directors
2003 Connectivity Industry Consortium Committee, Van Slyke Society and AACC
2004 Secretary, Connecticut Valley Local Section, AACC
2004 - 2005 TDM and Pharmacoeconomics committee, International Association of
Therapeutic Drug Monitoring and Clinical Toxicology
2004 - 2005 Distance Learning Committee, Critical and Point-of-Care Testing Division,
AACC
2004 - 2006 Credentials Committee, American Board of Clinical Chemistry
2004 - 2009 Program Coordinating Committee, AACC
2004 - 2009 Liaison, College of American Pathologists (CAP) POCT Checklist Committee
2004 - 2009 Chair, Meetings Management Group, AACC
2005 International Federation of Clinical Chemistry/Roche Diagnostics Award
Committee for Significant Advances in Critical Care Testing
2007 Education and Scientific Affairs Committee, National Academy of Clinical
Biochemistry (NACB)
2007 Publications Committee, National Academy of Clinical Biochemistry (NACB)
2010 Associate, College of American Pathologists (CAP) POCT Checklist Committee
2013 Laboratory Tests Online (Professional Version) Task Force, AACC
2013 - 2015 Program Coordinating Committee, AACC

OFFICE AND COMMITTEE ASSIGNMENTS IN PROFESSIONAL SOCIETIES

- 2014 - 2019 Steering Committee, Surveillance Program for Cleared Blood Glucose Monitors, Diabetes Technology Society
- 2016 - 2019 AACC Leadership Group/key members of committees
- 2018 CLSI Global Health Partnership (GHP) Business Development Task Force
- 2018 AACC Taxonomy Task Force
- 2018 CLSI Vision Statement Review Task Force
- 2018 - 2020 Chair, AACC Academy Guidance Document on Management of Point-of-Care Testing
- 2020 - current IQCP Checklist Advisory Group, College of American Pathologists (CAP)
- 2020 - current ISO Concepts for the Laboratory Accreditation Program project team. College of American Pathologists (CAP)
- 2020 - current Chair, AACC Academy Guidance Document on Fertility and Reproductive Point-of-Care Testing
- 2021- current Liaison, Point-of-Care Testing Checklist Committee, College of American Pathologists (CAP)
- 2021- current AACC Education Coordinating Committee

Conference Organization, Session Chair:

- 1999 Nichols J, Wu AHB. POCT in the emergency department. Audioconference Moderator. Managing your point-of-care testing for success. American Association for Clinical Chemistry. January 14, 1999.
- Jones JB, Logue J, Nichols JH. Challenges and solutions to POCT billing and data management. Audioconference Moderator. Managing your point-of-care testing for success. American Association for Clinical Chemistry. January 21, 1999.
- Aller R, Blick K, Jimison H, Jones J, Larsson L. Nichols J, Edutrak Moderator (#3502). Information Management for Point-of-Care Testing. 51st Annual Meeting of the American Association for Clinical Chemistry, New Orleans, LA. July 29, 1999.
- 2000 Scientific Committee for the 18th International Symposium on Critical Care Testing in the New Millennium: The Integration of Point-of-Care Testing, Copenhagen, Denmark. June 1 - 4, 2000.
- Informatics: Data Collection to Knowledge. Session Chair. 18th International Symposium on Critical Care Testing in the New Millennium: The Integration of Point-of-Care Testing, Copenhagen, Denmark. June 3, 2000.
- Nichols JH, Ammirati EB, Nadeau RG, Schulte T, Weeden VW, Edutrak Moderator, Frontiers in Point-of-Care Testing. San Francisco, CA. July 24, 2000.
- Connectivity Industry Consortium, European Point-of-Care Testing Providers Meeting, Nichols JH, Chair, CIC Provider Review Committee. Milan, Italy, September 24, 2000.

Conference Organization, Session Chair: (Continued)

- 2002 Nichols JH, Laposata, M, DeHoyos DR, Schlemmer E, Della Rocca E, Lewandrowski K, Freden B. Audioconference Moderator. Managing your point-of-care testing program for success. American Association for Clinical Chemistry, January 23, 30, February 6, 2002.
- Scientific Committee for the 19th International Symposium on Critical Care and Point of care Testing: Connecting Technology to Patient Care, Monterey, CA, September 11-14, 2002.
- Lyman K, Dufour DR, Nichols JH, Hoeltge G. Audioconference Moderator. Your Quality Improvement Plan: Making it More Than a Paper Exercise. American Association for Clinical Chemistry, November 13 and 20, 2002.
- 2003 Barglowski M, Nichols JH. Audioconference Moderator. Top 10 Tips for Managing Your POCT Program. American Association for Clinical Chemistry, September 17, 2003.
- Organizing Committee and Symposium Chair, LabMed2003, Providence, RI, November 20-22, 2003, ANSA, Alliance Northeast Sections, American Association for Clinical Chemistry.
- 2004 Session Chair, Clinical Point-of-Care, Lab Automation 2004, ALA, Association of Laboratory Automation, February 4, 2004.
- Organizing Committee and POCT Session Moderator, Oak Ridge Conference, American Association for Clinical Chemistry, April 30, 2004.
- Nichols JH, Shipp G. Evidence Based Practice for POCT: A National Academy of Clinical Biochemistry Laboratory Medicine Practice Guideline. American Association for Clinical Chemistry Annual Meeting Edutrak Sessions, July 26-27, 2004.
- Fundraising Committee, International Association for Therapeutic Drug Monitoring and Clinical Toxicology (IATDMCT), March 2005.
- 2005 Nichols JH, Rossi A, Bennett M. Audioconference Moderator. Pediatric & Neonatal POCT: Outcomes and Opportunities. American Association for Clinical Chemistry, January 19, 2005.
- Nichols JH, Miedema K, Sandberg S, Hagvik J. Workshop Moderator. Replacing Guesswork in Glucose Determination. EuroMedLab 2005, Glasgow, Scotland, May 11, 2005.
- Nichols JH, Cembrowski G. CoModerators. Diabetes Technology Society International Workshop for the Establishment of Performance Standards for Continuous Glucose Monitors, 5th Annual Diabetes Technology Meeting, San Francisco, CA November 10, 2005.
- Nichols JH, Shattuck K, Petersen J. Audioconference Moderator. The Role of Transcutaneous Bilirubin Testing within the New Guidelines: Clinical and Analytical Perspectives. American Association for Clinical Chemistry and the National Academy of Clinical Biochemistry, November 16, 2005.

Conference Organization, Session Chair: (Continued)

- 2006 Nichols JH. Benefits of Board Certification. American Board of Clinical Chemistry Forum at the 2006 American Association for Clinical Chemistry Annual Meeting, July 24, 2006.
Campbell S, Jones JB, Nichols JH, Peterson JR, Santrach PS. Abstract Review Committee, Refining Point of Care Testing Strategies for Critical and Emergency Care. American Association for Clinical Chemistry CPOCT Division and International Federation for Clinical Chemistry, Quebec City, Quebec, Canada, September 28-30, 2006.
- 2008 Lopez J, Nichols JH, Badrul R, Sunil S, Rhame J. Scientific Program Committee. American Association for Clinical Chemistry. Laboratory Automation: Integrating Quality with Efficiency. Kuala Lumpur, Malaysia. October 22-23, 2009.
- 2009 Barlow I, Dols J, Goldschmidt H, Hawker C, Nichols JH, Rhame J. Scientific Program Committee. American Association for Clinical Chemistry. Laboratory Automation. Amsterdam, The Netherlands. April 7-8, 2009.
- 2010 Nichols JH. Point of care testing and the hospital of the future. Lead Focus Panel Discussion. Instrumentation Laboratories Scientific Advisory Council. Wellesley, MA. May 6, 2010.
Nichols JH, Luppia P, Clarke W, Campbell S, Lehmann C. Session Chair. Hot topics in point of care testing. Full Day Short Course. 2010 Annual Meeting and Clinical Laboratory Exposition. American Association for Clinical Chemistry. Anaheim, CA. July 25, 2010.
Anderson M, Campbell S, Dubois JA, Fantz C, Karon BS, Lewandrowski K, Nichols, JH, Price C, Seeger CA. Scientific Program Committee. New Directions in Point of Care and Critical Care Testing: Innovation, Controversies, and Partnerships. American Association for Clinical Chemistry CPOCT Division and International Federation for Clinical Chemistry, Boston, MA. September 22-25, 2010.
Nichols JH. Session Chair. Integrating POCT into Patient Care Pathways and Patient Outcomes. American Association for Clinical Chemistry CPOCT Division and International Federation for Clinical Chemistry, Boston, MA. September 23, 2010.
- 2011 Nichols JH. College of American Pathologists (CAP) Hospital Inspection. Team Leader, South Shore Hospital, South Weymouth, MA. March 8, 2011.
Nichols JH. Point of care creatinine performance specifications. Lead Focus Panel Discussion. Instrumentation Laboratories Scientific Advisory Board. Wellesley, MA. May 5, 2011.
Nichols JH, Clarke W, St. John A, Bowman C, Lewandrowski K. Session Chair. Hot topics in point of care testing. Full Day Short Course. 2010 Annual Meeting and Clinical Laboratory Exposition. American Association for Clinical Chemistry. Atlanta, GA. July 24, 2010.

Conference Organization, Session Chair: (Continued)

- 2011 Nichols JH, Campbell S, Christenson R, Kost G, Lewandrowski K, Louie RF, Tran N. Chair, AACC Improving Outcomes through Point of Care Testing Certificate Program 2011.
- 2012 Nichols JH. Workshop Leader for 1) Regulatory knowledge and education, and 2) Six requirements of competency. Instrumentation Laboratories (IL) 2012 National Sales Meeting. Denver, CO. January 23-24, 2012
Nichols JH. CAP Inspection, Team Leader Boston Heart Laboratory, Framingham, MA February 10, 2012.
Aguilar RC, Arancio O, Baran S, Borchers C, Bowman C, Clarke W, Cruikshank D, Cruikshank G, Gluck E, Goldrick M, Jones S, Kudolo G, Lichanska A, Louwrier A, Mauro VP, McGaugh J, McKenzie S, Muraski J, Nichols JH, Owen C, Straseski J, Wang S, Yamanoor S. BioConference Live 2012 Organizing Committee.
Nichols JH. Point of care and critical care. Lead Focus Panel Discussion. Instrumentation Laboratories Scientific Advisory Council. Barcelona, Spain, May 3 – 4, 2012.
Dubois J, Nichols JH. Organizing Committee, American Association for Clinical Chemistry CPOCT Division Session. French Congress Deauville, France. June 1, 2012.
Yost J, Nichols JH. Moderator, CLIA update 2012: Here's what's in the works. American Association for Clinical Chemistry Webinar. June 27, 2012.
Nichols JH, Snyder AE, Dyer KW, Perry DA, Hamill T. Session Moderator. Hot topics in point of care testing. Full Day Symposium. 2012 Annual Meeting and Clinical Laboratory Exposition. American Association for Clinical Chemistry. Los Angeles, CA. July 17, 2012.
Campbell S, Ginocchio CC, Nichols JH. Moderator Panel Discussion, Sources of error in POC devices: Where do things go wrong in the real world? Sixth Annual Enabling Point-of-Care Diagnostics. Washington, DC. August 22, 2012.
Blick K, Crolla L, Dubois J, Karon B, Lyon M, Malik A, Nichols JH, Sandhaus L, Skurup A, Slingerland RJ, Watson I, Zima T. Organizing Committee American Association for Clinical Chemistry CPOCT Division and International Federation for Clinical Chemistry 2012 Prague, Czech Republic Meeting.
- 2013 Nichols JH, Snyder AE, Berte L. Session Moderator. Hot topics in point of care testing. Half Day Symposium. 2013 Annual Meeting and Clinical Laboratory Exposition. American Association for Clinical Chemistry. Houston, TX. July 28, 2013.
Bayrak-Toydemir P, Bennett J, Bowman CF, Cantor C, Cruikshank D, Cruikshank G, Furnaga W, Geaghan S, Hooper P, Jones S, Juergen-Loyda H, Lichanska AM, Louwrier A, Martin SS, Mauro V, Molinaro RJ, Nichols JH, Rose A, Saenger A, Salcido T, Straseski JA, Taylor D. BioConference Live 2013 Organizing Committee.

Conference Organization, Session Chair: (Continued)

- 2014 Borchers C, Bowman CF, Cruikshank D, Cruikshank G, Fritsma G, Geaghan S, Holick M, Hollis B, Hooper P, Johnson-Davis K, Louwrier A, Maisel A, Marzinke M, Molinaro RJ, Morris H, Nichols JH, Rose A, Saenger A, Salcido T, Straseski JA, Wang S, Wright A. BioConference Live 2014 Organizing Committee.
LaDuca FM, Nichols JH, Woodworth AL. How do I develop an individualized quality control plan (IQCP)? Hot topics in point-of-care testing, Short Course, 2014 Annual Meeting and Clinical Laboratory Exposition, American Association for Clinical Chemistry. Chicago, IL. July 30, 2014.
- 2015 Nichols JH (Chair), Horowitz G, Korpi-Steiner N, Molinaro R, Romeo R. 2015 Clinical Chemistry Review Course Curriculum Organizing Committee, Washington, D.C.
Isbell TS, Nichols JH, Koch D. Meeting emergency department turnaround time with point of care and other lab options. 6th International Symposium, Critical Care and Blood Gases, Friday Session: Clinical and economic outcomes of POCT and new perspectives in the USA. Euromedlab Ancillary Meeting, Versailles, Paris, France. June 19, 2015.
Ehrmeyer SS, Isbell TS, Luppia P, Nichols JH, Woodworth A. Implementing practice guidelines. Hot topics in point-of-care testing, Afternoon Symposium, 2015 Annual Meeting and Clinical Laboratory Exposition, American Association for Clinical Chemistry. Atlanta, GA. July 29, 2015.
Korpi-Steiner N, Nichols JH (Moderator) An IQCP development roadmap: One medical center's journey toward implementation. AACC webinar. November 5, 2015.
- 2017 Bertholf R, Colby J, Janetta B, Molnelli A, Nichols JH, Richie J. American Association for Clinical Chemistry Southeast Local Section Meeting Organizing Committee. Nashville, TN, June 3, 2017.
Nichols JH, Gutierrez A, Clark W. Enabling Point-of-Care Diagnostics to the Market. Next Generation Dx Summit: The Big Picture of Diagnostics. Washington, DC. August 15, 2017.
- 2018 Smieha M, Clarke W, Nichols JH, Dyer KW, Tobin P. Enabling Point-of-Care Diagnostics to the Market. Next Generation Dx Summit: What will the future of POC devices look like? Washington, DC. August 21, 2018.
- 2019 Nichols JH, Donato L, Luppia P. Worldwide challenges in POCT: Managing people, Regulations, Devices and Technologies; A Focus on Molecular POCT. Annual Meeting and Clinical Laboratory Exposition. American Association for Clinical Chemistry, Anaheim, CA. August 6, 2019.
Botkin JR, Nichols JH. Returning Individual Research Results to Participants: The National Academy of Sciences, Engineering and Medicine Results. Annual Meeting and Clinical Laboratory Exposition. American Association for Clinical Chemistry, Anaheim, CA. August 8, 2019.

Conference Organization, Session Chair: (Continued)

- 2019 Nichols JH, Tran N, Saltz J, Marquardt B, Percy T, Spero R. Applications of Rapid Laboratory Diagnostics. Next Generation Dx Summit: Enabling Point-of-Care Diagnostics: Delivering rapid results to improve outcomes. Washington, DC. August 20, 2019.
- Nichols JH, Collins S, Dering-Anderson AM, Hickner JM. Medical Crossfire: Considering point-of-care testing in your practice setting? Opportunities and challenges for implementation in family practice, retail pharmacies, and the emergency room. Physicians' Education Resource. Videotaping, Cranbury, NJ. November 22, 2019.
- 2020 Nichols JH, Ng VL, Wiencek J, Bothwell B, Sanaa J, Fantz C. Reducing errors at the point-of-care. Next Generation Dx Virtual Interactive Global Summit. August 25, 2020.
- Nichols JH, Jacobs E, Alter D. AACC guidance document on management of point-of-care testing. Annual Scientific Meeting & Clinical Lab Expo Virtual American Association for Clinical Chemistry. December 15, 2020.
- 2021 Nichols JH, Roberts H, Leung EKY, Chambliss A, Egan D, Moore N. Practical Challenges with POCT Implementation, 13th Annual Next Generation Dx Summit, Enabling Point-of-Care Diagnostics. Washington, DC. August 25, 2021.
- 2022 Nichols JH. Abstract reviewer and Moderator, Session 2 Innovative Clinical Applications of POCT in Different Settings (Hospital and Outpatient) in the 5th Munich POCT Symposium. Munich Germany, March 17, 2022.

Advisory Panels:

- 1997 * Food and Drug Administration. Clinical Chemistry and Clinical Toxicology Devices Advisory Panel. Frequent causes of inaccurate readings for self-monitoring blood glucose systems. March 21, 1997.
- 1998 * Boehringer-Mannheim Diagnostics and AVL Scientific. Point-of-Care Testing Data Management and Central Data System Parameters. February 20-22, 1998 Frankfurt, Germany.
- * American Society for Testing and Materials: Standards Working Group ASTM 31.13: Point-of-Care Testing Data Management.
- 1999 * Boehringer-Mannheim Diagnostics/AVL Scientific. Advisory Board Member
- * International Workshop on the Standardization of Whole Blood Coagulation Devices sponsored by the US Food and Drug Administration, Center for Devices and Radiological Health and the College of American Pathologists. Washington DC. August 13, 1999.
- * Radiometer. Focus Group, Copenhagen DK. August 18-20, 1999.

Advisory Panels: (Continued)

- 1999 * Hewlett-Packard. User's Focus Group of the Industrial Consensus Conference for the Standardization of Data Transmission from Point-of-Care Devices. Stanford University, Palo Alto, CA. October 3, 1999.
- * College of American Pathologists, Advisory Board for Critical Care Website
- 2000 * Chair, Provider Review Committee, Point of Care Connectivity Industry Consortium.
- * Chair, Point-of-Care Testing Department, Dade Behring University Advisory Board.
- * Radiometer. Five-year corporate planning group, Copenhagen, DK. August 15, 2000.
- * Radiometer. Focus Group, Copenhagen, DK. October 24-25, 2000.
- 2001 * Avitar Scientific Advisory Board, Chicago, IL June 19, 2001.
- 2002 * Bayer Information Management Challenge Session. Wellesley, MA. February 5, 2002.
- * Ortho-Clinical Diagnostics Management Board Meeting on POCT. Basking Ridge, NJ. March 25, 2002
- * HemoCue Medical Advisory Board. Reykjavik, Iceland. August 12, 2002.
- * Ortho-Clinical Diagnostics POCT Advisory Panel. New Orleans, LA. June 28, 2002.
- * Ortho-Clinical Diagnostics POCT Advisory Panel. Monterey, CA September 11, 2002.
- 2003 * Ortho-Clinical Diagnostics POCT Advisory Panel. Salt Lake City, June 20, 2003.
- * BioSite POCT Advisory Panel, Philadelphia, PA. July 20, 2003.
- * Radiometer Blood Gas Advisory Board, Philadelphia, PA. July 23, 2003.
- * i-Stat CMS Advisory Group
- 2004 * Roche Modular User's Group, Portland, ME October 19, 2004
- * Ortho Clinical Diagnostics Laboratory Advisory Panel, San Diego, CA, December 14, 2004.
- 2005 * Instrumentation Laboratories Scientific Advisory Council, Wellesley, MA, May 5 – 6, 2005.
- * Centers for Medicare & Medicaid Services (CMS), IQM CLIA Panel, Baltimore, MD. July 14, 2005.
- * Ortho-Clinical Diagnostics Laboratory Advisory Panel, Baltimore, MD, September 9, 2005.
- 2006 * Quidel Infectious Disease Medical Advisory Board, Del Mar, CA, January 21-22, 2006.
- * Bayer Diagnostics Leadership Conference, Manhattan, NY, February 9–10, 2006.
- * Abbott/i-Stat Medical Advisory Board, Chicago, June 20, 2006.
- * 3-M Diagnostics Medical Advisory Board, Park Rapids, MN, June 30 – August 2, 2006.
- * Quidel Infectious Disease Medical Advisory Board, San Diego, CA, Dec 1 – 3, 2006.
- 2007 * Radiometer Medical Advisory Board. Austin, TX. February 23, 2007.
- * Instrumentation Laboratories Scientific Advisory Council, Wellesley, MA, May 10 – 11, 2007.
- * Gen-Probe, San Diego, CA. September 18, 2007.
- 2008 * Radiometer Medical Advisory Board. San Antonio, TX. January 25, 2008.
- * Instrumentation Laboratories Scientific Advisory Council. Wellesley, MA May 8 - 9, 2008.
- 2009 * Instrumentation Laboratories Scientific Advisory Council. Wellesley, MA May 7 - 8, 2009.
- * Roche Diagnostics, GmbH, Zurich, Switzerland. June 3, 2009.

Advisory Panels: (Continued)

- 2010 * Salt-Check Advisory Panel. Boston, MA March 16, 2010.
* Instrumentation Laboratories Scientific Advisory Council. Wellesley, MA. May 6-7, 2010.
* Quiagen, Dusseldorf, Germany. July 8 – 9, 2010.
* Health Advances Technology Panel. Anaheim, CA. July 27, 2010.
* Food and Drug Administration. Laboratory Developed Test Discussion Panel, representing clinical laboratories. Washington, DC. November 22, 2010.
- 2011 * Food and Drug Administration. Glucose Meter Technical Performance Criteria. San Diego, CA. April 14 – 16, 2011.
* Instrumentation Laboratories Scientific Advisory Council. Wellesley, MA. May 5 – 6, 2011.
* Seventh Sense Diagnostics. Scientific Focus Group. New York City, NY. September 8, 2011.
- 2012 * Instrumentation Laboratories Scientific Advisory Council. Barcelona, Spain. May 3 – 4, 2012.
* Roche Diagnostics Inform II, Food and Drug Administration Challenge Panel. Los Angeles, CA. July 12-13, 2012.
* Siemens Point of Care Advisory Panel, Los Angeles, CA. July 18, 2012.
- 2013 * Siemens Point of Care Advisory Panel, Munich, Germany. February 20, 2013.
* Instrumentation Laboratories Scientific Advisory Council. Barcelona, Spain. May 9-10, 2013.
* Seventh Sense Diagnostics, Scientific Focus Group. Houston, TX. July 31, 2013
* Becton-Dickinson, Technical Discussion. Houston, TX. July 31, 2013
* Siemens Point of Care Advisory Panel. Boston, MA September 9, 2013.
- 2014 * Siemens Point of Care Advisory Panel. Milan, Italy, April 1, 2014
* Instrumentation Laboratories Scientific Advisory Council. Wellesley, MA May 8-9, 2014
* Roche Glucose Meter Performance Advisory Panel. San Francisco, CA, June 4 – 6, 2014.
- 2015 * Instrumentation Laboratories Scientific Advisory Panel. Barcelona, Spain. May 12-13, 2015.
* Instrumentation Laboratories Point-of-Care Scientific Advisory Panel, Boston, MA, Oct 8 – 9, 2015.
- 2016 * Mesa Biotech Scientific Advisory Panel. San Diego, CA. February 26, 2016.
* Alexion Pharmaceuticals Alkaline Phosphatase Pediatric Reference Interval Scientific Advisory Board (hypophosphatasia and Strensiq[®] therapy), Miami, FL, Feb 12, 2016.
* Instrumentation Laboratories Scientific Advisory Panel. Wellesley, MA, May 12-13, 2016.
* Roche Diagnostics Solaris Steering Group. Amsterdam, Netherlands, June 7, 2016.
* Alexion Pharmaceuticals. EU Advisory Board on Alkaline Phosphatase (ALP) Reference Intervals in Pediatrics, Rome, Italy, Dec 3, 2016.

Advisory Panels: (Continued)

- 2017 * Abbott AlinIQ Advisory Board. Denver, Jan 18-19, 2017.
- * Instrumentation Laboratories Point-of-Care Scientific Advisory Panel, Phoenix, AZ. February 28, 2017.
- * Instrumentation Laboratories Scientific Advisory Panel. Barcelona, Spain. May 11-12, 2017.
- * Radiometer Scientific Advisory Committee. San Diego, CA. July 29, 2017.
- * Clarus Therapeutics FDA Mock 2 Briefing Advisory Panel. Nashville, TN. December 14, 2017.
- 2018 * Instrumentation Laboratories Scientific Advisory Panel. Wellesley, MA, May 17-18, 2018.
- * Mi Diagnostics Scientific Advisory Board. Leuven, Belgium. May 30, 2018.
- * LumiraDx Scientific Advisory Board. Stirling and Dunblane, Scotland. October 15-16, 2018.
- 2019 * Abbott Diagnostics. Afinion HbA1c FDA Diagnostic Claims Advisory Panel. Burlingame, CA. March 2, 2019.
- * Instrumentation Laboratories Scientific Advisory Panel. Barcelona, Spain. May 9-10, 2019.
- * Diabetes Technology Society. YSI 2300 replacement meeting – AACC representative. Bethesda, MD. November 13, 2019.
- 2020 * Dexcom Continuous Glucose Monitoring System Steering Committee. Dallas, TX. January 30, 2020.
- * Continuous Glucose Monitor/Closed Loop Systems in the Hospital Consensus Guideline Panel. Virtual. April 23, 2020.
- * Point-of-Care Virtual Advisory Council, Instrumentation Laboratories. September 29, 2020
- * Hemoglobin A1c CLIA Waiver Advisory Panel, Abbott Diagnostics, Abbott Park, IL.
- 2021 * Continuous Ketone Monitoring Consensus Panel. Virtual. April 20, 2021.
- * Point-of-Care Virtual Advisory Council, Instrumentation Laboratories. October 15, 2021

Consultantships:

- 1994 Data Management for the One Touch II Hospital Meter. LifeScan Inc., San Jose, CA.
- 1995 Managing patient data with the HemoCue hemoglobin and glucose meters. HemoCue Inc. Mission Viejo, CA.
- 1997 Data management with the Precision G Meter. MediSense, Bedford, MA.
- Automated quality assurance at the point-of-care. Medical Automation Systems, Charlottesville, VA.
- POCT data management on the HemoCue hemoglobin and glucose meters. HemoCue Inc. Angelholm, Sweden.
- 1998 Use of data reduction techniques for automating the management of POCT devices. HemoCue Inc. Mission Viejo, CA.

Consultantships: (Continued)

- 1999 Member of International POCT Connectivity Industry Consortium as a Core User.
Hewlett-Packard, Palo Alto, CA.
- 2002 Version 3.0 Data Management System. Abbott Medisense, Medford, MA
Focus Group on Blood Gas Analysis. Medica Corporation, Bedford, MA
- 2003 POCT data management. Green Mountain Logic, Montpelier, VT
- 2005 DHHS/CMS Instrumentation Laboratories Gem IQM quality control. Baltimore, MD.
Radiometer/SenDx ABL80. San Diego, CA.
- 2006 Epocal Corporate Review. Instrumentation Laboratories, Lexington, MA.
- 2008 California Correctional Institutions POCT Grant, Nichols Management Group, York
Harbor, ME
- 2010 Point of Care Testing Network. Grant Review Progress. Johns Hopkins University Point
of Care NIH Grant on Sexually Transmitted Diseases. Columbia, MD.
- 2011 Point of Care Testing Centers of Excellence. Grant Review Advisory Board. UC Davis,
CA.
- 2014 Focus Group on blood collection devices at AACC Meeting, Chicago, IL. Becton-
Dickinson, Franklin Lakes, NJ
Future diagnostics projects. FujiriBio Diagnostics, Malvern, PA.
- 2016 Cepheid POCT consulting for Cepheid's CLIA waived solutions, QC lockout
requirements for GXII and GX IV Xpress Systems, webinar.
- 2021 Diabetes Technology Society. Continuous Glucose Meter Clinical Metric Project.
Roche Health Care Professional Advisory Board.
Abbott Healthcare Professional Master Services Agreement, Alere Afinion HbA1c FDA
response
- 2022 Integration of Continuous Glucose Monitoring Data into the Electronic Health Record
(iCoDE) Standard – AACC appointee to panel.

Legal Testimony:

- 1994 Kempe vs. The Domestic Corporation. Deposition. Marshall, Dennehey, Warner,
Coleman & Coggin, Philadelphia, PA.
- 1994 Maria Sloman vs. Tambrands, Inc. Deposition. Tom Riley Law Firm, Cedar Rapids, IA.
- 1997 Norman Edward Barys vs Chief Michael Grambrill . Circuit Court of Baltimore Case
Number 03-C-97-00482. Assistant County Attorney, Jeffrey Grant Cook,
Towson, MD.
- 1997 Givens vs Baltimore County et al. Risselle Rosenthal Fleischer Attorney. Baltimore,
MD.
- 1998 IGEN International, Inc. vs Boehringer Mannheim, GmbH. Case Number. PJM 97-3461.
Montgomery County, MD.
- 2001 IGEN International, Inc. vs. Roche Diagnostics, GmbH. Deposition Case Number PJM
97-3461 (October 8, 2001), Washington, DC.
- 2001 Estate of Golat and Desmaris vs. O'Meara's Pub and Paul Williams, Request for
Information. C.A. Nos. 2000-00752 and 2001-00004.
- 2006 William N. Campbell and Deborah A. Campbell vs. Arthur G. Aaronson, M.D. File No
051015. Hunter & Bobit, P.C.

Legal Testimony: (Continued)

- 2009 William N. Campbell and Deborah A. Campbell vs. Arthur G. Aaronson, M.D. Trial Testimony, Barnstable Superior Court, MA. December 3 – 4, 2009.
- 2013 United States *ex rel.* Michael Ruhe, Kristine Serwitz, and Vincente Catala, and Michael Ruhe, individually, and Vincente Catala, individually, and Kirstine Serwitz, individually vs Masimo, Corporation. US District Court, Central District of California, CV 10-8169 CJC (VBK) expert report of James H Nichols, Ph.D., DABCC, FACB. Judge: Honorable Cormac J Carney.
- 2013 State of Tennessee vs Mary Lynn Rish. Criminal Court for Davidson County, Tennessee, Division VI. Nashville, TN. Case No: 213-B-944.
- 2015 US Department of Justice, US *ex rel* Wu v. Alere, Baltimore, MD. DJJ-15-L-USA37-0089.
Estate of Theresa Rogers vs Rhode Island Hospital. Rice Dolan & Kershaw, Providence, RI. Mark P Dolan. File No 14-146.
- 2016 Cooley LLP. Partner Investments PL, PFM Healthcare Master Fund LP, PFM Healthcare Principals Fund LP v. Theranos Inc, Elizabeth Holmes, Ramesh Balwani, and Does 1-10.
- 2018 Snow, Christensen and Martineau. James Matlock v DHMC (Davis Hospital and Medical Center) & Dr. Bo Poulson
- 2019 U.S. Department of Justice. United States of America, et al. *ex rel.* Lorne Holland and Michelle Taylor v. DaVita Healthcare Partners Inc., et al. Case No. 6:17-cv-1592 (M.D. Fla)
- 2021 Radiometer LTD v Procurement and Logistics Services and Belfast Health and Social Care Trust and Western Health and Social Care Trust and Southern Health and Social Care Trust and South Eastern Health and Social Care Trust and Northern Health and Social Care Trust and Business Services Organization. PCT087/129

MAJOR RESEARCH INTERESTS

Point of Care Testing
Laboratory Automation
Information Management
Evidence-Based Medicine and Outcomes Research

EDITORIAL ACTIVITIES:

- 1996 Board-of-Editors, *Therapeutic Drug Monitoring and Toxicology: An In-Service Training and Continuing Education Program*. Published by the American Association for Clinical Chemistry.
- 1997-2001 Editorial Board, *Therapeutic Drug Monitoring and Clinical Toxicology Division Newsletter*. Published by the American Association for Clinical Chemistry
- 1997 Editorial Board, *To the Point: Point-of-Care Testing Newsletter*. Published by Lehman-Millet, Boston, MA.

EDITORIAL ACTIVITIES: (Continued)

- 1998-2000 Editorial Advisory Board, *The JCAHO Success Guide*. Published by the Healthcare Accreditation Resource Center, Rockville, MD.
- 1999-2000 Abstract and Contributed Paper Reviewer, 51st and 52nd Annual Meetings of the American Association for Clinical Chemistry.
- 2000 Chair, Editorial Advisory Board for AACC Distance Learning OnLine Case Studies (*Clinical Laboratory Medicine*)
- 2001-2002 Editorial Board, *Point-of-Care: The Journal of Near-Patient Testing and Technology*. Published by Lippincott, Williams and Wilkins.
- 2003-2016 Editor, *Point-of-Care: The Journal of Near-Patient Testing and Technology*. Published by Lippincott, Williams and Wilkins.
- 2007-2021 Board of Editors, *Lab Tests Online* (A public resource on clinical lab testing from the laboratory professionals who do the testing).
- 2009-2014 Board of Editors, *Check Sample*. American Society of Clinical Pathologists.
- 2016-current Deputy Editor, *JALM (The Journal of Applied Laboratory Medicine)*, Published by AACC (American Association for Clinical Chemistry)
- 2018-2021 American Society for Clinical Laboratory Science (ASCLS) Consumer Information Web Page Response Team

Journal Peer Review Activities:

American Journal of Kidney Diseases
American Journal of Managed Care
American Laboratory
Analytical and Bioanalytical Chemistry
Annals of Internal Medicine
Archives of Internal Medicine
Archives of Pathology and Laboratory Medicine
Biochemia Medica
BioMed Central Family Practice
BioMed Central Health Services Research
Biotechnology and Applied Biochemistry
Canadian Journal of Diabetes
Clinica Chimica Acta
Clinical Biochemist Reviews
Clinical Biochemistry
Clinical Chemistry
Clinical Chemistry and Laboratory Medicine
Current Drug Abuse Reviews
Diabetes Technology & Therapeutics
European Endocrinology
European Journal of Human Genetics
Expert Review of Medical Devices
Expert Review of Molecular Diagnostics
Journal of Clinical Apheresis
Journal of Clinical Ligand Assay
Journal of Comparative Effectiveness Research
Journal of Critical Illness
Journal of Pathology Informatics
Journal of Pharmaceutical and Biomedical Analysis
Indian Journal of Critical Care Medicine
Medical Journal of Australia
Point of Care Testing
Pediatrics
PLOS ONE (Public Library of Science)
Practical Laboratory Medicine
Swiss Medical Weekly
Technological Forecasting & Social Change
Therapeutic Drug Monitoring

BIBLIOGRAPHY:

Refereed Papers:

- 1) Ristic M, James MA, Shamansky L, Kakoma I, Liu H, Nichols J. Culture derived *Plasmodium falciparum* exoantigens: Isolation and characterization of protective polypeptides. Proceedings of the Asia and Pacific Conference on Malaria: Practical Considerations on Malaria Vaccine and Field Trials. W. Siddiqui, Editor, Department of Tropical Medicine and Medical Microbiology, John A. Burns School of Medicine, University of Hawaii. 1985, pp. 194-205.
- 2) Nichols JH, Burritt MF, Ellefson RD, Hermansen J, Schifferdecker K. Simultaneous HPLC determination of free, conjugated and sulfated bile acids. *J Liq Chromato* 1993;16(3):681-97.
- 3) Nichols JH, Charlson JR, Lawson G. Development of an automated HPLC assay for plasma fluoxetine and norfluoxetine. *Clin Chem* 1994;40(7):1312-6.
- 4) Nichols JH. Management of near patient glucose testing. *Endocrinology and Metabolism In-Service Training and Continuing Education* 1994;12(11):325-34.
- 5) Nichols JH, Howard C, Loman K, Miller C, Nyberg D, Chan DW. Laboratory and bedside evaluation of portable glucose meters. *Am J Clin Pathol* 1995;103:244-51.
- 6) Nichols JH. Author's reply to Arya SC. To the editor: Laboratory and Bedside Evaluation of portable glucose meters. *Am J Clin Pathol* 1995;104:465.
- 7) McPherson JL, Nichols JH, Barditch-Crovo P, Hamzeh FM. Determination of the spermicide nonoxynol-9 in vaginal lavage by high-performance liquid chromatography. *J Chromatogr B* 1996;677:204-8.
- 8) Nichols JH. Flunitrazepam (Rohypnol). *Therapeu Drug Monitor Toxicol*, 1996;17(6):139-41.
- 9) Li D, Nichols JH. Specimen collection and stability for therapeutic drug monitoring. *Therapeu Drug Monitor Toxicol* 1997;18(1):13-9.
- 10) Silberman MA, Nichols JH. Carbon Monoxide. *Therapeu Drug Monitor Toxicol* 1997;18(7):177-92.
- 11) Saltz J, Nichols JH. H2 blockers: Cimetidine. *Therapeu Drug Monitor Toxicol* 1997;18(7):171-4.
- 12) Sokoll LJ, Li DJ, Dawson PB, Wallop JM, Kroll MH, Nichols JH. Critical pathways: The laboratory's role in coronary artery bypass surgery. *Clin Lab News*, 1997;4:6-7.

Refereed Papers: (Continued)

- 13) Steinberg DM, Sokoll LJ, Bowles KC, Nichols JH, Roberts R, Schultheis SK, O'Donnell CM. Clinical evaluation of Toxi-Prep®: semi-automated solid-phase extraction system for screening of drugs in urine. *Clin Chem* 1997;43(11):2099-105.
- 14) Allen EA, Nichols JH. Topiramate. *Therapeu Drug Monitor Toxicol* 1997;18(12):311-3.
- 15) Chance JJ, Nichols JH. Scopolamine. *Therapeu Drug Monitor Toxicol* 1998;19(6):143-5.
- 16) Nichols JH, Dyer K, Liszewski CA, Nyberg D, Poe S, Sokoll LJ, Wallace N, Charache P. Standardizing the quality assurance of near-patient testing. Proceedings of the 17th International Symposium of the Electrolyte/Blood Gas Intercontinental Working Group of the International Federation of Clinical Chemistry. The Confluence of critical care analysis and near-patient testing. Nice, France. June 4-7, 1998. Pp. 169-180.
- 17) Kuzdzal SA, Nichols JH. Cefepime. *Therapeu Drug Monitor Toxicol* 1998;19(12):327-8.
- 18) Arroyo M, Nichols JH. Celecoxib. *Therapeu Drug Monitor Toxicol* 1999;20(3):65-7.
- 19) Chance JJ, Li DJ, Jones KA, Dyer KL, Nichols JH. Technical evaluation of five glucose meters with data management capabilities. *Am J Clin Pathol*, 1999;111(4):547-56.
- 20) Nichols JH, Ratner L. Standards of laboratory practice: Immunosuppressive drug monitoring. National Academy of Clinical Biochemistry Guidelines for Therapeutic Drug Monitoring Services. 1999:43-9, 78-90.
- 21) Nichols JH, Bill MJ, Zoltani GP. Outcomes from laboratory automation of drug immunoassays. *J Clin Ligand Assay*, 1999;22(1):42-49.
- 22) Truskinovsky AM, Nichols JH. Lyme disease and rotavirus vaccines. *Therapeu Drug Monitor Toxicol* 1999;20(8):195-7.
- 23) Nichols JH. Management of point-of-care testing. [Review] *Blood Gas News* 1999;8(2):4-14.
- 24) Nichols JH, Poe SS. Quality assurance, practical management, and outcomes of point-of-care testing: Laboratory perspectives. *Clin Lab Manag Rev* 1999;13(6):341-50.
- 25) Srodon M., Nichols JH. Neuraminidase Inhibitors. *Therapeu Drug Monitor Toxicol* 2000;21(2):31-3.
- 26) Poe SS, Nichols JH. Quality assurance, practical management, and outcomes of point-of-care testing: Nursing perspectives. *Clin Lab Manag Rev*, 2000;14(1):12-8.

Refereed Papers: (Continued)

- 27) Silverman BC, Humbertson SK, Stem JE, Nichols JH. Operational errors cause inaccurate glucose results. (Letter) *Diabetes Care* 2000;23(3):429-30.
- 28) Nichols JH, Kickler TS, Dyer KL, Humbertson SK, Cooper PC, Maughan WL, Oechsle DG. Clinical outcomes of point-of-care testing in the interventional radiology and invasive cardiology setting. *Clin Chem* 2000;46(4):543-50.
- 29) Vuica M, Nichols JH. Atypical antipsychotic drugs. *Therapeu Drug Monitor Toxicol*, 2000;22(3):65-75.
- 30) Boettcher M, Haenseler E, Hoke C, Nichols J, Raab D, Domke I. Precision and comparability of Abuscreen OnLine assays for drugs of abuse screening in urine on Hitachi 917 with other immunochemical tests and with GC/MS. *Clin Lab* 2000;46(1):49-52.
- 31) Chance JJ, Li DJ, Sokoll LJ, Silberman MA, Engelstad ME, Nichols JH, Liu X, Mohammad AA, Petersen JR, Okorodudu AO. Multi-site analytical evaluation of the SenDx 100 blood gas/electrolyte analyzer for point-of-care testing. *Crit Care Med*, 2000;28(6):2081-5.
- 32) Nichols JH. Point of care testing: Online management case. *Clinical Laboratory Medicine* 2000
- 33) Buetens OW, Nichols JH. Evidence-based medicine: An Overview. *Therapeu Drug Monitor Toxicol* 2000;21(7):167-9.
- 34) Taylor M, Nichols JH, Saltz J. POCT Connectivity: Opening the door to a laboratory without walls. *Am Clin Lab* 2000;19(6):12-3.
- 35) Taylor M, Saltz J, Nichols JH. Design of an integrated clinical data warehouse. *JALA* 2000;5(3):54-9.
- 36) Nichols JH, Chance JJ, Dyer KL, Kuzdzal SA, Stem JE. Point-of-care glucose monitoring: Review of recent advances. *Lab Medica International* 2000;17(4):1426.
- 37) Stem JE, Humbertson SK, Silverman BC, Nichols JH. Harmonization of point-of-care results. *Diagnostic Endocrinology & Metabolism* 2000 ;18(12):375-8.
- 38) Rai AJ, Clarke W, Nichols JH. Ephedrine. *Therapeu Drug Monitor Toxicol* 2000; 21(12): 299-301.

Refereed Papers: (Continued)

- 39) Dyer KL, Nichols JH, Taylor M, Miller R, Saltz J. Development of a universal connectivity and data management system for point of care testing. *Crit Care Nurs Q* 2001; 24 (1):25-38.
- 40) Clarke W, Nichols JH. Bedside glucose testing: Applications in the home and hospital. *Clinics in Lab Med* 2001;21(2):305-19.
- 41) Nichols JH. Problem solving for point of care testing. *ASCP Tech Sample* 2001; CC-3: 13-17.
- 42) Nichols JH. Connectivity Industry Consortium Update: The standard for point of care connectivity. TEPR 2001 Proceedings Towards the Electronic Patient Record. SA 23 - Information at the point of care: Achieving connectivity and moving beyond. May 12, 2001 Boston, MA. pgs. 1-12.
- 43) Dubois JA, Dunka L, Allred T, Callaghan J, Cooper T, Cross S, Hawker C, Jones J, Knafel AJ, Nichols J, Perry J, Schluter P. Point-of-care connectivity; Approved standard POCT1-A. ISBN 1-56238-450-3 NCCLS, Wayne, PA 2001; 21(24):1-309.
- 44) Prego T, Nichols J, Fisher J, Ganschow W, Heinemann L, Hirst D, Jacobs E, Jones J, Lowensohn B, Russel D, Santrach P. Appendix D: Point-of-care requirements. Point-of-care connectivity; Approved Standard POCT1-A. ISBN 1-56238-450-3. NCCLS, Wayne, PA 2001; 21(24):243-260.
- 45) Nichols JH. Management of remote laboratory data. *Lab Med* 2001;32(9):532-4.
- 46) Nichols JH, Dyer KL, Humbertson SK, Stem JE, Krarup T, Fischauf P. Traditional liquid quality control versus internal quality control: A clinical evaluation of the Radiometer NPT7. *Point of Care* 2002;1(1):9-19.
- 47) Hickey K, Seliem R, Shields J, McKee A, Nichols JM. A positive drug test in the pain management patient: deception or herbal cross-reactivity? *Clin Chem* 2002;48(6):958-60.
- 48) Fellows L, Nichols JH, Shorter S. Examination of the TLI_{IQ} system nontraditional quality control for rapid fetal fibronectin testing. *Point of Care* 2002;1(4):241-5.
- 49) Nichols JH. The appropriate selection of cardiac markers. *The Clinical Advisor* 2003;6(3):76-82.
- 50) Schwartz D, Connelly NR, Manikantan P, Nichols JH. Hyperkalemia and pyloric stenosis. *Anesth Analg* 2003;97:355-7.

Refereed Papers: (Continued)

- 51) Moccio R, Shields J, Rockwell, GF, Nichols JH. The clinical utility of meconium testing. *Journal of Clinical Ligand Assay* 2003;26(1):30-6.
- 52) Jaryno SA, Zucker ML, El Rouby S, Franks BLM, Nichols J, Anestis K, McRae K, McDuffie S, Marcello D, Jacobs E, LaDuca FM. Validation of the Hemochron® Jr. *SIGNATURE+* Microcoagulation System and Hemochron configuration manager. *Point of Care* 2003;2(2):129-34.
- 53) Chen ET, Nichols JH, Duh SH, Hortin G. Performance evaluation of blood glucose monitoring devices. *Diabetes Technology & Therapeutics* 2003;5(5):749-68.
- 54) Nichols JH. A critical review of blood glucose testing. *Point of Care* 2003;2(1):49-61.
- 55) Nichols JH. Quality in point-of-care testing. *Expert Rev Mol Diagn* 2003;3(5):563-72.
- 56) Nichols JH. Inpatient blood glucose testing. Issues NPs should consider. *Adv Nurse Pract.* 2003;11(8):67-8,88.
- 57) Silverman BC, Clarke W, Dyer KL, Stem JE, Nichols JH, Sokoll LJ. Investigation of animal bloods as alternative sources for point-of-care testing validation and proficiency materials. *Point of Care* 2003;2(4):243-8.
- 58) Nichols JH. Instrument validation: The road to success. *Clinical Laboratory News* 2004;30(2) 14-16.
- 59) Nichols JH. The history, advantages and limitations of point-of-care testing for blood glucose. *J Lab Med* 2004;28(3):245-50.
- 60) Nichols JH, Bartholomew C, Brunton M, Cintron C, Elliott S, McGirr J, Morsi D, Scott S, Seipel J, Sinha D. Sources of barcode scanner failure on POCT devices. *Point of Care* 2004; 3(3):140-46.
- 61) Nichols JH, Bartholomew C, Brunton M, Cintron C, Elliott S, McGirr J, Morsi D, Scott S, Seipel J, Sinha D. Reducing medical errors through barcoding at the point of care. *Clin Leadership Manag Rev* 2004;18(6)328-34.
- 62) Nichols JH. Reducing medical errors at the point of care. *Lab Med* 2005;36(5):275-277.
- 63) Nichols JH. Point-of-care testing: Moving toward evidence-based practice. *Clinical Laboratory News* 2005;31(10):8-10.
- 64) Nichols JH. Tips for managing your POCT program. *MLO* 2006;38(1):16, 18.
- 65) Nichols JH. Quality in point-of-care testing: Taking POC to the next level. *Accred Qual Assur* 2006;11(6):273-7.

Refereed Papers: (Continued)

- 66) Dunka L, Allen B, Cooper T, Feters C, Mullens W, Nichols J, Norgall T, Schluter P, Uleski B. Point-of-care connectivity; Approved standard - Second edition. POCT1-A2. ISBN 1-56238-616-6 CLSI, Wayne, PA 2006;21(24):1-289.
- 67) Prego T, Nichols J, Fisher J, Ganschow W, Heinemann L, Hirst D, Jacobs E, Jones J, Lowensohn B, Russel D, Santrach P. Appendix D: Point-of-care requirements. In Point-of-care connectivity; Approved standard - Second edition. POCT1-A2. ISBN 1-56238-616-6 CLSI, Wayne, PA 2006;21(24):253-69.
- 68) Arabadjief D, Nichols JH. Assessing glucose meter accuracy. Brief Review. *Cur Med Res Opin* 2006;22(11):2167-74.
- 69) Nichols JH, Bartholomew C, Bonzagi A, Garb JL, Jin L. Evaluation of the IRMA TRUpoint and i-STAT creatinine assays. *Clin Chim Acta* 2007;377(1-2):201-5.
- 70) Nichols JH, Christenson RH, Clarke W, Gronowski A, Hammett-Stabler CA, Jacobs E, Kazmierczak S, Lewandrowski K, Price C, Sacks D, Sautter RL, Shipp G, Sokoll L, Watson I, Winter W, Zucker M. Evidence based practice for point of care testing: A NACB laboratory medicine practice guideline. *Clin Chim Acta* 2007;379:14-28.
- 71) St. Louis PJ, Anderson M, Colard D, DeHoyos DR, Geller J, Kroll MH, Maund M, Nedetzky Q, Nichols JH, Peterson EJ, St. John A. Implementation Guide of POCT1 for Healthcare Providers; Proposed Guideline. POCT2-P. ISBN 1-56238-630-1 CLSI, Wayne PA 2007;27(6):1-37.
- 72) Nichols JH. Developing Laboratory Medicine Practice Guidelines. *Clin Chim Acta* 2007;381(2):186-7.
- 73) Rajadhyaksha A, Rodriguez M, Nichols JH. Evaluation of the HemoCue 201 room temperature microcuvettes. *Point of Care* 2007;6(4):170-3.
- 74) Nichols JH. The NACB Laboratory Medicine Practice Guidelines for pH testing. *Point of Care* 2007;6(4):247-52.
- 75) Nichols JH, Karon BS. Preparing for an inspection. College of American Pathologists EXCEL Program. XLE-2007;1-26.
- 76) Rajadhyaksha A, Camelo-Pirague S, Rauch CA, Nichols JH. Indirect phlebotomy: Is it good practice? American Society for Clinical Pathology Check Sample, Clinical Chemistry No. CC08-3(CC-369) ISSN 1056-599X. 2008;48(3):29-47.
- 77) Nichols JH. Point of Care Testing. *Clin Lab Med* 2007;27(4):893-908.

Refereed Papers: (Continued)

- 78) Rauch CA, Nichols JH. Laboratory accreditation and inspection. *Clin Lab Med* 2007;27(4):845-58.
- 79) Nichols JH, Rajadhyaksha A, Rodriguez M. Evaluation of the EPOC system for point of care blood gas and electrolyte analysis. *Point of Care* 2008;7(1):7-11.
- 80) Zur M, Moccio RJ, Nichols JH. Evaluation of the β -hydroxybutyrate ketone test on the STAT-Site M analyzer. *Point of Care* 2008;7(2):60-3.
- 81) Nichols JH, Karim S, Arabadjief M. Evaluation of QC3: The automatic quality control system on the ABL80 FLEX. *Point of Care* 2008;7(2):54-9.
- 82) Arabadjief M, Nichols JH. Evaluation of the AfinionTM AS100 point of care analyzer for HbA_{1c}. *Point of Care* 2009;8(1):11-5.
- 83) Blank FSJ, Miller M, Nichols J, Smithline H, Crabbe G, Pekow P. Blood glucose measurement in patients with suspected diabetic ketoacidosis: A comparison of Abbott Medisense PCx POCT to reference laboratory values. *J Emerg Nurs* 2009;35(2):93-6.
- 84) Hollowell M, Nichols JH. Point-of-care testing for hemoglobin. ACSP LabQ-Phlebotomy No 2. 2009;PBT-2:1-6.
- 85) Nichols JH, Howanitz P. Pre-analytical variables. College of American Pathologists EXCEL program. XLH-2008:1-27.
- 86) Nichols JH. Point-of-care testing: Examples and case studies. Medscape CME. Highlights of the American Society for Clinical Pathology 2008 Annual Meeting. Posted Feb 4, 2009.
- 87) Nichols JH. Managing quality point of care testing: Summary of the presentation from the National Days for Laboratory Medicine Conference at Sechenov Medical Academy, Moscow, October 8, 2008. *Journal of the Russian Association for Medical Laboratory Diagnostics* 2009.
- 88) Krouwer JS, Halim A-B, Hatjimihail AT, Jacobs E, Manasterski A, Nichols JH. Risk Management Techniques to Identify and Control Laboratory Error Sources; Approved Guideline – Second Edition. EP18-A2. ISBN 1-56238-712-X CLSI, Wayne PA 2009;29(26):1-83.
- 89) Winter W, Little R, Nichols JH, Schatz D. Evaluation of ketosis in diabetes. AACC Diabetes Certificate Program 2009.

Refereed Papers: (Continued)

- 90) Winter W, Little R, Nichols JH, Schatz D. Point-of-care testing in diabetes. AACC Diabetes Certificate Program 2009.
- 91) Chajewski OS, Nichols JH. The importance of testing for pre-diabetes: Using the right tool. *US Endocrinology* 2009;5:22-5.
- 92) Unold D, Nichols JH. Book Review. Point-of-care testing: Needs opportunity, and innovation, 3rd Edition. Price CP, St John A, Kricka LL (eds) *Clin Chem* 2010;56(12):193-4.
- 93) Nichols JH. Blood glucose testing in the hospital: Error sources and risk management. *J Diabetes Sci Technol* 2011;5(1):173-7.
- 94) Nichols JH. Laboratory quality control based on risk management. *IVD Technol* 2010;16(3).
- 95) Nichols JH. Analytical and post-analytical variation. College of American Pathologists EXCEL program. XLE-2010:1-13.
- 96) Nichols JH. POCT Connectivity and informatics. College of American Pathologists EXCEL Program. XLG-2010:1-22.
- 97) Alreja G, Setia N, Nichols J, Pantanowitz L. Reducing patient identification errors related to glucose point-of-care testing. *J Pathol Inform* 2011;2:22.
- 98) Nichols JH. Laboratory quality control based on risk management. *Annals of Saudi Medicine*. 2011;31(3):223-8.
- 99) Chapman CN, Nichols JH. Hemoglobin A1c and the estimated average glucose. ASCP Check Sample, Clinical Chemistry. 2010;50(5):59-68.
- 100) Gordner C, Nichols JH. Understanding diabetic ketoacidosis. ASCP Check Sample, Clinical Chemistry. 2011;51(7):87-95.
- 101) Penn HJ, Langman LJ, Unold D, Shields J, Nichols JH. Detection of synthetic cannabinoids in herbal incense products. *Clin Biochem* 2011;44:1163-5.
- 102) Bowman CF, Nichols JH, Flamich B. Understanding and explaining the CAP POCT Checklist: A tool for laboratorians to use with POCT staff. College of American Pathologists. EXCEL Program XLI-2011:1-26.
- 103) Nichols JH, Bowman CF, Flamich B. Troubleshooting proficiency testing results. College of American Pathologists. EXCEL Program XLG-2011:1-18.

Refereed Papers: (Continued)

- 104) Nichols JH. Point of care testing for creatinine. AACC Improving Outcomes through Point of Care Testing Certificate Program 2011.
- 105) Nichols JH, Altaie SS, Cooper G, Glavina P, Halim A-B, Hatjimihail AT, Howerton D, Jacobs E, Laessig RH, Leneau R, Levine JB, Miller WG, Murray R, Ng VL, Person NB, Pinkos A, Sadek W, Scott MG, Snyder AE, Walsh L, Wennecke G, Zucker ML. Laboratory quality control based on risk management; Approved Guideline. EP23-A. ISBN 1-56238-767-7. CLSI, Wayne, PA. 2011;31(18):1-73.
- 106) Wadzinski TL, Nichols JH. Glucose testing and the electronic medical record. ASCP Check Sample, *Pathology Informatics* 12-2. 2012;1(2):1-8.
- 107) Rosenblum F, Nichols JH. Understanding pre-analytic variables: Specimen labeling errors. ASCP Check Sample, *Clinical Chemistry* 2012;52(8):99-109.
- 108) Rust MJ, Carlson NA, Nichols JH. A thermo-modulating container for transport and storage of glucose meters in a cold weather environment. *Point of Care* 2012;11(3): 157-60.
- 109) Nichols JH, Perry D. Evidence based POCT. College of American Pathologists. EXCEL Program XLG-2012.
- 110) Heyer NJ, Derzon JH, Wings L, Shaw C, Mass D, Snyder SR, Epner P, Nichols JH, Gayken JA, Ernst D, Liebow E. Effectiveness of practices to reduce blood sample hemolysis in EDs: A Laboratory Medicine Best Practices systematic review and meta-analysis. *Clin Biochem* 2012;45(13-14):1012-32.
- 111) Nichols JH. A risk-management roadmap for clinical laboratories. *IVD Technol* May, 2013.
- 112) Levy RL, Gordner C, Nichols JH. Case studies in ketosis and the clinical utility of β -hydroxybutyrate. *Point of Care* 2013;12:141-43.
- 113) Nichols JH. 2013 CPIP Case 10: Lab management evidence based POCT (SAM Eligible) College of American Pathologists online CME Self-Assessment Module. October 2013.
- 114) Njoroge SW, Nichols JH. Managing risk at the point-of-care: Preventing errors. *Clin Lab News* 2014;July:20-9.
- 115) Klonoff DC, Vigersky RA, Nichols JH, Rice MJ. Timely hospital glucose measurement: Here today, gone tomorrow? *Mayo Clin Proc* 2014;89(10):1331-5.
- 116) Njoroge SW, Nichols JH. Risk management in the clinical laboratory. *Ann Lab Med* 2014;34:274-8.

Refereed Papers: (Continued)

- 117) Nichols JH. Risk management for POCT. *eJIFCC* 2014;25(2):24-31.
- 118) Klonoff DC, Draznin B, Drincic A, Dungan K, Gianchandani R, Inzucchi SE, Nichols JH, Rice MJ, Seley JJ. PRIDE statement on the need for a moratorium on the CMS plan to cite hospitals for performing point-of-care capillary blood glucose monitoring on critically ill patients. *J Clin Endocrinol Metab.* 2015;100:3607-12.
- 119) Klonoff DC, Lias C, Beck S, Parkes JL, Kovatchev B, Vigersky RA, Guillermo A-R, Burk RD, Kowalski A, Little R, Nichols J, Petersen M, Rawlings K, Sacks DB, Sampson E, Scott S, Seley JJ, Slingerland R, Vesper HW. Development of the Diabetes Technology Society blood glucose monitor system surveillance protocol. *J Diabetes Sci Technol* 2016;10(3):697-707.
- 120) Johnson DP, Lind C, Parker SES, Beuschel C, VanVliet S, Nichols JH, Rauch CA, Lee B, Meuthing SE. Toward High Value Care: A quality improvement initiative to reduce unnecessary repeat complete blood counts and basic metabolic panels on a pediatric hospitalist service. *Hosp Pediatr* 2016;6:1-8.
- 121) Wienczek J, Nichols JH. Issues in the practical implementation of POCT: Overcoming challenges. *Expert Rev Mol Diagn* 2016;16(4):415-22.
- 122) Nichols JH, Akselrod S, Bowman CF, Dyer KW, Hardy MI, Jacobs E, Kaplanis B, Landree L, Petisce JR, Snyder AE, Thomas M, Wyer LA, Yancy J, Zucker ML. Use of glucose meters for critically ill patients. POCT17. ISBN 1-56238-929-7. CLSI Wayne, PA. 2016;36(4):1-13.
- 123) Liang Y, Wanderer J, Nichols JH, Klonoff D, Rice MJ. Blood gas analyzer glucose meter accuracy. *Mayo Clin Proc* 2017;92(7):1030-41.
- 124) Wienczek JR, Booth GS, Nichols JH. A primed pregnancy screen. *Clin Chem* 2017;63(8):1423-4.
- 125) Wienczek JR, Bowman D, Adams B, Sussman C, Sephel G, Linton MF, Nichols JH, Woodworth A. Falsely decreased carbon dioxide in patients with hypertriglyceridemia. *J Appl Lab Med* 2017;2(1):123-5.
- 126) Hernandez, JA, Stanford JE, Savoie CV, Nichols JH, Colby JM. Spuriously elevated 25-hydroxyvitamin D in lithium heparin plasma samples transported by courier. *J Appl Lab Med* 2018;2(5):809-11.
- 127) Nichols JH, Hernandez J, Stanford JE, Colby JM. A protocol to validate specimen collection tubes without requiring IRB approval. *J Appl Lab Med* 2018;2(5):819-21.
- 128) Wienczek JR, Nichols JH. Impact of ambient seasonal temperature on specimens stored in courier lock-boxes. *J Appl Lab Med* 2018;2(6):973-6.

Refereed Papers: (Continued)

- 129) Wienczek JR, Dietzen DJ, Murray T, Dawling S, Colby JM, Nichols JH. Persistently increased alloisoleucine in a patient with seizures. *Clin Chem* 2018;64(10):1433-7.
- 130) Klonoff D, Parkes JL, Kovatchev B, Kerr D, Bevier WC, Brazg RL, Christensen M, Bailey TS, Nichols JH, Kohn MA. Investigation of the accuracy of 18 marketed blood glucose monitors. *Diabetes Care* 2018;41(8):1681-8.
- 131) IFCC Working Group GMECC; Bowman C, Cunningham S, Slingerland R, Mesotten D, Karon BS, Nichols J. How should glucose meters be evaluated in critical care. International Federation of Clinical Chemistry and Laboratory Medicine. 2017, pp 48.
- 132) National Academies of Sciences Engineering and Medicine. Returning Individual Research Results to Participants: Guidance for a New Research Paradigm. Committee on Return of Individual-Specific Research Results Generated in Research Laboratories; Board on Health Sciences Policy; Health and Medicine Division: Botkin JR, Appelbaum PS, Bakken S, Brown D, Burke W, Fabsitz R, Gamble VN, Gonsalves G, Kost R, Leonard DB, McGuire A, Nichols JH, Patrick-Lake B, Wilkins CH, Zikmund-Fisher BJ. National Academies Press 2018, pp 380.
- 133) Whitehead NS, Williams L, Meleth S, Kennedy S, Ubaka-Blackmoore N, Kanter M, O’Leary KJ, Classen D, Jackson B, Murphy DR, Nichols JH, Stockwell D, Lorey T, Singh R, Epner P, Taylor J, Graber ML. The effect of laboratory-test-based clinical decision support tools on medication errors and adverse drug events: A Laboratory Medicine Best Practices systematic review. *J Appl Lab Med* 2019;3(6):1035-48.
- 134) Rutherford NJ, Hughes CE, Odinkemelu D, Sephel GC, Nichols JH, Shanjani-Yi Z. Suspected renal impairment following isopropanol ingestion. *J Appl Lab Med* 2019;4(3):451-4.
- 135) Whitehead NS, Williams LO, Meleth SM, Ubaka-Blackmoore N, Geaghan SM, Nichols JH, Carroll P, McEvoy MT, Gayken J, Ernst DJ, Litwin C, Epner P, Taylor J, Graber ML. Interventions to prevent iatrogenic anemia: A Laboratory Medicine Best Practices systematic review. *Crit Care* 2019 Aug 9;23(1):278-89.
- 136) Nichols JH, Stine VG, Forsman RW, Hilborne LH, Passiment EB, Radensky P, Root CB, Stein E. What the Protecting Access to Medicare Act means for clinical laboratories. *Clin Chem* 2019;65(6):727-32.
- 137) Han J, Nichols JH, Rice M, Klonoff DC. The end of the road for the YSI2300 analyzer: Where do we go now? *J Diabetes Sci Technol* 2020;14(3):595-600.
- 138) Han J, Heinemann L, Ginsberg BH, Alva S, Appel M, Bess S, Chen KY, Freckmann G, Harris DR, Hartwig M, Hinzmann R, Kerr D, Krouwer J, Morrow L, Nichols J, Pfützner A, Pleus S, Rice M, Sacks DB, Schleuter K, Vesper HW, Klonoff DC. The YSI2300 analyzer replacement meeting report. *J Diabetes Sci Technol* 2020;14(3):679-86.

Refereed Papers: (Continued)

- 139) Bowman C, Nichols JH. Comparison of accuracy guidelines for hospital-use glucose meters. *J Diabetes Sci Technol* 2020;14(3):546-52.
- 140) Nichols JH, Alter D, Chen Y, Isbell TS, Jacobs E, Moore N, Shajani-Yi S. AACC guidance document on management of point-of-care testing. *J Appl Lab Med* 2020;5(4):762-87.
- 141) Nichols JH, Rauch CA. A laboratory risk assessment during the coronavirus (COVID-19) pandemic. *J Appl Lab Med* 2020;5(4):808-11.
- 142) Galindo RJ, Umpierrez GE, Rushakoff RJ, Basu A, Lohnes S, Nichols JH, Spanakis EK, Espinoza J, Palermo NE, Awadje DG, Bak L, Buckingham B, Cook CB, Freckmann G, Heinemann L, Hovorka R, Mathioudakis N, Newman T, O'Neal DN, Rickert M, Sacks DB, Seley JJ, Wallia A, Shang T, Zhang JY, Han J, Klonoff DC. Continuous glucose monitors and automated insulin dosing systems in the hospital consensus guideline. *J Diabetes Sci Technol* 2020;14(6):1035-64.
- 143) Ayala-Lopez N, Nichols JH. Benefits and risks of direct-to-consumer testing. *Arch Pathol Lab Med* 2020;144(10):1193-8.
- 144) Nichols JH. The nursing laboratory partnership in point-of-care testing. *AAFP-PT POL Insight*. 2020.
- 145) Tworek JA, Brown RW, Nichols JH. B-type natriuretic peptide (BNP) or N-terminal-proBNP (NT-proBNP) for clinicians. CAP Lab Test Ordering Program. Revised February 12, 2021. [https://www.cap.org/member-resources/test-ordering-program/b-type-natriuretic-peptide-\(bnp\)-or-n-terminal-probnp-\(nt-probnp\)](https://www.cap.org/member-resources/test-ordering-program/b-type-natriuretic-peptide-(bnp)-or-n-terminal-probnp-(nt-probnp)) (accessed 12/2021)
- 146) Freckmann G, Nichols JH, Hinzman R, Klonoff DC, Ju Y, Diem P, Makris K, Slingerland RJ. Standardization process of continuous glucose monitoring: Traceability and performance. *Clin Chim Acta* 2021;515:5-12.
- 147) Nichols JH. Utilizing point-of-care testing to optimize patient care. *EJIFCC* 2021;32(2):140-4.
- 148) Nichols JH, Brandler ES, Fantz CR, Fisher K, Goodman MD, Headden G, Hoppensteadt D, Matika R, Peacock WF, Rodrigo J, Schützenmeister A, Swanson JR, Canada-Vilalta C, Miles G, Tran N. A multicenter evaluation of a point-of-care blood glucose meter system in critically ill patients. *J Appl Lab Med* 2021;6(4):820-33.
- 149) Desiere F, Kowalik K, Fassbind C, Assaad RS, Füzéry AK, Gruson D, Heydlauf M, Kotani K, Nichols JH, Uygun ZO, Gouget B. Digital diagnostics and mobile health in laboratory medicine: An International Federation of Clinical Chemistry and Laboratory Medicine survey on current practice and future perspectives. *J Appl Lab Med* 2021;6(4):969-79.

Refereed Papers: (Continued)

- 150) Feldhammer M, Brown M, Colby J, Bryskin J, Milstid B, Nichols JH. Survey of sigma metrics across three academic medical centers. *J Appl Lab Med* 2021;6(5):1264-75.
- 151) Nichols JH, Cambridge A, Sanchez N, Marshall D. Clinical validation of a novel quality management system for a blood gas, electrolyte, metabolite and CO-Oximetry testing system. *J Appl Lab Med* 2021;6(6):1396-408.
- 152) Nguyen KT, Xu NY, Zhang JY, Shang T, Basu A, Bergenstal RM, Castorino K, Chen KY, Kerr D, Koliwad SK, Laffel LM, Mathioudakis N, Midyett LK, Miller JD, Nichols JH, Pasquel FJ, Prahalad P, Prausnitz MR, Seley JJ, Sherr JL, Spanakis EK, Umpierrez GE, Wallia A, Klonoff DC. Continuous ketone monitoring consensus report 2021. *J Diabetes Sci Technol* 2021 (online ahead of print)
- 153) Nichols JH, Brown RW. Lipase in the diagnosis of acute pancreatitis. CAP Test Ordering Program. June 29, 2021. <https://www.cap.org/member-resources/test-ordering-program/lipase-in-the-diagnosis-of-acute-pancreatitis> (accessed 12/2021)

Non-peer reviewed articles:

- 1) Nichols JH. Drug testing of health professionals. (Mar. 1994), *Forensic Urine Drug Testing Newsletter*, An AACC Educational Newsletter for Laboratories, 6-8.
- 2) Nichols JH. New product evaluation: Visualine II™ test kits for urine drugs of Abuse. *AACC TDM and Clin Tox Division Newsletter*, 1995;10:4-5.
- 3) Nichols JH. At the bedside:Data management's role in point-of-care testing. *Advance Administrators Lab* 1997;6:8-12.
- 4) Nichols JH. POCT: A viable solution to turnaround time delays? *MLO* 1998;30 (Suppl);4-5.
- 5) Nichols JH. The Johns Hopkins point-of-care testing program. *Turn-Around Times, AACC POCT Division Newsletter* 1999;2:3.
- 6) Chance JJ, Nichols JH. Point-of-Care glucose testing: A look at now and a preview of the future. *Clin Lab News* 1999;25:10-11.
- 7) Nichols JH. Meconium testing for drugs. *AACC TDM and Clin Tox Division Newsletter*, 1999;14:5,8.
- 8) Kuzdzal S, Nichols JH. Blurring lab boundaries. *Advance Administrators Lab* 1999;8(12):29-34.
- 9) Nichols JH. Frontiers in point-of-care testing: Into the next millenium. *Advance Administrators Lab* 2000;9(5):10-2.
- 10) Nichols JH, Rainey P. Point-of-care testing: Does speed really improve patient outcome? *AACC TDM and Clin Tox Division Newsletter*, 2000;15(2):1-2.
- 11) Clarke W, Nichols JH. Future directions in clinical chemistry. *Advance Administrators Lab* 2000;9(2):27-9.
- 12) Nichols JH. POC connectivity concepts: The need for a common standard. *Advance Administrators Lab* 2001;10(1)17.
- 13) Saltz J, Taylor M, Nichols JH. Point-of-care testing into the new millennium. *Advance Administrators Lab* 2001;10(1):8-9.
- 14) Nichols JH. Point-of-care testing: Is faster really better? *Path Points*, Summer 2001; 3(2):3-4.
- 15) Nichols JH. Industry Perspective: The Connectivity Industry Consortium. *Outpatient Care Technology*, June/July 2001:29,61

Non-peer reviewed articles: (Continued)

- 16) Nichols JH. Connectivity Industry Consortium update: The standard for point-of-care connectivity. *Medical Records Institute Health IT Advisory Report*. 2001;2(8):18-21.
- 17) Nichols, JH. Clinical chemistry forges forward. *Advance Administrators Lab* 2001;19(12):23-7.
- 18) Nichols JH. At the bedside: Automation and point-of-care testing. *Advance Administrators Lab* 2002;11(1):8-10.
- 19) Nichols JH. The Future of Point-of-Care Testing. *Advance e-Newsletter for Administrators Lab*. September 2002.
- 20) Nichols JH. Blood glucose testing in acute and chronic care facilities. *Advance Administrators Lab* 2002;11(4):28-32.
- 21) Nichols JH. Evidence-based medicine and point-of-care testing. *Blood Gas News* October 2002. <http://www.bloodgas.org/evidencebased>
- 22) Nichols JH. A 2002 review of clinical chemistry. *Advance Administrators Lab* 2002;11(12):31-2.
- 23) Nichols JH. NACB is developing practice guidelines for point-of-care drug testing. *Therapeutics & Toxins News, AACC TDM/Clinical Toxicology Division Newsletter*. 2002;17(3):7.
- 24) Nichols JH. Evidence-based medicine and POCT. *Advance Administrators Lab* 2003;12(6):10-2.
- 25) Nichols JH. Roles expand in clinical chemistry. *Advance Administrators Lab* 2003;12(12):30-5.
- 26) Karim S, Lincoln T, Nichols JH. Methadone monitoring. *Therapeutics & Toxins News* 2004;19(1):1-4.
- 27) Nichols JH. POCT data mining – An introduction *Blood Gas News* 2005 [POCT data mining – a practical approach \(acutecaretesting.org\)](http://www.acutecaretesting.org) (Accessed 1/2022)
- 28) Nichols JH. Time for the gold standard in diabetes screening. *Business briefing: North American Pharmacotherapy* 2005:2-4.
- 29) Nichols JH. Appropriate POCT Glucose Methods. *Advance Administrators Lab* 2006;15(1):10-1.

Non-peer reviewed articles: (Continued)

- 30) Nichols JH. Evidence based practice for point of care testing: A National Academy of Clinical Biochemistry Laboratory Medicine Practice Guideline. *Blood Gas News* July 2006
- 31) Nichols JH. Testing location important when interpreting laboratory results. *BRL News* Fall 2007:Issue 1;2.
- 32) Rauch CA, Nichols JH, Friedberg RC. BRL requirements for labeling specimens. *BRL News* Spring 2008;Issue 2;3.
- 33) Nichols JH. POCT challenges for the EMR. *Advance Administrators Lab* 2008;17(7):47-9.
- 34) Nichols JH. BRL automation helps reduce errors. *BRL News* Fall 2008:Issue 3;2.
- 35) Nichols JH. The future of POCT: Wireless connectivity. *Washington G-2 Reports*. 09/23/2008.
- 36) Nichols JH. The controversy surrounding vitamin D lab testing. *Washington G-2 Reports*. 11/13/08.
- 37) Habib C, Nichols JH. Vitamin D deficiency testing. *BRL News* January 2010;Issue 5;4.
- 38) Nichols JH. Lab QC by Risk Management. *Advance Administrators Lab*. May 2011
- 39) Prieto-Granada C, Nichols JH. Growth of POCT. *Advance Administrators Lab* 2011;20(3):14-9.
- 40) Saunders P, Nichols JH. Sources of error in POCT. *Advance Medical Lab Professionals*. 2012;24(3):8-9,16.
- 41) Nichols J. Developing quality control strategies based on risk management: The CLSI EP23 guideline. *Acute Care Testing* September 2013.
<http://acutecaretesting.org/en/articles/developing-quality-control-strategies-based-on-risk-management> (Accessed 1/2022)
- 42) Nichols JH. Glucose Meters in Critically Ill Patients. *Bench Matters Clinical Laboratory News*. May 15, 2015.
<https://www.aacc.org/publications/cln/articles/2015/may/glucose-meters-in-critically-ill-patients-what-new-guidance-means-for-labs> (accessed 1/2022)
- 43) Nichols JH. What Will Red Tape Mean for LDTs? *The Pathologist*. February 2016.
<https://thepathologist.com/issues/0116/what-will-red-tape-mean-for-ldts/> (accessed 1/2022)

- 44) Nichols JH. Variations on a drop. The Pathologist. April 2016.
<https://thepathologist.com/issues/0316/variations-on-a-drop/>
(accessed 1/2022)
- 45) Ayala-Lopez N, Nichols JH. New frontiers in Point-of-Care Testing. MedLab Magazine.
Jan 18, 2020. <https://insights.omnia-health.com/print/851> (accessed 1/2022)

Book Chapters:

- 1) Nichols JH. Mass Spectrometry, Chapter 16 in Haven MC, Tetrault GA and Schenken JR. editors, Laboratory Instrumentation, 4th Edition, Von Nostrand Reinhold, New York, 1995. pp. 285-309.
- 2) Nichols JH. “Cost Analysis of Point-of-Care Laboratory Testing” in Weinstein RS, editor. Advances in Pathology and Laboratory Medicine. Volume 9. Mosby-Year Book, Inc. St. Louis, MO. 1996, pp. 121-33.
- 3) Li D, Nichols JH. Chapter 3 “Analytical Issues in Clinical toxicology”, in Medical Toxicology Self-Study. American Association for Clinical Chemistry Press, Washington, DC. 1998, pp 51- 65.
- 4) Nichols JH, Meeker J, Wolf BA. Chapter 6 “Volatile Agents”, in Medical Toxicology Self-Study. American Association for Clinical Chemistry Press, Washington, DC. 1998, pp. 169-203.
- 5) Moyer TP, Smith ML, Levine B, Miller-Canfield P, Nichols JH, Warner A, Pesce A. Chapter 7, “Environmental Poisons”, in Medical Toxicology Self-Study. American Association for Clinical Chemistry Press, Washington, DC. 1998, pp. 205-246.
- 6) Nichols JH. Chapter 11, “Point- of-Care Testing”, in Dufour R, editor, Professional Practice in Clinical Chemistry: A Review. AACC Press, Washington, DC. 1999, pp. 1-9.
- 7) Nichols JH. Chapter 50 “Point-of-Care Testing”, in Wild D, editor, The Immunoassay Handbook 2nd Edition, Nature Publishing, London, UK 2001, pp 448-57.
- 8) Kuzdzal S, Nichols JH. Chapter 16, “Visualine Tests for Drugs of Abuse”, in Jenkins AJ, Goldberger BA, editors, Forensic Science: Onsite Drug Testing. Humana Press Inc., Totowa, NJ, 2002, pp 213-8.
- 9) Nichols JH. Chapter 12, “Bedside Testing, Glucose Monitoring and Diabetes Management Principles and Practice of Point of Care Testing”, in Kost GJ, editor, Lippencott Williams & Wilkins, New York, NY, 2002, pp 194-213.
- 10) Nichols JH. Chapter 13, “Point-of-Care Testing”, in Lewandrowski K, editor, Clinical Chemistry: Laboratory Management and Clinical Correlation. Lippincott, Williams & Wilkins, New York, NY. 2002 pp 175-94.
- 11) Nichols JH. Chapter 1, “Point-of-care Testing” in Nichols JH, editor, Point-of-care Testing: Performance Improvement and Evidence-Based Outcomes. Marcel Dekker. New York, NY. 2003 pp 1-29.

Book Chapters: (Continued)

- 12) Nichols JH, Lacy T. Chapter 19, “Neuroleptic (Anti-Psychotic) Drugs” in Levine B, editor, Principles of Forensic Toxicology, 2nd edition. 2003, pp 315-26.
- 13) Nichols JH. Chapter 43, “Point-of-Care Testing”, in Wild D., editor, The Immunoassay Handbook 3rd Edition, Elsevier, Amsterdam, The Netherlands 2005, pp 472-82.
- 14) Nichols JH. Chapter 1, “Preanalytical Variation” in Clarke W and Dufour RD, editors, Contemporary Practice in Clinical Chemistry, AACC Press, Washington DC. 2006, pp 1-12.
- 15) Nichols JH. Chapter 16, “Point of Care Testing”, in Clarke W and Dufour RD, editors, Contemporary Practice in Clinical Chemistry, AACC Press, Washington DC. 2006, pp 183-96.
- 16) Nichols JH. Chapter 3, “Point-of-Care Testing Quality Management, the POC Coordinator and Alternative Quality Control”, in Charuruks N and Kost GJ, editors, POCT for Thailand. Thai Society of Clinical Pathology, Bangkok, Thailand. 2006, pp 43-62.
- 17) Nichols JH. Chapter 5, “Verification of Method Performance for Clinical Laboratories”, in Makowski GS, editor, Advances in Clinical Chemistry, Volume 47, Elsevier, London, U.K. 2009, pp 121-37.
- 18) Habib D, Hollowell ML, Nichols JH. Chapter 22, “Therapeutic Drugs III: Neuroleptics (Antipsychotics)”, in Levine B, editor, Principles of Forensic Toxicology, 3rd edition. 2009, pp 373-85.
- 19) Nichols JH. Chapter 21, “Point-of-Care Testing”, in Kaplan LA, Pesce AJ, Kazmierczak SC, editors, Clinical Chemistry, Fifth Edition. Mosby, St. Louis, MO. 2009, pp 379-93.
- 20) Setia N, Nichols JH. “Preanalytical Variation in Clinical Laboratory Testing” in Meyers RA, editor, Encyclopedia of Analytical Chemistry. John Wiley and Sons, Chichester, U.K. 2009, 9 pages.
- 21) Nichols JH. Chapter 1, “Preanalytical Variation” in Clarke W and Dufour RD, editors, Contemporary Practice in Clinical Chemistry, AACC Press, Washington DC. 2011, pp 1-12.
- 22) Meyers WG, Nichols JH. Chapter 5, “Quality Control”, in Clarke W and Dufour RD, editors, Contemporary Practice in Clinical Chemistry, AACC Press, Washington DC. 2011, pp. 57-72.

Book Chapters: (Continued)

- 23) Nichols JH. Chapter 18, “Point of Care Testing”, in Clarke W and Dufour RD, editors, Contemporary Practice in Clinical Chemistry, AACC Press, Washington DC. 2011, pp 219-32.
- 24) Nichols JH. Chapter 2, “Quality Assurance of Point-of-Care and On-Site Drug Testing”, in Bogusz MJ, editor. Quality Assurance in the Pathology Laboratory: Forensic, Ethical, and Technical Aspects. CRC Press, Boca Raton, FL. 2011, pp 15-44.
- 25) Nichols JH. Chapter 15, “Agents for the Treatment of Psychosis and Bipolar Disorders”, in Kwong T, Magnani B, Rosano TG, and Shaw L, editors, The Clinical Toxicology Laboratory: Contemporary Practice of Poisoning Evaluation, AACC Press, Washington DC. 2013, pp 217-34.
- 26) Nichols JH. Part 6.3, “Point-of-Care Testing”, in Wild D., editor, The Immunoassay Handbook 4th Edition, Elsevier, Amsterdam, The Netherlands 2013, pp 455-68.
- 27) Laposata M, Nichols JH, Steele P, Stricker TP. Chapter 2, “Methods”, in Laposata M., editor, Laboratory Medicine: The Diagnosis of Disease in the Clinical Laboratory 2nd Edition, McGraw Hill Education, New York, NY. 2014, pp. 13-60.
- 28) Nichols JH, Dawling SP, Laposata M. Chapter 6, “Toxicology”, in Laposata M., editor, Laboratory Medicine: The Diagnosis of Disease in the Clinical Laboratory 2nd Edition, McGraw Hill Education, New York, NY. 2014, pp 159-84.
- 29) Rust MJ, Njoroge SW, Nichols JH, Louie RF. Chapter 27, “Feasibility of a Thermomodulating Container to Protect Devices and Reagents from Adverse Weather Conditions”, in Kost GJ and Curtis CM, editors, Global Point-of-Care: Strategies for Disasters, Emergencies, and Public Health Resilience. AACC Press, Washington, DC. 2015, pp. 317-26.
- 30) Nichols JH, Rauch CA. Chapter 4, “Clinical Chemistry”, in Clinical Diagnostic Tests: How to Avoid Errors in Ordering Tests and Interpreting Results. Demos Medical, New York, NY. 2016, pp. 143-90.
- 31) Nichols JH. Chapter 1, “Preanalytical Variation” in Clarke W, editor, Contemporary Practice in Clinical Chemistry, 3rd Edition. AACC Press, Washington DC. 2016
- 32) Meyers WG, Nichols JH. Chapter 5, “Quality Control”, in Clarke W, editor, Contemporary Practice in Clinical Chemistry, 3rd Edition. AACC Press, Washington DC. 2016.
- 33) Nichols JH. Chapter 18, “Point of Care Testing”, in Clarke W, editor, Contemporary Practice in Clinical Chemistry, 3rd Edition. AACC Press, Washington DC. 2016.

Book Chapters: (Continued)

- 34) Wiencek JR, Colby JM, Nichols JH. Chapter 5, “Rapid Assessment of Drugs of Abuse”, in Makowski GS, editor, Advances in Clinical Chemistry, Volume 80, Academic Press, Cambridge, MA. 2017, pp 193-225.
- 35) Nichols JH. Chapter 40. “How to Achieve Quality for POCT through Risk Management” “Erreichung von Qualität in der POCT-Diagnostik durch Risikomanagement” in Luppia PB and Junker R, Hrsg, POCT – Patientennaha Labordiagnostik, 3. Auflage. Springer-Verlag GmbH Deutschland. 2017, pp. 395-413.
- 36) Laposata M, Nichols JH, Steele P, Stricker TP, Sarkar MK. Chapter 2, “Methods”, in Laposata M., editor, Laboratory Medicine: Diagnosis of Disease in the Clinical Laboratory, 3rd Edition, McGraw Hill Education, New York, NY. 2019, pp 19-71.
- 37) Nichols JH, Rutherford NJ, Laposata M. Chapter 6, “Toxicology”, in Laposata M., editor, Laboratory Medicine: The Diagnosis of Disease in the Clinical Laboratory, 3rd Edition, McGraw Hill Education, New York, NY. 2019, pp 177-203.
- 38) Nichols JH. Chapter 28, “Neuroleptics”, in Levine BS and Kerrigan S, editors, Principles of Forensic Toxicology, 5th Edition, Springer Nature, Cham, Switzerland. 2020, pp 511-22.
- 39) Shajani-Yi Z, Nichols JH. Chapter 1, “Preanalytical Variation”, in Clarke W, Marzinke M, editors, Contemporary Practice in Clinical Chemistry, 4th Edition. Academic Press, Elsevier, London, UK. 2020, pp 1-14.
- 40) Miller WG, Nichols JH. Chapter 5, “Quality Control”, in Clarke W, Marzinke M, editors, Contemporary Practice in Clinical Chemistry, 4th Edition. Academic Press, Elsevier, London, UK. 2020, pp 77-96.
- 41) Nichols JH. Chapter 19, “Point-of-Care-Testing”, in Clarke W, Marzinke M, editors, Contemporary Practice in Clinical Chemistry, 4th Edition. Academic Press, Elsevier, London, UK. 2020, pp 323-337.
- 42) Hashim I, Spencer CA, Nichols JH, Wu AHB. Chapter 12, “Endocrinology”, in Self-Assessment Q & A in Clinical Laboratory Science, III. Elsevier, London, UK. 2021:131-138. <https://doi.org/10.1016/B978-0-12-822093-1.00012-0> (Accessed 12/2021)
- 43) Nichols JH, Betz R, Lindholm PF. Chapter, “Preanalytic Variation”, in Brown RW, editor, Quality Management in Clinical Laboratories: Providing Value through Continuous Improvement. College of American Pathologists, Northfield, IL. (submitted)

Book Chapters: (Continued)

- 44) Nichols, JH. Chapter, “Analytic Variation”, in Brown RW, editor, Quality Management in Clinical Laboratories: Providing Value through Continuous Improvement. College of American Pathologists, Northfield, IL. (*submitted*)

Invited Editorials and Peer Editorials of Manuscripts:

- 1) Nichols JH. Analysis: Limitations of point-of-care testing. *Diabetes Technol Ther* 2000;2(3):363-5.
- 2) Nichols, JH. The Connectivity Industry Consortium: One year after. *Point of Care* 2002;1(2):109-10.
- 3) Nichols, JH. Analysis: Interpreting method evaluations. *Diabetes Technol Ther* 2002;4(5):623-5.
- 4) Nichols JH. Point-of-care testing data management. *Point of Care* 2004;3(1):8-10.
- 5) Nichols JH. Analysis: The evolution of glucose meters. *Diabetes Technol Ther* 2005;7(2):295-7.
- 6) Nichols JH. What is accuracy and how close must the agreement be? *Diabetes Technol Ther* 2005;7(3):558-62.
- 7) Nichols JH. Alternative versus equivalent quality control? *Point of Care* 2005;4(3):105-7.
- 8) Nichols JH. Medical errors: Can we achieve an error-free system? *Point of Care* 2005;4(4):139-1.
- 9) Nichols JH. What is the appropriate reference interval for glucose? *Point of Care* 2006;5(2):49-51.
- 10) Nichols JH, Klonoff DC. The need for performance standards for continuous glucose monitors. *J Diabetes Sci Technol* 2007;1(1):92-5.
- 11) Nichols JH. The NACB Laboratory Medicine Practice Guidelines: Evidence based practice for POCT. *Point of Care* 2007;6(4):213-4.
- 12) Nichols JH. Three wishes for the future of point-of-care testing. *Point of Care* 2008;7(3):91-3.

Invited Editorials and Peer Editorials of Manuscripts: (Continued)

- 13) Nichols JH. Point-of-care testing in the middle east. *Point of Care* 2008;7(4):221-2.
- 14) Nichols JH. The future of point-of-care testing. *Point of Care* 2008;7(4):271-3.
- 15) Hammett-Stabler CA, Nichols JH. Point-of-care testing, a critical component of laboratory medicine. *Clin Biochem* 2008;42(3):135.
- 16) Nichols JH. Impact of an economic recession on point-of-care testing. *Point of Care* 2009;8(4):139-40.
- 17) Nichols JH. Point-of-care connectivity: Ten years after the connectivity industry consortium. *Point of Care* 2010;9(4):151-4.
- 18) Nichols JH. Risk management for POCT. *Point of Care* 2011;10(4):139-40.
- 19) Nichols JH. A cook's guide to point-of-care testing. *Point of Care* 2013;12(2):59-60.
- 20) Nichols JH. Blood glucose meters; What is next? *Point of Care* 2014;13(3):77-8.
- 21) Nichols JH. Point-of-care testing; Past Experience and Future Challenges. *Point of Care* 2015;14(4):103-5.
- 22) Nichols JH. Benefits of developing an Individualized Quality Control Plan. *J Appl Lab Med* 2016;1(1):5-8.
- 23) Nichols JH. Commentary on Gau N, Scott MG. Fill in the Gaps: An unresponsive 55-year-old man. *Clin Chem* 2018;64(7):1004-5.
- 24) Nichols JH. Should a hospital streamline its reference ranges for POC and main lab tests? *CAP Today Q&A*. 2019 January;33(1):59.

Books:

Nichols JH (editor). Point-of-Care Testing: Performance Improvement & Evidence-Based Outcomes. Marcel-Dekker, New York, NY. 2003.

Nichols JH (editor). National Academy of Clinical Biochemistry Presents Laboratory Medicine Practice Guidelines: Evidence-Based Practice for Point-of-Care Testing. AACC Press, Washington, DC. 2006.

Nichols JH, Rauch CA. Clinical Chemistry: Quality in Laboratory Diagnosis. ISBN: 978-1-62070-030-3. Laposata M., series editor, Diagnostic Standards of Care. Demos Medical, New York, NY. 2014.

Thesis:

1990 Nichols, JH. Identification, characterization and amino-terminal sequencing of high molecular weight soluble exoantigens of the human malaria parasite, *Plasmodium falciparum*. Doctoral Thesis, University of Illinois. Lowell P. Hager, PhD, Faculty Advisor.

Reviews:

2014 CLSI. Quality system regulation for laboratory-developed tests: A practical guide for the laboratory. CLSI document QSRLDT. Wayne, PA: Clinical and Laboratory Standards Institute; 2014. (Special Reviewer)

Contributed Papers and Abstracts:

- 1) Nichols JH, Burritt MF, Ellefson RD, Schifferdecker K. Simultaneous HPLC determination of free, conjugated and sulfated bile acids. Contributed Paper, 43rd Annual Meeting & Clinical Laboratory Exposition, American Association for Clinical Chemistry. *Clin Chem* 1991;37(6):920.
- 2) Nichols JH, Chezick PA, Lawson GM. Confirmation of urine opiates by GC/MS. Contributed Paper, 44th Annual Meeting & Clinical Laboratory Exposition, American Association for Clinical Chemistry. *Clin Chem* 1992;38(6):1012.
- 3) Nichols JH, Charlson JR, Lawson GM. Plasma fluoxetine and norfluoxetine by automated HPLC. Contributed Paper, 44th Annual Meeting & Clinical Laboratory Exposition, American Association for Clinical Chemistry. *Clin Chem* 1992;38(6):1012.
- 4) Nichols JH. Clinical laboratory evaluation of CSS:Statistica, a statistics package for the personal computer. Contributed Paper, 45th Annual Meeting & Clinical Laboratory Exposition, American Association for Clinical Chemistry. *Clin Chem* 1993;39(6):1224.
- 5) Yoshimura H, McDonald C, Dennis W, Thompson C, Kapke G, Nichols J, Mancini-Flegel C, DiGuiseppe J, Henneberry J, Sgrignoli A, Foster-Swanson A. Performance characteristics of modified CK and phosphorus on BM/Hitachi 747 systems. Contributed Paper, 46th Annual Meeting & Clinical Laboratory Exposition, American Association for Clinical Chemistry. *Clin Chem* 1994;40(6):1050.
- 6) Nichols JH, Howard C, Loman K, Miller C, Nyberg D, Chan DW. Laboratory and bedside evaluation of four portable glucose meters. Contributed Paper, 46th Annual Meeting & Clinical Laboratory Exposition, American Association for Clinical Chemistry. *Clin Chem* 1994;40(6):1063.
- 7) Nichols J, Nyberg D, Humbertson S. A multidisciplinary bedside testing QA model. Contributed Paper, CAP Conference XXVIII with the Joint Commission on Accreditation of Healthcare Organizations, Alternate Site Testing-Venturing Beyond the Boundaries of the Clinical Laboratory. *Arch Pathol Lab Med* 1995;119:969.
- 8) Nichols JH, Harding S, Shiu C, Chan DW, Low A, Tai H, Sun M. Validation of Visualine II test kits for urine drugs of abuse: Cocaine, opiate and THC. Contributed Paper, 47th Annual Meeting & Clinical Laboratory Exposition, American Association for Clinical Chemistry. *Clin Chem* 1995;41(6):S175.

Contributed Papers and Abstracts: (Continued)

- 9) Nichols J, Bertholf R, Hemphill G, McLawhon R, White R, Dorn A, Hurt C, Akers C, Ganser E, Robbins D, Foster-Swanson A. Multi-site evaluation of Boehringer Mannheim liquid-stable enzymatic ethanol reagent. Contributed Paper, 47th Annual Meeting & Clinical Laboratory Exposition, American Association for Clinical Chemistry. *Clin Chem* 1995;41(6):S125.
- 10) Nichols JH, Dunn W, Mancini-Flegel C, Foster-Swanson A, Ng K. Evaluation of CEDIA® therapeutic and abused drugs on the BM/Hitachi 917 system. Contributed Paper, 48th Annual Meeting & Clinical Laboratory Exposition, American Association for Clinical Chemistry. *Clin Chem* 1996;42(6):S212.
- 11) Kroll MH, Nichols JH, Mancini-Flegel C, Dunn W, Ng K, Foster-Swanson A. Throughput performance of the BM/Hitachi 917 analyzer. Contributed Paper, 48th Annual Meeting & Clinical Laboratory Exposition, American Association for Clinical Chemistry. *Clin Chem* 1996;42(6):S271.
- 12) Sokoll LJ, Nichols JH. Evaluation of a HemoCue® blood hemoglobin photometer with data management functions. Contributed Paper, 48th Annual Meeting & Clinical Laboratory Exposition, American Association for Clinical Chemistry. *Clin Chem* 1996;42(6):S191.
- 13) Steinberg DM, Sokoll LJ, Bowles KC, Nichols JH, Roberts R, Schultheis SK, O'Donnell CM. Clinical evaluation of Toxi-Prep® solid-phase extraction (SPE) system for screening and confirmation of drugs in urine. Contributed Paper, 48th Annual Meeting & Clinical Laboratory Exposition, American Association for Clinical Chemistry. *Clin Chem* 1996;42(6):S211-2.
- 14) Nichols JH, Bertholf R, Hemphill G, McLawhon R, White R, Dorn A, Foster Swanson A. Multi-site evaluation of Boehringer Mannheim liquid-stable enzymatic ethanol reagent". Abstract A408, XVI International Congress of Clinical Chemistry. 1996.
- 15) Nichols JH, Dunn W, Mancini-Flegel C, Foster-Swanson A, Ng K. Evaluation of CEDIA® therapeutic and abused drugs on the BM/Hitachi 917 System". Abstract A309, XVI International Congress of Clinical Chemistry. 1996.
- 16) Li D, Nichols JH. Evaluation of five glucose meters with data management capabilities. Contributed Paper, 49th Annual Meeting & Clinical Laboratory Exposition, American Association for Clinical Chemistry. *Clin Chem* 1997;43(S6):S162.

Contributed Papers and Abstracts: (Continued)

- 17) Sokoll LJ, Engelstad ME, Nichols JH, Horton C. Technical validation of the SensiCath in-line arterial blood gas monitor. Contributed Paper, 49th Annual Meeting & Clinical Laboratory Exposition, American Association for Clinical Chemistry. *Clin Chem* 1997;43(S6):S165.
- 18) Nichols JH, Engelstad ME, Li D, Silberman M, Sokoll LJ. Laboratory evaluation of the SenDx100 portable blood gas and electrolyte analyzer. Contributed Paper, 49th Annual Meeting & Clinical Laboratory Exposition, American Association for Clinical Chemistry. *Clin Chem* 1997;43(S6):S165-6.
- 19) Nichols JH, Dyer K, Li D, Nyberg D, Sokoll LJ, Charache P. Use of quality indicators to monitor performance and outcomes of a near-patient testing program. Abstract 10. Clinical Lab Management Association, Integrating Point-of-Care Testing with Continuity of Care: Effects on Outcome. Philadelphia, PA. Sept 19-20, 1997.
- 20) Li D, Nichols JH. Evaluation of five glucose meters with data management capabilities. Abstract 11. Clinical Lab Management Association, Integrating Point-of-Care Testing with Continuity of Care: Effects on Outcome. Philadelphia, PA. Sept 19-20, 1997.
- 21) Nichols J, Harding S, Howard C, Shiu KC, Sun A, Bompadre M, Sun M. Visualine II tests for point-of-care DAU. Abstract 167. 5th International Congress of Therapeutic Drug Monitoring and Clinical Toxicology. Vancouver, B.C. Nov 10 - 14, 1997.
- 22) Nichols J, Howard C, Morgan C, Chan D, Johnson K, Burdick J. Clinical utility of the IMx® tacrolimus II (FK506) assay. Abstract 061. 5th International Congress of Therapeutic Drug Monitoring and Clinical Toxicology. Vancouver, B.C. Nov. 10-14, 1997.
- 23) Chance JJ, Li DJ, Jones KA, Nichols JH. Comparison of five glucose meters with laboratory methods. Contributed Paper, 50th Annual Meeting & Clinical Laboratory Exposition, American Association for Clinical Chemistry. *Clin Chem* 1998;44(S6):A68.
- 24) Smalley DL, McClary D, Odenbrett R, Sokoll L, Nichols JH. Multi-site evaluation of the BMC Elecsys 2010 digoxin assay. Contributed Paper, 50th Annual Meeting & Clinical Laboratory Exposition, American Association for Clinical Chemistry. *Clin Chem* 1998;44(S6):A105.
- 25) Nichols JH, Bowles K, Bruton D, Dworschack R. Validation of the Roche Abuscreen OnLine® drugs of abuse reagents on the Roche/Hitachi 917 analyzer. Contributed Paper, 51st Annual Meeting & Clinical Laboratory Exposition, American Association for Clinical Chemistry. *Clin Chem* 1999;45(S6):A125

Contributed Papers and Abstracts: (Continued)

- 26) Domke I, Boettcher M, Haenseler E, Hoke C, Nichols J, Raab D. Precision and comparability of Abuscreen® Online assays for drugs of abuse screening in urine on Hitachi 917 and other immunochemical tests and with GC/MS. Contributed Paper, 51st Annual Meeting & Clinical Laboratory Exposition, American Association for Clinical Chemistry. *Clin Chem* 1999;45(S6):A121.
- 27) Chance JJ, Kuzdzal SA, Nichols JH. Correlation of the SenDx 100 blood gas/electrolyte analyzer with the Chiron 865. Contributed Paper, 51st Annual Meeting & Clinical Laboratory Exposition, American Association for Clinical Chemistry. *Clin Chem* 1999;45(S6):A29.
- 28) Kuzdzal SA, Nichols JH. Comparison of Accu-Chek Comfort Curve plasma glucose test strips to plasma reference methods. Contributed Paper, 51st Annual Meeting & Clinical Laboratory Exposition, American Association for Clinical Chemistry. *Clin Chem* 1999;45(S6):A32.
- 29) Nichols JH, Bowles K, Bruton D. Validation of Roche OnLine DAU Reagents on the Hitachi 917 analyzer. Contributed Paper, 6th International Congress of Therapeutic Drug Monitoring and Clinical Toxicology. Cairns, Australia. Sept 13 - 17, 1999.
- 30) Nichols JH, McCoy M, Murakami J. Consolidation in the Drug Assay Laboratory through the use of alternative reagents on the Hitachi 917 analyzer. Contributed Paper, 6th International Congress of Therapeutic Drug Monitoring and Clinical Toxicology. Cairns, Australia. Sept 13 - 17, 1999.
- 31) Boettcher M, Haenseler E, Hoke C, Nichols J, Raab D, Domke I. Precision and comparability of Abuscreen® Online assays for drugs of abuse screening in urine on Hitachi 917 and other immunochemical tests and with GC/MS. Poster. *Clin Lab* 2000;46:49-52.
- 32) Nichols JH, Kickler TS, Dyer KL, Humbertson SK, Cooper PC, Maughan WL, Oeschle DG. Clinical outcomes of point-of-care testing in the cardiovascular diagnostics setting. Contributed Paper, 52nd Annual Meeting & Clinical Laboratory Exposition, American Association for Clinical Chemistry. *Clin Chem* 2000;46(S6):A18.
- 33) Kuzdzal SA, Nichols JH, Lee DM. Comparison of twenty-five second and forty second Accu-Chek comfort curve plasma glucose test strips versus plasma reference methods. Contributed Paper, 52nd Annual Meeting & Clinical Laboratory Exposition, American Association for Clinical Chemistry. *Clin Chem* 2000;46(S6):A8.

Contributed Papers and Abstracts: (Continued)

- 34) Dyer K, Taylor M, Nichols JH, Saltz J. POCT connectivity and data management at Johns Hopkins Medical Institutions. Connecting the Laboratory to the Electronic Medical Record: Issues and Opportunities, National Academy of Clinical Biochemistry and Clinical Laboratory Management Association. Philadelphia, PA, Sept 15-16, 2000.
- 35) Chen ET, Nichols J, Duh S, Hortin G, Gonzalez L. A study of the factors that affect the performance of blood glucose monitoring devices. Contributed Paper, 53rd Annual Meeting & Clinical Laboratory Exposition, American Association for Clinical Chemistry. *Clin Chem* 2001; 47(S6):A189.
- 36) Silverman BC, Clarke W, Kuzdzal SA, Nichols JH. Point-of-care testing for renal transplant patients. Contributed Paper. 53rd Annual Meeting & Clinical Laboratory Exposition, American Association for Clinical Chemistry. *Clin Chem* 2001; 47(S6):A189-90.
- 37) Chen ET, Nichols J, Duh SH, Hortin G. Technical evaluation of four self-monitoring blood glucose meters by a multiple-center study team. Contributed paper. FDA Symposium. Washington, DC. February 20, 2002.
- 38) Chen ET, Nichols J, Duh SH, Hortin G. Approaches for evaluating the performance of blood glucose monitoring devices. Contributed paper. NIH Bioengineering Consortium (BECON) Symposium on "Sensors for Biological Research and Medicine". Bethesda, MD. June 24-25, 2002.
- 39) Moccio R, Bartholomew C, Chiapuzzi C, Lindenauer P, Navab F, Provost M, Nichols JH. Gastrocult: The demise of a point-of-care test. Contributed Paper 54th Annual Meeting and Clinical Laboratory Exposition, American Association for Clinical Chemistry. *Clin Chem* 2002;48(S6):A190.
- 40) Moccio R, Shields J, Rockwell G, Nichols JH. The clinical utility of meconium testing as obtained from a national reference laboratory. Contributed paper 54th Annual Meeting and Clinical Laboratory Exposition. American Association for Clinical Chemistry. *Clin Chem* 2002;48(S6):A43.
- 41) Silverman BC, Clarke W, Dyer KL, Stem JE, Nichols JH, Sokoll LJ. Investigation of animal bloods as alternative sources for point-of-care testing validation materials and controls. Contributed paper 54th Annual Meeting and Clinical Laboratory Exposition. American Association for Clinical Chemistry. *Clin Chem* 2002;48(S6):A192.

Contributed Papers and Abstracts: (Continued)

- 42) Jaryno SA, Zucker ML, El Roubly S, Franks BLM, Nichols J, Anestis K, McRae K, McDuffie S, Marcello D, LaDuca FM. Innovative features of a point of care (POC) coagulation device and data manager: Results of a clinical validation. Contributed paper 19th International Symposium. Critical Care and Point of Care Testing Connecting Technology to Patient Care. International Federation of Clinical Chemistry and Laboratory Medicine and American Association for Clinical Chemistry Critical Care and Point of Care Testing Divisions. Monterey CA, September 12 – 14, 2002.
- 43) Nichols JH, Bartholomew C, Brunton M, Elliot S, McGirr J, Scott S, Seipel J, Sinha D. Sources of barcode scanner failure on POCT devices. Contributed paper 55th Annual Meeting and Clinical Laboratory Exposition. American Association for Clinical Chemistry. *Clin Chem* 2003;49(S6):A147.
- 44) Ashraf MJ, Cook JR, Nichols J, Slawsky M. Comparison between different assays of natriuretic peptides (BNP & proBNP) in patients undergoing CABG surgery. Abstract Presentation. American College of Cardiology '05. March 6 – 9, 2005, Orlando, FL.
- 45) Toben B, Goldsmith B, Nichols J, Toffaletti J, Zucker ML. Diagnostic accuracy of the IRMA Trupoint creatinine assay. Abstract Presentation. 21st International Symposium IFCC/AACC, Refining Point of Care Testing Strategies for Critical and Emergency Care. September 28-30, 2006, Quebec City, Quebec, Canada.
- 46) Nichols JH, Christenson RH, Clarke W, Gronowski A, Hammett-Stabler CA, Jacobs E, Kazmierczak S, Lewandrowski K, Price C, Sacks D, Sautter RL, Shipp G, Sokoll L, Watson I, Winter W, Zucker M. Evidence-based practice for POCT: An NACB Laboratory Medicine Practice Guideline. Abstract Presentation. 21st International Symposium IFCC/AACC, Refining Point of Care Testing Strategies for Critical and Emergency Care. September 28-30, 2006, Quebec City, Quebec, Canada.
- 47) Nichols JH, Karim S, Arabadjief M. Evaluation of QC3: The Radiometer ABL80 FLEX Error Mitigation System. Abstract Presentation. 59th Annual Meeting and Clinical Laboratory Exposition. American Association for Clinical Chemistry. *Clin Chem* 2007;53(S6):A214
- 48) Nichols J, Rajadhyaksha A, Rodriguez M. Evaluation of the HemoCue Glucose 201 Room Temperature Microcuvettes. Abstract Presentation. 59th Annual Meeting and Clinical Laboratory Exposition. American Association for Clinical Chemistry. *Clin Chem* 2007;53(S6):A221.

Contributed Papers and Abstracts: (Continued)

- 49) Nichols J, Rajadhyaksha A, Rodriguez M. Analytical Performance of the EPOC™ Point of Care Blood Analysis System. Abstract Presentation. 22nd International Symposium on Critical and Point of Care Testing: Managing Technology for the benefit of All Populations. American Association for Clinical Chemistry Critical and Point of Care Testing Division and the International Federation of Clinical Chemistry. Barcelona, Spain. September 17 – 20, 2008.
- 50) Nichols J, Rodriguez M. Evaluation of glucose on the EPOC™ Point of Care Blood Analysis System. Abstract Presentation. 2009 Annual Meeting and Clinical Laboratory Exposition. American Association for Clinical Chemistry. *Clin Chem* 2009; 55(S6):A94-5.
- 51) Pantanowitz L, Bozek D, Seipel J, Nichols JH. Reducing patient identification errors related to glucose point of care testing. APIII 2009 Pathology Informatics Conference: Advancing Practice, Instruction, and Innovation through Informatics. Pittsburgh, PA. September 20-23, 2009.
- 52) Lotfi A, Cook J, Nichols J, Schweiger M, Giugliano GR. Plasma Pro Brain Natriuretic Peptide is not a Specific Marker for Transient Myocardial Ischemia but Correlates with Extent of Coronary Artery Disease. *Trancatheter Cardiovascular Therapeutics* 2009. San Francisco September 21-6, 2009.
- 53) Bowman CL, Karon BS, Nichols JH, Hamill TR. College of American Pathologists Point of Care Testing Committee: A True Collaborative Resource. Poster Presentation. *New Directions in Point of Care and Critical Care Testing: Innovation, Controversies, and Partnerships*. American Association for Clinical Chemistry CPOCT Division and International Federation for Clinical Chemistry, Boston, MA. September 22-25, 2010.
- 54) Carlson NA, Rust MJ, Nichols JH. Submitted abstract. Adaptation of a handheld glucose analyzer for use in cold weather point-of-care environment. 37th Annual Northeast Bioengineering Conference. Troy, NY. April 1-3, 2011.
- 55) Langman LJ, Penn HJ, Unold D, Shields J, Nichols JH. Synthetic cannabinoids detected in select “Herbal Incense” products. Oral presentation number O08. 12th International Congress of Therapeutic Drug Monitoring & Clinical Toxicology. Stuttgart, Germany. October 2-6, 2011.
- 56) Johnson D, Lind C, Parker S, VanVliet S, Bueschel C, Nichols J, Rauch C, Lee B, Meuthing S. A successful quality improvement initiative to reduce unnecessary complete blood counts and basic metabolic panels on a pediatric hospitalist service. 20th Institute for Healthcare Improvement (IHI) Scientific Symposium. Abstract accepted for Oral Presentation. Orlando, FL. December 8, 2014.

Contributed Papers and Abstracts: (Continued)

- 57) Njoroge SW, Woodworth A, Field J, Wolfe KA, Zutter MM, Johnson E, Nichols JH. Improving compliance with practice guidelines through changes in physician order sets. American Association for Clinical Chemistry, Atlanta, GA. Selected for oral presentation. Winner Student Poster Contest 2nd Place. July 29, 2015.
- 58) Wienczek JR, Bowman C, Adams B, Sussman C, Sephel G, Linton MR, Colby J, Nichols J, Woodworth A. Critically low carbon dioxide in patients with hyperlipidemia. 68th American Association for Clinical Chemistry Annual Scientific Meeting and Clinical Laboratory Exposition, (Abstract A-259) Philadelphia, PA. August 2, 2016.
- 59) Nichols JH, Colby J, Woodworth A, Wienczek JR. Sigma analysis of automated chemistries over time. 68th American Association for Clinical Chemistry Annual Scientific Meeting and Clinical Laboratory Exposition, (Abstract B-039) Philadelphia, PA. August 3, 2016.
- 60) Nichols JH, Pamidi P. GEM Premier 5000 clinical evaluation. American Association for Clinical Chemistry CPOCT Division and International Federation for Clinical Chemistry conference, The benefits and challenges of point-of-care testing across the clinical spectrum. (Abstract P6) Copenhagen, Denmark. September 21-24, 2016.
- 61) Liang Y, Wanderer J, Nichols JH, Klonoff D, Rice MJ. Blood gas analyzer glucose measurement accuracy. Diabetes Technology Meeting (Abstract) Bethesda, MD. November 10 -12, 2016.
- 62) Bowman C, Wienczek JR, Adams B, Sussman C, Sephel G, Colby J, Nichols J, Woodworth A. Pseudometabolic acidosis in patient with severe hypertriglyceridemia. Endocrine Society 2017. (Abstract) Orlando, FL. April 1-4, 2017.
- 63) Williams L, Whitehead N, Geaghan S, Litwin C, Nichols J, Gayken J, Kennedy S., McEvoy M, Ernst D, Carroll P. Preventing blood loss and iatrogenic anemia from diagnostic testing: A Laboratory Medicine Best Practices Systematic Review. American Association for Clinical Chemistry 2018. (Abstract B-363) Chicago, IL. July 29 – August 2, 2018.
- 64) Rutherford NJ, Hughes CE, Nichols JH, Shanjani-Yi Z. Interference of acetone with the alkaline-picrate method for blood creatinine measurement on the Abbott Architect. American Association for Clinical Chemistry 2018. (Abstract A-289) Chicago, IL. July 29 – August 2, 2018.

Contributed Papers and Abstracts: (Continued)

- 65) Brown M, Colby JM, Feldhammer, M, Nichols JH. Automated clinical chemistry platform performance across two academic medical centers. Academy of Clinical Laboratory Physicians and Scientists (ACLPS). (Abstract) Salt Lake City, UT. May 30 – June 1, 2019. *Am J Clin Pathol* 2019;152:S1-S36.
- 66) Rutherford NJ, Shajani-Yi Z, LeGrand J, Nichols JH. Changes in physician order sets result in a sustained reduction of unnecessary testing. American Association for Clinical Chemistry 2019. (Abstract B-064) Anaheim, CA. August 7, 2019.
- 67) Nichols JH, Cambridge T, Sanchez N, Marshall D. Evaluation of continuous quality management system for blood gas, electrolytes, metabolites and CO-Oximetry. American Association for Clinical Chemistry 2021. (Abstract A-169) Chicago, IL. September 28, 2021.
- 68) Gouget B, Assaad R, Desiere F, Füzéry A, Gruson D, Heydlauf M, Kotani K, Nichols J, Uygun ZO, Kowlik K, Fassbind C. Results of an International Federation of Clinical Chemistry and Laboratory Medicine (IFCC) survey on mobile health and digital diagnostics. IFCC WorldLab 2022. (Abstract) Seoul, South Korea. *(accepted presentation pending meeting postponement)*
- 69) Goodman M, Breitenbeck N, Clarke W, Canada-Vilalta C, Canepa DD, Ganser E, Goldsmith B, Headden G, Hoppensteadt D, Klapperich B, Matika R, Miles G, Moser E, Nichols JH, Rafique Z, Stankiewicz A, Swanson J, Tran N, Wu A, Karon B. Multicentre evaluation of a new strip-based blood glucose system (COBAS® Pulse, Roche Diagnostics) for near-patient testing in critical and non-critical settings. EuroMedLab 2021 (Abstract) Munich, Germany. December 1, 2021. *Clin Chem Lab Med* 2021;59, Special Suppl, S94-S835. *(accepted presentation pending meeting postponement)*

Invited Lectures:

- 1998 Nichols, JH. Data management of point-of-care testing. Lab Automation '98. Association for Laboratory Automation. San Diego, CA. Jan 21, 1998.
- Nichols, JH. Practical management of point-of-care testing. Spring Symposium, Joint Meeting of the American Association for Clinical Chemistry, Clinical Laboratory Management Association and Maryland Society for Clinical Laboratory Scientists. College Park, MD. April 9, 1998.
- Nichols, JH. Practical management of staff and automated quality assurance to meet regulatory guidelines. Contemporary Issues in Point-of-Care Testing, combined meeting of the Texas and Southeastern Sections of the American Association for Clinical Chemistry. Shreveport, LA. May 1, 1998.
- Nichols JH, Standardizing the quality assurance of Near-Patient Testing. 17th International Symposium of the Electrolyte/Blood Gas Intercontinental Working Group of the International Federation of Clinical Chemistry. The Confluence of critical care analysis and near-patient testing. Nice, France. June 4-7, 1998.
- Nichols JH and Poe S. Practical Management of Point-of-Care Testing: Laboratory and Nursing Perspectives. Breakout Session (213), Clinical Laboratory Management Association, 1998 Annual Conference & Exhibition. Philadelphia, PA. August 20, 1998.
- 1999 Jacobs E, Nichols J. Point-of-care testing: Strengths, weaknesses, opportunities and practical management. Northeast Regional Joint Fall Conference. Maine/New Hampshire State Society of American Medical Technologists, Maine Society for Clinical Laboratory Science and Maine Chapter of Clinical Laboratory Management Association. Portland, ME. October 20, 1999.
- 2000 Nichols JH. Data management for point-of-care testing. AVL National Marketing Meeting. Atlanta, GA. February 8, 2000.
- Nichols JH. Practical management of point-of-care testing. Northeast Ohio Local Section of the American Association for Clinical Chemistry. Cleveland, OH. March 7, 2000.
- Nichols JH. The Connectivity Industry Consortium: The standard for point-of-care connectivity. Computing in the Clinical Laboratory: The e-laboratory in the healthcare of the future. Milan, Italy. September 21, 2000.
- Nichols JH. Management of near-patient testing. Washington G-2 Reports, Lab Institute 2000, Arlington, VA. October 25, 2000.
- 2001 Nichols JH. The Connectivity Industry Consortium: A user's perspective. Association of Laboratory Automation 2001 Conference, Palm Springs, CA January 28, 2001
- Nichols, JH. The future of informatics and point-of-care testing. American Association for Clinical Chemistry, Northeast Section Meeting, Waltham, MA, February 8, 2001.
- Nichols JH. Informatics and the future of point-of-care testing. Vermont Society for Clinical Laboratory Science and the New Hampshire/Vermont Clinical Laboratory Management Association Spring Seminar. Burlington, VT, April 5, 2001.

Invited Lectures: (Continued)

- 2001 Nichols JH. Informatics and the future of point-of-care testing. Vermont Society for Clinical Laboratory Science and the New Hampshire/Vermont Clinical Laboratory Management Association Spring Seminar. Burlington, VT, April 5, 2001.
- Nichols JH. Informatics issues in implementing POCT. American Association for Clinical Chemistry. Texas Section Annual Spring Meeting. Norman, OK, April 19, 2001.
- Bernstein LH, Blick KE, Forrey AW, Marquardt K, Nichols JH, Qiu D. Information at the point of care: Achieving connectivity and moving beyond. TEPR 2001, Towards the Electronic Patient Record. Boston, MA, May 12, 2001
- Nichols JH. Connectivity Industry Consortium Update and the future of point-of-care informatics. Institute of Biomedical Science, London, UK. Point-of-Care Testing - New Generation Connectivity and Data Integration. Bradford, West Yorkshire, UK. May 21, 2001
- Nichols JH. Point of care testing: A customer's perspective. Biomedical Marketing Association. Creating value through Emerging Industry Trends. Chicago, IL, August 1, 2001
- Bruns DE, Nichols JH, Kricka LJ. The Kubasik Memorial Symposium: Evidence-Based Laboratory Medicine and the Future of Clinical Laboratories. Evidence-based Practice for Point-of-care testing. Annual Autumn Meeting Upstate NY AACC Section, Albany, NY October 4-5, 2001.
- 2002 Nichols JH. Point-of-care testing: where will it be in five years? Lab 2005 - Your Path to the Future. American Association for Clinical Chemistry. New York, NY. March 21-22, 2002.
- Nichols JH. Point-of-care testing data management and connectivity. American Association for Clinical Chemistry Connecticut Valley Local Section Meeting. Wallingford CT. April 4, 2002.
- Nichols JH. Point-of-care connectivity. Clinical Laboratory Management Association, Clinical Ligand Assay Society and American Association for Clinical Chemistry 16th Annual Northeast Region Conference and Exhibit, Boxborough, MA. April 23-24, 2002.
- Nichols JH. Point-of-care testing connectivity and informatics. Imperial College of Science, Technology and Medicine, Hammersmith Hospital, London, UK. April 26, 2002.
- Boyd JC, Christenson RH, Price C, Nichols JH, Laposata M. Evidence-based perspectives of point-of-care testing. Edutrak, Point-of-care testing for guiding diabetic care: An assessment of evidence. 54th Annual Meeting and Clinical Laboratory Exposition, Orlando, FL July 30, 2002.
- Nichols JH. Application of informatics to point-of-care testing. XXVIII Nordic Conference in Clinical Chemistry and XXXV Nordic Conference on Coagulation. Reykjavik, Iceland. August 11, 2002.
- Nichols JH. Evidence based medicine and POCT. Expert Access Online. American Association for Clinical Chemistry Live Online Program. October 2002.

Invited Lectures: (Continued)

- 2003 Krishnaswamy S, Nichols JH, Rosenblum J, Roy R, Santrach P. Application of evidence-based practice to POCT automation. Association of Laboratory Automation 2003 Conference and Exhibition. Palm Springs, CA. February 4, 2003.
- Nichols JH. Preterm labor & rapid fetal fibronectin. Adeza Medical Speaker's Bureau. Sunnyvale, CA. March 20, 2003.
- Lewandrowski K, Gardner E, Mullooly C, Nichols J, Van Cott EM. Reducing medical errors in POCT: The role of informatics and evidence-based medicine. Point-of-Care Track. Clinical Laboratory Management Association, Clinical Ligand Assay Society and American Association for Clinical Chemistry 17th Annual Northeast Region Conference and Exhibit, Boxborough, MA. April 8-9, 2003.
- Nichols JH, Voorhees D, Sprick L, Neeley W, Biggers J, Casey S, Lapekas P. Point-of-care testing. Premier Inc. Lab Forum 2003. Las Vegas, NV May 13, 2003.
- Nichols JH. Point-of-care testing: Quality, connectivity, and informatics. Dutch Society of Clinical Chemistry Conference on Point of Care Testing: What's the Point and Who Cares? Utrecht, Netherlands. May 21, 2003.
- Nichols JH. POCT: Outcomes and evidence-based medicine. 37th Congresso Brasileiro de Patologia Clinica Medicina Laboratorial. Rio de Janeiro, Brazil. September 25, 2003.
- Rabelo R, Nichols JH, Dreger M, Vieira LMF. Reducing medical errors at the point of care. Roundtable: Point-of-care – Pro and against in the hospital laboratory. 37th Congresso Brasileiro de Patologia Clinica Medicina Laboratorial. Rio de Janeiro, Brazil. September 25, 2003.
- Ferraz MB, Nudelman V, Vieira LMF, Nichols JH. POCT and evidence-based medicine. Roundtable: Evidence based medicine. 37th Congresso Brasileiro de Patologia Clinica Medicina Laboratorial. Rio de Janeiro, Brazil. September 26, 2003.
- Nichols JH. Reducing medical errors: Evidence-based practice for POCT. Maine/New Hampshire State Society of American Medical Technologists, Maine Society for Clinical Laboratory Science and the Maine Chapter of Clinical Laboratory Management Association. Northeast Regional Joint Fall Conference 2003. Portland, ME October 17, 2003.
- Nichols JH. Evidence based medicine and POCT. Virginia Point-of-Care Coordinators. Richmond, VA. October 21, 2003.
- Byrne R, MacNamara E, Kay J, Smith J, Nichols J, Gray T. Point-of-care testing. Organization & Management Session. Association of Clinical Biochemists in Ireland. 26th Annual Conference. Malahide, Co. Dublin, Ireland. November 14, 2003.
- Hanna D, Dufour DR, Nichols J. EBM and reduction of errors in POCT. Evidence-based medicine and patient outcomes symposium. Alliance of Northeast Sections of the American Association for Clinical Chemistry, LabMed 2003. Providence, RI, November 21, 2003.

Invited Lectures: (Continued)

- 2004 Nichols JH, Roy R, Dunka L. Reducing medical errors at the point-of-care. Point-of-Care Testing Symposium. Association for Laboratory Automation, LabAutomation 2004. San Jose, CA, February 4, 2004.
- Nichols JH. Reducing medical errors at the point of care. Breakout Session #135. Clinical Laboratory Management Association/American Society of Clinical Pathologists Annual Conference. Atlanta, GA. March 27, 2004.
- Person NB, Lewandrowski KB, Nichols JH, Simon R. Delivery of Quality POCT: Bridging the Laboratory Nursing Boundary in the Quality in Testing Track. Clinical Laboratory Management Association, Clinical Ligand Assay Society and American Association for Clinical Chemistry 18th Annual Northeast Region Conference and Exhibit, Boxborough, MA. April 15, 2004.
- Nichols JH. Strategies to reduce medical errors. Northern California Local Section of the American Association for Clinical Chemistry. San Jose, CA. April 28, 2004.
- Nichols JH. Keynote Speaker, Finding Value at the Bedside: Evidence-Based Practice for POCT. 20th International Symposium on Critical Care & Point of Care Testing on The Value of Critical Care and Point of Care Testing – Who Benefits? Wuerzburg, Germany, June 10, 2004.
- Jacobs E, Nichols JH, Sokoll LJ, Kazmierczak S, Zucker M, Price C. pH testing. The National Academy of Clinical Biochemistry Laboratory Medicine Practice Guidelines: Evidence based practice for POCT Edutrak 3202. 56th Annual Meeting and Clinical Laboratory Exposition American Association for Clinical Chemistry, Los Angeles, CA, July 26, 2004.
- Nichols JH. Keynote Speaker, Informatics: Using data to reduce error, standardize practice and improve patient outcomes. Mid-Atlantic Point of Care Coordinators Fall Symposium, Baltimore, MD. October 8, 2004.
- Nichols JH. Reducing medical errors at the point of care. 4th Annual East Coast and Central Florida POCT Conference, Cocoa Beach, FL, October 15, 2004.
- Nichols JH. Evidence-based medicine: The laboratory's role. Northwest Medical Laboratory Symposium. Portland, OR. October 23, 2004.
- Nichols JH. What is accuracy and how close must the agreement be? Workshop B, Defining Accuracy in Blood Glucose Meters. Fourth Annual Diabetes Technology Meeting, Philadelphia, PA. October 28, 2004.
- Nichols JH. Reducing medical errors – A laboratory perspective. North Carolina Section of the American Society of Health Risk Managers, Greensboro, NC. November 4, 2004.
- 2005 Nichols JH. Quality in point-of-care testing. Taking point of care to the next level. Quality in the Spotlight Conference 2005. Antwerp, Belgium. March 8, 2005.
- Nichols JH. Quality Assurance of Diagnostic Devices. Clinical and Laboratory Standards Institute (CLSI formerly the NCCLS) EQC: Future Technology from the Lab Perspective. Baltimore, MD, March 18, 2005.

Invited Lectures: (Continued)

- 2005 Ottinger B, Morris D, Magnani B, Horowitz G, Nichols J. Experiences with automation. Clinical Laboratory Management Association, Clinical Ligand Assay Society and American Association for Clinical Chemistry 19th Annual Northeast Region Conference and Exhibit, Boxborough, MA. April 14, 2005.
- Nichols JH. Point of care testing: Is faster really better? Louisiana/Mississippi Joint Medical Technology Annual Meeting 2005. New Orleans, LA. April 28, 2005.
- Nichols JH, Miedema K, Sandberg S, Hagvik J. Introduction. Replacing guesswork in glucose determination. Workshop, EuroMedLab 2005 Glasgow, Scotland. May 11, 2005.
- Nichols JH, Lindfors M, Hagvik J, Kallner A. Defining lab accuracy, clinical need and current status at the POC. Hemocue Advanced Training – Guaranteed Performance. Glasgow, Scotland. May 12, 2005.
- Matsuka HY, Lee MH, Lee SY, Nichols JH. Point of Care Testing: Trends and Quality Guidelines. Korean Medical Society, Seoul, South Korea. June 16, 2005.
- Nichols JH, Brimhall B. Guideline development and implementation: From systematic review to patient outcome. Evidence-Based Medicine. CAP Annual Meeting, September 11, 2005. Chicago, IL.
- Bonner A, Lewandrowski K, Nichols J. Top 10 Tips for Improving Your Point of Care Testing Program. NJ POC Coordinators Meeting, September 28, 2005. Somerville, NJ.
- 2006 Nichols JH. Top 10 tips for managing your POCT program: An integrated health system perspective. Trinidad/Tobago POCT Conference of Caribbean Countries. February 16, 2006.
- Nichols JH. XVII Latin American Congress in Clinical Biochemistry. Asuncion, Paraguay, April 6, 2006.
- Nichols JH. Alternative quality control: New regulations and standards. Clinical Ligand Assay Society and American Association for Clinical Chemistry 20th Annual Northeast Region Conference and Exhibit, Boxborough, MA April 11, 2006.
- Nichols JH. Managing your POCT program: Practical issues and regulatory changes. Carolinas Clinical Connection, April 28, 2006. Asheville, NC.
- Nichols JH, Santrach P, Wyer LA. Best practices for the operation and management of point-of-care testing. Symposium 2006 American Association for Clinical Chemistry Annual Meeting. July 25, 2006.
- Nichols JH. Laboratory automation in an integrated U.S. health system. New Zealand Association of Clinical Biochemists/Roche Diagnostics Annual Symposium, Taupo, New Zealand. October 12, 2006.
- Nichols JH. Point of care testing: Is faster always better? New Zealand Association of Clinical Biochemists/Roche Diagnostics Annual Symposium, Taupo, New Zealand. October 13, 2006.
- Nichols JH. Point of care testing: Alternative quality control. Ohio POC Coordinator's Meeting. Columbus, OH. October 30, 2006.

Invited Lectures: (Continued)

- 2006 Nichols JH. Cardiac biomarkers and POCT. American Association for Clinical Chemistry and South Carolina POCT Coordinator's Meeting on Point-of-Care Testing: Evidence-Based Practices and Regulatory Issues. Charleston, SC. November 3, 2006.
- Nichols JH. Point-of-care testing: Quality management, the POC Coordinator, and alternative quality control. Association of Medical Technology of Thailand Conference on Quality Management of Point of Care Testing. Bangkok, Thailand. November 7, 2006.
- Nichols JH, Toben B. Blood gas laboratory standards. American Association for Respiratory Congress, 52nd International Respiratory Congress. Las Vegas, NV. December 11, 2006.
- 2007 Nichols JH. Hong Kong Hospital Authority Commissioned Training Programme (Pathology 2006/7). Hong Kong, China. February 8-9, 2007.
- Murray R, Harper C, Nichols JH. What Clinical Labs Need to Know About the New IVD Multivariate Index Assays (MIAs) Guidance. American Association for Clinical Chemistry and American Society for Clinical Laboratory Scientists Audioconference. March 15, 2007.
- Nichols JH. Point of care testing automation: Improving efficiency, safety and patient outcomes. American Association for Clinical Chemistry Laboratory Automation Conference. Singapore. April 12-13, 2007.
- Nichols JH. Point of care testing: Alternative quality control. KEYPOCC Keystone Point of Care Coordinator's meeting. Newark, DE. September 19, 2007.
- Nichols JH, Scholz M, Magliochetti MJ. The future of clinical diagnostics. Medical Development Group Forum Series. Waltham, MA. October 3, 2007.
- Nichols JH. Point of care testing strategies. Washington G-2 Reports Lab Institute. Washington, DC. October 12, 2007.
- Nichols JH. Keynote Presentation: Integrating point of care testing into a healthcare facility. TriMark Point of Care Testing Conference 2007: Innovation on the Move from Nanotechnology to Personalized Medicine. New York, NY. October 22, 2007.
- Nichols JH. Evidence based practice for point of care testing: The NACB laboratory medicine practice guidelines (LMPG). Central Florida Point of Care Coordinator's Fall Meeting. Melbourne, FL. October 26, 2007.
- Nichols JH. Point of care testing: Alternative quality control. Central Florida Point of Care Coordinator's Fall Meeting. Melbourne, FL. October 26, 2007.
- Nichols JH. Alternative quality control: Risk management and meeting regulatory requirements. Kansas City Point of Care Coordinator Group Meeting. Kansas City, KS. November 2, 2007.
- Nichols JH. Visiting Lecturer. A new challenge – POCT. 1st Point of Care Testing Workshop: Prospective Challenges and Impact in Clinical Practice. King Faisal Specialist Hospital & Research Center. Riyadh, Kingdom of Saudi Arabia. November 20, 2007.

Invited Lectures: (Continued)

- 2007 Nichols JH. Visiting Lecturer. The future of POCT. 1st Point of Care Testing Workshop: Prospective Challenges and Impact in Clinical Practice. King Faisal Specialist Hospital & Research Center. Riyadh, Kingdom of Saudi Arabia. November 21, 2007.
- 2008 Nichols JH. Clinical, marketing and operational Issues in laboratory outreach. Massachusetts Hospital Association Meeting on Business & Legal Strategies for Laboratory Outreach Programs. Burlington, MA. March 27, 2008.
- Nichols JH. POCT: The latest developments in quality management. King Fahd Hospital of the King Faisal University College of Medicine, Department of Diagnostic Laboratories Meeting on Challenges in Laboratory Medicine. Al-Khobar, Kingdom of Saudi Arabia. April 9, 2008.
- Nichols JH. Future of POCT. King Fahd Hospital of the King Faisal University College of Medicine, Department of Diagnostic Laboratories Meeting on Challenges in Laboratory Medicine. Al-Khobar, Kingdom of Saudi Arabia. April 9, 2008.
- Nichols JH. Cardiac markers and POCT. Clinical Ligand Assay Society and American Association for Clinical Chemistry 22nd Annual Northeast Region Conference and Exhibit, Boxborough, MA April 15, 2008.
- Nichols JH. Point of care testing: Effective communication and quality. North Carolina Point of Care Spring Meeting at the Carolinas Medical Center in Charlotte, NC. May 16, 2008.
- Nichols JH. Managing quality point of care testing. Russian Association for Medical Laboratory Diagnostics (RAMLD) Conference on “Dialog Between Clinicians and the Laboratory Specialists Near-Patient Testing”, St-Petersburg, Russia. June 10, 2008.
- Nichols JH. Reducing medical errors at the point of care. Scientific Session. 70th Education Program and National Meeting. American Medical Technologists. Providence, RI. July 9, 2008.
- Nichols JH. Improving interdisciplinary communication. General Session. 70th Education Program and National Meeting. American Medical Technologists. Providence, RI. July 9, 2008
- Nichols JH. Cardiac markers: To point of care testing or core laboratory, that is the question! Cambridge Healthtech Institute’s Second Annual Enabling Point-of-Care Diagnostics Conference. Washington, DC. August 20, 2008.
- Nichols JH. Point of care testing: Standards for quality. All Russian Annual Congress, National Days of Laboratory Medicine. Moscow, Russia. October 9 – 11, 2008.
- Nichols JH. New developments in POCT. Wales External Quality Assessment Scheme (WEQAS) Quality Control Seminar. Manchester, U.K. December 9, 2008
- Nichols JH. Point of care diagnostics: Experience from the United States. Technology Forum Diagnostics and Bioanalytical Devices. Frankfurt, Germany. December 10, 2008.

Invited Lectures: (Continued)

- 2009 Nichols JH. Glucose meters: technical challenges to obtaining accurate results. Diabetes Technology Society, Clinical diabetes Technology Meeting. Long Beach, CA. April 3 – 4, 2009.
- Nichols JH. Quality control of laboratory testing. Chinese Clinical Laboratory Annual Meeting. Beijing, China. April 13, 2009.
- Nichols JH. Quality laboratory testing. Lunch and Learn, Clinical Virology Meeting. Daytona, FL. April 21, 2009.
- Nichols JH. Keynote Presentation: Achieving quality at the point of care: Changes that are moving towards a risk management approach in the ISO and CLSI standards. TriMark Point of Care Testing Conference 2009: Exciting New Directions. San Diego, CA. May 11, 2009.
- Cooper G, Nichols JH. EP22: Presentation of manufacturer's risk information and Quality control of laboratory testing and CLSI EP23. Centers for Medicare and Medicaid Services (CMS) Partners Meeting. New Orleans, LA. May 19, 2009.
- Nichols JH, Sandberg S, Lehmann C, and Carraro P. Organizing hospital POCT to ensure quality and improved patient outcomes. Symposium on POCT: Models for delivery in hospitals, GP practice and home. International Federation of Clinical Chemistry and Laboratory Medicine (IFCC). Innsbruck, Austria. June 11, 2009.
- Goldsmith BM, Suhorukov VS, Nichols JH, Torshin VA. Quality control of laboratory testing: A risk management approach. Symposium session on Laboratory diagnostics in clinical practice. Ministry of Health Care and Social Development, Russian Federation, Scientifically Practical Conference with International Participation. Optimization of dialogue between clinicians and laboratory: Metrological aspects of quality. St. Petersburg, Russia. June 15, 2009.
- Kricka L, Santrach PJ, Nichols JH, Luppe P, Goering R. The Future of POCT. Beckman Science and Technology Symposium. Fullerton, CA. July 8, 2009.
- Nichols JH. Best practices for patient safety in point of care blood glucose monitoring. Industry workshop. 2009 Annual Meeting and Clinical Laboratory Exposition. July 22, 2009.
- Lehmann C, Buchsbaum, Nichols JH. Expert Panel: Value of public-private partnerships: Highlighting open platforms. Cambridge Healthtech Institute's Third Annual Enabling Point-of-Care Diagnostics Conference. Washington, DC. August 10, 2009.
- Nichols JH. Quality control of laboratory testing. Bio-Rad 9th Annual Seminar on Quality Control. Leuven, Belgium, October 5, 2009.
- Nichols JH. Quality control of laboratory testing. Bio-Rad QC Symposium. Amsterdam, The Netherlands, October 6, 2009.
- Nichols JH. Implementing laboratory automation: Operational challenges and practical solutions. American Association for Clinical Chemistry Laboratory Automation Meeting. Kuala Lumpur, Malaysia, October 22, 2009.
- Nichols JH. Keynote Presentation: The future of POCT. American Association for Clinical Chemistry Joint Local Southeast Section Meeting: Contemporary clinical and regulatory issues in point of care testing. New Orleans, LA. November 5, 2009.

Invited Lectures: (Continued)

- 2010 Nichols JH. Introducing Clinical laboratory risk assessment: A look at the new guidelines from CLSI. Bio-Rad 5th Meeting of Quality System Division Specialists. Ixtapa, Zihuatanejo, Mexico. April 14, 2010.
- Nichols JH. Keynote Presentation: Reducing medical errors and improving patient safety at the point of care. TriMark Point of Care Testing Conference 2010: Breakthroughs in Patient care and Data Management. San Diego, CA. May 10, 2010.
- Nichols JH. CLSI EP23: Laboratory quality control based on risk management. Centers for Medicare and Medicaid Services (CMS) Western Consortium Meeting: Consistency, Collaboration, and Cooperation. Seattle, WA. May 11, 2010.
- Nichols JH. CLSI EP23: Laboratory quality control based on risk management. Centers for Medicare and Medicaid Services (CMS) Regional Officers Meeting. Seattle, WA. June 23, 2010.
- Nichols JH. 2010 Proficiency Testing Workgroup report. Clinical Laboratory Improvement Amendments Advisory Committee (CLIAC) Meeting. September 1 – 2, 2011.
- Kost GJ, Nichols JH, Harper C, Joseph J. Blood glucose testing in the hospital: Risk management. International Hospital Diabetes Meeting. San Diego, CA. October 8 – 9, 2010.
- Nichols JH. Keynote Presentation. Evidence-based medicine for POCT. King Faisal Specialist Hospital & Research Centre, 2nd Point of Care Symposium: Towards Optimal Patient Care. Riyadh, Saudi Arabia. October 12-13, 2010.
- Nichols JH. POCT networking. King Faisal Specialist Hospital & Research Centre, 2nd Point of Care Symposium: Towards Optimal Patient Care. Riyadh, Saudi Arabia. October 12-13, 2010.
- Nichols JH. Laboratory regulations from a US perspective. King Faisal Specialist Hospital & Research Centre, 2nd Point of Care Symposium: Towards Optimal Patient Care. Riyadh, Saudi Arabia. October 12-13, 2010.
- Nichols JH. Reducing errors at the point of care: Developing a quality control plan based on risk management. King Faisal Specialist Hospital & Research Centre, 2nd Point of Care Symposium: Towards Optimal Patient Care. Riyadh, Saudi Arabia. October 12-13, 2010.
- Nichols JH. Point of care testing based on risk management. Central Florida Point of Care Network Annual Meeting. Orlando, FL. October 30, 2010.
- Nichols JH. CLSI EP23 Update: Laboratory quality control based on risk management. Centers for Medicare and Medicaid Services (CMS) Western Consortium Meeting: Consistency, Collaboration, and Cooperation. Seattle, WA. November 2, 2010.

Invited Lectures: (Continued)

- 2011 Nichols JH. Quality control based on risk management. Pathology Grand Rounds Visiting Professor. Brown Alpert School of Medicine. Providence, RI. January 6, 2011.
- Nichols JH. POCT: Current trends and CLSI guidelines to meet the challenge. Norwegian Institute of Biotechnology and Bioengineering Annual Meeting. Trondheim, Norway. March 22, 2011.
- Nichols JH. Moving towards a new paradigm in managing risk in the clinical laboratory. Keynote Presentation. 2011 Convocation of Experts on Laboratory Quality Meeting. Salzburg, Austria. April 4, 2011.
- Nichols J. Meeting medical needs with point of care testing. Clinical Laboratory Management Association, Clinical Ligand Assay Society and American Association for Clinical Chemistry 25th Annual Northeast Region Conference and Exhibit, Boxborough, MA. April 13, 2011.
- Nichols JH. Point-of-care testing: Methods to achieve quality patient care. Pathology Grand Rounds Visiting Professor. North Shore-Long Island Jewish Health System. March 17, 2011.
- Nichols JH. Developing a quality control plan based on risk management. National Center for Clinical Laboratories Annual Meeting. Beijing, China. May 26, 2011.
- White A, Faix J, Nichols JH, DeWitt C. The laboratory and critical illness. Canadian Laboratory Medicine Congress. Vancouver, BC. June 8, 2011.
- Luppa P, Nichols JH. New and changing U.S. Guidelines and Regulations. Workshop on POCT in a Changing Regulatory World. American Society for Clinical Pathology (ASCP) and World Association of Societies of Pathology and Laboratory Medicine (WASPALM) XXVI World Congress. Las Vegas, NV. October 22, 2011.
- Koji S, Harper C, Klonoff D, Nichols J, Pickup J, Wilson D. Determining blood glucose meter accuracy in workshop on New Developments in Self-Monitoring of Blood Glucose. 11th Annual Diabetes Technology Meeting. Burlingame, CA. October 27, 2011.
- Nichols JH. Achieving better quality with point-of-care testing. Lab Quality ConFab Process Improvement Institute. San Antonio, TX. November 15, 2011.
- Berte L, Flaherty CD, Nichols JH, Passiment E, Serrano L. Great debate: Should labs complement CMS and CLIA requirements with a quality management system (QMS)? Lab Quality ConFab Process Improvement Institute. San Antonio, TX. November 16, 2011.
- Nichols JH. Point-of-care testing: Methods to achieve quality patient care. Central Florida POC Network and Florida State Society of American Medical Technologists Annual POCT Conference. Orlando, FL. November 18, 2011.
- Nichols JH. Achieving quality at the point of care. Pathology Grand Rounds Visiting Professor. University of North Carolina Hospitals McLendon Clinical Laboratories, Chapel Hill, NC. December 1, 2011.
- Nichols JH. Strategies to achieve quality at the point-of-care. Ontario Point of Care Testing Network. POCT Symposium. Toronto, ON, Canada. December 15, 2011.

Invited Lectures: (Continued)

- 2012 Nichols JH. Achieving quality at the point of care. Department of Pathology, Microbiology, and Immunology Grand Rounds. Nashville, TN. January 20, 2012.
- Nichols JH. Workshop Leader for 1) Regulatory knowledge and education, and 2) 6 requirements of competency. Instrumentation Laboratories (IL) 2012 National Sales Meeting. Denver, CO. January 23-24, 2012
- Nichols JH. Risk management for clinical laboratories. CLSI Leadership Conference, Reducing Risk in Health Care: Present and Future Trends in the Laboratory, Arlington VA. March 21, 2012.
- Nichols JH. CLSI EP23: Developing a quality control plan based on risk management. Pathology Grand Rounds, Visiting Professor Temple University School of Medicine, Philadelphia, PA. March 23, 2012.
- Nichols JH. Risk management for medical laboratories. CMS 14th Annual CLIA Southern Consortium, New Orleans, LA April 10, 2012.
- Nichols JH. Speaker on Preanalytical challenges in point-of-care testing, and moderator for panel discussion on What's in your sample. CHI Innovative Sample Prep & Target Enrichment in Clinical Diagnostics. Newport Beach, CA. April 18, 2012.
- Nichols JH. Laboratory developed tests: A clinical laboratory perspective. Diagnostic Marketing Association 34th Annual Global Marketing Summit. Rosemont, IL. April 25, 2012.
- Nichols JH. CLSI EP23 risk management. CMS CLIA Midwest Consortium Meeting, Chicago, IL. May 8, 2012.
- Nichols JH. CLSI risk management EP23 Guideline. CMS CLIA Northeast Consortium. Boston, MA. May 15, 2012.
- Nichols JH, Snyder A, Ochs L, Anderson M. Presenter on "The new EP23 laboratory quality control based on risk management and Building a quality control plan: An example of EP23". CLSI Workshop: Tools for Tackling EP23. St Davids, PA. May 23, 2012.
- Ehrmeyer S, Nichols JH. Changing US regulations: New developments in proficiency testing and quality control based on risk management. Société Française Biologie Clinique (SFBC) and Association pour l'Innovation en Science (A.I.S.A.) 5th International Symposium on Critical Care Testing and Blood Gases. Deauville, France. June 1, 2012.
- Nichols JH. Achieving quality at the point of care. Trimark Boston Point of Care Testing Conference. Randolph, MA. June 4, 2012.
- Nichols JH. Developing a quality control plan based on risk management. VA Administration National Enforcement Office, Pathology and Laboratory Medicine Services Annual Conference 2012. Dallas, TX. August 15, 2012.
- Nichols JH. Laboratory quality control based on risk management. Second Annual Turning Science into Caring Conference. The Clinical Laboratory: Looking to the New Horizon in Patient Care. Panama City, Panama. September 18 – 20, 2012.
- Nichols JH, Snyder A, Ochs L, Anderson M. Presenter on EP23: Laboratory quality control based on risk management and building a quality control plan: An example of EP23. CLSI Workshop: Tools for Tackling EP23. Houston, TX. September 29, 2012

Invited Lectures: (Continued)

- 2012 Nichols JH, Snyder A, Ochs L, Anderson M. Presenter on EP23: Laboratory quality control based on risk management and building a quality control plan: An example of EP23. CLSI Workshop: Tools for Tackling EP23. Houston, TX. September 29, 2012
- Nichols JH. Errors in POCT: When improbable situations become possible. American Association for Clinical Chemistry CPOCT Division and International Federation for Clinical Chemistry, Prague, Czech Republic. October 5, 2012.
- Nichols JH. Reducing medical errors at the point of care. Maine/New Hampshire State Society of American Medical Technologists, Maine Society for Clinical Laboratory Science and the Maine Chapter of Clinical Laboratory Management Association. Northeast Laboratory Conference 2012. Portland, ME. October 17, 2012
- Nichols JH. Laboratory quality control based on risk management. Maine/New Hampshire State Society of American Medical Technologists, Maine Society for Clinical Laboratory Science and the Maine Chapter of Clinical Laboratory Management Association. Northeast Laboratory Conference 212. Portland, ME. October 18, 2012.
- Nichols JH, Snyder A, Ochs L, Anderson M. The new EP23 laboratory quality control based on risk management and building a quality control plan: An example of EP23. CLSI Workshop: Tools for Tackling EP23. Boston, MA. November 3, 2012.
- Nichols JH. Errors in POCT – when improbably situations become possible. First German POCT Conference. Point-of-Care Testing – New Challenges to Analytical Quality and Clinical Efficiency. Munich, Germany. November 8, 2012.
- Nichols JH. CLSI EP23: Developing a quality control plan based on risk management. Pathology Grand Rounds Visiting Professor. Kansas University Medical Center. Kansas City, KS. December 10, 2012.
- 2013 Nichols JH, Implementing mass spectrometry in the clinical laboratory. American Association for Clinical Chemistry Florida Local Section Meeting. Ft. Lauderdale, FL. January 17, 2013.
- Nichols JH, Snyder A, Ochs L, Anderson M. The new EP23 laboratory quality control based on risk management and building a quality control plan: An example of EP23. CLSI Workshop: Tools for Tackling EP23. Arlington, VA. March 9, 2013.
- Nichols JH. Developing a quality control plan based on risk management. Trimark Conference: Point-of-Care/Critical Care Testing: New instrumentation and Management of Patient Results. Washington DC. March 22, 2013.
- Nichols JH. CLSI EP23: Laboratory quality control based on risk management. Korean Society of Laboratory Medicine. Seoul, South Korea. April 4, 2013.
- Nichols JH, Snyder A, Ochs L, Anderson M. The new EP23 laboratory quality control based on risk management and building a quality control plan: An example of EP23. CLSI Workshop: Tools for Tackling EP23. Chicago, IL. April 19, 2013.

Invited Lectures: (Continued)

- 2013 Nichols JH. Point of Care Testing: Practical Issues. American Association for Clinical Chemistry Professional Practice in Clinical Chemistry. San Diego, CA. April 29, 2013.
- Nichols JH. Point of Care Testing for Healthcare Distributors. National Distribution and Contracting. Nashville, TN. June 11, 2013.
- Nichols JH, Snyder A, Ochs L, Anderson M. The new EP23 laboratory quality control based on risk management and building a quality control plan: An example of EP23. CLSI Workshop: Tools for Tackling EP23. Minneapolis, MN. June 13, 2013.
- Nichols JH. CLSI EP23: Laboratory quality control based on risk management. American Medical Technologists National Conference. Pittsburgh, PA. July 8, 2013.
- Nichols JH, Snyder A, Ochs L, Anderson M. The new EP23 laboratory quality control based on risk management and building a quality control plan: An example of EP23. CLSI Workshop: Tools for Tackling EP23. Atlanta, GA. September 5, 2013.
- Nichols JH. Laboratory quality control based on risk management. Preconference Workshop. King Faisal Specialist Hospital & Research Center, Department of Pathology and Laboratory Medicine, 3rd Point-of-Care Symposium: Optimizing Point-of-Care Testing to Meet Promises & Avoid Pitfalls. Riyadh, Saudi Arabia. September 30, 2013.
- Ehrmeyer SS, Nichols JH, Samman G. When improbable situations become possible. Session 2: Point-of-Care Testing: Quality and Risk Management. King Faisal Specialist Hospital & Research Center, Department of Pathology and Laboratory Medicine, 3rd Point-of-Care Symposium: Optimizing Point-of-Care Testing to Meet Promises & Avoid Pitfalls. Riyadh, Saudi Arabia. October 1, 2013.
- Ehrmeyer SS, Nichols JH, Samman G. Connectivity and interfaces for patient safety and beyond. Session 2: Point-of-Care Testing: Quality and Risk Management. King Faisal Specialist Hospital & Research Center, Department of Pathology and Laboratory Medicine, 3rd Point-of-Care Symposium: Optimizing Point-of-Care Testing to Meet Promises & Avoid Pitfalls. Riyadh, Saudi Arabia. October 1, 2013.
- Ehrmeyer SS, Adlan NA, Slingerland RJ, Nichols JH. POCT program organization: One institution's experience. Session 6: Practical Issues Around POCT. King Faisal Specialist Hospital & Research Center, Department of Pathology and Laboratory Medicine, 3rd Point-of-Care Symposium: Optimizing Point-of-Care Testing to Meet Promises & Avoid Pitfalls. Riyadh, Saudi Arabia. October 2, 2013.
- Nichols JH, Snyder A, Ochs L, Anderson M. The new EP23 laboratory quality control based on risk management and building a quality control plan: An example of EP23. CLSI Workshop: Tools for Tackling EP23. Los Angeles, CA. November 12, 2013.
- Nichols JH, Snyder A, Ochs L, Anderson M. The new EP23 laboratory quality control based on risk management and building a quality control plan: An example of EP23. CLSI Workshop: Tools for Tackling EP23 for Beckman Coulter Employees. Brea, CA. November 12, 2013.

Invited Lectures: (Continued)

- 2013 Nichols JH, Vervaart P. Laboratory QC based on risk management principles. Hong Kong Society of Clinical Chemistry, Seminar on Laboratory Quality Control. Kowloon, Hong Kong. November 27, 2013.
Vervaart P, Nichols JH. The value of interlaboratory comparison programs: EQA and IQC. Industry Sponsored Quality Control Meeting of Chinese Laboratory Leadership. Shanghai, China. November 29, 2013.
- 2014 Nichols JH. Laboratory QC based on risk management. Pathology Grand Rounds Visiting Professor, Mayo Clinic. Rochester, MN. January 23, 2014.
Nichols JH. Risk management at the point-of-care: CMS IQCPs and the CLSI EP23 guidelines. American Association for Clinical Chemistry, Michigan Local Section Meeting, Detroit, MI, March 6, 2014.
Nichols JH. Risk management at the point-of-care: CMS IQCPs and the CLSI EP23 guidelines. Clinical and Laboratory Management Association, Nashville Chapter Meeting. Nashville, TN, March 13, 2014.
Nichols JH. Risk management and the clinical laboratory. American Medical Technologists Carolina Connection. Cherokee, NC. April 9, 2014.
Nichols JH. Laboratory quality control based on risk management: CLSI EP23 and CMS Individualized quality control plans. Trimark Chicago Point-of-Care Conference. Chicago, IL. April 28, 2014.
Nichols JH. CLSI EP23: Laboratory QC, risk management and CMS individualized quality control plans. Clinical and Laboratory Management Association, Chicago Chapter Meeting. Chicago, IL. April 29, 2014.
Nichols JH. Non-strip methods for measuring blood glucose. Videotape of presentation submitted for projection at the 2014 Hospital Diabetes Meeting, Arlington, VA. May 13, 2014.
Nichols JH. IQCP: One laboratory's experience with an individualized quality control plan (IQCP) for fetal fibronectin. American Society for Clinical Laboratory Science Annual Meeting, Chicago, IL. July 28, 2014.
Adeli K, Nichols JH, Baker JC. Challenges of adopting new reference ranges. American Association for Clinical Chemistry Annual Meeting Industry Sponsored Workshop. Children are not small adults: The need for pediatric reference intervals. Chicago, IL. July 29, 2014.
Nichols JH. Risk management at the point-of-care: CMS IQCPs and the CLSI EP23 guidelines. Bio-Rad sponsored CE workshop, Franklin, TN. August 22, 2014.
Nichols JH. Effectiveness of practices to reduce blood sample hemolysis in emergency departments. 2nd Munich Point-of-Care Testing Symposium. Munich, Germany. September 15, 2014.
Nichols JH. How to develop an individualized quality control plan: Laboratory risk management in action. American Society for Clinical Pathology Annual Meeting, Workshop 7013, Tampa, FL. October 9, 2014.
Nichols JH. Laboratory quality control based on risk management. American Association for Clinical Chemistry Ohio Valley Local Section meeting. Cleveland, OH, November 11, 2014.

Invited Lectures: (Continued)

- 2014 Nichols JH. Hot topics in laboratory medicine: Risk based quality control, FDA guideline changes and beyond. Case Western Reserve University School of Medicine Pathology Grand Rounds, Cleveland, OH. November 12, 2014.
- 2015 Nichols JH. IQCP: Moving from concept to implementation. Bio-Rad sponsored CE workshop. New Orleans, LA, April 17, 2015.
- Nichols JH. The virtues and pitfalls of implementing a new test. Professional Practice in Clinical Chemistry, American Association for Clinical Chemistry, Philadelphia, PA. April 26, 2015.
- Nichols JH. So you want to develop a test? Navigating the regulatory waters of laboratory developed testing. Professional Practice in Clinical Chemistry, American Association for Clinical Chemistry, Philadelphia, PA. April 26, 2015.
- Nichols JH. Neonatal anemia: Recognizing thalassemia and hemoglobin variants. Professional Practice in Clinical Chemistry, American Association for Clinical Chemistry, Philadelphia, PA. April 26, 2015.
- Nichols JH. Who drugged the baby? Managing neonatal abstinence syndrome. Professional Practice in Clinical Chemistry, American Association for Clinical Chemistry, Philadelphia, PA. April 26, 2015.
- Nichols JH. Is my patient drugged? Identifying drugs of abuse in the emergency room. Professional Practice in Clinical Chemistry, American Association for Clinical Chemistry, Philadelphia, PA. April 27, 2015.
- Nichols JH. Principles and practice of therapeutic drug monitoring. Professional Practice in Clinical Chemistry, American Association for Clinical Chemistry, Philadelphia, PA. April 28, 2015.
- Nichols JH. Cooking meth and doctor shopping: The challenges of managing prescription therapeutics. Professional Practice in Clinical Chemistry, American Association for Clinical Chemistry, Philadelphia, PA. April 29, 2015.
- Nichols JH. Quality control of the future: Risk management and individualized quality control plans (IQCPs). Professional Practice in Clinical Chemistry, American Association for Clinical Chemistry, Philadelphia, PA. April 30, 2015.
- Nichols JH. Point of care testing: Is faster really better? Professional Practice in Clinical Chemistry, American Association for Clinical Chemistry, Philadelphia, PA. April 30, 2015.
- Isbell TS, Nichols JH, Koch D. Meeting emergency department turnaround time with point of care and other lab options. 6th International Symposium, Critical Care and Blood Gases, Friday Session: Clinical and economic outcomes of POCT and new perspectives in the USA. Euromedlab Ancillary Meeting, Versailles, Paris, France. June 19, 2015.
- Nichols JH, Platt J, Root C, Tan D, Wang, Weinert K. Impact of FDA LDT guidance on diagnostics. AACC 20th Annual Briefing for Financial Analysts of the IVD Industry. 2015 Annual Meeting and Clinical Laboratory Exposition, American Association for Clinical Chemistry. Atlanta, GA. July 27, 2015.

Invited Lectures: (Continued)

- 2015 Karon B, Geaghan S, Nichols JH. Glucose measurements in neonatal and pediatric intensive care units. Pediatric, Maternal and Fetal Medicine Division Seminar. 2015 Annual Meeting and Clinical Laboratory Exposition, American Association for Clinical Chemistry. Atlanta, GA. July 28, 2015.
- Gutierrez A, Kazon P, Nichols JH. A discussion of the new LDT guidance. Afternoon Symposium. 2015 Annual Meeting and Clinical Laboratory Exposition, American Association for Clinical Chemistry. Atlanta, GA. July 30, 2015.
- Nichols JH. Hot topics in laboratory regulations. Association of Medical Technologists. Tampa, FL. November 13, 2015.
- Nichols JH. Risk management in action. Association of Medical Technologists. Tampa, FL. November 14, 2015.
- 2016 Nichols JH. Spotlight on use of CALIPER pediatric reference ranges Alexion Scientific Advisory Board meeting. Miami, FL. Feb 12, 2016.
- Nichols JH. How to evaluate risk in the medical laboratory. Satellite meeting of the GX Chinese Clinical Laboratory meeting. Shenzhen, China. March 9, 2016 and Guangzhou, China. March 10, 2016.
- Nichols JH. How to better manage quality in the medical laboratory. GX Chinese Clinical Laboratory meeting. Nanning, China. March 12, 2016.
- Nichols JH. Preanalytic concerns with POCT. BD Preanalytical System Division Leadership Meeting (CFO, CMO, Top Management), Franklin Lakes, NJ. May 2, 2016.
- Nichols JH. Experiences with point-of-care testing. PCL Holding Symposium; Quality of Blood Gas Analysis: From Past to Present. Bangkok, Thailand. May 17, 2016.
- Nichols JH. Meeting laboratory regulations: Good laboratory practices, Risk management, and IQCP presented at the Risk Management and IQCP for POCT Management in Blood Gas Analysis Symposium. Kuala Lumpur, Malaysia. May 19, 2016.
- Nichols JH. Keynote Address. Case studies in laboratory regulations. National Association of Scientific Materials Managers Conference & Tradeshow 2016. St. Petersburg, FL. July 25, 2016.
- Nichols JH. FDA regulation of LDTs: Evolution or disruption? TECAN Symposium August 2016. Annual Meeting and Clinical Laboratory Exposition, American Association for Clinical Chemistry. Philadelphia, PA. August 1, 2016.
- Fish A (Executive Director Advameddx), Mertz A (President, Americal Clinical Laboratory Association), Nichols JH, (Chair, AACC Global Affairs Committee), Ochs L (Senior Project Manager, CLSI), Pratt V. Director Pharmacogenomics Laboratory, Iowa University School of Medicine), Prebula R (Partner, Hogan Lovells). Schroder B. (VP Global Business Development Vermillion) Debate Moderator. FDA regulation of LDTs: Evolution or disruption? TECAN Symposium August 2016. Annual Meeting and Clinical Laboratory Exposition, American Association for Clinical Chemistry. Philadelphia, PA. August 1, 2016.

Invited Lectures: (Continued)

- 2016 Nichols JH. With home testing: Consumers take charge of their health! American Association for Clinical Chemistry CPOCT Division and International Federation for Clinical Chemistry Conference. The benefits and challenges of point-of-care testing across the clinical spectrum. Copenhagen, Denmark. September 22, 2016.
- Nichols JH. Keynote Address: The evolving role of POCT in healthcare around the globe. King Faisal Specialist Hospital & Research Center, Department of Pathology and Laboratory Medicine, 4th Point-of-Care Symposium: Quality and Patient Outcomes: Time is Vital. Riyadh, Saudi Arabia. November 6, 2016.
- Nichols JH. Updates in POCT regulations. King Faisal Specialist Hospital & Research Center, Department of Pathology and Laboratory Medicine, 4th Point-of-Care Symposium: Quality and Patient Outcomes: Time is Vital. Riyadh, Saudi Arabia. November 6, 2016.
- Nichols JH. POCT glucose testing regulations. King Faisal Specialist Hospital & Research Center, Department of Pathology and Laboratory Medicine, 4th Point-of-Care Symposium: Quality and Patient Outcomes: Time is Vital. Riyadh, Saudi Arabia. November 6, 2016.
- Nichols JH. Individual Quality Control Plans (IQCP) *History and Introduction*. Adlan N, Hassan H, Kost G, Moore JD, Nichols JH. Individualized Quality Control Plan (IQCP) Workshop. King Faisal Specialist Hospital & Research Center, Department of Pathology and Laboratory Medicine, Riyadh, Saudi Arabia. November 8, 2016.
- Nichols JH. Individual Quality Control Plans (IQCP) *Risk Assessment*. Adlan N, Hassan H, Kost G, Moore JD, Nichols JH. Individualized Quality Control Plan (IQCP) Workshop. King Faisal Specialist Hospital & Research Center, Department of Pathology and Laboratory Medicine, Riyadh, Saudi Arabia. November 8, 2016.
- Nichols JH. Individual Quality Control Plans (IQCP) *Lessons Learned*. Adlan N, Hassan H, Kost G, Moore JD, Nichols JH. Individualized Quality Control Plan (IQCP) Workshop. King Faisal Specialist Hospital & Research Center, Department of Pathology and Laboratory Medicine, Riyadh, Saudi Arabia. November 8, 2016.
- Nichols JH. Tips for successful point-of-care testing. Sociedad Médica de Laboratorio Clínico. XIV Jornada de Laboratorio Clínico. Santiago, Chile. November 21, 2016.
- Nichols JH. Best practices for quality point-of-care testing. Sociedad Médica de Laboratorio Clínico. XIV Jornada de Laboratorio Clínico. Santiago, Chile. November 21, 2016.
- Nichols JH. Quality control for point-of-care testing. (with panel discussion) Sociedad Médica de Laboratorio Clínico. XIV Jornada de Laboratorio Clínico. Santiago, Chile. November 22, 2016.
- Nichols JH. Position statements, guidelines and professional organizations. Alexion Pharmaceuticals EU Advisory Board on Alkaline Phosphatase (ALP) Reference Intervals in Pediatrics. Rome, Italy. December 3, 2016.

Invited Lectures: (Continued)

- 2017 Nichols JH. New innovations come with more regulations! 3rd Munich Point-of-Care Testing Symposium. Munich, Germany. February 16, 2017.
- Nichols JH, Patwardhan MS, Golwika A. New strategies for quality control of laboratory testing. MedFair Clin Lab Expo Conference. New Delhi, India. April 6, 2017.
- Nichols JH, Thakur AA, Moore N. Risk management in POCT: Eliminating errors before they bite you! MedFair Clin Lab Expo Conference. New Delhi, India. April 7, 2017.
- Nichols JH. Practical implementation of POCT. European Dx Summit. Lisbon, Portugal. April 14. 2017.
- Nichols JH. The dangers of direct-to-consumer testing. American Association for Clinical Chemistry Southeast Local Section Meeting Organizing Committee. Nashville, TN, June 3, 2017.
- Tirimacco R, Nichols J, McClintock D, Vaubourdolle. Emerging technologies and regulatory changes for POCT. In, the future outlook on POCT and clinical effectiveness symposium. Euromedlab 2017. Athens, Greece. June 14, 2017.
- Nichols JH, Westgard S. Using six-sigma, instrumentation, informatics and workflow to build quality in the lab. Abbott Industry Sponsored Workshop: Building Healthier Hospitals Through World Class Quality using Six-Sigma and Innovative Instrumentation, Informatics, and Workflow Approaches. Annual Meeting and Clinical Laboratory Exposition. American Association for Clinical Chemistry, San Diego, CA August 1, 2017.
- Nichols JH, Mansouri S. Errors in the laboratory. IL Industry Sponsored Workshop: Detection and Reduction of Transient Errors to Manage Risk in Point-of-Care Testing. Annual Meeting and Clinical Laboratory Exposition. American Association for Clinical Chemistry, San Diego, CA. August 2, 2017.
- Nichols JH. Consumer laboratory testing: Risks and Prevention. Enabling Point-of-Care Diagnostics. Next Generation Dx Summit: The Big Picture of Diagnostics. Washington, D.C. August 15, 2017.
- Harris J, Nichols JH, Thomas A. Innovations in point-of-care testing. Point-of-Care Testing Advances Conference. Cleveland Clinic Abu Dhabi. September 30, 2017.
- Nichols JH. POCT in the ICU. Point-of-Care Testing Advances Conference. Cleveland Clinic Abu Dhabi. September 30, 2017.
- Adlan N, Ahmed FSAM, Harris J, Mirza I, Nichols JH, Thomas A. Panel & Group Discussion: The future of POCT – Governance/oversight in the Middle East? Is there a need? Point-of-Care Testing Advances Conference. Cleveland Clinic Abu Dhabi. September 30, 2017.
- Nichols JH, Pearson LN. Method validation and verification: Case studies and laboratory challenges. CAP'17 The Pathologists Meeting. Washington, D.C., October 10, 2017.
- Nichols JH. Defining analytic and clinical validity. National Academies of Sciences, Engineering and Medicine. Committee on the return of individual-specific research results generated in research laboratories. Washington, D.C. October 24, 2017.

Invited Lectures: (Continued)

- 2018 Dudley R, Swerdloff RS, Danoff T, White WB, Kaminetsky J, Nichols JH. New drug application (NDA) 206089, oral testosterone undecanoate capsules – Clarus Therapeutics. Food and Drug Administration, Center for Drug Evaluation and Research (CDER). Bone, Reproductive, and Urologic Drugs Advisory Committee (BRUDAC) Meeting, Hyattsville, MD. January 9, 2018.
- Nichols JH. Trends in point-of-care testing. Health Industry Distributors Association (HIDA) Lab & Diagnostics Channel Strategies Conference. Coral Gables, FL. February 1, 2018.
- Botkin JR, Appelbaum P, Bakken S, Brown C, Fabsitz R, McGuire A, Nichols J, Wilkins C, Zikmund-Fisher B. National Academies of Science, Engineering and Medicine Agency Briefing (NIH, CMS, FDA). Returning Individual Research Results to Participants: Guidance for a New Research Paradigm. July 9, 2018.
- Bowman C, Karon B, Mesotten D. Capillary samples and best practices in critical care and hospitalized patients: A report on the IFCC POCT-Task Force Work Group, recent FDA activities, and CLSI POCT17. Annual Meeting and Clinical Laboratory Exposition. American Association for Clinical Chemistry, Chicago, IL. July 31, 2018.
- Hallworth M, Laposata M, Freedman DB, Nichols JH. The diagnostic management team in action in the symposium session on Better testing, better care – The role of the laboratory in improving patient outcomes. Annual Meeting and Clinical Laboratory Exposition. American Association for Clinical Chemistry, Chicago, IL. August 1, 2018.
- Nichols JH. Innovations in phlebotomy: Beyond the needle and Vacutainer for point-of-care sample collection. Enabling Point-of-Care Diagnostics. Next Generation Dx Summit: What will the future of POC devices look like? Washington, DC August 21, 2018.
- Nichols JH. The significance of accurate pediatric reference intervals: The role of the laboratory in the clinical diagnosis of hypophosphatasia (HPP). CLMA Wisconsin Chapter, La Crosse, WI. September 20, 2018.
- Nichols JH, Pearson LN. Method validation and verification: Case studies and laboratory challenges. CAP'17 The Pathologists Meeting. Washington, DC, October 22, 2018.
- Mottram CD, Nichols JH, Kim S. Customer focused documents of CLSI. Nichols JH. CLSI GP45: Studies to evaluate patient outcomes. Laboratory Medicine Congress & Exhibition, Korean Society for Laboratory Medicine 59th Annual Meeting Patient-Centered Laboratory Medicine. Seoul, South Korea. November 3, 2018.
- Nichols JH. Keynote Address. The Point-of-care coordinator: Manager, educator and resource for quality in near-patient testing. 2nd Point of Care Testing Advances Conference. Cleveland Clinic Abu Dhabi. December 13, 2018.
- Nichols JH. “Clinician versus laboratorian”: Conflict versus collaboration. 2nd Point of Care Testing Advances Conference. Cleveland Clinic Abu Dhabi. December 13, 2018.

Invited Lectures: (Continued)

- 2018 Ghafari H, Nichols J, O’Sullivan A, Breen N, Harris J, Adlan N, Thomas A. Panel & Group Discussion. How POCT coordinators and nursing/allied health can work more effectively together. 2nd Point of Care Testing Advances Conference. Cleveland Clinic Abu Dhabi. December 13, 2018.
- Nichols JH. The 123s of ACT: What it is, where it’s used, which instruments are available and why the ACT numbers are so different? 2nd Point of Care Testing Advances Conference. Cleveland Clinic Abu Dhabi. December 13, 2018.
- Nichols JH. Understanding human factors to minimize errors in POCT. 2nd Point of Care Testing Advances Conference. Cleveland Clinic Abu Dhabi. December 14, 2018.
- 2019 Nichols JH. Achieving optimal turnaround time: A tale of troponin testing at two academic medical centers. 4th Munich POCT Symposium. POCT at the interface of emerging technologies and new clinical applications. Munich, Germany. March 13, 2019.
- Nichols JH. Improving laboratory communication through interpretive services. Clinical Laboratory Management Association (CLMA) Knowledge Lab 2019. Grapevine, TX. April 1, 2019.
- Nichols JH. Returning individual research results to participants: Guidance for a new research paradigm. Clinical Laboratory Management Association (CLMA) Knowledge Lab 2019. Grapevine, TX. April 2, 2019.
- Nichols JH. The significance of accurate pediatric reference intervals: The role of the laboratory in the clinical diagnosis of hypophosphatasia (HPP). ColLABoration Iowa Clinical Laboratory Conference. Cedar Rapids, IA. April 16, 2019.
- Nichols JH. Innovations in point-of-care testing. Virginia Point-of-Care Coordinators Spring Meeting. Richmond, VA. April 19, 2019.
- Nichols JH. The significance of accurate pediatric reference intervals: The role of the laboratory in the clinical diagnosis of hypophosphatasia (HPP). Clinical and Laboratory Management Association (CLMA) Volunteer State Chapter Spring Education Meeting. Franklin, TN. April 25, 2019.
- Steel PAD, Zhao Z, Nichols JH. On demand POCT: Ambulance and helicopter testing in the field in the session on Clinical laboratories and emergency departments adapt to new models to provide the best quality care. American Association for Clinical Chemistry, Anaheim, CA. August 5, 2019.
- Nichols JH, Donato L, Luppia P. Solving the challenges of POCT: People, sites and devices in the session on Worldwide challenges in POCT: Managing people, Regulations, Devices and Technologies; A Focus on Molecular POCT. Annual Meeting and Clinical Laboratory Exposition. American Association for Clinical Chemistry, Anaheim, CA. August 6, 2019.
- Hallworth M, Laposata M, Freedman DB, Nichols JH. From hemoglobins to toxicology: The diagnostic management team and interpretive services in action in the symposium session on Better diagnosis, improved patient outcomes through patient-centered laboratory medicine. Annual Meeting and Clinical Laboratory Exposition. American Association for Clinical Chemistry, Anaheim, CA. August 7, 2019.

Invited Lectures: (Continued)

- 2019 Botkin JR, Nichols JH. Returning individual research results to participants: A clinical and research laboratory perspective in the symposium session on Returning individual research results to participants: The National Academy of Sciences, Engineering and Medicine Results. Annual Meeting and Clinical Laboratory Exposition. American Association for Clinical Chemistry, Anaheim, CA. August 8, 2019.
- Nichols JH. Opportunities for POCT in modern healthcare. Next Generation Dx Summit: Enabling Point-of-Care Diagnostics: Delivering rapid results to improve outcomes. Washington, DC. August 20, 2019.
- Nichols JH, Pearson LN. Method validation and verification: Case studies and laboratory challenges. College of American Pathologists (CAP) 2019 Annual Meeting. Orlando, FL. September 24, 2019.
- Fuhrman SA, Goldsmith JD, Hsi ED, Karon BS, Killeen AA, Nakhleh RE, Nichols JH, Wojewoda CM. Quality improvement and validation solutions for every laboratory's operations. College of American Pathologists (CAP) 2019 Annual Meeting. Orlando, FL. September 25, 2019.
- Nichols JH. Quality in the laboratory. Abbott Diagnostics Quality Day. Abbott Park, IL. November 11, 2019.
- Nichols JH, Collins S, Dering-Anderson AM, Hickner JM. Medical Crossfire: Considering point-of-care testing in your practice setting? Opportunities and challenges for implementation in family practice, retail pharmacies, and the emergency room. Physicians' Education Resource. Videotaping, Cranbury, NJ. November 22, 2019.
- Zima T, Stankovic S, Nichols J, Tyminski K, Ljubic A. Opportunities for POCT in modern healthcare and dangers of direct-to-consumer testing. 3rd Conference on Medical Laboratory Accreditation and Quality Systems (CLAQ): Laboratory medicine in the transformative decade: digital technologies, artificial intelligence and quality management. Belgrade, Serbia. December 9, 2019.
- Zima T, Stankovic S, Nichols J, Tyminski K, Ljubic A. Risk management in POCT: Understanding human factors and processes to minimize error. 3rd Conference on Medical Laboratory Accreditation and Quality Systems (CLAQ): Laboratory medicine in the transformative decade: digital technologies, artificial intelligence and quality management. Belgrade, Serbia. December 9, 2019.
- 2020 Wareth LA, Ibrahim F, Nabulsi R, Nichols JH. Engaging the clinician through laboratory interpretive services in the session on Clinical Chemistry: Laboratory Quality. MedLab Middle East. Dubai, United Arab Emirates. February 4, 2020.
- Mokaddas E, Nichols JH, Udo E. Solving the challenges of POCT in microbiology: People, sites and devices in the session on molecular microbiology. MedLab Middle East. Dubai, United Arab Emirates. February 4, 2020.
- Wareth LA, Lee J, Nichols JH. New frontiers in POCT innovation in the session on Management of POCT. Dubai, United Arab Emirates. February 6, 2020.
- Nichols JH. Point-of-care diagnostics strategy and implementation. Molecular Medicine Tri-Conference. San Francisco, CA. March 2, 2020.

Invited Lectures: (Continued)

- 2020 Nichols JH. Achieving quality at the point-of-care. University of Alabama, Visiting Professor. Birmingham, AL. June 15, 2020.
- Nichols JH. The significance of accurate pediatric reference intervals: The role of the laboratory in the clinical diagnosis of hypophosphatasia (HPP). Graves Gilbert Laboratory, Bowling Green, KY. June 17, 2020.
- Nichols JH. Vitamin D Case Presentation. Davita, Deland, FL. July 9, 2020.
- Nichols JH, Ng VL, Wiencek J, Bothwell B, Sanaa J, Fantz C. Risk management for point-of-care testing in “Reducing errors at the point-of-care” session. Next Generation Dx Virtual Interactive Global Summit. August 25, 2020.
- Nichols JH. The significance of accurate pediatric reference intervals: The role of the laboratory in the clinical diagnosis of hypophosphatasia (HPP). Alexion regional account managers virtual lunch diagnostic speaker’s program. September 10, 2020.
- Steel PAD, Zhao Z, Nichols JH. Achieving ED turnaround time in “Clinical laboratories and emergency departments adapt to new models to provide the best quality care”. American Society for Clinical Pathologists ASCP 2020 Virtual. September 11, 2020.
- Pratumvinit B, Nichols JH. Interpretation of laboratory results – Development of an interpretive service for the laboratory in Medlab Asia – Track 1 Clinical Chemistry. October 29, 2020
- Nichols JH. The significance of accurate pediatric reference intervals: The role of the laboratory in the clinical diagnosis of hypophosphatasia (HPP). Tennessee Southeast region. November 5, 2020.
- Nichols JH. Errors in the clinical laboratory and implementing a total quality assurance program in the clinical setting – multicenter study of iQM2. Eye opener session. Instrumentation Laboratories Virtual. November 9, 2020
- Killeen AA, Nichols JH. Laboratory challenges in method validation in “Adventures in method validation” Annual Scientific Meeting & Clinical Lab Expo Virtual American Association for Clinical Chemistry. December 13, 2020.
- Zhao Z, Steel PAD, Nichols JH. Achieving ED turnaround time in “Clinical laboratories and emergency departments adapt to new models to provide the best quality care”. Annual Scientific Meeting & Clinical Lab Expo Virtual American Association for Clinical Chemistry. December 14, 2020.
- Nichols JH, Jacobs E, Alter D. Improving POCT performance through PT and use of data management in “AACC guidance document on management of point-of-care testing. Annual Scientific Meeting & Clinical Lab Expo Virtual American Association for Clinical Chemistry. December 15, 2020.
- 2021 Bernardini S, Toll anes MC, Nichols JH, Greaves R, Neumaier M, Ciccozzi M. CLSI COVID-19 resources for validation, implementation, and management of new tests in Symposium 10: Emerging technologies in fighting COVID-19 an International Federation of Clinical Chemistry and Laboratory Medicine virtual conference on the Critical role of clinical laboratories in the COVID-19 pandemic. (virtual) February 17, 2021.

Invited Lectures: (Continued)

- 2021 Nichols JH, Yu H-YE, Hohmeier K, Kesper D. Facing the challenges of standardizing POCT: Experiences from a health system in CHI's 10th Annual Point-of-Care Diagnostics virtual meeting part of the 28th International Molecular Med Tri-Con Virtual Conference. (virtual) February 18, 2021
- Westgard JO, Nichols JH, Ehrmeyer S, Mansouri S. Clinical experience with real-time quality management: Implementing a total quality assurance program in the clinical setting in Instrumentation Laboratory (IL) iQM2 Virtual Roadshow, Patient-centered blood gas testing at the point of care with an intelligent approach to quality management. (virtual) February 24, 2021 United States; March 23, 2021 Canada; March 31, 2021 Middle East; April 28, 2021 Poland; May 12, 2021 United States; May 19, 2021 Italy; May 26, 2021 France; June 9, 2021 Latin America; June 16, 2021 United Kingdom; July 1, 2021 Germany; July 13, 2021 Korea/Asia/Australia.
- Nichols JH. Quality and sigma metrics: Important quality measures for the laboratory in Abbott Diagnostics Future of Labs: Brighter Than Ever, Lab Week. (virtual) April 19, 2021.
- Nichols JH. Measurement of ketones. Diabetes Technology Society Continuous Ketone Monitoring Consensus Panel. (virtual) April 20, 2021.
- Nichols JH. Practical tips to manage laboratory QC data. Bio-Rad Laboratories Webinar. May 19, 2021.
- Nichols JH. The significance of accurate pediatric reference intervals: The role of the laboratory in the clinical diagnosis of hypophosphatasia (HPP). Quest Diagnostics, Kentucky. May 20, 2021.
- Soldin SJ, Nichols JH, Wu AH, Montilla C, Shi M, Rossum HV, Kanegusuku AG, Urenda AM, Benedetto PD. Innovations in point-of-care testing: Direct-to-consumer laboratory tests in Medical Pathology Virtual 2021. Clinical and Laboratory Medicine Session, July 12, 2021.
- Nichols JH. Controlling laboratory errors through risk management. Abbott Diagnostics webinar, India. (virtual) August 13, 2021.
- Nichols JH, Roberts H, Leung EKY, Chambliss A, Egan D, Moore N. Clinical and Laboratory Standards Institute (CLSI) resources for validation, implementation, and management of new tests in CHI's 13th Annual Next Generation Dx Summit, Enabling Point-of-Care Diagnostics: Practical Challenges with POCT Implementation. Washington, DC August 25, 2021.
- Nichols JH, Trenti T, Gouget B, Lai L. Utilizing POCT to optimize care in International Federation for Clinical Chemistry POCT: Making the Point, Session 4 POCT Market and Sustainability. Rome, Italy. September 7, 2021.
- Bryksin J, Killeen AA, Koch D, Nichols JH. Laboratory challenges in method validation in "Trust, but Verify: Getting the Most Out of Evaluation Protocols for FDA Approved Methods". Annual Scientific Meeting & Clinical Lab Expo American Association for Clinical Chemistry. Atlanta, GA September 26, 2021.

Invited Lectures: (Continued)

- 2021 Nichols JH, Sanchez N. Sources of errors at the POC and in the clinical laboratory in 2021 American Association for Clinical Chemistry Industry Workshop Mitigating pre-analytical errors in point-of-care blood gas testing. Atlanta, GA September 28, 2021.
- Plebani M, Nichols JH, Trenti T, Pica M. Risk management for POCT in Plenary Session National Congress of Italian Society of Clinical Biochemistry and Clinical Molecular Biology (SIBioC) 2021. (virtual) October 12, 2021.
- Nichols JH. Reducing errors with GEM5000 and iQM2 in the Fall 2021 Respiratory Care Symposium. (virtual) October 14, 2021.
- Nichols JH. Improving clinical laboratory interpretation. University of Texas Medical Branch (UTMB) Pathology Grand Rounds. (virtual) November 15, 2021.
- Nichols JH. Achieving quality at the point of care. Meyer Bodansky Visiting Professor Lecture (UTMB). (virtual) November 15, 2021.
- 2022 Nichols JH. Implementing a new test or instrument: Validation versus verification. CAP Laboratory Accreditation Program, Focus on Compliance webinar. February 16, 2022.
- Datay-Lim S, Puno R, Saceda RF, Nichols JH, Clarke W, Vesper H, Lubo-Kawano R. Management of POCT. AACC Global Lab Quality Initiative. CDC Cardiac Point-of-Care Testing (POCT) Virtual Workshop Program. Luzon, Philippines. (Virtual Recorded) February 2022.
- Datay-Lim S, Puno R, Saceda RF, Nichols JH, Clarke W, Vesper H, Lubo-Kawano R. Quality control – Internal assessment. AACC Global Lab Quality Initiative. CDC Cardiac Point-of-Care Testing (POCT) Virtual Workshop Program. Luzon, Philippines. (Virtual Recorded) February 2022.
- Datay-Lim S, Puno R, Saceda RF, Nichols JH, Clarke W, Vesper H, Lubo-Kawano R. POCT supply and inventory management. AACC Global Lab Quality Initiative. CDC Cardiac Point-of-Care Testing (POCT) Virtual Workshop Program. Luzon, Philippines. (Virtual Recorded) February 2022.
- Datay-Lim S, Puno R, Saceda RF, Nichols JH, Clarke W, Vesper H, Lubo-Kawano R. Risk management of POCT: Process control. AACC Global Lab Quality Initiative. CDC Cardiac Point-of-Care Testing (POCT) Virtual Workshop Program. Luzon, Philippines. (Virtual Recorded) February 2022.
- Datay-Lim S, Puno R, Saceda RF, Nichols JH, Clarke W, Vesper H, Lubo-Kawano R. Process and quality improvement. AACC Global Lab Quality Initiative. CDC Cardiac Point-of-Care Testing (POCT) Virtual Workshop Program. Luzon, Philippines. (Virtual Recorded) February 2022.
- Boguslavsky J, Nichols JH, Yu H-YE, Hohmeier K. Personalized POCT: Opportunities and Risks of At-Home Diagnostics in CHI's 11th Annual Point-of-Care Diagnostics virtual meeting part of the 29th International Molecular Med Tri-Con. February 21, 2022.

Invited Lectures: (Continued)

- 2022 Nichols JH. Innovative clinical applications of POCT in the 5th Munich POCT Symposium, Session 2 Innovative Clinical Applications of POCT in Different Settings (Hospital and Outpatient). Munich Germany, March 17, 2022.
- Gouget B, Nichols JH, Vaubourdolle M. Opportunities for decentralized testing in modern healthcare and dangers vs benefits of direct-to-consumer testing in EuroMedLab 2021 Viewpoint 6 Session, Regulating direct-to-consumer testing 2.0: Protecting the consumer. Munich, Germany. Rescheduled from 2021 to April 13, 2022.
- Nichols JH, Erasmus R, Kotani K, Kahn A. Risk management and regulatory changes for POCT in the International Federation of Clinical Chemistry World Lab Seoul 2022, Symposium 3 Value Added Laboratory Medicine of Point-of-Care Testing. Seoul, South Korea. Rescheduled from 2020 to June 29, 2022.

Non-Print Material

Patents:

- 1) POCT Access Data Management Software V1.0, Report of Invention (JHU Ref:DM - 3399), Nichols JH 4/98.
- 2) POCT Access Data Management Software V2.0, Report of Invention, Dyer K, Perfetto R, Nichols JH 5/98.
- 3) Point-of-Care Testing (POCT) Device Download Software, Client and Server (JHU Ref:DM-3541) Taylor MG, Davis JD, Saltz JH, Nichols JH 5/99
- 4) Point-of-Care Urine Interleukin-2 (IL-2) and Inducible Nitric Oxide Synthase (iNOS) Screening Test for Transplantation Rejection (JHU Ref: DM-3533) Nichols JH, Kuzdzal S 4/99
- 5) Container for a medical device, Rust M, Nichols J, Carlson N. Application US 13/743,636. Publication No US20130193130 A1 (August 1, 2013).United States Patent No: 9,096,364 B2, August 4, 2015.

Capitol Hill Visits and Briefings:

- 1) Capitol Hill Visit, American Association for Clinical Chemistry – Newborn screening and test harmonization. July 9, 2014.
- 2) Capitol Hill Visit, American Association for Clinical Chemistry – Newborn screening, test harmonization and laboratory developed tests. May 20, 2015.
- 3) Capitol Hill Visit, American Association for Clinical Chemistry – Laboratory developed tests and newborn screening. October 15, 2015.
- 4) Briefing, American Association for Clinical Chemistry - Precision medicine, test harmonization and direct to consumer testing. October 29, 2015.
- 5) Capitol Hill Visit, American Association for Clinical Chemistry – Test harmonization and LDT regulatory enhancements through existing CLIA oversight model. April 27, 2016.
- 6) Capitol Hill Visit, American Association for Clinical Chemistry – Personalized medicine, test harmonization and LDT regulatory enhancements through existing CLIA oversight model. May 3, 2017.
- 7) Capitol Hill Visit, American Association for Clinical Chemistry – Test harmonization, pediatric reference ranges, and LDT regulatory enhancements through existing CLIA oversight model. May 9, 2018.
- 8) Capitol Hill Visit, American Association for Clinical Chemistry – Reauthorization federal newborn screening programs and pediatric reference intervals. June 5, 2019.
- 9) Congressional Briefing, American Association for Clinical Chemistry – Point-of-care testing: Bringing the lab to the patient. October 2, 2019.

Blogs:

- 1) Does POCT creatinine meet performance specifications? National Academy of Clinical Biochemistry website blog. March 22, 2011.
- 2) Risk management in the clinical laboratory. National Academy of Clinical Biochemistry website blog. November 13, 2013.
- 3) House Committee passes 21st Century Cures; No LDT provision. AACC Artery, May 26, 2015.
- 4) AACC backs current LDT oversight model and development of harmonized test results. AACC Artery, May 27, 2015.
- 5) Representative Poe introduces legislation to delay ICD-10 implementation. AACC Artery, June 17, 2015.
- 6) AACC Government Affairs. Action Alert: Help shape AACC’s Direct to Consumer position statement. Have your voice heard. June 17, 2015.
- 7) House passes AACC-endorsed bills. AACC Artery, June 25, 2015.
- 8) AACC outlines views on precision medicine. AACC Artery, June 30, 2015.
- 9) CMS sponsoring free webinar on ICD-10 implementation, AACC Artery, July 24, 2015.
- 10) AACC opposes efforts to terminate AHRQ. AACC Artery, July 24, 2015.
- 11) GAO releases report on effects of medical device tax. AACC Artery, August 4, 2015.
- 12) AACC details views on DTC testing. AACC Artery, August 5, 2015.

Blogs: (Continued)

- 13) CMS conducting first meeting of lab payment advisory panel. AACC Artery, August 25, 2015.
- 14) Newborn Screening Advisory Panel recommends adding ALD to recommended list. AACC Artery, September 2, 2015.
- 15) CMS to release PAMA Proposed Rule in September. AACC Artery, September 2, 2015.
- 16) Federal Government seeks input on changes to Common Rule. AACC Artery, September 3, 2015.
- 17) AACC endorses bill to help young scientists. AACC Artery, September 10, 2015.
- 18) NIH initiating alternative National Children's Study. AACC Artery, September 11, 2015.
- 19) Upcoming FDA workshops on Next Gen Sequencing. AACC Artery, September 14, 2015.
- 20) NIH Advisory Group releases plan for building PMI Research Cohort. AACC Artery, September 22, 2015.
- 21) CMS released proposed payment determinations for 2016. AACC Artery, September 29, 2015.
- 22) House plans hearing on LDTs. AACC Artery, November 10, 2015.
- 23) AACC briefs congressional staffers on personalizing patient care. AACC Artery, November 10, 2015.
- 24) Energy and Commerce Panel discusses LDTs; AACC urges greater use of CLIA. AACC Artery, November 18, 2015.
- 25) AACC recommends changes to PAMA reporting requirements. AACC Artery, December 1, 2015.
- 26) Board of Directors takes AACC messages to Capitol Hill. AACC Artery, December 1, 2015.
- 27) AHRQ, with AACC support, survives effort to eliminate agency. AACC Artery, January 6, 2015.
- 28) Congress places two-year moratorium on Medical Device Excise Tax. AACC Artery, January 6, 2015.
- 29) FDA makes final LDT guidance a priority for 2016. AACC Artery, January 6, 2015.
- 30) AACC opposes Informed Consent for residual specimens. AACC Artery, January 7, 2016.
- 31) Administration seeks additional funding for Precision Medicine. AACC Artery, February 12, 2016.
- 32) Senate HELP backs NextGen Researcher Bill. AACC Artery, February 12, 2016.
- 33) FDA seeks input on reporting of genetic test results. AACC Artery, February 17, 2016.
- 34) FDA exploring challenges associated with POCT PT/INR devices. AACC Artery, February 18, 2016.
- 35) AACC urges CLIA modernization. AACC Artery, February 24, 2016.
- 36) Laboratory community seeks federal funding for harmonization. AACC Artery, March 8, 2016.
- 37) FDA holding workshop on mass spec. AACC Artery, March 16, 2016.
- 38) AACC supports additional funding for AHRQ. AACC Artery, March 29, 2016.
- 39) AACC urges lab involvement in ordering/interpreting genetic test results. AACC Artery, April 2, 2016.

Blogs: (Continued)

- 40) Senate HELP places new requirements on issuance of FDA guidance. AACC Artery, April 11, 2016.
- 41) AACC, March of Dimes urge more funding for Zika prevention. AACC Artery, April 19, 2016.
- 42) Legislators urge delay in PAMA implementation. AACC Artery, April 19, 2016.
- 43) CLSI blog. Recognition for POCT17-Ed1 Document Development Committee and James H. Nichols. May 19, 2016.
- 44) AACC backs congressional delay of FDA LDT guidance. AACC Artery, May 17, 2016.
- 45) GRC visits Capitol Hill. AACC Artery, May 17, 2016.
- 46) AACC Government Affairs, Action Alert: Comment on AACC's new draft position statement. May 17, 2016.
- 47) AACC makes statement at FDA mass spec workshop. AACC Artery, May 17, 2016.
- 48) FDA seeks comment draft NGS guidance. AACC Artery, June 1, 2016.
- 49) CMS releases improved PAMA rule. AACC Artery. June 21, 2016.
- 50) AACC urges CMS to revisit nurse equivalency decision. AACC Artery, June 22, 2016.
- 51) AACC seeks better pediatric reference ranges. AACC Artery, July 7, 2016.
- 52) FDA issues draft guidance for NGS. AACC Artery, July 8, 2016.
- 53) AACC-led harmonization efforts get congressional backing. AACC Artery, July 15, 2016.
- 54) AACC releases new policy report to advance children's health. AACC Artery, August 9, 2016.
- 55) FDA finalizes BGM guidance documents. AACC Artery, October 12, 2016.
- 56) FDA decides against releasing final LDT guidance. AACC Artery, November 22, 2016.
- 57) VA backs AACC perspective and reverses course on APRNS performing lab tests. AACC Artery, December 20, 2016.
- 58) AACC-backed measures included final CURES Act. AACC Artery, December 21, 2016.
- 59) Pleural Fluid (pH) and collection on ice. AACC Artery Management Sciences and Patient Safety Community, November 7, 2017.

Podcasts:

- 1) Kaye R. A laboratory risk assessment during the coronavirus (COVID-19) pandemic. JALM April 2020. <https://www.aacc.org/science-and-research/journal-of-applied-laboratory-medicine/jalm-talk/2020/laboratory-risk-assessment-during-the-coronavirus-covid19-pandemic> (accessed 12/2021)
- 2) Peabody S. Preanalytical sample handling for hemoglobin A1c. Siemen's Healthineers Key Opinion Leaders Session. July 2021.
- 3) Kotapalli R. Pre-analytical sample handling for decentralized urinalysis. Siemen's Healthineers Key Opinion Leaders Session. July 2021.
- 4) McDowell J. Lipase in the diagnosis of Acute Pancreatitis. *CAPcast* January 2022.

Interviews:

- 1) Chapman B. Bringing glucose testing to the bedside. *CAP Today* 1995;9(2):1, 18-28.
- 2) Boyce N. Sampling techniques may interfere with glucose test results. *Clin Lab News* 1995;21(12):9, 19.
- 3) AACC editorial staff. FDA seeks input on self-monitoring blood glucose systems. *AACC's Government Affairs Update*. May 1997:3.
- 4) Boyce N. Making the transition from dictator to facilitator: Lab leadership on a POCT team. *Clin Lab News* 1998;24(4):14-17.
- 5) Wallask S (ed.) Point-of-care testing: The need for a POCT committee. *Briefings on Laboratory Safety and Accreditation*. 1998;4(11):1-3.
- 6) Wallask S (ed.) Point-of-care testing: Quality control efforts examined. *Briefings on Laboratory Safety and Accreditation*. 1998;4(12):1-3.
- 7) Brzezicki LA. The POCT challenge. *Advance Administrators Lab* 1999;8(2):28-34.
- 8) Check W. Connectivity at core of POC growing pains. *CAP Today* 1999;13:1-30.
- 9) Benneward P. Effective medical tests you can do at home. *Johns Hopkins Medical Letter/Health After 50*. September 1999:4-5.
- 10) Brzezicki LA. Economics and outcomes at the point-of-care. *Advance Administrators Lab* 1999;8:72-4.
- 11) Sprovieri J. The ROI of POC testing: An overview. *Crit Care News*. *CAP website*. September 1999, pp. 1-4.
- 12) Overcoming point-of-care testing connectivity obstacles. *Clin Lab Strategies* 1999;4(12):1,8.
- 13) Kennedy M. Critical success factors for POC testing committees. *Crit Care News*. *CAP website*. January 2000, pp. 1-5.
- 14) Brzezicki LA, Tarapchak P. Industry News Investigative Report: Abbott Laboratories under a close eye. *Advance Administrators Lab* 2000;9(3):48-51.
- 15) Skjei E. Quest for connectivity spawns consortium. *CAP Today*. 2000;14(6):39-48.
- 16) Ramos L. A daring approach to quality control: Some experts say it is time to rewrite the rules of quality control, starting with point-of-care testing. College of American Pathologists Critical Care Information Center website, June 2000
- 17) Uhling M. Under the skin: Sorting through the hype and hope for noninvasive POC devices. *CAP Today*. 2000;14(7):52-68.
- 18) Sandrick K. Moving blood gas testing to the point of care. *CAP Today*. 2000;14(8):37-42.
- 19) Paxton A. POC testing. Beefed-up QC gives rise to ruckus. *CAP Today* 2001; 15(1):1-52.
- 20) Paxton A. Clutter-free POC testing nearing reality. *CAP Today* 2001; 15(3):1-4.
- 21) Tarapchak P. The Powerhouse behind POCT: Emerging applications of point-of care connectivity are offering accuracy expediency and convenience for POCT data management. *Advance Administrators Lab* 2001; 10(5):42-6.
- 22) Drummond A. A reality check for device manufacturers. *MD & DI*, 2001; 23(4):19.
- 23) Reder A. Regulating the point of care: The IVD Connectivity Industry Consortium. *MD & DI*, 2001; 23(4):63-73.

Interviews: (Continued)

- 24) Glenn J. Home testing market: For consumers who want to take charge of their own health. Lab Tests online website. August 2001.
- 25) Paxton A. Labs waver on whether to bill for POC tests. *CAP Today* 2001; 15(8): 1, 47-52.
- 26) Boschert S. No evidence of better outcomes. Point-of-care test misuse in inpatients. *Internal Medicine News*, April 1, 2002.
- 27) Flanagan T. The inside story from Abbott Diagnostics. Sixteen in a Series. *CAP Today* 2002;16(7):13, 114.
- 28) Lazear L. POC connectivity driven by customers *Clin Lab Products*, November 2002.
- 29) Morgan D. (Editor) Quality improvement: Aviation industry can help you soar through quality issues. *Eli Research Laboratory Reimbursement & Compliance Alert* 2002; December:112-3.
- 30) Auxter S. NACB takes evidence-based approach to LMP Guidelines: Cardiac marker, POCT, and other LMPGs in the works. *Clin Lab News*. July 23, 2003, special edition: 1, 8.
- 31) POCT e os laboratórios clínicos. *Patologia Clínica News*. Julho 2003;22:3-4.
- 32) Taking your POCT program to the next level. *Clin Lab Strategies* October 2003;8(10):3-4.
- 33) Taking your POCT to the next level Part II. *Clin Lab Strategies* December 2003;8(12):3-4.
- 34) The faces of POCT connectivity: An interview with Dr. Nichols. POCT Improving the Health of Your Institution Website 7/15/04.
- 35) Harrell K. Test yourself: Wider array of home kits available for concerned consumers. *Pensacola News Journal*, Life Section, April 18, 2004.
- 36) Auxter-Parnham S. CLIA interpretive guidelines debut on CMS web site: EQC options now applicable to broader spectrum of laboratory testing. *Clin Lab News*. 2004;30(2):1, 8-10.
- 37) Baystate Medical Center. *Lab Circle* May 2004.
- 38) Kusterbeck S. (Editor) Complying with JCAHO's read-back requirement: Take steps to reduce communication errors. *Hospital Peer Review* June 2004;29(6):78, 83-84.
- 39) Dilulio R. The evolution of medicine: Applying EBM to POCT results in useful guidelines that improve medical care and outcome. *Clin Lab Products* August 2004;33(8):36.
- 40) Appold K. At the Bedside: Improving your POCT program. *Advance for Administrators of the Laboratory*. October 2004;13(10):10-12.
- 41) Lusky K. Using rapid PTH assay in the OR: It's about time. *CAP Today* October 2004;18(10):26, 30, 32, 34.
- 42) Downer K. NACB presents draft of LMPG for POCT. *Clin Lab News*. October 2004; 30(10):19.
- 43) Quinones K (editor). Time for a new waived test? Here's how to get the best deal. *Laboratory Reimbursement & Compliance Alert*. January 2005;8(1) 1-2.
- 44) McDowell J. What's coming in point-of-care testing: Australia set to conduct nationwide POCT trial and NACB moving toward completion of POCT guidelines. *AACC e-News Strategies*. January 13, 2005.

Interviews: (Continued)

- 45) Parham S. In right setting, POC testing can be kid stuff. *CAP Today*. 2005;19(3):1,12-18.
- 46) Make quality your point-of-care testing program's policy: Expert advice to keep your testing under control. *Laboratory Reimbursement & Compliance Alert*. May 2005;8(5):33-40.
- 47) McDowell J. Revisiting equivalent quality control: Why one size does not fit all. *Clin Lab News*. June 2005;31(6):1-3,6.
- 48) Industry Pulse. CLSI – POCT Committee: Dynamic energy committed to developing practical, contemporary solutions. *Resource* 2005;Q3.
- 49) Glenn J. With home testing, consumers take charge of their own health. AACC Lab Tests Online website, May 2005
- 50) Davidow J. Surge in home diagnostic kits provides doctor in a box. *Seattle Post-Intelligencer* March 29, 2006.
- 51) Epocal Press Release. EPOCAL receives FDA approval to market the EPOC™ Blood Analysis System. October 10, 2006.
- 52) Mukhopadhyay R. Devices to drool for. *Analytical Chemistry* July 1, 2006;78:4255-9.
- 53) HemoCue Press Release. HemoCue introduces a next generation point-of-care blood glucose test system at EASD in Copenhagen; receives US FDA 510(k) clearance. September 14, 2006.
- 54) Dilulio R. 2007 Product wish lists. *Clin Lab Products*. January 2007;36(1):26-7.
- 55) Lusky K. Reality check for POC testing – making it work. *CAP Today*. January 2007;21(1): 61-2,64,66.
- 56) Ford A. In acquiring lab instruments, the stakes have gotten higher. *CAP Today*. July 2007;21(7):99-110.
- 57) Levenson D. The challenges of point-of-care connectivity: How a new tool can aid labs with device and data system purchasing. *Clin Lab News* July 2007;33(7):1-6.
- 58) Lab Institute 2007 Session Summary. Point of Care Testing Strategies. *Washington G2 Reports*. Nov 2007.
- 59) Kibak P. CMS rolls out new CLIA policy changes: What labs can expect. *Clin Lab News* Feb 2008;34(2):1,5-7.
- 60) Clinical and Laboratory Standards Institute. Customers and volunteers pleased with new CLSI website. *CLSI eNews* March 3, 2008.
- 61) Ford A. Speeding toward real-time with POC glucoses. *CAP Today*. March 2008;22(3);5-8.
- 62) Lusky K. PT referral raising red flags with CMS. *CAP Today*. March 2008;22(3);1, 40-2, 44.
- 63) Levenson D. Stuck in the middleware: Labs look for answers as new consortium aims to untangle the mess. *Clin Lab News* May 2008;34(5):1,6-9.
- 64) Malone B. Risk management for the clinical labs. *Clin Lab News* Nov 2008;34(11).
- 65) CLSI Volunteer Focus. James H. Nichols, Ph.D. *CLSI News*. 2008
- 66) Paxton A. Point of care sagas: A tale of three cities. *CAP Today*. Jan 2009;23(1):1,56-61.
- 67) Michel RL. Need rigorous validation for home brew assays. *Dark Report*. Feb 23, 2009;16(3):15-.8.
- 68) Axis-Shield Press Release. Afinion performance affirmed in new publication. March 16, 2009.

Interviews: (Continued)

- 69) Smith TJ. Interfacing POCT. *Advance for Administrators of the Laboratory*. May 2009;18(5):60-2.
- 70) Paxton A. Big tests, small problems – POCT documentation. *CAP Today*. May 2009;23(5):18-26.
- 71) Lusky K. Vitamin D intrigues, but not a done deal. *CAP Today*. June 2009;23(6):1-8.
- 72) AACC-Russian collaboration with the Russian Association for Medical Laboratory Diagnostics. (RAMLD). AACC News. Accessed Aug 1, 2009.
- 73) Khorovskaya L. IFCC-Russian collaboration: Conference “Optimization of dialogue between clinicians and laboratory: Metrological aspects on quality. *IFCC e-Newsletter*. September 2009.
- 74) Rollins G. Lab medicine outlook: What will the coming decade bring? *Clin Lab News* Jan 2010;36(1):1-6.
- 75) Ford A. Eye to the basics, not baubles for point-of-care testing. *CAP Today* 2010;24(1):60-4.
- 76) Diiulio R. The right stuff: Experts recommend health systems evaluate the “right stuff” to produce the “right results” running blood gases in the pediatric population. *Respiratory Therapy*. April 2010:20-4.
- 77) Westgard S. A brisk intro to risk. June 2, 2010.
- 78) Lusky K. Boning up on vitamin D testing advances. *CAP Today* 2010;24(6):1, 84-92.
- 79) Hansen G. Amerikansk besøk. *Bioingeniøren* May 2011.
- 80) Rollins G. Implementing POC creatinine testing in radiology: Improved operational efficiencies outweigh incremental costs. *AACC Clin Lab Strategies* August 11, 2011.
- 81) Park R. Technological and regulatory developments in point of care. *IVD Technology* July/August 2011;17(4)
- 82) Holm A. CLSI publishes new guideline: Laboratory quality control based on risk management (EP23-A). Clinical and Laboratory Standards Institute Press Release. October 2011.
- 83) CLSI volunteer focus. W. Gregory Cooper, LLC. Taking responsibility for laboratory quality. Clinical and Laboratory Standards Institute. eNews, November, 2011.
- 84) Saliva tests may be moving toward clinical adoption though verdict still out on noninvasive diagnostics. G2- Diagnostic Testing and Technology Report. 2012;12(3):5-7.
- 85) CMS developing revised QC guidelines for labs. G2 Intelligence March 2012.
- 86) Student collaborates with Baystate Medical Center to solve clinical need for reliable cold weather glucose testing. Western New England University eNews. March 2012.
- 87) LabRoots. EKF Diagnostics and Stanbio to jointly exhibit expanded IVD portfolio for first time at AACC. June 20, 2012.
- 88) Free Press Release. Success at AACC 2012 for EKF Diagnostic Group’s IVD solutions. Clinical support for StanBio beta-hydroxybutyrate Liqui-Color reagent system. August 4, 2012.
- 89) Alto Marketing. Success at AACC 2012 for EKF Diagnostic Group’s IVD solutions. Health Headlines. August 9, 2012.

Interviews: (Continued)

- 90) Foreback C. Diabetes epidemic: Increasing threat to our health care system. *Clin Lab Products*, November 2012.
- 91) Paxton A. An uneasy dance with POC glucose in the ICU. *CAP Today*. October 2013;27(10):1,14-20.
- 92) Errori nel POCT: Quando una situazione improbabile diviene possibile ed il ruolo delle linee guida CLSI EP23A. *Il Notiziario di Point-of-Care* 2013;3(6):4-7.
- 93) Appold K. Leading-edge developments in point-of-care testing. *Clin Lab Products* January 2014.
- 94) Paxton A. How POC testing is pushing the envelope. *CAP Today*. April 2014;28(4)
- 95) Malone B. FDA moves on blood glucose meters. *Clin Lab News* May 2014;40(5)
- 96) Helio. AACC calls FDA's proposed method to improve glucose meters a 'burden'. *Endocrinology Today* May 11, 2014.
- 97) Halasey S. Glucose, under analysis. FDA guidances raise issues of safety and efficacy for monitoring diabetic patients. *Clin Lab Products* June 13, 2014.
- 98) PRNewswire. AACC supports FDA effort to improve blood glucose meters but believes the new standards could encumber the use of these monitors without benefiting patients. June 17, 2014.
- 99) Halasey S. Inside Track: Study time. AACC asks for early studies of PAMA's market-based reimbursement system. *Clin Lab Products* July 25, 2014.
- 100) Philippidis A. Point-of-care reaches a crossroads. *Clinical OMICS* August 13, 2014:22-25.
- 101) Paxton A. Risk management steps up lab's QC game under IQCP. *CAP Today* September 2014;28(9)
- 102) Paulsen E. Clinical Practice Corner: Balancing the pros and cons of point-of-care testing. *Clinical Practice Today* from Duke University February 2015.
- 103) French D. AACC SYCL 360 Podcast March 2015. Interview with Dr. James Nichols, Chair of Professional Practice in Clinical Chemistry Course
- 104) AACC CLN Stat. Webinar to explore future of LDT's: Following FDA's proposed draft guidance, experts explore potential implications. Mar 19 2015.
- 105) AACC Smart Brief Trends in clinical diagnostics. Top Stories: Labs respond to guidance on use of glucose meters in critically ill patients. May 5, 2015.
- 106) Clinical Laboratory News. Glucose meters in critically ill patients: What new guidance means for labs. May 6, 2015
- 107) AACC CLN Stat. Taking on Capitol Hill. Key AACC committee discusses LDT regulation, value of lab tests. June 18, 2015
- 108) Radiometer Press Release. Radiometer announces new IQCP tool for all ABL90 FLEX analyzer customers. *Clinical News Journal Preshow* July 27, 2015 pg 68.
- 109) Curtin C. At AACC, Clinical labs air concerns regarding FDA's draft LDT guidance. *GenomeWeb* July 31, 2015.
- 110) AACC CLN Stat. Predictions on laboratory developed test regulation: In AACC webinar, Dr. James Nichols, Mr. Peter Kazon to offer insights into FDA's proposed oversight. October 29, 2015.
- 111) Stockton N. Fixing the laws that let Theranos hide data won't be easy. *Wired News*. October 20, 2015.

Interviews: (Continued)

- 112) Lopetto E, Duhaime-Ross A. FDA inspector slams Theranos for poor quality management. Theranos didn't document quality audits and there's no way for customers to complain. *The Verge* October 27, 2015.
- 113) Duhaime-Ross A, Lopetto E. Theranos' proprietary tech wasn't vetted by federal inspectors for two years. The more we learn about Theranos, the more questions we have. *The Verge* December 30, 2015.
- 114) Lab Tests Online. With home testing, consumers take charge of their health. December 2015.
- 115) Duhaime-Ross A. Here's what Theranos customers need to know: What a critical inspection means for the company and for patients. *The Verge*. February 1, 2016.
- 116) Scott K. Future of LDT oversight still uncertain: Stakeholders propose alternatives to FDA regulation. *Clin Lab News* April 1, 2016.
- 117) Burdg J. Changes are coming: What you need to know about laboratory developed tests. *Laboratory Equipment*. April 13, 2016.
- 118) AACC CLN Stat. Who should regulate LDTs? FDA continues with stepped-up oversight plans amid debate about who should regulate. April 21, 2016
- 119) CLSI. Now available from CLSI: Use of glucose meters for critically ill patients, 1st edition, POCT17. May 9, 2016.
- 120) Scott K. Medicare delays new laboratory payment system. *Clin Lab News* August 1, 2016.
- 121) McCudden C. Death and taxes: The inevitability of new laboratory regulations. *Clin Lab News Daily*. August 2, 2016.
- 122) Eggers C. The end of a presidency: Advocacy efforts for personalized medicine. *Clin Lab News Daily*. August 3, 2016.
- 123) Kaleta E. Reinventing the future through transformative technology. *Clin Lab News Daily*. August 3, 2016.
- 124) Diller W. The long road to less invasive blood collection. *The Med Tech Strategist*. Nov 16, 2016;3(16):30-31.
- 125) Dalton L. Sticking points: Raising the quality of fingerprick blood testing will require innovation at every stage of the process. *ACS Central Science*. December 2016 Reprinted in C&EN January 2, 2017.
<http://pubs.acs.org/doi/pdf/10.1021/acscentsci.6b00377> (accessed 1/2022)
- 126) Thompson D. Medical reality catches up to science fiction. *HealthDay News* August 1, 2017. Reprinted in U.S. News and World Report, Health Care
<http://www.medicinenet.com/script/main/art.asp?articlekey=205793> (accessed 1/2022)
- 127) Tolan NV. Direct-to-consumer testing: A new paradigm for point-of-care testing. *Point of Care* 2017;16(3):108-111.
- 128) Nichols J. 3 Steps to transforming the lab-doctor relationship. LabLeaders.com
<http://resourcecenter.lableaders.com/premium/3-steps-to-transforming-the-lab-doctor-relationship> (accessed 01/2019)

Interviews: (Continued)

- 129) Nichols J, Kremitske D, Santrach PJ, Fitch D, Zibrat S. 3 Steps you can take to retain patients with POC Testing. LabLeaders.com <http://resourcecenter.lableaders.com/premium/3-steps-you-can-take-to-retain-patients-with-poc-testing> (accessed 01/2019)
- 130) Santrach P, Nichols J. 3 Ways labs can adapt to the rise of consumerism in healthcare. LabLeaders.com <http://resourcecenter.lableaders.com/premium/3-ways-labs-can-adapt-to-the-rise-of-consumerism-in-healthcare> (accessed 01/2019)
- 131) Nichols J, Santrach P, Zibrat S, Kremitske D, 4 Ways the lab can bridge the gap for multidisciplinary integration. <http://resourcecenter.lableaders.com/premium/4-ways-the-lab-can-bridge-the-gap-for-multidisciplinary-integration-3> (accessed 01/2019)
- 132) Kremitske DL, Nichols J. Celebrating the role of the POCC. <http://resourcecenter.lableaders.com/premium/celebrating-the-role-of-the-pocc-4> (accessed 01/2019)
- 133) Bennett M, Fitch D, Kremitske D, Nichols J, Hattab E, Zibrat S. Don't let your lab get lost in transition. <http://resourcecenter.lableaders.com/premium/dont-let-your-lab-get-lost-in-transition> (accessed 01/2019)
- 134) Hattab E, Kremitske D, Santrach P, Nichols J. Four keys to empowering better change management in the lab. <http://resourcecenter.lableaders.com/premium/four-keys-to-empowering-better-change-management-in-the-lab> (accessed 01/2019)
- 135) Kremitske D, Santrach P, Nichols J. Four ways to prepare great laboratorians to be great managers. <http://resourcecenter.lableaders.com/premium/four-ways-to-prepare-great-laboratorians-to-be-great-managers> (accessed 01/2019)
- 136) Nichols JH. Reimagining workflow following lab consolidation. <http://resourcecenter.lableaders.com/premium/reimagining-workflow-following-lab-consolidation> (accessed 01/2019)
- 137) Hattab E, Santrach P, Nichols J, Bennett M. Six tips for process improvement in your lab. <http://resourcecenter.lableaders.com/premium/six-tips-for-process-improvement-in-your-lab> (accessed 01/2019)
- 138) Fitch DJ, Nichols J, Kremitske DL. Transitioning the lab from a clinical partner to a business partner. <http://resourcecenter.lableaders.com/premium/transitioning-the-lab-from-a-clinical-partner-to-a-business-partner> (accessed 01/2019)
- 139) Nichols J, Kremitske D, Hattab E, Zibrat S. Why IT is the most central investment in the future of the lab. <http://resourcecenter.lableaders.com/premium/why-it-is-the-most-central-investment-in-the-future-of-the-lab> (accessed 01/2019)
- 140) Blood glucose meter best practices in critical care. Help for hospitals arrives in two documents; experts to detail how to improve accuracy despite analytical challenges. CLN Stat, July 24, 2018. <https://www.aacc.org/publications/cln/cln-stat/2018/july/24/blood-glucose-meter-best-practices-in-critical-care> (accessed 01/2019)
- 141) Proffitt A. Changing the mindset of hospital blood draws and point-of-care diagnostics. July 18, 2018. *DW Diagnostics World News* <https://twitter.com/DXWorldNews/status/1019606199988350976> (accessed 01/2019)

Interviews: (Continued)

- 142) Scott K. AACC calls for improved oversight of waived testing laboratories: Federal Insider: November 2018. *Clin Lab News* 11/1/2018.
<https://www.aacc.org/publications/cln/articles/2018/november/aacc-calls-for-improved-oversight-of-waived-testing-laboratories> (accessed 01/2019)
- 143) Ford A. Devices, decisions: POC glucose in the critically ill. January 2018. *CAP Today*.
<http://captodayonline.com/devices-decisions-poc-glucose-critically-ill/> (accessed 01/2019)
- 144) Scott K. The labs no one inspects: The number of sites without laboratory experts has skyrocketed with little oversight. January 1, 2019. *Clin Lab News*
<https://www.aacc.org/publications/cln/articles/2019/janfeb/the-labs-no-one-inspects> (Accessed 12/2019)
- 145) Paxton A. HbA1c platforms studies for lipemia interference. February 2019. *CAP Today*.
<https://www.captodayonline.com/hba1c-platforms-studied-for-lipemia-interference/> (accessed 12/2019)
- 146) Kirkwood J. Rethinking innovation in the core lab. New markers, integrated platforms, and informatics shape the future of clinical chemistry. April 1, 2019. *Clin Lab News* <https://www.aacc.org/publications/cln/articles/2019/april/rethinking-innovation-in-the-core-lab> (Accessed 12/2019)
- 147) Miller JA. Standing up to the opioid epidemic: AACC is calling for a multidisciplinary, team-based approach that draws on clinical laboratorian's unique expertise. September 1, 2019. *Clin Lab News*
<https://www.aacc.org/publications/cln/articles/2019/september/standing-up-to-the-opioid-epidemic> (accessed 12/2019)
- 148) Halasey S. Automating quality control: Labs reap the benefits of automated QC and interlaboratory peer-reporting systems. September 2019, pages 16 - 19. *Clin Lab Products* <http://digitaledition.clpmag.com/clpmag/diged/201909/index.html> (accessed 12/2019)
- 149) Point-of-care testing: Technology in transition: Dynamic and growing field faces regulatory, reimbursement challenges. October 17, 2019. *CLN STAT*
<https://www.aacc.org/publications/cln/cln-stat/2019/october/17/point-of-care-testing-technology-in-transition> (accessed 12/2019)
- 150) The pinnacle of preference, circa 2019. 5 most read studies in The Journal of Applied Laboratory Medicine address pediatric phlebotomy practices, sepsis biomarkers, 3 novel testing methods. December 19, 2019. *CLN STAT*
<https://www.aacc.org/publications/cln/cln-stat/2019/december/19/the-pinnacle-of-preference-circa-2019> (accessed 12/2019)
- 151) Diabetes management in the time of COVID-19 FDA change allowing personal glucose meter use in hospitalized patients warrants close laboratorian-clinician collaboration. May 21, 2020. *CLN STAT* <https://www.aacc.org/cln/cln-stat/2020/may/21/diabetes-management-in-the-time-of-covid-19> (accessed 12/2020)

Interviews: (Continued)

- 152) DeLong C. AACC releases guidance document on using point-of-care tests to improve patient care. June 4, 2020. *AACC Press Release*
<https://www.aacc.org/media/press-release-archive/2020/06-jun/aacc-releases-guidance-on-using-point-of-care-tests-to-improve-patient-care> (accessed 12/2020)
- 153) Key ingredients for point-of-care testing excellence. Updated AACC guidance calls for close collaboration between laboratorians and other healthcare professionals through interdisciplinary committees to oversee programs, ensure best practices. July 2, 2020 *CLN STAT* <https://www.aacc.org/cln/cln-stat/2020/july/2/key-ingredients-for-point-of-care-testing-excellence> (accessed 12/2020)
- 154) Lab operations in the time of COVID-19. July 16, 2020. *CLN STAT*
<https://www.aacc.org/cln/cln-stat/2020/july/16/lab-operations-in-the-time-of-covid-19> (accessed 12/2020)
- 155) Gutow H. DTS CGM and AID Systems in the hospital consensus guideline panel publishes 77 guidelines for in-hospital use of CGM and AID. Closer Look October 9, 2020. www.closeconcerns.com (accessed 12/2020)
- 156) The AACC Academy Sessions. Three symposia highlight new guidance on using procalcitonin, investigating acute kidney injury, and managing point-of-care testing. December 9, 2020. *CLN STAT* <https://www.aacc.org/cln/cln-stat/2020/december/9/the-aacc-academy-sessions> (accessed 12/2020)
- 157) Management of point-of-care testing: An AACC Academy Laboratory Medicine Best Practice Guideline. *AACC TV Focus on Science for the 2020 AACC Annual Scientific Meeting & Clinical Laboratory Expo Virtual*.
<https://www.youtube.com/watch?v=WWMKD2uc70&list=PL9CZabk3nD4Ec2xQG8fIbHLucISe6CRdv&index=26&t=4s>
(accessed 12/2020)
- 158) Cotton SW. Taming the point-of-care beast with updated AACC Academy guidance. December 15, 2020. *CLN Daily* <https://www.aacc.org/cln/cln-daily/2020/taming-the-point-of-care-beast-with-updated-aacc-academy-guidance> (accessed 12/2020)
- 159) Miller JA. Artificial intelligence is poised to transform point-of-care testing. April 1, 2021. <https://www.aacc.org/cln/articles/2021/april/artificial-intelligence-is-poised-to-transform-point-of-care-testing> (accessed 12/21)
- 160) Palmer K. The Theranos scandal cast a pall over self-testing. The pandemic is giving the industry another shot. August 26, 2021. *STAT+*
<https://www.statnews.com/2021/08/26/theranos-home-testing-elizabeth-holmes/> (accessed 12/2021)
- 161) Hicks L. Moving past Theranos: What is possible with blood analysis? October 26, 2021 *WebMD Health News* <https://www.medscape.com/viewarticle/961572> (Accessed 12/2021)
- 162) Newitt VN. Latest checklist takes quality management to the next level. November 2021. *CAP Today* <https://www.captodayonline.com/latest-checklist-takes-quality-management-to-next-level/> (Accessed 12/2021)

Interviews: (Continued)

- 163) Gouget B, Gruson D, Bernardini S. The C-MHBM ahead: Catching the wave of POCT with IVD contribution to technological innovation. December 2021. *IFCC eNews* <https://www.ifcc.org/media/479250/ifccnewsdecember2021.pdf> (accessed 12/2021)
- 164) Waltz E. Elizabeth Holmes verdict: Researchers share lessons learned for science. January 4, 2022. *Nature* doi: <https://doi.org/10.1038/d41586-022-00006-9> (accessed 01/2022)

Nichols CV012022