

Descriptions of Sessions

Participants should print their own handouts and bring them to the conference.
Paper copies of handouts will not be furnished at the sessions.

Wednesday, April 7

9:00 – 10:15

Managing preanalytical variables in venipuncture collection

Speaker: Lorraine Tyndall, MS,MT(ASCP) Becton, Dickinson Diagnostics, Pre analytical systems 2 hour session

Windsor Ballroom VI

Managing Preanalytical variables in specimen collection is an intermediate course intended for phlebotomists, laboratorians, nurses and other healthcare professionals responsible for the collection, handling, processing and diagnostic testing of specimens in the clinical laboratory. A basic knowledge of phlebotomy and clinical laboratory science is required. The objective/goal of the program is to provide an understanding of the importance of factors that influence preanalytical variables in specimen collection, processing/handling. Identify preanalytical sources of error and their impact. Focus will be placed on established guidelines, procedures and techniques for proper venipuncture, specimen collection, processing and handling.

Topic to be announced.

Speaker: Thomas Safranek, MD State Epidemiologist at Nebraska Department of Health
Windsor Ballroom VIII

Identification Review of *Plasmodium* species.

Speaker: Anita Smith MT(ASCP) Alegent Health

Windsor Ballroom IX

Review the life cycle stages and diagnostic characteristics of *Plasmodium* species that are used in identification of the organism. Bench aids will be presented for future reference.

9:00 – 10:15 (continued)

Revolutions in infection prevention.

Speaker: Peggy Prinz Luebbert MS,MT(ASCP) , CIC, CHSP Healthcare Interventions, Inc.
Windsor Ballroom X

As health issues have evolved over the last 25 years so has our practices. This seminar will discuss three of the most prominent “revolutions” and how we have responded. We will also look at what is evolving today, in particular with infection prevention and what tomorrow could bring.

10:30 – 11:45

Continuation of Managing preanalytical variables in venipuncture

Collection 2nd hour

See details at the 9:00 session description.

Update in diagnosing infectious disease states

Speaker: Kathryn L. White MT(ASCP),RN, BSN Nebraska Department of Health &
Human Services

Windsor Ballroom VIII

This presentation will focus on newer algorithms used to diagnose Hepatitis C, HIV, Syphilis, and TB. Included in this will be the new “gold” standard for screening a positive TB case and confirming a rapid HIV EIA test with 2nd rapid HIV EIA.

Inventory Management – and the background for what we do

Speaker: Vicki A. Simons American Red Cross, Midwest Region Blood Services
Windsor Ballroom IX

This session will cover inventory management of the main blood product groups including stock assessment, inventory management tactics and practices. The session will also include related topics such as transportation challenges, rotation variations and inventory information related to Critical Access Hospitals.

10:30 – 11:45 (continued)

Clinical utility of Procalcitonin in Sepsis

Speaker: Bridget Teddie Proctor BSN,RN Thermo Fisher Scientific Clinical Consultant
Windsor Ballroom X

Sepsis is a deadly and widespread syndrome. It can be very difficult to diagnose and early detection is key to survival. Procalcitonin is a biomarker that shows great utility in the detection of early bacterial sepsis. Participants will understand how PCT can be used in sepsis.

1:00 – 2:15

Automating urinalysis

Speaker: Linda McGowan CCS Clinical and Customer Care Specialist, Iris Diagnostics
Windsor Ballroom VII

Attendees will be able to compare the various automated instruments and methods used in the laboratory, evaluate which application may be best for their situation, assess semi-automated versus fully automated instrumentation and formulate justification for automation of urinalysis.

Emerging infections: Are microbes winning the battles and the war?

Speaker: Roxanne Alter MS,MT(ASCP) Assistant Professor University of Nebraska
Medical Center

Windsor Ballroom VIII

An overview of how microbial organisms continue to out smart humans using pathogenicity islands, gene rearrangement, antigenic shifts and other evolutionary mechanisms. This discussion will incorporate human factors that impact bacterial transposition, driving opportunistic to pathogenic. Examples such as travel and commerce, socio-economic, behavior factors and population will be explored.

Back to the Basics: A review of basic blood banking

Speakers: Kelly Kezeor MT(ASCP) and Susanne Bishop MS,MT(ASCP) American Red
Cross Midwest Region

Windsor Ballroom IX

This presentation is geared toward staff rotating in the blood bank. Discussion will include pre-transfusion testing requirements, different techniques employed for red cell antibody identification, and review of general blood bank methods. The session will conclude with case studies, allowing participants an opportunity to demonstrate what they have learned.

1:00 – 2:15 (continued)

Cardiac Solutions: Better information for better patient care

Speaker: Dr. Dave Schaffner Beckman Coulter

Windsor Ballroom X

This presentation discusses the dynamics of acute coronary syndrome and the pathogenesis of the disease. The role of cardiac markers and in particular cardiac troponin will be illustrated along with its relationship to measurement with current methodologies. The session will describe how the analytical and clinical sensitivity of a cardiac troponin assay can impact patient care. Pre-analytical and analytical factors necessary to ensure optimal clinical sensitivity and precision will also be discussed.

2:30 – 3:45

Communication 101 : What everyone needs to know

Speaker: Theresa Ortner BA,MLS(ASCP)^{CM} University of Iowa Hospitals and Clinics

Windsor Ballroom VII

How effective are you at communicating? Do you get your ideas and points across clearly? This workshop will help you to communicate better with not only face-to-face, but through e-mails, phone conversations and maybe even the occasional text.

Influenza Pandemic: Lessons learned

Speaker: Sharon Medcalf RN, M.Ed Center for Biopreparedness Education

Windsor Ballroom VIII

Participants will be given some baseline information about influenza pandemics in terms of transmission, incubation, symptoms and treatment. Differences between influenza epidemic and pandemics will be explored along with some historical data on past pandemics. The following experiences from the 2009 H1N1 pandemic will be discussed: The virus epidemiology, surveillance, vaccine manufacturing and dispensing in clinics and public health measures to control pandemic transmission.

2:30 – 3:45 (continued)

Challenges in C. difficile diagnosis

Speaker: Dr. Norm Moore Inverness Medical Professional Diagnostics
Windsor Ballroom IX

The lecture will give information on C. difficile, including the types and toxin, followed by risk factors. It will then shift to the diagnostic methods available. Papers showing testing algorithms will then be discussed followed by treatment.

Promoting patient safety through a multidisciplinary team approach

Speakers: Nancy Cornish, MD and Vicki Dolan MT(ASCP)
Methodist Hospital Pathology
Windsor Ballroom X

Patient safety is the responsibility of the entire health care team. In attending this session, you will learn how a multidisciplinary team of professionals in nursing, the laboratory, performance improvement, and medicine at one community hospital collaborated to address a urine specimen contamination issue impacting the quality of care provided to patients.

4:00 – 5:15

Team Building 101 : Learning to work together

Speaker: Theresa Ortner BA, MLS(ASCP)^{CM} University of Iowa Hospitals and Clinics
Windsor Ballroom VII

Learning to work with others and build a better work relationship. How to put together people to make the best team possible. How to manage possible conflicts between team members and other useful techniques for team building.

Complications of Transfusions

Speaker: Lisa Tyler, MD Medical Director of Creighton University Medical Center
transfusion area

Windsor Ballroom VIII

Review transfusion reaction workup. Review acute and delayed transfusion reactions focusing on signs and symptoms, etiology, incidence, treatment and prevention.

4:00 – 5:15 (continued)

CSI – Fact and fiction. Techniques in forensics

Speaker: Melissa Helligso University of Nebraska Medical Center Forensics
Windsor Ballroom X

This session will highlight some of the technology used to solve crime in the Omaha area. Four local homicide cases will be discussed.

Thursday, April 8

8:00 – 9:15

Using the OZ Principle to foster an environment of accountability

Speaker: Patty Eschliman BS,MT(ASCP) Laboratory Manager Madonna Rehabilitation
Hospital

Windsor Ballroom VIII

We all know how vital accountability is in the achievement of business results and the improvement of both individual and organizational performance. This lighthearted but dramatically important professional tool uses the Wizard of Oz as an example on how to create accountability within yourself and your team. Are you Dorothy? The Tinman? Or maybe the Cowardly Lion. Either way, let's follow the yellow brick road because there is no place like home.

Multigenerations within the workplace

Speaker: Theresa Delahoyde RN, Ed.D. Bryan LGH Lincoln, Nebraska
Windsor Ballroom IX

Do you struggle when working with different generations in your work place? Learn the characteristics of each generation; what makes each generation unique, and how to effectively work together in a multi-generational workplace.

8:00 – 9:15 (continued)

POC Technology, Moving laboratory out of the basement to the bedside, to Guatemala and beyond

Speakers: Pet Marquis + Carla Orner Providence Health
Windsor Ballroom X

Kansas City CLMA has sponsored a full day POC meeting twice a year for more than 10 years. The growth of that group has enabled the CLS of Kansas City to network with each other and share processes and procedures. But, more importantly, we have licensed a CLIA lab that responds to disasters and performs laboratory testing for free clinics in Kansas City.

9:30 – 10:45

Health care reform legislative and regulatory update

Speaker: Christopher P. Young, CHC
Windsor Ballroom VIII

Government regulations and legislation concerning the clinical laboratory is critical to the successful operation of a clinical laboratory in the current environment. Keeping current with these changes is a vital undertaking to avoid legal problems, fines and possible exclusion from government programs while being properly paid.

Dave Ramsey's Financial Peace University

Speaker: Donna Williams MT(ASCP), CLC(AMT) Laboratory Support Service
Coordinator Fremont Area Medical Center
Windsor Ballroom IX

Dave Ramsey's Financial Peace University Class has changed by life. Fremont Area medical center offers a 13 week course to employees that has proven financial tools which will help them have control over their money. There has been a dramatic positive change in financial stress as employees take this class.

9:30 – 10:45 (continued)

What you should know about laboratory billing, coding and reimbursement

Speaker: Ruth Ann Bartels MT(ASCP) Bartels Consulting Services
Windsor Ballroom X

This presentation will focus on the importance of each step in the billing process. Rules vary depending on where the sample is collected. Insurers vary on what they pay for tests. Labs are responsible for billing correctly, submitting codes that were provided when the test was ordered, and reviewing reimbursement to make sure the promised amount is actually paid.

11:00 – 12:15

So you want to be the boss?

Speaker: Mary Lou Emanuel MT(ASCP), MBA Retired Laboratory Director
St. Francis Medical Center Grand Island, Nebraska
Windsor Ballroom VIII

This presentation will help you shape your career while meeting the needs of your profession and your employer. You will learn to position yourself for advancement using self promotion, educational opportunities, goals, and mentoring programs. The role of professional organizations in your career development will be explored.

Interviewing techniques

Speaker: Sandra Jameson MT(ASCP)
Windsor Ballroom IX

Have you ever thought about the “Do’s and Don’ts” for interviewing for a job? Come and participate in an interview and see how you can guarantee to get the job the next time. Be prepared to dress the part and learn better techniques.

The Pursuit of happiness and success in the lab

Speaker: Dave Glenn, MASCP,MLS(ASCP)^{CM} CEO Pathology Services
Windsor Ballroom X

Laughter is the best medicine but it won’t cure your lab’s need to do more with less. Discover how you can use Shared Management Work Teams to improve productivity, raise morale and increase staff retention. This presentation will conclude with 10 tricks for happiness and success.

2:00 – 3:15

**Navigating through change: Future issues affecting transfusion medicine:
Reimbursement, leadership, inventory, and DRG's**

Speaker: Phyllis Erickson CEO Nebraska Community Blood Bank
Windsor Ballroom VIII

Much has changed in transfusion medicine in the last 20 years. The session will include a brief review of the significant changes to transfusion "Where Transfusion Medicine Has Been". The speaker will discuss current and future transfusion medicine initiatives. "Where We Are Going". Participants will consider how these initiatives may affect the safety, availability and economics of the blood supply both for our state, the U.S. and our world.

Newborn screening & genetics 2010 and beyond

Speaker: Julie Miller, BS Nebraska Newborn Screening & Genetics Program Manager
Nebraska Department of Health & Human Services
Windsor Ballroom IX Session also offered on Friday

This session is about the Nebraska Newborn Screening System, highlighting recent additions to the screening panel. Nebraska's advanced quality assurance system, and bring you up to date on the latest hot topics in newborn screening and genetics.

Selected transfusion reaction topics

Speaker: Aina I. Silenieks MD Staff Pathologist Pathology Medical Services
Windsor Ballroom X

This presentation will focus on the definition, recognition and clinical laboratory evaluation of those types of transfusion reactions most likely to be associated with serious adverse effects on the patient. TRALI, bacterial contamination and transfusion of incompatible products will be reviewed.

3:30 – 4:45

Thriving in transition and transformation

Speaker: Jeff Hannah, Ph.D.,(ABD),MA President Touchstone Executive Development
Windsor Ballroom VIII

As the pace of life and work increases, so does the pace of change. Effective leaders recognize the dynamics and behaviors associated with organizational change and plan accordingly. Being able to understand the intellectual and emotional challenges of change allows us to survive-and even thrive!-in times of transition.

3:30 – 4:45 (continued)

AMR, CRR, Linearity, Calibration-Verification: What do I do?

Speaker: Amy M. Stanley BS,MT(ASCP)

Windsor Ballroom IX

This session will present information about AMR, CRR, linearity, calibration verification and the differences between these terms and how to meet the regulatory requirements for these terms.

ASCLS Practice levels and educational needs for clinical laboratory personnel and update on the Board of Certification

Speaker: Linda Fell MS,MT(ASCP) Program Director Clinical Laboratory Science
University of Nebraska Medical Center

Windsor Ballroom X

ASCLS approved the position paper on Practice Levels and Educational Needs for Clinical Laboratory Personnel in July, 2009. This presentation will detail the levels/education and discuss implications for the clinical laboratory. Information about the newly formed Board of Certification and new titles for personnel will also be presented.

Friday, April 9

8:30 – 9:45

Clinically relevant, cost effective “Nuts and Bolts” hospital microbiology

Speaker: Dennis Wegner, PhD Consulting Clinical Microbiologist

Collaborative Laboratory Services

Windsor Ballroom VII This is an all day session.

This all day program shows how applying the latest microbiology techniques and approaches in hospitals of all sizes, including intermediate and smaller sized hospitals, can provide high quality, patient care oriented microbiology at a minimum cost that increases prospective payment reimbursements, reduces hospital stays, and improves the hospital's bottom line. **All attendees receive CLSI formatted bacteriology procedures as attachments on a CD disk that they can easily modify and adapt for use in their own laboratories.**

8:30 – 9:45 (continued)

Nebraska Society for Clinical Laboratory Science Annual Meeting

Windsor Ballroom VIII Meeting may begin earlier than 8:30. All are welcome. Only members may vote on issues.

Newborn screening & genetics 2010 and beyond

Speaker: Julie Miller, BS Nebraska Newborn Screening & Genetics Program Manager
Nebraska Department of Health & Human Services

Windsor Ballroom IX Session also offered on Thursday

This session is about the Nebraska Newborn Screening System, highlighting recent additions to the screening panel. Nebraska's advanced quality assurance system, and bring you up to date on the latest hot topics in newborn screening and genetics.

Let's talk hepatitis, using a case study approach

Speaker: Diane Siedlik, MT(ASCP) Nebraska Methodist Hospital, Omaha, Nebraska
Windsor Ballroom X

Hepatitis markers used to diagnose Hepatitis A, B and C can be very confusing. This talk will utilize a case study approach to review how to diagnose Hepatitis A vs B vs C. The case study approach will also incorporate other laboratory tests that may lead to a viral hepatitis infection diagnosis. Transmission and prevention shall also be discussed.

10:00 – 11:15

Vitamin D and health

Speaker: Greg Post, PhD, DABCC Director of Clinical Services
Physician's Laboratory Services

Windsor Ballroom VIII

Vitamin D is purported to promote overall health and decrease the risk of developing a plethora of disorders. This lecture will explore the biochemistry of the vitamin, demographic effects on levels and associations with various disorders. Available assays will be discussed and the caveats of each assay will be explored.

10:00 – 11:15 (continued)

Round table discussion on the opportunities and careers available to Medical Laboratory students

Speakers: Patty Eschliman BS,MT(ASCP), Laboratory Director Madonna Rehabilitation Hospital

Tim Randolph, PhD ASCLS Region VI Director

Kurt Balhorn Head of laboratory information systems Alegent Health

Chelsea Dockins MLS(ASCP)^{CM} NSCLS Student Forum Advisor

Alicia Eisenmenger MLS(ASCP)^{CM} NSCLS Student Forum Advisor

Additional laboratory manager – Alegent Health

Windsor Ballroom IX

Round table discussions with various professionals who began their careers as Medical Technologists and used their degree to find other career opportunities.

Troubleshooting the positive antibody screen: Tube vs gel

Speaker: E. Ann Steiner Blood Bank Technical Specialist Ortho Clinical Diagnostics

Windsor Ballroom X

This presentation will review the management of false positive antibody screens. Much of the review will be pertinent to all pretransfusion antibody detection methodologies, however the focus will be on tests performed in test tubes or gel. Information will be shared on : Causes, Recognition, Resolution, Avoidance.

1:00 – 2:15

Mechanisms of chemotherapeutic agents and anti-leukemic drugs

Speaker: Tim Randolph, PhD, MT(ASCP) Associate Professor Department of Clinical Laboratory Science, Doisy College of Health Sciences Saint Louis University

Windsor Ballroom IX

This session will begin with a brief history of cancer therapy and a basic overview of carcinogenesis. The session will continue with a discussion of the mechanism of action of common leukemia chemotherapeutic drugs. The discussion will involve the molecular biology of AML:M3 and CML to include the modern approaches to treatment.

1:00 – 2:15 (continued)

The National Public Health Laboratory Special Pathogens and Biosecurity

Laboratory: A decade in review

Speaker: Anthony R. Sambol, MA, SM(NRM), CBSP (ABSA)

Assistant Director Nebraska Public Health Laboratory

Windsor Ballroom IX

This session will present and review the efforts of state public health laboratories across the nation in their efforts over the last ten years to strengthen and rebuild the public health laboratory infrastructure in preparation for terrorism activities and naturally occurring events of public health concern.

The Happiness Project

Speaker: Lee Elliott Vice President of Human Resources and Fund Development

St. Francis Medical Center Grand Island, Nebraska

Windsor Ballroom X

In 2000, Saint Francis Medical Center was becoming seriously concerned about having adequate numbers of qualified staff to safely care for patients. In response, an effort was initiated to attract and retain staff and to do so in a manner that would provide enough staff well into the future, would help area healthcare employers with staffing needs, and would move the hospital to more nearly fulfill its mission as a religious organization dedicated to the well being of all people.

2:30 – 3:45

Molecular mechanisms in the leukemogenesis of the Myeloproliferative neoplasms

Speaker: Tim Randolph, PhD, MT(ASCP) Associate Professor Department of Clinical Laboratory Science, Doisy College of Health Sciences Saint Louis University

Windsor Ballroom VIII

The session will begin with a review of the WHO classification scheme of the Myeloproliferative Neoplasms with an emphasis on the four main conditions; Polycythemia vera, Essential thrombocythemia, Primary Myelofibrosis and Chronic Myelocytic Leukemia. The molecular biology of the BCR/ABL and JAK2 mutations will be discussed and linked to the pathophysiology and laboratory indicators of the corresponding disease.

2:30 – 3:45 (continued)

The role of laboratory in evaluation and management of rheumatic diseases

Speaker: William R. Palmer, MD Westroads Medical Group Rheumatologist
Windsor Ballroom IX

Discuss and review the role of the laboratory in evaluation and management of rheumatic diseases. Briefly present information on biologic therapy of rheumatic diseases.

Transfusion Related Acute Lung Injury (TRALI)

Speaker: James D. Landmark, MD University of Nebraska Medical Center
Windsor Ballroom X

This session will review the consensus definition of TRALI in the context of a case report of a transfusion reaction. Two possible mechanisms for TRALI have been proposed. The present status of knowledge about these mechanisms will be discussed, as well as, controversies and recent statistics on preventive measures.

4:00 – 5:15

Case studies in forensic toxicology

Speaker: Pat Studts, MT(ASCP), NRCC-TC
Windsor Ballroom VIII and IX

Have you ever read about an unexplained death being investigated and wondered how the cause of death is determined? Select cases of deaths with undetermined causes after autopsy will be presented, along with the technologies used in the laboratory to obtain the answers needed to explain the death.

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