

Monday, April 25th 2011



Duluth Entertainment Convention Center

Bridging Technology with Quality Healthcare

10:00 – 11:45 AM		REGISTRATION – BOX LUNCH				
12:00 – 1:00 PM	1	Keynote: Laboratory Professionals Get Results – and It’s All About the Results Speaker: Deb Rodahl Location: Lake Superior Ballroom				
Location	Room to be announced	Room to be announced	Room to be announced	Room to be announced	Room to be announced	
1:15 – 2:15 PM	2 Tick-borne Infections: Separating Fact from Fiction, Reality from Politics Dr. Johann Bakken	3 Growth Hormone Stimulation Tests in Children Dr. Bradley Miller	4 Biosafety and Biosecurity: Minimizing the Risks in the Laboratory	5 Understanding a Pathology Report for Breast Cancer Dr. Brad Davis	6 How to Un-Stink Your Think: Three Ways to Reframe Your Thoughts for More Positive Results Kathlynn McConnell	
2:30 – 3:30 PM	7 Case Studies in Public Health Paula Vagnone	8 Celiac Disease: As Easy as a Piece of Gluten-Free Cake? Karen Johnson	Allen Broderius	9 Genetics of Sporadic and Familial Breast Cancer Dr. Kent Froberg	10 Good Health – What You Put ON Your Body Matters Sharon Szukis	
3:45 – 4:45 PM	11 Top Ten List of Phlebotomy Errors Tim Sandor	12 EP Evaluator as a Key Tool for Total Quality Management Carol Lee	13 Generations Together in the Workplace Jim Drake	14 Stem Cells as Drugs: Hope, Hype and Reality Dr. Allen Dietz	15 Nutrition & Lifestyle Approaches to Health: Separating “Fact from Fiction” Stacy Colich	
5:00 – 6:00 PM	16 Documentation of Vitamin D Status and Evaluation of Food Supplementation Dr. Irina Haller	17 What Happens in Washington DOES NOT Stay in Washington Rick Panning	18 Changing Times in the Funeral Industry and the Increase of Cremation Paul Kraemer	19 Molecular Diagnostics – This Journey Continues to “Amplify” P. Shawn Mitchell	20 Getting to the Point: Point-of-Care Testing and the Patient-Centered Laboratory Dr. Sharon Geaghan	
6:00 – 8:00 PM	EXHIBITS – SOCIAL HOUR					

Tuesday, April 26th 2011

Student Day



Duluth Entertainment Convention Center

Bridging Technology with Quality Healthcare

7:00 – 8:00 AM						
REGISTRATION – CONTINENTAL BREAKFAST						
Educators' Breakfast						
8:00 – 9:15 AM	21	Keynote:	Statewide Effort to Address the Laboratory Workforce Shortage			
		Speakers:	HealthForce MN Panel			
		Location:	Lake Superior Ballroom			
Location	Room to be announced	Room to be announced	Room to be announced	Room to be announced	Room to be announced	Room to be announced
9:30 – 10:30 AM	22 Microbiology 101: Reading and Reporting Direct Smears Karen Ellingson	23 Antibody Identification: Case Studies from MBC Reference Laboratory Jennifer Scheirts	24 What is CSI Really Like in Minnesota? Do They Really Dress Like That at Crime Scenes? How Come It Takes More Than an Hour to Work a Case? Kurt Moline	25 Helpful Suggestions for Inspections Ed Sass	26 POCT and Quality Control: This Ain't Your Father's Lab Analyzer Dr. Thomas Koshy	
10:45 – 11:45 AM	27 Why You Don't Want a Pet Monkey Connie Weston	28 Overview: Blood Banking 101 Jen Hausman	29 A1C: A to Z Dr. Robert Sjoberg	30 Passive Immunotherapies: Old Problems and New Ideas David Bradley	31 New Paradigms in POC Quality Control Dr. Thomas Koshy	
11:45 – 2:15 PM						
LUNCH – EXHIBITS						
AMT Business Meeting Lunch and ASCLS Membership Lunch (12:00 – 1:00 PM)						
2:15 – 3:15 PM	32 CLIA Proficiency Testing, Competency Assessment Susan Myler	33 Employee Development or Our Most Valuable Asset Deb Rodahl & Cindy Johnson	34 Professional Certification for Laboratorians – What's New? Kathy Hansen	35 Your Attitude Determines Your Altitude Pam Solberg-Tapper	36 The Poisoned Patient: Role(s) of the Laboratory in Evaluation and Treatment Dr. Elisabeth Bilden	
3:30 – 4:30 PM	37 Bloodborne Pathogens: The Road to Safety Karen Tomlin	38 Lab Medicine South of the Border Kris Rikkola	39 Patient and Family Centered Care: A Change in Approach and in Culture Amy Vanderscheuren	40 Blood System Disaster Preparedness – Asian Games, Republican National Convention and the Bridge Collapse – Lessons Learned Dr. Jed Gorlin	41 Meaningful Use, Laboratory Reporting and Health Information Exchange Cheryl Stephens	
4:30 – 6:00 PM						
EXHIBITS						
5:00 PM						
CLC 11th ANNUAL SILENT AUCTION						
7:00 PM						
SOCIAL EVENT – GREAT LAKES AQUARIUM						

Wednesday, April 27th 2011



Duluth Entertainment Convention Center

Bridging Technology with Quality Healthcare

7:00 – 8:00 AM		REGISTRATION – CONTINENTAL BREAKFAST			
8:00 – 9:15 AM	42	Keynote: Customer Service – Lessons from the Hospitality Industry			
		Speakers: Mike Metcalf			
		Location: Lake Superior Ballroom			
Location	Room to be announced	Room to be announced	Room to be announced	Room to be announced	Room to be announced
9:30 – 10:30 AM	43 Current Trends and Recommendations for Vaccine Preventable Diseases Amy Westbrook	44 Blood Donation Eligibility Around the World Dr. Jed Gorlin	45 Dabigatran (Pradaxa®): A New Oral Anticoagulant Kristen Francis	46 Fats: The Good, The Bad and The Ugly Bonnie Brost	
10:45 – 11:45 AM	47 Three “P’s” in Infectious Disease: Pertussis, Parapoxvirus and Pseudomonas aeruginosa – the Liverpool Stain Dr. Linda Van Etta	48 Chronic Fatigue Syndrome and XMRV: Doesn’t It Make You Tired Trying to Reconcile Conflicting Studies Dr. Jed Gorlin	49 Process Excellence at Essentia Health Kristin Henry	50 Catastrophic Illness: A Case Study Dr. Geoff Witrak	
11:45 – 1:15 PM	LUNCH – EXHIBITS ASCP/CLMA (combined) Business Meeting Lunch				
1:15 – 2:15 PM	51 Error Reduction: Pre-Analytical Safety Strategies Cindy Johnson & Jeremy Angell	52 Vitamin D Levels: Essentials, Assessment, Implications Dr. Tricia Bal	53 Not Just Little Adults: Working with the Pediatric Patient in the Laboratory JoHannah Orman	54 A Mindful Way in a Turbulent World Bob Lyman	
2:30 – 3:30 PM	55 Newborn Screening: What’s New and What You Should Know Amy Gaviglio	56 Hemovigilance for Your Hospital Claudia Cohn	57 CLMA Hot Topics	58 Documents: The 3 P’s and Beyond Judy Wenzel & Kendra Reynolds	
END OF CONFERENCE – THANK YOU FOR ATTENDING – SEE YOU IN 2012!!!					

CLC 11th Annual Silent Auction

This year's silent auction will raise funds for two great causes.

One is the Children's Miracle Network that we have supported for years.

The other cause is new this year – it is the Elizabeth Panning Memorial Scholarship, which supports aspiring Medical Laboratory Science professionals. Liz was a fellow laboratorian who helped organize many Silent Auctions in the past. She recently lost her battle with ALS. We are pleased to carry on in her name.

Many wonderful items will be on display and open for bidding during the Monday and Tuesday exhibit hours.

Bidding will close at 4:45 PM on Tuesday April 26th, 2011

Winning bidders will be announced at 5:00 PM on Tuesday April 26th, 2011

For additional information, contact Pat Powers at pat.pow01@gmail.com

Children's Miracle Network



Sponsored by: ASCLS-MN

Elizabeth Panning Memorial Scholarship



#1 Laboratory Professionals Get Results – and it’s All About the Results!

Monday 12:00 – 1:00 PM

Basic – 1.0 CEU

Speaker: Deb Rodahl, Laboratory System Director, HealthEast Care System

Description: “Laboratory Professionals Get Results” has been the slogan for National Medical Laboratory Week for several years. Is this simply a play on words or is there real meaning behind the marketing? This presentation will showcase the many ways that Laboratory Professionals make a difference in the health care industry, every day.

- Objectives:**
- List several every-day activities performed by laboratory professionals that impact patient care
 - List at least 2 quality improvement activities that improve patient outcomes
 - Understand the many ways that laboratory professionals can make a difference outside of the laboratory

#2 Tick-borne Infections: Separating Fact from Fiction, Reality from Politics

Monday 1:15 – 2:15 PM

Intermediate – 1.0 CEU

Speaker: Johan S Bakken, MD, PhD, St. Luke’s Hospital, Duluth, Minnesota

Description: Review the clinical presentation, laboratory diagnosis and treatment strategies for commonly encountered tick-borne diseases

- Objectives:**
- Understand the politics of “Chronic Lyme Disease”
 - Diagnose and treat HGA (Human Granulocytic Anaplasmosis)
 - Diagnose and treat Babesiosis
 - Diagnose and treat Lyme Disease

#3 Growth Hormone Stimulation Tests in Children

Monday 1:15 – 2:15 PM

Intermediate – 1.0 CEU

Speaker: Bradley S Miller, MD, PhD, Assistant Professor, University of Minnesota Amplatz Children’s Hospital and Essentia Health Duluth Clinic

Description: Dr. Miller will describe several specialized tests that are used in the evaluation of growth disorders in children. He will outline the diagnostic pitfalls of screening tests and growth hormone stimulation tests in the diagnosis of pediatric growth hormone deficiency. He will also discuss changes in growth hormone assays that may impact interpretation of the results of these stimulation tests.

- Objectives:**
- Describe common tests used to evaluate children with growth disorders
 - Summarize changes in assays that impact the diagnosis of growth hormone deficiency in children
 - Discuss pitfalls of current tests used in the diagnosis of growth hormone deficiency in children
 - Define the group of children who might need to undergo these tests

#4 Biosafety and Biosecurity: Minimizing the Risks in the Laboratory

Monday 1:15 – 2:15 PM

Basic – 2.0 CEU

Sponsored by Minnesota Department of Health, Public Health Laboratory

Speaker: Allen Broderius, MPH, Health and Safety Office, Minnesota Department of Health, Public Health Laboratory Division

Description: The biosafety portion of this presentation will identify the fundamentals of biosafety, define biosafety levels, explain proper use of personal protective equipment and biological safety cabinets, and teach how to conduct a risk assessment. The biosecurity portion will describe the relationship between biosafety and biosecurity, outline a biosecurity plan, and show potential laboratory security vulnerabilities.

- Objectives:**
- Explain the relationship between biosafety and biosecurity
 - List the elements of biosafety and biosecurity plans
 - Define the biosafety and biosecurity risk assessment process



#5 Understanding a Pathology Report for Breast Cancer

Monday 1:15 – 2:15 PM

Basic – 1.0 CEU

Speaker: Brad J Davis, MD, Pathologist, Essentia Health – East Region – SMDC

Description: The program will outline the components of a breast cancer pathology report with examples of breast cancer types, staging and prognostic markers as well as an explanation of the OncotypeDx test.

- Objectives:**
- Understand the format of a breast cancer pathology report
 - Understand basic types of breast cancer
 - Understand basics of breast cancer staging system
 - Understand basic breast cancer prognostic tests

#6 How to Un-Stink Your Think: Three Ways to Reframe Your Thoughts for More Positive Results

Monday 1:15 – 2:15 PM

Basic – 1.0 CEU

Speaker: Kathlynn McConnell, CPLP, President, Lifestyle Consulting Services

Description: Do you talk to yourself? Well, even if you don't admit it, the truth is we ALL talk to ourselves. But have you ever really listened to what you are saying to yourself...and saying out loud to others? Statistics show us the majority of our thoughts are more negative than positive. Thoughts lead to words, which lead to actions, which lead to habits. How in the world can we be productive, successful, happy human beings if we keep building negative habits from negative thoughts? After attending this session, you will be armed with at least three tools to help reframe those thoughts for more positive, productive results.

- Objectives:**
- State where emotions originate and their purpose
 - Define the term “emotional overpayment”
 - Summarize how thoughts lead to words, actions, and habits
 - List three phrases used to reframe thoughts for more positive results

#7 Case Studies in Public Health

Monday 2:30 – 3:30 PM

Intermediate – 1.0 CEU *Sponsored by Minnesota Department of Health, Public Health Laboratory*

Speaker: Paula M (Snippes) Vagnone, MN Laboratory System Program Advisor, MN Department of Health, Public Health Laboratory

Description: This presentation will describe the role that both public health and clinical laboratories play in “protecting, maintaining, and improving the health of all Minnesotans,” through recounting case studies of public health significance. In addition, recent updates to a few CDC guidelines will be briefly discussed.

- Objectives:**
- Explain the essential role clinical laboratories play as a partner in public health
 - Describe recent outbreaks of infectious diseases
 - Describe changes in the revised CDC guidelines for the prevention of perinatal Group B Streptococcus Disease
 - Describe recent CDC recommendations for the laboratory diagnosis of shiga toxin-producing *E. coli* infections



#8 Celiac Disease: As Easy as a Piece of Gluten-Free Cake?

Monday 2:30 – 3:30 PM

Basic – 1.0 CEU

Speaker: Karen Johnson, RD, LD, Clinical Dietitian, St. Luke's Hospital, Duluth, Minnesota

Description: This presentation will review celiac disease diagnosis and outline the symptoms of celiac and gluten intolerance. In addition, we will discuss diet and lifestyle modifications and support/resources available for individuals with celiac disease/gluten intolerance.

- Objectives:**
- Define criteria for celiac diagnosis
 - List 4 common symptoms of celiac disease
 - Summarize basics of needed diet and lifestyle changes for celiac disease/gluten intolerance
 - List appropriate referral/resources individuals with celiac disease/gluten intolerance

#9 Genetics of Sporadic and Familial Breast Cancer

Monday 2:30 – 3:30 PM

Intermediate – 1.0 CEU

Speaker: M. Kent Froberg, MD, Pathology, Essential Health – East Region

Description: A discussion of the most common genetic alterations observed in both sporadic and familial forms of breast cancer and their implications for risk of developing breast cancer as well as treatment and prognosis.

- Objectives:**
- Recognize that most breast cancers are sporadic (not familial)
 - Become familiar with the most common genetic alterations seen in familial breast cancer
 - Understand some of the basic mechanisms by which these alterations lead to breast cancer
 - Understand the increase risk these genetic alterations create for developing breast cancer

#10 Good Health – What You Put ON Your Body Matters!

Monday 2:30 – 3:30 PM

Basic – 1.0 CEU

Speaker: Sharon Szukis, Owner, The Essence of Health, Duluth, Minnesota

Description: Most people don't realize that the products they use ON their bodies contribute as much to their toxicity level as what they eat and drink. In this presentation, we'll discuss common synthetic preservatives and ingredients found in everyday products and learn about their effect on the body.

- Objectives:**
- Identify harmful chemical ingredients in personal care products
 - Assess toxic risk associated with chemical ingredients
 - Identify less harmful alternative products that are available

#11 Top Ten List of Phlebotomy Errors

Monday 3:45 – 4:45 PM

Basic – 1.0 CEU

Speaker: Tim Sandor, Instructor, Lake Superior College, Duluth, Minnesota

Description: Laboratorians love lists. Here's one for those with phlebotomy responsibilities. Whether you have drawn blood for years, or are just starting out, it's wise to be aware of these ten potential errors. Presented in a countdown format, this presentation is sure to hold your attention.

- Objectives:**
- Discuss proper blood collection techniques to reduce pre-analytical errors
 - Discuss proper blood collection techniques to reduce the risk of injury to patients and/or employees
 - Define the term Standard of Care and how it applies to phlebotomists



#12 EP Evaluator™ As a Key Tool for Total Quality Management

Monday 3:45 – 4:45 PM

Basic – 1.0 CEU

Sponsored by Data Innovations, LLC

Speaker: Carol R Lee, Implementation Consultant, Data Innovations, LLC.

Description: This program will focus on several aspects of Laboratory Quality Assurance as a subset of Total Quality Management that can be addressed using the program capabilities of the EP Evaluator software from D.G. Rhoads (A brand of Data Innovation, LLC). We will discuss the required quality assurance activities, like calibration verification, new instrument validation, precision verification, method harmonization, and verification of reference intervals. In addition, we will discuss other lab management activities that contribute to the Total Quality picture including tracking of laboratory incidents, management of laboratory inventory, and employee competency assessment.

- Objectives:**
- Distinguish between quality control and quality assurance as elements of Total Quality Management
 - Identify specific regulations that EP Evaluator can address
 - Describe the evaluation protocols that are needed to be performed in order to pass inspection
 - List four sources of appropriate performance standards that can be applied to the laboratory

#13 Generations Together in the Workplace

Monday 3:45 – 4:45 PM

Basic – 1.0 CEU

Speaker: Jim Drake, MBA, Faculty, Lake Superior College, Duluth, Minnesota

Description: Generations Together in the Workplace: For the first time we have four generations in the workplace, either as colleagues or as clients. Each generational group has different motivators, different expectations and different modes of communication. Learning to bridge the gap that is defined by these differences is vital to the functioning of your facility. How do you adapt your communication's style to your environment, as defined by generation and gender? Is this something you need to learn how to do? How do the Boomer Generation's values differ from that of Generation X's or Y's values? In this session we will learn answers to these questions and how to research these topics to be able to develop our own skill set related to communication styles in the workplace.

- Objectives:**
- Describe how and why each generation evolved as it did
 - Assess the motivators of each person with whom they interact based on generational behaviors
 - Define how communication styles affect your interactions with others in your workspace
 - Correlate communication style and generational sensitivity with workplace efficiencies

#14 Stem Cells as Drugs: Hope, Hype and Reality

Monday 3:45 – 4:45 PM

Advanced – 1.0 CEU

Speaker: Allan B Dietz, PhD, Scientific Director, Human Cell Therapy Lab, Division of Transfusion Medicine, Department of Laboratory Medicine and Pathology, Mayo Clinic

Description: The course will describe the past, present, and future of the use of stem cells for therapy. The course will demonstrate how conventional therapies already take advantage of the properties of stem cells, how recent discoveries have changed how we may use stem cells in the future, and some of the practical considerations of stem cell therapy.

- Objectives:**
- Describe current therapies that use properties of stem cells
 - Describe future uses of stem cells
 - Identify differences between embryonic, adult, allogenic, and autologous stem cells



#15 Nutrition & Lifestyle Approaches to Health – Separating “Fact from Fiction”

Monday 3:45 – 4:45 PM

Intermediate – 1.0 CEU

Speaker: Stacy L Colich, RD, LD, CDE, Clinical Nutrition and Diabetes Care, St. Luke’s Hospital, Duluth, Minnesota

Description: This presentation will describe U.S. obesity trends and the probable causes. We will discuss the current dietary goals set to promote healthy weight and minimize obesity-related medical problems and list the current physical activity recommendations and guidelines. Finally, we try to demystify some of those diet fads and their weight-loss claims.

- Objectives:**
- Describe U.S. obesity trends and probable causes
 - Discuss the current dietary goals set to promote healthy weight, and minimize obesity-related medical problems
 - Identify diet fads and false claims
 - List the current physical activity recommendations and guidelines

#16 Documentation of Vitamin D Status and Evaluation of Food Supplementation

Monday 5:00 – 6:00 PM

Intermediate – 1.0 CEU

Speaker: Irina V Haller, PhD, MS, Senior Research Scientist, Essentia Institute of Rural Health

Description: Vitamin D is an essential nutrient for the human body. Over the past 10 years, there has been increasing interest in the possibility of enhanced roles for vitamin D in human health. As a relationship between vitamin D intake and various health outcomes has been suggested in the scientific community, the public interest in vitamin D has also been raised. This presentation will outline the current state of vitamin D research regarding adequate intake and what constitutes “vitamin D adequacy.” It will also focus on recent evaluations of vitamin D status in various populations in the Upper Midwest and report results of a clinical trial of food fortification with vitamin D exceeding currently utilized amounts.

- Objectives:**
- Describe research needs for determination of vitamin D status and its relationship to various health outcomes
 - Compare vitamin D status in older and younger adults
 - Compare vitamin D status in urban and rural postmenopausal women
 - Describe the effect of vitamin D fortified food on vitamin D status

#17 What Happens in Washington DOES NOT Stay in Washington

Monday 5:00 – 6:00 PM

Intermediate – 1.0 CEU *Sponsored by Allina Medial Laboratories*

Speaker: Rick Panning, MBA, MLS (ASCP)^{CM}, Vice President, Laboratory Services, Allina Hospitals and Clinics; Chair of ASCLS GAC

Description: This presentation will provide an update on current national legislative and regulatory issues which have the potential to impact the clinical laboratory industry and the professionals who work in it. Issues that will be covered will include:

- Healthcare Reform
- Modernization of the Clinical Laboratory Fee Schedule
- Pathology reimbursement and the sustainable growth rate (SGR)
- Laboratory Developed Tests (LDTs) and the FDA
- Medicare physician signature requirements
- Medical Unlikely Edits (MUEs)
- Workforce issues

The importance of professional advocacy will also be discussed.

- Objectives:**
- List 3 ways in which the clinical laboratory is impacted by Federal healthcare reform
 - Describe workforce initiatives proposed to address the personnel shortage
 - Describe the ASCLS proposal to update the clinical laboratory fee schedule



#18 Changing Times in the Funeral Industry and the Increase of Cremation

Monday 5:00 – 6:00 PM

Basic – 1.0 CEU

Sponsored by Cremation Society of Minnesota

Speaker: Paul J Kraemer, Manager/Funeral Director, Cremation Society of Minnesota, Duluth Chapel

Description: In this presentation, Paul will examine the history of the funeral industry, where it's at today and its future. He'll define and discuss the three forms of disposition, burial, cremation and Alkaline Hydrolysis and the trends related to them. Also a summarization of past, present and future mortality statistics.

- Objectives:**
- Summarize the history of the funeral industry
 - Describe the cremation process
 - Describe the Alkaline Hydrolysis process
 - Summarize past, present and future mortality statistics

#19 Molecular Diagnostics – This Journey Continues to “Amplify”

Monday 5:00 – 6:00 PM

Basic – 1.0 CEU

Sponsored by Mayo Clinic

Speaker: P. Shawn Mitchell, M.M.Sc., MT (ASCP), Supervisor, Hepatitis / HIV Laboratory, Mayo Clinic

Description: For 25-plus years, molecular diagnostics has been a part of patient care. What took 3 days to obtain results can now be accomplished in 30 minutes. As molecular principles and techniques for the most part have remained constant, new ways to utilize molecular test results and effectively incorporating this technology into the clinical laboratory continue to be explored. Whether improving turn-around-time and quality of test results or organizing a work area for optimal efficiency while watching expenses, incorporation of Lean principles can help implement and optimize specific strategies to improve clinical laboratory operations and attain desired outcomes. This presentation will describe the molecular journey over the years and describe success seen with the implementation of Lean concepts within a clinical molecular microbiology laboratory.

- Objectives:**
- Identify technological advances over the years
 - Identify and understand the principles of Lean concepts and key applicable Lean tools
 - Appreciate quick-win initiatives applied to clinical laboratory operations (e.g. pre-analytic, analytic, post-analytic, supply-chain management, and quality improvement)
 - Hear outcomes from “real life” experiences and appreciate the need to continuously monitoring, modify, and re-implement (Lean is a journey)



#20 Getting to the Point: Point of Care Testing and the Patient-Centered Laboratory

Monday 5:00 – 6:00 PM

Intermediate – 1.0 CEU

Speaker: Sharon M Geaghan MD, Chief, Pathology, Lucile Children's Hospital at Stanford and Co-Director of Clinical Laboratories at Stanford Hospital & Clinics

Description: The Point of Care testing arena is one of the two fastest growing areas in laboratory diagnostics, according to industry analysts. Increasingly, laboratorians are being asked to entertain requests for point of care testing, analyze technical performance characteristics as compared to conventional laboratory testing, and do so for a variety of specialized applications. Outcomes-based research is available, but is not keeping up with the explosion of technology. This model of distributed laboratory services brings forth a host of considerations, such as connectivity and informatics support; and cost-benefit and health economics. Integration of testing, primarily performed by non-laboratory personnel, with the electronic medical record is imperative. The participants will learn how to analyze requests for Point of Care testing using defined criteria; learn how to approach analytic performance requirements for Point of Care testing; become familiar with a wide variety of applications for Point of Care testing; see examples of outcomes research in Point of Care testing; be provided a framework for cost-benefit analysis for Point of Care; and be made aware of key trends in, and the importance of connectivity and informatics in Point of Care diagnostics. This session will bring together the current knowledge in the field and practice experience so that laboratorians can insure a sound and successfully implemented Point of Care testing program in their practice setting.

- Objectives:**
- Identify principles of assessing Point of Care tests as alternatives to conventional laboratory testing
 - Define an approach to analytic performance requirements for Point of Care testing
 - Identify outcomes-based practices in Point-of-Care testing
 - List key strategies for achieving electronic medical record integration in implementation of Point-of-Care testing
 - Determine an approach to analysis of the health economics aspects of Point-of-Care testing

Exhibits and Social Hour

Monday 6:00 – 8:00 PM

Come to the Exhibit Hall and visit with the vendors,
socialize with your laboratory colleagues
and catch-up with old friends

Check out the great items available for this year's Silent Auction
Enjoy complimentary hors d'oeuvres - Cash bar will be available



Registration and Continental Breakfast

Tuesday 7:00 – 8:00 AM

- Educators' Breakfast

#21 Statewide Effort to Address the Laboratory Workforce Shortage

Tuesday 8:00 – 9:15 AM

Basic – 1.0 CEU

Speaker: HealthForce MN Panel

Description: In this session participants will hear updates from HealthForce MN, formerly Health Education Industry Partnership (HEIP), which includes educators, clinical experience sites, and employers from throughout Minnesota. Panel discussion will include a description of HealthForce MN and the benefits of a statewide multidirectional collaborative effort to increase and enhance opportunities for students, educators, and employers in laboratory medicine.

- Objectives:**
- Discuss the history and composition of HealthForce MN
 - Outline the projects and outcomes developed through the St. Paul College DOL Grant
 - Describe the advantages of becoming a member of the Clinical Coordination Task Group efforts (Student Max)
 - Compare and contrast the advantages of using a student simulation laboratory experience to support traditional bench training

#22 Microbiology 101: Reading and Reporting Direct Smears

Tuesday 9:30 – 10:30 AM

Basic – 1.0 CEU

Speaker: Karen Ellingson, Biology Instructor, Lake Superior College, Duluth Minnesota

Description: Microbiology 101: Reading and Reporting Direct Smears is a basic review of reading and reporting gram stained direct smears using smears and protocols from local hospitals. The intended audience is the laboratorians who do not work routinely in the microbiology laboratory but may be called upon to perform culture set-ups, gram stains, and initial reporting of direct smears.

- Objectives:**
- Discuss the importance of providing accurate, reliable, and timely direct smear results
 - Assess the quality of select direct smears from various collection sites
 - Identify bacteria and nonbacterial elements in select direct smears
 - Report the selected direct smears according to hospital protocol

#23 Antibody Identification - Case Studies from MBC Reference Laboratory

Tuesday 9:30 – 10:30 AM

Advanced – 1.0 CEU

Sponsored by Memorial Blood Centers

Speaker: Jennifer Schierts, MT (ASCP) SBB, Manager, Transfusion Support Services Reference Laboratory, Memorial Blood Centers

Description: Case studies will review patient management when dealing with difficult antibody identification. The session will describe techniques used in antibody identification as well as impact on identification due to patient's history.

- Objectives:**
- Discuss the importance of accurate patient history to antibody identification
 - Summarize techniques used in complex antibody identification
 - Describe the process of antibody identification in difficult patients
 - Discuss the impact of family studies on patient care



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#24 An Overview of Firearm Examinations, Crime Scene Processing and a Forensic Laboratory's Quality Assurance Program **Tuesday 9:30 –10:30 AM**
("What is CSI really like in Minnesota? Do they really dress like that at crime scenes? How come it takes more than an hour to work a case?")
Basic – 1.0 CEU

Speaker: Kurt Moline, Forensic Scientist, Minnesota Bureau of Criminal Apprehension, Forensic Science Laboratory
Description: What is CSI really like in Minnesota? Do they really dress like that at crime scenes? How come it takes more than an hour to work a case? A brief description of the myth, glamour and quality assurance program of a full-service forensic laboratory from the perspective of a forensic firearm examiner and crime scene team leader.
Objectives:

- Have a basic understanding of the quality assurance program at the BCA Forensic Laboratory

#25 Helpful Suggestions for Inspections **Tuesday 9:30 –10:30 AM**
Basic – 1.0 CEU *Sponsored by COLA*

Speaker: Edward A Sass, MS, MLS (ASCP)^{CM}, SM, Regional Laboratory Surveyor, COLA
Description: This session will be an entertaining and educational no-nonsense talk about what you need to do to have a successful laboratory survey. Although based on the COLA criteria for Accreditation, the talk will be helpful for all laboratories. The top 10 most cited questions will be discussed. Hints on preparedness and survey preparation will be emphasized. The talk will include examples and case studies.
Objectives:

- Define a successful laboratory survey (inspection)
- List the top 5 deficiencies seen in laboratory surveys
- Describe three ways a lab can better prepare for a lab survey
- Discuss what you would like to learn from your next lab survey

#26 POCT and Quality Control: This Ain't Your Father's Lab Analyzer **Tuesday 9:30 - 10:30 AM**
Intermediate – 1.0 CEU *Sponsored by Alere and Epocal*

Speaker: Thomas Koshy, PhD, Scientific Affairs Director, Alere, Inc.
Description: POCT devices contain sophisticated testing and QC features which belie their simple appearance. The technical specifics of a few devices will be described to illustrate this. These advanced QC features are forcing us to rethink our historical approach to QC. The presentation will then address how regulatory agencies are trying to address this need and a possible future for POC (and general lab) QC.
Objectives:

- Understand QC features designed into POCT devices
- Describe the origins of laboratory QC
- Describe how these QC paradigms may have to change as POCT devices become more common

#27 Why You Don't Want a Pet Monkey **Tuesday 10:45 – 11:45 AM**
Intermediate – 1.0 CEU *Sponsored by MIMA*

Speaker: Connie Weston, MS, MT (ASCP), Technical Supervisor, Virology Laboratory, University of Minnesota Medical Center – Fairview
Description: A variety of emerging viruses will be discussed. This will include arthropod-borne viruses, Flavivirus, the different modes of transmission and an overview of biosafety handling with these viruses.
Objectives:

- Discuss an overview of various emerging viruses, including arthropod-borne viruses
- Understand the modes of transmission of the emerging viruses
- Discuss the biohazardous issues of these viruses



#28 Overview: Blood Banking 101

Tuesday 10:45 – 11:45 AM

Basic – 1.0 CEU

- Speaker:** Jennifer Hausman, MLS (ASCP) SBB, Technical Specialist, Transfusion Services, St. Luke's Hospital, Duluth, Minnesota
- Description:** Blood Banking 101 will provide a basic overview of Immunohematology (blood banking). We will discuss the importance of blood donations and the basics of the ABO and Rh blood groups. Antigen – antibody reactions will be described in a bit more detail. Finally we will pull it all together with the clinical applications and importance of the discussed topics. If you want an introduction or review of blood banking, you should attend Blood Banking 101.
- Objectives:**
- Discuss the importance of blood donations
 - Discuss the ABO and Rh blood groups
 - Describe antigen – antibody reactions
 - Summarize the clinical application and importance of blood bank testing

#29 A1c: A to Z

Tuesday 10:45 – 11:45 AM

Intermediate – 1.0 CEU

- Speaker:** Robert J Sjoberg, MD, Endocrinologist, St. Luke's Hospital, Duluth, Minnesota
- Description:** The Hgb A1c test – why we use it, when is it unreliable, using it to diagnose diabetes, and using it as a quality measure.
- Objectives:**
- Describe the evolution of the Hgb A1c as the “gold standard” in monitoring glucose control
 - Describe the advantages and disadvantages of the Hgb A1c as a measure of glucose control
 - Review the use of the Hgb A1c in the diagnosis of diabetes
 - Review the use of the Hgb A1c as a quality measure of diabetes care

#30 Passive Immunotherapies: Old Problems and New Ideas

Tuesday 10:45 – 11:45 AM

Intermediate – 1.0 CEU

- Speaker:** David S Bradley, PhD, Chair & Professor, Department of Microbiology and Immunology, University of North Dakota School of Medicine and Health Sciences, Grand Forks, North Dakota
- Description:** Passive immunotherapy is widely accepted as the first success in the modern era of immunological therapies, dating back to the late 1800's. It remains an important clinical tool to provide immediate, albeit temporary, immunity to microbes, toxins, venoms, etc. Currently most immunoglobulin products are either purified from convalescing humans or are raised in horses. Both sources have risks related, including contaminating infectious agents, the potential of serum sickness, and both are very expensive. This has led to significant interest and research on avian antibodies. Molecular differences between avian and mammalian antibodies suggest that avian antibodies may be safer and less expensive than current sources. In fact, chicken anti-venom antibodies have been used for more than 25 years abroad, but recent discoveries suggest the potential of avian-derived antibodies for other targets, including emerging viral diseases.
- Objectives:**
- Summarize the history of passive immunotherapy in clinical medicine
 - Identify potential risks associated with current passive immunotherapy treatments
 - Describe the molecular differences between mammalian and avian antibodies, and how these result in functional differences



#31 New Paradigms in POC Quality Control

Tuesday 10:45 – 11:45 AM

Intermediate – 1.0 CEU *Sponsored by Alere and Epocal*

- Speaker:** Thomas Koshy, PhD, Scientific Affairs Director, Alere, Inc.
- Description:** A new CLSI document, EP23, helps laboratories develop risk-based QC programs. A sister document, EP22 has been written for diagnostic test vendors. This is a new approach to QC which focuses on areas of greatest risk and least control. The result is more true quality control and less simple quality compliance. This presentation will describe these documents and provide a primer on a risk management tool, FMEA, which may become the norm for developing POC and general lab QC systems.
- Objectives:**
- Understand the basics of EP23: Laboratory Quality Control Based on Risk Management and its sister document, EP22
 - Explain the difference between hazard and risk and how it relates to development of risk-based quality control programs in the lab
 - Describe the basics of failure mode effects analysis (FMEA)

Exhibits and Lunch

Tuesday 11:45 – 2:15 PM

- AMT Business Meeting and Luncheon
- ASCLS Membership Meeting and Luncheon

#32 CLIA Proficiency Testing, Competency Assessment

Tuesday 2:15 – 3:15 PM

1.0 CEU

- Speaker:** Susan Myler, Federal CLIA Inspector, Federal CLIA Program, CMS Regional Office
- Description:** This presentation will cover the critical points of CLIA Competency regulations and guidelines and will discuss enrollment and performance in a proficiency testing program.
- Objectives:**
- Participants will understand the critical points of CLIA Competency regulations and guidelines
 - Participants will understand the critical points of proficiency (PT) regulations and guidelines
 - Participants will be able to describe Enrollment, Unsatisfactory, and Unsuccessful PT performance and PT referral

#33 Employee Development or Our Most Valuable Asset

Tuesday 2:15 – 3:15 PM

Intermediate – 1.0 CEU *Sponsored by HealthEast Care System & CentraCare Health System*

- Speakers:** Deb Rodahl, Laboratory System Director, HealthEast Care System
Cindy Johnson, MS, MLS (ASCP)^{CM}, Director of Laboratory Operations, CentraCare Health System
- Description:** This presentation will cover the topics of Employee Engagement and Performance Management. Real-life examples of employee engagement activities and resources will be shared. Current tools being utilized in performance management efforts will be reviewed including “Critical Conversations” and “Just Culture”. Time will be allowed for questions and answers.
- Objectives:**
- Describe how employee engagement can be measured and improved
 - Discuss the benefit of having an employee career ladder
 - Relate different performance management tools to developing an effective and accountable work environment



#34 Professional Certification for Laboratorians – What’s New?

Tuesday 2:15 – 3:15 PM

Intermediate – 1.0 CEU

- Speaker:** Kathy Hansen, Consulting Laboratory Director, Fairview Health Services; ASCLS representative to Board of Certification
- Description:** The National Credentialing Agency (NCA) and the ASCP Board of Registry (BOR) merged in October 2009 to form the ASCP Board of Certification (BOC). We will review the status of laboratorians formerly certified by the parent agencies, the use of the new title MLS(ASCP), and requirements for recertification. Who is required to recertify, for whom is recertification optional, and why everyone should recertify!
- Objectives:**
- Describe the certification status of former NCA and ASCP certified individuals
 - List reasons for participation in recertification
 - Distinguish between certification and membership organizations
 - BOC customer service improvements

#35 “Your Attitude Determines Your Altitude”

Tuesday 2:15 – 3:15 PM

Basic – 1.0 CEU

- Speaker:** Pam Solberg-Tapper, MHSA, PCC, President, Coach for Success – Personal and Business Coaching
- Description:** What makes one person more successful than another? What gives them the advantage? What choices help them excel? Studies show that one of the keys of success is attitude. Attitude sets people apart. In Pam’s inspiring presentation, learn how to harness the power of attitude. See how attitude augments knowledge and skill. Get tips on how to enhance your attitude as well as the attitude of others. Pam will provide practical tools to help you create the attitude of success.
- Objectives:**
- Understand the power of attitude
 - Correlate attitude with knowledge and skill
 - Learn tools to enhance personal attitude and attitude of others

#36 The Poisoned Patient: Role(s) of the Laboratory in Evaluation and Treatment

Tuesday 2:15 – 3:15 PM

Intermediate – 1.0 CEU *Sponsored by The Hennepin Regional Poison Center, Minneapolis*

- Speaker:** Elisabeth F Bilden, MD, Associate Director, Hennepin Regional Poison Center; Staff Physician, Essentia Health – Duluth Clinic
- Description:** Using a case presentation format, the use of the laboratory in the evaluation and treatment of individuals presenting to a health care facility who have had drug exposure will be discussed. This will include cases in which intentional, illicit, and/or pharmaceutical drugs have been used.
- Objectives:**
- Summarize the current drug abuse trends in Minnesota
 - Describe the symptoms and signs observed in individuals under the effect of some of these drugs of abuse and other pharmaceuticals
 - Explain the benefits of laboratory evaluation in guiding patient treatment and some potential pitfalls with interpretation of these data by clinicians



#37 Bloodborne Pathogens: The Road to Safety

Tuesday 3:30 – 4:30 PM

Intermediate – 1.0 CEU *Sponsored by Smiths Medical*

- Speaker:** Karen A Tomlin, BS, MT (ASCP), CIC, Clinical Resource Specialist, Infection Preventionist, Smiths Medical
- Description:** The OSHA Bloodborne Pathogen legislation has evolved over the past 20 years. This program explains the evolution of the OSHA Standard and the role it has played in healthcare safety today. It promotes a culture of safety by sharing the compelling stories of healthcare providers who are infected with bloodborne pathogens as a result of occupational exposures. It reviews the current exposure data showing the who, when and how of exposure while examining current compliance issues.
- Objectives:**
- Paraphrase a synopsis of Bloodborne Pathogens and the risk to healthcare workers
 - Share compelling stories of health care providers who developed infections as a result of occupational exposure
 - Recognize the evolution of the OSHA Bloodborne Pathogen legislation
 - Assess the data to explain the scope of the problem

#38 Lab Medicine South of the Border

Tuesday 3:30 – 4:30 PM

Basic – 1.0 CEU

- Speaker:** Kristine Rikkola, MLT (ASCP), Instructor Wisconsin Indianhead Technical College, Essentia Health and WITC
- Description:** A recent trip to the Peruvian Amazon visiting Dr Linea Smith’s clinic. Dr Smith is author of the book “La Doctora” and founded the Amazon Medical Project. The presentation will look at healthcare in remote areas of the Peruvian Amazon as well as other areas South of the Border.
- Objectives:**
- Increase awareness of healthcare and diagnostics in remote areas South of the Border
 - Discuss Volunteerism and other means of support for medical projects South of the Border
 - Describe different types of providers of healthcare and their methods in the Peruvian Amazon

#39 Patient and Family Centered Care: A Change in Approach and in Culture

Tuesday 3:30 – 4:30 PM

Basic – 1.0 CEU

- Speakers:** Amy Vanderscheuren, Coordinator of Patient and Family Centered Care, Essentia Health
Holly Hackett-Rich, Primary Care Advisory Council Member & Patient and Family Partner for Essentia Health
- Description:** Across the nation, patients, family members, and healthcare professionals are working together in more innovative, collaborative ways. Patient and family centered care is an approach to healthcare that engages patients and families as partners in all levels of care – from the exam room to the board room. In this presentation, Amy Vanderscheuren and a patient partner will provide an overview of patient and family centered care and describe how it is transforming the way care is delivered at Essentia Health.
- Objectives:**
- Identify the four main components of patient and family centered care
 - Define the four core concepts of patient and family centered care
 - Understand the Patients and Families as Partners Program
 - Identify benefits of partnering with patients and their family members



#40 Blood System Disaster Preparedness - Asian Games, Republican National Convention and the Bridge Collapse –

Tuesday 3:30 – 4:30 PM

Lessons Learned

Basic – 1.0 CEU

Speaker: Jed B Gorlin, MD, MBA, Medical Director, Memorial Blood Centers & Hennepin County Medical Center

Description: Discuss lessons learned about disaster planning from the I-35 W Bridge collapse and what went right during planning for the Republican National convention and the Asian Games in Guangzhou, China. Minnesota is a leader in disaster preparedness and has shared our experiences with other areas to assist in their preparing for transfusion emergencies.

- Objectives:**
- Understand how the bridge collapse response depended upon the sophisticated disaster planning that had prepared us for such an event
 - Discuss the transfusion planning for the Republican National convention
 - Discuss how these experiences were useful in assisting Guangzhou, China to prepare for a large international sports event

#41 Meaningful Use, Laboratory Reporting and Health Information Exchange

Tuesday 3:30 – 4:30 PM

Basic – 1.0 CEU *Sponsored by Community Health Information Collaborative*

Speaker: Cheryl M Stephens, PhD, President and CEO, Community Health Information Collaborative

Description: This session will discuss the use of information technology in hospital, clinic and long-term care settings to improve patient care through better communication and we will look at the use of health information exchange service providers to share laboratory reports along with other data sets to meet Stage 1 meaningful use requirements.

- Objectives:**
- Discuss state and federal goals for information technology in healthcare
 - Summarize the state of Minnesota’s strategy for health information exchange (HIE)
 - Assess the readiness of your organization for participation in an HIE
 - Understand the role of meaningful use in improving patient care

Exhibits

Tuesday 4:30 – 6:00 PM

Silent Auction

Tuesday 4:45 PM

Silent Auction ends at 4:45 PM – winners will be announced at 5:00 PM.



After a long day of learning, come unwind, see the fishes, and enjoy the evening with friends and colleagues.

Attendees will have full access to all of the aquarium exhibits
Hors d'oeuvres will be served – a cash bar will be available

Please R.S.V.P. on the Registration Form ~ Cost \$15

Located on Duluth's beautiful waterfront, the Great Lakes Aquarium features animals and habitats found within the Great Lakes Basin. The Aquarium also houses animals from other freshwater ecosystems such as the Amazon River. A changeable exhibit space is designed to interpret marine (saltwater) animals and habitat and currently features "Masters of Disguise".



Click on logo or go to www.glaquarium.org for more information

Sponsored by the Clinical Laboratory Collaborative



Registration and Continental Breakfast

Wednesday 7:00 – 8:00 AM

#42 Customer Service – Lessons from the Hospitality Industry

Wednesday 8:00 – 9:15 AM

Intermediate – 1.0 CEU

- Speaker:** Michael C Metcalf, Chief Administrative Officer, Essentia Health – East Region
- Description:** This motivating and inspirational presentation explores the lessons that healthcare can learn from the Hospitality Industry to truly improve customer service. In addition, the presenter will share with the audience creative ways to empower staff in creating a positive work environment and culture that is focused on exceeding the service expectations of patients and family members.
- Objectives:**
- Apply customer service techniques into the workplace
 - Engage and empower staff to improve customer service
 - Understand the key element necessary to enhance service expectations
 - Be a more effective leader and role model

#43 Current Trends and Recommendations for Vaccine Preventable Diseases

Wednesday 9:30 – 10:30 AM

Intermediate – 1.0 CEU

- Speaker:** Amy Westbrook, Epidemiologist, Minnesota Department of Health, Infectious Disease Epidemiology, Prevention and Control Division
- Description:** Though we have seen a decline in the prevalence of most vaccine preventable diseases over the years, some still occur frequently in our communities and can have a significant disease burden. Across the country we have seen a higher incidence of pertussis disease. Pertussis is a vaccine preventable disease that can result in serious health consequences for infants and immuno-compromised individuals. Pneumococcal disease is the most commonly reported invasive infection in Minnesota; many strains are preventable by vaccination. Hepatitis A, Hepatitis B, and Hepatitis C are very distinct viruses that are associated with different health risk factors, and are prevented and controlled with different public health interventions.
- Objectives:**
- Identify the age cohort with the highest prevalence of pertussis infection
 - List two population groups recommended for Tdap vaccination
 - Name two population groups recommended to be vaccinated against pneumococcal disease
 - Identify one risk factor associated with each of the common Hepatitis viruses

#44 Blood Donation Eligibility Around the World

Wednesday 9:30 – 10:30 AM

Intermediate – 1.0 CEU

- Speaker:** Jed B Gorlin, MD, MBA, Medical Director, Memorial Blood Centers & Hennepin County Medical Center
- Description:** The FDA and council of Europe are hoping to harmonize blood donor eligibility standards around the world. Yet different needs often yield different standards.
- Objectives:**
- Discuss current efforts of AABB and FDA to re-examine donor hemoglobin/and donation frequency standards to prevent iron depletion
 - Discuss challenges of establishing blood supplies in Africa, Afghanistan and other emerging economies
 - Which donor eligibility requirements are rational and evidence based?



#45 Dabigatran (Pradaxa®): A New Oral Anticoagulant

Wednesday 9:30 – 10:30 AM

Intermediate – 1.0 CEU

Speaker: Kristen M Francis, Doctor of Pharmacy, Essentia Health – St. Mary’s Medical Center

Description: Dabigatran (Pradaxa®) is an FDA approved oral direct thrombin inhibitor that is superior to warfarin in reducing the occurrence of stroke and systemic embolism in patients with non-valvular atrial fibrillation. Dabigatran is less susceptible to drug and genetic interactions that affect warfarin. Dabigatran modulates the coagulation cascade with a predictable and consistent pharmacokinetic profile, thus, does not require routine inpatient and outpatient laboratory monitoring. Therefore, dabigatran may be a cost-effective alternative to warfarin in certain individuals.

- Objectives:**
- Describe dabigatran’s pharmacokinetic and pharmacodynamic profile
 - Critically evaluate the role of dabigatran versus warfarin in reducing the risk of stroke and systemic embolism in patients with non-valvular atrial fibrillation
 - Determine the need for inpatient and outpatient laboratory monitoring compared to warfarin

#46 Fats: The Good, The Bad and The Ugly

Wednesday 9:30 – 10:30 AM

Intermediate – 1.0 CEU

Speaker: Bonnie Brost, RD, LD, CDE, Dietitian, Essentia Health – Heart and Vascular Center

Description: Fats: The Good, The Bad and The Ugly will include a review of lipid goals and the importance of including some good fats in the diet and limiting the bad fats and the sugars. The benefits of Omega 3 fatty acids will be highlighted and what a consumer needs to be aware of when purchasing Omega 3 supplements. This presentation will look at the confusion the food industry and the supplement industry is creating for the consumer.

- Objectives:**
- Participants will be able to verbalize what cholesterol goals are for different patient groups
 - Participants will be able to describe at least one dietary change or choice that will improve at least one component of a lipid profile
 - Participants will be able to describe what to look for on a fish oil supplement label to meet the American Heart Association recommendations for EPA and/or DHA intake
 - Participants will be able to verbalize components of the diet that offer good fatty acids, that should be included in the diet

#47 Three “P’s” in Infectious Disease: Pertussis, Parapoxvirus and Pseudomonas aeruginosa – the Liverpool strain

Wednesday 10:45 – 11:45 AM

Intermediate – 1.0 CEU

Speakers: Linda Van Etta, MD, FACP, FIDSA, St. Luke’s Hospital, Duluth, Minnesota

Description: This session will review three infectious organisms and their associated diseases. The majority of discussion will be regarding pertussis and its increasing incidence in Minnesota and other states. Discussion will include new recommendations regarding vaccination for prevention of this disease. The other two organisms that will be discussed are the newly described parapoxvirus that has infected deer hunters and the transmissible strain of Pseudomonas aeruginosa from Liverpool that has now spread to North America.

- Objectives:**
- Discuss the clinical presentation of pertussis and appropriate vaccination for prevention
 - Describe the newly reported parapoxvirus infection reported in deer hunters
 - Discuss the risks to cystic fibrosis patients of the Liverpool strain of Pseudomonas aeruginosa



#48 Chronic Fatigue Syndrome and XMRV – Doesn't It Make You Tired Trying to Reconcile Conflicting Studies?

Wednesday 10:45 – 11:45 AM

Intermediate – 1.0 CEU

Speaker: Jed B Gorlin, MD, MBA, Medical Director, Memorial Blood Centers & Hennepin County Medical Center

Description: XMRV – xenotropic murine retrovirus has been implicated in both prostate cancer and chronic fatigue syndrome, however, different studies have yielded striking evidence, both linking and completely failing to find linkage between the presence of the virus and two diagnoses. How can one reconcile such incompatible results?

- Objectives:**
- Understand the reported association between XMRV and prostate cancer
 - Understand the challenges in defining chronic fatigue syndrome
 - Understand the conflicting results both finding and refuting a connection between XMRV and CFS patient nucleic acid repositories

#49 Process Excellence at Essentia Health

Wednesday 10:45 – 11:45 AM

Basic – 1.0 CEU

Speaker: Kris Henry, Senior Process Expert, Essentia Health Process Excellence Department

Description: Essentia Health has been on a journey for the past 3 years to implement the Lean Six Sigma methodology to improve processes for patients and staff. Process Excellence is Essentia's branding of the Lean Six Sigma methodology. This presentation will cover how Process Excellence is improving the care and experience for patients, as well as some basics of the Lean Six Sigma methodology.

- Objectives:**
- Describe the impact of Process Excellence at Essentia Health
 - Define Lean Six Sigma
 - Describe how to use some basic concepts

#50 Catastrophic Illness: A Case Study

Wednesday 10:45 – 11:45 AM

Intermediate – 1.0 CEU

Speakers: Geoffrey A Witrak, Pathologist, Essentia Health

Description: A case study of a catastrophic illness with a surprising diagnosis.

- Objectives:**
- Review of lab results of a critically ill patient
 - Brief peripheral smear review
 - Evaluation of lab test results that relate to multi-organ failure

Exhibits and Lunch

Wednesday 11:45 – 1:15 PM

- ASCP/CLMA (combined) Business Meeting and Luncheon



#51 Error Reduction: Pre-Analytical Safety Strategies**Wednesday 1:15 – 2:15 PM**Intermediate – 1.0 CEU *Sponsored by CentraCare Health System***Speakers:** Cindy Johnson MS, MLS (ASCP)^{CM}, Director of Laboratory Operations, CentraCare Health System
Jeremy Angell, BA, PBT (ASCP)^{CM}, Laboratory Support Services Coordinator, CentraCare Health System**Description:** National patient safety goals have thrust attention on error reduction in the healthcare industry. Laboratory errors put our patients at risk of harm. This presentation outlines key patient safety strategies successfully implemented in the pre-analytical phases of testing. Several of these initiatives have been adopted throughout other areas of the health system.

- Objectives:**
- Identify key areas where improvements can be made to reduce pre-analytic errors
 - Discuss effective strategies and tools for reducing these errors
 - Describe outcomes realized from successful implementation

#52 Vitamin D Levels: Essentials, Assessment, Implications**Wednesday 1:15 – 2:15 PM**Intermediate – 1.0 CEU *Sponsored by Siemens Healthcare Diagnostics***Speaker:** Tricia Bal, MD, MBA, Siemens Healthcare Diagnostics**Description:** It has been well established that vitamin D plays an important role in good musculoskeletal health. There is also emerging evidence that inadequate vitamin D levels are associated with increased risk for certain cancers, autoimmune diseases, and cardiovascular disease. This presentation addresses essential background information (epidemiology, metabolism, and recommended range), key issues in assay management, and evidence that shows the association between inadequate vitamin D levels and the risk for certain diseases/conditions (musculoskeletal and nonmusculoskeletal).

- Objectives:**
- Define the levels of vitamin D that are associated with deficiency, insufficiency, and sufficiency
 - Describe the importance of measuring a total vitamin D
 - Describe the association between vitamin D levels and disease risk

#53 Not Just Little Adults: Working with the Pediatric Patient in the Laboratory Setting**Wednesday 1:15 – 2:15 PM**

Basic – 1.0 CEU

Speakers: JoHanna Orman, MA, Certified Child Life Specialist, Essentia Health Children's Services**Description:** This session will provide information about helping the pediatric patient during lab draws or procedures. Participants will hear information about helping pediatric patients during lab draws or procedures and will learn strategies to help their young patients cope during their visits.

- Objectives:**
- List ways to prepare and support pediatric patients during lab draws
 - Summarize the benefits of comfort positioning and how to utilize comfort positions
 - Understand common errors related to working with pediatric patients
 - Identify strategies and techniques for helping pediatric patients who are having difficulty during lab draws



#54 A Mindful Way in a Turbulent World

Wednesday 1:15 – 2:15 PM

Basic – 1.0 CEU

Speaker: Bob Lyman, MS, ED, LICSW, Employee Assistance Program Coordinator, St. Luke’s Hospital Outpatient Mental Health Clinic & Employee Assistance Program, Duluth, Minnesota

Description: Attendees will learn the basic concepts of mindfulness. Mindfulness, self-remembering, presence, being in the awakened state – these are terms that refer to an altered state of consciousness that can be learned by practicing exercises that will be taught that are designed to show a person how to achieve this state by meditation and deep breathing. This altered state is characterized by a vivid and tangible experience of being in the present moment, a heightened sense of dwelling inwardly in one’s body as a whole and feeling what the body is doing in the present moment. You will have a sharpened and heightened clarity of the five ordinary senses, and the ability to achieve an unbiased and highly objective perspective of life, grounded in direct experiencing alone. It is widely regarded by those who have experienced this state of consciousness that mindfulness is at the heart of experiencing and understanding the secrets and inner truths that are associated with mystical, spiritual, and metaphysical systems. The simple experience of mindfulness, itself can answer many questions.

- Objectives:**
- Will understand the basic concepts of Mindfulness
 - Will be able to practice at least two types of meditations
 - Will be able to apply these practices to their work and home settings to stop and calm one’s self
 - Will be able to assess their stress and begin to manage it with the mindfulness techniques

#55 Newborn Screening: What’s New and What You Should Know

Wednesday 2:30 – 3:30 PM

Intermediate – 1.0 CEU

Speaker: Amy Gaviglio, Genetic Counselor, Short Term Follow-Up Supervisor, Minnesota Department of Health, Newborn Screening Program

Description: Since its inception in 1965, newborn screening in Minnesota has grown to include over 50 rare disorders. Each year, newborn screening in Minnesota finds over 200 children who benefit from early detection and treatment. With this expansion, comes new issues in collection, testing, and follow-up. This session will discuss new developments in newborn screening; including collection, testing methodology, positive results, and follow-up.

- Objectives:**
- List the goals and importance of the Newborn Screening Program
 - Describe components of the laboratorian’s role in newborn screening
 - Describe disorders screened for by Minnesota newborn screening
 - Understand new issues in expanded newborn screening and storage of dried blood spots



#56 Hemovigilance for Your Hospital

Wednesday 2:30 – 3:30 PM

Intermediate – 1.0 CEU

Speaker: Claudia S Cohn, MD, PhD, Medical Director, Blood Bank Laboratory, University of Minnesota Medical Center

Description: Hemovigilance is an initiative from the CDC/National Healthcare Safety Network. It is designed to help make all aspects of blood transfusions safer. The CDC/NHSN hopes to eventually enroll all transfusion services in the United States in the Hemovigilance module. This will allow for a nationwide assessment of transfusion practice and will let transfusion services compare their practice with multiple similarly sized hospitals. The University of Minnesota Medical Center implemented Hemovigilance this past winter. The most important aspects of Hemovigilance will be discussed, with an emphasis on how it will help individual transfusion services.

- Objectives:**
- Describe the CDC/National Healthcare Safety Network’s Hemovigilance module
 - Summarize the work involved with Hemovigilance
 - Assess how Hemovigilance can help with transfusion safety
 - Assess how Hemovigilance can help each participating hospital

#57 CLMA Hot Topics

Wednesday 2:30 – 3:30 PM

Intermediate – 1.0 CEU *Sponsored by CLMA – Minnesota Chapter*

Speaker: CLMA – Minnesota Chapter

Description: Open forum – Discuss the Hot Topics facing laboratory professionals and share tools and ideas for addressing these topics.

- Objectives:**
- Define the current issues and topics relevant to laboratory professionals
 - Discuss implementation strategies that have been effective
 - Assess tools and work aids

#58 Documents: The 3 Ps and Beyond

Wednesday 2:30 – 3:30 PM

Basic – 1.0 CEU *Sponsored by Memorial Blood Centers*

Speakers: Kendra Reynolds, Director, Quality and Regulatory Affairs, Memorial Blood Centers
Judy Wenzel, Transfusion and Tissue Services Manager, Children’s Hospitals and Clinics of Minnesota

Description: The session will review the purpose of three main document types; Policies, Processes and Procedures and the differences between them. We will also discuss the linkage between these documents and how these documents can be used in the development and management of the laboratory’s workforce system including the creation of meaningful job descriptions and training plans.

- Objectives:**
- List 3 types of documents and describe their uses
 - Identify differences between processes vs. procedures
 - Describe the linkage between policies, processes and procedures
 - Discuss how processes and procedures can be used to create meaningful job descriptions and training plans



