

2009
ASCLS-WASHINGTON
SPRING SEMINAR



Spokane
Convention Center
Spokane, WA
April 16 - 18, 2009

WELCOME!

Invitation To Attend

**Make Spokane your next stop for Education
Spring Seminar 2009**

The Spokane Society for Clinical Laboratory Science is proud to host the 2009 ASCLS-WA Spring Seminar. We invite our colleagues in the laboratory profession to join us in Spokane at the Convention Center for three days of high quality, informative continuing education. We hope this meeting provides you with the opportunity to update your knowledge of cutting edge topics and refresh your skills in core laboratory areas.

On Thursday, April 16th during lunch, please come and join us and enjoy a Keynote speaker. Not only will you enjoy your food, you will enjoy the speaker. If you have paid for all day classes on Thursday, you will be provided a ticket for the luncheon.

Many of you are aware of the work that goes into planning a Spring Seminar. I would like to thank those involved for generously giving their time and expertise, and for their commitment to the profession to produce such a high caliber of educational topics for you to enjoy. So come and spend some time with us at the seminar. This is your way of saying thank you to those who worked so hard.

I look forward to welcoming you to the 2009 Spring Seminar. Enjoy and have fun.

Margie Vaccaro
General Chair



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Spring Seminar Committee

General Chair	Margie Vaccaro
Program	Holly Berg
Registration	Lynne Nordrum Denise Pichotta
Program Design	Brenda Kochis
Finance	Janie Boyce
A/V	Lynn Magney Teresa Lowe
Moderators	Katrina Hull Kathy Stierwalt
Hospitality	Lisa Stolte
Sponsors	Carissa Schmidt
Webmaster	Brenda Kochis
Advisor	Donna Reinbold

ASCLS-Washington

Region IX Director	Mary Lashinski
President	Mary-Helen Carroll
President Elect	Molly Morse
Secretary	Sue Seegers
Treasurer	Sammie Preble

ASCLS-WA Board Meeting and House of Delegates
Friday, April 17, 2009, 5:00 PM

Northwest State Society of the American Medical Technologists

President	Jo Abraham
Vice President	C. Ron Cato
Secretary	Susanna Hancock
Treasurer	James Grettner

NWSSAMT Board Meeting and Business Meeting
Friday, April 17, 2009, 5:00 PM

Session Information

Registration Hours
7:30 AM - 8:30 AM
12:00 PM - 1:00 PM

Scientific Session
8:30 AM - 12:00 PM
1:00 PM - 4:30 PM

Coffee Breaks
10:00 AM - 10:30 AM
2:30 PM - 3:00 PM

Lunch is from 12:00 - 1:00 PM each day
Individuals registered for a morning and an after
noon session on the same day will be provided lunch.

Name Badges are required for entrance to all sessions.

Smoking: There is no smoking during the sessions or in the
Convention Center.

Dress: Casual business dress is appropriate.

Cell Phones/Pagers: As a courtesy to the speakers and reg-
istrants, all cell phones and pagers must be turned off during
the sessions.

Meeting Room Assignments: The meeting room assign-
ments will be printed on the session sheet in your registra-
tion packet. A floor plan will be available at the registration
desk.

Session Accreditations

P.A.C.E.* and AMTIE credits have been approved for all
appropriate sessions.

ASCLS-WA is approved as a provider of continuing education
programs in the clinical laboratory sciences by the ASCLS
P.A.C.E.* program. Additionally, ASCLS-WA is approved as a
provider for California clinical laboratory licensees under
P.A.C.E.* California accrediting agency license number 0001.
ASCLS-WA will be using CE Organizer for documentation of
continuing education credits. Please make of note of the
P.A.C.E.* number and of the session number that will be given
to attendees in each session after the session break. Without
this information, the attendee will not be able to obtain their
electronic certificate.

Be prepared to list your social security number for the
AMTIE rosters.

NWSSAMT is the approved provider for AMTIE CECs and
insures that these educational presentations confirm to stan-
dards established by AMTIE.

Sponsors

The 2009 ASCLS-Washington Spring Committee would like to extend its sincere thanks to the following companies and organizations for their support.

Abbott Laboratories

BD Diagnostics

BD GeneOhm

Beckman Coulter

The Binding Site, Inc.

AspirinWorks by Corgenix

Diagnostica Stago

Diasorin

Inverness Medical

Phadia

Providence - Sacred Heart Medical Center & Children's Hospital

PAML/PACLAB/AML/TCL

Qiagen

Roche Diagnostics

Spokane Society for Clinical Laboratory Science

The 2009 Spring Seminar Program and registration form are available on the Internet at the following URL

www.asclswa.org

Updates and other information will be provided through this site.

Hotel

Holiday Inn Express
Downtown Spokane-On the Rock
801 North Division
Spokane, WA 99202

Phone: 509-328-8505

Fax: 509-325-9842

Express Start Breakfast Bar each morning.
Shuttle to the Convention Center.

The Holiday Inn Express is located 0.3 miles from the Convention Center, an easy and pleasant walk should you so choose.

Shuttles are available to and from the Spokane International Airport. Please call the hotel with flight information a week before arrival.

Rates: \$99.00 per night plus tax. Please mention that you are with the 2009 ASCLS-WA Spring Seminar to obtain these rates.

Directions: Westbound and Eastbound I-90 take exit 281 to Division Street. Drive north on Division over the Spokane River Bridge, enter the left turn lane to take a left at the traffic signal on North River Drive. Hotel entrance will be on your right.

Convention Center Information

Spokane Convention Center
334 West Spokane Falls Blvd
Spokane, WA 99201

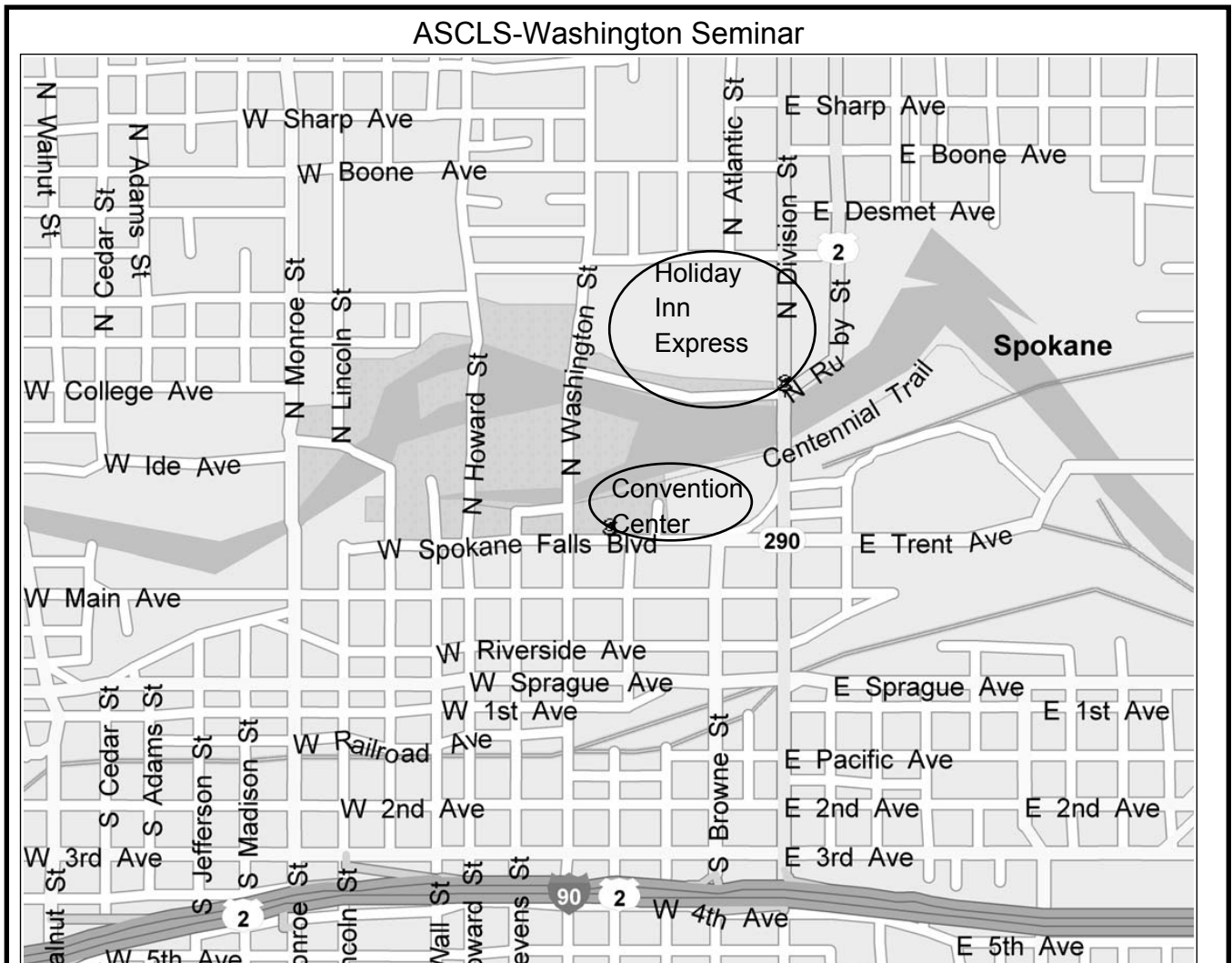
www.spokanecenter.com

Phone: (509) 279-7000

The Spokane Convention Center sits on the bank of the Spokane River, adjacent to 100-acre Riverfront Park in the heart of downtown Spokane, yet it is within walking distance to fine dining, exquisite hotels and a wide variety of shopping and entertainment. Spacious, open lobbies offer comfortable areas for attendees to network, check e-mail or just relax. Also within the SCC campus are many outdoor locations, such as a peaceful arbor, breezeway, and roofdeck patio, each graced with an intimate view of the Spokane River. (Information courtesy of the Spokane Convention Center)

The SCC has over 400 parking spaces below the exhibit halls with an additional 1,100 parking spaces within a two-block radius to accommodate your parking needs. Convention Center parking is \$6.00 per day. For those registrants staying at the Holiday Inn Express, there will be a shuttle to the Convention Center.

Map Showing Convention Center and Holiday Inn Express



Thursday, April 16, 2009

Session # 1
8:30 AM - 12:00 PM
3 Contact Hours
Intermediate

Osteoporosis Update – Fundamental Processes in Bone Physiology & Assessing Thyroid Function

This combined session will discuss the dynamics of bone metabolism and the clinical consequences if this process is disturbed. The risk factors for osteoporosis will be discussed along with tools for diagnosis and management of the disease. The role of the parathyroid hormone (PTH) in maintaining calcium homeostasis will be explained in addition to its use in Intra-operative testing while the second part discusses the collaborative role of the Clinical Laboratory in the diagnosis and management of thyroid disorders. After a review of the dynamics of thyroid physiology, the role of thyroid function tests in the diagnosis and management of thyroid disorders will be illustrated. Laboratory testing guidelines along with suggested testing algorithms for assessing thyroid function will be discussed.

At the end of this session, participants will be able to

- ✓ Discuss the physiological and biochemical elements involved in the process of bone remodeling,
- ✓ Identify the risk factors, consequences, diagnosis and management of osteoporosis,
- ✓ Explain the laboratory utilization of bone markers for assessing bone resorption and formation,
- ✓ Define to role of Parathyroid Hormone (PTH) in calcium regulation,
- ✓ Explain the use of Intra-operative PTH testing in the management of disease,
- ✓ Explain basic thyroid physiology,
- ✓ Identify the types of thyroid disorders,
- ✓ Describe the relationship between laboratory-based thyroid tests and thyroid function, and
- ✓ Discuss laboratory testing guidelines for the diagnosis and management of patients with thyroid disorders.

DAVID SCHAFFNER PHD, MT(ASCP)

Scientific Affairs Manager
Beckman Coulter, Inc
Brea, CA

Sponsored by Beckman Coulter

Session # 2
8:30 AM - 12:00 PM
3 Contact Hours
Intermediate

Review of Anemia Using a Case Study Approach

This interactive session will include an overview of anemias, including their classification based on pathophysiology and morphology and laboratory tests used in diagnosis. Updates in iron metabolism and its relationship to anemias will be discussed. Participants will be challenged with case studies.

At the end of this session, participants will be able to

- ✓ Discuss possible causes of the anemia given laboratory test results and blood smear picture,
- ✓ Suggest appropriate laboratory follow-up tests to determine anemia classification and evaluate results, and
- ✓ Relate abnormalities in iron metabolism with anemias.

SHIRLYN B. MCKENZIE, PH.D., CLS(NCA), MT(ASCP)SH

Professor and Chair, Dept. of Clinical Laboratory Sciences
University of Texas Health Science Center
San Antonio, TX

Sponsored by Abbott Laboratories

Thursday, April 16, 2009

Session # 3
8:30 AM - 12:00 PM
3 Contact Hours
Intermediate

Pediatric Oncology

This session will help you understand how the laboratory helps support the physician to diagnose and care for an oncology patient. Using case studies, we will walk through the diagnosis and treatment of a patient as seen through the lens of the laboratory.

At the end of this session, participants will be able to

- ✓ Identify tools for diagnosing both liquid and solid tumors,
- ✓ Discuss the laboratory monitoring required for a patient with tumor lysis syndrome,
- ✓ Explain how oncology patients may develop hematologic issues as a side effect of treatment and how these are diagnosed in the lab,
- ✓ Describe the role of monitoring drug levels in the treatment of leukemias, and
- ✓ Describe the role of cytogenetics in diagnosing and monitoring oncology patients.

JUDY FELGENHAUER MD

Medical Director, Pediatric Hematology/Oncology
Sacred Heart Children's Hospital
Spokane, WA

Session # 4
8:30 AM - 12:00 PM
3 Contact Hours
Intermediate

HLA Basics and Test Methods

Participants will learn about the mysterious and complex tests that are performed in Human Leukocyte Antigen (HLA) laboratories.

At the end of this session, participants will be able to

- ✓ Define HLA and describe tests performed in an HLA lab, and
- ✓ Discuss clinical applications of HLA.

RUBY SIEGEL

HLA Technologist II
Inland Northwest Blood Center
Spokane, WA

Transfusion Related Acute Lung Injury

This session will be a discussion of epidemiology, presentation, and pathogenesis of Transfusion Related Acute Lung Injury (TRALI) with strategies for risk reduction.

At the end of this session, participants will be able to

- ✓ Describe TRALI, and
- ✓ Discuss the pathophysiology and risk reduction strategies

ROBERT D. RANLETT, MD

Medical Director
Inland Northwest Blood Center
Spokane, WA

Thursday, April 16, 2009

Session # 5
1:00 - 4:30 PM
3 Contact Hours
Intermediate

HPV Epidemiology and Updated Guidelines for HPV Testing/ Co-testing with PAP

This session will discuss HPV Epidemiology and the updated guidelines for HPV testing/co-testing with PAP. We will also cover future testing options in the laboratory (genome testing & automation).

- At the end of this session, participants will be able to
- ✓ Discuss current and future HPV testing

MRIDULA IYER, PHD

Assoc Director, QIAGEN Molecular Diagnostics
Qiagen
Germantown, MD

Sponsored by Qiagen

Session # 6
1:00 - 4:30 PM
3 Contact Hours
Intermediate

Connecting the Dots – Food Borne Disease Outbreak Investigation

Food outbreaks can be so much more than just a few people with diarrhea. A recent Salmonella outbreak resulted in changes in equipment design and retrofitting for an entire industry. This is an intriguing story that will change how you look at your next sandwich.

- At the end of this session, participants will be able to
- ✓ Describe outbreak investigation processes, and
 - ✓ Discuss salmonella prevention strategies.

JANET ANDERBERG, R.S.

Public Health Advisor
Washington State Dept of Health
Edmonds, WA

Session # 7
1:00 - 4:30 PM
3 Contact Hours
Advanced

An Update on the Myeloid Hematopoietic Neoplasms

This session will discuss how advances in our understanding of the genetic basis of myeloid neoplasms are affecting their classification and treatment. Case studies will be used to illustrate concepts discussed.

- At the end of this session, participants will be able to
- ✓ Describe how mutations in tyrosine kinases involved in cell cycling can result in a neoplasm,
 - ✓ Explain why/how the JAK2 gene mutant has affected laboratory test utilization in the classification of MPDs,
 - ✓ Relate the genetic basis of eosinophilic disorders to the proposed new classification of HES, and
 - ✓ Give examples of how our knowledge of epigenetics is affecting the treatment of hematopoietic neoplasms.

SHIRLYN B. MCKENZIE, PH.D., CLS (NCA), MT(ASCP)SH

Professor and Chair, Dept. of Clinical Laboratory Sciences
University of Texas Health Science Center
San Antonio, TX

Sponsored by Abbott Laboratories

Session # 8
1:00 - 4:30 PM
3 Contact Hours
Intermediate

Asthma and the Pediatric Patient

This session will outline the importance of following NIH guidelines for Asthma. We will also discuss the importance of identifying triggers for allergic asthma patients, particularly pediatric patients, to provide early diagnosis, lessen frequency of events and provide better quality of life for the allergic asthmatic. Most patients with asthma have “allergic asthma”. The optimum treatment of asthma requires identification of the offending allergen so that the allergen can be eliminated, avoided or treated. Diagnostic testing of Sp IgE and Total IgE are essential to the diagnosis of Asthma. If allergens can be identified in infancy and early childhood, progression to asthma may be prevented.

At the end of this session, participants will be able to

- ✓ Describe the role of allergy in asthma, and
- ✓ Identify triggers associated with allergic asthma.

SANFORD “SANDY” P. BENJAMIN, M.D.

Medical Director of Carolinas Medical Center, Mercy Hospital
Carolinas Medical Center, Mercy Hospital
Charlotte, NC.

New Diagnostic Paradigms in the Management of Asthma & Allergy

In this session we will discuss the common disease conditions associated with allergic symptoms in upper and lower respiratory diseases in adults and children. We will discuss ImmunoCAP including

- Who to test with ImmunoCAP
- Why should a patient be tested
- What are benefits of ImmunoCAP testing to both the physician and patient
- How to order an ImmunoCAP test
- How to interpret the Lab report

At the end of this session, participants will be able to:

- ✓ Describe that the common denominator in allergic diseases is inflammation, and
- ✓ Differentiate ImmunoCAP specific testing from earlier IgE testing methods.

DAMON BRADLEY RASKIN, MD

General Internal Medicine
Pacific Palisades, CA

Sponsored by Phadia, Inc

Friday, April 17, 2009

Session # 9
8:30 AM - 12:00 PM
3 Contact Hours
Intermediate

Managing Preanalytical Variables in Venipuncture

Managing Preanalytical Variables in Specimen Collection is an intermediate course intended for phlebotomist, 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 its impact. Focus will be placed on established guidelines, procedures and techniques for proper venipuncture, specimen collection, processing and handling.

At the end of this session, participants will be able to

- ✓ Describe the importance of preanalytical variables in specimen collection,
- ✓ Identify the preanalytical phase as the time from test ordering until sample analysis,
- ✓ Identify contributing factors in specimen collection, processing/handling and the effect on laboratory testing, and
- ✓ Discuss how to minimize occurrences of preanalytical error in the institution, enhance sample quality, accuracy of laboratory data and quality of patient care.

Troubleshooting Hemolysis

The issue of hemolysis has always plagued clinical laboratories and continues to be a growing concern. Hemolysis leads to a higher rate of rejected specimens and is a cause of frustration for both the lab and the “floors”. It can affect all areas in the laboratory and cause erroneous patient results. This presentation will discuss factors known to cause hemolysis. Awareness and consideration of these factors will reduce the occurrence of hemolysis and improve the quality of the specimen delivered to the laboratory for clinical laboratory testing.

At the end of this session, participants will be able to

- ✓ Define and describe hemolysis,
- ✓ Recognize & identify causes of hemolysis,
- ✓ List the effects of hemolysis on test results, and
- ✓ Describe procedures that help reduce hemolysis.

SHIRTA A. SMITH, MS, MT(ASCP)

Manager, Global Technical Services
BD Diagnostics Preanalytical Systems
Franklin Lakes, NJ

TRICIA CASSIDY, MT(ASCP)

Sales Consultant
BD Preanalytical Systems
Seattle, WA

Sponsored by BD Diagnostics

Friday, April 17, 2009

Session # 10
8:30 AM - 12:00 PM
3 Contact Hours
Intermediate

Molecular Applications in the Diagnosis and Staging of Infectious Disease

This session will focus on the role that the latest molecular-based technologies play in the diagnosis and staging of select viral and bacterial diseases, with emphasis on Hepatitis B, Hepatitis C, HIV, HPV, Bordetella pertussis, and MRSA infections. The utility of molecular-based testing in monitoring disease progression and response to therapy will also be described for viral infections including Hepatitis B, Hepatitis C, and HIV.

- At the end of this session, participants will be able to
- ✓ Describe current molecular-based technologies commonly utilized in the molecular diagnostic laboratory,
 - ✓ Discuss the utility of molecular-based testing in the diagnosis and staging of select viral and bacterial infections, and
 - ✓ Describe how molecular-based testing is used to monitor disease progression and therapeutic response in Hepatitis B, Hepatitis C and HIV infections.

MARCY L. HOFFMANN, PHD

Technical Director, Molecular Diagnostic Laboratory
Sacred Heart Medical Center
Spokane, WA

Session # 11
8:30 AM - 12:00 PM
3 Contact Hours
Intermediate

POC PT/INR Testing and Method Validation

In this session the participant will develop an understanding of Warfarin therapy and PT/INR testing, including its limitations. We will also review how to perform a correlation study, analyze the data and validate POC PT/INR testing in the clinical setting.

- At the end of this session, participants will be able to
- ✓ Describe the limitations of PT/INR testing (both laboratory and POC based), and
 - ✓ Perform a method validation (correlation study) and analyze the data for a POC PT/INR device.

RICHARD J. ACKERMAN, MT(ASCP)

Technical Director – West
Inverness Medical
Englewood, CO

Sponsored by Inverness Medical

Friday, April 17, 2009

Session # 12
8:30 AM - 12:00 PM
3 Contact Hours
Intermediate

An Aspirin a Day - You Can Die Anyway!

What you need to know about aspirin treatment failure. Are you or a loved one on daily aspirin therapy? Research indicates that 25% or more of those taking low dose aspirin are not receiving the full effect or are resistant to the benefits of aspirin! Gordon Ens brings firsthand experience for the importance in testing for aspirin treatment failure.

At the end of this session, participants will be able to

- ✓ Describe anti-platelet therapy,
- ✓ Describe the mechanisms for anti-platelet therapy failure,
- ✓ Define why “one dose” does not fit all, and
- ✓ Define what is aspirin “resistance”.

Gordon Ens

Director of Clinical Affairs
Corgenix Medical Corporation
Bloomfield, CO

AspirinWorks – The Science Behind It

Twenty five percent of patients taking low dose aspirin therapy are not receiving the full effect of aspirin, leaving themselves at risk of heart attack, stroke and cardiac death. Aspirinworks is a urine test that identifies a patient’s response to aspirin therapy. This session will reveal the science, technology and utility in identifying the specific urinary biomarker.

At the end of this session, participants will be able to

- ✓ Describe the role of testing for urinary 11-dehydrothromboxane B2,
- ✓ Describe the role aspirin plays in reducing 11-dehydrothromboxane B2, and
- ✓ Describe the science of anti-platelet therapy.

F. JON GESKI, PHD

Project Director
Corgenix Medical Corporation
Bloomfield, CO

Sponsored by Corgenix

Friday, April 17, 2009

Session # 13
1:00 - 4:30 PM
3 Contact Hours
Intermediate

Flow Cytometric Analysis in Chronic Lymphocytic Leukemia and Myelodysplastic Syndrome

This section contains two parts. The first pertains to chronic lymphocytic leukemia. Basic clinical and pathologic features are described with special emphasis on flow cytometric diagnosis. Prognostic factors are discussed. Similarly, the second part will provide basic clinical and pathologic features of myelodysplastic syndrome, including recent advances in using flow cytometric analysis as an adjunct to diagnostic investigation.

At the end of this session, participants will be able to

- ✓ Identify population at risk of developing chronic lymphocytic leukemia,
- ✓ Describe the presenting symptoms and abnormal hematologic parameters, and
- ✓ Describe the diagnostic tests performed to arrive at the diagnosis, insight of prognostic factors.

TRUC T PHAM, MD

Hematopathologist
InCyte Pathology
Spokane, WA

Session # 14
1:00 - 4:30 PM
3 Contact Hours
Intermediate

Cardiac Risk Assessment: the Role of the Laboratory

This session will discuss the appropriate use of laboratory testing to predict the risk of heart attack and stroke, and the ways in which laboratory findings can guide preventative therapy.

At the end of this session, participants will be able to

- ✓ Describe the basic pathophysiology of atherosclerosis, and how these processes can lead to cardiac disease and stroke,
- ✓ Describe how specific laboratory tests can be used to predict an individual's risk for developing cardiovascular disease, and
- ✓ Describe the latest National Institutes of Health recommendations for assessing cardiovascular risk, and the ways in which these assessments can guide preventative therapy.

THOMAS J ALLERDING, MD

Medical Director
InCyte Pathology
Pathology Associates Medical Laboratories
Sacred Heart Medical Center Laboratories
Spokane, WA

Friday, April 17, 2009

Session # 15
1:00 - 4:30 PM
3 Contact Hours
Intermediate

Microarray Fundamentals

This session will cover the basic fundamentals of microarray technology and its application in a cytogenetic laboratory.

At the end of this session, participants will be able to
✓ Discuss the fundamentals of microarray technology.

BLAKE C BALIFF, PHD

Director, Product Development and Research
Signature Genomic Laboratories
Spokane, WA

Session # 16
1:00 - 4:30 PM
3 Contact Hours
Intermediate

Flow Cytometry: Making Sense Out of All the Fluorescence

This session will help introduce some of the basics of Flow Cytometry to laboratory professionals. The session will cover general design of flow cytometers and basic Immunology. By exploring case studies, we will develop an understanding of essential phenotypes of various neoplasms, and also discover some of the challenges facing us in using Flow Cytometry as a diagnostic tool. We will also discuss how Flow Cytometers are used to help evaluate other diseases and research new therapies.

At the end of this session, participants will be able to
✓ Describe the basic design of a flow cytometer,
✓ Discuss how to distinguish normal from abnormal in flow cytometry, and
✓ Distinguish between basic lymphomas and leukemias using flow cytometry.

DAVE OSBORN, MT(ASCP)

Senior Cytometry Account Manager
Beckman Coulter
Miami, FL

Sponsored by Beckman Coulter

Session # 17
8:30 AM - 12:00 PM
3 Contact Hours
Intermediate

The Electronic Health Record: Past, Present, Future, and the Impact on the Clinical Laboratory

This session will describe the drivers for change which is leading to the implementation of electronic health record systems across the country. In addition, the attendee will be afforded the opportunity to view what a clinical electronic health record system looks like in use and how the laboratory component is integrated into the workflows. Ways in which laboratory professionals can get involved in the implementation and maintenance will also be discussed.

- At the end of this session, participants will be able to
- ✓ Discuss the drivers for change which are leading to the implementation of electronic health record systems.
 - ✓ Discuss the challenges in implementing an electronic health record system,
 - ✓ Describe the laboratory component of an electronic health record system and ways in which laboratory professionals can be involved in the design, implementation, and ongoing maintenance of the system. and
 - ✓ Discuss the future role of Laboratory Information System Specialists as the health care world becomes more integrated.

Lessons Learned from Starbucks: Making ASCLS Extraordinary

The Starbucks Corporation has revolutionized the personalized customer experience model. Their five principles for turning ordinary into extraordinary to grow their business and customer base has direct application to ASCLS. This session will explore how ASCLS can take advantage of those lessons learned and apply them to our situation to grow our organization.

- At the end of this session, participants will be able to
- ✓ Discuss the Starbucks business model used to transform ordinary into extraordinary,
 - ✓ Discuss the five key leadership principles and their application ASCLS, and
 - ✓ Describe ways in which ASCLS can apply these five principles to grow our organization.

SCOTT E. AIKEY, MS, CLDIR/CLS(NCA)

ASCLS President
Sr. Solutions Consultant
The Children's Hospital of Philadelphia
Cherry Hill, NJ

Saturday, April 18, 2009

Session # 18
8:30 AM - 12:00 PM
3 Contact Hours
Intermediate

Human Progenitor Cells: Establishing the HPC Program at the Inland Northwest Blood Center

This section will discuss the establishment of a comprehensive program for HPC services, including validation of the process, donor/patient management, the nuts and bolts of handling the HPC in the laboratory, and the reinfusion process.

At the end of this session, participants will be able to

- ✓ Identify the steps involved in processing a collected HPC,
- ✓ Discuss donor /patient selection and appropriate transfusion support during collection and transplant, and
- ✓ Evaluate the activities required in creating and monitoring this kind of program such as QC/QA activities and patient care monitors.

PAM BEASLEY MT(ASCP)SBB

Transfusion Service Supervisor
Inland Northwest Blood Center
Spokane, WA

Emerging infections in Transfusion Medicine

In this part of the session we will discuss the INBC experience with testing for Chagas Disease with examination of possible future challenges.

At the end of this session, participants will be able to

- ✓ Discuss Chagas disease testing and list possible future threats.

ROBERT D. RANLETT, MD

Medical Director
Inland Northwest Blood Center
Spokane, WA

Transfusing the Special Patient: Case Studies

This section will use the case study format to present management of the patient with special transfusion needs. Cases will include the patient with hemophilia secondary to acquired factor inhibitor, the obstetric patient with multiple alloantibodies and HDN, and support of exchange transfusion in a child with polyagglutination secondary to bacteremia.

At the end of this session, participants will be able to

- ✓ Correlate clinical and laboratory data from related fields with blood ordering practice in the Transfusion Service, and
- ✓ Evaluate selection of appropriate blood products for the patient with unusual serologic results.

STEVEN ALLEN, MS, MT(ASCP)SBB, CLS(NCA)

Manager of Laboratory Services
Inland Northwest Blood Center
Spokane, WA

Saturday, April 18, 2009

Session # 19
8:30 AM - 12:00 PM
3 Contact Hours
Intermediate

Diagnosis of Disease from Hemogram and Blood Smear

This session is intended to be interactive. The goal is for you to understand and learn to recognize the hematologic disorders commonly seen in your daily hematology lab. Audience participation is highly encouraged. Questions are welcomed at any time. The three hour session will be divided into three main categories; the basic mechanism of hematology analyzer, benign hematology disorders routinely encountered on daily hematology lab, malignant hematology disorders commonly involving peripheral blood. Hemogram, peripheral blood smear review, and the new WHO classification of Tumors of Hematopoietic and Lymphoid Tissues will be incorporated into the presentation to help the audience to understand the diseases.

At the end of this session, participants will be able to

- ✓ Describe the basic mechanism of a hematology analyzer,
- ✓ Identify commonly seen benign hematology disorders on peripheral blood smear review,
- ✓ Describe commonly seen malignant hematology disorders involving peripheral blood.

QIAN-YUN ZHANG, MD., PHD

Associate Professor
University of New Mexico/TriCore Reference Laboratories
Albuquerque, NM

Session # 20
8:30 AM - 12:00 PM
3 Contact Hours
Intermediate

Microbiology Grab Bag

Clinical microbiologists are continually challenged to remain current on new topics that affect their daily practice. This session will provide clinical microbiologists with a broad-based review of a number of important clinical microbiology topics, ranging from blood cultures to urine cultures to daily problem-solving faced by every laboratory.

Practical and relevant topics that will be discussed include:

- use of the BBL CHROMagar Orientation/TSA biplate as primary plating medium for urine cultures,
- available methods for rapid identification of microorganisms from positive blood cultures, and
- common questions asked by microbiologists regarding appropriate test methodologies, culture work-up, and susceptibility testing.

At the end of this session, participants will be able to:

- ✓ Describe urine culture methodology,
- ✓ Discuss the performance of the BBL CHROMagar Orientation/TSA II biplate and conversion from conventional urine culture to the use of CHROMagar,
- ✓ Discuss the need for rapid identification of organisms from blood cultures,
- ✓ Describe available "conventional" and commercial methods for the rapid identification of *Staphylococcus*, *Streptococcus*, gram negative bacilli and yeast from positive blood cultures, and
- ✓ Troubleshoot a variety of practical clinical microbiology problems.

ANN ROBINSON, PHD, D(ABMM), FAAM

Director of Microbiology and Virology
Sacred Heart Medical Center and Pathology Associates Medical Laboratory
Spokane, WA

YVETTE S. McCARTER, PHD (DABMM)

Director of Clinical Microbiology
University of Florida/Shands Jacksonville
Jacksonville, FL

Sponsored by BD GeneOhm and BD

Saturday, April 18, 2009

Session # 21
1:00 - 4:30 PM
3 Contact Hours
Intermediate

Building Effective Leadership Skills

Participants will learn the tools necessary for a successful leadership journey. Discussion will include interaction, coaching and resolving conflict skills.

At the end of this session, participants will be able to

- ✓ Describe how to build a foundation for effective leadership, and
- ✓ Describe effective resolving conflict skills.

KAREN RIBA, SPHR

Training and Education Manager
Pathology Associates Medical Laboratories
Spokane, WA

Session # 22
1:00 - 4:30 PM
3 Contact Hours
Intermediate

Naturopathic Medicine – The Functional Medicine Matrix

Naturopathic Medicine Provides a new health care paradigm. It engages a “functional medicine matrix” approach to integrate the complex processing of environment and genetic predispositions that the whole organism performs (patient’s body, mind, and spirit). The influence of all of these factors on human health is indisputable, especially with respect to chronic disease.

This presentation will apply the functional medicine matrix to consider imbalances in six key areas thought to be precursors to disease: hormones and neurotransmitters, oxidation/reduction reactions and mitochondriopathies, detoxification and biotransformation, immune system function and inflammation, digestion/absorption, and structural imbalances, including cellular.

At the end of this session, participants will be able to

- ✓ Describe the Functional Medicine approach to diagnosing the cause of disease, and
- ✓ Discuss its use as an efficient and effective tool for delivering patient centered care.

JOANNE M. HILLARY PhD, ND

Naturopathic Physician
Hillary’s Health
Spokane Valley, WA

Saturday, April 18, 2009

Session # 23
1:00 - 4:30 PM
3 Contact Hours
Intermediate

The Laboratory Evaluation of Hemorrhagic Disorders

This presentation will cover the hemostatic elements involved in bleeding disorders. These elements include the vascular, platelet and plasma factors. Laboratory tests are critical for the analysis of bleeding disorders and to assist in their treatment. We will look at the laboratory's role, including new tests for von Willebrand Disease and Factor XIII .

At the end of this session, participants will be able to

- ✓ Describe the basics of the process of hemostasis,
- ✓ Discuss the physiological elements of hemorrhagic disorders, and
- ✓ Define the clinical laboratory's role in assessment and management of these disorders.

CATHY WOODMAN-SPEER, CLS, MT(ASCP)

Cellular Product Specialist
Beckman Coulter, Inc
Gridley, CA

Sponsored by Beckman Coulter

Session # 24
1:00 - 4:30 PM
3 Contact Hours
Intermediate

Vitamin D and the Clinical Laboratory

Recent clinical studies and research now collectively illustrate the breadth of Vitamin D's impact on overall health and numerous diseases in men and women ages 20-50. Laboratories are seeing a substantial increase in requests for 25 hydroxyvitamin D testing. In this presentation you will get an overview of vitamin D metabolism, discuss sources of vitamin D, discuss factors affecting vitamin D levels and review several diseases now linked to vitamin D deficiency.

At the end of this session, participants will be able to

- ✓ Discuss the nomenclature and metabolism of vitamin D,
- ✓ Describe the sources of vitamin D,
- ✓ Discuss factors affecting vitamin D levels, and
- ✓ Describe several diseases now linked to vitamin D deficiency.

KRISTA GRINSTEAD

Diagnostic Specialist
DiaSorin Inc
Stillwater MN

Sponsored by Diasorin

Registration Terms and Conditions

Fees are listed for each category. To ensure adequate processing time, please postmark your registration by **March 23, 2009**. An additional \$10.00 fee will be charged for on-site registration. Handouts or lunch will not be guaranteed to on-site registrants.

Lunch is included in the registration fee for persons who are preregistered for an AM and a PM session on the same day. Lunch is not provided for registrants that sign up only for an AM or PM session or who register on-site.

Attendance Categories

Member: Any person who is a current member in good standing of the American Society for Clinical Laboratory Science (ASCLS) or the American Medical Technologists (AMT). Please list your membership number in the appropriate space on the registration form. Anyone joining ASCLS and mailing the completed membership application with the registration form is eligible for member rates. If you choose not to pay your membership with a credit card, please write a separate check for your membership dues payable to ASCLS. Special promotion for ASCLS new members only... 15 months for the price of 12. The membership form and payment must be sent to Denise Pichotta to insure that you will get the promotion term.

Student: A student is defined as any person who is engaged at least half-time in a recognized program leading to either an associate's or bachelor's degree in a clinical laboratory science or one who is in a recognized Clinical Laboratory Internship program.

Phlebotomist: A phlebotomist is defined as any person whose primary responsibility is phlebotomy. AMT's RMA are eligible for Phlebotomist Member fees.

Payment: Full payment in U.S. Dollars must accompany all registrations. Please submit a check for the appropriate payment according to the category that you qualify for. Those registrations without full payment will be held and the registrant notified. Checks must be made payable to "ASCLS-Washington." The bank will not accept checks made payable to any other name. The registration will not be processed until full payment made out to **ASCLS-Washington** is received in U.S. Dollars. No unpaid registrations or credit card registrations can be accepted.

The seminar committee reserves the right to limit registration and cancel any session prior to the seminar should circumstances make it necessary. If a session is cancelled, the registrant may attend another session or receive a refund. Otherwise, due to hotel and session expense obligations, **NO REFUNDS** are permitted.

Registration Questions

For registration questions or information contact:

Denise Pichotta

31706 North Perry Road

Deer Park, WA 99006

Phone: 509-276-7357

E-mail: denise1975@netscape.com

NOTE: Phone calls will be returned either in the evening after 5:00 PM or on weekends. Be sure to include your day and evening phone numbers on the registration form on the following page.

If you wish to receive a confirmation, please include a self-addressed, stamped envelope.

2009 ASCLS-WA Spring Seminar
 April 16 -18, 2009
 Spokane Convention Center
 Spokane, Washington

Please Postmark by March 23, 2009

PLEASE PRINT AND SHOW NAME AS WANTED ON NAME TAG

First Name _____ Last Name _____
 Address _____
 City/State/Zip _____
 Day Phone _____ Evening Phone _____
 Institution _____
 City/State _____
 E-Mail Address _____

Please circle sessions you wish to attend.

Would you be willing to serve as Moderator for any of the sessions you will be attending? Please circle response. Yes No

Thursday April 16	AM	1	2	3	4
	PM	5	6	7	8
Friday April 17	AM	9	10	11	12
	PM	13	14	15	16
Saturday April 18	AM	17	18	19	20
	PM	21	22	23	24

ADVANCED REGISTRATION FEE SCHEDULE (All Full-Day Preregistration INCLUDE Lunch)

Member ASCLS or AMT (Membership #: ASCLS _____ AMT _____)			
Technical/Asministrative Professional			
Full Day	____ days	@ \$80.00	\$ _____
Half Day	____ half days	@ \$40.00	\$ _____
Phlebotomist/RMA/COLT			
Full Day	____ days	@ \$40.00	\$ _____
Half Day	____ half days	@ \$20.00	\$ _____
Student			
Full Day	____ days	@ \$35.00	\$ _____
Half Day	____ half days	@ \$20.00	\$ _____
NonMember			
Technical/Asministrative Professional			
Full Day	____ days	@ \$150.00	\$ _____
Half Day	____ half days	@ \$75.00	\$ _____
Phlebotomist/RMA/COLT			
Full Day	____ days	@ \$70.00	\$ _____
Half Day	____ half days	@ \$35.00	\$ _____
Student			
Full Day	____ days	@ \$35.00	\$ _____
Half Day	____ half days	@ \$20.00	\$ _____
Total			\$ _____

Mail to: Denise Pichotta
 31706 North Perry Road
 Deer Park, WA 99006

Full Payment must accompany all registrations. Remit in U.S. dollars. Make check payable to **ASCLS-Washington**.

Special Promotion for New Members Only ... 15 months for the price of 12.

APPLICATION FOR MEMBERSHIP American Society for Clinical Laboratory Science

Name _____	Date of Application _____
Company _____	Department _____
Address _____	City/State Zip _____
E-mail Address _____	Telephone _____ Fax _____
Home Address _____	City/State/Zip _____
Home Phone _____	
Check here if you want to receive your ASCLS mail at home	

Scientific Assembly

The ASCLS Scientific Assembly sections provide an opportunity for members to network within their own scientific discipline. There is no additional fee for participation. Please choose one primary and one secondary interest.

Primary	Secondary Interest	
____ (01)	____ (01)	chemistry/urinalysis
____ (02)	____ (02)	microbiology
____ (03)	____ (03)	laboratory administration
____ (04)	____ (04)	immunology/immunoematology
____ (06)	____ (06)	histology/cytology
____ (07)	____ (07)	hematology/hemostasis
____ (08)	____ (08)	generalist/public health
____ (09)	____ (09)	industry
____ (10)	____ (10)	education
____ (11)	____ (11)	phlebotomy/POC
____ (12)	____ (12)	molecular
____ (13)	____ (13)	molecular bio/genetics
____ (14)	____ (14)	consultant
____ (15)	____ (15)	regulatory affairs/ qm

CERTIFICATION AGENCY - Circle the corresponding credential obtained; check all that apply.

- | | | | |
|-----------------------|---------------|---------------|-----------------|
| (4) _____ NCA _____ | (a) CLS _____ | (b) CLT _____ | (c) other _____ |
| (5) _____ AMT _____ | (a) MT _____ | (b) MLT _____ | (c) other _____ |
| (6) _____ ASCP _____ | (a) MT _____ | (b) MLT _____ | (c) other _____ |
| (7) _____ HHS _____ | | (b) CLT _____ | (c) other _____ |
| (9) _____ Other _____ | | | |

POSITION - Circle one

- | |
|-------------------------------|
| (P) Lab Director (Admin) |
| (N) Lab Manager |
| (A) Tech. Supervisor |
| (M) Staff Technologist (CLS) |
| (4) Staff Technical (CLT) |
| (t) Phelbotomist |
| (6) Laboratory Assistant |
| (I) Faculty Member/Instructor |
| (K) Program Director |
| (L) Consultant |
| (U) Inspector/Sales |
| (2) Marketing/Sales |

Please assist ASCLS in collecting the following voluntary statistics to provide analysis of professional trends:

Employment Status: __FT __PT __STU __Unemployed __Retired Highest Degree: __H.S. __Assoc. __Bach __Masters __PhD

Year of Birth: ____ Sex __F __M

Race (please circle one) Caucasian / American Indian / Alaskan Native / Asian/Pacific Islander / African American / Hispanic / Other

Contributions or gifts to ASCLS and ASCLS/PAC are not deductible as charitable contributions for federal income tax purposes. However, dues payments may be deductible by members as an ordinary business expense. ASCLS estimates that 9% of your dues will be spent on lobbying, and therefore this portion will not be deductible on your federal income taxes

Special Promotion for New Members Only ... 15 months for the price of 12.

ASCLS Membership Categories and Eligibility Requirements

PROFESSIONAL (*full voting privileges*) is open to all persons certified or engaged in the practice and/or education process of the clinical laboratory science, including those with an active interest in supporting the purposes and goals of this Society. Membership benefits are dependent on level of membership:

PROFESSIONAL I includes basic benefits plus the award winning journal, CLS.

PROFESSIONAL II includes basic benefits only.

National Dues: Professional I - \$95; Professional II - \$72; **plus** State Dues: \$10 for WA, OR, or ID

COLLABORATIVE (*Non-voting privileges*) is available to any individual who currently holds membership in any other *health related national organization* **AND HAS NEVER BEEN A MEMBER OF ASCLS.**

Health related national organization membership: _____

National Dues only: \$45

FIRST YEAR PROFESSIONAL (*full voting privileges*) Open to persons who have graduated within the last twelve months from an accredited program in laboratory science. Prior student membership with ASCLS is not a prerequisite. This membership status is valid for only one year to assist recent graduates. After one year in this category, members are upgraded to Professional membership.

National Dues: \$40.00 plus State Dues: \$10 for WA, OR or ID

STUDENT (*non-voting privileges*) Open to persons enrolled in a structured program of training or academic instruction in clinical laboratory science, or to full-time graduate students in related science area.

National Dues: \$25.00 no state dues in WA, OR, or ID

Persons residing outside of the U.S. are only eligible for the Professional I category.

I wish to join ASCLS as a _____ member.

(Students, please list your expected date of graduation: _____ Mo/Yr.)

Membership dues: _____ + State dues: _____ = Total payment enclosed _____

Method of Payment: (U.S. Funds Only)

Check (payable to ASCLS) Visa MasterCard Amex

Exp. date _____

Card # _____

Name on card _____

Signature _____

Please send the application to Denise Pichotta to assure that you will receive 15 months for the price of 12. Please prepare a separate check to ASCLS if you are paying by check; do not include this in your registration payment.

Sessions at a Glance

Thursday, April 16, 2009		Friday, April 17, 2009		Saturday, April 19, 2009	
AM 8:30 - 12:00	PM 1:00 - 4:30	AM 8:30 - 12:00	PM 1:00 - 4:30	AM 8:30 - 12:00	PM 1:00 - 4:30
1 Osteoporosis Update – Fundamental Processes in Bone Physiology & Assessing Thyroid Function	5 HPV Epidemiology and Updated Guidelines for HPV testing/co testing with PAP	9 Managing Preanalytical Variables in Venipuncture Troubleshooting Hemolysis	13 Flow Cytometric Analysis in Chronic Lymphocytic Leukemia and Myelodysplastic Syndrome	17 The Electronic Health Record: Past, Present, Future, and the Impact on the Clinical Laboratory Lessons Learned from Starbucks: Making ASCLS Extraordinary	21 Building Effective Leadership Skills
2 Review of Anemia Using a Case Study Approach	6 Connecting the Dots – Food Borne Disease Outbreak Investigation	10 Molecular Applications in the Diagnosis and Staging of Infectious Disease	14 Cardiac Risk Assessment: the Role of the Laboratory	18 Human Progenitor Cells: Establishing the HPC program at the Inland Northwest Blood Center Emerging infections in Transfusion Medicine Transfusing the Special Patient: Case Studies	22 Naturopathic Medicine – The Functional Medicine Matrix
3 Pediatric Oncology	7 An Update on the Myeloid Hematopoietic Neoplasms	11 POC PT/INR Testing and Method Validation	15 Microarray Fundamentals	19 Diagnosis of Disease from Hemogram and Blood Smears	23 The Laboratory Evaluation of Hemorrhagic Disorders
4 HLA Basics and Test Methods TRALI	8 Asthma and the Pediatric Patient CHD, LRD, URD	12 An Aspirin a Day – You Can Die Anyway! AspirinWorks – The Science Behind It	16 Flow Cytometry: Making Sense Out of All the Fluorescence	20 Microbiology Grab Bag	24 Vitamin D and the Clinical Laboratory

Denise Pichotta
31706 North Perry Road
Deer Park, WA 99006

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