Seattle Children’s Hospital
Department of Laboratories

2014 Webinar Series

Seattle Children’s Hospital is approved as a provider of continuing education programs in the clinical laboratory sciences by the ASCLS P.A.C.E.® Program
Jan 7  Waste Not Want Not: Tips and Tricks for Reducing Waste in the Clinical Lab
Presented by: Joe Rutledge, MD ................................................................. Page 3

Jan 21  Career Essentials: 10 Ways for Chemists, Techs, and Other Laboratory Professionals to Increase Their Value
Presented by: Ann M. Gronowski, Ph.D .................................................. Page 4

Feb 4  Rational Utilization of Clinical Laboratory Testing
Presented by: Geoff S. Baird, MD, PhD .................................................. Page 5

Feb 18  Lab Talk: Happy Lab Happy Life! How to Have a Difficult but Necessary Conversation with Your Lab Staff
Presented by: Mike Astion, MD, PhD, Jim Hernandez, MD, MS, Carmen Wiley PhD .......... Page 6

Mar 4  Laboratory Testing for Genetic Seizure Disorder, a Practical Approach
Presented by: Heather Mefford, MD, PhD ............................................. Page 7

Mar 18  What are Insurance Companies Doing to Help us Control Unnecessary Laboratory Outpatient Testing
Presented by: Bartley Bryt, MD, MPH .................................................. Page 8

April 8  Why do Lean Implementations Usually Fail and How to Overcome the Odds
Presented by: Linda Nesberg ................................................................. Page 9

April 29  Addressing the Analytical, Therapeutic, and Legal Implications of Neonate Drug Testing
Presented by: Steven W. Cotten, PhD .................................................. Page 10

May 13 Lab Talk: The Future of Next Generation Sequencing: PART 1
This is a roundtable discussion moderated by Mike Astion, MD, PhD .................................. Page 11

June 10  Next Generation Sequencing: Cancer Diagnosis and Prognosis
Presented by: Colin Pritchard, MD, PhD ............................................. Page 12

Aug 5  A Rational Approach to Celiac Testing
Presented by: Carl Schroder, MT (ASCP) MPA .................................. Page 13

Aug 26  Lab Talk: Happy Lab Happy Life: Breakthrough Quality Improvement: Getting Your Lab Staff Ready!
This is a roundtable discussion moderated by Mike Astion, MD, PhD .................................. Page 14

Sept 16  A Rational Approach to Cardiogenetic Testing
Presented by: Kathryn Chatfield, MD .................................................. Page 15

Oct 7  Lab Talk: The Future of Next Generation Sequencing: PART 2
This is a roundtable discussion moderated by Mike Astion, MD, PhD .................................. Page 16

Nov 11  Evaluating the Medical Necessity of Genetic Testing
Presented by: Melissa Bennet .............................................................. Page 17

Dec 2  Trends in Flow Cytometry
Presented by: Sindhu Cherian, MD ..................................................... Page 18
Waste Not Want Not: Tips and Tricks for Reducing Waste in the Clinical Lab

Date: 1/7/2014  
Time: 11:00 AM PST  
Price: $195

Description of Program Content:  
Dr. Rutledge will provide an introduction to identify and remove the waste around you (we are not talking trash here), so you can begin to simplify your systems, make fewer errors, and gain efficiencies.

Measurable Learning Objectives  
At the end of this activity the participant will be able to:  

1. Identify several key areas of waste in your lab  
2. Develop and implement a process to remove the waste  
3. Improve on efficiencies by simplifying processes in order to reduce errors in the lab

Presenter:  
Joe Rutledge, MD, Anatomic Pathologist, Seattle Children’s Hospital, Clinical Professor University of Washington Department of Medicine

BIO  
Joe Rutledge, MD is one of the nation’s top experts in LEAN management principles and strategies for hospitals and inpatient and reference laboratories. Dr. Rutledge’s work at Seattle Children’s Hospital in continuous process improvement (CPI) has been recognized by clinicians and physicians alike as a unique approach to improving patient care as well as reducing wastes and costs throughout the institution. He has consulted with a variety of federal and state agencies regarding CPI processes and well as with hospitals internationally to assist them increasing patient care management standards in laboratory medicine.

Click Here to Register: https://regonline.com/schwebinar1714
Career Essentials: 10 Ways for Chemists, Techs, and Other Laboratory Professionals to Increase Their Value!

Date: 1/21/2014  
Time: 11:00 AM PST  
Price: $195

Description of Program Content:  
In this era of changing healthcare, decreasing budgets, and consolidations, healthcare professionals need to continue to increase the value they bring to the workplace. This webinar will provide ways for chemists, techs, and other laboratory workers to evaluate themselves and set goals. It will also discuss ways in which laboratorians can expand their expertise and increase their visibility within the workplace. Examples of methods used by others in the field will be given.

Measurable Learning Objectives  
At the end of this activity the participant will be able to:

1. Describe ways to evaluate yourself and set goals  
2. Discuss ideas for increasing your visibility & value in the workplace  
3. List examples of ways others in the field have increased their visibility

Presenter:  
Ann M. Gronowski, Ph.D.  
Professor Pathology & Immunology and Obstetrics & Gynecology  
Washington University School of Medicine  
Associate Medical Director Chemistry Laboratory Barnes Jewish Hospital, St Louis, MO

BIO  
Dr. Gronowski is a Professor at Washington University School of Medicine, in the Departments of Pathology & Immunology and Obstetrics & Gynecology. She is Associate Medical Director of the Clinical Chemistry, laboratory at Barnes-Jewish Hospital. Dr. Gronowski received her Ph.D. in Endocrinology- Reproductive Physiology from University of Wisconsin, and is a diplomat of the American Board of Clinical Chemistry.

Click Here to Register: https://www.regonline.com/schwebinar12114
Rational Utilization of Clinical Laboratory Testing

Date: 2/4/2014  
Time: 11:00 AM PST  
Price $195

Description of Program Content:  
Clinical laboratory test overutilization and underutilization are significant problems in all healthcare systems. The goal of a rationally designed test utilization management program is to get appropriate tests to the patients who need them. This webinar will describe the utilization management toolbox, a collection of interventions that can be used, in both inpatient and outpatient settings, to curb overutilization and target testing to the appropriate populations.

Measurable Learning Objectives  
At the end of this activity the participant will be able to:

1) Describe 3 reasons why clinical laboratory tests are overutilized  
2) Describe 3 adverse outcomes of test overutilization  
3) Describe and implement 3 strong utilization management interventions

Presenter:  
Geoffrey Baird, MD, PhD  
Director, Clinical Chemistry, Harborview Medical Center  
Assistant Professor, Department of Laboratory Medicine  
Adjunct Assistant Professor, Department of Pathology  
University of Washington, Seattle

BIO  
Dr. Baird is an assistant professor of laboratory medicine at the University of Washington in Seattle. He trained in anatomic and clinical pathology in the University of Washington's pathology residency program. His research interests include tissue proteomics and proteomic methods development, and his clinical interests include laboratory test utilization management.

Click Here to Register: https://www.regonline.com/schwebinar2413
Lab Talk: Happy Lab Happy Life! How to Have a Difficult but Necessary Conversation with Your Lab Staff

Date: 2/18/2014  
Time: 11:00 AM PST  
Price: $195

Description of Program Content:

Measurable Learning Objectives
At the end of this activity the participant will be able to:

1. When should you have group meetings to discuss the issues in the lab
2. When meetings occur with individual lab staff members, how should you approach that individual
3. Where is the best place to have group meetings and the best venue for individual talks

Presenter:
Mike Astion, MD, PhD, Medical Director, Department of Laboratories Seattle Children’s Hospital, Clinical Professor University of Washington Laboratory Medicine

Jim Hernandez, MD, MS, Associate Professor of Laboratory Medicine and Pathology, Mayo Clinic College of Medicine, Medical Director of Laboratories Chair, Division of Laboratory Medicine

Carmen Wiley PhD, Scientific Director PAML, LLC

Click Here to Register: https://www.regonline.com/schwebinar21814
Laboratory Testing for Genetic Seizure Disorder, a Practical Approach

Date: 3/4/2014
Time: 11:00 AM PST
Price: $195

Description of Program Content:
Pediatric seizure disorders are genetically heterogeneous conditions, often characterized by multiple seizures types that are refractory to treatment. There is significant clinical overlap among the various disorders especially at initial presentation. Testing strategies for genetic diagnosis including chromosome microarray, single gene testing, gene panels and exome sequencing will be presented.

Measurable Learning Objectives
At the end of this activity the participant will be able to:

Presenter:
Heather Mefford, MD, PhD, Assistant Professor, Pediatrics Division of Genetic Medicine University of Washington

Click Here to Register: [https://www.regonline.com/schwebinar3414](https://www.regonline.com/schwebinar3414)
What are Insurance Companies Doing to Help us Control Unnecessary Laboratory Outpatient Testing

Date: 3/18/2014
Time: 11:00 AM PST
Price: $195

Description of Program Content:
This presentation will discuss the payers view of laboratory testing and the value for the plan and its members. Topics will include laboratory provider segmentation, unit cost and utilization analyses, and tactics that healthcare payers employ to manage laboratory expense

Measurable Learning Objectives
At the end of this activity the participant will be able to:

Presenter:
Bartley Bryt, MD, MPH, Executive Vice President of Product Development at Care Core National

Click Here to Register: https://www.regonline.com/schwebinar31814
Why do Lean Implementations Usually Fail and How to Overcome the Odds

Date: 4/8/2014
Time: 11:00 AM PST
Price: $195

Description of Program Content:
Ms. Nesberg will share her secrets to consecutive lean and quality implementations. Driven by national healthcare reform, creating lean labs and higher quality standards are more important today ... than ever before. Essential people management skills that help achieve lean successes will be presented.

Measurable Learning Objectives
At the end of this activity the participant will be able to:

1. Better Understand Human Nature’s view to Change Management
2. Develop Tips and Tricks to help Identify Human Nature
3. Implement the Secret Sauce for Change Management Success

Presenter:
Linda Nesberg, Operations Manager at Mayo Medical Laboratories

Click Here to Register: https://www.regonline.com/schwebinar4814
Addressing the Analytical, Therapeutic, and Legal Implications of Neonate Drug Testing

Date: 4/29/2014  
Time: 11:00 AM PST  
Cost: $195.00

Description of Program Content:  
Dr. Cotten will present toxicology testing in newborns as an often overlooked area of drug screening. Recognizing population-specific challenges related to sample type, analytes and medico-legal implications of the results allows laboratories to work effectively with healthcare providers. He will show how to balance institution resources, tailor test offering to maximize drug screen utility, and how to avoid common pitfalls

Measurable Learning Objectives  
At the end of this activity the participant will be able to:  

1. Why is neonate toxicology testing often overlooked in newborns?  
2. What are the common pitfalls regarding neonate drug testing?  
3. What are the type of hospital resources that need to be balanced when offering neonate testing?

Presenter:  
Steven W. Cotten, PhD, Assistant Professor Pathology and Laboratory Medicine at Ohio State University, Assistant Director of Toxicology and Special Functions at Ohio State Medical Center

Click Here to Register: https://www.regonline.com/schwebinar42914
Lab Talk: Demonstrating “Value” in Genetic Testing

Date: 5/13/2014  
Time: 11:00 AM PST  
Cost: $195.00

Description of Program Content:
This LabTalk presentation will help you to identify the stakeholders, including providers, payers, patients/families, laboratories, and other institutions as well as explore the definitions of “value” from the perspective of each stakeholder. You will understand the areas of overlap and of key differences in genetic testing. This LabTalk is sponsored by Clarita Genomics

Measurable Learning Objectives
At the end of this activity the participant will be able to:

1. Name three key differences in genetic testing
2. What is the value of genetic testing to the patient and family
3. What is definition of value to the payer?

This roundtable discussion of industry experts includes:

Mike Astion, MD, PhD, Medical Director, Department of Laboratories Seattle Children’s Hospital

Jessie Conta, Genetic Counselor, Seattle Children’s Hospital, Department of Laboratories

Click Here to Register: https://www.regonline.com/schwebinar51314
Next Generation Sequencing Cancer Panels in Clinical Practice

Date: 6/10/2014  
Time: 11:00 AM PST  
Cost: $195.00

Description of Program Content:
Next-generation DNA sequencing methods allow simultaneous assessment of mutations in many genes at once. This technology is especially promising for cancer diagnostics, both for germline sequencing for hereditary cancer risk, and for tumor-based sequencing for precision cancer therapy. Since 2011, the University of Washington Department of Laboratory Medicine has offered clinical assays for cancer diagnostics using next-generation sequencing technology. This presentation will review considerations related to clinical implementation of next-generation sequencing, and will cover cancer gene panels currently in clinical use for cancer patients and their families at Seattle Children’s, UW, and SCCA.

Measurable Learning Objectives
At the end of this activity the participant will be able to:

1. Define “next-generation sequencing” and contrast this technology with traditional DNA sequencing approaches.
2. Understand strengths and limitations of next-generation sequencing technology applied to clinical cancer genetics.
3. List 3 types of genomic variation, and describe approaches to detect each type of variant using next-generation sequencing data.

Presenter:
Colin Pritchard, MD, PhD  
Assistant Professor of Laboratory Medicine, Associate Director of the genetics and solid tumors laboratory at the University of Washington Medical Center.

BIO
Dr. Pritchard completed his medical training at the University of Washington School of Medicine. The Pritchard laboratory focuses on oncology molecular diagnostics, particularly the source and utility of miRNA biomarkers in blood, and the development of innovative molecular diagnostics for the identification of mutations that can guide therapeutic decision-making. His clinical work focuses on applications of next-generation sequencing gene panels for cancer risk assessment and precision treatment.

Click Here to Register: https://www.regonline.com/schwebinar61014
A Rational Approach to Celiac Testing

Date: 8/5/2014
Time: 11:00 AM PST
Price: $195

Description of Program Content:
This seminar discusses the basics of immunology (antibodies, antigens and testing techniques) and the use of serologic assays to aid the MD in the diagnosis of celiac disease and gluten enteropathies. Laboratory and clinical findings are presented. The laboratorian will understand the disease and diagnostic process. Also included is a discussion of the various techniques used in identification of antibody patterns seen in celiac disease. The discussion includes past, present and new assays

Measurable Learning Objectives
At the end of this activity the participant will be able to:

Presenter:
Carl Schroder, MT (ASCP) MPA, IFA Technical Sales Manager for Inova Diagnostics

Click Here to Register:  https://www.regonline.com/schwebinar8514
Lab Talk: Happy Lab Happy Life: Breakthrough Quality Improvement: Getting Your Lab Staff Ready!

Date: 8/26/2014
Time: 11:00 AM PST
Price: $195

Description of Program Content:

Measurable Learning Objectives

At the end of this activity the participant will be able to:

1. What is quality improvement mean for the clinical laboratory?
2. Why won’t some staff want to improve the quality in the lab
3. Who should educate the lab staff on quality improvements?

This roundtable discussion of industry experts includes:

Mike Astion, MD, PhD, Medical Director, Department of Laboratories Seattle Children’s Hospital

Nicole Napolitan, Manager of Laboratory Operations, Claritas Genomics (tentative)
Marcelo Colantes, Director, University of Washington Reference Lab (tentative).

This LabTalk is sponsored by Clarita Genomics

Click Here to Register: https://www.regonline.com/schwebinar82614
A Rational Approach to Cardiogenetic Testing

Date: 9/16/2014
Time: 11:00 AM PST
Cost: $195.00

Description:
Dr. Chatfield will be speaking about approaches to cardiogenetic testing. Three groups of inherited disorders that primarily affect the cardiovascular system will be discussed: cardiomyopathy, connective tissue disorders, and familial cardiac malformation syndromes. Discussion will be focused on the value of genetic testing to the cardiologists, strategies for testing, and impact of testing on clinical management using case examples.

Measurable Learning Objectives
At the end of this activity the participant will be able to:

1. What are three major groups of inherited disorders that cause cardiovascular disease?
2. Please indicate what the value of genetic testing is for patients and families with inherited cardiovascular disorders.
3. What is the impact of testing on clinical management for patients with familial cardiovascular disease?

Presenter:
Kathryn Chatfield, MD, Instructor of Pediatrics, Cardiology, University of Colorado School of Medicine, Director of Cardiac Genetics Clinic

Click Here to Register: https://www.regonline.com/schwebinar91614
Lab Talk: “Single Genes, Panels, Exomes, Oh My!”

Date: 10/7/2014  
Time: 11:00 AM PST  
Price: $195

Description of Program Content:
This LabTalk panel of experts will describe the different technical platforms used for gene sequencing such as Sanger, multi-gene Sanger panel, multi-gene NGS panel, exome, and genome. They will define key metrics used to evaluate sequencing platforms including coverage, false positives/negatives, and costs. Consideration will be given to which assay to choose for a patient by using case examples. This LabTalk is sponsored by Clarita Genomics.

Measurable Learning Objectives
At the end of this activity the participant will be able to:

1. Name 3 technical platforms used for gene sequencing
2. Name 3 of the key metrics used to evaluate sequencing platforms
3. When is multi-gene Sanger ordered?

This roundtable discussion of industry experts includes:

Mike Astion, MD, PhD, Medical Director, Department of Laboratories Seattle Children’s Hospital

Julie A. Rousseau, Director, Clinical Client Services, Claritas Genomics (tentative);

James Bennett, MD PhD, Seattle Children’s Hospital

Click Here to Register: https://www.regonline.com/schwebinar10714
Evaluating the Medical Necessity of Genetic Testing

Date: 11/11/2014
Time: 11:00 AM PST
Price: $195

Description of Program Content:
Ms. Bennett will review the current genetic testing utilization landscape and discuss factors leading to trends in unnecessary genetic testing. She will describe how insurance companies and third party payers can implement systems to reduce unnecessary genetics testing.

Measurable Learning Objectives
At the end of this activity the participant will be able to:

Presenter:
Melissa Bennet, MS, Clinical Director, Lab Management Program CareCore National LLC

Click Here to Register: https://www.regonline.com/schwebinar111114
Trends in Flow Cytometry

Date: 12/2/2014
Time: 11:00 AM PST
Price: $195

Description of Program Content:
Dr. Cherian will discuss current applications in flow cytometry with an emphasis on pattern recognition approach. Topics covered will include minimal residual disease testing and flow cytometric evaluation of myeloid neoplasms.

Measurable Learning Objectives
At the end of this activity the participant will be able to:

Presenter:
Sindhu Cherian, MD, Assistant Professor, Laboratory Medicine, Associate Director of the Hematopathology Laboratory University of Washington

Click Here to Register: https://www.regonline.com/schwebinar12214