



ALBERTA SOCIETY OF CLINICAL CHEMISTS



ASCC Annual Conference
16 October, 2020

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Meeting ID: 992 0465 8554

Passcode: 871414

Reference Intervals in Alberta and Beyond: Crossing Borders on Harmonization

16 October, 2020, All Times Mountain Standard Time

12:45 – 12:50	Welcome
12:50 – 13:00	Presentation of the 2020 ASCC Outstanding Contribution to Clinical Chemistry Award to Dr. Connie Prosser
13:00 – 13:30	Dr. Christopher Naugler, M.D. FRCPC (Professor, Department of Pathology and Laboratory Medicine and Associate Dean, Undergraduate Medical Education, Cumming School of Medicine, University of Calgary) “New approaches to assessing laboratory utilization” At the conclusion of this session, participants will be able to: <ol style="list-style-type: none">1) Explain how the mean abnormal result rate may be implemented to assess appropriateness of laboratory test ordering.2) Understand how geospatial modelling can be used to assess appropriateness of laboratory test ordering.3) Apply calculations of inter-physician variation to identify potential targets for utilization management
13:30 – 14:00	Dr. Jessica Gifford, Ph.D. FCACB (Clinical Biochemist, Alberta Precision Laboratories; Clinical Assistant Professor, Department of Pathology and Laboratory Medicine, Cumming School of Medicine, University of Calgary) “Harmonizing Reference Intervals in Alberta, the Goldilocks Province” At the conclusion of this session, participants will be able to: <ol style="list-style-type: none">1) Cover the history of Reference Interval Harmonization in Alberta2) Present Alberta’s strategy and approach to Reference Interval Harmonization3) Compare and contrast the Alberta approach both nationally and internationally4) Provide suggested future directions for Harmonization and Standardization in Alberta
14:00 – 14:15	Trainee Presentation: Dr. Cody Lewis, Ph.D., Clinical Biochemistry Fellow, Department of Pathology and Laboratory Medicine, Cumming School of Medicine, University of Calgary “SARS-CoV-2 serology testing in low prevalence areas” At the conclusion of this session, participants will be able to: <ol style="list-style-type: none">1) Describe the Antibody response to SARS-CoV-2

	<ol style="list-style-type: none"> 2) Understand Health Canada standards for SARS-CoV-2 serological assays 3) Identify problems with serological testing in low prevalence areas (Alberta)
14:15 – 14:30	<p>Trainee Presentation: Dr. Dustin Proctor, Ph.D., Clinical Biochemistry Fellow, Department of Pathology and Laboratory Medicine, Cumming School of Medicine, University of Calgary</p> <p>“An update on SARS-CoV-2 vaccine candidates”</p> <p>At the conclusion of this presentation, participants will be able to:</p> <ol style="list-style-type: none"> 1) Compare and contrast SARS-CoV-2 vaccine candidate technologies 2) Describe laboratory techniques used to evaluate vaccines 3) Interpret data from leading SARS-CoV-2 vaccine clinical trials 4) Discuss when a vaccine might be available and what key questions remain
14:30 – 14:45	Break
14:45 – 15:00	<p>Trainee Presentation: Dr. Ashley Newbigging, Ph.D., Clinical Biochemistry Fellow, Department of Laboratory Medicine and Pathology, University of Alberta</p> <p>“Development of an algorithm to detect intravenous fluid contamination of specimens using chemistry results”</p> <p>At the conclusion of this session, participants will be able to:</p> <ol style="list-style-type: none"> 1) List potential tests for which the results can be used to detect contamination and provide justification for their selection 2) Outline a process to develop pass/fail rules to alert for suspected contamination
15:00 – 15:15	<p>Trainee Presentation: Mary Kathryn Bohn, Ph.D. candidate, CALIPER Project, Department of Paediatric Laboratory Medicine, Hospital for Sick Children, Toronto, ON</p> <p>“Reference Interval Harmonization Across Canada: Pediatric and Adult Perspectives”</p> <p>At the conclusion of this presentation, participants will be able to:</p> <ol style="list-style-type: none"> 1) Discuss the importance of reference interval harmonization in pediatric and adult populations and the barriers to implementation 2) Provide an overview of the Canadian Laboratory Initiative on Pediatric Reference Intervals (CALIPER) as well as its recent activities and contribution to harmonization 3) Provide an overview of the recent activities of the CSCC Reference Interval Harmonization Working Group (hRI WG) 4) Discuss planned and future work of these initiatives towards reference interval harmonization in Canada
15:15 – 16:15	<p>Keynote Speaker: Dr. Graham Jones MBBS, BSc (med), DPhil, FRCPA, FAACB, Senior Staff Specialist in Chemical Pathology at SydPath, St Vincent’s Hospital, Sydney, Australia (2020 CSCC Travelling Lectureship sponsored by Bio-Rad)</p> <p>Common Reference Intervals – The Theory and The Practice</p>

	<p>“Reference intervals are a vital part of reporting numerical pathology results, however they are often given much less attention than the results that are compared with them. Indeed studies on reference intervals generally show a variation not related to any analytical differences between laboratories. The presentation will cover the nature of reference intervals and how reference intervals aimed at serving a region or country may differ from those used at a single institution and why this is a vital development. Such common reference intervals must be developed in an appropriate manner and consideration given to promoting widespread adoption.”</p>
16:15 – 16:20	Closing remarks

“This event is an Accredited Group Learning Activity as defined by the CSCC/CACB Professional Development Program”