Canadian Prenatal Genomic Microarray and Sequencing Symposium 2014

Working Towards a Consensus

October 2, 2014

Peter Gilgan Centre for Research and Learning
686 Bay Street, Toronto

Program

8:00 am
Breakfast (L2 Gallery PGCRL)

8:30 am
Welcome and Opening Remarks (L2 Auditorium PGCRL)
Jim Stavropoulos, PhD, FCCMG
Clinical Lab Director, Genetics
Hospital for Sick Children and University of Toronto

8:40 am
Observations on Clinical Genomics From the Sidelines
Steve Scherer, PhD
Director, McLaughlin Centre and The Centre for Applied Genomics
Hospital for Sick Children and University of Toronto

9:00 am
Prenatal Diagnosis in Ontario – Past, Present and Future
David Chitayat, MD, FABMG, FACMG, FCCMG, FRCPC
Head, The Prenatal Diagnosis and Medical Genetics Program
Department of Obstetrics and Gynecology
Mount Sinai Hospital and The Hospital for Sick Children
University of Toronto

9:40 am
Prenatal Array CGH in CHU Ste-Justine: 5 Years of Experience.
Frédérique Tihy, PhD, FCCMG
Cytogénéticienne, Service de génétique médicale
CHU Ste-Justine, Montréal

10:10 am
Coffee Break

10:30 am
Predicting the Challenges of Prenatal Microarray from the Postnatal Experience.
Abdul Noor, PhD
CCMG Cytogenetics Fellow, Hospital for Sick Children

10:50 am
Born in the USA: The American Approach to Prenatal Arrays.
Marsha Speevak, PhD, FCCMG, FACMG
Genetics Laboratory Director, Trillium Health Partners, CVH
University of Toronto

11:10 am
Challenges of Consent in the Changing Prenatal Genetic Landscape
Kerry W. Bowman, PhD
Clinical Ethicist, Mount Sinai Hospital

11:30 am
Prenatal Genetics Going Array.
Hana Sroka, MSC, CCGC, CGC
Department of Obstetrics and Gynecology, Mount Sinai Hospital

12:00 pm
Lunch (L2 Gallery PGCRL)

12:45 pm
Prenatal Array in the UK; Achieving a Consensus?
Bronwyn Kerr, MBBS, FRACP, FRCPCH, FRCP
Consultant Clinical Geneticist, Associate Medical Director,
Manchester Centre for Genomic Medicine

1:25 pm
Prenatal Microarray: the Belgian Consensus
Bettina Blaumeiser, MD, PhD
Gynaecologist/Clinical Geneticist
Centrum Medische Genetica UZA/UA

2:05 pm
Break-Out Session – Group Discussions and Consensus Building

3:35 pm
Coffee break

3:55 pm
Group Presentations (4 x 15 min each)

5:00 pm
Closing Remarks

5:10 pm
Wine and Cheese Reception (PGCRL 13th Floor Atrium)

Break-Out Session Topics

Group 1. Availability and Access to Testing

How do we ensure access to testing is medically appropriate and equitable in a public healthcare system?
How should screening and detection algorithms change as NIPT and microarray become available?
What is the role of G-banding?

Group 2. Counselling and Education

How do we overcome the challenges associated with education and consenting?
What are the key elements of the consenting process?
Should a signed consent be mandatory for invasive genomic testing?
Should parents have a choice for return of results?

Group 3. Genomic Technologies and Reporting of Results

Microarray resolution – same as for postnatal or lower resolution?
Under what circumstances do we report VOUS from prenatal arrays?
Considerations for susceptibility loci associated with neuropsychiatric disorders.
How do we deal with medically actionable incidental findings, carrier status, and X-linked mutations identified in a female fetus?

Group 4. Considerations for the future

How will advances in genomic diagnostics impact screening and invasive diagnostics in 3 to 5 years?

Organizing Committee

David Chitayat,
Hospital for Sick Children, Mount Sinai Hospital, University of Toronto

Elena Kolomietz,
Mount Sinai Hospital and University Of Toronto

Hin C. Lee,
University of Toronto McLaughlin Centre

Stephen Scherer,
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McLaughlin Centre
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