University of Toronto Department of Obstetrics and Gynaecology

Interhospital Rounds 2016

The Liquid Biopsy: A New Frontier in Diagnostics for Reproductive Medicine

Ontario Telemedicine Network (OTN) Live Video Feed Locations

Health Sciences North – Sudbury Outpatient Services
Norfolk General Hospital (Simcoe)
North York General Hospital
Rouge Valley Health System – Centenary
St. Joseph's Health Centre
Mount Sinai Hospital
St. Michael's Hospital
Sunnybrook Health Sciences Centre
Toronto East General Hospital
Trillium Health Partners – CVH
Trillium Health Partners – Mississauga
William Osler Health Sys – Brampton
William Osler Health Sys – Etobicoke
Scarborough Hospital - Birchmount

OTN Live Webcast **Watch Live:**

http://webcast.otn.ca/mywebcast?id=52695657. This is an open access/public event.

Live Q and A Session

Email questions during the event to: jkingdom@mtsinai.on.ca

Ways to participate

- Live audience
- Live OTN video feed
- Live webcast (individual/group)
- Recorded - view web archive http://webcast.otn.ca/index/browse/?page=1&type=1 (password required for **private** gallery; search for "Interhospital" in the **public** events section)

Event Code: 52695657

To join the IHRounds network of clinical sites or receive IHR event alerts from U of T Ob/Gyn contact, obgyn.communications@utoronto.ca.

Obstetrics & Gynaecology
UNIVERSITY OF TORONTO

Friday, February 12, 2016
7:45 A.M. - 8:45 A.M.
Mount Sinai Hospital, 18th Floor, Ben Sadowski Auditorium 18 -130.

CLIFFORD LIBRACH MD, FRCS(C), FACOG (REI)

Dr. Clifford Librach is the founder and Director of the CReATe Fertility Centre in Toronto. He is an Associate Professor in the Department of Obstetrics and Gynecology at the University of Toronto, and holds cross-appointments with the Department of Physiology and Institute of Medical Sciences. Some of his major research contributions include: identifying the role of HLA-G in pregnancy and preeclampsia, uncovering important factors indicative of embryo quality, improving andrology diagnostic testing, and isolation of a novel stem cell from umbilical cord perivascular tissue with potential for use in regenerative therapy. Ongoing research interests in reproductive medicine are targeted at increasing our understanding of male and female infertility and improving ART outcomes. He has published over 60 peer-reviewed original publications, 3 book chapters and over 180 conference abstracts.

EDUCATIONAL OBJECTIVES

- Learn about the extracellular vesicles (EVs), their potential function(s), and why they have generated so much excitement in human biology
- Gain an understanding of methods to isolate and characterize EVs in biologic fluids associated with human reproduction
- Present our studies on the cargo carried by EVs, and their potential use as biomarkers of in reproductive medicine;
- Discuss the potential for umbilical cord stem cell-derived EVs in regenerative therapeutics after gonadotoxic therapy and for other conditions.