

## Poster Day 1 – List of Posters

<b><u>THEME</u></b>	<b><u>DOHaD/fetal placental physiology/reproduction (48 papers)</u></b>
<b>PS1 - 028</b>	<b>Prenatal exposure to non-infectious inflammation leads to abnormal neurodevelopment</b> Marie-Eve Brien (Universite de Montreal-CHU Sainte-Justine Research Center); Ines Boufaied (CHU Sainte-Justine Research Center); Sylvie Girard (CHU Sainte-Justine Research Center)
<b>PS1 - 033</b>	<b>Enrichment and absolute quantification of cell-free placenta DNA in maternal blood.</b> Samantha L Wilson (University Health Network); Shu Yi Shen (Princess Margaret Cancer Centre); Tim Triche Jr. (Van Andel Institute); Daniel De Carvalho (Princess Margaret Cancer Centre); Michael Hoffman
<b>PS1 - 044</b>	<b>Seasonality and the Immune System during Pregnancy: Impact of Seasonal Affective Disorder</b> Cindy Xin Wen Zhang (University of Toronto); Robert Levitan (University of Toronto); Stephen Matthews (University of Toronto)
<b>PS1 - 046</b>	<b>Lower mitochondrial-derived peptide humanin in young adults born preterm vs. term and association with LV ejection fraction</b> Daniela Ravizzoni Dartora (CHU Sainte Justine Research Center); Adrien Flahault (CHU Sainte Justine Research Center); Carolina Nobre (CHU Sainte Justine Research Center); Gabriel Altit (Division of Neonatology, Montreal Children's Hospital); Alyson Deprez (CHU Sainte Justine Research Center); Ying He (CHU Sainte Justine Research Center); Anik Cloutier (CHU Sainte Justine Research Center); Camille Girard-Bock (CHU Sainte Justine Research Center); Jessica Simoneau (Division of Neonatology, Montreal Children's Hospital C); Anie Lapointe (Department of Pediatrics, CHU Sainte-Justine); Andreanne Villeneuve (Department of Pediatrics, CHU Sainte-Justine); Yan Burelle (4. Department of Cellular and Molecular Medicine, Faculty of Medicine, University of Ottawa); Michel White (Department of Pediatrics, CHU Sainte-Justine); Jean-Luc Bigras (Department of Pediatrics, CHU Sainte-Justine); Thuy Mai Luu (Sainte-Justine Hospital Research Centre, University of Montreal); Anne-Monique Nuyt (CHU Sainte-Justine)
<b>PS1 - 049</b>	<b>GCM1 and ASCL2 cooperate to regulate development and function of the extravillous trophoblast lineage in human trophoblast stem cells</b> Mariyan J Jeyarajah (Western University); Gargi Bhattad (Western University); Stephen Renaud (Western University)
<b>PS1 - 057</b>	<b>Maternal Doxycycline Treatment Induces Mouse Fetal Cardiac Dysfunction by Altering Placental Morphology and Endothelin-1</b> Yuliya Fakhr (University of Alberta); Denise G. Hemmings (University of Alberta); Kavin Ravichandran (University of Alberta); Luke Eckersley (University of Alberta ); Saba Saadat (University of Alberta ); Lisa K. Hornberger (University of Alberta )
<b>PS1 - 058</b>	<b>Novel mechanisms of disrupted placental development: lipid mediators and inflammatory signaling</b> Yuliya Fakhr (University of Alberta); Kirsten Wesbter (University of Alberta ); Denise G. Hemmings (University of Alberta)
<b>PS1 - 059</b>	<b>Exploring Mechanosensation: A Novel Regulator of Placental Dysfunction in Preeclampsia</b> Yuliya Fakhr (University of Alberta); Saloni Koshti (University of Alberta ); Denise G. Hemmings (University of Alberta); Yasaman Bahojb Habibyan (University of Alberta)
<b>PS1 - 063</b>	<b>In utero exposure to D9-tetrahydrocannabinol leads to rapid postnatal catch-up growth and hepatic dysmetabolism</b> Shelby L Oke (The University of Western Ontario); Daniel Hardy (Western University)
<b>PS1 - 065</b>	<b>Perinatal Iron Deficiency Alters Patterns of Cellular Senescence, Oxidative Stress, and Apoptosis in Offspring Kidneys in a Sex-Dependent Manner</b> Andrew G Woodman (University of Alberta); Richard L Mah (University of Alberta); Claudia Holody (University of Alberta); Ronan Noble (University of Alberta); Alyssa Wiedemeyer (University of Alberta); Jason Li (University of Alberta); Stephane L Bourque (University of Alberta)
<b>PS1 - 066</b>	<b>Perinatal Iron Deficiency Causes Sex Dependent Alterations in Renal Retinoic Acid Signaling and Development</b> Richard L Mah (University of Alberta); Andrew G Woodman (University of Alberta); Claudia Holody (University of Alberta); Ronan Noble (University of Alberta); Robin Clugston (University of Alberta); Stephane L Bourque (University of Alberta)
<b>PS1 - 068</b>	<b>Synthetic Glucocorticoids Modify the Sperm MicroRNA Profile: Implications for Intergenerational Transmission</b> Christopher Casciaro (University of Toronto); Stephen Matthews (University of Toronto); Alisa Kostaki (University of Toronto); Hirotaka Hamada (University of Toronto)

- PS1 - 071 Challenges of an artificial placenta in fetal Yucatan miniature pigs as a model of the preterm human fetus**  
Alex J Charest-Pekeski (University of Toronto)
- PS1 - 073 Gestational Diabetes Exposure Altered Cardiac Mitochondrial Protein Acetylation in the Mouse Offspring.**  
Mateusz M Tomczyk (University of Manitoba); Bo Xiang (University of Manitoba); John Wilkins (University of Manitoba); Vernon Dolinsky (University of Manitoba)
- PS1 - 076 Changes in Uterine Inflammatory Markers Following a Single Stress Exposure in a Transgenerational Lineage of Rats**  
Nayara Antunes Lopes (University of Alberta); Taylor Scheidl (University of Alberta); Xin Fang (University of Alberta); Erin Falkenberg (University of Lethbridge); Gerlinde Metz (University of Lethbridge); David Olson (University of Alberta)
- PS1 - 081 Single cell RNA sequencing identifies multiple ADAM proteases in the human placenta**  
Jasmin Wächter (British Columbia Children's Hospital Research Institute); Matthew Shannon (British Columbia Children's Hospital Research Institute); Barbara Castellana (British Columbia Children's Hospital Research Institute); Jennet Baltayeva (British Columbia Children's Hospital Research Institute); Jenna Treissman (British Columbia Children's Hospital Research Institute); Hoa Le (British Columbia Children's Hospital Research Institute); Ji Soo Yoon (British Columbia Children's Hospital Research Institute); Francis Lynn (UBC); Alex Beristain (UBC)
- PS1 - 084 Maternal Obesity, Excess Gestational Weight Gain and Gestational Diabetes do not Predict Fetal Subcutaneous Adipose Tissue Measurements by Water-Fat MRI**  
Stephanie A Giza (Western University); Tianna Koreman (Western University); Michael Miller (Western University); Simran Sethi (Western University); Genevieve Eastabrook (Western University); Debbie Penava (Western University); Charles McKenzie (Western University); Barbra de Vrijer (Western University)
- PS1 - 096 Mapping bacterial metabolism of fibre in the infant diet leads to unexpected diversity in bacterial genes.**  
Jennifer Stearns (McMaster University)
- PS1 - 099 Mechanisms of Cardiac Dysfunction of Adult Male and Female Offspring Exposed to Prenatal Hypoxia: Role of Endothelin-1 Signaling**  
Nataliia Hula (University of Alberta); Jennie Vu (University of Alberta); Anita Quon (University of Alberta); Raven Kirschenman (University of Alberta); Floor Spaans (University of Alberta); Ricky Liu (University of Alberta); Christy-Lynn Cooke (University of Alberta); Sandra Davidge (University of Alberta)
- PS1 - 105 Effects of prenatal maternal stress on resting-state functional connectivity of the amygdala and autistic-like traits in 18½--year-old adolescents: Project Ice storm**  
Xinyuan Li (McGill University)
- PS1 - 113 Placental Pathologies and Maternal Risk Factors as Predictors of Adverse Neonatal Outcomes in Pregnancies Complicated by Placental Abruption**  
Dorsa Mavedatnia (University of Ottawa); Jason Tran (University of Ottawa); Irina Oltean (Children's Hospital of Eastern Ontario); Vid Bijelic (Children's Hospital of Eastern Ontario); Felipe Moretti (The Ottawa Hospital); Sarah Lawrence (Children's Hospital of Eastern Ontario); Dina El Demellawy (Children's Hospital of Eastern Ontario)
- PS1 - 114 Placental Abruption in an Eastern Ontario population: The Impact of Placental Pathologies on Adverse Perinatal Outcomes**  
Dorsa Mavedatnia (University of Ottawa); Jason Tran (University of Ottawa); Irina Oltean (Children's Hospital of Eastern Ontario); Vid Bijelic (Children's Hospital of Eastern Ontario); Felipe Moretti (The Ottawa Hospital); Sarah Lawrence (Children's Hospital of Eastern Ontario); Dina El Demellawy (Children's Hospital of Eastern Ontario)
- PS1 - 125 Longitudinal study of fetal brain development in d-transposition of the great arteries with magnetic resonance imaging**  
Anurudhya Karthikeyan (University of Montreal); Marie-Josée Raboisson (CHU Sainte-Justine); Guillaume Gilbert (Philips Healthcare Canada); Mathieu Dehaes (CHU Sainte-Justine)
- PS1 - 126 Constitutively Active Brain Specific Atypical Protein Kinase C is Expressed in the Human Placenta**  
Sumaiyah Z Shaha (University of Alberta); Khushali Patel (University of Alberta); Meghan Riddell (University of Alberta)
- PS1 - 130 Leucine deprivation-induced hyperphosphorylation of insulin-like growth factor binding protein-1(IGFBP-1) is mediated by IRE1 $\alpha$  arm of Unfolded Protein Response pathway**  
Chloe Jang (Western University); Pinki Nandi (University of Western Ontario); Madhulika Gupta (Western University)
- PS1 - 132 Molecular mechanism regulating decidual Insulin-like Growth Factor Binding Protein-1 (IGFBP-1) secretion/phosphorylation in Intrauterine Growth Restriction (IUGR)**  
Pinki Nandi (University of Western Ontario); Chloe Jang (Western University); Madhulika Gupta (Western University)

- PS1 - 134 Differential DNA Methylation Signatures Following Antenatal Corticosteroids in Human Neonatal Blood**  
Bona Kim (University of Toronto)
- PS1 - 146 Segmentation of the fetal brain in functional magnetic resonance images**  
Emily S Nichols (Western University); Susana Correa (Western University); Megan Mueller (Western University); Rachel Thorburn (Western University); Estee Goldberg (Western University); Barbra de Vrijer (Western University); Charles McKenzie (Western University); Sandrine de Ribaupierre (Western University, Canada); Emma Duerden (Western University)
- PS1 - 150 The impact of maternal physical activity on circulating myokines throughout gestation: A systematic review**  
Alexandra D Goudreau (University of Ottawa); Catherine Everest (University of Ottawa); Taniya S Nagpal (University of Ottawa); Jessica Puranda (University of Ottawa); Shuhiba Mohammad (University of Ottawa); Jayonta Bhattacharjee (University of Ottawa); Kristi Adamo (University of Ottawa)
- PS1 - 151 Excess gestational weight gain alters maternal intestinal adaptations during lactation in C57BL/6J mice**  
Jessica Breznik (McMaster University); Tatiane Ribeiro (McMaster University); Brianna Kennelly (McMaster University); Katherine Kennedy (McMaster University); Dawn Bowdish (McMaster University); Deborah Sloboda (McMaster University)
- PS1 - 152 Placental Pathology in Term and Preterm Preeclampsia**  
Alexandre Fillion (Université Laval); Paul Guerby (CHU de Toulouse); Didier Menzies (CHRU de Nancy); Emmanuel Bujold (Université Laval)
- PS1 - 156 Fetal sex and first trimester placental biomarkers among low-risk nulliparous women with singletons**  
Foruzan Bahrami (Université Laval); Emmanuel Bujold (Université Laval); Sarah Maheux Lacroix (Université Laval); Cedric Gasse (Université Laval); Amelie Boutin (Université Laval)
- PS1 - 157 Understanding the Link Between Maternal Gestational Energy Status and Fetoplacental Markers of Cognitive Development**  
Carlene Cihosky (Western University); Karen Nygard (Biotron); Bryan Richardson (Western University); Timothy Regnault (Western University)
- PS1 - 159 Global and site-specific changes in histone acetylation during human placental trophoblast differentiation**  
Gargi Jaju (Western University); Gargi Bhattad (Western University); Mariyan J Jeyarajah (Western University); Stephen Renaud (Western University)
- PS1 - 167 Increased GDF15 in response to naphthenic acids exposure is mediated via prostaglandins in extravillous trophoblast cells.**  
Laiba Jamshed (McMaster University); Genevieve A. Perono (McMaster University); Usman Jamshed (McMaster University); Robert M. Gutgesell (McMaster University); Richard A. Frank (Water Science and Technology Directorate, Environment and Climate Change Canada); L. Mark Hewitt (Water Science and Technology Directorate, Environment and Climate Change Canada); Philippe J. Thomas (Wildlife and Landscape Science Directorate, Environment and Climate Change Canada); Alison C. Holloway (McMaster University)
- PS1 - 173 Elucidating the role of hypoxia signaling in placental trophoblast differentiation**  
Adam Jaremek (Western University); Gargi Bhattad (Western University); Mariyan J Jeyarajah (Western University); Stephen Renaud (Western University)
- PS1 - 184 Contribution of Cardiac Hemodynamic Variables to Exercise Response in Young Adults Born Very Preterm**  
Camille Girard-Bock (CHU Sainte Justine Research Center); Jacques Delfrate (Sainte-Justine Hospital Research Centre, University of Montreal); Daniel Curnier (University of Montreal); Delphine Périé (Polytechnique Montréal); Anik Cloutier (CHU Sainte Justine Research Center); Gabrielle Gascon (Sainte-Justine Hospital Research Centre, University of Montreal); Jennifer Landry (McGill University Health Centre); Benoît Mâsse (Sainte-Justine Hospital Research Centre, University of Montreal); Michael Stickland (University of Alberta); Thuy Mai Luu (Sainte-Justine Hospital Research Centre, University of Montreal); Anne-Monique Nuyt (CHU Sainte-Justine)
- PS1 - 185 Molecular mechanism by which mammalian target of rapamycin complex 1 (mTORC1) modulates insulin-like growth factor (IGF1) binding protein (IGFBP1) phosphorylation in hypoxia**  
Jenica Kakadia (University of Western Ontario); Madhulika Gupta (Western University)
- PS1 - 190 Co-occurring variants in polygenic diseases have unique and detectable network properties in simulated models.**  
Andreea Obersterescu (University of Toronto); Brian Cox (University of Toronto)

- PS1 - 193 Presentation of the Research Network on Perinatal Determinants of Child Health**  
Soraya Saidj (Sainte-Justine Hospital); Isabel Fortier (Research Institute of the McGill University Health Center); Isabelle Marc (Department of Pediatrics, Faculty of Medicine, Centre Hospitalier Universitaire de Québec-Université Laval, Québec, Canada); Gina Muckle (Department of Pediatrics, Faculty of Medicine, Université Laval Research Center); Frederic Dallaire (Centre de Recherche du Centre Hospitalier Universitaire de Sherbrooke); Jean-Paul Praud (Université de Sherbrooke); Daniel Dufort (Division of Experimental Medicine, McGill University Health Center); Emmanuel Bujold (Université Laval); Sylvana Côté (Université de Montréal (école de santé publique) and Research Center CHU Sainte-Justine); Anne-Monique Nuyt (CHU Sainte-Justine)
- PS1 - 196 Association between maternal mental health and placental serotonin and glucocorticoid systems is stronger in multiparous and older pregnancies**  
Morgane Robles (INRS Institut Armand Frappier (Laval)); Joey St-Pierre (INRS Institut Armand Frappier (Laval)); Gina Muckle (Centre de recherche du Centre Hospitalier Universitaire de Québec, Québec, Canada; École de psychologie, Université Laval, Québec, Canada); Sonia Lupien (Université de Montréal); Jean Séguin (Université de Montréal and Research Center CHU Sainte-Justine); William Fraser (Department of Obstetrics and Gynecology, Centre de recherche du Centre Hospitalier Universitaire de Sherbrooke, Sherbrooke, Canada); Sarah Lippé (University of Montreal); Catherine M. Herba (Université du Québec à Montreal and Research Center CHU Sainte-Justine); Cathy Vaillancourt (INRS Institut Armand Frappier (Laval))
- PS1 - 197 Fetal gut colonization: meconium does not have a detectable microbiota before birth**  
Katherine Kennedy (McMaster University); Deborah Sloboda (McMaster University); Michael Surette (McMaster University); Thorsten Braun (Charité – Universitätsmedizin Berlin); Max Gerlach (Charité – Universitätsmedizin Berlin); Thomas Adam (Charité Vivantes GmbH); Markus Heimesaat (Charité – Universitätsmedizin Berlin); Laura Rossi (McMaster University)
- PS1 - 200 BeWo trophoblast metabolic function in response to prolonged hyperglycemia**  
Zachary JW Easton (Western University)
- PS1 - 202 Maternal depression and SSRI treatments affect the methylation of placental serotonergic and glucocorticoid systems.**  
Linda Ok (INRS-Centre Armand-Frappier Santé Biotechnologie et Réseau intersectoriel de recherche en santé de l'Université du Québec); Laetitia Laurent (INRS-Centre Armand-Frappier Santé Biotechnologie et Réseau intersectoriel de recherche en santé de l'Université du Québec); Maria Peñaherrera (Department of Medical Genetics, University of British Columbia and BC Children's Hospital Research Institute); Ursula Brain (Department of Medical Genetics, University of British Columbia and BC Children's Hospital Research Institute); Wendy Robinson (Department of Medical Genetics, University of British Columbia and BC Children's Hospital Research Institute); Tim Oberlander (BC Children's Hospital Research Institute and Department of Pediatrics, University of British Columbia, and Children's and Women's Hospitals); Cathy Vaillancourt (INRS Institut Armand Frappier (Laval))
- PS1 - 205 Pyrroloquinoline quinone's (PQQ) effects on oxidative stress and mitochondrial function in developing myotubes in a placental insufficiency IUGR environment.**  
Allyson Wood (Western University); Lin Zhao (Western University); Timothy Regnault (Western University)
- PS1 - 206 Role of Decorin Induced Placental miRNAs in Trophoblast Function**  
Chidambra D Halari (Western University); Peeyush Lala (Western University); Pinki Nandi (University of Western Ontario)
- PS1 - 210 The Effect of Perinatal Iron Deficiency on Neonatal Cardiac Development**  
Jason Li (University of Alberta); Ronan Noble (University of Alberta); Claudia Holody (University of Alberta); Stephane L Bourque (University of Alberta)
- PS1 - 214 Trauma-Related Stress Disorders and Psychosocial Resources of Lethbridge Syrian Refugees in Canada**  
Tanzi D Hoover (University of Lethbridge); Andrea Singerland (University of Lethbridge); Nicole Hautala (University of Lethbridge); Nickolej Villiger (Lethbridge Family Services – Immigrant Services Department); Yesim Erim (Friedrich-Alexander-University of Erlangen-Nuremberg Medical School); Tony Montana (University of Lethbridge); David Olson (University of Alberta); Gerlinde Metz (University of Lethbridge)

<b>Theme</b>	<b>Maternal Fetal Medicine/Nursing/Midwifery (49 papers)</b>
<b>PS1 - 008</b>	<b>Maternal outcomes of women with cerebral palsy: an international observational study</b> Hayley Lipworth (Sunnybrook Research Institute); Susan O'Rinn (Sunnybrook Research Institute); Asia Van Buuren (Sunnybrook Research Institute); Anne Berndl (Sunnybrook Research Institute)
<b>PS1 - 009</b>	<b>Body changes during and after pregnancy in women with cerebral palsy: an international observational study</b> Hayley Lipworth (Sunnybrook Research Institute); Susan O'Rinn (Sunnybrook Research Institute); Asia Van Buuren (Sunnybrook Research Institute); Anne Berndl (Sunnybrook Research Institute)
<b>PS1 - 010</b>	<b>The relationship between pre-pregnancy weight loss and gestational weight gain: an exploratory primary care prospective cohort study</b> Helena Piccinini-Vallis (Dalhousie University); Christy Woolcott (Dalhousie University); Laura Miller (Dalhousie University); Erna Snelgrove-Clarke (Queen's University); Susan Cahill (IWK Health Centre)
<b>PS1 - 015</b>	<b>Lateral Placentation and Adverse Perinatal Outcomes</b> Ludmila B Porto (Sunnybrook Health Sciences Centre); Amir Aviram (Sunnybrook Health Sciences Centre); Rebecca Jackson (Sunnybrook Health Sciences Centre); Mara Carson (Sunnybrook Health Sciences Centre); Nir Melamed (Sunnybrook Health Sciences Centre); Jon Barrett (Sunnybrook Health Sciences Centre); Elad Mei Dan (Sunnybrook Health Sciences Centre)
<b>PS1 - 018</b>	<b>Preliminary evaluation on the feasibility of remote recruitment for Essential Coaching for Every Mother during COVID-19</b> Justine Dol (Dalhousie University); Gail Tomblin Murphy (Nova Scotia Health Authority); Douglas McMillan (IWK Health Centre); Megan Aston (Dalhousie University); Marsha Campbell-Yeo (Dalhousie University)
<b>PS1 - 019</b>	<b>Towards a Canadian Perinatal Mental Health Strategy: An Assessment of Gaps in Services during the COVID-19 Pandemic</b> Amanda L Hooykaas (Canadian Perinatal Mental Health Collaborative); Christine Ou (Canadian Perinatal Mental Health Collaborative); Jaime Charlebois (Canadian Perinatal Mental Health Collaborative); Patricia Tomasi (Canadian Perinatal Mental Health Collaborative); Liane Tomfohr-Madsen (Canadian Perinatal Mental Health Collaborative)
<b>PS1 - 023</b>	<b>A Brief Parenting Intervention and Mother-Child Immune Cell Gene Expression: ATTACHTM Randomized Control Trial</b> Harleen Sanghera (University of Calgary); Kharah Ross (University of Calgary and Athabasca University); Nicole Letourneau (University of Calgary); Martha Hart (University of Calgary); Lubna Anis (University of Calgary); Steve Cole (University of California)
<b>PS1 - 024</b>	<b>Integrated view of the maternal and placental contribution to preterm birth syndrome</b> Camille Couture (Universite de Montreal)
<b>PS1 - 026</b>	<b>Analysis of raltegravir plasma concentrations during pregnancy : impacts on the viral control of pregnant women living with HIV</b> Sabrina Carvalho (Université de Montréal); Isabelle Boucoiran (Université de Montréal); Nancy Sheehan (Université de Montréal); Marc Boucher (Université de Montréal); Silvie Valois (CHU Sainte-Justine); Ema Ferreira (Université de Montréal); Fatima kakkar (Université de Montréal)
<b>PS1 - 031</b>	<b>Risk of preeclampsia in pregnancies conceived by assisted reproductive technology: a systematic review and meta-analysis of cohort studies</b> Hui Ju Chih (Queen's University); Flavia Elias (Queen's University); Laura Gaudet (Queen's University); Maria Velez (Queen's University)
<b>PS1 - 032</b>	<b>Evaluation of Point of Care Ultrasound (POCUS) Training for Midwives</b> Bronte K Johnston (McMaster University); Liz Darling (McMaster Midwifery); Anne Malott (McMaster Midwifery); Carol Bernacci (Medical Radiation Sciences, Mohawk College); Laura Thomas (Medical Radiation Sciences, Mohawk College); Beth Murray-Davis (McMaster Midwifery)
<b>PS1 - 035</b>	<b>Maternal, fetal, and neonatal risks of fetal reduction among higher order pregnancies: A systematic review</b> Jemimah Raffe-Devine ( Cumming School of Medicine, University of Calgary); David Somers (Department of Obstetrics and Gynecology, University of Calgary); Amy Metcalfe (Department of Obstetrics and Gynecology, Medicine, and Community Health Sciences, University of Calgary); Zoe Cairncross (Department of Obstetrics and Gynecology, University of Calgary)
<b>PS1 - 036</b>	<b>The effect of peripartum synthetic oxytocin exposure on postpartum depression and anxiety: A systematic review</b> Rachel Livergant (University of Alberta); Omolara Sanni (University of Alberta); Sana Amjad (University of Alberta); Maria Ospina (University of Alberta)
<b>PS1 - 038</b>	<b>The ability of the Intergrowth-21st and WHO fetal growth charts to identify developmental challenges at kindergarten age</b> Ariadna D Fernandez (BC Women's Hospital + Health Centre); Jessica Liauw (BC Women's Hospital + Health Centre/ UBC); Chantal Mayer (BC Women's Hospital + Health Centre/UBC); Arianne Albert (Women's Health Research Institute/BC Women's Hospital + Health Centre/ UBC); Jennifer Hutcheon (Department of Obstetrics & Gynaecology/ UBC)

- PS1 - 062 Giving birth in the early phases of the COVID-19 pandemic: The patient perspective**  
Carlie Boisvert (Ottawa Hospital Research Institute); Kathryn Denize (OMNI Research Group, Clinical Epidemiology Program, Ottawa Hospital Research Institute, Ottawa, Canada); Robert Talarico (Ottawa Hospital Research Institute); Olivia Frank (Ottawa Hospital Research Institute); Alysha Harvey (Ottawa Hospital Research Institute); Ruth Rennicks White (OMNI Research Group, Clinical Epidemiology Program, Ottawa Hospital Research Institute, Ottawa, Canada); Deshayne Fell (Children's Hospital Eastern Ontario (CHEO)); Meagan A. O'Hare Gordon (Ottawa Hospital Research Institute); Yanfang Guo (BORN Ontario); Daniel Corsi (dcorsi@ohri.ca); Kari Sampsel (Ottawa Hospital Research Institute); Shi Wu Wen (OMIN, Ottawa Hospital Research Institute); Mark Walker (University of Ottawa); Darine El-Chaâr (The Ottawa Hospital); Katherine A Muldoon (Ottawa Hospital Research Institute)
- PS1 - 070 Outcomes of monochorionic twin pregnancies complicated by Type-III selective fetal growth restriction**  
Shiri Shinar (Mount Sinai Hospital); Wei Xing (Fetal Medicine unit & Prenatal Diagnosis Center, Shanghai 1st Maternity and Infant Hospital of Tongji University, Shanghai, China); Vagisha Pruthi (Mount Sinai Hospital); Jianping Chen (Fetal Medicine unit & Prenatal Diagnosis Center, Shanghai 1st Maternity and Infant Hospital of Tongji University, Shanghai, China); Femke Slughekke (Department of Gynecology, Leiden University Medical center, Leiden, Netherlands); Sophie Groene (Department of Gynecology, Leiden University Medical center, Leiden, Netherlands); Enrico Lopriore (Department of Pediatrics, Leiden University Medical center, Leiden, Netherlands); Liesbeth Lewi (Department of Obstetrics and Gynecology, Obstetrics, University Hospitals Leuven, Leuven, Belgium); Isabel Couck (Department of Obstetrics and Gynecology, Obstetrics, University Hospitals Leuven, Leuven, Belgium); Yoav Yinon (Department of Obstetrics and Gynecology, Chaim Sheba Medical Center, Tel Hashomer, Tel Aviv University, Tel Aviv, Israel); Linoi Batsry (Department of Obstetrics and Gynecology, Chaim Sheba Medical Center, Tel Hashomer, Tel Aviv University, Tel Aviv, Israel); Raio Luigi (Department of Obstetrics and Gynecology, Inselspital, University of Bern, Bern, Switzerland); Sofia Amylidi-Mohr (Department of Obstetrics and Gynecology, Inselspital, University of Bern, Bern, Switzerland); David Baud (Department Woman-Mother-Child, Lausanne University Hospital, Lausanne, Switzerland); F Kneuss (Department Woman-Mother-Child, Lausanne University Hospital, Lausanne, Switzerland); Philip dekoninck (Department of Obstetrics and Gynaecology, Erasmus MC University Medical Center, Rotterdam, The Netherlands); Joske Moscou (Department of Obstetrics and Gynaecology, Erasmus MC University Medical Center, Rotterdam, The Netherlands); Jon Barrett (Sunnybrook Health Sciences Centre); Nir Melamed (Sunnybrook Health Sciences Centre); Greg Ryan (Ontario Fetal Centre, Division of Maternal Fetal Medicine, Department of Obstetrics and Gynaecology, Mount Sinai Hospital, University of Toronto, Toronto, ON, Canada.); Luming Sun (Fetal Medicine unit & Prenatal Diagnosis Center, Shanghai 1st Maternity and Infant Hospital of Tongji University, Shanghai, China); Tim Van Mieghem (Ontario Fetal Centre, Division of Maternal Fetal Medicine, Department of Obstetrics and Gynaecology, Mount Sinai Hospital, University of Toronto, Toronto, ON, Canada)
- PS1 - 072 First Nations women's perinatal care experiences in Northern Manitoba: A mixed methods study**  
Emily Brownell (University of Manitoba); Nathan Nickel (University of Manitoba); Patricia Gregory (Red River College); Jonathan McGavock (Children's Hospital Research Institute of Manitoba); Nancy Vystrcil (University of Manitoba)
- PS1 - 074 EXPLORING THE EXPERIENCES OF HOMELESSNESS AND FOOD INSECURITY DURING THE COVID-19 PANDEMIC AMONG PREGNANT AND POSTPARTUM WOMEN IN TORONTO**  
Barbara Chyzy (Ryerson University)
- PS1 - 075 Promoting mental health in high-risk pregnancy inpatient units: The Ombrelles Program**  
Julie Béland (CHU Sainte-Justine); Caroline Gauthier (Université de Montréal); Hayli Martinez (CHU Sainte-Justine); Marie Vicuna (CHU Sainte-Justine); Annie Janvier (CHU Sainte-Justine and Université de Montréal); Catherine M. Herba (Université du Québec à Montreal and Research Center CHU Sainte-Justine); Sylvana Côté (Université de Montréal (école de santé publique) and Research Center CHU Sainte-Justine); Lucie Morin (CHU Sainte-Justine and Université de Montréal ); Martin St-André (CHU Sainte-Justine and Université de Montréal ); Isabelle Boucoiran (Université de Montréal)
- PS1 - 082 Fear of Coronavirus Among Pregnant Canadian Women**  
Laura P Rojas (University of Calgary); Stuti Patel (University of Calgary); Liane Tomfohr-Madsen (Canadian Perinatal Mental Health Collaborative); Catherine Lebel (University of Calgary); Gerald Giesbrecht (University of Calgary)
- PS1 - 083 Advanced maternal age impairs uterine artery adaptations to pregnancy**  
Amy L Wooldridge (University of Alberta); Mazhar Pasha (University of Alberta); Raven Kirschenman (University of Alberta); Floor Spaans (University of Alberta); Sandra Davidge (University of Alberta); Christy-Lynn Cooke (University of Alberta)
- PS1 - 085 Impaired endothelium-dependent vascular function in female mice with a history of a pregnancy complicated by dyslipidemia**  
Tamara Sáez (University of Alberta); Abbey Pagee (University of Alberta); Raven Kirschenman (University of Alberta); Floor Spaans (University of Alberta); Sandra Davidge (University of Alberta)

- PS1 - 091 Evaluation of the Maternal Health Clinic: An Analysis of Interpregnancy and Subsequent Pregnancy Outcomes**  
Sydney Flatt (Queen's University); Jessica Pudwell (Queen's University); Graeme Smith (Queen's University)
- PS1 - 097 COVID-related concerns and mental health symptoms among women hospitalised for a high-risk pregnancy**  
Catherine M. Herba (Université du Québec à Montreal and Research Center CHU Sainte-Justine); Linda Booij (Concordia University and Research Center CHU Sainte-Justine); Julie Béland (CHU Sainte-Justine); Isabelle Boucoiran (Université de Montréal)
- PS1 - 101 Maternal aging impacts vascular adaptations to pregnancy**  
Mazhar Pasha (University of Alberta); Raven Kirschenman (University of Alberta); Amy L Wooldridge (University of Alberta); Floor Spaans (University of Alberta); Sandra Davidge (University of Alberta); Christy-Lynn Cooke (University of Alberta)
- PS1 - 102 Women's perceptions, beliefs, and decision-making process of consuming cannabis during pregnancy and lactation. What health professionals need to know.**  
Sarah J Weisbeck (University of Calgary); Katie Chaput (University of Calgary); Carla Ginn (University of Calgary); Karen Benzies (University of Calgary); Deborah McNeil (Alberta Health Services)
- PS1 - 103 Reinforcing cerclage following initial cerclage failure: A retrospective cohort study**  
Lauren Clarfield (Faculty of Medicine, University of Toronto, Toronto, Canada); Rebecca Cherniak (Department of Obstetrics and Gynaecology, University of Toronto, Toronto, Canada); Justin Shapiro (Faculty of Medicine, University of Toronto, Toronto, Canada); Marie Czikk (Division of Maternal-Fetal Medicine, Department of Obstetrics & Gynaecology, Mount Sinai Hospital, University of Toronto, Toronto, Canada); Wendy Whittle (Division of Maternal-Fetal Medicine, Department of Obstetrics & Gynaecology, Mount Sinai Hospital, University of Toronto, Toronto, Canada); Rebecca Menzies (Division of Maternal-Fetal Medicine, Department, Mount Sinai Hospital, Univ of Toronto; Department of Obstetrics and Gynaecology, Trillium Health Partners, Mississauga, ON)
- PS1 - 104 Asking about Childhood Adversity in the Prenatal Care Setting and Maternal-Child Health Outcomes**  
Hannah J Byles (University of Calgary); Whitney Ereyiosas (University of Calgary); Teresa Killam (Riley Park Maternity Clinic); Nicole Racine (University of Calgary); Sheri Madigan (University of Calgary)
- PS1 - 109 Syncytiotrophoblast-derived extracellular vesicles from normal and preeclamptic pregnancies have different impacts on nitrate stress in human umbilical vein endothelial cells**  
Roberto E Villalobos (University of Alberta); Floor Spaans (University of Alberta); Tamara Sáez (University of Alberta); Anita Quon (University of Alberta); Christy-Lynn Cooke (University of Alberta); Sandra Davidge (University of Alberta)
- PS1 - 110 Prenatal care disruptions and associations with maternal mental health during the COVID19 Pandemic**  
Mercedes Bagshawe (University of Calgary); Taylor Groulx (University of Calgary); Gerald Giesbrecht (University of Calgary); Catherine Lebel (University of Calgary); Liane Tomfohr-Madsen (Canadian Perinatal Mental Health Collaborative)
- PS1 - 111 The M.I.L.K Survey Study: Evaluation of a Breast Milk Hand Expression Toolkit**  
Kameela MC Alibhai (Faculty of Medicine, University of Ottawa, Ottawa, Canada); Malia Murphy (OMNI Research Group, Clinical Epidemiology Program, Ottawa Hospital Research Institute, Ottawa, Canada); Sandra Dunn (OMNI Research Group, Clinical Epidemiology Program, Ottawa Hospital Research Institute, Ottawa, Canada); Erin Keely (Division of Endocrinology and Metabolism, The Ottawa Hospital, Ottawa, Canada); Paloma O'Meara (Division of General Internal Medicine, The Ottawa Hospital, Ottawa, Canada); Josedalyne Anderson (Division of Maternal and Newborn Care, The Ottawa Hospital, Ottawa, Canada); Darine El-Chaâr (The Ottawa Hospital)
- PS1 - 116 Virtual prenatal care during a pandemic- How satisfying is it to the caregivers and the patients?**  
Momina Zulfeen (Kasturba Medical College); Nirmala Chandrasekaran (University of Toronto)
- PS1 - 122 Maternal Blood Biomarkers Associated with Spontaneous Preterm Birth in Asymptomatic Women**  
Kylie K Hornaday (University of Calgary); Nikki Stephenson (University of Calgary); Suzanne Tough (University of Calgary); David Anderson (University of Calgary); Donna Slater (University of Calgary)
- PS1 - 123 Systematic Review of Maternal Blood Biomarkers Associated with Spontaneous Preterm Birth in Asymptomatic Women**  
Kylie K Hornaday (University of Calgary); Eilidh Wood (University of Calgary); David Anderson (University of Calgary); Donna Slater (University of Calgary)
- PS1 - 124 Outcome in the Second Pregnancy After a Loop Electrosurgical Excision Procedure: A Retrospective Observational Study**  
Hafsah Husain (Dalhousie University); Jillian Coolen (Dalhousie University); John Fahey (Reproductive Care Program of Nova Scotia); James Bentley (Dalhousie University); Christy Woolcott (Dalhousie University)

- PS1 - 128 Critical Care in the Obstetrical Population: A seven-year, single-centre review on demographics and outcomes.**  
Rebecca Manion (University of Ottawa); Shannon Fernando (University of Ottawa); Darine El-Chaâr (The Ottawa Hospital); Kwadwo Kyeremanteng (University of Ottawa); Faraz Ahmad (University of Ottawa); Gabriella O'Brien (University of Ottawa)
- PS1 - 131 Inhibitory effect of amniotic fluid on the protein C anticoagulation system in the pregnant female, measured by activated protein C sensitivity ratio**  
Divyanu Jain (University of Alberta Faculty of Medicine and Dentistry); Tomoaki Oda (Hamamatsu University School of Medicine); Naoaki Tamura (Hamamatsu University School of Medicine); David Olson (University of Alberta); Naohiro Kanayama (Hamamatsu University School of Medicine); Hiroaki Itoh (Hamamatsu University School of Medicine)
- PS1 - 136 Optimizing antenatal corticosteroid administration for women at risk of preterm birth: a quality improvement project**  
Kristen I Simone (University of Alberta); Khalid Aziz (University of Alberta); Megan Gleddie (Lois Hole Hospital for Women); Priscilla Frenette (University of Alberta); Heather Robinson (University of Alberta); Sujata Chandra (University of Alberta)
- PS1 - 137 A Retrospective Cohort Study of Emergency Department Visits during the Postpartum Period in Alberta**  
Brittany A Matenchuk (University of Alberta); Rhonda Rosychuk (University of Alberta); Brian Rowe (University of Alberta); Amy Metcalfe (Department of Obstetrics and Gynecology, Medicine, and Community Health Sciences, University of Calgary); Radha Chari (University of Alberta); Susan Crawford (Alberta Health Services); Susan Jelinski (Alberta Health Services); Jesus Serrano-Lomelin (University of Alberta); Maria Ospina (University of Alberta)
- PS1 - 140 Uric acid in preeclampsia: associations with angiogenic and inflammatory markers**  
Amelia Srajer (University of Calgary); Kamran Yusuf (University of Calgary)
- PS1 - 141 Oxytocin Dose for Labour Induction in Women with Class III Obesity: A Single Center Experience**  
Shifana Lalani (Western University); Rita Morassut (Western University); Genevieve Eastabrook (Western University); Barbra de Vrijer (Western University)
- PS1 - 153 The Association Between Maternal Placental Growth Factor and Maternal Vascular Malperfusion in pregnancies complicated by preeclampsia**  
Alexandre Fillion (Université Laval); Paul Guerby (CHU de Toulouse); Didier Menzies (CHRU de Nancy); Emmanuel Bujold (Université Laval)
- PS1 - 155 Risk of Infections in Infants Delivered by Caesarean Section on Maternal Request Compared to Vaginal Delivery: A Systematic Review**  
Laura Nguyen (University of Ottawa); Yanfang Guo (BORN Ontario); Gary Kong (The Ottawa Hospital Research Institute); Shi Wu Wen (OMIN, Ottawa Hospital Research Institute)
- PS1 - 179 Changes in stillbirth rate during the COVID-19 pandemic**  
Amy C O'Higgins (Mount Sinai Hospital); John Snelgrove (Mount Sinai Hospital); Rohan D'Souza (Mount Sinai Hospital)
- PS1 - 187 A scoping review of breastfeeding in women with chronic disease**  
Mandakini Jain (University of Calgary); Natalie Scime (University of Calgary); Sangmin Lee (University of Calgary); Katie Chaput (University of Calgary); Amy Metcalfe (Department of Obstetrics and Gynecology, Medicine, and Community Health Sciences, University of Calgary)
- PS1 - 195 Implications of an isolated low head circumference for longer-term child development**  
Catharine M McCann (Department of Obstetrics & Gynaecology /UBC); Jessica Liauw (BC Women's Hospital/ Department of Obstetrics & Gynecology /UBC); Chantal Mayer (BC Women's Hospital + Health Centre/UBC); Arianne Albert (Women's Health Research Institute/BC Women's Hospital + Health Centre/ UBC); Jennifer Hutcheon (Department of Obstetrics & Gynaecology/ UBC)
- PS1 - 198 Association between antepartum oral glucose tolerance test and the risk of future type 2 diabetes mellitus among women with gestational diabetes: a systematic review and meta-analysis**  
Linn E Moore (University of Alberta); Britt Voaklander (University of Alberta); Anamaria Savu (University of Alberta ); Roseanne Yeung (University of Alberta); Edmond Ryan (University of Alberta); Dagmara Chojecki (University of Alberta); Padma Kaul (University of Alberta); Maria Ospina (University of Alberta)



- PS1 - 201** **Infant Pain: Barriers and Facilitators to Effectively Implementing Parent-Targeted Education**  
Catherine C Larocque (University of Ottawa); Carolina Lavin Venegas (BORN Ontario); Sandra Dunn (BORN Ontario); Marsha Campbell-Yeo (Dalhousie University/IWK); Lucy Gilmore (Headwaters Health); Ian Graham (Ottawa Hospital Research Institute); Jeremy Grimshaw (Ottawa Hospital Research Institute); JoAnn Harrold (Children's Hospital of Eastern Ontario/The Ottawa Hospital); Jiale Hu (Virginia Commonwealth University); LeAnne McArthur (London Health Sciences Centre); Shokoufeh Modanloo (University of Ottawa); Stuart Nicholls (University of Ottawa/Ottawa Hospital Research Institute); Pat O'Flaherty (Champlain Maternal Newborn Regional Program); Shahirose Premji (York University); Jessica Reszel (Ottawa Hospital Research Institute); Sonia Semenic (McGill University); Janet Squires (University of Ottawa/Ottawa Hospital Research Institute); Bonnie Stevens (Sick Kids); Monica Taljaard (Ottawa Hospital Research Institute); Marie-Josée Trépanier (Champlain Maternal Newborn Regional Program); Kathy Venter (Baby Friendly Initiative Ontario); Jodi Wilding (Children's Hospital of Eastern Ontario); Denise Harrison (University of Melbourne)
- PS1 - 208** **Feasibility and acceptability of a very early nursing intervention guiding mothers to interact with their preterm infant while participating in their care and positioning (GP\_Posit) in the NICU**  
Andréane Lavallée (FSI-UdeM); Marilyn Aita (Université de Montréal)

**Theme** **Neonatology (1 paper)**

- PS1 - 017** **What is Teamwork? A Qualitative Study on the Perception of Teamwork in a Specialized Neonatal Resuscitation Team**  
Krystyna Ediger (University of Alberta); Marghalara Rashid (University of Alberta); Brenda Hiu Yan Law (University of Alberta)