

## CURRICULUM VITAE

**NAME:** Venu Jain, MD, PhD, FRCSC, FRCOG

**ADDRESS:** 5S131 Lois Hole Hospital for Women  
10240 Kingsway  
Edmonton, Alberta T5H 3V9

**Tel:** 780 735 4812

**Fax:** 780 735 4981

**E-mail:** venu.jain@albertahealthservices.ca

### CURRENT POSITION/APPOINTMENTS:

2023- present Professor, Maternal Fetal Medicine  
Department of Obstetrics & Gynecology  
University of Alberta, Edmonton, Alberta

2007 - present Staff Obstetrician & Gynecologist and MFM Specialist  
Royal Alexandra Hospital, Edmonton, Alberta

### EDUCATION AND WORK EXPERIENCE:

2018 - 2023 Co-Chair, Lois Hole Hospital for Women Quality Assurance  
Sub-Committee, Royal Alexandra Hospital, Edmonton, Alberta

2012 - 2023 Co-Chair, MoreOB Program, Royal Alexandra Hospital,  
Edmonton, Alberta

2009 - 2018 Program Director, Undergraduate Medical Education  
Department of Obstetrics & Gynecology, University of Alberta

20013 - 2023 Associate Professor, Maternal Fetal Medicine, Department of Obstetrics &  
Gynecology, University of Alberta, Edmonton, Alberta

2007 - 2013 Assistant Professor, Maternal Fetal Medicine, Department of Obstetrics &  
Gynecology, University of Alberta, Edmonton, Alberta

2005-2007 Clinical Fellow, Maternal Fetal Medicine, Obstetrics & Gynecology,  
Mount Sinai Hospital, University of Toronto, Toronto, ON

2003-2005 Lecturer/Senior Specialist Registrar in Obstetrics & Gynaecology,  
Queen Charlotte's Hospital, Imperial College London, London, UK

1998-2002 Residency Training Program – Obstetrics & Gynecology,  
University of Texas Medical Branch, Galveston, Texas, USA

1993-1998 Ph.D. – Physiology & Biophysics/Obstetrics & Gynecology,  
University of Texas Medical Branch, Galveston, Texas, USA

1992-1993 Junior Faculty (Demonstrator), Pharmacology,  
Chandigarh Medical College, Chandigarh, India

1986-1992 M.B., B.S. - Government Medical College, Patiala, India  
 Certified by the Educational Commission for Foreign Medical Graduates,  
 Philadelphia, PA, USA (1995)

### **PROFESSIONAL QUALIFICATIONS:**

Fellow of the Royal College of Surgeons of Canada (Obstetrics & Gynecology) (2005)

Member of the Royal College of Obstetricians & Gynaecologists (UK) (2006)

Certification, Maternal Fetal Medicine, Royal College of Surgeons of Canada (2008)

Fellow of the Royal College of Obstetricians & Gynaecologists (UK) (2018)

### **AWARDS:**

1986 Certificate of Merit, Dayanand Anglo-Vedic College, Chandigarh, India

1989 College Color, Government Medical College, Patiala, India

1997 Servier Young Investigator Award, 7th International Symposium on Mechanisms of Vasodilation, Maastricht, The Netherlands

2000 Best Resident Award, Department of Obstetrics and Gynecology, University of Texas Medical Branch, Galveston, Texas, USA

2000 Central Association of Obstetrics and Gynecology Fellowship Award, CAOG Annual Meeting, Chicago, Illinois, USA

2001 Association of Professors of Gynecology and Obstetrics/Parke-Davis Scholar Award, CREOG and APGO Annual Meeting, Lake Buena Vista, Florida, USA.

2002 Outstanding Faculty Teacher Award, Department of Obstetrics and Gynecology, University of Texas Medical Branch, Galveston, Texas, USA

2006 Scios Travel Award, XV Annual Meeting of the International Society for the Study of Hypertension in Pregnancy, Lisbon, Portugal

2007 Certificate of Appreciation, Top 100 reviewers list, American Journal of Obstetrics and Gynecology

2008 Excellence in Clinical Resident Education - Richard Day Award, Department of Obstetrics and Gynecology, University of Alberta, Edmonton.

2009 CREOG National Faculty Award for Excellence in Resident Education

2010 Outstanding Reviewer of the Journal, American Journal of Obstetrics and Gynecology.

### **RESEARCH GRANTS:**

Richard & Jack Wiseman Trust 2004-06: Pathological basis of twin-twin transfusion syndrome. (PI – NM Fisk) - £80,000.

Institute of Obstetrics & Gynaecology Trust 2003 (DPCH3440). Start up grant for vascular laboratory. (PI – V Jain) - £35,000.

Institute of Obstetrics & Gynaecology Trust 2004-05 (DPCH3440). Fetal programming of adult vascular disease. (PI – V Jain) - £33,466.

TD Bank Grants in Medical Excellence/Genesis Research Foundation Award in the Department of Obstetrics and Gynaecology 2006-07 (Fellowship grant) - \$55,000.

Physicians' Services Incorporated Foundation 2007. Induction and characterization of IUGR by sub-lethal injections of gcm-1 siRNA into the embryonic exocoelomic cavity in mice. (PI – V Jain) - \$19,500.

WCHRI Internal Grant 2008. Oral use of lactobacilli in management of pregnant women with preterm premature rupture of membranes. (PI – V Jain) - \$30,000.

WCHRI Internal Grant 2008. Evolving role of first trimester fetal echocardiography. (PI – Lisa Hornberger) – \$30,000.

FOMD/AHS Emerging Team Grant 2009-12. Sugar Mommies: The effect of dietary fructose on pregnancy and infant outcomes. (PI – Rhonda Bell) – \$300,000.

CIHR Meeting, Planning and Dissemination Grant: International 2009-10. Twin-to-twin transfusion syndrome: Pathogenic mechanisms & relevance to congenital heart disease. (PI – Lisa Hornberger) – \$19,953.

WCHRI Innovation Grant 2010-2012. Anatomical and Functional Predictors of Fetal Lung Hypoplasia. (PI – Lisa Hornberger) – \$30,000.

WCHRI Bridge Funding Grant 2012-2012. Fetal Cardiovascular Programming in Maternal Diabetes: Longitudinal Investigation from the Fetal Stage to early Childhood. (PI – Lisa Hornberger) – \$40,000.

National Health and Medical Research Council of Australia Grant 2011-2014. MCA Doppler Study. Multi-centre Randomized Controlled Trial. Local principal investigator. (PI – Prof. Jodie Dodd, University of Adelaide, Australia) – \$479,000

Alberta Innovates – Health Solutions Collaborative Research & Innovation (AIHS CRIO) Program Award 2013-2018 Promoting appropriate maternal body weight in pregnancy and postpartum through healthy dietary intake. (PI – Rhonda Bell) - \$2,500,000

CIHR Project Grant 2022-2027. Gut microbiota as a biological pathway linking social determinants, maternal mental health, and child neurodevelopment. (PI – Maria Ospina) – \$1,350,225.

## **OTHER COMMITTEES:**

### **National**

2023 – present	Director of Board, Society of Obstetricians and Gynecologists of Canada
2021 – present	Member, Guideline Management and Oversight Committee, Society of Obstetricians and Gynecologists of Canada
2019 – present	President, Canadian Society of Maternal Fetal Medicine
2019 – 2023	Co-chair, Maternal Fetal Medicine committee, The Society of Obstetricians and Gynaecologists of Canada

2018 – 2023	Member, Choosing Wisely Working Group, Society of Obstetricians and Gynecologists of Canada
2019, 2021, 2022, 2023	Member, Conference Organizing Committee, Annual Clinical and Scientific Conference, Society of Obstetricians and Gynecologists of Canada
2017 – 2019	Member, Academic Council, Society of Obstetricians and Gynecologists of Canada
2017 – 20119	Member, Maternal Fetal Medicine committee, The Society of Obstetricians and Gynaecologists of Canada
2017 – 2023	Member, Diagnostic Imaging committee, The Society of Obstetricians and Gynaecologists of Canada
2017 – present	Examiner, Royal College International/KIMS (Kuwait)
2017 – present	Examiner, Obstetrics & Gynecology, Royal College of Physicians and Surgeons of Canada
2015 – present	Member, National Fetal Health Surveillance Steering Committee
2014 - 2019	Board of Directors, Association of Professors of Obstetrics and Gynecology
2014 - 2018	Chair, Undergraduate Committee, Association of Professors of Obstetrics and Gynecology/SOGC
2011 - 2014	Vice Chair, Undergraduate Committee, Association of Professors of Obstetrics and Gynecology
2013 - present	Member, Obstetric Indicator Expert Advisory Group, Canadian Institute for Health Information
2011 - 2018	Member, Promotion of Subspecialty Committee, Society of Obstetricians and Gynecologists of Canada
2011, 2014	Member, Annual General Meeting Planning Committee, Association of Professors of Obstetrics and Gynecology
2011 - 2012	Member, Conference Organizing Committee, 2012 International Symposium on Pediatric Cardiology, Banff.

### **Regional**

2022, 2023	Member, Conference Organizing Committee, West-Central CME, Society of Obstetricians and Gynecologists of Canada
2016, 2018	Member, Conference Organizing Committee, Canadian National Perinatal Research Meeting (Annual Research Conference), Banff
2008 - 2012	Member, Conference Organizing Committee, Western Perinatal Research Meeting (Annual Research Conference), Banff.

2008 - 2012	Conference Organizing Committee, Annual Women's Health Conference, Edmonton.
2009 - 2011	Treasurer, Edmonton Society of Obstetricians and Gynecologists
2009	Alberta Perinatal Health Program Committee Meeting (representative for MFM)
2010	Women's Health Council Meeting (representative for MFM)
2011 - present	Member, Medical Education Committee, Royal Alexandra Hospital
2012 - present	Member, Women's and Children's Health Research Institute – Lois Hole Hospital for Women Research Space Committee

### **Faculty**

2022 – present	Interim clerkship coordinator, Undergraduate Medical Education, Department of Obstetrics & Gynecology, University of Alberta
2009 - 2018	Member, Clerkship and Elective Coordinators Committee, Faculty of Medicine & Dentistry, University of Alberta
2010 - 2018	Member, Academic Standing Committee, Faculty of Medicine & Dentistry, University of Alberta

### **Departmental**

2008 - present	Member, Departmental Executive Committee
2009 - 2017	Member, Resident Training Committee, Department of Obstetrics & Gynecology, University of Alberta

### **MEMBERSHIP IN SCIENTIFIC SOCIETIES:**

Member; 1998 - present	International Society of Perinatal Obstetricians.
Junior Fellow; 1998 - 2002	American College of Obstetricians and Gynecologists.
Member; 2004 - present	Fetal and Neonatal Physiological Society.
Member; 2006 - present	Society of Obstetricians and Gynecologists of Canada.
Member; 2006 - 2007	Ontario Medical Association.
Member; 2006 - present	Canadian Medical Association.
Member, 2007 - present	Alberta Medical Association
Member, 2007 - present	Women and Children's Health Research Institute
Member, 2008 - present	International Society of Prenatal Diagnosis
Member, 2009 - present	Association of Professors in Obstetrics and Gynecology

**INVITED PRESENTATIONS/LECTURES:**

1. Vascular effects of corticotropin releasing factor in pregnant rats. University of Modena and R. Emilia, Modena, Italy, Feb 2, 2000.
2. Altered vascular reactivity and myometrial contractility in pregnancy. Institute of Reproductive and Developmental Biology, Imperial College, London, UK, Jan 10, 2003.
4. Altered vascular reactivity and myometrial contractility in pregnancy. Department of Obstetrics and Gynaecology, University of Warwick, Coventry, UK, Jan 14, 2003.
6. Antenatal diagnosis and evaluation of hydronephrosis. At: Controversies in Perinatal Medicine and Surgery Meeting, Toronto, Ontario, Sep 15-16, 2006.
7. Twin-twin transfusion syndrome: More than meets the eye? Department of Obstetrics and Gynecology, Royal Alexandra Hospital, University of Alberta, Edmonton, Alberta, Feb 23, 2007.
8. Twins: Two for the price of one? Department of Obstetrics and Gynecology, Toronto East General Hospital, Toronto, Ontario, Feb 28, 2007.
9. Pregnancy with systemic lupus erythematosus. NICU/Perinatal rounds, Royal Alexandra Hospital, Edmonton, Sep 25, 2007.
10. Use of Doppler in obstetric ultrasound. NAIT/Radiology teaching rounds. Glenrose Hospital, Edmonton, Oct 17, 2007.
11. Exercise and pregnancy. Department of Sports Medicine, University of Alberta, Edmonton, Nov 15, 2007.
12. Twins: Two for the price of one? Department of Obstetrics and Gynecology, Grey Nuns Hospital, Edmonton, Dec 14, 2007.
13. Exercise and pregnancy. NICU/Perinatal rounds, Royal Alexandra Hospital, Edmonton, Dec 18, 2007.
14. Isoimmunization in pregnancy. Department of Hematological Pathology, University of Alberta, Edmonton. Apr 1, 2008.
15. Short Cervix: What does it mean? NICU/Perinatal rounds, Royal Alexandra Hospital, Edmonton, Apr 22, 2008.
16. Obstetrics Review. Bredin Institute, Edmonton. Apr 24, 2008.
17. Isoimmunization in Pregnancy. NICU/Perinatal rounds, Royal Alexandra Hospital, Edmonton, May 13, 2008.
18. Thrombocytopenic Purpura (TTP) in Pregnancy: Rare, but Deadly. NICU/Perinatal rounds, Royal Alexandra Hospital, Edmonton, Sep 9, 2008.
19. High Risk Pregnancy and Antenatal Surveillance - What is the Evidence? NICU/Perinatal rounds, Royal Alexandra Hospital, Edmonton, Sep 30, 2008.
20. Antepartum Hemorrhage. Women's Health Conference, Edmonton, November 21, 2008.
21. Multiple Pregnancy: Is More Merrier? Women's Health Conference, Edmonton, Nov 21, 2008.
22. Oral Use of Lactobacilli in Management of Pregnant Women with Preterm Premature Rupture of Membranes. Women & Children's Health Research Institute Research Day, Edmonton, Nov 26, 2008.
23. Current Concepts in Prediction of Preterm Labor. Women's Health Conference, Edmonton, Nov 13-14, 2009
24. A Tale of TRAPped Twins. NICU/Perinatal rounds, Royal Alexandra Hospital, Edmonton, Nov 24, 2009.
25. Intrauterine transfusion. SUPER 4<sup>th</sup> Annual Education Day, Edmonton, February 27, 2010.

26. Obstetrics Doppler: Current Trends. Alberta Diagnostic Sonographers Association Obstetric Update 2010, Edmonton, Jun 19, 2010.
27. Obstetric Doppler Ultrasound: When and Why? NICU/Perinatal rounds, Royal Alexandra Hospital, Edmonton, Sep 28, 2010.
28. Complications of Multiple Pregnancy - Diagnosis and Management. National CME in Obstetrics and Gynecology, All India Institute of Medical Sciences, New Delhi, India. Nov 28, 2010.
29. Management of Multiple Pregnancy. North Central Operating Room Nurses Association Meeting, Edmonton. Dec 1, 2010.
30. Intrauterine fetal transfusion: Why, When, How? NICU/Perinatal rounds, Royal Alexandra Hospital, Edmonton, Jan 18, 2011.
31. Controversies in Perinatal Medicine. NICU/Perinatal rounds, Royal Alexandra Hospital, Edmonton, Feb 4, 2011.
32. Structural anomalies not to miss in the first trimester scan. Workshop on Advanced Ob/Gyn Ultrasound Skills, Al-Jahra Hospital, Kuwait, Apr 17-19, 2011.
33. Doppler Ultrasound in Obstetrics – State of the Art. Workshop on Advanced Ob/Gyn Ultrasound Skills, Al-Jahra Hospital, Kuwait, Apr 17-19, 2011.
34. Ultrasound examination of the fetal heart. Workshop on Advanced Ob/Gyn Ultrasound Skills, Al-Jahra Hospital, Kuwait, Apr 17-19, 2011.
35. Ultrasound evaluation of placental insufficiency. Workshop on Advanced Ob/Gyn Ultrasound Skills, Al-Jahra Hospital, Kuwait, Apr 17-19, 2011.
36. Congenital Anomalies of Kidney and Urinary Tract – Much Ado About Nothing? NICU/Perinatal rounds, Royal Alexandra Hospital, Edmonton, May 31, 2011.
37. Obstetric Ultrasound 101. Women's Health Conference, Edmonton, Oct 28-29, 2011.
38. Maternal and Fetal Implications of Cardiac Surgery. NICU/Perinatal rounds, Royal Alexandra Hospital, Edmonton, Nov 1, 2011.
39. Complex Case Rounds - EXIT procedure. NICU/Perinatal rounds, Royal Alexandra Hospital, Edmonton, Nov 8, 2011.
40. Fetal Hydrops. 12th Annual One-Day Workshop, Alberta Neonatal Nurses Association, Edmonton, November 25, 2011.
41. FNAIT: A new twist to an old story. NICU/Perinatal rounds, Royal Alexandra Hospital, Edmonton, Mar 6, 2012.
42. Screening for FNAIT. Perinatal meeting, Canadian Blood Services, April 19, 2012.
43. Antepartum FHS and NST Interpretation and Classification Workshop. Royal Alexandra Hospital, Edmonton, Apr 27, 2012.
44. Management of Fetal Demise with Misoprostol. Obstetric Education Day, Alberta Perinatal Health Program, Wainwright, Alberta, Nov 5, 2012.
45. Management of Postpartum Hemorrhage. Obstetric Education Day, Alberta Perinatal Health Program, Wainwright, Alberta, Nov 5, 2012.
46. Electronic Fetal Monitoring - Case Studies. Obstetric Education Day, Alberta Perinatal Health Program, Wainwright, Alberta, Nov 5, 2012.
47. Management of the Pregnant Trauma Patient. Obstetric Education Day, Alberta Perinatal Health Program, Wainwright, Alberta, Nov 5, 2012.
48. Gestational Diabetes. Obstetric Education Day, Alberta Perinatal Health Program, Wainwright, Alberta, Nov 5, 2012.

49. Preterm Labor. Obstetric Education Day, Alberta Perinatal Health Program, Wainwright, Alberta, Nov 5, 2012.
50. Gestational Hypertension. Obstetric Education Day, Alberta Perinatal Health Program, Wainwright, Alberta, Nov 5, 2012.
51. Interpretation of the Obstetrical Ultrasound. Obstetric Education Day, Alberta Perinatal Health Program, Wainwright, Alberta, Nov 5, 2012.
52. Obstetric Ultrasound 101. NICU/Perinatal rounds, Royal Alexandra Hospital, Edmonton, Nov 20, 2012.
53. Complications in twin pregnancy. Department of Obstetrics and Gynecology, San Juan de Luringancho Hospital, Lima, Peru, Dec 20, 2012.
54. Obstetric Ultrasound 101 – Part 2. NICU/Perinatal rounds, Royal Alexandra Hospital, Edmonton, Nov 20, 2012.
55. AHS Fetal Health Surveillance Workshop, Royal Alexandra Hospital, Edmonton, Feb 7, 2013.
56. Provincial Fetal Health Surveillance Workshop, Royal Alexandra Hospital, Edmonton, Apr 23, 2013.
57. More OB Workshop, Royal Alexandra Hospital, Edmonton, Apr 23, 2013.
58. Exercise in Pregnancy. Grand Rounds, Grey Nuns Hospital, Edmonton, Feb 8, 2013.
59. Doppler Ultrasound, Department of Radiology Ultrasound Telerounds, Royal Alexandra Hospital, Edmonton, May 1, 2013.
60. Workshop - Tips and Tricks of Assisted Vaginal Delivery, SOGC West/Central CME, 2 April 2016, Banff, Alberta.
61. Workshop – Obstetrical Trauma Patient, SOGC West/Central CME, 2 April 2016, Banff, Alberta.
62. An update in Current Obstetrics – Outreach teaching for rural Alberta, Barrhead, Mar 23, 2016.
63. The Dos and Don'ts of Trauma in Pregnancy, The Trauma Symposium, June 3 2016, Edmonton, Alberta.
64. Management of late preterm deliveries. Misericordia Hospital, Edmonton, May 5, 2016.
65. Enhanced Skills Workshop – Intrapartum Fetal Heart Surveillance, SOGC Annual Clinical & Scientific Conference, 20 June 2017, Ottawa, Ontario.
66. Choosing Wisely in Obstetrics. NICU/Perinatal rounds, Royal Alexandra Hospital, Edmonton, April 10, 2018.
67. Use of Antibiotics in the Peripartum Period. Department of Neonatology, University of Calgary, Calgary, Alberta, May 15, 2018.
68. Enhanced Skills Course: Fetal Health Surveillance Refresher: A Systematic Approach to a Complex Algorithm. SOGC Annual Clinical & Scientific Conference, June 26-29, 2018 in Victoria, British Columbia.
69. Little Big talk: Steroids before 24 and after 34 weeks. SOGC Annual Clinical & Scientific Conference, June 26-29, 2018 in Victoria, British Columbia.
70. Workshop: Steroids before 24 and after 34 weeks. SOGC Annual Clinical & Scientific Conference, June 26-29, 2018 in Victoria, British Columbia.
71. Workshop: Skills Drills and Simulation. SOGC Annual Clinical & Scientific Conference, June 26-29, 2018 in Victoria, British Columbia.
72. Steroids before 25 and after 34 weeks. NICU/Perinatal rounds, Royal Alexandra Hospital, Edmonton, March 5, 2019.

73. "Elective" induction at term debate (with Drs. Cooper & Wood). SOGC West Central CME, March 14-16, 2019 in Lake Louise, Alberta.
74. Choosing Wisely – Antibiotic stewardship in obstetrics. SOGC West Central CME, March 14-16, 2019 in Lake Louise, Alberta.
75. Workshop: Management of PPROM (with Drs. Kent, Cooper & Kuret). SOGC West Central CME, March 14-16, 2019 in Lake Louise, Alberta.
76. Doppler ultrasound in Obstetrics. ACMDTT conference, May 11.2019 in Edmonton, Alberta.
77. Risks associated with ART pregnancies. Fertility and Reproductive Medicine Symposium. October 23, 2019, Edmonton, Alberta.
78. Antenatal Fetal Surveillance: A sonographer's perspective. Radiology rounds, North and Central Alberta, January 22, 2020, Edmonton, Alberta.
79. Guideline on diagnosis and management of placenta previa. SOGC Live Interactive Forum. August 26, 2021 (virtual/online).
80. Screening, prevention & risk management of macrosomia-associated brachial plexus injury. SOGC West Central CME, March 20, 2021 (virtual/online).
81. Diagnosis and Management of Placenta Previa. 17th ISUOG Virtual International Symposium, 17-18 April 2021.
82. Point of Care Ultrasound in Obstetrics. SOGC Ontario CME, 25-26 November, 2021(virtual/online).
83. Progesterone – Highlights from the SOGC Guidelines. OB Malpractice: A Survival Guide for 2022, University of Toronto / Mount Sinai Hospital, 22 January 2022 (Virtual/online)
84. Preeclampsia Update 2022: Implications for practice. SOGC West Central CME, 17-19 March 2022, Banff, Alberta.
85. Point of Care Ultrasound in Obstetrics. SOGC Annual Clinical & Scientific Conference, 7-10 June 2022, Quebec City, Quebec.
86. Evolution of Shoulder Dystocia: Cause and Care. Ontario Trial Lawyers Association – 2022 OTLA Medical Malpractice Conference, 23 September 2022, Toronto, Ontario (keynote speaker).
87. Previas of Pregnancy. Radiology rounds, Alberta Health Services, North and Central Alberta, January 25, 2023, Edmonton, Alberta.
88. Shoulder dystocia risk reduction – Need for a modified algorithm? SOGC West Central CME, 16-18 March 2023, Banff, Alberta.
89. To be or not to be? Vaginal progesterone for previous preterm birth (debate with Dr. S. McDonald). SOGC Annual Clinical & Scientific Conference, 2023. June 6 - 9, 2023 in Ottawa, Ontario.
90. Are we there yet? Aspirin use for preeclampsia prevention in Canada (co-presented with Dr. E. Bujold). SOGC Annual Clinical & Scientific Conference, 2023. June 6 - 9, 2023 in Ottawa, Ontario.
91. To Scan or Not to Scan – A debate on routine third-trimester ultrasound in low-risk population (debate with Dr. A.M. Morency). SOGC Annual Clinical & Scientific Conference, 2023. June 6 - 9, 2023 in Ottawa, Ontario.
92. Antenatal fetal surveillance. Grande Rounds, Grey Nuns Hospital, 16 June 2023 in Edmonton, Alberta.
93. Multifetal pregnancy reduction. SOGC Ontario CME 2023, November 23 - 25, 2023 in Toronto, Ontario.

**PRODUCTS:**

1. Fetal Health Surveillance online course, University of British Columbia.
2. Induction of Labor online course, Society of Obstetricians and Gynecologists of Canada.
3. Choosing Wisely Canada Recommendations in Obstetrics and Gynaecology (2021): Recommendation 3, 4, 12 (<https://choosingwiselycanada.org/recommendation/obstetrics-and-gynaecology/>)

**BIBLIOGRAPHY:****Publications in peer reviewed journals:**

1. Buhimschi I, Ali M, Jain V, Chwalisz K, Garfield RE. Differential regulation of nitric oxide in the rat uterus and cervix during pregnancy and labor. *Human reproduction* 1996;11:101-12.
2. Jain V, Vedernikov YP, Saade GR, Chwalisz K, Garfield RE. The relaxation responses to corticotropin-releasing factor in rat aorta are endothelium dependent and gestationally regulated. *Am J Obstet Gynecol* 1997;176:234-40.
3. Vedernikov YP, Liao QP, Jain V, Saade GR, Chwalisz K, Garfield RE. Effect of chronic treatment with 17 $\beta$ -estradiol and progesterone on endothelium-dependent and endothelium-independent relaxation in isolated aortic rings from ovariectomized rats. *Am J Obstet Gynecol* 1997;176:603-8.
4. Jain V, Vedernikov YP, Saade GR, Chwalisz K, Garfield RE. Effect of gestational age on in-vitro responses of pregnant rat aorta. *Hum Reprod* 1998;13:214-9.
5. Jain V, Shi S-Q, Vedernikov YP, Saade GR, Chwalisz K, Garfield RE. In vivo effects of corticotropin-releasing factor in pregnant rats. *Am J Obstet Gynecol* 1998;178:186-91.
6. Jain V, Vedernikov YP, Saade GR, Chwalisz K, Garfield RE. Relaxation kinetics of rat aorta during pregnancy. *J Soc Gynecol Investig* 1998;5(2):81-86.
7. Jain V, Vedernikov YP, Saade GR, Chwalisz K, Garfield RE. Relaxation kinetics of the aorta in N $\omega$ -nitro-L-arginine methyl ester treated pregnant rats. *J Soc Gynecol Investig* 1999;6(1):11-6.
8. Jain V, Vedernikov YP, Saade GR, Chwalisz K, Garfield RE. Endothelium-dependent and -independent mechanisms of vasodilation by corticotropin-releasing factor in pregnant rat uterine artery. *J Pharmacol Expt Ther* 1999;288(2):407-13.
9. Longo M, Jain V, Vedernikov YP, Saade GR, Goodrum L, Facchinetti F, Garfield RE. Effect of nitric oxide and carbon monoxide on uterine contractility during human and rat pregnancy. *Am J Obstet Gynecol* 1999;181:981-88.
10. Jain V, Longo M, Ali M, Saade GR, Chwalisz K, Garfield RE. Expression of receptors for corticotropin-releasing factor in the vasculature of pregnant rats. *J Soc Gynecol Investig* 2000;7:153-60.
11. Vedernikov YP, Syal AS, Okawa T, Jain V, Saade GR, Garfield RE. The role of cyclic nucleotides in the spontaneous contractility and responsiveness to nitric oxide of the rat uterus at midgestation and term. *Am J Obstet Gynecol* 2000;182:612-9.
12. Longo M, Jain V, Vedernikov YP, Facchinetti F, Saade GR, Garfield RE. Endothelium dependence and gestational regulation of inhibition of vascular tone by magnesium sulfate in rat aorta. *Am J Obstet Gynecol* 2001;184(5):971-8.

13. Suarez VR, Thompson LL, Jain V, Olson GL, Hankins GD, Belfort MA, Saade GR The effect of in utero exposure to indomethacin on the need for surgical closure of a patent ductus arteriosus in the neonate. *Am J Obstet Gynecol* 2002;187(4):886-8.
14. Longo M, Jain V, Vedernikov Y, Garfield RE, Saade GR. Effects of recombinant human relaxin on pregnant rat uterine artery and myometrium in vitro. *Am J Obstet Gynecol* 2003;188(6):1468-74.
15. Longo M, Jain V, Vedernikov YP, Hankins GD, Garfield RE, Saade GR. Effects of L-type  $Ca^{2+}$ -channel blockade,  $K^{+}$ -ATP-channel opening and nitric oxide on human uterine contractility in relation to gestational age and labour. *Mol Hum Reprod* 2003;9(3):159-64.
16. Nasrallah FK, Harirah HM, Vadhera R, Jain V, Franklin LT, Hankins GDV. The 30-minute decision-to-incision interval for emergency Cesarean delivery, fact or fiction? *Am J Perinatol* 2004;21(2):63-8.
17. Jain V, Fisk NM. The Twin-Twin Transfusion Syndrome. *Clin Obstet Gynecol* 2004;47(1):181-202.
18. Sebire NJ, Jain V, Talbert DG. Spiral artery associated restricted growth (SPAARG): a computer model of pathophysiology resulting from low intervillous pressure having fetal programming implications. *Pathophysiology* 2004;11(2):87-94.
19. Longo M, Jain V, Langenveld J, Vedernikov YP, Garfield RE, Hankins GD, Anderson GD, Saade GR. Enhanced growth and improved vascular function in offspring from successive pregnancies in endothelial nitric oxide synthase knockout mice. *Am J Obstet Gynecol* 2004;191(4):1470-6.
20. Jain V. Making sense of rising caesarean section rates: caesarean section on demand is obstetric dilemma. *BMJ* 2004;329(7476):1240.
21. Longo M, Jain V, Vedernikov Y, Bukowski R, Garfield RE, Hankins GDV, Anderson G, Saade GR. Fetal origins of adult vascular dysfunction in mice lacking endothelial nitric oxide synthase. *Am J Physiol Regul Integr Comp Physiol* 2005;288(5):R1114-21.
22. Jain V, Sebire NJ, Talbert DG. Kaiser Wilhelm syndrome: Obstetric trauma or placental insult in a historical case mimicking Erb's palsy. *Med Hypotheses* 2005;65(1):185-91.
23. Jain V. Feto-feto-fetal transfusion syndrome in monozygotic monochorionic triamniotic triplets: vascular evaluation by a cast model. *Placenta*. 2005;26(5):437.
24. Galea P, Jain V, Fisk NM. Insights into the pathophysiology of twin-twin transfusion syndrome. *Prenat Diagn* 2005;25(9):777-85.
25. Jain V, Lim M, Longo M, Fisk NM. Inhibitory effect of erythropoietin on contractility of human chorionic plate vessels. *Am J Obstet Gynecol* 2006;194(1):246.
26. Jain V. Inflammatory markers and selective cervical cerclage. *Am J Obstet Gynecol* 2007;196(1):e32.
27. Galea P, Barigye O, Wee L, Jain V, Sullivan M, Fisk NM. The placenta contributes to activation of the renin angiotensin system in twin-twin transfusion syndrome. *Placenta*. 2008;29(8):734-42.
28. Jain V. Defining high risk. *CMAJ* 2010;182(5):482.
29. Chen I, Chandra S, Singh A, Kumar M, Jain V, Turnell R. Successful outcome with intrauterine transfusion in non-immune hydrops fetalis secondary to congenital syphilis: a case report. *J Obstet Gynaecol Can* 2010;32(9):861-5.
30. Sabourin J, DeDomingo E, Chandra S, Jain V. Twin reversed arterial perfusion syndrome. *J Obstet Gynaecol Can* 2011;33(4):315.

31. Jain V. Placement of a cervical cerclage in combination with an intrauterine balloon catheter to arrest postpartum hemorrhage. *Am J Obstet Gynecol* 2011;205(1):e15-7.
32. Nakatsuka N, Jain V, Aziz K, Verity R, Kumar M. Is there an association between fetal scalp electrode application and early-onset neonatal sepsis in term and late preterm pregnancies? A case-control study. *J Obstet Gynaecol Can* 2012;34(1):29-33.
33. Jain V. Elective caesarean delivery for the mature nullipara? *J Obstet Gynecol Can* 2012;34(6):517.
34. Howley LW, Yamamoto Y, Sonesson SE, Sekar P, Jain V, Motan T, Savard W, Wagner BD, Trines J, Hornberger LK. Antegrade late diastolic arterial blood flow in the fetus: insight into fetal atrial function. *Am J Obstet Gynecol* 2013;208(6):490.e1-8.
35. Jain V, Clarke G, Russell L, McBrien A, Hornberger L, Young C, Chandra S. A case of alloimmune thrombocytopenia, hemorrhagic anemia-induced fetal hydrops, maternal mirror syndrome, and human chorionic gonadotropin-induced thyrotoxicosis. *AJP Rep* 2013;3(1):41-4.
36. Fyfe-Brown A, Clarke G, Nerenberg K, Chandra S, Jain V. Management of pregnancy-associated thrombotic thrombocytopenia purpura. *AJP Rep* 2013;3(1):45-50.
37. Adam SH, de Meulles L, Jain V. Antenatal diagnosis of dacryocystocele. *J Obstet Gynaecol Can* 2013;35(7):591-2.
38. McBrien A, Howley L, Yamamoto Y, Hutchinson D, Hirose A, Sekar P, Jain V, Motan T, Trines J, Savard W, Hornberger LK. Changes in fetal cardiac axis between 8 and 15 weeks' gestation. *Ultrasound Obstet Gynecol* 2013;42(6):653-8.
39. Jain V. Ectopic pregnancy implanted over the uterine artery. *J Obstet Gynaecol Can* 2013;35(10):875-6.
40. Graham JE, Mayan M, McCargar LJ, Bell RC; Sweet Moms Team (Bell RC, Hemmings D, Manca D, Sharma A, Plane F, Kerr P, Koonen D, Mayan M, McCargar L, Jain V). Making compromises: a qualitative study of sugar consumption behaviors during pregnancy. *J Nutr Educ Behav* 2013;45(6):578-85.
41. Yamamoto Y, Thebaud B, Vadivel A, Eaton F, Jain V, Hornberger LK. Doppler parameters of fetal lung hypoplasia and impact of sildenafil. *Am J Obstet Gynecol* 2014;211(3):263e1-8.
42. Sabourin J, Van Thournout R, Jain V, Demianczuk N, Flood C. Confidence in performing normal vaginal delivery in the obstetrics clerkship: a randomized trial of two simulators. *J Obstet Gynaecol Can* 2014;36(7):620-7.
43. Rodych J, Young C, Jain V. Dicephalic Parapagus Conjoined Twins. *Austin J Obstet Gynecol* 2014;1 (2):1
44. Jain V. Kielland's forceps: demise before the 100th anniversary? *J Obstet Gynaecol Can* 2015;37(1):15.
45. Jain V, Chari R, Maslovitz S, Farine D. Guidelines for the management of a pregnant trauma patient. SOGC Clinical practice guideline. *J Obstet Gynaecol Can* 2015;37(6):553–57.
46. Jain V. Letter to the Editor: Diagnosis, Evaluation, and Management of the Hypertensive Disorders of Pregnancy: Executive Summary. *J Obstet Gynaecol Can* 2015;37(9):774-5.
47. Zwingerman R, Jain V, Hannon J, Zwingerman N, Clarke G. Alloimmune red blood cell antibodies – Prevalence and pathogenicity in a Canadian prenatal population. *J Obstet Gynaecol Can* 2015; 2015;37(9):784–790.
48. Jain V, Chandra S, Kiddoo DA. Therapeutic Fetal Vesicoamniotic Shunt Placement. *J Obstet Gynaecol Can* 2016;38(4):327-330.

49. Hutchinson D, McBrien A, Howley L, Yamamoto Y, Sekar P, Motan T, Jain V, Savard W, Hornberger LK. First-Trimester Fetal Echocardiography: Identification of Cardiac Structures for Screening from 6 to 13 Weeks' Gestational Age. *J Am Soc Echocardiogr* 2017;30(8):763-772.
50. Jain V. Delivering Shoulders and Dealing With Shoulder Dystocia: Should the Standard of Care Change? *J Obstet Gynaecol Can* 2017;39(2):75-76.
51. Law B, Bratu I, Jain V, Landry M-A. Refractory tension pneumothorax as a result of an internally displaced thoracoamniotic shunt in an infant with a congenital pulmonary airway malformation. *BMJ Case Rep* 2016. doi:10.1136/bcr-2016-216324.
52. Yamamoto Y, Hirose A, Howley L, Savard W, Jain V, Hornberger LK. Parameters of fetal pulmonary vascular health: baseline trends and response to maternal hyperoxia in the second and third trimesters. *Ultrasound Obstet Gynecol* 2017;50(5):618-623.
53. Morris J, Nikolopoulos H, Berry T, Jain V, Vallis M, Piccinini-Vallis H, Bell RC; ENRICH team. Healthcare providers' gestational weight gain counselling practises and the influence of knowledge and attitudes: a cross-sectional mixed methods study. *BMJ Open* 2017;7(11):e018527.
54. Jo-Ann Johnson J, MacDonald K, Skoll A, Clarke G, Acker J, Brock J, MD, Cardoso R, Chandra S, Drouin O, Jain V, Lamont R, Langlois S, Metcalfe A, Okun N, Oluyomi-Obi T, Ryan G, Smith G, Teitelbaum L, Wilson D. Routine Noninvasive Prenatal Prediction of fetal RHD Genotype in Canada: The Time is Here. *J Obstet Gynaecol Can* 2017;39(5):366-73.
55. Jain V. Choosing Wisely-Bloodwork for Preeclampsia. *J Obstet Gynaecol Can* 2018;40(6):723-725.
56. Boutin A, Skoll A, Bujold E, Burrows J, Crane J, Geary M, Jain V, Lacaze-Masmonteil T, Liauw J, Mundle W, Murphy K, Wong S, Joseph KS. Antenatal Corticosteroid Therapy for Improving Neonatal Outcomes: Balancing Benefits and Risks. *J Obstet Gynaecol Can* 2018;40(9):1193-1197.
57. Skoll A, Boutin A, Bujold E, Burrows J, Crane J, Geary M, Jain V, Lacaze-Masmonteil T, Liauw J, Mundle W, Murphy K, Wong S, Joseph KS. Antenatal Corticosteroid Therapy for Improving Neonatal Outcomes. SOGC Clinical practice guideline. *J Obstet Gynaecol Can* 2018;40(9):1219-1239.
58. Gyenes DL, McBrien AH, Bohun CM, Serrano-Lomelin J, Alvarez SGV, Howley LW, Savard W, Jain V, Motan T, Atallah J, Hornberger LK. Evolution of the Fetal Atrioventricular Interval from 6 to 40 Weeks of Gestation. *Am J Cardiol* 2019;123(10):1709-1714.
59. Subhan FB, Shulman L, Yuan Y, McCargar LJ, Kong L, Bell RC, APrON Study Team and ENRICH. Association of pre-pregnancy BMI and gestational weight gain with fat mass distribution and accretion during pregnancy and early postpartum: a prospective study of Albertan women. *BMJ Open* 2019;27;9(7):e026908.
60. Jain V. Choosing Wisely: Bedrest - A panacea for all that ails the gravida? *J Obstet Gynaecol Can* 2019;41(7):971-3.
61. Do V, Al-Hashmi H, Ojala T, Jain V, Colen T, Goncalvez-Alvarez S, Davidge ST, Al-Rajaa N, Serrano-Lomelin J, Stickland MK, Hornberger LK. Cardiovascular health of offspring of diabetic mothers from the fetal through late-infancy stages. *JACC Cardiovasc Imaging* 2019;12(5):932-934.

62. Gu J, Karmakar-Hore S, Hogan ME, Azzam HM, Barrett JFR, Brown A, Cook JL, Jain V, Melamed N, Smith GN, Zaltz A, Gurevich Y Examining caesarean section rates in Canada using the modified Robson classification. *J Obstet Gynaecol Can* 2020;42(6):757-765.
63. Jain V, McDonald SD, Mundle WR, Farine D. The use of progesterone for prevention of spontaneous preterm birth. SOGC Clinical practice guideline. *J Obstet Gynaecol Can* 2020;42(6):806-812.
64. Jain V, Bos H, Bujold E. Diagnosis and management of placenta previa. SOGC Clinical practice guideline. *J Obstet Gynaecol Can* 2020;42(7):906-917.
65. Yamamoto Y, Hirose A, Jain V, Hornberger L. Branch pulmonary artery Doppler parameters predict early survival-non survival in premature rupture of membranes. *J Perinatol* 2020;40(12):1821-1827.
66. Black K, Drummond L, Jain V, Sagle M. Development of a medical education podcast in obstetrics and gynecology. *Can Med Ed J* 2021;12(2):e103-e105.
67. Jain V, McDonald SD, Mundle WR, Farine D. Letter to Editor: Progesterone for prevention of spontaneous preterm birth. *J Obstet Gynaecol Can* 2020;42(10): P1201-1202.
68. Pihelgas A, Prior A, Ospina MB, Jain V. Decreasing insulin requirements in pregnancy with pre-existing or gestational diabetes: management practices across Canada. [:https://doi.org/10.1016/j.jogc.2020.12.015](https://doi.org/10.1016/j.jogc.2020.12.015)
69. Jain V, O'Quinn C, Van den Hof M. Point of care ultrasound in obstetrics and gynaecology. SOGC Clinical practice guideline. *J Obstet Gynaecol Can* 2021;43(9):P1094-9.
70. McDonald SD, Narvey M, Ehman W, Jain V, Cassell K. Umbilical Cord Management in Preterm and Term Infants. *J Obstet Gynaecol Can* 2021;44(3):P313-322.E1.
71. Magee LA, Smith GN, Bloch C, Côté AM, Jain V, Nerenberg K, von Dadelszen P, Helewa M, Rey E. Guideline No. 426: Hypertensive Disorders of Pregnancy: Diagnosis, Prediction, Prevention, and Management. *J Obstet Gynaecol Can* 2022;44(5):547-571.e1.
72. McDonald SD, Narvey M, Ehman W, Jain V, Cassell K. Joint SOGC-CPS Clinical Practice Guideline: Umbilical cord management in preterm and term infants. *Paediatr Child Health* 2022;27(4):254-255.
73. Mei-Dan E, Jain V, Melamed N, Lim KI, Aviram A, Ryan G, Barrett J. Guideline No. 428: Management of dichorionic twin pregnancies. *J Obstet Gynaecol Can* 2022;44(7):819-834.e1.
74. McDonald SD, Narvey M, Ehman W, Jain V, Cassell K. Recommendations for umbilical cord clamping. There is no influence of gravity in the volume of placental transfusion in vaginal deliveries. *J Obstet Gynaecol Can* 2022;44(12):1253-1254.
75. Misita D, Aulakh S, Jain V, Quintanilha M, Ospina MB, Bell RC. Prenatal nutrition care in Alberta: The perspectives of pregnant women and registered dietitians. *Can J Diet Pract Res* 2023;84(2):77-83.
76. Jain V. Pitfalls of analyzing perinatal outcomes by health care provider. *CMAJ* 2023;195(16):E589.
77. Bujold E, Jain V (joint first author). Editorial: Preparing to predict and prevent preeclampsia in Canada. *J Obstet Gynecol Can* 2023;45(5):297-298.
78. Liauw J, Foggin H, Socha P, Crane J, Joseph KS, Burrows J, Lacaze-Masmonteil T, Jain V, Boutin A, Hutcheon J. SOGC Technical Update No. 438: Antenatal corticosteroids at late preterm gestation. *J Obstet Gynecol Can* 2023;45(6):445-457.e2.
79. Jain V, Gagnon R. SOGC Clinical Practice Guideline No. 439: Diagnosis and management of vasa previa *J Obstet Gynecol Can* 2023;45(7):506-518.

80. Niles KM, Jain V, Chan C, Choo S, Dore S, Kiely DJ, Lim K, Roy Lacroix M, Sharma S, Waterman E. SOGC Clinical Practice Guideline No. 442: Antenatal Fetal Health Surveillance. *J Obstet Gynaecol Can* 2023;45(9):665-677.e3.
81. Jain V. Letter to Editor. *J Obstet Gynaecol Can* 2023;45(10):102173.
82. Hobson SR, Cohen ER, Gandhi S, Jain V, Niles KM, Roy-Lacroix M-E, Wo BL. Diagnosis and Management of Intrahepatic Cholestasis of Pregnancy. *J Obstet Gynaecol Can* 2024 (in press).
83. Van den Hof MC, Jain V, Nevo O. Fetal Sex Determination and Disclosure. *J Obstet Gynaecol Can* 2024 (in press).
84. Alam AU, Wu C, Kaul P, Jain V, Sun H. Impact of inherited bleeding disorders on maternal bleeding and other pregnancy outcomes: A population-based cohort study. *Hemophilia* (accepted for publication)
85. Morency A, Jain V, Lim K, Bujold E, Ghandehari H, Hobson S, Cohen E. SOGC clinical practice guideline: Routine third trimester ultrasound in pregnancy. In draft for publication in *J Obstet Gynaecol Can*.
86. Jain V, Mei-Dan E, Morency A, Lalani S, Robertson J. SOGC clinical practice guideline: Multifetal pregnancy reduction. In draft for publication in *J Obstet Gynaecol Can*.

#### **Invited chapters:**

1. Jain V, Saade GR, Garfield RE. Uterine contraction. In: Knobil E, Neill JD, eds. *Encyclopedia of reproduction*, Vol. 4. Academic Press, 1998:932-942.
2. Jain V, Vedernikov YP, Saade GR, Garfield RE. Role of endothelium-derived hyperpolarizing factor in relaxation of pregnant rat uterine artery by corticotropin-releasing factor. In: Vanhoutte PM, ed. *Endothelium dependent hyperpolarization*. Harwood academic publishers, Amsterdam, 1999:353-361.
3. Jain V, Saade GR, Garfield RE. Structure and function of the myometrium. In: Barr L, Christ GJ, eds. *A functional view of smooth muscle*. Advances in organ biology. JAI Press, Stamford, 2000:215-246.

#### **ABSTRACTS:**

##### **Oral Presentations:**

1. Jain V, Vedernikov Y, Saade G, Chwalisz K, Garfield R. Relaxation kinetics of pregnant rat aorta. Presented at the Society for Perinatal Obstetricians 17th Annual Meeting, January 23-26, 1997, Anaheim, CA. (*Am J Obstet Gynecol* 1997;176(1 part 2):S165)
2. Jain V, Shi SQ, Shi L, Vedernikov Y, Saade G, Chwalisz K, Garfield R. Effects of corticotropin-releasing factor in pregnant rats. Presented at 38th Annual National Student Research Forum, April 17-19, Galveston, TX.
3. Jain V, Vedernikov YP, Saade GR, Chwalisz K, Garfield RE. Pathways mediating vasorelaxation of pregnant rat uterine artery by corticotropin-releasing factor. Presented at the Society of Perinatal Obstetricians 18th Annual Meeting, Feb 2-7, 1998, Miami Beach, Florida. (*Am J Obstet Gynecol* 1998;178:S14)
4. Longo M, Jain V, Vedernikov Y, Saade G, Garfield R. Vascular reactivity during pregnancy and role of nitric oxide. Presented at the Sixth Annual Texas Forum on Female Reproduction, May 18-19, 2000, Houston, Texas.
5. Longo M, Jain V, Mackay L, Vedernikov Y, Facchinetti F, Saade GR, Garfield RE. Pathways involved in uterine contractility: effects of gestational age and labor. Presented at the Society

- for Maternal-Fetal Medicine 21st Annual Meeting, Feb7-10, 2001, Reno, Nevada. (Am J Obstet Gynecol 2001;184:S19)
6. Longo M, Jain V, Vedernikov Y, Saade GR, Garfield RE. On fetal origin of disease: Effect of in-utero environment and genetic imprinting on future vascular reactivity. Presented at the Society for Maternal-Fetal Medicine 22nd Annual Meeting, Jan 14-19, 2002, New Orleans, Louisiana. (Am J Obstet Gynecol 2002;185:S70)
  7. Longo M, Jain V, Vedernikov Y, Saade GR, Garfield RE. Effect of pregnancy on vascular reactivity in transgenic mice lacking a functional endothelial or inducible nitric oxide synthase. Presented at the Society for Maternal-Fetal Medicine 22nd Annual Meeting, Jan 14-19, 2002, New Orleans, Louisiana. (Am J Obstet Gynecol 2002;185:S74)
  8. Longo M, Jain V, Vedernikov Y, Saade GR, Garfield RE. Effect of genetic imprinting on the carotid artery of mice lacking endothelial nitric oxide synthase. Presented at the Society for Gynecologic Investigation 49th Annual Scientific Meeting, Mar 20-23, 2002, Los Angeles, California. (J Soc Gynecol Investig 2002;9:71A)
  9. Longo M, Jain V, Vedernikov YP, Anderson G, Saade GR, and Garfield RE. Effect of utero and genes on vascular development in adult life. Presented at the 13th World Congress of the International Society for the Study of Hypertension in pregnancy, June 2-5 2002, Toronto, Canada (Journal of Hypertension in Pregnancy 2002;182).
  10. Longo M, Jain V, Anderson G, Vedernikov Y, Garfield RE, Saade GR. On the fetal origin of disease: effect of uterine environment and genetic imprinting on vascular reactivity in later life. Presented at the Society for Maternal-Fetal Medicine 23rd Annual Meeting, Feb 4-8, 2003, San Francisco, California. (Am J Obstet Gynecol 2002; 187 (6 part 2):S19).
  11. Longo M, Jain V, Vedernikov Y, Anderson GD, Garfield RE, Saade GR. Effect of in-utero environment and genetic imprinting on future vascular reactivity in transgenic mice lacking a functional endothelial nitric oxide synthase. Presented at the Second World Congress on Fetal Origin of Adult Disease, June 7-10, 2003, Brighton, United Kingdom.
  12. Jain V, Lim M, Longo M, Fisk NM. Effects of erythropoietin on placental vessels: a mechanism for hypoxia-induced fetal vascular programming? Presented at the Developmental Origins of Health and Disease Symposium, June 29-30, 2004, Maastricht, Netherlands.
  13. Longo M, Jain V, Bukowski R, Garfield RE, Anderson GD, Hankins GDV, Saade GR. Enhanced growth and improved vascular function in offspring from successive pregnancies in endothelial nitric oxide synthase knockout mice. Presented at the 31<sup>st</sup> Annual Meeting of the Fetal and Neonatal Physiological Society, Sept 11-15, 2004, Castelvechio Pascoli, Italy.
  14. Jain V, Lim M, Longo M, Fisk NM. Erythropoietin inhibits contractility of placental arteries: a mechanism for hypoxia-induced fetal vascular programming? Presented at the 31<sup>st</sup> Annual Meeting of the Fetal and Neonatal Physiological Society, Sept 11-15, 2004, Castelvechio Pascoli, Italy.
  15. Longo M, Lu L, Jain V, Bukowski R, Hankins G, Garland Anderson G, Saade G. The effect of fetal programming on the expression of genes involved in adult vascular function. Presented at the Society for Maternal-Fetal Medicine 25th Annual Meeting, Feb 7-12, 2005, Reno, Nevada. (Am J Obstet Gynecol 2004;191(6 part 2):S7)
  16. Jain V, Toal M, Chaddha V, Chan C, Laskin C, Shupak R, Windrim R, Sermer M, Kingdom J. A prospective study of pregnancies complicated by systemic lupus erythematosus and managed in a dedicated high risk clinic. Presented at the 3rd World Congress of the International Society of Obstetric Medicine, July 2-3, 2006, Lisbon, Portugal.

17. Jain V, Toal M, Chaddha V, Chan C, Laskin C, Shupak R, Windrim R, Sermer M, Kingdom J. Hypertension is associated with abnormal markers of placental function and adverse maternal-fetal outcomes in lupus pregnancies. Presented at the XV Annual Meeting of the International Society for the Study of Hypertension in Pregnancy, July 2-5, 2006, Lisbon, Portugal.
18. Nakatsuka N, Jain V, Aziz K, Verity R, Kumar M. Does the use of fetal scalp electrode increase the risk of early-onset neonatal sepsis in term and late-preterm pregnancies? Presented at the Resident Research Day 2011, Department of Obstetrics and Gynecology, University of Alberta (Awarded best presentation).
19. Yamamoto Y, Bernard T, Jain V, Hornberger LK. Validation of clinical Doppler parameters of pulmonary vascular responsivity and severity of lung hypoplasia in a fetal rat model. Presented at the 21st World Congress on Ultrasound in Obstetrics and Gynecology, Sep 18-22, 2011, Los Angeles, USA. (Ultrasound in Obstetrics & Gynecology 2011; 38 (Suppl. 1):41) (Awarded best presentation).
20. Yamamoto Y, Bernard T, Jain V, Hornberger LK. In vivo validation of the treatment effect of Sildenafil in a nitrofen induced congenital diaphragmatic hernia rat model. Presented at the 22nd World Congress on Ultrasound in Obstetrics and Gynecology, Sep 9-12, 2012, Copenhagen, Denmark. (Ultrasound in Obstetrics & Gynecology 2012; 40 (Suppl. 1):52.
21. Nakatsuka N, Jain V, Aziz K, Verity R, Kumar M. Does the use of fetal scalp electrode increase the risk of early-onset neonatal sepsis in term and late-preterm pregnancies? Presented at the 40th Annual Meeting of the Association of Professors in Obstetrics and Gynecology of Canada, Dec 2-4, 2011, Toronto, Ontario.
22. McBrien A, Howley L, Yamamoto Y, Hirose A, Sekar P, Jain V, Motan T, Walsh M, Trines J, Hornberger LK. Normative Data for the Late First-Early Second Trimester Fetal Heart. Presented at the Western Perinatal Research Meeting, Feb 17-19, 2012, Banff, Alberta.
23. Zwingerman R, Jain V, Hannon J, Clarke G. Pregnancies Complicated by Red Blood Cell Antibodies. Presented at the Resident Research Day, April 27 2012, Department of Obstetrics and Gynecology, University of Alberta.
24. Yamamoto Y, Hirose A, Savard W, Jain V, Hornberger LK Doppler-based parameters of fetal pulmonary vascular resistance: baseline trends and response to maternal hyperoxia in the second and third trimester. Presented at the International Society of Ultrasound in Obstetrics and Gynecology 23rd World Congress, October 5-9, 2013, Sydney, Australia (Ultrasound Obstet Gynecol 2013;42(Suppl 1):1-47)
25. Jain V. Therapeutic potential of thoracentesis in severe fetal pleural effusion with or without hydriops. Presented at the 34th Annual Conference of the International Fetal Medicine and Surgery Society, June 19-23, 2015, Crete, Greece.
26. Alam A\*, Jain V, Wu C, Sun L. Impact of Inherited Bleeding Disorders on Maternal Bleeding and Other Pregnancy Outcomes: A Population-Based Cohort Study. Presented at the American Society of Hematology 63rd Annual Meeting and Exposition, December 10-13, 2021, New Orleans, Louisiana (ASH Abstract Achievement Award) (Blood 2021;138(Suppl 1):493).

#### Posters:

1. Jain V, Vedernikov YP, Saade GR, Garfield RE. The relaxation responses to corticotropin-releasing factor in rat aorta are endothelium dependent and gestationally regulated. Presented at the American Heart Association 69th Scientific Sessions, November 10-13, 1996, New Orleans, LA. (Circulation 1996;95(8):I-704)

2. Jain V, Vedernikov Y, Saade G, Chwalisz K, Garfield R. Effect of gestational age on in-vitro responses of pregnant rat aorta. Presented at the Society for Perinatal Obstetricians 17th Annual Meeting, January 23-26, 1997, Anaheim, CA. (Am J Obstet Gynecol 1997;176(1 part 2):S27)
3. Jain V, Shi SQ, Shi L, Vedernikov Y, Saade G, Chwalisz K, Garfield R. In-vivo effects of corticotropin-releasing factor in pregnant rats. Presented at the Society for Gynecologic Investigation 44th Annual Scientific Meeting, March 19-22, 1997, San Diego, CA. (J Soc Gynecol Invest 1997;4(1):249A)
4. Jain V, Vedernikov Y, Saade G, Chwalisz K, Garfield R. In-vitro effects of corticotropin-releasing factor on pregnant rat uterine artery. Presented at the Society for Gynecologic Investigation 44th Annual Scientific Meeting, March 19-22, 1997, San Diego, CA. (J Soc Gynecol Invest 1997;4(1):249A)
5. Vedernikov Y, Liao Q-P, Jain V, Saade G, Chwalisz K, Garfield R. Treatment of ovariectomized rats with 17- $\beta$  estradiol and progesterone did not effect endothelium-dependent and -independent relaxation of isolated rat aorta. Presented at the Society for Gynecologic Investigation 44th Annual Scientific Meeting, March 19-22, 1997, San Diego, CA. (J Soc Gynecol Invest 1997;4(1):215A)
6. Syal A, Okawa T, Jain V, Vedernikov Y, Chwalisz K, Saade G, Garfield R. Effects of phosphodiesterase inhibitors on rat uterine contractility during pregnancy. Presented at the Society for Gynecologic Investigation 44th Annual Scientific Meeting, March 19-22, 1997, San Diego, CA. (J Soc Gynecol Invest 1997;4(1):259A)
7. Shi L, Shi S-Q, Jain V, Saade G, Chwalisz K, Garfield RE. Changes in cervical ripening in the rats during pregnancy after onapristone and promegestone treatments. Presented at the Society for Gynecologic Investigation 44th Annual Scientific Meeting, March 19-22, 1997, San Diego, CA. (J Soc Gynecol Invest 1997;4(1):224A)
8. Jain V, Vedernikov YP, Saade GR, Garfield RE. Endothelium-dependent and -independent mechanisms of vasodilation by corticotropin-releasing factor in pregnant rat uterine artery. Presented at the 7th International Symposium on Mechanisms of Vasodilation, July 6-9, 1997, Maastricht, The Netherlands. (J Vasc Res 1997;34:21)
9. Jain V, Vedernikov YP, Saade GR, Garfield RE. Relaxation kinetics of the aorta in N $\omega$ -nitro-L-arginine methyl ester treated pregnant rats. Presented at the 7th International Symposium on Mechanisms of Vasodilation, July 6-9, 1997, Maastricht, The Netherlands. (J Vasc Res 1997;34:21)
10. Jain V, Ali M, Saade GR, Chwalisz K, Garfield RE. Vascular corticotropin-releasing factor in pregnant rats. Presented at the Society of Perinatal Obstetricians 18th Annual Meeting, Feb 2-7, 1998, Miami Beach, Florida. (Am J Obstet Gynecol 1998;178:S35)
11. Jain V, Vedernikov YP, Saade GR, Chwalisz K, Garfield RE. Effects of pregnancy on responses of rat uterine artery to vasodilators. Presented at the Society for Gynecologic Investigation 45th Annual Scientific Meeting, March 11-14, 1998, Atlanta, GA. (J Soc Gynecol Invest 1998;5(1):146A)
12. Jain V, Ali M, Purcell T, Saade GR, Chwalisz K, Garfield RE. Expression of receptors for corticotropin-releasing factor in vasculature of pregnant rats. Presented at the Society for Gynecologic Investigation 45th Annual Scientific Meeting, March 11-14, 1998, Atlanta, GA. (J Soc Gynecol Invest 1998;5(1):147A)
13. Ali M, Buhimschi I, Orise P, Jain V, Saade GR, Chwalisz K, Garfield RE. Expression of nitric oxide synthases (NOS) in rat uterus and cervix after LPS administration to pregnant and

- nonpregnant rats. Presented at the Society for Gynecologic Investigation 45th Annual Scientific Meeting, March 11-14, 1998, Atlanta, GA. (J Soc Gynecol Investig 1998;5(1):145A)
14. Jain V, Vedernikov YP, Saade GR, Garfield RE. Role of endothelium-derived hyperpolarizing factor in relaxation of pregnant rat uterine artery by corticotropin-releasing factor. Accepted for presentation at Second Workshop on Endothelium-Derived Hyperpolarizing Factor at Abbaye des Vaux de Carnay, France (June 5-6, 1998)
  15. Jain V, Longo M, Vedernikov YP, Saade GR, Chwalisz K, Garfield RE. Effect of nitric oxide inhibition on changes in hematocrit during pregnancy. Presented at the Society for Maternal-Fetal Medicine 19th Annual Meeting, Jan 18-23, 1999, San Francisco, California. (Am J Obstet Gynecol 1999;180:S43)
  16. Longo M, Jain V, Vedernikov YP, Saade GR, Chwalisz K, Facchinetti F, Garfield RE. Inhibition of vascular contractility by magnesium sulfate during pregnancy is mediated by nitric oxide. Presented at the Society for Maternal-Fetal Medicine 19th Annual Meeting, Jan 18-23, 1999, San Francisco, California. (Am J Obstet Gynecol 1999;180:S42)
  17. Longo M, Jain V, Vedernikov YP, Saade GR, Chwalisz K, Facchinetti F, Garfield RE. Effect of nitric oxide and carbon monoxide on rat uterine contractility during pregnancy. Presented at the Society for Maternal-Fetal Medicine 19th Annual Meeting, Jan 18-23, 1999, San Francisco, California. (Am J Obstet Gynecol 1999;180:S133)
  18. Longo M, Jain V, Vedernikov YP, Saade GR, Chwalisz K, Facchinetti F, Garfield RE. Effect of nitric oxide and carbon monoxide on human myometrial contractility at term. Presented at the Society for Maternal-Fetal Medicine 19th Annual Meeting, Jan 18-23, 1999, San Francisco, California. (Am J Obstet Gynecol 1999;180:S134)
  19. Jain V, Longo M, Vedernikov YP, Ali M, Saade GR, Chwalisz K, Garfield RE. Increased endothelium-dependent relaxation in mutant mice lacking inducible nitric oxide synthase. Presented at the Society for Gynecologic Investigation 46th Annual Scientific Meeting, March 10-13, 1999, Atlanta, GA. (J Soc Gynecol Investig 1999;6(1):120A)
  20. Longo M, Jain V, Vedernikov YP, Saade GR, Chwalisz K, Facchinetti F, Garfield RE. Effect of sodium nitroprusside and magnesium sulfate in rat uterine contractility during pregnancy. Presented at the Society for Gynecologic Investigation 46th Annual Scientific Meeting, March 10-13, 1999, Atlanta, GA. (J Soc Gynecol Investig 1999;6(1):158A)
  21. Longo M, Jain V, Vedernikov Y, Saade G, Facchinetti F, Garfield R. Vascular reactivity in pregnant mice lacking inducible nitric oxide synthase expression. Presented at the Society for Maternal-Fetal Medicine 20th Annual Meeting, Jan 31- Feb 5, 2000, Miami Beach, Florida. (Am J Obstet Gynecol 2000;182:S88)
  22. Longo M, Jain V, Vedernikov Y, Facchinetti F, Saade G, Garfield R. Uterine contractility in mice lacking functional inducible nitric oxide synthase during pregnancy. Presented at the Society for Maternal-Fetal Medicine 20th Annual Meeting, Jan 31- Feb 5, 2000, Miami Beach, Florida. (Am J Obstet Gynecol 2000;182:S196)
  23. Jain V, Longo M, Vedernikov YP, Saade GR, Garfield R. Hemodynamic effects of nitric oxide synthase inhibitor N $\omega$ -nitro-L-arginine methyl ester in pregnant rats. Presented at the International Symposium on Stress, Hormones and Human Parturition, Feb 27-29, 2000, Udine, Italy.
  24. Longo M, Jain V, Vedernikov YP, Saade GR, Facchinetti F, Garfield R. Interaction of magnesium and nitric oxide on vascular tone and myometrial activity during pregnancy. Presented at the International Symposium on Stress, Hormones and Human Parturition, Feb 27-29, 2000, Udine, Italy.

25. Longo M, Jain V, Vedernikov Y, Facchinetti F, Saade G, Garfield R. Vascular reactivity and response to estradiol and potassium channel modulators in female mice lacking a functional endothelial nitric oxide synthase. Presented at the Society for Gynecologic Investigation 47th Annual Scientific Meeting, Mar 22–25, 2000, Chicago, Illinois. (J Soc Gynecol Investig 2000;7(1):222A)
26. Longo M, Jain V, Vedernikov Y, Facchinetti F, Saade G, Garfield R. Mechanisms inhibiting contractility in the human myometrium at term gestation. Presented at the Society for Gynecologic Investigation 47th Annual Scientific Meeting, Mar 22–25, 2000, Chicago, Illinois. (J Soc Gynecol Investig 2000;7(1):274A)
27. Longo M, Jain V, Mackay L, Vedernikov Y, Facchinetti F, Saade GR, Garfield RE. Vascular effect of magnesium sulphate in transgenic mice lacking endothelial nitric oxide synthase. Presented at the Society for Maternal-Fetal Medicine 21st Annual Meeting, Feb7-10, 2001, Reno, Nevada. (Am J Obstet Gynecol 2001;184:S78)
28. Longo M, Jain V, Vedernikov Y, Saade GR, Garfield RE. Uterine contractility in pregnant mice lacking an inducible nitric oxide synthase. Presented at the Society for Maternal-Fetal Medicine 21st Annual Meeting, Feb7-10, 2001, Reno, Nevada. (Am J Obstet Gynecol 2001;184:S78)
29. Longo M, Jain V, Vedernikov Y, Saade GR, Garfield RE. Vascular reactivity during pregnancy in transgenic mice lacking endothelial nitric oxide synthase. Presented at the Society for Maternal-Fetal Medicine 21st Annual Meeting, Feb7-10, 2001, Reno, Nevada. (Am J Obstet Gynecol 2001;184:S78)
30. Longo M, Jain V, Mackay L, Vedernikov Y, Facchinetti F, Saade GR, Garfield RE. Maternal and fetal effects of lack of endothelial and inducible nitric oxide synthase expression in pregnant mice. Presented at the Society for Gynecologic Investigation 48th Annual Scientific Meeting, Mar 14-17, 2001, Toronto, Canada. (J Soc Gynecol Investig 2001;8:256A)
31. Longo M, Jain V, Vedernikov Y, Saade GR, Garfield RE. Relaxin-induced vasorelaxation in pregnant rat uterine artery. Presented at the Society for Gynecologic Investigation 48th Annual Scientific Meeting, Mar 14-17, 2001, Toronto, Canada. (J Soc Gynecol Investig 2001;8:119A)
32. Longo M, Jain V, Raad N, Vedernikov Y, Facchinetti F, Saade GR, Garfield RE. Vascular effects of  $17\beta$ -estradiol in pregnant mice lacking endothelial nitric oxide synthase. Presented at the Society for Gynecologic Investigation 48th Annual Scientific Meeting, Mar 14-17, 2001, Toronto, Canada. (J Soc Gynecol Investig 2001;8:118A)
33. Longo M, Jain V, Mackay L, Vedernikov Y, Saade GR, Garfield RE. Endothelium-derived relaxing factor in the aorta of mice lacking a functional endothelial nitric oxide synthase. Presented at the Society for Gynecologic Investigation 48th Annual Scientific Meeting, Mar 14-17, 2001, Toronto, Canada. (J Soc Gynecol Investig 2001;8:225A)
34. Longo M, Jain V, Vedernikov Y, Saade GR, Garfield RE. Gestational age effects on vascular reactivity in transgenic mice lacking endothelial or inducible nitric oxide synthase. Presented at the 8<sup>th</sup> International Symposium on Mechanisms of Vasodilation, May 31- June 3, 2001, Boston, Mass. (J Vasc Res 2001;38S101:16)
35. Longo M, Jain V, Vedernikov Y, Bukowski R, Anderson G, Saade GR, Garfield RE. Effect of in-utero environment and genetic imprinting on fetal and neonatal development in heterozygous endothelial nitric oxide synthase mice. Presented at the Society for Maternal-Fetal Medicine 22nd Annual Meeting, Jan 14-19, 2002, New Orleans, Louisiana. (Am J Obstet Gynecol 2002;185:S229)

36. Longo M, Jain V, Vedernikov Y, Saade GR, Garfield RE. Effect of relaxin on rat uterine contractility during pregnancy. Presented at the Society for Gynecologic Investigation 49th Annual Scientific Meeting, Mar 20-23, 2002, Los Angeles, California. (J Soc Gynecol Investig 2002;9:308A)
37. Longo M, Jain V, Vedernikov Y, Maner W, Maul H, Saade GR, Garfield RE. Increased spontaneous electrical activity in pregnant mice lacking inducible nitric oxide synthase. Presented at the Society for Gynecologic Investigation 49th Annual Scientific Meeting, Mar 20-23, 2002, Los Angeles, California. (J Soc Gynecol Investig 2002;9:308A)
38. Longo M, Jain V, Vedernikov Y, Saade GR, Garfield RE. Relaxin-induced vasorelaxation in pregnant rat uterine artery. Presented at the Society for Gynecologic Investigation 49th Annual Scientific Meeting, Mar 20-23, 2002, Los Angeles, California. (J Soc Gynecol Investig 2002;9:309A)
39. Longo M., Jain V, Vedernikov Y, Hankins GDV, Saade G, Garfield R. In vitro reactivity of human chorionic vessels at term: role of prostanoids and nitric oxide. Presented at the Society for Maternal-Fetal Medicine 23rd Annual Meeting, Feb 4-8, 2003, San Francisco, California. (Am J Obstet Gynecol 2002; 187 (6 part 2):S237)
40. Longo M, Jain V, MacKay L, Vedernikov Y, Saade GR, Garfield RE. Uterine contractility in pregnant mice lacking endothelial nitric oxide synthase. Presented at the Society for Maternal-Fetal Medicine 23rd Annual Meeting, Feb 4-8, 2003, San Francisco, California. (Am J Obstet Gynecol 2002;187 (6 part 2):S236)
41. Longo M, Vedernikov Y, Betancourt A, Jain V, Saade GR, Garfield RE. The effect of intrauterine environment and genetics on placental nitric oxide production in pregnant mice lacking an endothelial nitric oxide synthase. Presented at the Society for Maternal-Fetal Medicine 23rd Annual Meeting, Feb 4-8, 2003, San Francisco, California. (Am J Obstet Gynecol 2002; 187 (6 part 2):S236)
42. Longo M, Jain V, Vedernikov Y, Bukowski R, Hankins GDV, Saade GR, Garfield RE. In vitro reactivity of human umbilical vessels at term of pregnancy and role of nitric oxide. Presented at the Society for Gynecologic Investigation 50th Annual Scientific Meeting, Mar 26-30, 2003, Washington, DC. (J Soc Gynecol Investig 2003;10:194)
43. Longo M, Jain V, Vedernikov Y, Bukowski R, Saade GR, Garfield RE. Pregnancy-dependent changes in myometrial contractility in female mice lacking a functional endothelial nitric oxide synthase. Presented at the Society for Gynecologic Investigation 50th Annual Scientific Meeting, Mar 26-30, 2003, Washington, DC. (J Soc Gynecol Investig 2003;10:471)
44. Longo M, Langenveld J, Jain V, Vedernikov YP, Anderson GD, Hankins GDV, Garfield RE, Saade GR. Effect of Pregnancy on vascular responses in the offspring of endothelial nitric oxide synthase knockout mice. Presented at the Society for Maternal-Fetal Medicine 24th Annual Meeting, Feb 2-7, 2004, New Orleans, LA. (Am J Obstet Gynecol 2004;189(6):S94).
45. Longo M, Langenveld J, Jain V, Hankins GDV, Anderson GD, Garfield RE, Saade GR. Effect of Pregnancy on postnatal growth in the offspring of endothelial nitric oxide synthase knockout mice. Presented at the Society for Maternal-Fetal Medicine 24th Annual Meeting, Feb 2-7, 2004, New Orleans, LA. (Am J Obstet Gynecol 2004;189(6):S97).
46. Galea P, Jain V, Sullivan M, Barigye O, Wee L, Wimalasundera R, Gardiner HM, Fisk NM. Placental origin of paradoxical renin angiotensin system activation in recipient fetuses with twin-twin transfusion syndrome. Presented at the 24th International Fetal Medicine and Surgical Society Meeting, May 22-25, 2005, Helsingor, Denmark.

47. Howley L, Yamamoto Y, Sekar P, Sonesson S, Jain V, Trines J, Savard W, Hornberger LK. Antegrade late diastolic arterial flow in the fetus: Insight into early fetal hemodynamics. Presented at the American Heart Association Scientific Sessions, Nov 13-17, 2010, Chicago, IL. (Circulation 2010;122:A13050).
48. Howley L, Sekar P, Yamamoto Y, Jain V, Trines J, Savard W, Hornberger LK. Descriptive Analysis of the evolution of fetal hemodynamics from 6-30 weeks. Presented at the American Heart Association Scientific Sessions, Nov 13-17, 2010, Chicago, IL. (Circulation 2010;122:A14569).
49. Wong K, Clarke G, Chandra S, Chari R, Demianczuk N, Jain V, Turnell R, Nahirniak S. Plasmapheresis and IVIG successfully maintain fetal erythropoiesis despite anti-Kell antibodies. Presented at the Canadian Society for Transfusion Medicine Annual Meeting, May 13-16, 2010, Vancouver, British Columbia.
50. Vanderzalm J, Demianczuk N, VanThournout R, Jain V. Enhancing the medical student experience in labor and delivery using a nurse preceptor: A program evaluation. Presented at the Society of Obstetricians and Gynecologists of Canada 66<sup>th</sup> Annual Clinical Meeting, June 2-6, 2010, Montreal, Quebec.
51. Yamamoto Y, Thebaud B, Jain V, Hornberger LK. Prenatal evaluation of lung growth and function by echocardiography using an experimental fetal rat model. Presented at the Society for Gynecologic Investigation 58th Annual Scientific Meeting, Mar 16-19, 2011, Miami Beach, Florida. (Reprod Sci 2011;18(4 Suppl):103A)
52. McBrien A, Howley L, Yamamoto Y, Hirose A, Sekar P, Jain V, Motan T, Trines J, Savard W, Hornberger LK. Changes in the fetal cardiac axis in the late first-early second trimester. Presented at the Western Perinatal Research Meeting, Feb 17-19, 2012, Banff, Alberta.
53. Colen T, Khoo NS, Alrajaa N, Ojala T, Brooks PA, Jain V, Yamamoto Y, Kutty S, Stickland M, Davidge S, Hornberger LK. Exposure to the diabetic intrauterine environment is associated with ventricular hypertrophy in early and late infancy. Presented at the Western Perinatal Research Meeting, Feb 17-19, 2012, Banff, Alberta.
54. Zwingerman R, Jain V, Hannon J, Clarke G. Pregnancies complicated by red blood cell antibodies. Presented at the Western Perinatal Research Meeting, Feb 17-19, 2012, Banff, Alberta.
55. Colen T, Khoo NS, Brooks P, Yamamoto Y, Kutty S, Jain V, Ojala, T, Al Rajaa N, Savard W, Stickland M, Davidge S, Hornberger LK, Exposure to the diabetic intrauterine environment is associated with ventricular hypertrophy in early and late infancy. American College of Cardiology 61<sup>st</sup> Annual Scientific Session, Mar 24-27, Chicago, IL. (J Am Coll Cardiol, 2012;59(13 Suppl);E767)
56. Sabourin J, Jain V, Flood C. Simulation of Normal Vaginal Deliveries During the Obstetrics Clerkship: A Randomized Controlled Trial Assessing Confidence. Presented at the 2012 CREOG & APGO annual meeting, Mar 7-10, 2012, Orlando, FL. (APGO Resident Scholars Award)
57. Sacks J, Motan T, Jain V. Predictive value of cervical length in patients with threatened preterm labour and a negative fetal fibronectin (ffn). Presented at the Society of Obstetricians and Gynecologists of Canada 68<sup>th</sup> Annual Clinical Meeting, Jun 20-24, 2012, Ottawa, ON.
58. Jain V, Clarke G, Russell L, McBrien A, Hornberger L, Young C, Chandra S. A Case of Alloimmune Thrombocytopenia, Hemorrhagic Anemia-Induced Fetal Hydrops, Maternal Mirror Syndrome and hCG-induced Thyrotoxicosis. Presented at the 11th World Congress in Fetal Medicine, Jun 24-28, 2012, Kos, Greece.

59. Yamamoto Y, Thebaud B, Jain V, Hornberger LK. In Vivo Validation of the Treatment Effect of Sildenafil in a Nitrofen Induced Congenital Diaphragmatic Hernia Rat Model. Presented at the 11th World Congress in Fetal Medicine, Jun 24-28, 2012, Kos, Greece.
60. Hutchinson D, Hirose A, Yamamoto Y, Jain V, Hornberger LK. Utility of Fetal Echocardiography in the Evaluation and Treatment of Fetal Anemia. World Congress of Pediatric Cardiology & Cardiovascular Surgery, Cape Town, SA, Feb 2013 (published in Cardiology in the Young 2013)
61. Alhashemi H, Colen T, Hirose A, Alrajaa N, Davidge S, Savard W, Stickland M, Jain V, Lisa Hornberger. Intrauterine Exposure to Maternal Diabetes is Associated with Increased Aortic Stiffness in Early and Late Infancy, San Francisco, California, March 9-11, 2013. (J Am Coll Cardiol 2013;61(10 Suppl):E512)
62. Hutchinson D, McBrien A, Howely L, Yamamoto Y, Motan T, Jain V, Savard W, Hornberger LK. Early first trimester fetal echocardiography: identification of cardiac structures by 2D imaging and color Doppler from six weeks gestation. Presented at the American College of Cardiology's 62nd Annual Scientific Session, March 9 – 11, 2013, San Francisco, California (J Am Coll Cardiol 2013;61(10 Suppl):E556)
63. Zwingerman R, Jain V, Hannon J, Clarke G. Outcomes of Pregnancies Complicated by Red Blood Cell Antibodies. Presented at the 17th International Conference on Prenatal Diagnosis & Therapy, Jun 2 - 5 2013, Lisbon, Portugal.
64. Alhashemi H, Colen T, Hirose A, Alrajaa N, Jain V, Savard W, Stickland M, Davidge S, Hornberger LK. Exploring The Relationship Between increased Arterial Stiffness and Myocardial Hypertrophy in infants of Diabetic Mothers. Presented at the Canadian Cardiovascular Conference Oct 17-19, 2013, Montreal, Quebec.
65. Pin S, Jain V, Crane J, Chandra S. A teaching interventions intervention on screening test performance to improve resident bedside application of clinical epidemiology concepts. Presented at the Association of Professors in Obstetrics and Gynecology 42nd Annual Meeting, Nov 29-Dec 1, 2013, Toronto, Ontario. (Education Innovation Award)
66. Mills L, Savard W, Jain V, Hornberger L. Congenital heart disease identified at first trimester fetal echocardiography; an institutional experience. Presented at the Canadian Cardiovascular Congress, Vancouver, October 25-28, 2014. (Canadian Journal of Cardiology 2014;30(10):S342-3.
67. Castillo E, Chandra S, Cooper R, Jain V, Tang, J, Tellier R, Young C, Chari R. A Retrospective Review of the Clinical Utilization and Outcomes of Cytomegalovirus (CMV) IgG Avidity Testing in Pregnant Women in a Canadian Province. CMV Public Health Conference, Salt Lake City, Utah, September 26-27, 2014.
68. Jain V. Enhanced competency through interactive role-playing: An educational tool for bedside clinical skills development, assessment and feedback. Presented at the Association of Professors in Obstetrics and Gynaecology of Canada 43rd Annual Meeting, Toronto, December 5-7, 2014.
69. Bohun CM, Howley L, Serrano Lomelin J, Sekar P, Savard W, Mills L, McBrien A, Jain V, Motan T and Hornberger LK. The Evolution of Diastolic Events and the Impact of Heart Rate in the First to Early Second Trimester Fetus. Circulation 2015.
70. Gyenes D, Atallah J, Serrano Lomelin J, Bohun CM, Howley L, McBrien A, Savard W, Jain V, Motan T and Hornberger LK. Evolution of the Fetal Atrioventricular (AV) interval from 6-40 weeks of Gestation. Presented at the American College of cardiology Annual Scientific Session in Chicago, IL, April 2016 (JACC 2016)

71. Yamamoto Y, Hirose A, Savard W, Jain V, Hornberger LK Prediction of severity of lung hypoplasia in the fetuses with prolonged premature rupture of membrane. Presented at the International Society of Ultrasound in Obstetrics and Gynecology 26th World Congress, September 25-28, 2016, Rome, Italy (Ultrasound Obstet Gynecol 2016;48(Suppl 1):297.
72. Sullivan MB, Thompson X, Mathura P, Wong A, Crawford J, Salguero C, Tankel J, Fuezery A, Jain V, Sia W. Reducing Excessive Laboratory Investigations for Preeclampsia: A Quality Improvement Project. J Obstet Gynaecol Can 2018;40(6):855.
73. DraganaMisita D, Aulakh S, OspinaM, Jain V, Bell RC. Prenatal nutrition care in Alberta: Exploring women's Interest in dietetic services during pregnancy and Dietitians experiences supporting pregnant women during pregnancy. Presented at WCHRI 12<sup>th</sup> Annual Research Day, Edmonton, Alberta, November 6, 2019.
74. McBrien A, Gyenes D, Bohun CM, Serrano-Lomelin J, Alvarez SGV, Howley LW, Jain V, Motan T, Hornberger LK. Changes in Fetal/Embryonic Heart Function Components in the Late First/Early Second Trimester of Human Pregnancy. Presented at AHA Scientific Sessions Philadelphia, PA, November 16–18, 2019.
75. Alam A\*, Jain V, , Kaul P, Lapner S, Wu C, Sun L. Iron deficiency in pregnancy is highly prevalent despite suboptimal screening: A population-based cohort study. Presented at the Congress of the International Society on Thrombosis and Haemostasis London, England, U.K., July 9-13, 2022 (Trainee received the Early Career Award).