

# **Curriculum Vitae**

## **Ira Mark Bernstein**

Professor and John Van Sicklen Maeck Chair  
Department of Obstetrics, Gynecology and Reproductive Sciences  
Robert Larner, M.D. College of Medicine at the University of Vermont  
Chief of Women's Health Services  
University of Vermont Medical Center  
Burlington, Vermont

**Work Addresses:** Department of Obstetrics, Gynecology and Reproductive Sciences  
Smith 410, University of Vermont Medical Center  
111 Colchester Avenue  
Burlington, Vermont 05401-1435

**Phone Numbers:** (802) 847-5112 (wk)  
(802) 847-2772 (fx)  
(802) 434-4213 (hm)

**e-mail:** ira.bernstein@uvmhealth.org

**Education and Honors:** Union College, Schenectady, N.Y. 1978  
B.S. Psychobiology, Magna Cum Laude  
Eliphalet Nott Scholar

University of Vermont College of Medicine M.D. 1983  
Alpha Omega Alpha Medical Honor Society,  
Carbee Award for Excellence in Ob/Gyn,  
Mosby Scholarship Award

George Washington Univ. Hospital, Resident Ob/Gyn 1983-87  
Chief Administrative Resident 1986-87,  
Surgical Resident of the Year 1987,  
Obstetrical Resident of the Year 1987

University of Vermont College of Medicine  
Fellow in Maternal Fetal Medicine 1987-90

American College of Physician Executives  
On-Site Physician Leadership Education Program Feb-Apr 2003

Harvard School for Public Health  
Leadership Development of Physicians in Academic Health Centers  
October 2006

AAMC Executive Development Seminar for Associate Deans and  
Department Chairs October 2009

Publication selected "Outstanding in Field"  
Clinical Digest Series OB/GYN  
1992 (Publication #8)

New England Perinatal Society  
Ross Award for Clinical Science Presentation  
1994 (Abstract #19) 1999 (Abstract # 47)

New England Perinatal Society  
Ross Award for Basic Science Presentation  
1994 (Abstract # 20)

Society for Perinatal Obstetricians  
Fellow Plenary Session Award  
1995 (Abstract #25)

University of Vermont College of Medicine  
Distinguished Academic Achievement Award 2002

New England Society for Health Care Communications  
Lampighter Award of Excellence May 2005

Society for Maternal Fetal Medicine  
Research Excellence Award  
2008 (Abstract #101)

Society for Gynecologic Investigation  
Trainee Poster Session Award  
2010 (Abstract #123)

University of Vermont  
University Scholar Award 2016-17

**Appointments:**

Chair and Health Care Service Leader 2012-  
John van Sicklen Maeck Chair  
Department of Obstetrics, Gynecology and Reproductive Sciences  
Larner College of Medicine, University of Vermont  
Women's Health Care Service  
University of Vermont Medicine Center

Senior Associate Dean for Research  
University of Vermont College of Medicine 2009-2014

Fellowship Director: Maternal Fetal Medicine  
Fletcher Allen Health Care  
University of Vermont  
Department of Obstetrics, Gynecology and Reproductive Sciences 2004-10

Faculty Member: Graduate College 2006-  
University of Vermont

Vice-Chair for Obstetrics  
Fletcher Allen Health Care, Women' Health Care Service  
University of Vermont Department of Obstetrics and Gynecology 2003-09

Director: Maternal Fetal Medicine  
Fletcher Allen Health Care, Women's Health Care Service  
University of Vermont Department of Obstetrics and Gynecology 2003-09

Acting Chair and Health Care Service Leader:  
Department of Obstetrics and Gynecology / Women's Health Care Service  
University of Vermont / Fletcher Allen Health Care 12/06-2/07

Director: Core Laboratory for Imaging  
General Clinical Research Center  
University of Vermont College of Medicine 2003-2006

Research Subject Advocate  
General Clinical Research Center  
University of Vermont College of Medicine 2001-2006

2001 Professor(tenured): Obstetrics, Gynecology and Reproductive Sciences  
University of Vermont College of Medicine

Chair: Institutional Review Board for Human Research  
University of Vermont 1996-2001

Associate Professor (tenured): Obstetrics/Gynecology/Maternal Fetal Med  
University of Vermont College of Medicine 1996-2001

Assistant Professor: Obstetrics/Gynecology/ Maternal Fetal Med  
University of Vermont College of Medicine 1990-1996

Named New Investigator/Sims Obesity Nutrition Research Center  
University of Vermont College of Medicine 1993-95

Instructor: Obstetrics and Gynecology  
University of Vermont College of Medicine 1987-90

Instructor: Obstetrics and Gynecology  
George Washington University Hospital 1986-87

Research Assistant, Department of Internal Medicine  
Division of Endocrinology/Metabolism, UVM College of Medicine 1982

**Certification:** Diplomate: ABOG/Maternal Fetal Medicine 1992-present

Diplomate: American Board OB/GYN 1991-present  
Diplomate: National Board of Medical Examiners 1983

**Service, Committees: Local**

University of Vermont: Institutional Review Board for Human Experimentation  
Member 1991-2001, Associate Chair:1992-96, Chair:1996-2001  
Alternate Member 2001-2003  
Internal Advisory Committee 2002-2010  
Medical Center Hospital of VT Committee on Resident Coverage in OB/GYN 1992-94  
Fletcher Allen Health Care Diabetes Center Stakeholder 1994-96  
Fletcher Allen Health Care Insulin Task Force 1996  
Fletcher Allen Health Care Women's Health Care Service, Quality Assurance Committee: Second  
Trimester Termination 1995  
University of Vermont, Department of Obstetrics and Gynecology  
Ad Hoc Committee on Research 1995-2009  
Research Finance Committee 1995-2009  
Fletcher Allen Health Care, Women's Health Care Service Standing Committee on Rules and  
Regulations 1995  
Fletcher Allen Health Care, Newborn Care Team  
Communications Working Group 1996  
Fletcher Allen Health Care, Newborn Formula Pack Committee Working Group 1997  
Fletcher Allen Health Care Women's Health Care Service  
Bonus Distribution Subcommittee 1999  
University Health Center Inc. Board of Trustees 1999-2005  
Financial Investment sub-committee 1999-2005  
Board President 2001-2003  
Board Chairperson 2003-2004  
University of Vermont, member, Chair Search, Department of Radiology 2000-02  
University of Vermont, VT Children's Obesity Program Working Group 2001-03  
University of Vermont General Clinical Research Center Scientific Advisory Committee,  
Ex Officio member 2001-2006  
University of Vermont, Web Site Development Group Department of Ob/Gyn 2002  
University of Vermont, Chair, Faculty Search Committee, Geneticist, Department of Obstetrics and  
Gynecology 2003-04  
University of Vermont, member, Faculty Search Committee, Reproductive Scientist, Department of  
Obstetrics and Gynecology 2003-06  
Fletcher Allen Health Care, Professional Compliance Committee 2003-04  
University of Vermont, Chair, Neurology Dept Tenure Review Committee, Marilyn Cipolla 2004  
University of Vermont College of Medicine, Governance Task Force 2004-2005  
University of Vermont College of Medicine, Anna Euser, Ph.D. Thesis Committee, 2005-07  
Fletcher Allen Professional Corporation, Nominations Committee 2005-2010, Chair 2007-2010  
University of Vermont/FAHC CCTS Advisory Committee 2005-2012  
Fletcher Allen Health Care, Women's Health Care Service, Practice Standards Committee 2005-09  
FAHC, Scholarship Oversight Committee: Robert Pfister, Neonatology fellow 2006-07  
University of Vermont College of Medicine Dean Search Committee 2006-2007  
University of Vermont Research, Scholarship & Graduate Education Committee, 2007-09  
Fletcher Allen Health Care Senior Management Strategic Planning Committee 2007-09  
Fletcher Allen Health Care Physician Pipeline Development Committee 2007-09  
Fletcher Allen Health Care Master Plan Facility Affinity Group #2 2007

Fletcher Allen Health Care Professional Revenue Stream Initiative 2007-08  
 FAHC, Scholarship Oversight Committee: S. Kendra Ardell, Neonatology fellow 2008-11  
 Fletcher Allen Health Care Finance sub-committee 2008-09  
 University of Vermont Medical Group (UVMMG) Research and Education Committee 2009-  
 Chair 2016-17  
 University of Vermont Research Conflict of Interest Oversight Committee 2009-2017  
 DSMB member; Effective Contraception in Narcotic Addicted Young Women (NIH R03, PI Heil)  
 2011-2013  
 University of Vermont Presidential Search Committee, Chair: Faculty Panel 2010-2012  
 UVM COM LCME Task Force subcommittee: Educational Resources 2012  
 Fletcher Allen Health Care-UVMMG President/Senior Associate Dean for Clinical Affairs Search  
 Committee 2013  
 Fletcher Allen Health Care-IT Research Compliance Committee 2013-2017  
 DSMB member; Effective Contraception in Narcotic Addicted Young Women (NIH R01, PI Heil)  
 2014-2019  
 UVM COM FTARS Re-evaluation Committee 2013-14  
 Chair-research sub-committee  
 UVM Cardiovascular Research Institute (CVRI) Board of Directors 2014-  
 UVM CNHS Dean Review: Chair-review committee 2014  
 UVM-WCHNBRI Research Misconduct investigation committee 2014  
 UVM COM Standing Committee on Endowed Chairs 2014-19  
 UVM COM Senior Associate Dean for Research: search committee 2014-15  
 UVMMC Patient Care and Operations 2014-2016  
 Subcommittee: Physician Effort Allocation 2015  
 University Medical Education Associates (UMEA) Board 2015-  
 Finance sub-committee 2015-2018  
 University of Vermont College of Medicine, Chair, Chair search committee, Department of  
 Radiology  
 2016-17  
 Vermont State Chemicals of High Concern Working Group Oct 2016-2020  
 University of Vermont Health Network Physician Organization Finance Committee Chair 2017-  
 University of Vermont Faculty Practice Finance Committee Chair 2017-  
 University of Vermont Health Network Physician Organization Board Vice-Chair 2017-19  
 University of Vermont Larner College of Medicine Dean search committee 2017-18  
 University of Vermont Health Network Medical Group Executive Planning Council 2017-19  
 University of Vermont Presidential Search Committee, Faculty Panel 2018-19  
 University of Vermont Health Network UVMMC President and COO search committee 2019  
 UVMHN Physician Advisory Group; Lumeris Engagement 2019-20  
 University of Vermont Larner College of Medicine LCME prep Chair subcommittee 10 2019-21  
 UVMMC Institutional EDI Task Force 2019-  
 UVMMC Patient Rights and Responsibility Task Force Chair 2019-20  
 UVMMC Discriminatory Patient Preference Working Group Chair 2020  
 UVM LCOM Re-opening Clinical Research Work Group 2020  
 University of Vermont Larner College of Medicine VT Cancer Center Director/Heme Onc  
 Division  
 Director search committee Co-chair 2020-21  
 University of Vermont Larner College of Medicine FTARRS Re-evaluation Committee Co-chair  
 2020-  
 University of Vermont Vermont Center for Cardiovascular and Brain Health Publications and

Grants Committee 2021-

**Service, Committees: Regional/National**

Perinatal Research Society 1996-

Council member 1998-2000, President-elect 03/04, President 04/05, Past President 05/06

New England Perinatal Society 1987-

Prog. Comm. 1992-99, Sec/Treas. 95/96, Vice Pres. 96/97, Pres. 97/98

Society for Gynecologic Investigation 1994-

Membership advisory group ad hoc 2001

Membership advisory committee 2001-2004

Vermont Program for Quality in Health Care, Inc. (VPQHC)

Diabetes Steering Committee 1999-2005

National Institute of Health: NICHD: The National Children's Study

Nutrition, Growth and Pubertal Development Working Group 2002-2004

Fetal Growth workshop 12/02

Body Composition workshop 10/04

National Institute of Health, HED-1 Study Section Ad Hoc 2/01, 10/03

National Institute of Health, Special Study Section (Cooperative Centers in Reproductive Research)  
11/02

National Institute of Health, Special Study Section ZRG1 EMNR-F (04) 07/12/05

Vermont Oxford Neonatal Network: Database Advisory Committee: 2005-2016

National Institute of Health, Pregnancy and Neonatology Study Section

Regular member 2006-09

Chair 2009-11

National Institute of Health, NICHD Advisory Committee: National Standard for Normal Fetal Growth  
Study 2008-11

National Institute of Health, Chair-Special Study Section 2009/01 ZRG1 EMNR-D (02) S 11/24/08

National Children's Study, NIH, Ultrasound Training-Vanguard Centers Webinar 3/12/09, 5/21/09

National Institute of Health, Special Study Section 2009/01 ZRG1-EMNR-C 58 6/11/09

National Institute of Health, SEP 2009/01 ZHD1-DSR-K ZG "RECOVERY" National Standard for  
Normal Fetal Growth 5/12/10

National Institute of Health, NICHD Scientific Vision Workshop planner on Developmental  
Origins of Health and Disease. 2010-11

National Institute of Health, NICHD 2011/01 ZHD1 DRG-D (SY) Chair-Special Study Section  
Cooperative Multicenter Trials in Obstetrics & Maternal Fetal Medicine (Teleconference)  
12/16/2010

American College of Ob/Gyn, Task Force on Hypertension in Pregnancy 2011-13

Gates Foundation Reviewer: Global Alliance for Preventing Preterm Birth and Stillbirth 2012

National Institute of Health, SEP ZRG1 EMNR-T (02), members Study Section 01/30/13

National Institute of Health, SEP SBIR/STTR ZHD1 DRG-H (92) B Chair-Study Section 12/3/13

National Institute of Health, NICHD concept document review, "Fetal Body Composition and  
Volumes in the NICHD Fetal Growth Studies". ZHD1 DSR-K (42) 2/12/14

National Institute of Health: CSR's Pilot Study to Evaluate the Relative Quality of Grant  
Applications 10/6/14

Preeclampsia Foundation: Medical Advisory Board 2014-

National Institute of Health, Protocol Review Committee "Chronic Hypertension and Pregnancy,  
CHAP Clinical Trial" 11/06/14, 1/14/15, 3/10/15

Vermont Oxford Neonatal Network: Board of Directors 2015-

National Institute of Health, NICHD Human Placental Project meeting April 2016

**Societies:** Council of University Chairs in Obstetrics and Gynecology 2012-  
Society for Maternal Fetal Medicine 1988-  
Society for Reproductive Investigation 1994-  
Perinatal Research Society 1996-  
New England Perinatal Society 1987-  
American College of Obstetrics and Gynecology 1988-  
International Society of Ultrasound in OB/GYN 1991-2010  
American Institute of Ultrasound in Medicine 1989-2002  
Vermont State Medical Society 1993-99, 2002-  
Physicians for Social Responsibility 1978-1984  
American Medical Student Association 1978-1983

**Associate Editor:** Reproductive Sciences 2020-22

**Reviewer, Ad Hoc; Journals**

- |                               |  |
|-------------------------------|--|
| 1) Pediatrics                 | 2) Am J of Obstetrics and Gynecology         |
| 3) Obstetrics and Gynecology  | 4) J of Mat Fetal and Neonatal Med           |
| 5) Am J of Human Biology      | 6) Am J Clinical Nutrition                   |
| 7) Am J of Perinatology       | 8) JAMA                                      |
| 9) J Clin Endocrinol Metab    | 10) JSOG/Reproductive Sciences               |
| 11) Kidney International      | 12) Ultrasound Obstet Gynecol                |
| 13) Gynecol and Obstet Invest | 14) Expert Review of Obstetrics & Gynecology |
| 15) Hypertension in Pregnancy | 16) Hypertension                             |
| 17) Experimental Physiology   |  |

**Reviewer, Ad Hoc; Other**

- 1) Society for Gynecologic Investigation, abstract reviewer
- 2) Hospital for Sick Children Foundation (Toronto, ON)
- 3) Vermont Department of Health "Gestational Diabetes Report"
- 4) American Federation for Medical Research, abstract reviewer

**Grants:**

Peer reviewed research:

ACOG\Meade Johnson: Principle Investigator: Clinical Research Fellowship (P.I. Bernstein)  
\$10,000 Study of Fetal Body Composition 1989

National Institute of Health: Sims Obesity/Nutrition Research Center (P.I. Bernstein)  
Pilot/Feasibility Project  
Prenatal Imprinting of Energy Metabolism in the Fetus  
10/1/92-9/30/95

Medical Center Hospital of Vermont: Children's Miracle Network Grants (P.I. Bernstein)  
Prevention of Low Birth Weight in Vermont  
1/15/93-1/14/95

National Institute of Health: Sims Obesity/Nutrition Research Center (P.I. Danforth)

Named New Investigator  
10/1/93-9/30/95

University of Vermont: Interim Research Support (P.I. Bernstein)  
Prenatal Imprinting of Energy Metabolism in the Fetus  
12/1/95-12/1/96

Department of Obstetrics and Gynecology, University of Vermont (*P.I. Zeigler*)  
Co-Investigator/Mentor: Uterine Artery Flow: Adaptation through the Menstrual Cycle and in  
Early Pregnancy under Normal Conditions  
10/1/96-9/30/98

Fletcher Allen Health Care: Patient Oriented Research Pilot Project Award (*P.I. Zeigler*)  
Co-Investigator/Mentor: Hormonal Correlation of Plasma Volume Expansion through the  
Menstrual Cycle into Early Pregnancy.  
10/1/97-9/30/98

Department of Obstetrics and Gynecology, University of Vermont (P.I. Bernstein)  
Plasma Volume and Peripheral Sympathetic Tone in Women with Variants in  
Angiotensinogen Genotype.  
10/1/98-9/30/01

National Institute of Health (NHLBI) RO1 HL 63101 (P.I. Bernstein)  
Uterine Vascular Response to Steroid Signaling  
7/1/99- 6/30/04

National Institute of Health (NIDA) RO1 DA 14028 (P.I. Higgins)  
Co-investigator: Voucher-based Incentives to Treat Pregnant Smokers  
6/01/01-5/31/06:

National Institute of Health (NCRR) GCRC MO1 RR 109 (P.I. Evans)  
General Clinical Research Center; Research Subject Advocate  
7/01/01- 3/31/06

Department of Obstetrics and Gynecology, University of Vermont (*P.I. Damron*)  
Co-Investigator/Mentor: Plasma Volume, Sympathetic Tone and Hemodynamics.  
10/1/01-6/30/03

National Institute of Health, RO1, AG 021602 (P.I. Toth)  
Collaborator: Effect of Ovarian Suppression on Substrate Metabolism  
12/1/02- 11/30/07

National Institute of Health, RO1, HL 71944 (P.I. Bernstein)  
Pre-pregnancy Phenotype & Predisposition to Preeclampsia  
2/1/04-7/31/09

National Institute of Health, K-30 Clinical Research Training Grant (P.I. Littenberg)  
Internal Advisory Committee University of Vermont  
5/01/05-4/30/12



National Institute of Health (NIDA) RO1 DA 14028 (P.I. Higgins)  
Co-investigator: Voucher-based Incentives to Treat Pregnant Smokers  
7/01/06-6/31/11

National Institute of Health (AR) RO1 AR 0050421 (P.I. Beynon)  
Co-investigator: A case control study of ACL injury risk factors  
9/01/07- 6/30/12

National Institute of Health, NICHD K-12 Women's Reproductive Health Research  
(P.I. Phillippe)  
Chair: Internal Advisory Committee University of Vermont  
9/01/09-7/01/12

National Institute of Health 3RO1 NS045940-06S1 (P.I. Cipolla)  
Neural Environment Cluster Supplement to NS045940-05  
Mechanisms of blood-brain barrier permeability during pregnancy and preeclampsia  
02/01/10-01/31/12

Department of Energy SC 0001753 (P.I. Bernstein)  
University of Vermont Center for Biomedical Imaging  
10/01/10-9/30/12

National Institute of Health, RO1, HL 71944 (P.I. Bernstein)  
Pre-pregnancy Phenotype & Predisposition to Preeclampsia  
7/1/10-6/31/16

National Institute of Health NICHD (P.I. Bernstein)  
K-12 Women's Reproductive Health Research  
7/01/12-5/30/15

National Institutes of Health/DHHS/Food and Drug Administration P-50 (P.I. Higgins)  
Tobacco Center of Regulatory Science (TCORS)  
Vermont Center on Tobacco Regulatory Science  
9/15/13-7/1/16

National Institute of Health (NICHD/CDC) RO1 HD 75669 (P.I. Higgins)  
Co-I: Financial Incentives for Smoking Cessation Among Disadvantaged Pregnant Women  
9/10/13-8/31/18

National Institute of Health (NIGMS) CoBRE P-20 (P.I. Higgins)  
Project Mentor/Co-I: (Phillips) Incentives Targeting Gestational Weight Gain in Overweight  
and Obese Low Income Women  
9/10/13-8/31/18

National Institute of Health /NDS NS045940 (P.I. Cipolla)  
The Role of the Blood Brain Barrier in Seizure During Pregnancy and Preeclampsia  
4/1/14- 3/31/19

National Institute of Health / NIHHLBI RO1 HL141747 (co-PI's Bonney/Gokina)  
Systemic Vascular Remodeling in Females: Effects of the Immune System and  
experience of Pregnancy  
7/1/17-6/30/23

New England Fertility Society/Ferring (PI/mentor)  
The Interaction of Basal Risk, Controlled Ovulation Hyperstimulation and Early  
Pregnancy on Hemostatic Balance.  
1/1/18-12/31/19

National Institutes of Health/DHHS/Food and Drug Administration P-50 (PI Higgins)  
Tobacco Center of Regulatory Science (TCORS)  
Vermont Center on Tobacco Regulatory Science  
9/15/18-7/1/20

National Institute of Health (NHLBI) R61/R33 HL141787 (PI's Bernstein/Orfeo)  
The Interaction of Basal Risk, Pharmacologic Ovulation Induction, Pregnancy and  
Delivery on Hemostatic Balance  
4/1/18-3/31/23 Active 15% effort

National Institute of Health (NIGMS) CoBRE P-20 (P.I.'s Cushman/Nelson)  
Vermont Center for Cardiovascular and Brain Health  
Project Mentor/ (PD Peters) Predictors of Post-Stroke Functional Recovery  
8/1/20-3/31/24 4% effort

Cardiovascular Research Institute of Vermont (PI Barker)  
Endogenous Clot Formation Potential in the Late Pregnant and Postpartum Woman  
7/1/20-6/30/21 Role-Mentor 1% effort

#### Equipment/ Supply/ Travel

Society of Perinatal Obstetricians: Sam Seeds Fellowship 1990  
\$3,000 Study of Doppler Velocimetry

University of Vermont: Research Advisory Council  
Capital Equipment Grant: EM SCAN, T.O.B.E.C. Unit \$6,305 12/1/92

Perinatal Research Society  
NICHD sponsored Young Investigator Award 10/95

Fertility Technologies/Quidel  
Co-Investigator/Mentor: Uterine Artery Flow: Adaptation through the Menstrual  
Cycle and in Early Pregnancy under Normal Conditions.  
\$ 5,000 10/1/96-10/1/98 Research Supply Grant

Acuson Corporation  
Principal Investigator: Unrestricted Research Funding \$1,000 1/1/97

Department of Obstetrics and Gynecology, University of Vermont  
Ultrasound equipment upgrade. \$ 10,000 10/1/99

Select Medical Systems Williston, VT  
Endometrial biopsy equipment 3/1/00-6/30/04

**Research Trainees:**

**Undergraduates**

Rucquoi M. Fetal growth modeling 1994

John L. Cardiovascular response to volume challenge in young women 2014

**Medical Students:**

Fasking J. In Utero Accretion of Fetal Fat in Fetuses of Diabetic Mothers. 1990

Austin J. Placental histology in patients with elevated maternal serum alpha-fetoprotein: Association with placental sonolucencies and feto-maternal hemorrhage. 1991

Ing E. Maternal hemoglobin concentration and its association with birth weight in newborns of mothers with preeclampsia 1995

Phillips J. Seasonal Variation in Preeclampsia based upon Timing of Conception 2004

Choate M. Association of vaginal blood flow response to erotic stimulus and markers of cardiovascular risk. 2010

Brown A. Association of smoking cessation with blood pressure changes during pregnancy 2014-6

Hermel D. Changes in cerebral blood flow associated with pregnancy in prior preeclamptics 2013-5

Supple J. Prediction of blood pressure changes in pregnancy based on prepregnancy sympathetic responsiveness 2015

Woodruff H. Arterial stiffness and distensibility association with recurrent preeclampsia 2018-21

Barker E. The role of microvesicles in peripartum thrombotic balance 2020-1

**Residents:Ob/Gyn**

Watson M. Brain death and prolonged fetal survival 1988

Wall B. Reproducibility of resident acquired fetal morphometrics 1994

Mohs G. The case for "Hybrid fetal growth curves": A population based estimation of normal fetal size across gestational age 1994-5.

Blake K. Evidence that normal fetal growth is not continuous 1995

Plociennik K. The impact of maternal smoking on fetal growth and body composition 1995

Stahle S. The impact of maternal smoking on fetal growth and body composition 1996

Flaherty K Angiotensinogen genotype and fetal bradycardia following intrapartum spinal analgesia 2002-3

Thibault A The effect of pregnancy on arterial compliance 2003-4

Janowiak M. Birth weight shows a bimodal distribution in newborns of near term and term preeclamptic mothers 2005-6

Sullivan C. The association of maternal blood pressure and cardiac output with markers of endothelial activation prior to and during pregnancy 2006-7.

Frenn R. Influence of maternal age on birth outcomes in smoking mothers 2008

Garol N. In-vivo estradiol stimulates uterine VEGFR2 expression in human endometrium: A randomized controlled trial 2011-13

Cooper K Maternal uterine blood flow and its independent effect on fetal growth in offspring of smoking mothers 2013-4

**Clinical Fellows:**

Konchak P. Maternal Fetal Medicine Abnormal uterine artery Doppler velocimetry predicts adverse obstetric outcome in women with elevated maternal serum alpha-fetoprotein 1993-4

Zeigler W. Reproductive Endocrinology and Infertility Regional hemodynamic adaptation through the menstrual cycle. 1995-7

Silver R. Neonatology/Perinatology Amniotic fluid glycine/valine Ratio and neonatal morbidity in fetal growth restriction 1996-7

Fry AG. Maternal Fetal Medicine Models for defining third trimester fetal weight gain 1999-2001

Whitsel A. Maternal Fetal Medicine Plasma volume and sympathetic tone in nulligravid women. 2000-2

Damron D. Maternal Fetal Medicine Uterine arterial response to alpha-adrenergic blockade 2001-3

Jones CW. Maternal Fetal Medicine Sildenafil and uterine blood flow in nonpregnant nulliparous women 2007-8

Amburgey O. Maternal Fetal Medicine MRI quantification of brain water diffusion in nonpregnant, pregnant, and postpartum women 2007-9

Wulfkuhle K. Maternal Fetal Medicine Tissue factor dependent and independent thrombin generation across pregnancy 2010-1

Davenport WB. Reproductive Endocrinology and Infertility In-Vivo estradiol effects on VEGF receptor-1 and receptor-2 expression in human endometrium 2012-4.

Morris E. Maternal Fetal Medicine. Cardiovascular profile in women with a history of HELLP syndrome versus preeclampsia prior to and during subsequent pregnancy 2013-5.

Cooper K. Maternal Fetal Medicine The association of vascular stiffness with cardiac dysfunction in young health women of reproductive age. 2016-2018

Chiware, T. Reproductive Endocrinology and Infertility Influence of ART and ovulation induction on coagulation balance 2017-2019; Bone mineral density in women with preeclampsia. 2017-19

Kulkarni A. Maternal Fetal Medicine Placental abnormalities and ER stress response associated with arterial under perfusion. 2019-

Psoinos R. Maternal Fetal Medicine Prepregnancy inflammation, subclinical cardiovascular function and subsequent pregnancy outcome. 2020-

**MS students:**

Pantazelos M. Medical Sciences Boston University College of Medicine Seasonality of human reproduction 1997-8

Howe L. Clinical and Translational Science, Boston University College of Medicine Evaluating the effect of prior preeclampsia and interval between pregnancies on subsequent pregnancy blood pressure 2014-15

**PhD students:**

McBride C. Clinical and Translational Science, University of Vermont College of Medicine. The effect of maternal hypertension on neonatal outcome 2010-16

Hoppe K. Clinical and Translational Science, University of Wisconsin College of Medicine. Blood pressure adaptation in pregnancy and postpartum. 2020-

**Post-Docs:**

Hale Sarah. Evidence of Vascular Dysfunction Prior to Pregnancy in Women who Subsequently Develop Preeclampsia

**Publications: (Peer reviewed, *italics* indicates co-author in training)**

1. Catalano PM, Bernstein IM, Wolfe RR, Sims EAH. "Subclinical Abnormalities of Glucose Metabolism in Former Gestational Diabetics." Am J Obstet Gynecol 1986;155:1255-62.
2. Bernstein IM, *Watson M*, Simmons GM, Catalano PM, Davis G, Collins R. "Maternal Brain

Death and Prolonged Fetal Survival." *Obstet Gynecol* 1989;74:434-437.

3. Bernstein IM, Capeless EL. "Elevated Maternal Serum Alpha-fetoprotein and Hydrops Fetalis in association with Parvovirus B-19 Infection." *Obstet Gynecol* 1989;74:456-7.
4. Bernstein IM, Catalano PM. "Ketoacidosis in Pregnancy Associated with the Parenteral Administration of Terbutaline and Betamethasone." *J Reprod Med* 1990;35:818-820.
5. Bernstein IM, Catalano PM. "Sonographic Estimation of Fetal Body Composition in Children of Diabetic Mothers." *Investig Radiol* 1991;26(8):722-6.
6. Bernstein IM, DeSouza MM, Copeland KC. "IGF-I in Substrate Deprived Growth Retarded Fetal Rats." *Pediat Res* 1991;30(2):154-7.
7. Catalano PM, Vargo KM, Bernstein IM, Amini SB. "Incidence and Risk Factors Associated with Abnormal Post Partum Glucose Tolerance in Women with Gestational Diabetes." *Am J Obstet Gynecol* 1991;165:914-9.
8. Bernstein IM, Barth RA, Miller R, Capeless EL. "Elevated Maternal Serum Alpha-fetoprotein: Association with Placental Sonolucencies, Fetal-Maternal Hemorrhage, Vaginal Bleeding and Pregnancy Outcome in the Absence of Fetal Anomalies." *Obstet Gynecol* 1992;79:71-4.
9. Bernstein IM, Rhodes S, Stirewalt WS. "Amniotic Fluid and Plasma Glycine/Valine Ratios in Substrate Deprived Growth Retarded Fetal Rats: A Potential Metabolic Marker." *J Develop Physiol* 1992;17:277-81.
10. Bernstein IM, Catalano PM. "Influence of Fetal Fat on the Ultrasound Estimation of Fetal Weight in Diabetic Mothers." *Obstet Gynecol* 1992;79:561-3.
11. Bernstein IM, Meyer MC, Clemmons JJ. "Improvement of Fetal Umbilical and Aortic Waveforms Despite Persistent Placental Disease." *Maternal Fetal Medicine* 1993;2:129-32.
12. Bernstein IM, Meyer MC, Capeless EL. "Fetal Growth Charts": A Comparison of Cross-sectional Ultrasound Examination with Birth Weight. *Maternal Fetal Medicine* 1994;3:182-6.
13. Glock JL, Bernstein IM, Brumsted JR. "A Conservative Surgical Approach to Retained Placenta in the Second Trimester." *Internat J Obstet Gynecol* 1994;45:165-7.
14. Bernstein IM, Catalano PM. "Risk Factors for Cesarean Section in Mothers with Gestational Diabetes." *Obstet Gynecol* 1994;83:462-5.
15. Bernstein IM, Rhodes S, Stirewalt WS. "Amniotic Fluid Glycine/Valine Ratio is Elevated in Fetuses with Growth Retardation". *Maternal Fetal Medicine* 1994;3:251-4.
16. Bernstein IM, Blake K, Wall B, Badger G. "Evidence that Normal Fetal Growth can be Noncontinuous." *Maternal Fetal Medicine* 1995;4:197-201.
17. Konchak PS, Bernstein IM, Capeless EL. "Abnormal Uterine Artery Doppler Velocimetry Predicts Adverse Obstetric Outcome in Women with Elevated Maternal Serum Alpha-fetoprotein"

Am J Obstet Gynecol 1995;173:1115-9.

18. *Geifman-Holtzman O*, Bernstein IM, Capeless EL, Hawley P, Specht LA, Bianchi DW. "Increase in Fetal Breech Presentation in Female Carriers of Duchenne Muscular Dystrophy Carriers." Am J Human Genetics 1997;73:276-7.
19. Bernstein IM, *Mohs G*, *Rucquoi M*, Badger G. "The Case for "Hybrid Fetal Growth Curves": A Population Based Estimation of Normal Fetal Size Across Gestational Age" Maternal Fetal Medicine 1996;5:124-7.
20. *Geifman-Holtzman O*, Bernstein IM, Berry SM, Holtzman EJ, Vadnais TJ, DeMaria MA, Bianchi DW. "Fetal Rh(D) Genotyping from Fetal Cells Flow Sorted from Maternal Blood. Am J Obstet Gynecol 1996;174:818-22.
21. *Geifman-Holtzman O*, Bernstein IM, Berry SM, Bianchi DW, Holtzman EJ. Rapid Molecular Determination of Fetal Rhesus E Type. Prenatal Diagnosis 1996;16:489-93.
22. Bernstein IM, Goran MI, Amini S, Catalano PM. "Differential Growth of Fetal Tissues in the Second Half of Gestation" Am J Obstet Gynecol 1997;176:28-32.
23. *Leaphart L*, Bernstein IM, *Broome J*, Welander C, Schapiro H. "Placenta Percreta with Bladder Involvement: A Role For Conservative Management " Obstet Gynecol 1997;89:834-5.
24. Bernstein IM, Horbar J, Badger G, Golan A, Ohlsson A, for the Vermont Oxford Neonatal Network "Morbidity and Mortality in Growth Restricted Very Low Birth Weight Newborns" Am J Obstet Gynecol 2000;182:198-206.
25. Viscomi CM, *Wilson J*, Bernstein IM "Anesthetic Management of a Laboring Parturient with an Incompletely Resected Cerebral Arteriovenous Malformation" Regional Anesthesia 1997;22(2):192-7.
26. Bernstein IM, Goran MI, Copeland KC. "Maternal Insulin Resistance and Cord Blood Peptides: Relationships to Neonatal Size at Birth" Obstet Gynecol 1997;90:780-3.
27. Bernstein IM, *Silver R*, Nair KS, Stirewalt WS. "Amniotic Fluid Glycine/Valine and Neonatal Morbidity in Fetal Growth Restriction" Obstet Gynecol 1997;90:933-7.
28. *Geifman-Holtzman O*, Bernstein IM, Holtzman EJ. Identification of Fetal Rhc Genotype from Maternal Blood. Obstet Gynecol 1998;91:506-10.
29. Bernstein IM, *Ziegler W*, Stirewalt WS, Brumsted J, Ward K. Angiotensinogen Genotype and Plasma Volume in Nulligravid Women. Obstet Gynecol 1998;92:171-173.
30. Bernstein IM, Meyer MC, Osol G, Ward K. Intolerance to Volume Expansion: A Theorized Mechanism for the Development of Preeclampsia. Obstet Gynecol 1998;92:306-8.
31. *Ziegler WF*, Bernstein IM, Badger G, Leavitt T. Regional Hemodynamic Adaptation through the Menstrual Cycle. Obstet Gynecol 1999;94:695-99.

32. Fry AG, Bernstein IM, Badger GJ. Three Models for Defining Third Trimester Fetal Weight Gain. *J Maternal Fetal and Neonatal Med.* 2002;12:247-53.
33. Bernstein IM, Ziegler WF, Badger G, Leavitt T. Uterine Artery Hemodynamic Adaptation through the Menstrual Cycle into Early Pregnancy. *Obstet Gynecol* 2002;99:620-4.
34. Bernstein IM, Plociennik K, Stahle S, Badger GJ, Secker-Walker R. The Impact of Maternal Smoking on Fetal Growth and Body Composition. *Am J Obstet Gynecol* 2000;183 :883-7.
35. Bernstein IM, Ziegler W, Badger GJ. Plasma Volume Expansion in Early Pregnancy. *Obstet Gynecol* 2001;97:669-73.
36. Bernstein IM, Shapiro R, Whitsel A, Schonberg A. Relationship of Plasma Volume to Sympathetic Tone in Nulliparous Women. *Am J Obstet Gynecol* 2003;188:938-42.
37. Powner DJ, Bernstein IM. Extended Somatic Support for Pregnant Women after Brain Death. *Critical Care Medicine* 2003;31(4):1241-8.
38. Sartini D, Sallam R, Bernstein I, Huber S. Correlation between serum estradiol in the follicular phase of the ovarian cycle and decay accelerating factor (DAF) expression on red blood cells and coxsackievirus B3 induced hemagglutination in young cycling women. *Journal of Reproductive Immunology* 2004;51:180-7.
39. Damron D, Bouchard B, Shapiro R, Schonberg A, Bernstein IM. Platelet Activation, Sympathetic Tone and Plasma Volume in Nulligravid Women of Reproductive Age. *Obstet Gynecol* 2004;103:931-6.
40. Damron D, Bernstein IM, Shapiro R, Schonberg A. Uterine Blood Flow Response to Alpha-Adrenergic Blockade in Nulligravid Women of Reproductive Age. *J Soc Gynecol Invest* 2004;11:388-92.
41. Phillips JK, Bernstein IM, Mongeon J, Badger GJ. Seasonal Variation in Preeclampsia based upon Timing of Conception. *Obstet Gynecol* 2004;104;1015-20.
42. Bernstein IM, Thibault A, Mongeon J, Badger GJ. The Effect of Pregnancy on Arterial Compliance. *Obstet Gynecol* 2005;105:621-5.
43. Beynnon B, Bernstein IM, Belisle A, Brattbakk B, Devanny P, Risinger R, Durant D. The Effect of Estrogen and Progesterone on Knee and Ankle Joint Laxity. *Am J Sports Med* 2005;33:1298-1304.
44. Higgins ST, Heil SH, Solomon LJ, Bernstein IM, Lussier JP, Abel RL, Lynch ME, Badger GJ. A Pilot Study on Voucher-Based Incentives to Promote Abstinence from Cigarette Smoking During Pregnancy and Postpartum. *Nicotine and Tobacco Research* 2004;Dec (6):1015-20.
45. Beynnon BD, Johnson RJ, Braun S, Sargent M, Bernstein IM, Vacek PM The relationship between the phase of menstrual cycle and anterior cruciate ligament injury: A case-control study of recreational alpine skiers. *The American Journal of Sports Medicine* 2006;34:757-64

46. Higgins ST, Heil SH, Badger GJ, Mongeon JA, Solomon LJ, McHale L, Bernstein IM. Biochemical verification of smoking status in pregnant and recently postpartum women. *Experimental and Clinical Psychopharmacology* 2007;15:58-66.
47. Heil SH, Higgins ST, Mongeon JA, Bernstein IM Characterizing Nicotine Withdrawal In Pregnant Cigarette Smokers. *Nicotine and Tobacco Research* 2006;14:165-70.
48. Solomon LJ, Higgins ST, Heil SH, Badger GJ, Mongeon JA, Bernstein IM. Psychological Symptoms Following Smoking Cessation in Pregnant Smokers. *J Behav Med* 2006;29:151-60.
49. Bernstein IM, Mongeon JA, Badger GJ, Solomon L, Heil SH, Higgins ST Maternal Smoking and its Association with Birth Weight *Obstet Gynecol* 2005;106(5):986-92.
50. Higgins ST, Heil SH, Dumeer AM, Thomas CS, Solomon LJ, Bernstein IM Smoking Status in the Initial Weeks of Quitting as a Predictor of Smoking-Cessation Outcomes in Pregnant Women. *Drug and Alcohol Dependence* 2006 Nov 8;85(2):138-41.
51. Solomon LJ, Higgins ST, Heil SH, Badger GJ, Thomas CS, Bernstein IM. Predictors of Postpartum Relapse to Smoking. *Drug and Alcohol Dependence* 2007;90:224-7.
52. Sueblinvong V, Loi R, Eisenhauer PL, Bernstein IM, Suratt BT, Spees JL and Weiss DJ Derivation of Lung Epithelium From Human Cord Blood-Derived Mesenchymal Stem Cells. *Am J Respir Crit Care Med*. 2008 Apr 1;177(7):701-11.
53. Heil S, Higgins S, Bernstein IM , Solomon L, Thomas C, Badger G, Lynch ME. Effects of Voucher-Based Incentives on Abstinence from Cigarette Smoking and Fetal Growth Among Pregnant Women *Addiction*, 2008;108:1009-1018.
54. Buhimschi IA, Zhao G, Funai E, Harris N, Sasson IE, Bernstein IM, Saade GR, Buhimschi CS. Specific Urinary Fragments of Serpina-1 and Albumin are Proteomic Biomarkers of Preeclampsia. *AJOG* 2008;199:551-3.
55. Jones CW, Mandala M, Baron C, Bernstein I, Osol G Mechanisms Underlying Maternal Venous Adaptation in Pregnancy *Reproductive Sciences* 2009;16(6):596-604
56. Linares Scott TJ, Heil SH, Higgins ST, Badger GJ, Solomon LJ, Bernstein IM Depressive symptoms predict smoking status among pregnant women *Addictive Behaviors* 2009;34:705-8.
57. Higgins ST, Heil SH, Badger GJ, Skelly JM, Solomon LJ, Bernstein IM Educational disadvantage and cigarette smoking during pregnancy *Drug and Alcohol Dependence* 2009;104S:S100-S105.
58. Amburgey OA, Ing E, Badger GJ, Bernstein IM Maternal hemoglobin concentration and its association with birth weight in newborns of mothers with preeclampsia *Journal of Maternal Fetal and Neonatal Medicine* 2009 Sep;22(9):740-4..
59. Hale SA, Schonberg A, Badger GJ, Bernstein IM Relationship between Prepregnancy and Early Pregnancy Uterine Blood Flow and Resistance Index *Reproductive Sciences* 2009;16:1091-96.



60. *Phillips JK, Janowiak M, Badger GJ, Bernstein IM* Evidence for Distinct Preterm and Term Phenotypes of Preeclampsia *J Mat Fetal Neo Med* 2010;23(7):622-626 PMID 2885458.
61. *Amburgey OA, Reeves SA, Bernstein IM, Cipolla MJ* Resistance Artery Adaptation to Pregnancy Counteracts the Vasoconstricting Influence of Plasma from Normal Pregnant Women *Reprod Sci* 2010;17:29-39.
62. *Bernstein IM, Damron DM, Schonberg A, Shapiro R.* The Relationship of Plasma Volume, Sympathetic Tone and Pro-Inflammatory Cytokines in Young Healthy Nonpregnant Women. *Reprod Science* 2009;16:980-5.
63. *Hale SA, Jones CW, Osol G, Schonberg A, Badger GJ, Bernstein IM* Sildenafil Increases Uterine Blood Flow in Nonpregnant Nulliparous Women *Reproductive Sciences* 2010 17: 358-365.
64. *Higgins TM, Higgins ST, Heil SH, Badger GJ, Skelly J, Bernstein IM, Solomon LJ, Washio J, Preston A.* Effects of Cigarette Smoking Cessation on Breastfeeding Duration *Nicotine & Tobacco Research* 2010 May;12(5):483-8
65. *Higgins ST, Bernstein IM, Washio Y, Badger GJ, Skelly J, Heil SH, P, Higgins T, Solomon LJ* Effects of Smoking Cessation with Voucher-Based Contingency Management on Birth Outcomes *Addiction* 2010 Nov;105(11):2023-30.
66. *Washio Y, Higgins ST, Heil SH, Badger GJ, Skelly J, Bernstein IM, Solomon LJ, Lynch ME, Hanson JD* Examining Maternal Weight Gain During Contingency-Management Treatment for Smoking Cessation Among Pregnant Women *Drug and Alcohol Dependence* 2011 Mar 1;114(1):73-6
67. *Hale S, Choate M, Schonberg A, Shapiro R, Badger G, Bernstein IM* Pulse Pressure and Arterial Compliance Prior to Pregnancy and the Development of Preeclampsia *Reprod Sci* 2010;17(9):871-7.
68. *Amburgey OA, Chapman AC, May V, Bernstein IM and Cipolla MJ* Plasma from preeclamptic women increases blood-brain barrier permeability: role of vascular endothelial growth factor signaling *Hypertension*. 2010 Nov;56(5):1003-8.
69. *Gaalema DE, Higgins ST, Bradstreet MP, Heil SH, Bernstein IM* Using NicAlert® Strips to Validate Smoking Status Among Pregnant Cigarette Smokers *Drug and Alcohol Dependence* 2011;119:130-3.
70. *Higgins ST, Washio Y, Heil SH, Solomon LJ, Higgins TM, Bernstein IM.* Financial Incentives for Smoking Cessation Among Pregnant and Newly Postpartum Women *Preventive Medicine e-pub* 2011 Dec 27 *Prev Med*. 2012 Nov;55 Suppl:S33-40..
71. *Hale SA, Sobel B, Benvenuto A, Schonberg A, Badger GJ and Bernstein IM* Coagulation and Fibrinolytic System Protein Profiles in Women with Normal Pregnancies and Pregnancies Complicated by Hypertension *Pregnancy Hypertension* 2012;2:152-7. PMID 23375860

72. Gaalema DE, Higgins ST, Pepin CS, Heil SH, Bernstein IM Illicit Drug Use Among Pregnant Women Enrolled in Treatment for Cigarette Smoking *Nicotine Tob Res* 2013 May;15(5):987-91
73. McLean K, Bernstein IM, Brummel-Ziedins K. Tissue factor dependent thrombin generation across pregnancy *AJOG* 2012 Aug;207(2):135.e1-6 Epub 2012 Jun 11.PMID: 22840726.PMC pending
74. Hale SA, Badger GJ, McBride C, Bernstein IM Evidence of Vascular Dysfunction Prior to Pregnancy in Women who Subsequently Develop Preeclampsia *Pregnancy Hypertension* 2013;3:140-5
75. McBride C, Hale SA, Subramanian M, Bernstein IM Physiological Assessment in Young Women with a Family History for Hypertension, Myocardial Infarction or Stroke *Reprod Sciences* 2014;21(4):509 - 516.
76. Schreurs MPH, Hubel C, Bernstein IM, Jeyabalan A, Cipolla MJ Increased Oxidized Low-Density Lipoprotein causes Blood-Brain Barrier disruption in Early-Onset Preeclampsia through LOX-1. *FASEB J.* 2013 Mar;27(3):1254-63. doi: 10.1096/fj.12-222216. Epub 2012 Dec 10 PMC pending
77. Foley JH, Orfeo T, Undas A, McLean KC, Bernstein I, Rivard G-E, Mann KG, Everse SJ and Brummel-Ziedins KE. From principle to practice: bridging the gap in patient profiling *PLoS One.* 2013;8(1):e54728. doi: 10.1371/journal.pone.0054728. Epub 2013 Jan 25. PMC3556038
78. Vurbic D, Higgins ST, McDonough SR, Skelly JM and Bernstein IM Maternal Body Mass Index Moderates the Influence of Smoking Cessation on Breastfeeding *Nicotine and Tobacco Research* 2014 May;16(5):527-35.
79. Archer DF. et al. A statement on abortion by 100 professors of obstetrics: 40 years later *One Hundred Professors of Obstetrics and Gynecology Am J Obstet Gynecol* 2013;209:193-9.
80. Buhimschi IA, Nayeri UA, Zhao G, Shook LL, Pensalfini A, Funai EF, Bernstein IM, Glabe CG, Buhimschi CS. Protein Misfolding, Urine Congophilia, Oligomeric State Immunoreactivity and Defective Amyloid Precursor Protein Processing in Preeclampsia. *Science Translational Medicine* 2014 Jul 16;6(245) PMID: 25031267
81. Bernstein IM, Hale SA, Badger GJ, McBride C. Cardiovascular Dynamics are Different in Nonpregnant Previous Preeclamptic Women Compared with Nulliparous Controls. *Pregnancy Hypertension* 2016;6:320-6.
82. Hypertension in Pregnancy: Executive Summary: Report of the American College of Obstetrics and Gynecologists' Task Force on Hypertension in Pregnancy *Obstet Gynecol* 2013;122:1122-31.
83. Phillips JK, McBride C, Hale S, Solomon R, Bernstein IM. Examination of Prepregnancy and Pregnancy Urinary Protein Levels in Healthy Nulliparous Women. *Reproductive Sciences* 2017;24(3):407-12.

84. *Tourville TW*, Shultz SJ, Vacek PM, Knudsen EJ, Bernstein IM, Tourville KJ, Hardy DM, Slauterbeck JR, Johnson RJ, Beynon BD. Evaluation of an Algorithm to Predict Menstrual-Cycle Phase at the Time of Injury. *J Athl Train*. 2016;51(1):47-56.
85. *Morris E*, Hale SA, Badger GJ, Magness RR, Bernstein IM. Pregnancy Induces Persistent Changes in Vascular Compliance in Primiparous Women. *AJOG* 2015 May;212(5):633
86. Heil SH, Herrmann ES, Badger GJ, Solomon LJ, Bernstein IM, Higgins ST Examining the Timing of Changes in Cigarette Smoking Upon Learning of Pregnancy Preventive Med 2014;68;58-61
87. Osol G and Bernstein IM. Preeclampsia and Maternal Cardiovascular Disease: Consequence or Predisposition? *J Vasc Res* 2014;51:290-304 (DOI: 10.1159/000367627)
88. *McBride CA*, Bernstein IM, Badger GJ, Soll RF. Infants of Hypertensive Mothers Born Between 22+0 and 29+6 Week Gestation Have Decreased Mortality Compared to Infants Born to Non-Hypertensive Mothers. *Pregnancy Hypertension* 2015;5(4):362-6.
89. Higgins ST, Washio Y, Lopez AA, Heil SH, Solomon LJ, Lynch ME, Hanson JD, Higgins TM, Skelly JM, Redner R, Bernstein IM. Examining Two Different Schedules of Financial Incentives for Smoking Cessation Among Pregnant Women. *Preventive Medicine* 2014;68;51-57.
90. *Howe L*, Badger G, Bernstein IM. Effect of Pregnancy Interval on Second Pregnancy Blood Pressure Following Prior Preeclampsia *Reprod Sci*. 2018 May;25(5):727-732.
91. *Brown A*, Bernstein IM, Higgins S, Heil S, Badger G. The Effect of Maternal Smoking Cessation on Blood Pressure During Pregnancy. in progress.
92. Phillips JK, McBride CA, Morris EA, Crocker AM, Bernstein IM, Adiposity, but not Obesity, is Associated with Arterial Stiffness in Young Nulliparous Women *Reprod Sci*. 2018 Jun;25(6):909-915.
93. Sites CK, Wilson D, Barsky M, Bernson D, Bernstein IM, Boulet S, Zhang Y. Embryo Cryopreservation and Preeclampsia Risk *Fertil Steril*. 2017 Nov;108(5):784-790.
94. Phillips J, King S, Bernstein I, Skelly J, Higgins S. Associations of maternal obesity and smoking status with perinatal outcomes. *J Matern Fetal Neonatal Med*. 2018 Jun;31(12):1620-1626.
95. McBride CA, Bernstein IM, Badger GJ, Soll RF. Maternal Hypertension and Mortality in Small for Gestational Age 22 to 29 Week Infants. *Reprod Sci*. 2018 Feb;25(2):276-280.
96. *Cooper K*, Bernstein IM, Skelly J, Heil S, Higgins S. The Independent Contribution of Uterine Blood Flow to Birth Weight and Body Composition in Smoking Mothers. *Am J Perinatol*. 2018 Apr;35(5):521-526.
97. Ehret DY, Greenberg L, Edwards E, Bernstein IM, Buzas J, Soll RF, Horbar J. Use of Antenatal Steroids and Survival Among Infants Born 22 to 25 weeks Gestational Age *JAMA Network Open* 2018 Oct 5;1(6).

98. *Cooper K, Barrett T, McBride C, Steiner J, Lewinter M, Bernstein IM, Subclinical Cardiac Stiffness is Associated with Arterial Stiffness in Healthy Young Nulligravid Women: Potential Links to Preeclampsia Preg Hypertension 2019 Oct;18:49-54*
99. *Phillips JK, Roberts L, Skelly J, Bernstein IM, Higgins ST Combined Financial Incentives and Behavioral Weight Management to Enhance Adherence with Gestational Weight Gain Guidelines: a Randomized Controlled Trial," AJOG Maternal-Fetal Medicine. Mar 2019. 1 (1): 42-49.*
100. *Williams FB, McBride CA, Badger GJ, Bernstein IM Measures of Adiposity Correlate with Renal Filtration in Young Nulliparous Women: An Observational Cohort Study. Obes Sci Pract. 2019 Dec 17;6(1):70-75 Nov 2019*
101. *Psoinos RBC, Morris EA, McBride CA, Bernstein IM Association of pre-pregnancy subclinical insulin resistance with cardiac dysfunction in healthy nulliparous women Pregnancy Hypertension 2021;26:11-16*
102. *Osol G, Bernstein IM. Shear Stress Normalization as a Physiological Mechanism Underlying Maternal Gestational Uterine Vascular Remodeling. submitted Circulation*
103. *Kulkarni A, Bernstein IM, McBride CJ, Nallasamy A, Sybenga A. The association of Endoplasmic Reticulum (ER) stress with labor and evidence of placental vascular malperfusion. In preparation*
104. *McBride CA, Bernstein IM, Sybenga AB, McLean KC, Orfeo T, Bravo MC. Placental Maternal Vascular Malperfusion is Associated with Prepregnancy and Early Pregnancy Maternal Cardiovascular and Thrombotic Profiles submitted Reproductive Medicine.*

### **Publications (Book chapters)**

1. *Copeland KC, Colletti RB, Poehlman ET, Bernstein IM, Devlin JT, Danforth E. "IGF-I in Nutritional Assessment." in Recent Trends in Nutrition (ed.) Copalan C. Oxford University Press 1993;194-207.*
2. *Bernstein IM, Gabbe SG. "Intrauterine Growth Restriction" in Obstetrics: Normal and Problem Pregnancies (eds.) Gabbe SG, Niebyl JR, Simpson JL. Churchill Livingstone, Third Edition, New York 1996;863-887.*
3. *Bernstein IM, Badger GJ. "The Pattern of Normal Fetal Growth" in Saltation and Stasis in Human Growth and Development: Evidence, Methods, and Theory.(ed) Lampl M. Smith-Gordon, London UK. 1999;27-32.*
4. *Rathmell JP, Viscomi CM, Bernstein IM "Managing Pain During Pregnancy and Lactation" in Practical Management of Pain. (ed) Raj PP. Mosby, St Louis, Third Edition 2000;196-211.*
5. *Bernstein IM, Gabbe SG. "Intrauterine Growth Restriction" in Pocket Companion to "Obstetrics: Normal and Problem Pregnancies (eds.) Gabbe SG, Niebyl JR, Simpson JL. Churchill Livingstone, First Edition, Philadelphia, PA 1999;387-401.*

6. Bernstein IM, Reed K, Gabbe SG. "Intrauterine Growth Restriction" in Obstetrics: Normal and Problem Pregnancies (eds.) Gabbe SG, Niebyl JR, Simpson JL. Churchill Livingstone, Fourth Edition, Philadelphia, PA 2001:869-891.
7. Gonzales-Lobato I, Aguilar JL, Rathmell JP, de Leon-Cassasola OA, Plancarte R, Viscomi CM, March Y, Mille JE, Bernstein IM, Velazquez R. "Tratamiento del dolor en situaciones especiales" In Tratado de cuidados y emergencias (Spanish) (ed) Torres LM, Aran Ediciones S.A. Madrid, Spain, 2001.
8. Wegner E, Bernstein IM. "Operative Vaginal Delivery" in UpToDate CD-ROM and on-line resource <http://www.uptodate.com/> for Obstetrics. 2001-present.
9. Bernstein IM, Gabbe SG, Reed KL "Intrauterine Growth Restriction" in Pocket Companion to "Obstetrics: Normal and Problem Pregnancies (eds.) Gabbe SG, Niebyl JR, Simpson JL. Churchill Livingstone, Second Edition, Philadelphia, PA 2002:519-535.
10. Rathmell JP, Viscomi CM, Bernstein IM. "Obstetrics": in Pain Medicine: A Comprehensive Review, (ed) Raj, P. Prithvi, Mosby, Second Edition, St Louis, MO 2003;49-61.
11. Rathmell JP, Viscomi CM, Bernstein IM. Managing Pain During Pregnancy and Lactation in: Pain Medicine and Management: Just the Facts (ed) Wallace M and Staats P McGraw Hill First Edition, 2005 pp 225-233.
12. Bernstein, IM Harris C. Trauma and the Acute Abdomen during Pregnancy in: Civetta, Taylor and Kirby's Critical Care, (eds) Gabrielli A, Layon J and Yu M. 4<sup>th</sup> Edition, 2008 pgs 1468-79.
13. Reeves S, Bernstein IM. Optimal Growth Modeling in Seminars In Perinatology (ed) Galan H 2008;32(3):148-53.
14. Bernstein IM, Cipolla MJ. Hemodynamic Contributions to the Pathogenesis of Preeclampsia and Eclampsia. Fetal and Maternal Medicine Review 2008;19:85-104.
15. Reeves S, Bernstein IM. Effects of Smoking on Fetal Growth and Neonatal Size. Expert Reviews in Obstetrics and Gynecology, November 2008, Vol. 3, No. 6, Pages 719-730.
16. Aagaard-Tillery K, Thornburg, KL, Bernstein IM, Washburn DL. *Eunice Kennedy Shriver National Institute of Child Health and Human Development Scientific Vision Workshop on Developmental Origins of Health and Disease Workshop White Paper* May 2011 <http://www.nichd.nih.gov/vision/>
17. Hypertension in Pregnancy: American College of Obstetrics and Gynecologists' Task Force Report on Hypertension in Pregnancy 2013 ISBN 978-1-934984-28-4 [http://www.acog.org/Resources\\_And\\_Publications/Task\\_Force\\_and\\_Work\\_Group\\_Reports/Hypertension\\_in\\_Pregnancy](http://www.acog.org/Resources_And_Publications/Task_Force_and_Work_Group_Reports/Hypertension_in_Pregnancy).
18. Chesley's Hypertensive Disorders in Pregnancy. Roberts J, Taylor R. eds Preconceptional, nutritional and periconceptional pathways to preeclampsia. Bernstein IM, Gernand A Conrad K. 5th

Edition,2021

**Publications (commentaries, letters, other)**

1. Bernstein IM, Riddick DH. "Parenteral Iron Therapy in Pregnancy." International Correspondence Society of Obstetricians and Gynecologists 1990;31(7):3-5
2. Bernstein IM, Mead PB. "Risk Assessment in Pregnant Patients Exposed to Parvovirus B-19 Infection." International Correspondence Society of Obstetricians and Gynecologists 1990;31(11):2-3
3. Bernstein IM, Meyer MC. "Eosinophilia-Myalgia Syndrome and Pregnancy" International Correspondence Society of Obstetricians and Gynecologists 1991;32(7):2-3.
4. Bernstein IM, *Austin J*, Clemmons JJ, Capeless EL. "Placental Histology in Patients with Elevated Maternal Serum Alpha-fetoprotein: Association with Placental Sonolucencies and Feto-Maternal Hemorrhage." Abstract Am J Obstet Gynecol 1991;164(1):289.
5. Bernstein IM. "Ultrasonographic Screening for Trisomy 21" Letter Am J Obstet Gynecol 1992;166:1591.
6. Bernstein IM. "Choroid Plexus Cysts in the Identification of Trisomy 18" Letter Am J Obstet Gynecol 1992;167:293.
7. Bernstein IM. "Fetal Risk with Vaginal Delivery After Cesarean" International Correspondence Society of Obstetricians and Gynecologists 1992;33(3):5-7.
8. Bernstein IM. "Obstetrical Management After Previous Vaginal Trauma" International Correspondence Society of Obstetricians and Gynecologists 1992;33(7):8-9.
9. Bernstein IM, Shapiro H. "Timing of Postpartum Tubal Ligation" International Correspondence Society of Obstetricians and Gynecologists 1993;33(11):4-5.
10. Bernstein IM. "Neonatal Vascular Anomaly and Hemolytic Anemia" International Correspondence Society of Obstetricians and Gynecologists 1993;34(9):1-2.
11. *Pollard J*, Bernstein IM, Cherouney PH. Vaginal Breech Delivery at Term. Letter Obstet Gynecol 1994;83:478-9.
12. *Leaphart L*, Bernstein IM. "Use of Repeated Prenatal Maternal Steroid Injections to Reduce Neonatal Complications" International Correspondence Society in Obstetrics and Gynecology 1995;35:7-8.
13. *Geifman-Holtzman O*, Bernstein IM. "Diagnosis of Fetal Rh Type by Polymerase Chain Reaction" Contemporary Ob/Gyn 1996;41(6):113-127.
14. Bernstein IM, *Blake K*, *Wall B*, Badger G. "Evidence that Normal Fetal Growth can be Noncontinuous" Obstet Gynecol Survey 1996;51:213-4.
15. Bernstein IM, Cherouney PH. "Induction of Labor" International Correspondence Society of

Obstetricians and Gynecologists 1997;38:5.

16. Bernstein IM, Catalano PM. "Fetal Body Composition and Ultrasound Estimation of Fetal Weight". Letter Am J Obstet Gynecol 1998;179:558.
17. Bernstein IM. "Elective Primary Cesarean Section" International Correspondence Society of Obstetricians and Gynecologists 1999;40:2-3.
18. Bernstein IM, Catalano PM. "Determinants of Abdominal Circumference" Am J Obstet Gynecol letter 1999;181:1038.
19. *Damron D*, Bernstein IM. "Oligohydramnios in Term Gestation" International Correspondence Society of Obstetricians and Gynecologists 2001.
20. Bernstein IM. Uterine artery hemodynamic adaptations through the menstrual cycle into early pregnancy. Response to Letter. Obstet Gynecol 2002;100:279.
21. Bernstein IM, Lauria M. Vermont Department of Health and the Vermont Program for Quality in Health Care, Inc., Recommendations for Management of Diabetes in Vermont, 4th Edition, Chapter 15, pages 1-5, Montpelier, Vermont, 2002.
22. Bernstein IM. Newborn size classification and its importance. Pediatrics; Invited Commentary 2003;111:1430-1.
23. Bernstein IM, Mead PB. Proposed clinical evidence criteria: Not applicable to all scientific manuscripts. Letter Obstet Gynecol 2004.
24. Bernstein IM. Assessment of fetal body composition. Correspondence, Ultrasound in Obstetrics and Gynecology. 2004;23(3);310-1.
25. Bernstein IM, Lauria M. Vermont Department of Health and the Vermont Program for Quality in Health Care, Inc., Recommendations for Management of Diabetes in Vermont, 5th Edition, Montpelier, Vermont, 2004.
26. Bernstein IM, Lauria M Chien E. Vermont Department of Health and the Vermont Program for Quality in Health Care, Inc., Recommendations for Management of Diabetes in Vermont, 5th Edition, Chapter 15, pages 1-4, Montpelier, Vermont, 2004.
27. Wegner E, Bernstein IM. Operative Vaginal Delivery Contemporary Ob/Gyn 2005;50:40-53.
28. Bernstein IM. Fetal body composition. Current Opinion in Clinical Nutrition and Metabolic Care. 8(6):613-617, November 2005.
29. Morris EA, Bernstein IM. Endothelial dysfunction and vascular stiffness in women with a previous pregnancy complicated by early or late pre-eclampsia: Invited Commentary. Ultrasound in Obstetrics and Gynecology. 2017 Jan;49(1):22-23.
30. Morris EA, Bernstein IM. Recurrence of Preeclampsia Preeclampsia Foundation Registry Newsletter 2017

**Research Abstracts (peer reviewed):**

1. Bernstein IM, Catalano PM, Sims EAH. "Evidence for Heterogeneity in the Diabetogenic Mechanisms of Gestational Diabetes." New England Perinatal Society, Woodstock, Vermont 1983
2. Catalano PM, Bernstein IM, Wolfe RR, Robbins DC, Sims EAH, Mann LI. "Impairment of Carbohydrate Metabolism in Patients who have had Gestational Diabetes" Society for Gynecologic Investigation San Francisco, California 1984
3. Bernstein IM, Capeless EL. "Elevated Maternal Serum Alphafetoprotein in association with Placental Sonolucencies, Fetomaternal Hemorrhage and Pregnancy Outcome in the Absence of Fetal Anomalies." Society of Perinatal Obstetricians, New Orleans, La. 1989
4. Bernstein IM, Catalano PM. "Sonographic Estimation of Fetal Body Composition in Diabetic Pregnancy." Society of Perinatal Obstetricians, New Orleans, La. 1989
5. Bernstein IM, Copeland KC, DeSouza MM. "Insulin-Like Growth Factor-I in Growth Retarded Fetal Rats." Society of Perinatal Obstetricians Houston, Texas 1990
6. Bernstein IM, Stirewalt WS. "Amniotic Fluid Amino Acids in Growth Retarded Fetal Rats." Society for Gynecologic Investigation, St. Louis, Missouri. 1990
7. Bernstein IM, Meyer MC. "Subacute Responsiveness of Fetal Umbilical and Aortic Velocimetry in a Mother with Complex Cyanotic Congenital Heart Disease." International Perinatal Doppler Society, Los Angeles, CA. 1990
8. Bernstein IM, Austin J, Clemmons JJ, Capeless EL. "Placental Histology in Patients with Elevated Maternal Serum Alphafetoprotein: Association with Placental Sonolucencies and Feto-Maternal Hemorrhage." Society of Perinatal Obstetricians, San Francisco CA. 1991
9. Vargo KM, Amini S, Bernstein IM, Catalano PM. "Incidence and Risk Factors Associated with Abnormal Postpartum Glucose Tolerance in Women with Gestational Diabetes." Society of Perinatal Obstetricians San Francisco CA. 1991
10. Bernstein IM, Catalano PM. "Overestimation of Fetal Weight by Ultrasound: A Physiologic Explanation." Society for Gynecologic Investigation San Antonio TX 1991
11. Meyer M, Bernstein IM, Guttmacher A. "Fetal Overgrowth, Pulmonic Stenosis, and Lethal Tracheomalacia." Eastern Canadian-New England Clinical Genetics Conference Burlington, Vermont 1991
12. Bernstein IM, Meyer MC, Simmons GM, Capeless EL. "'Fetal Growth Charts': Comparison of Cross-sectional Ultrasound Examinations with Birthweight" Society of Perinatal Obstetricians Orlando, FL 1992
13. Bernstein IM, Meyer MC. "Abdominal Aortic Time to Peak, An Index of Fetal Myocardial Contractility" Society of Perinatal Obstetricians Orlando, FL 1992
14. Bernstein IM, Catalano PM. "Ultrasound Estimation of Fetal Fat in the Children of Diabetic



Mothers" Society for the Study of Fetal Physiology Ontario, Canada 1992

15. Bernstein IM, Catalano PM. "Increased Neonatal Fat is Associated with Risk for Cesarean Section in Infants of Mothers with Gestational Diabetes" Society of Perinatal Obstetricians San Francisco, CA 1993.
16. Bernstein IM, Catalano PM. "Estimates of Fat Improve the Prediction of Birth Weight" Society of Perinatal Obstetricians San Francisco, CA 1993.
17. Bernstein IM, Rhodes S, Stirewalt WS. "Amniotic Fluid Amino Acids in Fetal Growth Retardation" Society of Perinatal Obstetricians Las Vegas NV 1994.
18. *Geifman-Holtzman O*, Bernstein IM, Capeless EL, Bianchi DW. "Obstetrical Performance in Women Carrier's of Duchenne Muscular Dystrophy" Society of Perinatal Obstetricians Las Vegas NV 1994.
19. *Konchak P*, Capeless EL, Bernstein IM. "Uterine Artery Doppler Waveforms and Pregnancy Complications in Women with Elevated MSAFP" New England Perinatal Society Woodstock, VT 1994.
20. *Geifman-Holtzman O*, Bernstein IM, Capeless EL, Bianchi DW. "Prenatal Detection of Fetal RhD Status in Maternal Blood" New England Perinatal Society Woodstock, VT. 1994.
21. *Geifman-Holtzman O*, Demaria MA, Vadnais TJ, Bernstein IM, Capeless EL, Bianchi DW. Determination of Fetal Rhesus D (RhD) Type by PCR Amplification of Fetal Cells in Flow Sorted RhD Negative Maternal Blood 7th International Conference on Early Prenatal Diagnosis Jerusalem, Israel 1994.
22. *Geifman-Holtzman O*, Bernstein IM, Berry SM, Bianchi DW. "Fetal Rh(D) typing by PCR amplification of fetal cells flow sorted from Rh negative maternal blood. American Society of Human Genetics Montreal 1994
23. Bernstein IM, *Blake K*. "Preliminary Investigation of Fetal Growth Patterns" New England Conference on Perinatal Research Chatham, MA 1994.
24. Bernstein IM, *Blake K*. "Evidence That Normal Fetal Growth is Not Continuous" Society of Perinatal Obstetricians Atlanta GA 1995.
25. *Geifman-Holtzman O*, Bernstein IM, Berry SM, Bianchi DW. "Prenatal Diagnosis of Fetal Rhesus (Rh) C, D, E type by Polymerase Chain Reaction" Society of Perinatal Obstetricians Atlanta GA 1995.
26. *Konchak PS*, Bernstein IM, Capeless EL. "Abnormal Uterine Artery Doppler Velocimetry Predicts Adverse Obstetric Outcome in Women with Elevated Maternal Serum Alphafetoprotein. Society of Perinatal Obstetricians Atlanta GA 1995.
27. Bernstein IM, *Mohs G*, *Rucquoi, M*. "The Case for Hybrid Growth Curves: An Estimation of Normal Fetal Growth" New England Perinatal Society Manchester VT 1995.

28. Bernstein IM, Goran M. "Fat Distribution in Infants of Obese Mothers" New England Perinatal Society Manchester VT 1995.
29. Bernstein IM, Amini S, Goran M, Catalano P. "Differential Growth of Fetal Tissues" Society for Gynecologic Investigation Chicago IL 1995.
30. Horbar JM, Bernstein IM, and the VT Oxford Perinatal Network. "Neonatal Outcomes associated with Intrauterine Growth Restriction" Society for Gynecologic Investigation Philadelphia PA 1996
31. Bernstein IM, Goran M. "Fat Distribution is Altered in Infants of Obese Mothers" Society for Gynecologic Investigation Phila. PA 1996.
32. Bernstein IM, Goran M. Copeland K. "Cord Blood Insulin, Albumin, IGF-I, IGFBP-1 and IGFBP-3: Independent Relationship to Neonatal Size at Birth" Society for Gynecologic Investigation Phila. PA 1996.
33. *Geifman-Holtzman O*, Kaufman LM, Bernstein IM. "Rhesus E/e Genotyping of Mother, Father and Fetal Cells Isolated From Maternal Blood" Society for Gynecologic Investigation Phila PA 1996.
34. Bernstein IM, *Blake K*, Badger G. "Evidence that Human Fetal Growth Pulses are Synchronized" Society of Perinatal Obstetricians Anaheim, CA 1997.
35. Bernstein IM, *Silver R*, Nair S, Stirewalt W. "Amniotic Fluid Glycine/Valine Ratio and Neonatal Morbidity in Fetal Growth Restriction" Society of Perinatal Obstetricians, Anaheim, CA 1997.
36. Bernstein IM, Horbar JD, Badger G, Golan A, Ohlsson A, and the Vermont Oxford Neonatal Network. "Intrauterine Growth Restriction in Very Low Birth Weight Newborns: Neonatal Outcomes" Society of Perinatal Obstetricians, Anaheim, CA 1997.
37. Bernstein IM, *Ziegler W*, Stirewalt WS, Brumsted J, Ward K. Angiotensinogen Genotype and Plasma Volume in Nulliparous Women. New England Perinatal Society, Woodstock VT 1998.
38. Bernstein IM and Goran MI. Perinatal Predictors of Childhood Body Composition at One Year of Age. Society for Gynecologic Investigation, Atlanta, GA 1998.
39. *Ziegler W*, Bernstein IM, Stirewalt WS, Brumsted J, Badger G. Changes in Blood Volume During the Menstrual cycle in Nulliparous Women. Society for Gynecologic Investigation, Atlanta, GA 1998.
40. *Geifman-Holtzman O*, Ludky H, Threatte G, Bernstein IM. Maternal Serum Alpha-fetoprotein Levels in Response to Mild Exercise. Society for Gynecologic Investigation, Atlanta, GA 1998.
41. Bernstein IM, Horbar JD, Badger G, Golan A, Ohlsson A, and the Vermont Oxford Neonatal Network. "Morbidity and Mortality are Increased in Growth Restricted Very Low Birth Weight Newborns" Pediatric Research Society New Orleans, LA 1998.

42. *Ziegler W*, Bernstein IM, Levitt T, Stirewalt WS, Brumsted J. Changes in Uterine Artery Hemodynamics during the Menstrual Cycle in Nulliparous Women. American Society for Reproductive Medicine, San Francisco, CA 1998.
43. Golan A, Bernstein IM, Horbar JD, Badger G, and Ohlsson A, for the Vermont Oxford Neonatal Network. "Morbidity and Mortality are Increased in Growth Restricted Very Low Birth Weight Newborns" Israeli Neonatal Society, Tel Aviv, Israel 1998.
44. *Fry AG*, Bernstein IM, Badger GJ. Third Trimester Fetal Weight Gain. New England Conference on Perinatal Research, Chatham, MA .1998.
45. Bernstein IM, *Fry AG*, Badger GJ. Limitations of the U.S. National Natality Statistics. Society for Maternal Fetal Medicine, San Francisco, CA. 1999.
46. *Fry AG*, Bernstein IM, Badger GJ. Three Models for Defining Third Trimester Fetal Weight Gain. Society for Maternal Fetal Medicine, San Francisco, CA. 1999.
47. *Fry AG*, Bernstein IM, Badger GJ. Limitations of the U.S. National Natality Statistics. New England Perinatal Society, Woodstock, VT. 1999.
48. Bernstein IM, *Plociennik K*, *Stahl S*, Badger GJ, Solomon L, Secker-Walker R. The Impact of Maternal Smoking on Fetal Body Composition. Society for Maternal Fetal Medicine, Miami, FL. 2000.
49. Bernstein IM, *Fasking J*, Badger GJ. In Utero Accretion of Fetal Fat in Fetuses of Diabetic Mothers. Society for Maternal Fetal Medicine, Miami, FL. 2000.
50. Bernstein IM, *Fasking J*, Badger GJ. In Utero Fat Deposition in Fetuses of Obese Mothers. Society for Maternal Fetal Medicine, Miami, FL. 2000.
51. *Ziegler WF*, Bernstein IM, Badger GJ, Leavitt TJ. Uterine Artery Hemodynamic Adaptation in Early Pregnancy. Society for Gynecologic Investigation, Chicago, IL 2000
52. Bernstein IM, *Ziegler WF*, Badger GJ. Plasma Volume Expansion in Early Pregnancy in Primigravid Women. Society for Gynecologic Investigation, Chicago, IL 2000
53. Bernstein IM, Shapiro R, *Whitset A*, Schonberg A. Pre-pregnancy plasma volume and sympathetic function: A possible predisposition to pre-eclampsia. Society for Gynecologic Investigation, Toronto, ON 2001
54. *Lenkovsky F*, Garahan M, Kristensen H, Bernstein I, Rathmell J, Kaye A, Flaherty K. Spinal Sufentanil, Fetal Bradycardia, and Maternal Catecholamines in Parturients. Society for Obstetric Anesthesiologists and Perinatologists, San Diego, 2001
55. *Lenkovsky F*, Garahan M, Rathmell J, Kristensen H, Bernstein I, Kaye A. Spinal Sufentanil and Fetal Bradycardia (FB) American Society of Anesthesiologists New Orleans, 2001.
56. *Braun SV*, Beynnon BD, Bernstein IM, Sargent M, Johnson RJ. Serum Estrogen and Progesterone Levels at the Time of Knee Ligament Injury ACL Study Group meeting, 2002

57. Bernstein IM, Schonberg A, Ward K. Angiotensinogen genotype and insulin/glucose ratio. Society for Maternal Fetal Medicine, New Orleans LA. 2002.
58. Flaherty K, Bernstein IM, Lenkovsky F, Garahan M, Kristensen E, Ward K. Angiotensinogen (AGT) genotype, plasma catecholamines and fetal bradycardia following intrapartum spinal analgesia. New England Perinatal Society, Woodstock, VT. 2002.
59. Bernstein IM, Whitsetl A, Schonberg A, Shapiro R,. Plasma volume and Sympathetic Tone in Nulligravid Women. International Society for the Study of Hypertension in Pregnancy Toronto, CA 2002.
60. Bernstein IM, May V, McBean J, Schonberg A. Estradiol Stimulates Uterine VEGF Production. Society for Gynecologic Investigation Wash D.C. 2003.
61. Bernstein IM, Schonberg A, Shapiro R, Ward K. Vascular Permeability, Plasma Volume and Angiotensinogen Genotype. Society for Gynecologic Investigation Wash D.C. 2003
62. Bernstein IM, Johnson J, Schonberg A, Reiner K, Ashikaga T. Estradiols Effect on Uterine Blood Flow. Society for Gynecologic Investigation Wash D.C. 2003
63. Bernstein IM, Schonberg A, Tischler M, Reiner K, Ashikaga T. Uterine Vascular Adaptation Through the Follicular Phase. Society for Gynecologic Investigation Wash D.C. 2003
64. Bernstein IM, Schonberg A, Shapiro R. Vascular Permeability and Sympathetic Tone in Nulligravidas. Society for Gynecologic Investigation Wash D.C. 2003
65. Bernstein IM, Damron D, Schonberg A. Plasma Volume Stability in Nulliparous Women. Society for Gynecologic Investigation Wash D.C. 2003.
66. Damron D, Bouchard B, Schonberg A, Bernstein IM. Platelet Activation, Sympathetic Tone and Plasma Volume in Nulliparous Women Society for Gynecologic Investigation Wash D.C. 2003
67. Damron D, Schonberg A, Bernstein IM. Uterine Arterial Response to Alpha-Adrenergic Blockade. Society for Gynecologic Investigation Wash D.C. 2003
68. Sallam R, Schonberg A, Huber S, Tracy R, Bernstein IM . Variation in Immune Response across the Menstrual Cycle Society for Gynecologic Investigation Wash D.C. 2003
69. Bernstein IM, Thibault A, Mongeon J, Badger GJ. The Effect of Pregnancy on Arterial Compliance. New England Perinatal Research Society Chatham, MA 2003
70. Bernstein IM, Flaherty K, Kristensen E, Ward K. Angiotensinogen genotype and fetal bradycardia following intrapartum spinal analgesia. Society for Maternal-Fetal Medicine, New Orleans, LA 2004
71. Bernstein IM, Damron D, Shapiro R, Schonberg A. Physiologic predictors of pulse pressure prior to pregnancy. Society for Maternal-Fetal Medicine, New Orleans, LA 2004

72. *Damron D, Sallam R, Bernstein IM, Shapiro R, Schonberg A.* Markers of Inflammation and Sympathetic Tone in Nulligravid Women. Society for Maternal-Fetal Medicine, New Orleans, LA 2004
73. *Damron D, Sallam R, Schonberg A, Bernstein IM.* Reduced Plasma Volume is Associated with Elevated C-Reactive Protein in Nulligravid Women. Society for Gynecologic Investigation, Houston, TX. 2004
74. *Bernstein IM, Thibault A, Mongeon J, Badger GJ.* Arterial Compliance: The Effect of Pregnancy. Society for Gynecologic Investigation, Houston, TX. 2004
75. *Damron D, Bernstein IM, Sallam R, Schonberg A, Bouchard B.* Platelet Activation and C-Reactive Protein Levels in Nulligravid Women. Society for Gynecologic Investigation, Houston, TX. 2004
76. *Bernstein IM, Phillips JK, Mongeon J, Badger GJ.* Seasonal Variation in Preeclampsia. Society for Gynecologic Investigation, Houston, TX. 2004
77. *Beynon B, Johnson R, Bernstein IM, Sargent M, Frodsham A, Braun S, Brattbakk B, Frodsham A, Vacek P, Skelly J.* "Is phase of menstrual cycle associated with ACL injury in alpine skiers? ACL Study Group meeting, Sardinia, Italy, 2004.
78. *Magness RR, Grindle KM, Phernetton TM, Magness DJ, Schonberg AL, Bernstein IM.* Uterine Artery Shear Stress during the Proliferative and Secretory Phases of the Menstrual Cycle. Society for Gynecologic Investigation, Los Angeles, CA. 2005.
79. *Bernstein IM, Janowiak M, Thomas CS, Badger CS.* Term versus preterm preeclampsia: Evidence for distinct phenotypes. Society for Gynecologic Investigation, Los Angeles, CA. 2005.
80. *Magness DJ, Phernetton TM, Meister DW, Schonberg AL, Bernstein IM, Magness RR.* Regulation of blood rheologic properties and uterine blood flow during the ovarian cycle in women and sheep. Society for Gynecologic Investigation, Los Angeles, CA. 2005.
81. *Bernstein IM, Janowiak M, Thomas CS, Badger GJ.* Maternal smoking is associated with reduced term but not preterm preeclampsia. Society for Gynecologic Investigation, Los Angeles, CA. 2005.
82. *Bernstein IM, Mongeon JA, Badger GJ, Lynch ME, Heil SH, Higgins ST.* Reduced maternal smoking in the third trimester is associated with improved birth weight percentiles. Society for Gynecologic Investigation, Los Angeles, CA. 2005.
83. *Higgins ST, Heil SH, Badger GJ, Mongeon JA, Solomon LJ, McHale L, Bernstein IM.* Biochemical verification of smoking status in pregnant and recently postpartum women. College on Problems of Drug Dependence, Orlando, FL 2005.
84. *Heil SH, Higgins ST, Solomon L, Bernstein IM, Lynch ME, McHale L, Jacuzzi N, Dumeer A.* Voucher-Based Incentives for Abstinence from Cigarette Smoking in Pregnant and Postpartum Women. College on Problems of Drug Dependence Orlando, FL 2005.

85. Sueblinvong V, Loi R, Poynter ME, Bernstein IM, Weiss DJ. Development of Airway Epithelium from Cord Blood Stem Cells submitted American Thoracic Society, San Diego CA 2006.
86. Ing E, Bernstein IM, Thomas CS, Badger GJ. Maternal Hemoglobin Concentration and its Association with Birth Weight in Newborns of Mothers with Preeclampsia. Society for Gynecologic Investigation 2006 Toronto, CA.
87. Bernstein IM, Janowiak M, Thomas CS, Badger GJ. Birth Weight Shows a Bimodal Distribution in Newborns of Near Term and Term Preeclamptic Mothers. Society for Gynecologic Investigation 2006 Toronto, CA.
88. Bernstein IM, Schonberg A, Thomas C, Ashikaga T. Progesterone's Contribution to Uterine Blood Flow. Society for Gynecologic Investigation 2006 Toronto, CA.
89. Bernstein IM, Schonberg A, Thomas C, Ashikaga T. Uterine Blood Flow During the Luteal Phase of the Menstrual Cycle. Society for Gynecologic Investigation 2006 Toronto, CA.
90. Higgins ST, Heil SH, Solomon LJ, Bernstein IM, Dumeer AM, Thomas CS. Early Smoking Status Predicts Smoking-Cessation Outcomes in Pregnant Women College on Problems of Drug Dependence 2006, Scottsdale, AZ
91. Gupta H, Richardson B, Bernstein I, Gratton R. Variation in Preterm Birth, IUGR with Season of Conception and Delivery. Society of Obstetricians and Gynaecologists of Canada, 2006 Vancouver, B.C..
92. Bernstein IM, Schonberg A, Shapiro R, Bouchard B, Segal A. Angiotensin II, Angiotensin<sub>1-7</sub> and their Relationship to Non-Pregnant Plasma Volume. Society for Gynecologic Investigation 2007 Reno, NV.
93. Bernstein IM, Schonberg A, Shapiro R, Bouchard B, Segal A. 24 Hour Urinary Protein Levels Prior to and During a First Pregnancy Society for Gynecologic Investigation 2007 Reno, NV.
94. Magness RR, Grindle KM, Phernetton TM, Magness DJ, Schonberg AL, and Bernstein IM. Shear Stress and Uterine Blood Flows During the Proliferative and Secretory Phases of the Menstrual Cycle and Pregnancy Society for Gynecologic Investigation 2007 Reno NV.
95. Jones C, Bernstein IM, Schonberg A, Bouchard B. Platelet Volume is Directly Associated with Plasma Volume and Inversely Associated with Platelet Concentration Prior to Pregnancy. Society for Gynecologic Investigation 2007 Reno NV.
96. Bernstein IM, Schonberg A, Bouchard B, Segal A, Shapiro R. Prepregnancy Plasma Volume Predicts Early Pregnancy Plasma Volume Society for Gynecologic Investigation 2007 Reno NV.
97. Bernstein IM, Schonberg A, Bouchard B, Shapiro R, Segal A. Prepregnancy Maternal Uric Acid Concentrations Correlates with Body Mass Index but not Renal Function or Plasma Volume. Society for Gynecologic Investigation 2007 Reno NV.
98. Bernstein IM, Solomon L, Heil S, Lynch ME, Coutinho Y, Thomas C, Badger GJ, Higgins ST

Contingent Voucher Based Incentives to Reduce Maternal Smoking Improve Fetal Growth. Society for Gynecologic Investigation 2007 Reno NV.

99. Sueblinvong V, Eisenhauer P, Bernstein I, Spees J, Weiss DJ. Cord Blood-Derived Mesenchymal Stem Cells Can Participate in Lung Epithelial Remodeling *In Vivo*. American Thoracic Society, 2007 San Francisco, CA.

100. Sueblinvong V, Kilbride MA, Eisenhauer P, Bernstein I, Spees J, Weiss DJ. Cord Blood-Derived Mesenchymal Stem Cells Can Participate in Lung Epithelial Remodeling *In Vivo*. Aspen Lung Conference, 2007 Aspen, CO.

101. Buhimschi IA, Zhao G, Funai EF, Bernstein IM, Saade GR, Buhimschi CS Proteomic Profiling of the Urine in Preeclampsia (PE) Identifies Biomarker Sets which Predict Outcome and Differentiate this Condition from other Hypertensive Disorders During Gestation. Submitted Society for Maternal Fetal Medicine 2008 Dallas, TX

102. Bernstein IM, Schonberg A, Bouchard B, Badger GJ. The Association of Third Trimester Plasma Volume with Prepregnancy Volume. Society for Gynecologic Investigation 2008 San Diego CA.

103. Bernstein IM, Schonberg A, Jones C, Badger GJ, Osol G. A Randomized Placebo Controlled Blinded Study of the Effects of Sildenafil Citrate on Uterine Blood Flow Society for Gynecologic Investigation 2008 San Diego CA.

104. Magness RR, Grindle KM, Phernetton TM, Magness DJ, Schonberg A, Bernstein IM Shear Stress and Uterine Blood Flows During the Proliferative and Secretory Phases of the Menstrual Cycle and Pregnancy Society for Gynecologic Investigation 2008 San Diego CA.

105. Bouchard BA, Schonberg A, Badger GJ, Bernstein IM Changes in Levels of Soluble Intracellular Adhesion Molecule-1 (sICAM-1) During Pregnancy are Related to the Development of Hypertensive Complications Society for Gynecologic Investigation 2008 San Diego CA.

106. Bouchard BA, Schonberg A, Badger GJ, Bernstein IM Pregnancy is Associated with Increased Monocyte/Platelet Aggregate Formation in Whole Blood. Society for Gynecologic Investigation 2008 San Diego CA.

107. Jones C, Barron CJ, Bernstein IM, Osol G. Mechanisms Underlying Maternal Venous Adaptation in Pregnancy Society for Gynecologic Investigation 2008 San Diego CA.

108. Hale S, Schonberg A, Badger G, Bernstein I. Comparison of Uterine Blood Flow and Resistance Index Prior to Pregnancy with Early Pregnancy Observations. International Society for the Study of Hypertension in Pregnancy Wash DC 2008.

109. Bernstein I, Schonberg A. Third Trimester Maternal Plasma Volume is Predicted by Plasma Volume Prior to Pregnancy. International Society for the Study of Hypertension in Pregnancy Wash DC 2008.

110. Bernstein I, Sullivan C, Schonberg A, Badger G. The Association of Maternal Blood Pressure and Cardiac Output with Markers of Endothelial Activation Prior to and During Pregnancy.

International Society for the Study of Hypertension in Pregnancy Wash DC 2008.

111. Amburgey O, Reeves S, Bernstein IM, Cipolla M, Plasma from Normal Pregnant Women Diminishes Endothelium-derived Hyperpolarizing Factor (EDHF) Production in Cerebral Arteries. Society for Gynecologic Investigation 2009 Glasgow, Scotland.
112. Bernstein IM, Hale S, Schonberg A. Hemodynamic Differences in Nulliparous Women Destined to Develop Preeclampsia. Society for Gynecologic Investigation 2009 Glasgow, Scotland
113. Bernstein IM, Schonberg A. Preeclampsia is Associated with Reduced Third Trimester Maternal Plasma Volume Prior to the Onset of Clinical Disease. Society for Gynecologic Investigation 2009 Glasgow Scotland
114. Magness RR, Grindle KM, Phernetton TM, Magness DJ, Schonberg AL, Bernstein IM. Uterine Artery Shear Rates, Shear Stress, and Blood Flows Throughout the Proliferative Phase and Periovaratory Period of the Menstrual Cycle. Society for Gynecologic Investigation 2009 Glasgow Scotland
115. Amburgey OL, Reeves S, Bernstein IM, Cipolla MJ. Pregnant Plasma – Not so Relaxing Pharmacology Research Retreat, University of Vermont College of Medicine 2009.
116. Magness RR, Bernstein IM, Zamudio S. Effects of High Altitude and Ancestry on Changes in Uterine Artery Shear Rates and Shear Stresses in Normal and Preeclamptic Women SGI Summit on Preeclampsia Sendai Japan 2009
117. Bouchard BA, Schonberg A, Badger GJ and Bernstein IM. Changes in Platelet Activation Associated with Hypertensive Disorders of Pregnancy Am Society of Hematology New Orleans 2009
118. Heil, S.H., Higgins, S.T., Solomon, L.J., Bernstein, I.M. Characteristics associated with smoking severity during pregnancy College on Problems of Drug Dependence Reno, NV 2009.
119. Herrmann, E., Heil, S., Higgins, S., Solomon, L., & Bernstein, I. Smoking and health behavior beliefs among pregnant smokers and spontaneous quitters. College on Problems of Drug Dependence Reno NV 2009,
120. Higgins ST, Washio Y, Higgins TM, Heil SH, Badger GJ, Skelly JM, Solomon LJ, Bernstein IM, Lynch ME Effects of Treatment with Voucher-Based Contingency Management on Maternal Smoking, Birth Outcomes, and Breastfeeding. Nicotine and Tobacco Research Baltimore, MD 2010.
121. Bouchard BA, Schonberg A, Badger GJ, Bernstein IM, Changes in Basal Platelet Activation During the Course of Pregnancy Society for Gynecologic Investigation 2010.
122. Bernstein IM, Wulfkuhle K, Schonberg A. Fetal Growth Restriction is Associated with Reduced Maternal Plasma Volume Expansion Society for Gynecologic Investigation Orlando, FL 2010.
123. Amburgey OA Chapman AC, Bernstein IM, Cipolla MJ Effect of Preeclamptic Plasma on Cerebral Artery Myogenic Tone and Reactivity Society for Gynecologic Investigation Orlando, FL



2010.

124. Amburgey OA, Chapman AC, Bernstein IM, Cipolla MJ. Acute Exposure to Preeclamptic Plasma Increases Blood-Brain Barrier Hydraulic Conductivity: Role of VEGF. Society for Gynecologic Investigation Orlando, FL 2010.

125. Bernstein IM, Choate M, Hale S, Badger GJ, Shapiro R, Schonberg A. Uterine Blood Flow is Not Associated with Baseline Indices of Sympathetic Activity Prior to Pregnancy. Society for Gynecologic Investigation Orlando, FL 2010.

126. Bernstein IM, Schonberg A, Ward K. Common Genetic Polymorphisms Related to Maternal Plasma Volume. Society for Gynecologic Investigation Orlando, FL 2010.

127. Hale S, Choate M, Badger GJ, Schonberg A, Shapiro R, Bernstein IM. Pulse Pressure, Mean Arterial Pressure and Arterial Compliance Prior to Pregnancy and the Development of Hypertensive Complications of Pregnancy. Society for Gynecologic Investigation Orlando, FL 2010.

128. Bernstein IM, Subramanian M, Hale S, Schonberg A. Physiological Assessment in Young Women with a Family History for Hypertension, Myocardial Infarction or Stroke. New England Conference on Prenatal Research Chatham MA 2010.

129. Hale S, Sobel B, Schonberg A, Bernstein IM. Coagulation and Fibrinolytic System Protein Profiles in Women with Normal and Preeclamptic Pregnancies. New England Conference on Prenatal Research Chatham MA 2010.

130. Bernstein IM, Subramanian M, Hale S, Schonberg A. Physiological Assessment in Young Women with a Family History for Hypertension, Myocardial Infarction or Stroke. Society for Gynecologic Investigation Miami, FL 2011.

131. Hale S, Sobel B, Schonberg A, Bernstein IM. Coagulation and Fibrinolytic System Protein Profiles in Women with Normal and Preeclamptic Pregnancies. Society for Gynecologic Investigation Miami, FL 2011.

132. Amburgey O, Fillippi C, Schonberg A, Badger GJ, Cipolla M, Bernstein IM. MRI Quantification of Brain Water Diffusion in Nonpregnant, Pregnant, and Postpartum Women. Society for Gynecologic Investigation Miami, FL 2011.

133. Hale S, Badger GJ, Schonberg A and Bernstein IM. Effect of Pregnancy on Postpartum Plasma Volume, Uterine Blood Flow, Cardiac Output and Endothelial Function. Society for Gynecologic Investigation Miami, FL 2011.

134. Hale S, Badger GJ, Schonberg A, Bernstein IM. Markers of Endothelial Injury Prior to and During Normal Pregnancy and Pregnancy Complicated by Hypertension. Society for Gynecologic Investigation Miami, FL 2011.

135. Gaalema D, Bradstreet M, Higgins S, Heil S, Bernstein IM. Using NicAlert® strips to Validate Smoking Status in Pregnant Cigarette Smokers. American Psychological Association Wash, DC. 2011.

136. Lopez AA, Higgins ST, Heil SH, Washio Y, Badger GJ, Skelly JM, Lynch ME, Solomon LJ, Bernstein IM. Does Depression Interfere with Contingency-management Treatment for Pregnant Cigarette Smokers College on Problems of Drug Dependence Hollywood, FL 2011
137. Wulfkuhle K, Butenas S, Bernstein IM, Brummel-Ziedins K. Tissue factor Dependent and Independent Thrombin Generation across Pregnancy International Society for Thrombosis and Hemostasis, Kyoto, JN 2011
138. Beynnon B, Smith HS, Scheinman A, Sturnick D, Vacek P, Holtermann L, Gardner-Morse M, Tourville T, Slauterbeck J, Bernstein I, Shultz S, Hashemi J, Johnson R. Geometry of the Articular Cartilage of the Tibial Plateau is Related to Anterior Cruciate Ligament Injury Risk. Osteoarthritis Research Society International San Diego, CA 2012
139. Gaalema DE, Higgins ST, Lopez A, Saulsgiver K, Heil SH, Bernstein IM Differentiating abstinent and non-abstinent pregnant smokers using patterns of voucher reimbursement and impulsivity measures. Association for Behavior Analysis International Granada, Spain 2012.
140. Tourville KJ, Tourville TW, Knudsen EJ, Shultz SJ, Bernstein IM, Vacek PM, Holtermann LA, Smith HC, Slauterbeck JR, Hardy DM, Johnson RJ, Beynnon BD. Validation of an Algorithm to Predict Ovulatory Status at the Time of Injury. Eastern Athletic Trainers Association. 2012
141. Hale S, Badger GJ, McBride C, Bernstein IM Comparison of Cardiovascular Response to Volume Challenge in Nulliparous Women and Previous Preeclampsics Society for Gynecologic Investigation San Diego, CA 2012.
142. Hemmings D, Brindley D, Curtis J, Xiong Y, Hale S, Bernstein I Elevation of Phospholipids in Third Trimester and Correlation with Uterine Blood Flow Society for Gynecologic Investigation San Diego, CA 2012.
143. Hale S, Badger GJ, McBride C, Bernstein IM Changes in Pulse Wave Velocity Resulting from Pregnancy Suggest Pregnancy Induced Vascular Remodeling Society for Gynecologic Investigation San Diego, CA 2012.
144. Wulfkuhle K, Butenas S, Bernstein IM, Brummel-Ziedins K. Tissue factor Dependent and Independent Thrombin Generation across Pregnancy Society for Gynecologic Investigation San Diego, CA 2012.
145. Schreurs MPH, Hubel CA, Bernstein IM, Cipolla MJ. Peroxynitrite decomposition prevents blood-brain barrier permeability induced by early-onset preeclamptic human plasma. Society for Gynecologic Investigation San Diego, CA 2012.
146. Bernstein IM, Frenn R, Badger G, Heil S, Higgins S. Influence of Maternal Age on Birth Outcomes in Smoking Mothers. Society for Gynecologic Investigation San Diego, CA 2012.
147. Bernstein IM, Hale S, Badger GJ. Arterial Compliance Prior to, and During, Pregnancy and Subsequent Risk for Preeclampsia. Society for Gynecologic Investigation San Diego, CA 2012.
148. Gaalema D, Higgins S, Pepin C, Heil S, Bernstein Illicit Drug Use Among Pregnant Women Enrolled in Treatment for Cigarette Smoking Cessation. Submitted College on Problems of Drug

Dependence Palm Springs, CA 2012

149. Herrmann E, Heil S, Higgins S, Solomon L, Sigmon S, Bernstein I. Characterizing Nicotine Withdrawal in Pregnant Smokers. College on Problems of Drug Dependence, Palm Springs, CA. 2012

150. Smith HC, Beynon BD, Goetschius J, Holterman LA, Vacek PM, Shultz SJ, Tourville TW, Bernstein IM, Slauterbeck JR, Johnson RJ Application of a Clinic-Based Algorithm as a Tool to Identify Female Athletes at Risk for Anterior Cruciate Ligament Injury Osteoarthritis Research Society International San Diego, CA 2012.

151. Hale S, McBride C, Bernstein IM Blood Pressure is Correlated with Arterial Stiffness in Previous Preterm Preeclampsics, American Heart Association. Los Angeles, CA 2012

152. Hale S, McBride C, Bernstein IM Influence of Prepregnancy Physiology on Cardiovascular Adaptation during Pregnancy Society for Gynecologic Investigation Orlando, FL 2013.

153. McBride CA, Badger GJ, Hale SA, Bernstein IM, Plasma Volume Expansion and Uterine Blood Flow as Predictors of Birth weight Society for Gynecologic Investigation Orlando, FL 2013.

154. Morris E, Watts R, Fillipi C, McBride C, Hale S, Cipolla M, Bernstein IM, Differences in Brain Water Diffusion as Quantified by MRI in Women with a History of Preterm Preeclampsia as Compared to Nulliparous Patients Society for Gynecologic Investigation Orlando, FL 2013 and New England Conference on Perinatal Research Chatham, MA 2013.

155. Davenport WE, Garol N, Hale S, Casson P, Bernstein IM In-vivo Estradiol Stimulates Uterine VEGFR2 Expression in Human Endometrium: A Randomized, Controlled Trial. Society for Gynecologic Investigation Orlando, FL 2013.

156. Higgins, S.T., Washio, Y., Lopez, A.A., Heil, S.H., Solomon, L.J., Lynch, M.E., Hanson, J., Higgins, T.M., Bernstein, I.M. Incentive-Based Treatment for Pregnant Smokers Annual Meeting - College on Problems of Drug Dependence San Diego, CA 2013

157. Davenport WE, Hale S, Casson P, Bernstein IM. In-Vivo Estradiol Effects on VEGF Receptor-1 Expression in Human Endometrium: A Randomized Controlled Study. ASRM 2013.

158. Phillips JK, Bernstein IM. Obesity in Pregnancy and an Intervention Aimed at Decreasing Gestational Weight Gain. Conference on Behavior Change, Health and Health Disparities, 2013 Burlington, VT.

159. Hermel D, Morris E, Watts R, Fillipi C, McBride CA, Cipolla MJ, Bernstein IM Longitudinal Changes in Cerebral Blood Flow and Brain Structure in Healthy Nulliparous Women (NP) and those with Prior Preeclampsia (PRE). Society for Maternal Fetal Medicine 2014 New Orleans, LA

160. Bernstein IM, Hale S, Badger GJ. Evidence for Persistent Vascular Remodeling Following Pregnancy. Society for Maternal Fetal Medicine 2014 New Orleans, LA

161. Bernstein IM, McBride C, Badger GJ, Hale S. Brachial Pulse Wave Velocities Reveal Cardiovascular Remodeling in Pregnancy and are Related to Birth Weight and Preeclampsia Society for Maternal Fetal Medicine 2014 New Orleans, LA
162. Morris E, Watts R, Fillipi C, McBride CA, Cipolla MJ, Bernstein IM. Changes in Cerebral Water Diffusion during Pregnancy in Patients with a History of Preeclampsia and Healthy Nulliparous Women Society for Maternal Fetal Medicine 2014 New Orleans, LA
163. Phillips J, McBride CA, Hale S, Solomon R, Bernstein IM. Examination of Prepregnancy and Pregnancy Urinary Protein Levels in Healthy Nulligravidas Society for Maternal Fetal Medicine 2014 New Orleans, LA
164. Cooper K, Bernstein IM, Skelly J, Heil S, Higgins S. Maternal Uterine Blood Flow and its Independent Effect on Fetal Growth in Offspring of Smoking Mothers Society for Maternal Fetal Medicine 2014 New Orleans, LA.
165. Phillips J, Carey S, Harvey-Berino J, Higgins S, Bernstein IM. An Intervention to Decrease Gestational Weight Gain. NISBRE, Wash DC 2014
166. McBride CA, Bernstein IM, Badger GJ, Soll RF, Horbar JD. Infants of Hypertensive Mothers Born Between 22+0 and 29+6 Weeks Gestation Have Decreased Mortality Compared to Infants Born to Non-Hypertensive Mothers. APS/SPR Vancouver CA, 2014.
167. Morris EA, Carole McBride, Gary J Badger, Bernstein IM. Women with a History of HELLP Syndrome Display a Different Cardiovascular Profile than Women with a History of Preeclampsia Society for Maternal Fetal Medicine 2015 San Diego, CA.
168. Phillips J, McLean K, Bernstein IM. Inflammatory Mediators across Gestation in Obese Compared to Non-obese Women Society for Maternal Fetal Medicine 2015 San Diego, CA.
169. Edwards EM, Soll RF, Horbar JD, Bernstein IM. Exposure to Antenatal Interventions among Infants 24 to 29 Weeks gestational age. APS/SPR, 2015 San Diego, CA.
170. McBride CA, Bernstein IM, Badger GJ, Horbar JD, Soll RF. Maternal Hypertension and Mortality in Small for Gestational Age 22 to 29 Week Infants APS/SPR, 2015 San Diego CA.
171. McBride C, Badger GJ, Morris EA, Bernstein IM. Factors Affecting Early Pregnancy Uterine Arterial Blood Flow and Resistance Index Society for Reproductive Investigation 2015 San Francisco, CA.
172. Morris EA, McBride, BS CA, Badger GJ, Bernstein IM. Prepregnancy Blood Pressure and History of First Trimester Loss Contribute to Birth Weight and Placental Weight Society for Reproductive Investigation 2015 San Francisco, CA.
173. Hermel DJ, Morris EA, Watts R, Bernstein IM. Cerebral Blood Flow Changes over Pregnancy in Women with a History of HELLP Syndrome and those with Prior Preeclampsia Society for Reproductive Investigation 2015 San Francisco, CA.

174. McBride CA, Bernstein IM, Badger GJ, Soll RF. MD Maternal Hypertension and Major Morbidity in Infants Born 22 to 29 weeks Gestation Society for Reproductive Investigation 2015 San Francisco, CA.
175. Howe L, McBride CA, Morris EA, Badger GJ, Bernstein IM. Obesity, Body Fat Distribution and Cardiovascular Function in Young Nulliparous Women Society for Reproductive Investigation 2015 San Francisco, CA.
176. McBride CA, Badger GJ, Bernstein IM. Physical Fitness and Cardiovascular Phenotype in Young Women Society for Reproductive Investigation 2015 San Francisco, CA.
177. McLean KC, Phillips JK, Bernstein IM, Hammer ES, Brummel-Ziedins K. Thrombotic Potential Across Gestation in Obese Compared to Normal Weight Women Society for Reproductive Investigation 2015 San Francisco, CA
178. Heil SH, Solomon LJ, Skelly JM, Bernstein IM, & Higgins ST. Correspondence Between Self-reported and Biochemical Measures of Cigarette Smoking in Pregnant Women. College on Problems of Drug Dependence 2015 Phoenix, AZ.
179. Bergeria CL, Heil SH, Solomon LJ, Skelly JM, Bernstein IM, Higgins ST Correspondence between Self-Reported and Biochemical Measures of Cigarette Smoking in Pregnant Women. TCORS Washington, DC 2015.
180. Phillips JK, Roberts L, Davis C, Harvey J, Higgins S, Bernstein IM. Financial Incentives plus Behavioral Weight Management to Target Gestational Weight Gain in Obese Women. Conference on Behavior Change, Health and Health Disparities, 2015 Burlington, VT.
181. *Supple J*, McBride C, Badger G, Morris E, Bernstein I. Sympathetic Responsiveness and Subsequent Hypertension in Pregnancy SMFM 2016 Atlanta, GA
182. Phillips J, Dube SJ, Roberts L, Bernstein I, Potter A. Executive function differences in overweight and obese gravidas SMFM 2016 Atlanta, GA
183. *Chase V*, Hammer E, Badger G, Howe L, Bernstein IM, Factors Contributing to the Increased Birth Weight in Pregnancies Following Preeclampsia SRI 2016 Montreal, CA
184. *Howe L*, Hammer E, Badger GJ, Bernstein IM The Effect of Pregnancy Interval on Subsequent Pregnancy Blood Pressure Following Preeclampsia SRI 2016 Montreal, CA
185. Brown A., Bernstein IM, Skelly JM, Heil SH, Higgins S. Effect of Maternal Smoking Cessation on Blood Pressure During Pregnancy. SRI 2016 Montreal, CA.
186. McBride CA, Badger GJ, Morris EA, Bernstein IM Reduced Uterine Blood Flow in the Non-Pregnant State Contributes to Subsequent Early Pregnancy Loss. SRI 2016 Montreal, CA.
187. Morris EA, McBride CA, Badger GJ, Bernstein IM. Low Prepregnancy Plasma Volume and Increased Blood Pressure are Associated with Increased Risk of Small for Gestational Age Infants in Subsequent Pregnancy SRI 2016 Montreal, CA.

188. McBride CA, Badger GJ, Morris EA, Bernstein IM Women with a History of Early Pregnancy Loss Have Enhanced Cardiovascular Response to Subsequent Pregnancy SRI 2016 Montreal, CA.
189. Cooper K, McBride C, Badger G, Bernstein IM. The Interaction of Fetal Sex and Maternal Cardiovascular Adaptation SRI 2016 Montreal, CA.
190. Mann S., McBride C, Magness R, Bernstein IM. Pre pregnancy Adiposity is associated with the Development of Preeclampsia SRI 2016 Montreal, CA.
191. Brown L, Osol G, Bernstein IM, Brown S. Remodeling of the Maternal Aorta in Pregnancy Involves Down Regulation of TET Genes and Epigenetic Modification of Vascular Smooth Muscle SRI 2016 Montreal, CA.
192. Chase V, McBride C, Badger G, Morris E, Bernstein IM. Association of Prepregnancy and Longitudinal Change in Angiotensin-II (A-II) with Preterm Preeclampsia Society for Maternal Fetal Medicine 2017 Las Vegas, NV.
193. Chase V, McBride C, Badger G, Morris EA, Bouchard BA, Bernstein IM Pre-pregnancy Platelet Activation as a Contributor to Birth Weight Society for Maternal Fetal Medicine 2017 Las Vegas, NV.
194. McBride CA, Badger G, Bernstein IM. Distinct Phenotypes for Preterm and Term Preeclampsia Society for Maternal Fetal Medicine 2017 Las Vegas, NV.
195. Morris EA, McBride CA, Badger GJ and Bernstein IM. Pregnancy Induces Increased Arterial Compliance that Persists for Years Society for Maternal Fetal Medicine 2017 Las Vegas, NV.
196. Morris EA, McBride CA, Badger GJ and Bernstein IM. Prepregnancy Fitness and Risk of Hypertensive Disorders of Pregnancy Society for Maternal Fetal Medicine 2017 Las Vegas, NV.
197. Cooper K, McBride C, Badger G, Bernstein IM. Relationship of Fat Distribution to Pre Pregnancy Uterine Artery Hemodynamics and Fetal Growth Society for Reproductive Investigation 2017 Orlando, FL.
198. Cooper K, McBride C, Badger G, Bernstein IM. Pre pregnancy Hemodynamics and Changes during Pregnancy in Women who Develop Recurrent Hypertensive Disease. Society for Reproductive Investigation 2017 Orlando, FL.
199. Bernstein IM, McBride C, Badger G. Prepregnancy Physiology Predicts Subsequent Preterm Preeclampsia Society for Reproductive Investigation 2017 Orlando, FL.
200. McBride C, Waters B, Badger G, Bernstein IM. Placental Underperfusion and its Clinical Associations Society for Reproductive Investigation 2017 Orlando, FL.
201. McBride C, Morris E, Bernstein IM. Women with Prior Preterm Preeclampsia have Elevated Inflammation and Endothelial Dysfunction Compared to Nulliparous Women Society for Reproductive Investigation 2017 Orlando, FL

202. McBride C, Morris E, Bernstein IM. Amyloid Precursor Protein Products are Associated with Vessel Stiffness and Hypertension in Subsequent Pregnancies Society for Reproductive Investigation 2017 Orlando, FL.
203. McBride C, Morris E, Bernstein IM. Bone Mineral Density is Decreased in Women Who Develop Preeclampsia. Society for Reproductive Investigation 2017 Orlando, FL.
204. Ehret D, Greenberg L, Edwards EE, Bernstein I, Buzas J, Soll R, Horbar JD. Variation Among Hospitals in Antenatal Steroids and Postnatal Life Support for Infants Born at 22 to 25 Weeks Gestation PAS 2017 San Francisco, CA.
205. Ehret D, Greenberg L, Edwards EE, Bernstein I, Buzas J, Soll R, Horbar JD Use of Antenatal Steroids and Survival among Infants 22 to 25 weeks Gestational Age PAS 2017 San Francisco, CA..
206. Morris EA, McBride CA, Badger GJ, Bernstein IM. First trimester Changes in Arterial Stiffness and Risk of Subsequent Hypertension in Pregnancy Society for Reproductive Investigation 2018 San Diego, CA.
207. *Williams F*, McBride CA, Badger GJ, Bernstein IM Obesity Correlates with Renal Vascular Resistance and Creatinine Clearance in Young Nulliparous Women Society for Reproductive Investigation 2018 San Diego, CA.
208. McBride CA, Badger GJ, Bernstein IM. Prior Preterm Preeclampsia (pPE) Who Develop Recurrent Hypertension Have Distinct Non-pregnant Physiologic Profiles Society for Reproductive Investigation 2018 San Diego, CA.
209. *Cooper K*, Barrett T, McBride CA, Badger GJ, Steiner J, Bernstein IM. Cardiac Dysfunction and Peripheral Arterial Stiffness in Normotensive Nulligravid Women Society for Reproductive Investigation 2018 San Diego, CA.
210. *Chiwere T*, McBride CA, McGee E, Bernstein IM. Prepregnancy Phenotype and Physiological Characteristics in PCOS. Society for Reproductive Investigation 2018 San Diego, CA.
211. *Cooper K*, Olson N, McBride CA, Badger GJ, Bonney E, Bernstein IM. Relationships between Immune Cell Subtypes, Adiposity and Vascular Function in Reproductive-aged Women Society for Reproductive Investigation 2018 San Diego, CA.
212. *Miller AK*, Cooper KM, Morris EA, McBride CA, Badger GJ, Bernstein IM. Popliteal Artery Stiffness in Nulliparous Women is Associated with Subsequent Development of Hypertension during Pregnancy Society for Reproductive Investigation 2018 San Diego, CA.
213. *Cooper K*, McBride CA, Badger GJ, Bernstein IM. Evidence of subclinical peripheral arterial stiffness in young nulligravid women with a family history of cardiovascular disease Society for Reproductive Investigation 2018 San Diego, CA.
214. *Rieck R*, Rood C, Buhimschi I, Buhimschi C, McBride CA, Bernstein IM Urinary Congo Red Staining Prior to the Onset of Preeclampsia Society for Reproductive Investigation 2018 San Diego, CA.

215. McBride CA, Bernstein IM. Uric Acid Levels and Their Association with Preeclampsia, Birth Weight, and Placental Underperfusion Society for Reproductive Investigation 2018 San Diego, CA.
216. Bravo MC, Bernstein IM, McBride C, McGee E, McLean K, Orfeo T, Brummel-Ziedins K, Hemostatic Activation and Glycocalyx Shedding During Pregnancy. American Society of Hematology 2018 San Diego, CA
217. *Williams F*, McBride CA, Badger GJ, Bernstein IM Obesity Correlates with Renal Vascular Resistance and Creatinine Clearance in Young Nulliparous Women New England Perinatal Society 2018 Newport, RI.
218. *Barrett T*, Cooper K, McBride C, Badger G, Steiner J, LeWinter M, Bernstein IM Subclinical Diastolic Dysfunction in Stress Echocardiography as Potential Predictor of Preeclampsia submitted Am Society Echocardiography 2018 Nashville TN.
219. *Keene K*, Morris EA, McBride C, DeSarno M, Bernstein IM. Redefining Hypertension in Pregnancy Society for Maternal Fetal Medicine 2019 Las Vegas, NV.
220. *Parson J*, McLean K, Bernstein IM. Variation in Late Pregnancy Total Blood Volume; Implications for Blood Loss Quantification in Postpartum Hemorrhage Society for Maternal Fetal Medicine 2019 Las Vegas, NV.
221. Phillips JK, Roberts L, Skelly J, Bernstein IM, Higgins ST. Financial Incentives as an Adjunct to Behavioral Weight Management to Optimize Gestational Weight Gain: a Randomized Controlled Trials Society for Maternal Fetal Medicine 2019 Las Vegas, NV.
222. *Woodruff H*, McBride C, Bernstein IM Arterial Stiffness and Distensibility are Associated with Recurrent Preeclampsia Society for Reproductive Investigation 2019 Paris, France.
223. Bravo MC, McLean K, Orfeo T, Brummel-Ziedins K, Bernstein IM. Longitudinal changes in thrombin generation as a potential discriminator for hypertensive outcomes during pregnancy Society for Reproductive Investigation 2019 Paris, France.
224. McLean K, Bravo MC, Orfeo T, Bernstein IM, Brummel-Ziedins. K. Early pregnancy procoagulant phenotype in women who develop preterm preeclampsia Society for Reproductive Investigation 2019 Paris, France.
225. *Chiwere T*, Bravo MC, DeSarno M, Orfeo T, McBride C, Brummel-Ziedins K, McGee E, Bernstein IM Interactions in metabolic, inflammatory and coagulation markers in women with Polycystic Ovarian Syndrome compared to normal women Society for Reproductive Investigation 2019 Paris, France.
226. *Chiwere T*, Brown L, McBride C, DeSarno M, McGee E, Bernstein IM. Biochemical Markers of Bone Turnover in Women Who Develop Preeclampsia Society for Reproductive Investigation 2019 Paris, France.
227. McBride CA, Cooper KM, Barrett T, Steiner J, Bernstein IM Soluble Amyloid Precursor Protein Serum Levels are Associated with Subclinical Cardiovascular Dysfunction Society for



Reproductive Investigation 2019 Paris, France.

228. Chiware T, Bravo MC, DeSarno M, Orfeo T, McBride C, McGee E, Bernstein IM. Interactions in hormonal and coagulation markers in women with Polycystic Ovarian Syndrome compared to normal women submitted American Society for Reproductive Medicine 2019, Philadelphia, PA.

229. Chiware T, Bravo MC, DeSarno M, Orfeo T, McGee E, Bernstein IM. Anthropometric, hormonal and hematological characteristics of women undergoing in vitro fertilization American Society for Reproductive Medicine 2019, Philadelphia, PA.

230. Morris EA, Psinos RBC, McBride CA, Bernstein IM. Association of pre-pregnancy subclinical insulin resistance with cardiac dysfunction in healthy nulliparous women 2020 Society for Reproductive Investigation, Vancouver, CA.

231. McBride CA, Bravo MC, McLean KC, Orfeo T, Brummel-Zeidens KE, Bernstein IM Women Who Develop Placental Underperfusion Show Evidence of A Procoagulant Phenotype Prior to Pregnancy 2020 Society for Reproductive Investigation, Vancouver, CA.

232. McLean KC, McBride CA, Bravo MC, Orfeo T, Brummel-Zeidens K, Bernstein IM. Fibrinolysis parameters in pregnancy compared to pre-pregnancy in longitudinally evaluated healthy women 2020 Society for Reproductive Investigation, Vancouver, CA.

233. Weiner CP, Zhou H, Cuckle HS, Kusch M, Bernstein I, Carlson SE, Gajewski B, Valentine CJ, Kerling B, Dong Y. Plasma Cell Free RNA for the Identification of Women at 12-20 Weeks Destined for Early Onset Preeclampsia (EOPE) 2020 Society for Reproductive Investigation, Vancouver, CA.

234. Barrett T, Cooper K, McBride C, Badger G, Steiner J, LeWinter M, Ira Bernstein IM. Diastolic Indices in Stress Echocardiography as Potential Predictors of Preeclampsia. 2020 UVMHC Fellowship Research Day, Burlington VT.

235. Kulkarni AS, Bernstein IM, McBride CA, Nallasamy S, Sybenga A. The Association of Endoplasmic Reticulum (ER) stress with Labor and Evidence of Placental Vascular Malperfusion. Society for Maternal Fetal Medicine 2021 Las Vegas, NV.

236. Bravo MC, Bernstein IM, McLean KC, Orfeo T, Brummel-Ziedins K. Differential Shedding of Endothelial Cell Proteins During the Peripartum Period 2021 Society for Reproductive Investigation, Boston, MA.

237. Bravo MC, McBride CA, Brummel-Ziedins K, Bernstein IM. Circulating Placental Alkaline Phosphatase Correlates with Systemic Changes in Cardiovascular Function 2021 Society for Reproductive Investigation, Boston, MA

238. Morris EA, McBride CA, Boyer M, Roberts L, Skelly J, Bernstein IM. Cardiovascular Effects of Extra Virgin Olive Oil (EVOO) in Healthy Reproductive-aged Women: A Randomized Controlled Trial. 2021 Society for Reproductive Investigation, Boston, MA.

239. Barker E, Bernstein I, Orfeo T, McLean K, Bravo MC. Clot Formation Potential in the Late

Pregnant and Postpartum Woman. 2021 Society for Reproductive Investigation, Boston, MA.

240. Psoinos R, Morris E, McBride C, Roberts L, Skelly J, Mandalà M, Bernstein I. Anti-inflammatory effects of extra virgin olive oil (EVOO) in healthy nulliparas submitted 2022 Society for Reproductive Investigation, Denver, CO.

241. Psoinos R, Morris E, McBride C, Olson N, Bernstein I. Relationship between inflammation, endothelial damage, and vascular remodeling in late onset preeclampsia submitted 2022 Society for Reproductive Investigation, Denver, CO.

242. Psoinos R, Morris E, McBride C, Olson N, Bernstein I. Pre-gestational inflammation, immune dysregulation, and subclinical cardiovascular dysfunction in nulliparas submitted 2022 Society for Reproductive Investigation, Denver, CO.

243. McLean K, Bravo M, , Bernstein I, Orfeo T. Plasminogen activator inhibitor-1 (PAI-1), but not plasminogen activator 2 (PAI-2) is associated with decreased clot lysis potential across pregnancy submitted 2022 Society for Reproductive Investigation, Denver, CO.

244. McLean K, Orfeo T. Bravo M, Bernstein I. Pre-conception and early pregnancy procoagulant phenotype in women with prior preeclampsia submitted 2022 Society for Reproductive Investigation, Denver, CO.

245. Bravo M, Orfeo T. Bernstein I. McLean K, Coagulation Parameters in Women with Prior Preterm Preeclampsia submitted 2022 Society for Reproductive Investigation, Denver, CO.

246. Cardozo S, McLean K, Bernstein I, Orfeo T. Bravo M, , Mediators of Fibrinolytic Potential in the Peripartum Period submitted 2022 Society for Reproductive Investigation, Denver, CO.

247. McBride CA, Russon Z, Achenbach E, Bernstein IM, Dumas JA. Cardiovascular Associations with White Matter Hyperintensities in Healthy Young Women submitted 2022 Society for Reproductive Investigation, Denver, CO.

Presentations: Grand Rounds

Department of Obstetrics and Gynecology/ M.C.H.V., University of Vermont  
Society for Gynecology Investigation Highlights 4/91

Department of Pediatrics/M.C.H.V., University of Vermont  
Normal Fetal Growth 6/91

Department of Obstetrics and Gynecology/M.C.H.V., University of Vermont  
Society of Perinatal Obstetricians Highlights 3/92

Department of Obstetrics and Gynecology/Cleveland Metropolitan Hospital  
Interaction between Nutrient Metabolism and Fetal Growth 5/18/92

Department of Obstetrics and Gynecology/M.C.H.V., University of Vermont  
Insulin-Like Growth Factor I and Fetal Growth 11/3/92

Department of Obstetrics and Gynecology/M.C.H.V., University of Vermont  
Intrauterine Growth Retardation: Quality Assurance Report 12/22/92

Department of Obstetrics and Gynecology/M.C.H.V., University of Vermont  
Group B Strep Protocol 1/19/93

Department of Obstetrics and Gynecology/M.C.H.V., University of Vermont  
Society of Perinatal Obstetricians Highlights 2/23/93

Department of Pediatrics/M.C.H.V., University of Vermont  
Fetal Growth Retardation 4/93

Department of Obstetrics and Gynecology  
MaGee Womens Hospital, University of Pittsburgh  
Identification of fetal growth abnormalities 1/4/94

Department of Obstetrics and Gynecology/M.C.H.V., University of Vermont  
Society of Perinatal Obstetricians Highlights 2/22/94

Department of Obstetrics and Gynecology/Fletcher Allen Health Care, University of Vermont  
Society of Perinatal Obstetricians Highlights 2/16/95

Department of Obstetrics and Gynecology/FAHC, University of Vermont  
Doppler Flow Assessment of Fetal Health 12/12/95

Department of Obstetrics and Gynecology/FAHC, University of Vermont  
Society for Gynecologic Investigation Report 4/23/96

Department of Surgery/FAHC, University of Vermont  
Ultrasound in Clinical Practice: Lessons Learned in OB/GYN 5/96

Department of Obstetrics and Gynecology/FAHC, University of Vermont  
Critical Evaluation of Antepartum Testing: 1996 11/05/96

Department of Radiology/FAHC, University of Vermont  
Fetal Growth Assessment 2/12/97

Department of Obstetrics and Gynecology/FAHC, University of Vermont  
Society for Gynecologic Investigation Report 4/28/98

Department of Obstetrics and Gynecology/FAHC, University of Vermont  
OB/GYN Program Project Overview 9/15/98

Department of Obstetrics and Gynecology/FAHC, University of Vermont  
Pharmacology and the Prevention of Pre-term Birth 11/24/98

Department of Obstetrics and Gynecology/FAHC, University of Vermont  
Steroidal Signaling of Uterine Artery Remodeling 05/17/99

Department of Anesthesia /FAHC, University of Vermont  
Anesthetic Considerations for the Compromised Fetus 10/14/99

Department of Obstetrics and Gynecology/FAHC, University of Vermont  
SMFM Highlights 02/08/00

Department of Obstetrics and Gynecology/Foothills General Hospital, Calgary, CN  
Examining Fetal Growth 09/14/00

Department of Obstetrics and Gynecology/FAHC, University of Vermont  
Society for Gynecologic Investigation Report 4/10/01

Department of Obstetrics and Gynecology  
MaGee Womens Hospital, University of Pittsburgh  
Fetal Growth Restriction: Identification and Management 1/15/02

Department of Obstetrics and Gynecology/FAHC, University of Vermont  
A Novel Hypothesis Regarding Preeclampsia 10/14/03

Department of Obstetrics and Gynecology/FAHC, University of Vermont  
Highlights of the SMFM Meeting 2/15/05

Department of Obstetrics and Gynecology/ University of Hawaii-Manoa  
A Novel Hypothesis Regarding Preeclampsia 3/30/05

Department of Neurosciences/FAHC, University of Vermont  
Eclampsia/Preeclampsia: A Disorder of Sympathetic Tone? 4/7/05

Department of Obstetrics and Gynecology  
University of Western Ontario, London Ontario  
Preeclampsia/Eclampsia: Is a Toxic Factor Necessary? 11/29/05

Department of Obstetrics and Gynecology  
Canton-Potsdam Hospital  
Preeclampsia: Is it a disease limited to pregnancy? 8/10/06

Department of Obstetrics and Gynecology/FAHC, University of Vermont  
Highlights of the SMFM Meeting 2/20/07

Department of Obstetrics and Gynecology  
University of Toronto  
The Root of Preeclampsia: Maternal Cardiovascular Adaptations in Pregnancy 5/3/07

Department of Obstetrics and Gynecology/FAHC, University of Vermont  
Maternal Smoking Cessation in Pregnancy 10/9/07

Department of Obstetrics and Gynecology/FAHC, University of Vermont  
Society for Gynecologic Investigation Report 5/26/09

Department of Pediatrics/FAHC, University of Vermont  
Emerging Concepts in Preeclampsia 4/21/10

Department of Obstetrics and Gynecology  
Dartmouth Medical College  
Prepregnancy Phenotype and Preeclampsia 9/21/11

Department of Obstetrics, Gynecology and Reproductive Sciences  
University of California, San Francisco  
Prepregnancy Phenotype and Risk for Preeclampsia 11/2/11

Department of Obstetrics and Gynecology/Fletcher Allen Health Care, University of Vermont  
Hypertensive Disorders of Pregnancy: ACOG Definitions Revisited 11/13/12

Department of Obstetrics and Gynecology/Fletcher Allen Health Care, University of Vermont  
Research Planning for Obstetrics and Gynecology 11/27/12

Department of Obstetrics and Gynecology/Capital Health, Pennington, NJ  
What's New in Preeclampsia 10/6/16

Department of Obstetrics and Gynecology Maine Medical Center, Portland, ME  
What's New in Preeclampsia 6/7/17

Department of Obstetrics, Gynecology and Reproductive Sciences  
University of Vermont Medical Center Burlington, VT  
Pregnancy and Preeclampsia: Insights into Origins of Disease 9/26/17

### **Research Seminars**

Guest, NICHD  
Low Birth Weight Conference, Aspen, CO 8/89

Cleveland Metropolitan Hospital  
Research Seminar Series.  
IGF-1 and Fetal Growth 1990

University of Vermont/Clinical Research Center  
Fetal Metabolic Adaptation to Growth Retardation 1990

University of Vermont Ob/Gyn Research Seminar  
Doppler Assessment of Fetal Health 1991

University of Vermont Vascular Symposium  
Doppler Velocimetry in the Assessment of Fetal Health 6/13/91

Ross Travel Club Symposium/ Research Seminar  
Evaluation of Fetal Body Composition 8/2/91

North American OB/GYN Society/ Research Seminar  
Fetal Growth: Ultrasound Assessment 9/24/91

University of Vermont/ Ob/Gyn Research Seminar  
Prenatal Imprinting of Energy Metabolism in the Fetus 1992

University of Vermont/ Sims Obesity Nutrition Research Center  
Fetal Body Composition 11/20/92

University of Vermont/ Ob/Gyn Research Seminar  
Outline of Current Research Activities 12/16/93

University of Pittsburgh/Magee Women's Hospital/ Ob/Gyn Resident Conference  
Fetal growth patterns 1/4/94

University of Vermont/ Sims Obesity Nutrition Research Center  
Prenatal Imprinting of Energy Metabolism: Preliminary Data 3/4/94

Guest, NICHD  
Perinatal Research Society, Napa, CA. 9/30/96

Moderator: Scientific session  
New England Perinatal Research Society, Chatham, MA 10/98

Patient Oriented Research Program, FAHC "Hormonal Correlation of Plasma Volume Expansion  
through the Menstrual Cycle into Early Pregnancy" 12/13/98

Ob/Gyn Research Division Seminar/ University of Vermont  
Plasma Volume, the Menstrual Cycle and Pregnancy 12/16/1998

Molecular Mechanisms in Obstetrics and Gynecology/ University of Vermont  
Cardiovascular Signaling in Obstetrics 3/8/99

Program Project Site Visit (PO-1)  
Steroidal Modulation of Uterine Vascular Function  
Uterine Artery Steroid Responsiveness 4/99

Scientific Session Program Director  
District I ACOG Meeting, Burlington, VT 9/99  
Perinatal Physiology Conference/ University of Vermont  
Theorized Mechanism of Preeclampsia 11/4/99, 12/2/99

UVM General Clinical Research Center Competitive Renewal NIH Site Visit  
Uterine Vascular Response to Steroid Signals 3/28/00

Ob/Gyn Research Division Seminar/ University of Vermont  
Examination of Evidence for a Novel Hypothesis for Preeclampsia 11/16/2000

North American Society for the Study of Hypertension in Pregnancy  
Renin-Angiotensin sub-group meeting: T235M Angiotensinogen Genotype, Low Plasma Volume  
and Plasma Renin Activity. Winston-Salem, N.C. 7/20/2001

North American Society for the Study of Hypertension in Pregnancy  
Keynote Address: Intolerance to Volume Expansion: A Theorized Mechanism for the Development  
of Preeclampsia, Winston-Salem, N.C. 7/20/2001

MaGee Women's Institute Research Seminar  
Pre-pregnancy Preeclamptic Phenotype 1/15/2002

Ob/Gyn Research Division Seminar/ University of Vermont  
Cardiovascular Effects of Physiologic Estrogen 6/23/2002

Moderator: Scientific session  
New England Perinatal Research Society, Chatham, MA 10/3/02

Yale/ New Haven Hospital Obstetrical Research Seminar  
Pre-pregnancy Predisposition to Preeclampsia 10/9/02

UVM College of Medicine MD-Ph.D. Seminar Series  
Research in Integrative Physiology: Preeclampsia 3/11/03

National GCRC Meeting, American Federation for Medical Research Trainee Session  
Creating and Managing a Research Team 3/16/03

Tox Talx 2003  
Pre-pregnancy Phenotype and Preeclampsia, Mill Valley, CA. 6/28/03

UVM College of Medicine Thrombosis and Hemostasis Lecture Series  
Thrombosis and Inflammation: Elements of the Preeclamptic Phenotype 9/17/04

UVM College of Medicine MD-Ph.D. Seminar Series  
Vascular Pathophysiology of Hypertensive Pregnancy 10/05/04

UVM College of Medicine Nephrology Division  
Preeclampsia: Renal Contributions 11/19/04

UVM GCRC Staff Meeting: Protocol 786  
Findings and Implications for the Control of Uterine Blood Flow 1/25/05

Tox Talx 2005  
Intolerance to Volume Expansion: Epidemiologic Support, Mill Valley, CA. 6/26/05

Cardiology Research Conference  
Elements of the Preeclamptic Phenotype. 11/16/05

Moderator: Scientific session  
New England Perinatal Research Society, Newport, RI 9/27/06

Moderator: Scientific session  
Society for Gynecologic Investigation, Reno, NV 03/18/07

Tox Talx 2007

Preeclampsia or No Preeclampsia: You are the Decider. Mill Valley, CA. 6/23/07

Aspen Perinatal Biology Symposium

Clinical indices of Maternal Hemodynamics and Pregnancy Outcome. Aspen CO 8/25/07

Perinatal Research Society

Wither Toxemia (with apologies to JR), Savannah, GA, 9/27/07

Maternal Fetal Medicine Society Special Interest Group in Hypertension

Intolerance to Volume Expansion: A Physiologic Examination of Preeclampsia, Dallas TX, 1/28/08

Tox Talx 2009

If You Have Studied Two Preeclamptics: You Have Seen Two Preeclamptics,  
Mill Valley, CA 6/20/09

UVM College of Medicine Thrombosis and Hemostasis Lecture Series

Thrombosis and Inflammation: Pregnancy Related Changes and Association with Hypertensive  
Complications of Pregnancy 10/14/09

Surgical Research Retreat

Research at UVM/FAHC: The View From 30,000 Feet. 10/23/09

Ob/Gyn/ Reproductive Sciences Research Retreat

Physiological Assessment in Young Women with a Family History for Hypertension, Myocardial  
Infarction or Stroke 10/21/2010

Internal Medicine Research Retreat

Research at UVM/FAHC: NIH trends and Predictions 5/2011

Tox Talx 2011

Elements of a Prepregnancy Phenotype for Preeclampsia, Mill Valley, CA. 6/28/11

Writing a Competitive Research Grant

Perinatal Research Society 9/09, 9/10, 9/24/11

Tox Talx 2013

Why Does Preeclampsia Usually Not Recur? Mill Valley, CA. 6/22/13

No Name Society 2013

Recent Observations on the Origins of Preeclampsia. Abiquiu, NM 10/25/13

Predisposition to Preeclampsia

Departmental Research Seminar Kingston, Ontario 5/8/14

No Name Society 2014

Pregnancy Adaptation and Brain MRI Changes. Shelburne, VT 6/11/14



Tox Talx 2015

Subclinical Cardiovascular Distinctions of Women with Preeclampsia Mill Valley, CA 6/27/15

No Name Society 2015

Early Pregnancy Loss: Predictors and Association with Subsequent Pregnancy Outcome, Nassau, BH 11/8/15

Preliminary Examination of Prepregnancy Physiology and Subsequent Pregnancy Outcome  
Vascular Biology of Pregnancy Interest Group, UVM College of Medicine 2/22/16

Ob/Gyn/ Reproductive Sciences Research Retreat

Body Composition as a Contributor to Hypertension in Pregnancy 11/17/16

Tox Talx 2017

Preterm Preeclampsia: A Pregnancy Manifestation of the Metabolic Syndrome Mill Valley, CA 6/26/17

Department of Obstetrics and Gynecology Maine Medical Center, Portland, ME

What's New in Preeclampsia 6/7/17

Department of Obstetrics and Gynecology

Visiting Professor/ WRHR Symposium Keynote

Pregnancy and Preeclampsia: Insights into Origin of Disease

University of Washington, Seattle, WA 3/14-15/2018

Society for Reproductive Investigation Annual Meeting Workshop

What can Pregnancy Reveal about Maternal Cardiovascular Risk

Deep Phenotyping and Pregnancy Adaptation 3/14/19

Tox Talx 2019

Preeclampsia and BMD: A Potential Source of Vascular Stiffness, Mill Valley, CA 6/24/19

Deep Phenotyping in Preeclampsia

Global Pregnancy Collaboration (CoLab) annual conference Oxford England 9/2/19

Connecticut OBGYN Residency Research Day, 7th Annual

Danbury CT 9/26/19

Ob/Gyn/ Reproductive Sciences Research Retreat, University of Vermont College of Medicine

Obesity, Metabolic Syndrome and Preeclampsia 11/7/2019

Zooming in on Preeclampsia: Pre-pregnancy Predisposition to Preterm Preeclampsia

1/31/2022 Webinar

### **Postgraduate Courses**

Department of Obstetrics and Gynecology, Univ. of Vermont, Topnotch, Stowe, VT

Doppler Velocimetry in Antenatal Surveillance 9/90

Department of Family Practice, University of Vermont, Lake Placid, N.Y.

Current Concepts in Antenatal Surveillance 1/91

Department of Family Practice, University of Vermont, Lake Placid, N.Y.  
Controversies in Labor Management 1/91

Department of Obstetrics and Gynecology, Univ. of Vermont, Topnotch, Stowe, VT  
Ultrasound Findings in Fetal Trisomies 9/91

Department of Obstetrics and Gynecology, University of Vermont, Burlington, Vermont  
Preconceptional Counseling and Prenatal Diagnosis for the Primary Care Physician 9/94

Department of Obstetrics and Gynecology, University of Vermont, Burlington, Vermont  
A Critical Evaluation of Antepartum Testing in 1996 10/1/96

Vermont Department of Health: Low Birth Weight Conference  
Fletcher\*Allen Health Care, Burlington, Vermont  
Growth and Nutritional Aspects of Low Birth Weight 11/1/96

Vermont Department of Health: Low Birth Weight Conference  
Dartmouth-Hitchcock Medical Center, Lebanon, New Hampshire  
Growth and Nutritional Aspects of Low Birth Weight 11/19/96

International Symposium on Neonatal Intensive Care  
Milan, Italy/ Prevention of Prematurity: A Pharmacologic Approach 11/6/98

Society for Maternal Fetal Medicine: Special Interest Group in Diabetes  
"The Barker Hypothesis" Implications for Perinatal Diabetologists 1/18/99

Perinatal Update 2001, Memorial Health University Medical Center, Savannah, GA  
Fetal Growth Restriction: Who Has it and Why We Care 3/8/01

Perinatal Update 2001, Memorial Health University Medical Center, Savannah, GA  
How Does the Fetus Grow 3/9/01

Department of Obstetrics and Gynecology, University of Vermont, Burlington, Vermont  
Evaluation and Management of Growth Restricted Fetuses 10/8/01

Department of Obstetrics and Gynecology, University of Vermont, Burlington, Vermont  
What's New in Preeclampsia? 10/4/04

A Physiologic Approach to Understanding the Cause and Treatment of Preeclampsia  
North China Conference on High Risk Pregnancy and Fetal Maternal Medicine  
Xian China 5/10/08

Maternal Fetal Medicine Society Postgraduate Course  
Fetal Growth and Developmental Programming  
Diagnosis of IUGR: Population and Customized Growth Curves San Diego, 1/28/09

Maternal Fetal Medicine Society Postgraduate Course

Basic, Clinical and Translational Research Course  
Preparing a Competitive Grant Submission, 2/7/11

Philadelphia Prenatal Diagnosis Conference  
Hypertensive Disorders of Pregnancy: ACOG Definitions Revisited 5/17/12

New York State Society for Anesthesiologists  
Postgraduate Assembly in Anesthesiology  
What's New in Preeclampsia NY, NY 12/8/16

**Regional Outreach:**

1/28/92 Champlain Valley Physicians Hospital Transport Conference  
3/31/92 Central VT Hospital Transport Conference  
5/21/92 Porter Hospital Transport Conference  
11/12/92 Porter Hospital Transport Conference  
2/23/93 Rutland Hospital Fetal Monitoring Review  
3/23/93 Alice Hyde Hospital Fetal Monitoring Review  
4/13/93 Rutland Hospital Transport Conference  
10/5/93 Rutland Hospital Transport conference  
11/30/93 Alice Hyde Hospital Transport Conference  
1/11/94 Rutland Hospital Fetal Monitoring Review  
6/7/94 Rutland Hospital Transport Conference  
6/14/94 Alice Hyde Hospital Fetal Monitoring Review  
10/31/95 Rutland Regional Hospital Fetal Monitoring Review  
12/12/95 Rutland Regional Hospital Transport Conference  
12/20/95 Porter Hospital Fetal Monitoring Course  
1/2/97 Northwestern Regional Hospital Transport Conference  
1/23/97 Champlain Valley Physicians Hospital Transport Conference  
4/15/97 North Country Hospital Transport Conference  
5/27/97 Champlain Valley Physicians Hospital Fetal Monitoring Course  
6/3/97 Rutland Regional Hospital Transport Conference  
10/7/97 Central VT Hospital Transport Conference  
11/18/97 North Country Hospital Transport Conference  
12/16/97 Champlain Valley Physicians Hospital Fetal Monitoring Course  
3/9/98 Champlain Valley Physicians Hospital Transport Conference  
3/24/98 Central VT Hospital Transport Conference  
5/4/98 Alice Hyde Hospital Fetal Monitoring Review  
6/15/98 Rutland Regional Hospital Transport Conference  
9/15/98 Rutland Regional Hospital Fetal Monitoring Teleconference  
10/27/98 Central VT Hospital Fetal Monitoring Teleconference  
12/1/98 Rutland Regional Hospital Fetal Monitoring Teleconference  
12/15/98 Northwestern Regional Hospital Transport Conference  
1/28/99 Rutland Regional Hospital Fetal Monitoring Teleconference  
3/3/99 Champlain Valley Physicians Hospital Transport Conference  
5/17/99 Champlain Valley Physicians Hospital Fetal Monitoring Conference  
10/17/00 Champlain Valley Physicians Hospital Fetal Monitoring Conference  
11/13/00 North Country Hospital Transport Conference  
6/4/01 Rutland Regional Hospital Transport Conference  
6/5/01 Porter Hospital Transport Conference

12/13/01 Copley Hospital Fetal Monitoring Teleconference  
4/10/02 Porter Hospital Fetal Monitoring Teleconference  
4/11/02 Copley Hospital Fetal Monitoring Teleconference  
5/23/02 Champlain Valley Physicians Hospital Transport Conference  
6/17/02 Rutland Regional Hospital Transport Conference  
3/27/03 Canton–Potsdam Hospital Fetal Monitoring Teleconference  
5/27/03 Porter Hospital Transport Conference  
9/11/03 Central VT Hospital Fetal Monitoring Teleconference  
6/22/07 Champlain Valley Physicians Hospital Transport Conference  
6/24/08 Rutland Regional Hospital Fetal Monitoring Teleconference

**Other presentations:**

Nursing Inservice/University Health Center  
Doppler Velocimetry in Antenatal Surveillance 1991

Colchester High School/Science and Society Course  
Ethics of Human Fetal Tissue Research 1/6/92

Nursing Inservice/Medical Center Hospital of Vermont, Fetal Blood Sampling 2/27/92

Ultrasound Inservice/MCHV, Fetal Echocardiography 3/6/92

March of Dimes Birth Defects Update, Fetal Growth 10/21/93

University of Vermont/Internal Medicine Resident Conference  
Diabetes and pregnancy: Importance of Periconceptional Control 12/6/93

University of Vermont/Perinatal Physiology Group 2/2/94  
Fetal Growth Standards

University of Vermont/Endocrinology and Infertility Group, Prenatal Diagnosis 4/22/94

University of Vermont/Perinatal Physiology Group  
Fetal Growth Restriction Series Fall 1994

Nursing Inservice/Women's Health Care Service, FAHC  
Placenta Previa Percreta 11/13/95

Student Aspiring Midwives Association/ University of Vermont  
An Obstetricians Perspective on Midwifery 3/31/99

FAHC Board of Trustees "Mini-Retreat"  
Research Round Table Discussion 4/21/00

University of Vermont Dept. of Ob/Gyn / Endocrine/Infertility fellows lecture series  
Endocrinology of Pregnancy 6/16/00

University of Vermont/FAHC  
Clinical Research Coordinators Conference

The Function of the RSA Office within the GCRC 10/10/02

University of Vermont/FAHC  
GCRC Research Nurses Conference  
Review of Research Examining the Etiology of Preeclampsia 10/18/02

Resident Introduction to Clinical Research  
Introduction to Clinical Research: Regulatory Issues 10/30/02

University of Vermont/FAHC  
Clinical Research Coordinators Conference  
Adverse Event Reporting to the RSA Office 4/10/03

Resident Introduction to Clinical Research  
Introduction to Clinical Research: Regulatory Issues 11/03

University of Vermont/FAHC  
Clinical Research Coordinators Conference  
GCRC Human Subject Safety Surveillance 9/14/05

Fletcher Allen Health Care  
Women's Health Day Seminar  
Clinical Research on the Women's Health Care Service at Fletcher Allen Health Care 5/13/06

UVM College of Medicine Generations Course  
Epoch 1: Fluids During Pregnancy: Focus on Preeclampsia and Eclampsia  
11/05, 11/06, 11/07, 11/08, 10/09, 11/10, 11/11, 10/12, 11/13, 11/14

Fletcher Allen Health Care/University of Vermont  
Health Internship Community Rounds  
Eclampsia/ Preeclampsia Research Activity 5/24/06  
University of Vermont/FAHC  
GCRC Research Nurses Conference  
The Contribution of Prepregnancy Physiology to Diseases of Pregnancy 4/15/08

Department of Internal Medicine  
Resident Didactics  
Preeclampsia 4/16/08, 11/12/08

Fletcher Allen Health Care/University of Vermont  
Health Internship Community Rounds  
Research at the Academic Medical Center 2009-2012 4 times/year

Department of Obstetrics, Gynecology and Reproductive Sciences  
Fellow Didactic Series  
Evidence Based Approach to the Prevention and Treatment of Hypertension in Preeclampsia  
11/17/09

Department of Internal Medicine

Fellow Didactics: Nephrology, Preeclampsia Pathophysiology 3/10

Department of Obstetrics, Gynecology and Reproductive Sciences  
Resident Didactic Series: Case Based Approach to Hypertension in Preeclampsia 3/3/11

Department of Obstetrics, Gynecology and Reproductive Sciences  
Resident Didactic Series: IUGR 7/14/11

University of Vermont  
Community Medical School  
Clinical Trials at FAHC/UVM 9/2011

Department of Obstetrics, Gynecology and Reproductive Sciences  
Fellow Didactics: Uterine Hemodynamic Studies in Pregnancy: Clinical Significance 5/2013

University of Vermont/Endocrinology and Metabolism Division  
Pregpregnancy Preeclamptic Phenotype 1/22/14

Department of Obstetrics, Gynecology and Reproductive Sciences  
Fellow Didactic Series  
Research Grant Writing specific Aims and Preliminary Data 07/31/14

Department of Obstetrics, Gynecology and Reproductive Sciences  
University of Vermont Medical Center/Fellow Didactic Series  
Prenatal Imprinting and Fetal Origins of Adult Disease 12/10/14

Invited Lectureship/ Roland Cron Memorial Lecture  
Preeclampsia: Not Just a Disease of Pregnancy  
Medical College of Wisconsin Department of Obstetrics and Gynecology. 6/24/15

Hypertension in Pregnancy  
Vermont AWHONN Conference  
Burlington, VT 10/8/15

Short and Long Term Implications of Hypertension in Women  
CVRI of Vermont Community Rounds  
Burlington, VT 2/1/16

Short and Long Term Implications of Hypertension in Pregnancy  
UVMAC Academic Medical Center Foundation  
Burlington, VT 3/2/16

What Causes Preeclampsia?  
Preeclampsia Foundation Webinar  
3/15/16

AJP Heart and Circulation podcast: Vascular Stiffness and Preeclampsia  
<https://www.dropbox.com/s/ozp8fn79c7yvvxu/Van%20Der%20Graff%20podcast%20with%20cuts%208-1-16.mp3?dl=0>

6/30/16

Pregnancy and Preeclampsia: Insights into Women's Health  
UVM University Scholar Series  
2/8/17

Developmental Origins of Adult Disease  
Ob/Gyn 200  
Graduate Course, University of Vermont 9/2017, 9/2018, 8/2019, 9/2020

Regional Obstetric Services  
Population Health and Quality Committee, University of Vermont Health Network 12/10/18

Preeclampsia: When to Deliver  
Review of HYPITAT  
University of Vermont Medical Center/Fellow Didactic Series 12/19/18  
UVMHC Birthing Nursing Staff 2/5/19  
Alice Hyde Medical Center 5/9/19