

METHODIUS G. TUULI, MD, MPH, MBA, MA (*ad eundem*)

Born: September 21, 1972
Accra, Ghana

Citizenship: United States of America

Address: 190 Lynn Circle
East Greenwich, RI02818
Phone: 678 558 2874
Email: mtuuli@wihri.org

Present Position: Chace-Joukowsky Professor and Chair
Department of Obstetrics & Gynecology
Brown University School of Medicine

Chief of Obstetrics & Gynecology, Women & Infants Hospital

Executive Chief of Obstetrics & Gynecology, Care New England
Health System

Visiting Scholar
Department of Obstetrics & Gynecology
University of Ghana School of Medicine

Education:

Undergraduate:

1994-1997 B.Sc. – *Medical Sciences*
University of Ghana
Accra, Ghana

Graduate:

1997-2001 M.D.
University of Ghana Medical School
Accra, Ghana

Postgraduate:

2002-2003 M.P.H. – *Maternal & Child Health*
University of California at Berkeley
Berkeley, California

2004-2008 Residency – *Obstetrics & Gynecology*
Emory University School of Medicine
Atlanta, Georgia

2008-2011 Fellowship – *Maternal-Fetal Medicine*
Washington University School of Medicine, St. Louis, Missouri

- 2016 Certificate – *Academic Medical Leadership Program for Physicians and Scientists*
Olin Business School/Washington University School of Medicine
- 2018-2020 MBA – *Business of Medicine Physician MBA*
Kelley School of Business, Indiana University
- 2021 Certificate – *Leadership Development to Advance Equity in Health Care*
Harvard T.H. Chan School of Public Health

Employment:

- 2001-2002 Intern, Obstetrics & Gynecology, and Internal Medicine
Korle-bu Teaching Hospital
Accra, Ghana
- 2003-2004 Reproductive Health Specialist
Family Reproductive Health Program
Save the Children (UK) Ghana Country Program
Accra, Ghana
- 2011-2016 Assistant Professor (Tenure Track)
Division of Maternal-Fetal Medicine
Department of Obstetrics & Gynecology
Washington University School of Medicine
St. Louis, Missouri
- 2014-2016 Medical Director of Labor and Delivery
Barnes Jewish Hospital
St. Louis, Missouri
- 2016-2018 Chief, Division of Clinical Research
Department of Obstetrics & Gynecology
Washington University School of Medicine
St. Louis, Missouri
- 2016-2018 Associate Professor with Tenure
Division of Maternal-Fetal Medicine
Department of Obstetrics & Gynecology
Washington University School of Medicine
St. Louis, Missouri
- 2018-2021 William H. and Sallie E. Coleman Professor with Tenure
Division of Maternal-Fetal Medicine
Department of Obstetrics & Gynecology
Indiana University School of Medicine

Indianapolis, Indiana

- 2018-2021 Vice Chair for Obstetrics
Department of Obstetrics & Gynecology
Indiana University School of Medicine
Indianapolis, Indiana
- 2018-2021 Director of Perinatal Research
Department of Obstetrics & Gynecology
Indiana University School of Medicine
Indianapolis, Indiana
- 2021- Chace-Joukowsky Professor and Chair
Department of Obstetrics & Gynecology
Brown University School of Medicine
- 2021- Visiting Scholar
Department of Obstetrics & Gynecology
University of Ghana Medical School

University and Hospital Appointments and Committees:

- 2006-2008 Residency Oversight Committee
Emory University
- 2007 Resident Representative, Graduate Medical Education Site Visit
Emory University
- 2007-2008 Graduate Medical Education Committee
Emory University
- 2014-2016 Member, Quality Improvement Committee
Labor and Delivery, Barnes Jewish Hospital
- 2016-2018 Residency Oversight Committee
Department of Obstetrics & Gynecology
Washington University School of Medicine
- 2016-2018 Executive Committee
Department of Obstetrics & Gynecology
Washington University School of Medicine
- 2019-2021 OB/GYN Chief
Indiana University Health
- 2021- Chief of Obstetrics & Gynecology
Women & Infants Hospital

- 2021- Executive Chief of Obstetrics & Gynecology
Care New England Health System
- 2021 Member, Chief of Pediatrics Search Committee
Warren Alpert School of Medicine at Brown University
- 2021 Member, Dean Search Committee
Warren Alpert School of Medicine at Brown University
- 2021 Member, Chair of Family Search Committee
Warren Alpert School of Medicine at Brown University
- 2022 Co-Chair, Chief Nursing Officer Search Committee
Women and Infants Hospital
- 2022 Co-Chair, Director of Memory and Aging Program of Search Committee
Butler Hospital, Care New England

Medical Licensure and Board Certification:

Licensure:

- 2004-2008 Georgia (elective inactive)
- 2008-2018 Missouri (elective inactive)
- 2015- Illinois
- 2018- Indiana
- 2021- Rhode Island

Certification:

- 2003 Certified
Educational Commission for Foreign Medical Graduates
- 2010 Board certified, *Obstetrics & Gynecology*
American Board of Obstetrics and Gynecology
- 2013 Board Certified, *Maternal-Fetal Medicine*
American Board of Obstetrics and Gynecology

Clinical Title and Responsibilities:

- 2011-2018 Attending Physician – *Maternal-Fetal Medicine*
Barnes Jewish Hospital & Missouri Baptist Medical Center, St. Louis, MO
- 2018-2021 Attending Physician – *Maternal-Fetal Medicine*
Indiana Univeristy School of Medicine, Indianapolis, Indiana

2021- Attending Physician – *Maternal-Fetal Medicine*
Women and Infants Hospital of Rhode Island

Teaching Title and Responsibilities:

2011-2014 Markey Course for Physician-Scientist Scholars
Washington University School of Medicine in St. Louis, Missouri

2011-2018 Study Design and Basic Biostatistics
Second Year Residents Annual Research Retreat
Washington University School of Medicine in St. Louis, Missouri

2012-2018 Systematic Reviews for Public Health and Clinical Medicine
Master of Public Health Science (MPHS) Program
Washington University School of Medicine in St. Louis, Missouri

2011-2018 Early Pregnancy Complications
Medical Students Obstetrics Module
Washington University School of Medicine in St. Louis, Missouri

2014 Thrombophilias in Pregnancy
Resident Core Lectures
Washington University School of Medicine in St. Louis, Missouri

2014 Coagulation Disorders, Prolonged Pregnancy
MFM Fellow Core Lectures
Washington University School of Medicine in St. Louis, Missouri

2016-2018 Difficult Cesarean Delivery, Evidence-based Perinatal Medicine
MFM Fellow Core Lectures
Washington University School of Medicine in St. Louis, Missouri

2017-2018 Applied Epidemiology Seminar for OB/GYN Fellows
Washington University School of Medicine in St. Louis, Missouri

2018-2020 Normal and Abnormal Labor, Study Design
Resident Core Lectures
Indiana University School of Medicine, Indianapolis, Indiana

2018-2020 Thrombophilia in Pregnancy
MFM Fellows Core Lectures
Indiana University School of Medicine, Indianapolis, Indiana

2020 Study Design, Basic Biostatistics
Resident Research Retreat
Indiana University School of Medicine, Indianapolis, Indiana

- 2020 Diagnostic Studies
Department of Obstetrics and Gynecology
Indiana University School of Medicine, Indianapolis, Indiana
- 2021 Building a Career in Academic Medicine
Department of Obstetrics and Gynecology
Brown University School of Medicine
- 2022 Building a Career in Academic Medicine
Department of Obstetrics and Gynecology
Brown University School of Medicine
- 2023 Postpartum hemorrhage control devices: a Primer
Department of Obstetrics and Gynecology
Brown University School of Medicine
- 2023 Building a Career in Academic Medicine
Department of Obstetrics and Gynecology
Brown University School of Medicine

Editorial/Grant Review Responsibilities:

- 2009 *Reviewer*, Hofmeyr/A Cochrane Pocketbook: Pregnancy and Childbirth
- 2009- *Reviewer*, American Journal of Obstetrics & Gynecology
- 2009- *Reviewer*, British Journal of Obstetrics & Gynaecology
- 2009- *Reviewer*, Obstetrics & Gynecology International
- 2010- *Reviewer*, Journal of Neonatal-Perinatal Medicine
- 2010- *Reviewer*, Obstetrics & Gynecology
- 2011- *Reviewer*, Maternal-Fetal & Neonatal Medicine
- 2011- *Reviewer*, Ultrasound in Obstetrics & Gynecology
- 2014- *Reviewer*, American Journal of Perinatology
- 2015- *Reviewer*, Journal of Perinatology
- 2016-2018 *Associate Editor*, American Journal of Perinatology
- 2019- *Senior Reviewer*, Society for Maternal Fetal Medicine
- 2019 *Adhoc Reviewer*, Pregnancy and Neonatology (PN) Study Section

- Center for Scientific Review, Center for Scientific Review, NIH
- 2020 *Adhoc Reviewer, Pregnancy and Neonatology (PN) Study Section*
Center for Scientific Review, Center for Scientific Review, NIH
- 2020 *Adhoc Reviewer, ZNS1 SRB-A(31), Center for Scientific Review, NIH*
- 2020- *Reviewer, Journal of the American Medical Association*
- 2021- *Member, Pregnancy and Neonatology (PN) Study Section*
Center for Scientific Review, Center for Scientific Review, NIH
- 2022- *Member, Editorial Board*
Obstetrics & Gynecology
- 2022- *Board Examiner, General Obstetrics & Gynecology*
American Board of Obstetrics and Gynecology
- 2023 *Adhoc Reviewer, PCORI*

Professional Societies and Organizations:

- 2011- *Member, Society for Maternal Fetal Medicine (SMFM)*
- 2013- *Fellow, American College of Obstetricians & Gynecologists (ACOG)*
- 2013 - 2015 *Member, Committee on Obstetric Practice, ACOG*
- 2015 - 2016 *Moderator, Perinatal Epidemiology Forum, SMFM*
- 2015 - 2018 *Member, Publications Committee, SMFM*
- 2015 - 2018 *Member, Obstetric Practice Bulletin Committee, ACOG*
- 2018-2019 *Steering Committee Chair, NICHD Global Research Network*

Honors and Awards:

Undergraduate Awards:

- 1992 Prize for Distinguished Performance, GCE Advanced Level Examination
West African Examinations Council
- 1994 Legon Hall Award for Outstanding Academic Performance
University of Ghana
- 1997 Honors in Pathology, Microbiology and Pharmacology

- University of Ghana Medical School
- 1997 Award for Best Student in Medical Sciences
University of Ghana Medical School
- 1997 Prof H H Philips Prize in Physiology
University of Ghana Medical School
- 1997 Award for Best Student in Pharmacology
University of Ghana Medical School

Graduate Awards:

- 2001 DANAFCO Prize for Best All-round Student
University of Ghana Medical School
- 2001 Best Student in MBChB Final Part I Examination
University of Ghana Medical School
- 2001 Ghana Medical Association Award for Best Student
University of Ghana Medical School
- 2001 David Scott Prize in Community Health
University of Ghana Medical School
- 2001 Society of Obstetricians & Gynecologists of Ghana Prize for Best Student in
Obstetrics & Gynecology, University of Ghana Medical School
- 2001 Nana Wereko Ampem Prize for Best Student in Obstetrics
& Gynecology, University of Ghana Medical School
- 2001 Kofi Newman Prize in Clinical Obstetrics
University of Ghana Medical School
- 2001 Lucy Peprah Tawiah Prize for Best Male Student in Obstetrics
& Gynecology, University of Ghana Medical School
- 2001 Achampong Prize in Clinical Surgery
University of Ghana Medical School
- 2001 Charles Easmon Prize in Surgery
University of Ghana Medical School
- 2001 Shell Prize for Best Student in Medicine
University of Ghana Medical School
- 2001 Alcon/Paracelsus Prize in Ophthalmology
University of Ghana Medical School

2001 Honors in Obstetrics & Gynecology, Pediatrics and Community Health
University of Ghana Medical School

Postgraduate Awards:

2002-2003 Rotary Ambassadorial Scholar
Rotary International

2002 Wellness Scholar
University of California, Berkeley

2005-2006 Best Resident Award
Emory University

2005-2008 Honor Roll for High CREOG Examination Score
Emory University

2006 Berlex Best Teaching Resident Award
Emory University

2006-2007 Golden Apple Teaching Award
Emory University

2007 First Prize Award
41st John D. Thompson Resident Research Day
Atlanta Obstetrical and Gynecological Society

2007 Young Investigator Award
North American Society for the Study of Hypertension in pregnancy

2007-2008 Chief Administrative Resident
Emory University

2008-2011 Professional Development Award
Obstetrix Medical Group

2010 NIH Travel Award for Early Career Researchers
International Federation of Placenta Associations

2010 Outstanding Reviewer (top 5%)
American Journal of Obstetrics & Gynecology

2010 President's Award for Best Research Presentation
St Louis Obstetrical and Gynecological Society

2011 Fellow Teacher of the Year
Department of Obstetrics & Gynecology

Washington University School of Medicine

Faculty Awards:

- 2011 Faculty Diversity Scholar
Washington University School of Medicine
- 2013 Best Poster Award (Second Prize)
Women’s Reproductive Health Research Scholars Conference
- 2014 **Roy M. Pitkin Award** for outstanding article in *Obstetrics & Gynecology* -
Co-author
- 2015 Best Oral Presentation Award (Concurrent Session 7) – Senior Author
35th Annual Maternal Fetal Medicine conference
- 2015- Best Doctors in America
Best Doctors Inc.
- 2016 Best Oral Presentation Award (Concurrent Session 2) – Co-author
36th Annual Society for Maternal Fetal Medicine conference
- 2017 Best Poster Presentation Award (Poster Session I) – Co-author
37th Annual Society for Maternal Fetal Medicine conference
- 2017 **Top 10 Clinical Research Achievement Award**
Clinical Research Forum
- 2018 **Research Excellence Award** – Co-author
American Journal of Obstetrics & Gynecology
- 2018 Best Poster Presentation Award (Poster Session V) – Co-author
38th Annual Society for Maternal Fetal Medicine conference
- 2020 Best Oral Presentation Award (Concurrent Session III) – First-author
40th Annual Society for Maternal Fetal Medicine conference
- 2020 Best Oral Presentation Award (Concurrent Session III) – First author, 40th
Annual Society for Maternal Fetal Medicine conference
- 2020 President’s Award, American Obstetrical and Gynecological Society (AGOS)
- 2022 Best Oral Presentation Award (Concurrent Session 9) – Co-author, 42nd
Annual Society for Maternal Fetal Medicine conference
- 2022 Master of Arts *ad eundem*
Brown University

2022 Elected Member, American Obstetrical and Gynecological Society (AGOS)

Major Invited Lectures and Professorships:

- 2000 Psychosocial Problems of the Adult Sickle Cell Disease Patient
University of Ghana Medical School
- 2003 Racial Differences in Neonatal Mortality in California
University of California, Berkeley
- 2003 Reducing Maternal Mortality in Developing Countries
University of California, Berkeley
- 2005 Premature Ovarian Failure
Reproductive Endocrinology Research Conference, Emory University
- 2006 Evidence-based Surgery for Cesarean Delivery
Grand Rounds, Emory University
- 2007 Preconception Management of Common Medical Conditions
Reproductive Endocrinology Research Training Conference, Emory University
- 2007 Value of Uterine Artery Score in the Prediction of Preeclampsia in a
Predominantly African American/Hispanic Population
North American Society for the Study of Hypertension in Pregnancy
- 2007 Contraceptive Choice among HIV Positive Patients in the Era of
HAART and Scheduled Cesarean Delivery
41st John D. Thompson Resident Research Day, Emory University
- 2008 "Blind Hole?" (Septo-Optic Dysplasia)
Pediatrix 'University'- Ultrasound Wing
- 2010 Abdominal Wall Defects: estimating weight, predicting outcomes
Department of Obstetrics and Gynecology Grand Rounds
University of Florida, Gainesville, Florida
- 2010 Does Superimposed Preeclampsia Result in Worse Perinatal Outcomes
than De Novo Preeclampsia?
St. Louis Obstetrical and Gynecological Society
- 2010 "Too Close for Comfort?" (Conjoined Twins)
Pediatrix 'University'- Ultrasound Wing
- 2011 Evidence-based Cesarean Delivery Techniques
Department of Obstetrics and Gynecology Grand Rounds
Washington University School of Medicine

- 2012 Using existing data and meta-analysis for obesity research
Perinatal Epidemiology Forum
Society for Maternal Fetal Medicine 32nd Annual Meeting, Dallas, TX
- 2012 Systematic Reviews and Meta-analyses: A primer for OB/GYNs
Department of Obstetrics and Gynecology Grand Rounds
Washington University School of Medicine
- 2012 Postpartum hypertension: Preventing Re-admissions
Women & Infants Conference
Barnes-Jewish Hospital, St Louis, MO
- 2013 Prediction and Prevention of Preterm Birth: Role of Cervical Length Measurement and Progesterone
Department of Obstetrics and Gynecology Grand Rounds
Emory University School of Medicine, Atlanta, GA
- 2013 The Sonographically Short Cervix: What Should the Good Doctor Do?
Georgia Obstetrical & Gynecological Society and Georgia Section
ACOG 62nd Annual Meeting, Greensboro, GA
- 2013 Preventing Postcesarean Infection: What Should We Be Doing?
Georgia Obstetrical and Gynecological Society and Georgia Section ACOG 62nd
Annual Meeting, Greensboro, GA
- 2013 Update on Preeclampsia
Graduate Education Seminar, Mekelle University, Ethiopia
- 2013 Management of Preterm Labor
Graduate Education Seminar, Mekelle University, Ethiopia
- 2013 Vaginal Microbiome and Preterm Birth
Reproductive Epidemiology Course, Saint Louis University, St Louis, MO
- 2014 Serial Cervical Lengths: any utility, when and for whom? (con)
Obstetrical Controversies and Debates
Society of Maternal Fetal Medicine 34th Annual Meeting, New Orleans, LA
- 2014 Propensity Score Analysis: Useful tool for Perivable Observational Data?
Perinatal Epidemiology Forum
Society of Maternal Fetal Medicine 34th Annual Meeting, New Orleans, LA
- 2014 Fetal Therapy for Prematurity
WUSM & BJC/SLCH postgraduate course, Cox South Hospital Springfield, MO
- 2015 How to integrate multiple findings on second trimester ultrasound for risk

- prediction of fetal aneuploidy: harder than you think
Postgraduate Course
Society of Maternal Fetal Medicine 35th Annual Meeting, San Diego, CA
- 2015 Obstetric Protocols Update: Use of aspirin in pregnancy
Department of Obstetrics and Gynecology Grand Rounds
Washington University School of Medicine, St. Louis, MO
- 2016 Putting the “M” back in MFM – Current State of Disparity Research
Society of Maternal Fetal Medicine 36th Annual Meeting, Atlanta, GA
- 2016 Putting the “O” back in MFM - First Stage of Labor
Society of Maternal Fetal Medicine 36th Annual Meeting, Atlanta, GA
- 2016 Preventing Surgical Site Infection after Cesarean
Department of Obstetrics and Gynecology Grand Rounds
Mercy Hospital, St. Louis, MO
- 2016 Preventing Surgical Site Infection after Cesarean: an Evidence-based Perspective
The W. Newton Long Lectureship in Obstetrics
Department of Obstetrics and Gynecology
Emory University, Atlanta, GA
- 2016 Clinical Pearls for the OB-GYNs: Postpartum Hemorrhage
OBGYN Symposium
Missouri Baptist Medical Center, St Louis, MO
- 2017 Evidence-based Prevention of Infection after Cesarean
Department of Obstetrics and Gynecology Grand Rounds
University of Kansas Medical Center
- 2017 Systematic Reviews and Meta-analyses
Society of Maternal Fetal Medicine Fellows Lecture Series
- 2017 My Path in Clinical Research
29th Annual NICHD Conference on Maternal-Fetal-Neonatal-Reproductive Medicine
Ithaca, IL
- 2017 Preventing of surgical site infection after cesarean in obese and diabetic women
Diabetes in Pregnancy Study Group of North America (DPSG-NA) 15th Biennial Meeting, Washington DC
- 2017 Prevention of surgical site infection after cesarean: An update of the evidence
Department of Obstetrics and Gynecology Grand Rounds
Indiana University, Indianapolis, IN
- 2018 Preventing Postcesarean Infection

- Luncheon Roundtable Discussion
Society of Maternal Fetal Medicine 38th Annual Meeting, Dallas, TX
- 2018 Grantsmanship
Noguchi Memorial Center for Medical Research, University of Ghana, Legon
- 2018 My Path in Clinical Research
30th Annual NICHD Conference on Maternal-Fetal-Neonatal-Reproductive
Medicine, Washington DC
- 2019 We Can Reduce SSI Without Bundles
Postgraduate Course: Obstetric Complications Debates
Society of Maternal Fetal Medicine 39th Annual Meeting, Las Vegas, NV
- 2019 Infection Prophylaxis for CS: How Much is Too Much?
Postgraduate Course: Controversies in Labor and Delivery
Society of Maternal Fetal Medicine 39th Annual Meeting, Las Vegas, NV
- 2019 Preventing of surgical site infection after cesarean in obese and diabetic women
Diabetes in Pregnancy Study Group of North America (DPSG-NA) 16th Biennial
Meeting, Washington DC
- 2019 Grantsmanship
Grantsmanship Training, Noguchi Memorial Center for Medical Research, University
of Ghana, Legon
- 2020 Updates on the second stage of labor
Grand Rounds, Bloomington Hospital, Bloomington, IN
- 2020 Delayed pushing in the second stage of labor
Grand Rounds, Christiana Health Care System, Newark, DE
- 2020 Updates on Prevention and Management of Prematurity
Columbus Regional Medical Center, Columbus, IN
- 2021 Whither Prophylactic Negative Pressure Wound Therapy after Cesarean Delivery?
The George Nolan Lectureship
Department of Obstetrics and Gynecology
University of Michigan, Ann Arbor, MI
- 2022 Iron Deficiency Anemia in Pregnancy: Can We Do Better?
Keynote Speaker, Research Retreat
Department of Obstetrics and Gynecology
Colorado University of Michigan, Denver, CO
- 2023 Intrauterine postpartum hemorrhage control devices
The Luella Klein Lectureship

Georgia Obstetrical and Gynecologic Society Annual Meeting
Hilton Head, SC

Selected Mentees:

Mentee Name	Rank, Institution	Research Interest/Funding	Period	Selected Publications
Shelby Kleweis, MD	Assistant Professor, Washington University in St Louis	Obesity and GBS colonization in Pregnancy	2011 - 2015	Kleweis S , Cahill AG, Odibo AO, Tuuli MG . Maternal obesity and rectovaginal group B Streptococcus colonization at term. <i>Infect Dis Obstet Gynecol</i> . 2015, Volume 2015, Article ID 586767, 5 pages. PubMed PMID: 26300620
Molly Stout, MD, MSCI	MFM Division Chief Associate Professor (with tenure) University of Michigan, Ann Arbo	Vaginal microbiome and preterm birth K12 March of Dimes Prematurity Grant Frankle Innovation Award 1st R01 2nd R01	2009 - present	Stout MJ , Macones GA, Tuuli MG . Accuracy of birth certificate data for classifying preterm birth. <i>Paediatr. Perinat. Epidemiol</i> . 2017; May 31(3):245-249. PMID: 28370345 Stout MJ , Zhou Y, Wylie KM, Tarr PI, Macones GA, Tuuli MG . Early pregnancy vaginal microbiome trends and preterm birth. <i>Am J Obstet Gynecol</i> . 2017, May 23 [Epub ahead of print]. PMID: 28549981 Wylie KM, Wylie TN, Cahill AG, Macones GA, Tuuli MG , Stout MJ . The Vaginal Eukaryotic DNA Virome and Preterm Birth. <i>Am J Obstet Gynecol</i> . 2018; May 5. [Epub ahead of print] PMID: 29738749. Wylie KM, Blankenship SA, Tuuli MG , Macones GA, Stout MJ . Evaluation of patient- versus provider-collected vaginal swabs for microbiome analysis during pregnancy. <i>BMC Res Notes</i> . 2018 Oct 5;11(1):706. PMID: 30290831
Jennifer Durst, MD	Attending MFM Physician, Ochsner Medical Center Louisiana	Prophylactic Furosemide for preventing severe postpartum preeclampsia Placenta Previa	2013 - 2016	Durst JK , Tuuli MG , Temming LA, Hamilton O, Dicke JM. Resolution of a Low-Lying Placenta and Placenta Previa Diagnosed at the Midtrimester Anatomy Scan. <i>J Ultrasound Med</i> . 2018 Aug;37(8):2011-2019. Durst JK , Tuuli MG , Stout MJ, Macones GA, Cahill AG. Degree of obesity at delivery and risk of preeclampsia with severe features. <i>Am J Obstet Gynecol</i> . 2016 May;214(5):651.e1-5
Abubakar Bello, MBChB, PhD	Lecturer, Usmanu Danfodiyo University, Nigeria	Pelvimetry and labor outcomes	2016 - 2017	X-ray Pelvimetry and Labor Outcomes (PhD Thesis; Usmanu Danfodiyo University, Sokoto, Nigeria)
Ebony Carter, MD, MPH	Interim Chief, Division of Clinical Research Assistant Professor (tenure track) Washington University in St Louis	Innovative Models of prenatal care for improving pregnancy outcomes Harold Amos Faculty Development ADA Career Development K23	2013 - present	Carter EB , Temming LA, Akin J, Fowler S, Macones GA, Colditz CA, Tuuli MG . Group prenatal care compared with traditional prenatal care: a systematic review and meta-analysis. <i>Obstet Gynecol</i> . 2016 Sep;128(3):551-61. PubMed PMID:27500348 Carter EB , Tuuli MG , Odibo AO, Macones GA, Cahill AG. Prenatal visit utilization and outcomes in pregnant women with type II and gestational diabetes. <i>J Perinatol</i> . 2017 Feb;37(2):122-126. PMID: 27735930 Carter EB , Barbier K, Sarabia R, Macones GA, Cahill AG, Tuuli MG . Group versus traditional prenatal care in low risk women delivering at term: a Retrospective Cohort Study. <i>J Perinatol</i> . 2017, Mar 30. [Epub ahead of print]. PMID: 28358385

		R01		<p>Carter EB, Conner S, Cahill AG, Rampersad RM, Macones GA, Tuuli MG. Impact of fetal growth on pregnancy outcomes in women with severe preeclampsia. <i>Pregnancy Hypertens</i>. 2017; Apr; 8:21-25. PMID: 28501274</p> <p>Carter EB, Temming LA, Fowler S, Eppes C, Gross G, Srinivas SK, Macones GA, Colditz GA, Tuuli MG. Evidence-based bundles and cesarean surgical site infections: a systematic review and meta-analysis. <i>Obstet Gynecol</i>. 2017 Sep 5. [Epub ahead of print] PMID: 28885421</p> <p>Carter EB, Martin S, Temming LA, Colditz GA, Macones GA, Tuuli MG. Early versus 6-12 week postpartum glucose tolerance testing for women with gestational diabetes. <i>J Perinatol</i>. 2017 Oct 19. [Epub ahead of print] PMID: 29048411</p> <p>Mazzoni S, Hill P, Briggs A, Barbier K, Cahill A, Macones G, Colditz G, Tuuli M, Carter E. The effect of group prenatal care for women with diabetes on social support and depressive symptoms: a pilot randomized trial. <i>J Matern Fetal Neonatal Med</i>. 2018 Sep 25:1-6. [Epub ahead of print]. PMID: 30251569</p>
Nandini Raghuraman, MD, MS	Assistant Professor (tenure track) Washington University in St Louis	Role of oxygen supplementation for intrauterine resuscitation during labor Doris Duke SMFM/AOGF K23 R01	2015-present	<p>Raghuraman N, Temming LA, Stout MJ, Macones GA, Cahill AG, Tuuli MG. Intrauterine hyperoxemia and risk of neonatal morbidity. <i>Obstet Gynecol</i>. 2017; Apr; 129(4):676-682. PMID: 28277364</p> <p>Raghuraman N, Temming LA, Stout MJ, Macones GA, Cahill AG, Tuuli MG. Umbilical cord oxygen content and neonatal morbidity at term. <i>Am J Perinatol</i>. 2017; Oct 11. [Epub ahead of print] PMID: 29020696</p> <p>Raghuraman N, Wan L, Temming LA, Woolfolk C, Macones GA, Tuuli MG, Cahill AG. Oxygen for Intrauterine Fetal Resuscitation: A Randomized Noninferiority Clinical Trial. JAMA Pediatr. 2018 Sep 1;172(9):818-823.</p>
Jeanine Rhoads, MD, MSCI	Assistant Professor, University of Wisconsin	Transabdominal versus transvaginal cervical Length assessment for prevention of preterm birth	2015 - 2018	Rhoades J , Park J, Stout MJ, Macones GM, Cahill AG, Tuuli MG . Can transabdominal cervical length measurement exclude short cervix? <i>Am J Perinatol</i> . 2016 Apr;33(5):473-9. PubMed PMID:26523740
Lorene Temming, MD, MSCI	Attending MFM Physician Charlotte, NC	Prevention of surgical site infection after cesarean delivery	2015- 2018	Temming LA , Raghuraman N, Carter EB, Stout MJ, Rampersad RM, Macones GA, Cahill AG, Tuuli MG . Impact of evidence-based interventions on wound complications after cesarean. <i>Am J Obstet Gynecol</i> . 2017, Jun 7. [Epub ahead of print] PMID: 28601567
Adam Lewkowitz, MD, MSCI	Assistant Professor (tenure track) Brown University	The role of intravenous iron in the treatment of iron deficiency anemia in pregnancy K23	2016 - present	Lewkowitz AK , Gupta A, Simon L, Sabol BA, Stoll C, Cooke E, Rampersad RA, Tuuli MG . Intravenous compared with oral iron for the treatment of iron-deficiency anemia in pregnancy: a systematic review and meta-analysis. <i>J Perinatol</i> . 2019 Jan 28. [Epub ahead of print]. PMID: 30692612
Joshua Rosenbloom, MD, MPH	Physician, Hadassah University Medical Center	Antenatal corticosteroids and Pregnancy outcomes Placenta Accreta	2016 - 2019	<p>Rosenbloom J, Lewkowitz AK, Tuuli MG. Weighing the Risks and Benefits of Antenatal Late-Preterm Steroids. JAMA Pediatr. 2018; May 29. [Epub ahead of print] PMID: 29813144</p> <p>Rosenbloom JI, Hirshberg JS, Stout MJ, Cahill AG, Macones GA, Tuuli MG. Clinical Diagnosis of Placenta Accreta and</p>

				Clinicopathological Outcomes. <i>Am J Perinatol.</i> 2019 Jan;36(2):124-129. Epub 2018 Sep 7. PMID: 30193384 Rosenbloom JI , Lewkowitz AK, Sondgeroth KE, Hudson JL, Macones GA, Cahill AG, <u>Tuuli MG</u> , Chang SH. Antenatal corticosteroid administration in late-preterm gestations: a cost-effectiveness analysis. <i>J Matern Fetal Neonatal Med.</i> 2018 Nov 15:1-7. [Epub ahead of print]. PMID: 30353764
Lulu Yu, MD, MPHS	OB/GYN Resident, Washington University in St Louis	Prophylactic negative pressure wound therapy for prevention of surgical site infection after cesarean	2016 - 2017	Yu L , Kronen RJ, Simmon LE, Stoll CRT, Colditz GA, <u>Tuuli MG</u> . Prophylactic negative pressure wound therapy after cesarean is associated with reduced risk of surgical site infection: a systematic review and meta-analysis. <i>Am J Obstet Gynecol.</i> 2017 Sep 23. [Epub ahead of print] PMID: 28951263
Kristina Sondgeroth MD	Assistant Professor, Southern Illinois University	Morbidity after multiple cesarean delivery	2016 - 2019	Sondgeroth KE , Wan L, Rampersad RM, Stout MJ, Macones GA, Cahill AG, <u>Tuuli MG</u> . Risk of Maternal Morbidity with Increasing Number of Cesareans. <i>Am J Perinatol.</i> 2018 Oct 29. [Epub ahead of print]. PMID: 30372778
Katherine H. Bligard, MD	MFM Fellow, Washington University in St Louis	Predictors of intraoperative cesarean morbidity	2017 - 2018	Bligard KH , Durst JK, Stout MJ, Martin S, Cahill AG, Macones GA, <u>Tuuli MG</u> . Risk Factors and Maternal Morbidity Associated with Unintentional Hysterotomy Extension at the Time of Cesarean Delivery. <i>Am J Perinatol.</i> 2018 Nov 30. [Epub ahead of print]. PMID: 30500960

Research Grants:

Pending

1. Bill and Melinda Gates Foundation – INV-047884- Gabard-Durnam (Northeastern University)
Role: **Site Principal Investigator**

Scalable EEG-based neuromodeling of early development: detecting sensitive windows for intervention

04/2023 – 03/2026

\$475,000

The goal of this project is to apply mobile 8-channel EEG to offspring of mothers in a randomized trial of IV versus oral iron for iron-deficiency anemia in pregnancy to as part of a consortium seeking to detect sensitive windows of early brain development for intervention.

2. NIH - 1P50MD019490-01– Poitevien/Tuuli

Role: **Principal Investigator**

EMBRACE: Empowering Minoritized Biomedical Researchers via Community Engagement

04/01/2024 – 03/31/2029

\$ 4,027,673

The goal of Empowering Minority Biomedical Researchers via Community Engagement (EMBRACE) is to recruit, train and retain the next generation of underrepresented investigators and provide them training, mentorship and funding to engage in impactful, community engaged research on health disparities in Rhode Island.

3. NIH/NICHD - R01 HD105855-01A1– Tuuli/Russo

Role: **Principal Investigator**

A Randomized Trial of Chatbot for Prenatal Genetic Counseling

05/01/2022 – 03/31/2027

\$ 4,288,136

The goal of this project is to create and evaluate iPrenatal+ for prenatal genetic counseling in a randomized controlled trial of 1,470 pregnant people in clinics serving racially and socioeconomically diverse pregnant women.

Active Support

1. Dept. of Health and Human Services, Office of the Secretary - GRANT13941691– Tuuli

Role: **Principal Investigator**

Rhode Island Community-based Maternal Support Services Bundle for Advancing Perinatal Health Equity

09/30/2023 – 09/29/2027

\$6,245,702

The goal of this project is to develop a participatory model for integrating community-based maternal support services (COMSS) into perinatal care to address care coordination and social determinants of health and test the impact on perinatal health equity.

2. NIH/NICHD – 1 R01 HD108614-01 - Raghuraman (Washington University)

Role: **Site Principal Investigator**

09/01/2022 – 08/31/2027

\$1,029,584

The objective is to assess the effectiveness of maternal oxygen supplementation for intrauterine resuscitation of Category II electronic fetal monitoring (EFM) in labor.

3. NIH/NICHD - 1 R01 HD108210-01– Tuuli

Role: **Principal Investigator**

Novel Vacuum-Induced Postpartum Hemorrhage Control: a Multicenter Randomized Trial in Ghana.

08/01/2022 – 07/31/2027

\$2,547,378

Multicenter randomized trial of **424** women with postpartum hemorrhage to test at 2 large obstetric hospitals in Ghana to test the effectiveness, safety and cost effectiveness of a novel vacuum induced hemorrhage control device.

4. NIH/NICHD - R01 HD105855-01A1– Tuuli

Role: **Principal Investigator**

A Multicenter Randomized Trial of IV vs Oral Iron for Treating Iron-Deficiency Anemia in Pregnancy

05/01/2022 – 03/31/2027

\$ 4,121,180

Multicenter randomized trial of **746** pregnant women with moderate to severe anemia at 24 – 28 weeks in 3 U.S. medical centers comparing the effectiveness, safety and cost effectiveness of IV versus oral

5. NIH/NICHD - 1R01HD101476-02 – Scifres/Tuuli (Multi-PI Plan)

Role: **Principal Investigator**

Intensive Glycemic Targets in Overweight and Obese Women with Gestational Diabetes Mellitus: A Multicenter Randomized Trial

04/01/2020 – 04/30/2024

\$3,804,213

Multicenter randomized trial of **850** pregnant women at 3 U.S. medical centers comparing intensive to standard glycemic targets in obese women with gestational diabetes.

6. NIH/NICHD – 1 R01 HD109251-01 - Stout (University of Michigan)Role: **Site Principal Investigator***Fully Quantitative Cervical Elastography for Prediction of Preterm Birth in Nulliparous Patients*
03/2022 – 02/2027 \$1,328,197

The goal of this project is to test the hypothesis that Fully Quantitative Cervical Elastography System (Q-CES) values of cervical stiffness can more accurately predict spontaneous preterm birth than cervical length

7. The Bill and Melinda Gates Foundation - INV-047883 – Tuuli (PI)Role: **Site Principal Investigator (Ghana)***Low Field MRI in Accra, Ghana*

08/01/2022 – 07/31/2024

\$368,863

This prospective cohort study will use portable (mobile) Swoop MRI (HYPERFINE) to image the brains of newborns and follow them up at 3-, 6-, and 12-months to compare structural development of the brain and neurodevelopmental milestones of babies of women with and without iron deficiency anemia (IDA) in pregnancy.

8. NIH/NICHD – 1 R01 HD108614-01- Raghuraman (Washington University)Role: **Site Principal Investigator***Fully Quantitative Cervical Elastography for Prediction of Preterm Birth in Nulliparous Patients*
03/2022 – 02/2027 \$1,059,862

The goal of this project is to provide evidence for practice by conducting a multicenter, non-inferiority, randomized trial (N=2124) of maternal O2 supplementation versus room air during active labor in patients with Category II EFM.

Past Support**1. The Bill and Melinda Gates Foundation - OPP1192462 – Stringer – UNC (PI)**Role: **Site Principal Investigator (Ghana)***Limiting Adverse Birth Outcomes in Resource-Limited Settings - The LABOR Study*

09/18/2019 – 04/31/2023

\$2,173,115

Multicountry study of **15,000** pregnant women and their fetuses/newborns to exhaustively document the course and outcomes of labor, delivery, and the immediate postpartum period in 2 African countries and India, where the occurrence of adverse birth outcomes is high.

2. NIH/NICHD - 7U01HD077384-06 – Cahill/Tuuli (Multi-PI Plan)Role: **Principal Investigator***Optimizing Management of the 2nd Stage of Labor: Multicenter Randomized Trial*

07/18/2014 – 12/31/2022

\$8,711,687

Multicenter randomized trial of **2400** pregnant women in 6 U.S. medical centers comparing immediate to delayed pushing in the second stage of labor.

3. Frankel Innovation Initiative – Stout (PI – University of Michigan)Role: **Site Principal Investigator***Fully quantitative cervical elastography to predict preterm birth*

01/01/2021 – 12/31/2022

\$300,000

The goal of this project is to apply quantitative cervical elastography to predict preterm delivery <37 weeks and time to delivery using time to event analyses.

4. NIH/NICHD – 3R01HD086007-02S1 – Tuuli (PI)**Role: Principal Investigator***Prophylactic Negative Pressure Wound Therapy in Obese Women at Cesarean: Multicenter Randomized Trial*

09/01/2017 – 08/31/2022

\$114,375

This administrative supplement ensures adequate representation of Black women in a trial of prophylactic negative pressure wound therapy at cesarean, and to test the complementary novel hypothesis that differences in the preoperative skin microbiome explain, at least in part, differential susceptibility to SSI after cesarean in general, and in Black women in particular.

5. NIH/NICHD – 7R01HD086007-06 – Tuuli (PI)**Role: Principal Investigator***Prophylactic Negative Pressure Wound Therapy in Obese Women at Cesarean: Multicenter Randomized Trial*

09/16/2016 – 08/31/2022

\$2,913,390

Multicenter randomized controlled trial of **2850** pregnant women in 4 U.S. hospitals to test the hypothesis that prophylactic negative pressure wound therapy will reduce surgical site infection after cesarean in obese women.

6. KCI Supplemental Funding – Tuuli (PI)**Role: Principal Investigator***Prophylactic Negative Pressure Wound Therapy in Obese Women at Cesarean: Multicenter Randomized Trial*

02/07/2017 – 08/31/2022

\$330,200 + 1425 Prevena devices

Unrestricted support in the form of 1425 Prevena negative pressure wound therapy devices and supplemental funds to support a multicenter randomized controlled trial of prophylactic negative pressure wound therapy in obese women at cesarean.

7. March of Dimes – Macones (Center PI)**Role: Principal Investigator (Theme 1)***WU Transdisciplinary Center for the Prevention of Preterm Birth (WU-TROP)*

11/01/2014 – 10/30/2019

\$857,525

The goal of theme 1 (Photoacoustic Endoscopy for Assessment of Cervical Remodelling) is to adapt a novel photoacoustic endoscopic system for cervical imaging (cPAE).

8. March of Dimes Prematurity Pilot Grant– Tuuli/Stout (PI)**Role: Principal Investigator**

Novel Quantitative Cervical Elastography for Predicting Preterm Birth in Symptomatic Patients

06/15/2018 – 06/14/2019

\$50,000

The goal of this pilot grant is to test the hypothesis that a novel sensor-based, ultrasound elastography for quantitative elastography is predict of preterm birth in patients presenting with symptoms of preterm labor.

9. NIH/NHLBI – 5U01HL120338-03 – Tita – University of Alabama (PI)**Role: Site Principal Investigator**

Chronic Hypertension and Pregnancy (CHAP)

08/01/2014 – 06/30/2018

\$446,615

A large pragmatic multicenter randomized trial designed primarily to evaluate the benefits and harms of antihypertensive therapy for mild chronic hypertension in pregnancy to a goal <140/90 mmHg (as recommended for the general population in the US) compared with ACOG's current policy to withhold treatment unless hypertension is severe.

10. NIH/NICHD – T32HD055172-08 – Macones (PI)

Role: Co-Director

Reproductive Epidemiology Training Program

09/01/2015 – 06/30/2018

\$1,120,000

The major goal of this project is to train a cadre of physician scientists who will be part of the next wave of extramurally funded researchers in reproductive epidemiology.

11. NIH/NHLBI – 1UM1HL134590-01 – Clasen – Emory University (PI)

Role: Co-Investigator (Clinical and Imaging Core)

Household Air Pollution (HAP) and Health: a Multi-country LPG Intervention Trial

09/22/2016 – 12/31/2017

\$24,000

Multinational randomized controlled trial of 3200 households to test the hypothesis that LPG cookstove and fuel intervention during pregnancy and early childhood would substantially reduce household air pollution, thereby reducing associated disease burden.

12. Lumara Health Research Grant – Stout (PI)

Role: Co-investigator

17-HydroxyProgesterone Caproate for Preterm Birth Prevention: Association between its Metabolites and Efficacy

11/01/2015 – 10/30/2016

\$75,000

This project tested the hypothesis of the study is that specific metabolic products of 17 hydroxyprogesterone caproate (17-OHPC) are associated with its efficacy in preventing preterm birth.

13. BJHF/ICTS Clinical & Translational Research Funding Award – Stout (PI)

Role: Co-investigator

The Vaginal Microbiome and Preterm Birth after Progesterone Prophylaxis

07/01/14 - 06/30/16

\$50,000

This pilot grant funding supported preliminary work to investigate the vaginal microbiome communities (using rRNA sequencing) as well as the inflammatory markers (TNF-alpha, IL-1) associated with the success and failure of progesterone prophylaxis for preterm birth.

14. NIH/NICHD – 1K12HD063086-01 - Macones (PI)

Role: Scholar

Women's Reproductive Health Research Career Development Program at W. U. St. Louis

08/01/2011 – 07/31/2015

\$400,000

The major goal of this grant was to promote the performance of research and transfer of findings that will benefit the health of women through the development of well-qualified, new physician scientists.

15. POM Wonderful Company, Los Angeles – Nelson/Macones (PIs)

Role: Co-investigator

A placebo controlled randomized clinical trial of pregnancy outcomes and placental function in pregnant women who ingest antenatal POM Wonderful[®]

07/01/2012 – 07/31/2015

\$400,000

The major goal of this grant was to support a clinical trial to determine if ingestion of pomegranate extract, compared to placebo, reduces the incidence of pregnancy complications in women with fetal growth restriction.

16. Washington University ICTS - UL1 RR024992, Just-in-Time Grant-Macones (PI)**Role: Co-investigator**

Vaginal Microbiome, Short Cervix and Preterm Birth

05/8/12 - 05/7/13

\$5,000

This pilot funding supported preliminary work to investigate the vaginal microbiome communities associated with mid-trimester cervical shortening and preterm birth.

Publications:**Peer reviewed**

1. Wang NE, Gisondi MA, Golzari M, van der Vlugt TM, Tuuli MG. Socioeconomic disparities are negatively associated with pediatric emergency department aftercare compliance. *Acad Emerg Med*. 2003 Nov;10(11):1278-84. PubMed PMID: 14597505
2. Tuuli MG, Dicke JM, Stamilio DM, Gray DL, Macones GA, Rampersad R, Odibo AO. Prevalence and likelihood ratios for aneuploidy in fetuses diagnosed prenatally with isolated congenital cardiac defects. *Am J Obstet Gynecol*. 2009 Oct;201(4):390.e1-5. Epub 2009 Aug 28. PubMed PMID: 19716116
3. Tuuli MG, Houser M, Odibo L, Huster K, Macones GA, Odibo AO. Validation of placental vascular sonobiopsy for obtaining representative placental vascular indices by three-dimensional power Doppler ultrasonography. *Placenta*. 2010 Mar;31(3):192-6. Epub 2010 Jan 8. PubMed PMID: 20060583
4. Cahill AG, Tuuli MG, Odibo AO, Stamilio DM, Macones GA. Vaginal birth after caesarean for women with three or more prior caesareans: assessing safety and success. *BJOG*. 2010 Mar;117(4):422-7. Epub 2010 Jan 28. PubMed PMID: 20374579
5. Zhong Y, Tuuli MG, Odibo AO. First-trimester assessment of placenta function and the prediction of preeclampsia and intrauterine growth restriction. *Prenat Diagn*. 2010 Apr;30(4):293-308. PubMed PMID: 20166149
6. Tuuli MG, Odibo AO. First- and second-trimester screening for preeclampsia and intrauterine growth restriction. *Clin Lab Med*. 2010 Sep;30(3):727-46. PubMed PMID: 20638585
7. Nicholas S, Tuuli MG, Dicke J, Macones GA, Stamilio D, Odibo AO. Estimation of fetal weight in fetuses with abdominal wall defects: comparison of 2 recent sonographic formulas to the hadlock formula. *J Ultrasound Med*. 2010 Jul;29(7):1069-74. PubMed PMID: 20587430

8. Tuuli MG, Longtine MS, Nelson DM. Oxygen and trophoblast biology—a source of controversy. *Placenta*. 2011 Mar;32 Suppl 2:S109-18. Epub 2011 Jan 7. PubMed PMID: 21216006
9. Odibo AO, Goetzinger KR, Huster KM, Christiansen JK, Odibo L, Tuuli MG. Placental volume and vascular flow assessed by 3D power doppler and adverse pregnancy outcomes. *Placenta*. 2011 Mar;32(3):230-4. Epub 2011 Feb 4. PubMed PMID:21295850
10. Shanks A, Tuuli MG, Schaecher C, Odibo AO, Rampersad R. Assessing the optimal definition of oligohydramnios associated with adverse neonatal outcomes. *J Ultrasound Med*. 2011 Mar;30(3):303-7. PubMed PMID: 21357551
11. Odibo AO, Zhong Y, Longtine M, Tuuli MG, Odibo L, Cahill AG, Macones GA, Nelson DM. First-trimester serum analytes, biophysical tests and the association with pathological morphometry in the placenta of pregnancies with preeclampsia and fetal growth restriction. *Placenta*. 2011 Apr;32(4):333-8. Epub 2011 Feb 13. PubMed PMID:21324404
12. Houston L, Tuuli MG, Macones GA. Marfan syndrome and aortic dissection in pregnancy. *Obstet Gynecol*. 2011 Apr;117(4):956-60. PubMed PMID: 21422870
13. Carbone JF, Tuuli MG, Dicke JM, Macones GA, Odibo AO. Revisiting the risk for aneuploidy in fetuses with isolated pyelectasis. *Prenat Diagn*. 2011 Jun;31(6):566-70. Epub 2011 Mar 27. PubMed PMID: 21442628
14. Tuuli MG, Rampersad RM, Carbone JF, Stamilio D, Macones GA, Odibo AO. Staples compared with subcuticular suture for skin closure after cesarean delivery: a systematic review and meta-analysis. *Obstet Gynecol*. 2011 Mar;117(3):682-90. PubMed PMID: 21343772
15. Tuuli MG, Norman SM, Odibo AO, Macones GA, Cahill AG. Perinatal outcomes in women with subchorionic hematoma: a systematic review and meta-analysis. *Obstet Gynecol*. 2011 May;117(5):1205-12. PubMed PMID: 21508763
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22. Houser M, Tuuli MG, Macones G, Odibo AO. Is smoking truly associated with decreased rates of preeclampsia? Poster presentation. *31st Annual Society of Maternal Fetal Medicine Meeting*, San Francisco, California, February 7 - 12, 2011.
23. Houser M, Tuuli MG, Macones G, Odibo AO. Is the association between gestational diabetes and preeclampsia modified by obesity? Poster presentation. *31st Annual Society of Maternal Fetal Medicine Meeting*, San Francisco, California, February 7 - 12, 2011.
24. Goetzing KR, Tuuli MG, Odibo AO, Roehl KA, Macones GA, Cahill AG, The Influence of Maternal Obesity on the Sonographic Evaluation of Large for Gestational Age (LGA) Infants? Poster presentation. *31st Annual Society of Maternal Fetal Medicine Meeting*, San Francisco, California, February 7 - 12, 2011.
25. McNamara J, Tuuli MG, Odibo AO. Cervical Cerclage: One Stitch or Two? Poster presentation. *31st Annual Society of Maternal Fetal Medicine Meeting*, San Francisco, California, February 7 - 12, 2011.
26. Odibo AO, Zhong Y, Longtine M, Tuuli MG, Cahill AG, Macones GA, Nelson DM. Placental Morphometry, maternal serum analytes, uterine and 4-D Doppler placental vasculature indices in pregnancies with preeclampsia (PET) and fetal growth restriction (FGR). Poster presentation. *31st Annual Society of Maternal Fetal Medicine Meeting*, San Francisco, California, February 7 - 12, 2011.
27. Carbone J, Tuuli MG, Dicke J, Macones GA, Odibo AO. Is isolated pyelectasis associated with aneuploidy? Poster presentation. *31st Annual Society of Maternal Fetal Medicine Meeting*, San Francisco, California, February 7 - 12, 2011.
28. Carbone J, Tuuli MG, Macones GA, Odibo AO. First trimester FGR and low PAPP-A for predicting SGA at birth. Poster presentation. *31st Annual Society of Maternal Fetal Medicine Meeting*, San Francisco, California, February 7 - 12, 2011.
29. Tuuli MG, Fogertey P, Roehl K, Stamilio D, Odibo AO, Macones GA. The bladder flap at cesarean delivery—to create or not to create: a randomized controlled trial, **Oral Presentation**. *32nd Annual Society of Maternal Fetal Medicine Meeting*, Dallas, Texas, February 6 - 11, 2012.
30. Tuuli MG, Caughey A, Odibo AO, Macones GA, Cahill AG. Glyburide versus insulin for management of gestational diabetes: a systematic review and meta-analysis. Poster Presentation. *32nd Annual Society of Maternal Fetal Medicine Meeting*, Dallas, Texas, February 6 - 11, 2012.
31. Tuuli MG, Shanks A, Bernhard L, Odibo AO, Macones GA, Cahill AG. Uterine synechiae are associated with an increased risk of preterm premature rupture of membranes and

- abruption, Poster Presentation. *32nd Annual Society of Maternal Fetal Medicine Meeting*, Dallas, Texas, February 6 - 11, 2012.
32. Tuuli MG, Odibo AO, Caughey A, Roehl K, Macones GA, Cahill AG. Are there differences in the first stage of labor between African-American and non-African-American parturients? Poster Presentation. *32nd Annual Society of Maternal Fetal Medicine Meeting*, Dallas, Texas, February 6 - 11, 2012.
 33. Tuuli MG, Macones GA, Odibo AO. First-trimester maternal serum A-disintegrin and metalloprotease (ADAM12), placental vascular Indices and prediction of preeclampsia, Poster Presentation. *32nd Annual Society of Maternal Fetal Medicine Meeting*, Dallas, Texas, February 6 - 11, 2012.
 34. Norman SM, Tuuli MG, Odibo AO, Caughey A, Roehl K, Cahill AG. Obese women have longer duration of the first stage of labor, Poster Presentation. *32nd Annual Society of Maternal Fetal Medicine Meeting*, Dallas, Texas, February 6 - 11, 2012.
 35. Stout M, Tuuli MG, Alison Cahill, Anthony Odibo, David Stamilio, George Macones. Do women with a history of LEEP and active vaginal infections during pregnancy have an increased risk for preterm birth? Poster Presentation, *32nd Annual Society of Maternal Fetal Medicine Meeting*, Dallas, Texas, February 6 - 11, 2012.
 36. Goetzinger K, Tuuli MG, Longman R, Huster K, Odibo AO, Cahill AG. Antenatal intra-abdominal bowel dilation in the prediction of postnatal bowel atresia in fetuses with gastroschisis. Poster Presentation. *32nd Annual Society of Maternal Fetal Medicine Meeting*, Dallas, Texas, February 6 - 11, 2012.
 37. Graseck A, Odibo AO, Tuuli MG, Roehl K, Macones GA, Cahill AG. First stage of labor in women undergoing trial of labor after cesarean: what should the expectations be? Poster Presentation. *32nd Annual Society of Maternal Fetal Medicine Meeting*, Dallas, Texas, February 6 - 11, 2012.
 38. Stout M, Goetzinger K, Tuuli MG, Cahill AG, Macones GA, Odibo AO. First-trimester serum markers combined with maternal characteristics to predict pregnancies at risk of preterm birth, **Oral Presentation**. *32nd Annual Society of Maternal Fetal Medicine Meeting*, Dallas, Texas, February 6 - 11, 2012.
 39. Frey H, Macones GA, Odibo AO, Tuuli MG, Roehl K, Cahill AG. Does passive descent in the second stage of labor impact pregnancy outcomes? Poster Presentation. *32nd Annual Society of Maternal Fetal Medicine Meeting*, Dallas, Texas, February 6 - 11, 2012.
 40. Odibo AO, Cahill AG, Goetzinger K, Odibo I, Tuuli MG, Dietzen D. First-trimester metabolomic signature markers and preeclampsia: effect of maternal smoking, Poster Presentation. *32nd Annual Society of Maternal Fetal Medicine Meeting*, Dallas, Texas, February 6 - 11, 2012.
 41. McNamara J, Odibo AO, Shanks A, Tuuli MG, Roehl K, Cahill AG. To push or not to push:

managing the second stage in morbidly obese parturients, Poster Presentation. *32nd Annual Society of Maternal Fetal Medicine Meeting*, Dallas, Texas, February 6 - 11, 2012.

42. Frey H, Stout M, Tuuli MG, Cahill AG, Allsworth J, Macones G. Genetic variation associated with preterm birth in black women. **Oral presentation.** *33rd Annual Society of Maternal-Fetal Medicine Meeting*. San Francisco, CA, February 11-16, 2013.
43. Trudell A, Stout M, Cahill AG, Odibo A, Macones G, Tuuli MG. Second trimester cervical length and persistence of placenta previa in the third trimester. Poster Presentation. *33rd Annual Society of Maternal-Fetal Medicine Meeting*, San Francisco, CA, February 11-16, 2013.
44. McPherson J, Tuuli MG, Roehl K, Zhao Q, Odibo A, Cahill AG. Adverse outcomes of teenage pregnancies. Poster Presentation. *33rd Annual Society of Maternal-Fetal Medicine Meeting*, San Francisco, CA, February 11-16, 2013.
45. Stout M, Frey H, Tuuli MG, Cahill AG, Odibo A, Allsworth J, Macones G. Protective and high risk genotypes mediate the risk for preterm birth in smokers. Poster Presentation. *33rd Annual Society of Maternal-Fetal Medicine Meeting*, San Francisco, CA, February 11-16, 2013.
46. Norman S, Cahill AG, Tuuli MG, Stamilio D, Odibo A, Roehl, Macones G. Time from LEEP to pregnancy: impact on adverse pregnancy outcomes. Poster Presentation. *33rd Annual Society of Maternal-Fetal Medicine Meeting*, San Francisco, CA, February 11-16, 2013.
47. Norman S, Verticchio J, Odibo A, Tuuli MG, Macones G, Cahill AG. The effects of degree of obesity on risk for post-cesarean wound complication. Poster Presentation. *33rd Annual Society of Maternal-Fetal Medicine Meeting*, San Francisco, CA, February 11-16, 2013.
48. Frey H, Tuuli MG, Roehl K, Odibo A, Macones G, Cahill AG. Can contraction patterns predict adverse neonatal outcomes? Poster Presentation. *33rd Annual Society of Maternal-Fetal Medicine Meeting*, San Francisco, CA, February 11-16, 2013.
49. Trudell A, Odibo A, Tuuli MG, Roehl K, Macones G, Cahill AG. Cesarean for first stage arrest: modern practice does not follow contemporary labor patterns. Poster Presentation. *33rd Annual Society of Maternal-Fetal Medicine Meeting*, San Francisco, CA, February 11-16, 2013.
50. Trudell A, Tuuli MG, Cahill AG, Macones G, Odibo A. Stillbirth prediction and small for gestational age: comparison of a gender specific versus a non-gender specific growth curve. Poster Presentation. *33rd Annual Society of Maternal-Fetal Medicine Meeting*, San Francisco, CA, February 11-16, 2013.
51. Frey H, Tuuli MG, Roehl K, Odibo A, Macones G, Cahill AG. Factors associated with higher oxytocin requirements. Poster Presentation. *33rd Annual Society of Maternal-Fetal Medicine Meeting*, San Francisco, CA, February 11-16, 2013.

52. Frey H, Tuuli MG, Roehl K, Odibo A, Macones G, Cahill AG. Montevideo units: a poor predictor of second stage outcomes. Poster Presentation. *33rd Annual Society of Maternal-Fetal Medicine Meeting*, San Francisco, CA, February 11-16, 2013.
53. Frey H, Tuuli MG, Roehl K, Odibo A, Macones G, Cahill AG. Differences in contraction patterns of women in spontaneous and non-spontaneous labor who deliver vaginally. Poster Presentation. *33rd Annual Society of Maternal-Fetal Medicine Meeting*, San Francisco, CA, February 11-16, 2013.
54. Hopeman M, Tuuli MG, Odibo A, Stamilio D, Macones G, Cahill AG. Maternal and obstetric risk factors associated with shoulder dystocia in an urban population. Poster Presentation. *Society of Maternal-Fetal Medicine 33rd Annual Meeting*, San Francisco, CA, February 11-16, 2013.
55. Goetzinger K, Cahill AG, Odibo A, Macones G, Tuuli MG. Mode of delivery for fetuses with open neural tube defects: a systematic review and meta-analysis. Poster Presentation. *33rd Annual Society of Maternal-Fetal Medicine Meeting*, San Francisco, CA, February 11-16, 2013.
56. Norman S, Verticchio J, Tuuli MG, Odibo A, Macones G, Cahill AG. Postpartum morbidity in an obese population. Poster Presentation. *33rd Annual Society of Maternal-Fetal Medicine Meeting*, San Francisco, CA, February 11-16, 2013.
57. Goetzinger KR, Tuuli MG, Cahill AG, Macones GA, Odibo AO. Development and validation of a risk factor scoring system for first-trimester prediction of pre-eclampsia. Poster Presentation. *33rd Annual Society of Maternal-Fetal Medicine Meeting*, San Francisco, CA, February 11-16, 2013.
58. Stout M, Frey H, Tuuli MG, Cahill AG, Odibo A, Allsworth J, Macones G. Genes, environment, and preterm birth: change in bacterial vaginosis status and inflammatory polymorphisms. Poster Presentation. *33rd Annual Society of Maternal-Fetal Medicine Meeting*, San Francisco, CA, February 11-16, 2013.
59. Frey H, Tuuli MG, Roehl Km Odibo A, Macones G, Cahill AG. Defining normative contraction patterns in the second stage. Poster Presentation. *33rd Annual Society of Maternal-Fetal Medicine Meeting*, San Francisco, CA, February 11-16, 2013.
60. Harper L, Shanks A, Roehl K, Tuuli MG, Cahill AG. Do internal monitors reduce cesarean & improve labor outcomes at term? Poster Presentation. *33rd Annual Society of Maternal-Fetal Medicine Meeting*, San Francisco, CA, February 11-16, 2013.
61. Graseck A, Odibo A, Tuuli MG, Roehl K, Macones G, Cahill AG. Expectations for the second stage of labor in women undergoing trial of labor after cesarean (TOLAC). Poster Presentation. *33rd Annual Society of Maternal-Fetal Medicine Meeting*, San Francisco, CA, February 11-16, 2013.
62. Norman S, Tuuli MG, Longman R, Odibo A, Cahill AG. Impact of obesity on cesarean. Poster Presentation. *33rd Annual Society of Maternal-Fetal Medicine*

Meeting, San Francisco, CA, February 11-16, 2013.

63. Tuuli M, Shanks A, Odibo A, Macones G, Cahill A. Umbilical cord arterial lactate compared with pH for predicting neonatal morbidity at term: a prospective cohort study. **Oral Presentation #32**. *34th Annual Society of Maternal-Fetal Medicine Meeting*, New Orleans, LA, February 3-8, 2014.
64. Trudell A, Tuuli M, Trudell A, Tuuli MG, Cahill AG, Macones GA, Odibo AO. What is the optimal timing of delivery for the early preterm small for gestational age fetus? Balancing the risks of stillbirth with neonatal death. **Oral Presentation #85**. *34th Annual Society of Maternal-Fetal Medicine Meeting*, New Orleans, LA, February 3-8, 2014
65. Stout M, Tuuli M, Macones G, Cahill A. Estimation of fetal weight at peri-viable gestational ages: how inaccurate are we and does that impact risk of death? **Oral Presentation #86**. *34th Annual Society of Maternal-Fetal Medicine Meeting*, New Orleans, LA, February 3-8, 2014.
66. Hannaford K, Goetzinger K, Tuuli M, Odibo L, Cahill A, Macones G, Odibo A. 3D power Doppler vascularization indices of the whole placenta vs placental bed in the prediction of adverse pregnancy outcomes. Poster Presentation #166. *34th Annual Society of Maternal-Fetal Medicine Meeting*, New Orleans, LA, February 3-8, 2014.
67. Carter E, Goetzinger K, Tuuli M, Odibo L, Cahill A, Macones G, Odibo A. Evaluating the optimal definition of abnormal first-trimester uterine artery Doppler parameters to predict adverse pregnancy outcomes. Poster Presentation #192. *34th Annual Society of Maternal-Fetal Medicine Meeting*, New Orleans, LA, February 3-8, 2014.
68. Trudell A, Najaf T, Khanna G, Cahill A, Tuuli M, Macones G, Odibo A. Ultrasound estimates of fetal lung volume: what is the best predictor of perinatal outcomes in congenital diaphragmatic hernia? Poster Presentation #212. *34th Annual Society of Maternal-Fetal Medicine Meeting*, New Orleans, LA, February 3-8, 2014.
69. Cahill A, Tuuli M, Roehl K, Odibo A, Macones G. What intrapartum electronic fetal monitoring (EFM) patterns are associated with respiratory morbidity in term infants? Poster Presentation #216. *34th Annual Society of Maternal-Fetal Medicine Meeting*, New Orleans, LA, February 3-8, 2014.
70. Tuuli M, Liu L, Shanks A, Longman R, Odibo A, Macones G, Cahill A. 304: 1-hour 50 gram glucose challenge (1-hr GCT) values and adverse perinatal outcomes in women without gestational diabetes (GDM). Poster Presentation #304. *34th Annual Society of Maternal-Fetal Medicine Meeting*, New Orleans, LA, February 3-8, 2014.
71. Carter E, Tuuli M, Colvin R, Odibo A, Macones G, Cahill A. Impact of prenatal visits on outcomes in pregnant women with Type II and gestational diabetes. Poster Presentation #362. *34th Annual Society of Maternal-Fetal Medicine Meeting*, New Orleans, LA, February 3-8, 2014.

72. Stout M, LaRosa P, Shannon W, Weinstock G, Sodergren E, Macones G, Tuuli M. The vaginal microbiome of preterm birth. Poster Presentation #392. *34th Annual Society of Maternal-Fetal Medicine Meeting*, New Orleans, LA, February 3-8, 2014.
73. Stout M, Tuuli M, Harper L, Cahill A, Odibo A, Macones G. What is the optimal strategy for the assessment of women with threatened preterm labor? Poster Presentation #393. *34th Annual Society of Maternal-Fetal Medicine Meeting*, New Orleans, LA, February 3-8, 2014.
74. Stout M, Tuuli M, Busam R, Macones G. Preterm birth classification as spontaneous or indicated: how accurate are nurse, fellow, and faculty researchers? Poster Presentation #394. *34th Annual Society of Maternal-Fetal Medicine Meeting*, New Orleans, LA, February 3-8, 2014.
75. Stout M, LaRosa P, Shannon W, Weinstock G, Sodergren E, Macones G, Tuuli M. Role of the vaginal microbiome in the efficacy of progesterone for prevention of preterm birth. Poster Presentation #395. *34th Annual Society of Maternal-Fetal Medicine Meeting*, New Orleans, LA, February 3-8, 2014.
76. Conner S, Tuuli M, Colvin R, Odibo A, Macones G, Cahill A. Do we need to redefine postpartum hemorrhage for our modern population? Poster Presentation #407. *34th Annual Society of Maternal-Fetal Medicine Meeting*, New Orleans, LA, February 3-8, 2014.
77. Spain J, Macones G, Tuuli M, Roehl K, Odibo A, Cahill A. Risk factors for serious morbidity in term non-anomalous neonates: are any modifiable? Poster Presentation #410. *34th Annual Society of Maternal-Fetal Medicine Meeting*, New Orleans, LA, February 3-8, 2014.
78. Carter E, Tuuli M, Caughey A, Odibo A, Macones G, Cahill A. Low-risk pregnancies: does the number of prenatal visits impact outcomes? Poster Presentation #474. *34th Annual Society of Maternal-Fetal Medicine Meeting*, New Orleans, LA, February 3-8, 2014.
79. Triebwasser J, Tuuli M, Caughey A, Odibo A, Macones G, Cahill A. Gender differences in intrapartum electronic fetal monitoring (EFM). Poster Presentation #551. *34th Annual Society of Maternal-Fetal Medicine Meeting*, New Orleans, LA, February 3-8, 2014.
80. Trudell A, Tuuli M, Longman R, Cahill A, Macones G, Odibo A. Development of a clinical prediction model to identify pregnancies at risk for stillbirth. Poster Presentation #552. *34th Annual Society of Maternal-Fetal Medicine Meeting*, New Orleans, LA, February 3-8, 2014.
81. Theilen L, Mellnick V, Tuuli M, Odibo A, Macones G, Cahill A. Obstetric outcomes in women with acute appendicitis during pregnancy. Poster Presentation #608. *34th Annual Society of Maternal-Fetal Medicine Meeting*, New Orleans, LA, February 3-8, 2014.
82. Trudell A, Tuuli M, Shanks A, Cahill A, Macones G, Odibo A. Association of obesity and stillbirth in a Midwest United States population. Poster Presentation #627. *34th Annual Society of Maternal-Fetal Medicine Meeting*, New Orleans, LA, February 3-8, 2014.

83. Frey H, Tuuli M, Caughey A, Odibo A, Macones G, Cahill A. Optimal admission cervical dilation to reduce the risk of cesarean delivery in spontaneously laboring women. Poster Presentation #633. *34th Annual Society of Maternal-Fetal Medicine Meeting*, New Orleans, LA, February 3-8, 2014.
84. Cahill A, Tuuli M, D'Agostino L, Goodman M, Macones G, Colditz G. Custom labor curves: predicting labor progress with individual patient characteristics. Poster Presentation #644. *34th Annual Society of Maternal-Fetal Medicine Meeting*, New Orleans, LA, February 3-8, 2014.
85. Frey H, Tuuli M, Shanks A, Macones G, Cahill A. Neonatal outcomes in the setting of Category II fetal heart rate tracings: does meconium matter? Poster Presentation #648. *34th Annual Society of Maternal-Fetal Medicine Meeting*, New Orleans, LA, February 3-8, 2014.
86. Frey H, Tuuli M, Colvin R, Macones G, Cahill A. Neonatal morbidity associated with shoulder dystocia maneuvers. Poster Presentation #677. *34th Annual Society of Maternal-Fetal Medicine Meeting*, New Orleans, LA, February 3-8, 2014.
87. Spain J, Park J, Stout M, Macones G, Cahill A, Tuuli M. Can transabdominal cervical length measurement exclude short cervix? **Oral Presentation #69**. *35th Annual Society of Maternal-Fetal Medicine Meeting*, San Diego, CA February 2-7, 2015.
88. Shanks A, Mehra S, Gross G, Harper L, Colvin R, Tuuli M. Treatment utility of postpartum antibiotics in chorioamniotic (TUPAC) study. **Oral Presentation #71**. *35th Annual Society of Maternal-Fetal Medicine Meeting*, San Diego, CA February 2-7, 2015 (**Best Oral Presentation Award, Concurrent Session 7**).
89. Odibo A, Trudell A, Tuuli M. Stillbirth in growth restricted twin pregnancies: when is the risk highest? Poster Presentation #92. *35th Annual Society of Maternal-Fetal Medicine Meeting*, San Diego, CA February 2-7, 2015.
90. Trudell A, Tuuli M, Macones G, Odibo A. Large for gestational age and stillbirth: is there a role for antenatal testing? Poster Presentation #281. *35th Annual Society of Maternal-Fetal Medicine Meeting*, San Diego, CA February 2-7, 2015.
91. Durst J, Tuuli M, Stout M, Macones G, Cahill A. Postpartum weight retention: impact on perinatal outcomes in subsequent pregnancy. Poster Presentation #329. *35th Annual Society of Maternal-Fetal Medicine Meeting*, San Diego, CA February 2-7, 2015.
92. Temming L, Tuuli M, Stout M, Macones G, Cahill A. Extremely elevated 1-hour glucose challenge test: do you still need a diagnostic test? Poster Presentation #354. *35th Annual Society of Maternal-Fetal Medicine Meeting*, San Diego, CA February 2-7, 2015.
93. Conner S, Carter E, Tuuli M, Cahill A. Are poor neonatal outcomes associated with marijuana use in term pregnancies? Poster Presentation #387. *35th Annual Society of Maternal-Fetal Medicine Meeting*, San Diego, CA February 2-7, 2015.

94. Stout M, Tuuli M, Dicke J, Macones G, Cahill A. Error in estimated fetal weight does not impact neonatal outcomes in periviable deliveries. Poster Presentation #429. *35th Annual Society of Maternal-Fetal Medicine Meeting*, San Diego, CA February 2-7, 2015.
95. Wood A, Frey H, Tuuli M, Stout M, Cahill A. Contraction coupling: does it increase the risk of cesarean delivery (CD)? Poster Presentation #443. *35th Annual Society of Maternal-Fetal Medicine Meeting*, San Diego, CA February 2-7, 2015.
96. Durst J, Tuuli M, Stout M, Macones G, Cahill A. Severe pre-eclampsia: dose response relationship with increasing BMI severity? Poster Presentation #481. *35th Annual Society of Maternal-Fetal Medicine Meeting*, San Diego, CA February 2-7, 2015.
97. Carter E, Trudell A, Tuuli M, Macones G, Odibo A. Differences in stillbirth risk among women with advanced maternal age. Poster Presentation #578. *35th Annual Society of Maternal-Fetal Medicine Meeting*, San Diego, CA February 2-7, 2015.
98. Tuuli M, Kapalka K, Macones G, Cahill A. Prediction of fetal macrosomia in diabetic pregnancies: 2D or 3D ultrasound? Poster Presentation #588. *35th Annual Society of Maternal-Fetal Medicine Meeting*, San Diego, CA February 2-7, 2015.
99. Stout M, Demaree D, Dukes J, Tuuli M, Macones G, Cahill A. More than just gestational age: do neonatal outcomes after spontaneous versus indicated preterm birth differ? Poster Presentation #589. *35th Annual Society of Maternal-Fetal Medicine Meeting*, San Diego, CA February 2-7, 2015.
100. Hannaford K, Stout M, Tuuli M, Odibo L, Macones G, Odibo A. Effect of weight gain in pregnancy among normal weight patients: is too little harmful? Poster Presentation #660. *35th Annual Society of Maternal-Fetal Medicine Meeting*, San Diego, CA February 2-7, 2015.
101. Hannaford K, Stout M, Tuuli M, Odibo L, Macones G, Odibo A. Inappropriate weight gain in pregnancy: association with poor pregnancy outcomes. Poster Presentation #661. *35th Annual Society of Maternal-Fetal Medicine Meeting*, San Diego, CA February 2-7, 2015.
102. Carter E, Conner S, Cahill A, Rampersad R, Macones G, Tuuli M. Removing fetal growth restriction from the diagnostic criteria for severe preeclampsia: is it justified? Poster Presentation #731. *35th Annual Society of Maternal-Fetal Medicine Meeting*, San Diego, CA February 2-7, 2015.
103. Tuuli M, Liu J, Stout MJ, Martin S, Cahill AG, Colditz G, Macones GA. Chlorhexidine-alcohol compared with iodine-alcohol for preventing surgical-site infection at cesarean: a randomized controlled trial. **Oral Plenary Presentation #4.** *36th Annual Society of Maternal-Fetal Medicine Meeting*, Atlanta, GA February 1-6, 2016.
104. Temming LA, Durst JK, Stout MJ, Tuuli M, Macones GA, Cahill AG. Universal cervical length screening for preterm birth prevention: implementation and outcomes. **Oral Presentation #15.** *36th Annual Society of Maternal-Fetal Medicine Meeting*, Atlanta, GA

February 1-6, 2016.

105. Cahill AG, Tuuli M, Stout MJ, Deych E, Shannon W, Macones GA. Predicting acidemia with intrapartum electronic fetal monitoring (EFM). **Oral Presentation #29**. *36th Annual Society of Maternal-Fetal Medicine Meeting*, Atlanta, GA February 1-6, 2016. (**Best Oral Presentation - Concurrent Session 2**)
106. Tuuli M, Stout MJ, Macones GA, Cahill AG. Umbilical venous lactate for predicting fetal lactic acidemia and neonatal morbidity at term. **Oral Presentation #100**. *36th Annual Society of Maternal-Fetal Medicine Meeting*, Atlanta, GA February 1-6, 2016.
107. Stout MJ, Martin S, Cahill AG, Macones GA, Tuuli M. Impact of chlorhexidine-alcohol versus iodine-alcohol skin antisepsis on methicillin-resistant staphylococcus aureus infection after cesarean. Poster Presentation #194. *36th Annual Society of Maternal-Fetal Medicine Meeting*, Atlanta, GA February 1-6, 2016.
108. Stout MJ, Tuuli M, Young O, Macones GA, Dicke JM, Cahill AG. Accuracy of growth restriction diagnosis - implications for testing and intervention. Poster Presentation #195. *36th Annual Society of Maternal-Fetal Medicine Meeting*, Atlanta, GA February 1-6, 2016.
109. Tuuli M, Woolfolk C, Stout MJ, Temming LA, Cahill AG, Macones GA. Does the relative efficacy of chlorhexidine-alcohol versus iodine-alcohol antisepsis differ between unscheduled and scheduled cesareans? Poster Presentation #196. *36th Annual Society of Maternal-Fetal Medicine Meeting*, Atlanta, GA February 1-6, 2016.
110. Temming LA, Young O, Stout MJ, Tuuli M, Macones GA. Is monitoring anti-Xa levels necessary in pregnant women on therapeutic low molecular weight heparin (LMWH)? Poster Presentation #269. *36th Annual Society of Maternal-Fetal Medicine Meeting*, Atlanta, GA February 1-6, 2016.
111. Carter EB, Akin J, Barbier K, Sarabia R, Macones GA, Cahill AG, Tuuli M. Group versus traditional prenatal care: a retrospective cohort study. Poster Presentation #277. *36th Annual Society of Maternal-Fetal Medicine Meeting*, Atlanta, GA February 1-6, 2016.
112. Rhoades JS, Rampersad RM, Tuuli M, Macones GA, Cahill AG, Stout MJ. Growth restricted fetuses don't tolerate labor: perhaps a misconception? Poster Presentation #315. *36th Annual Society of Maternal-Fetal Medicine Meeting*, Atlanta, GA February 1-6, 2016.
113. Stout MJ, Macones GA, Tuuli M. Preterm birth classification: Is birth certificate data adequate? Poster Presentation #329. *36th Annual Society of Maternal-Fetal Medicine Meeting*, Atlanta, GA February 1-6, 2016.
114. Cahill AG, Tuuli M, Stout MJ, Deych E, Shannon W, Macones GA. Electronic fetal monitoring (EFM) patterns are associated with acidemia. Poster Presentation #345. *36th Annual Society of Maternal-Fetal Medicine Meeting*, Atlanta, GA February 1-6, 2016.

115. Niu B, Aviram A, Lee VR, Tuuli M, Cahill AG, Caughey AB. External cephalic version with or without spinal anesthesia: a cost-effectiveness analysis. Poster Presentation #370. *36th Annual Society of Maternal-Fetal Medicine Meeting*, Atlanta, GA February 1-6, 2016.
116. Tuuli M, Stout MJ, Martin S, Rampersad R, Cahill AG, Macones GA. Subcuticular suture closure at cesarean: 4-0 Monocryl or Vicryl? Poster Presentation #376. *36th Annual Society of Maternal-Fetal Medicine Meeting*, Atlanta, GA February 1-6, 2016.
117. Stout MJ, Tuuli M, Macones GA, Cahill AG. Pre-delivery knowledge of IUGR diagnosis at term: Does it influence post-neonatal interventions? Poster Presentation #443. *36th Annual Society of Maternal-Fetal Medicine Meeting*, Atlanta, GA February 1-6, 2016.
118. Stout MJ, Tuuli M, Rampersad RM, Dicke JM, Macones GA, Cahill AG. Severity of small for gestational age birth weight at term: increased risk for neonatal morbidity. Poster Presentation #444. *36th Annual Society of Maternal-Fetal Medicine Meeting*, Atlanta, GA February 1-6, 2016.
119. Cahill AG, Tuuli M, Stout MJ, Deych E, Shannon W, Macones GA. Predicting normal pH with intrapartum electronic fetal monitoring (EFM). Poster Presentation #456. *36th Annual Society of Maternal-Fetal Medicine Meeting*, Atlanta, GA February 1-6, 2016.
120. Stanhope T, Tuuli M, Caughey A, Macones GA, Cahill AG. Mode of delivery and neonatal outcomes in nulliparas with a prolonged second stage. Poster Presentation #489. *36th Annual Society of Maternal-Fetal Medicine Meeting*, Atlanta, GA February 1-6, 2016.
121. Raghuraman N, Stout MJ, Young OM, Tuuli M, Lopez J, Macones GA, Cahill AG. Admission modified bishop score for women in spontaneous labor: useful or useless? Poster Presentation #496. *36th Annual Society of Maternal-Fetal Medicine Meeting*, Atlanta, GA February 1-6, 2016.
122. Carter EB, Temming LA, Akin J, Fowler S, Macones GA, Colditz G, Tuuli M. Group compared to traditional prenatal care for optimizing perinatal outcomes: a systematic review and meta-analysis. Poster Presentation #728. *36th Annual Society of Maternal-Fetal Medicine Meeting*, Atlanta, GA February 1-6, 2016.
123. Temming LA, Frolova AI, Stout MJ, Tuuli M, Macones GA, Cahill AG. Shortened cervical length: is there an advantage to more than one therapy? Poster Presentation #861. *36th Annual Society of Maternal-Fetal Medicine Meeting*, Atlanta, GA February 1-6, 2016.
124. Stout MJ, Martin S, Schriefer A, Macones GM, Tuuli MG. Preoperative Skin Microbiome at the Site of Cesarean Incision: Do Communities Differ in Women With Subsequent Infection? **Oral Presentation** #O-089. *63rd Society for Reproductive Investigations Annual Scientific Meeting*, Montreal, Canada, March 16 – 19, 2016.
125. Stout MJ, Martin S, Schriefer A, Macones GM, Tuuli MG. Preoperative Skin Microbiome at the Site of Cesarean Incision: Do Communities Differ in Obese and Non-Obese Women? Poster Presentation #T-026. *63rd Society for Reproductive Investigations Annual Scientific Meeting*, Montreal, Canada, March 16 – 19, 2016.

Meeting, Montreal, Canada, March 16 – 19, 2016.

126. Sinkey RG, Odibo L, Tuuli MG, Odibo AO. NICHD racial/ethnic standards for fetal growth - do they predict small for gestational age fetuses and short-term neonatal outcomes better than Hadlock's chart? Poster Presentation #253. *37th Annual Society of Maternal-Fetal Medicine Meeting*, Las Vegas, NV. January 23 – 28, 2017 (**Best Poster Presentation - Poster Session I**).
127. Carter EC, Macones GA, Stwalley D, Olsen M, Tuuli MG, Stout MJ. Does timing of 17-Hydroxyprogesterone caproate initiation influence risk of preterm birth? Poster Presentation #142. *37th Annual Society of Maternal-Fetal Medicine Meeting*, Las Vegas, NV. January 23-28, 2017.
128. Raghuraman N, Temming LA, Stout MJ, Macones GA, Cahill AG, Tuuli MG. Intrapartum hyperoxygenation: "First, do no harm." #144. *37th Annual Society of Maternal-Fetal Medicine Meeting*, Las Vegas, NV. January 23-28, 2017.
129. Raghuraman N, Porcelli B, Temming LA, Macones GA, Tuuli MG, Cahill AG, Dicke JM. Impact of evidence based interventions on wound complications after cesarean #145. *37th Annual Society of Maternal-Fetal Medicine Meeting*, Las Vegas, NV. January 23-28, 2017.
130. Temming LA, Fears FF, Young OM, Stout MJ, Tuuli MG, Macones GA, Cahill AG. Midtrimester fetal growth restriction: is small abdominal circumference associated with adverse outcomes? #157. *37th Annual Society of Maternal-Fetal Medicine Meeting*, Las Vegas, NV. January 23-28, 2017.
131. Temming LA, Raghuraman N, Stout MJ, Cahill AG, Macones GA, Tuuli MG. Impact of evidence based interventions on wound complications after cesarean. #158. *37th Annual Society of Maternal-Fetal Medicine Meeting*, Las Vegas, NV. January 23-28, 2017.
132. Sondgeroth KE, Wan L, Rampersad RM, Stout MJ, Macones GA, Cahill AG, Tuuli MG. Risk of maternal morbidity with increasing number of repeat cesareans. #176. *37th Annual Society of Maternal-Fetal Medicine Meeting*, Las Vegas, NV. January 23-28, 2017.
133. Durst JK, Tuuli MG, Temming LA, Hamilton O, Dicke JM. Resolution of placenta previa diagnosed at the mid-trimester anatomy scan. #282. *37th Annual Society of Maternal-Fetal Medicine Meeting*, Las Vegas, NV. January 23-28, 2017.
134. Rosenbloom JI, Tuuli MG, Stout MJ, Young OM, Woolfolk C, Macones GA, Cahill AG. A prediction model for severe maternal morbidity at term in a modern cohort. #292. *37th Annual Society of Maternal-Fetal Medicine Meeting*, Las Vegas, NV. January 23-28, 2017.
135. Rosenbloom JI, Stout MJ, Tuuli MG, López JD, Macones GA, Cahill AG. Electronic fetal monitoring patterns on admission and in the active phase associated with elevated umbilical cord arterial lactate at term. #293. *37th Annual Society of Maternal-Fetal Medicine Meeting*, Las Vegas, NV. January 23-28, 2017.

136. Hannaford K, Fishman E, Tuuli MG, Cahill AG. Mode of delivery at previability: a systematic review and meta-analysis. #353. *37th Annual Society of Maternal-Fetal Medicine Meeting*, Las Vegas, NV. January 23-28, 2017.
137. Porter A, Stout MJ, Tuuli MG, Lopez JD, Cahill AG, Macones GA. Is early term spontaneous labor associated with a decreased risk of neonatal morbidity? #371. *37th Annual Society of Maternal-Fetal Medicine Meeting*, Las Vegas, NV. January 23-28, 2017.
138. Tuuli MG, Martin S, Stout MJ, Steiner HL, Harper LM, Longo S, Cahill AG, Macones GA. Pilot randomized trial of prophylactic negative pressure wound therapy in obese women after cesarean delivery. #412. *37th Annual Society of Maternal-Fetal Medicine Meeting*, Las Vegas, NV. January 23-28, 2017.
139. Raghuraman N, Roehl KA, Tuuli MG, Rampersad RM, Macones GA, Cahill AG. Induction of labor in an obese population: are we choosing the right method? #419. *37th Annual Society of Maternal-Fetal Medicine Meeting*, Las Vegas, NV. January 23-28, 2017.
140. Lewkowitz AK, Tuuli MG, Stout MJ, Woolfolk C, Macones GA, Cahill AG. Epidural anesthesia and the modern labor curve: how timing of epidural initiation impacts fetal station during active labor. #457. *37th Annual Society of Maternal-Fetal Medicine Meeting*, Las Vegas, NV. January 23-28, 2017.
141. Hirshberg JS, Tuuli MG, Stout MJ, Conner SN, Lopez JD, Macones GA, Cahill AG. What is the threshold of maternal leukocytosis in labor associated with maternal or neonatal morbidity? #465. *37th Annual Society of Maternal-Fetal Medicine Meeting*, Las Vegas, NV. January 23-28, 2017.
142. Stout MJ, Macones GA, Cahill AG, Fowler SA, Tuuli MG. Effect of obesity on efficacy of 17 hydroxyprogesterone caproate in preventing recurrent preterm birth. #591. *37th Annual Society of Maternal-Fetal Medicine Meeting*, Las Vegas, NV. January 23-28, 2017.
143. Rhoades JS, Bierut T, Conner SN, Tuuli MG, Vesoulis Z, Macones GA, Cahill AG. Implementation of an evidence-based delayed cord clamping protocol for neonates <32 weeks. #639. *37th Annual Society of Maternal-Fetal Medicine Meeting*, Las Vegas, NV. January 23-28, 2017.
144. Durst JK, Stout MJ, Martin S, Cahill AG, Macones GA, Tuuli MG. Risk factors for incidental hysterotomy extension at the time of cesarean delivery. #707. *37th Annual Society of Maternal-Fetal Medicine Meeting*, Las Vegas, NV. January 23-28, 2017.
145. Rhoades JS, Stout MJ, Roehl KA, Tuuli MG, Macones GA, Cahill AG. Normal cervical effacement in labor. #740. *37th Annual Society of Maternal-Fetal Medicine Meeting*, Las Vegas, NV. January 23-28, 2017.
146. Frolova A, Wang J, Young OM, Tuuli MG, Macones MG, Cahill AG. Effect of obesity on oxytocin augmentation among women in spontaneous labor. #765. *37th Annual Society of Maternal-Fetal Medicine Meeting*, Las Vegas, NV. January 23-28, 2017.

147. Pasko DN, Tuuli MG, Tita A, Harper LM. Does increased cefazolin dosing decrease cesarean wound complications in class III obesity? #809. *37th Annual Society of Maternal-Fetal Medicine Meeting*, Las Vegas, NV. January 23-28, 2017.
148. Hirshberg JS, Woolfolk C, Tuuli MG, Macones GA, Cahill AG, Stout MJ. Prostaglandin use for cervical ripening and intrapartum fever. #813. *37th Annual Society of Maternal-Fetal Medicine Meeting*, Las Vegas, NV. January 23-28, 2017.
149. Raghuraman N, Stout MJ, Macones GA, Cahill AG, Tuuli MG. Do electronic fetal monitoring patterns reflect fetal hypoxemia? #819. *37th Annual Society of Maternal-Fetal Medicine Meeting*, Las Vegas, NV. January 23-28, 2017.
150. Sondgeroth KE, Stout MJ, Tuuli MG, Lopez JD, Macones GA, Cahill AG. Does uterine resting tone have any clinical value in trial of labor after cesarean (TOLAC)? #829. *37th Annual Society of Maternal-Fetal Medicine Meeting*, Las Vegas, NV. January 23-28, 2017.
151. Skeith AE, Niu B, Tuuli MG, Caughey AB. Cost-effectiveness analysis of adding azithromycin to cephalosporins for cesarean infection prophylaxis. *37th Annual Society of Maternal-Fetal Medicine Meeting*, Las Vegas, NV. January 23-28, 2017.
152. Perez MJ, Chang JJ, Temming LA, Carter EB, Tuuli MG, Stout MJ, Macones GA. Driving factors of preterm birth risk in adolescents. #919. *37th Annual Society of Maternal-Fetal Medicine Meeting*, Las Vegas, NV. January 23-28, 2017.
153. Skeith AE, Tuuli MG, Caughey AB. Cost-effectiveness analysis of vaginal preparation with antiseptic solution for cesarean infection prophylaxis. #569. *37th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. January, 2018
154. Odibo AO, Nwabuobi C, Odibo L, Tuuli MG. Is the Intergrowth-21st growth standard superior to the customized approach for identifying pregnancies at risk for neonatal small for gestational age (SGA) and adverse outcomes? #451. *38th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. January, 2018
155. Leavitt L, Odibo L, Nwabuobi C, Tuuli MG, Odibo AO. Cerebroplacental ratio (CPR) compared with umbilical artery (UA) Doppler alone for the prediction of neonatal small for gestational age (SGA) and short term adverse outcomes. #245. *38th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. January, 2018
156. Rosenbloom JI, Bruno AM, Conner SN, Tuuli MG, Macones GA, Cahill AG. Fetal thrombocytopenia in alloimmunized patients. #524. *38th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. January, 2018
157. Raghuraman N, Wan L, Palanisamy A, Macones GA, Tuuli MG, Cahill AG. Free radical-mediated oxidative stress in patients exposed to oxygen in labor. #508. *38th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. January, 2018

158. Odibo AO, Nwabuobi C, Sinkey R, Odibo L, Tuuli MG. Intergrowth-21st (IG-21) compared to the NICHD race-specific growth standard for identifying pregnancies at risk for neonatal small for gestational age (SGA) and adverse outcomes? #511. *38th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. January, 2018
159. Frolova A, Stout MJ, Tuuli MG, Macones GA, Cahill AG. Impact of obesity on second stage of labor dystocia in nulliparous women. #803. *38th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. January, 2018
160. Stout MJ, Tuuli MG, Macones GA, Wylie TN, Wylie KM. Diversity of the vaginal virome is associated with preterm birth. #30 (**Oral presentation**). *38th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. January, 2018
161. Raghuraman N, , Tuuli MG. Macones GA, Cahill AG, Stout MJ. Prediction of morbidity in SGA neonates: Are we using the right cord gas parameters to identify morbidity? #507. *38th Annual Society of Maternal-Fetal Medicine Meeting*, Las Vegas, NV. January 23-28, 2017
162. Odibo AO, Obican O, Odibo L, Sinkey R, Tuuli MG. Customized versus NICHD race-specific growth charts for identifying pregnancies at risk for small for gestational age and neonatal adverse outcomes #510. *38th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. January, 2018
163. Nwabuobi C, Leavitt L, Camisasca-Lopina H, Tuuli MG, Odibo AO. INTERGROWTH-21st and Hadlock growth standards to predict neonatal small for gestational age and short-term neonatal outcomes #518. *38th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. January, 2018
164. Lewkowitz AK, Tuuli MG, Cahill AG, Macones GA, Dicke JM. Are intermittently elevated UA Doppler Pulsatility Indices associated with increased risk of neonatal morbidity in pregnancies with intrauterine growth restriction? #246. *38th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. January, 2018
165. Obican SG, Odibo L, Tuuli MG, Rodriguez A, Odibo OA. Third trimester uterine artery doppler indices and prediction of neonatal small for gestational age (SGA) and adverse outcomes. #242. *38th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. January, 2018
166. Raghuraman N, López JD, Macones GA, Tuuli MG, Cahill AG. Does intrapartum maternal oxygen supplementation improve category II fetal heart tracings? #292. *38th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. January, 2018
167. Sondgeroth KE, Stout MJ, Carter EB, Macones GA, Cahill AG, Tuuli MG. Does interval from administration to delivery explain the higher risk of neonatal hypoglycemia associated with late preterm antenatal steroids? #589. *38th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. January, 2018

168. Sabol BA, Rhoades JS, Kelly JC, Woolfolk C, Tuuli MG, Macones GA, Cahill AG. 235: Impact of twin gestation on the modern labor curve: What is normal? #235. *38th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. January, 2018
169. Rosenbloom JI, Woolfolk C, Wan L, Stout MJ, Tuuli MG, Macones AG, Cahill AG. Cervical dilation during latent labor and cesarean delivery for arrest of dilation in active labor. #355. *38th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. January, 2018
170. Rosenbloom JL, Rhoades JS, Woolfolk C, Tuuli MG, Macones AG, Cahill AG. Propensity score analysis of prostaglandin use and cesarean delivery for nonreassuring fetal status in small for gestational age fetuses at term. #356. *38th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. January, 2018
171. Rosenbloom JL, Bruno AM, Conner, Tuuli MG, Macones AG, Cahill AG. Operative factors and complications after percutaneous umbilical cord sampling and intrauterine transfusion in a modern cohort. #357. *38th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. January, 2018
172. Stout MJ, Fujiwara H, Salama NH, Ory D, Cahill AG, Macones GA, Tuuli MG. Novel 17-Hydroxyprogesterone caproate metabolite in maternal and cord blood. #679. *38th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. January, 2018
173. Temming LA, Raghuraman N, Stout MJ, Macones AG, Tuuli MG, Cahill AG. Reduction of racial disparities in cervical length screening. #46 (**Oral Presentation**). *38th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. January, 2018
174. Raghuraman N, Wan L, Temming LA, Woolfolk C, Macones GA, Tuuli MG, Cahill AG. Oxygen for category ii intrauterine fetal resuscitation: a randomized, noninferiority trial. #8 (**Oral Plenary Presentation**). *38th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. January, 2018
175. Sondgeroth KE, Stout MJ, Carter EB, Macones GA, Cahill AG, Tuuli MG. Antenatal steroids and neonatal hypoglycemia. #13 (**Oral Presentation**). *38th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. January, 2018
176. Hirshberg JS, Fatima S, López JD, Tuuli MG, Macones AG, Cahill AG. Preeclampsia with severe features: Is postpartum ibuprofen use associated with the need for antihypertensive medication. #335. *38th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. January, 2018
177. Temming LA, Rampersad, López JD, Tuuli MG, Macones AG, Cahill AG. Differences in cervical length in african american and non-african american women. #431. *38th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. January, 2018
178. Shanahan MA, Temming LA, Stout MJ, Tuuli MG, Macones AG, Cahill AG. Identifying risk factors for declining treatment of short cervix. #433. *38th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. January, 2018

179. Stout MJ, Fujiwara H, Salama NN, Ory D, Cahill AG, Macones AG, Tuuli MG. 17-hydroxy progesterone caproate levels and risk for preterm birth. #679. *38th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. January, 2018
180. Bruno A, Lopez JD, Stout MJ, Tuuli MG, Macones AG, Cahill AG. Acidemia can occur despite category I tracing. #287. *38th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. January, 2018
181. Bligard K, Temming LA, Stout mj, Tuuli MG, Macones AG, Cahill AG. Performance of cervical length screening in african american women. #85 (**Oral Presentation**). *38th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. January, 2018
182. Rosenbloom JI, Bruno AM, Conner SN, Tuuli MG, Macones AG, Cahill AG. Decline in fetal hemoglobin after in-utero transfusion in alloimmunized patients. #525. *38th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. January, 2018
183. Hirshberg JS, Fatima S, López JD, Tuuli MG, Macones AG, Cahill AG Preeclampsia with severe features: Is Ibuprofen dose associated with elevated blood pressures postpartum? #332. *38th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. January, 2018
184. Sabol B, Shanahan M, Kelly JC, Tuuli MG, López JD, George A. Macones, Alison G. Cahill. Impact of amnioinfusion on uterine tone and contractions. #369. *38th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. January, 2018
185. Temming LA, Raghuraman N, Woolfolk C, Dicke JM, Tuuli MG, Macones AG, Cahill AG, Conner SN. Clinical significance of circumvallate placenta. #432. *38th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. January, 2018
186. Carter EB, Barbier K, Hill PK, Briggs AA, Cahill AG, Colditz GA, Macones GA, Tuuli MG, Mazzone SE. The effect of Diabetes Group Prenatal Care on Pregnancy Outcomes: a pilot randomized controlled trial. #979. *38th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. January, 2018 (**Best Poster Presentation - Poster Session V**).
187. Stout MJ, Zhao P, Hu P, Qu Y, Chubiz J, Maslov K, Garcia JI, Wang L, Macones GA, Tuuli MG. Novel, sensor-based quantitative cervical elastography: objective quantification of cervical softness. #15 (**Oral Presentation**). *39th Annual Society of Maternal-Fetal Medicine Meeting*, Las Vegas, NV. February 11 - 16, 2019
188. Tuuli MG, Woolfolk C, Caughey AB, Alan Tita A, Srinivas S, Macones GA, Cahill AG. Second stage duration and labor outcomes in nulliparous women with neuraxial analgesia. #98 (**Oral Presentation**). *39th Annual Society of Maternal-Fetal Medicine Meeting*, Las Vegas, NV. February 11 - 16, 2019
189. Blankenship SA, Brown KE, Stout MJ, Tuuli MG. Antenatal corticosteroids in preterm growth-restricted fetuses: A systematic review and meta- analysis. #483. *39th Annual Society of Maternal-Fetal Medicine Meeting*, Las Vegas, NV. February 11 - 16, 2019

190. Frolova AI, Shanahan MA, Tuuli MG, Simon LE, Young OM. Complications of peripherally inserted central catheters in pregnancy: a systematic review and meta-analysis. #831. *39th Annual Society of Maternal-Fetal Medicine Meeting*, Las Vegas, NV. February 23-28, 2019
191. Skeith AE, Valent AM, Tuuli MG, Caughey AB. Cost-effectiveness analysis comparing pre-incision and postpartum antibiotics for cesarean infection prophylaxis in obese women. #951. *39th Annual Society of Maternal-Fetal Medicine Meeting*, Las Vegas, NV. February 11 - 16, 2019
192. Tuuli MG, Tom Gregory, Lily A. Arya, Jerry L. Lowder, Candice Woolfolk, Aaron B. Caughey, Sindhu K. Srinivas, Alan T. Tita, and others. Impact of second stage pushing timing on maternal pelvic floor morbidity: Multicenter randomized controlled trial. #7(**Oral Plenary Presentation#7**). 40th Annual Society of Maternal-Fetal Medicine Meeting, Dallas TX. February, 2020
193. Duncan Harmon, Aaron B. Caughey, Methodius G. Tuuli, Sindhu K. Srinivas, Alan T. Tita, Alison G. Cahill. Fetal position at complete cervical dilation and maternal/fetal outcomes. #33(**Oral Presentation**). *40th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. February, 2020
194. Nandini Raghuraman, Julia D. Lopez, Tuuli MG, George A. Macones, Alison G. Cahill. Category II patterns in the second stage preceding abnormal fetal pH: Prolonged decelerations matter. #988. *40th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. February, 2020
195. Lorie M. Harper, Yumo Xue, Jeff M. Szychowski, Tuuli MG, Erika F. Werner, Jerrie Refuerzo, Miriam Kuppermann, Alan T. Tita. When should early screening for gestational diabetes occur? #427. *40th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. February, 2020
196. Virginia Watkins, Shannon Martin, George A. Macones, Tuuli MG, Alison G. Cahill, Nandini Raghuraman. Duration of maternal oxygen exposure and umbilical cord oxygen content. #37(**Oral Presentation**).. *40th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. February, 2020
197. Eleanor M. Schmidt, Alyssa R. Hersh, Tuuli MG, Alison G. Cahill, Aaron B. Caughey. Reconsidering criteria for active phase labor management: a cost-effectiveness analysis. #967. *40th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. February, 2020
198. Molly J. Stout, Megan C. Oakes, Jessica Chubiz, Olivia Passafiume, Bronwyn Bedrick, Sarah K. England, George A. Macones, Tuuli MG, Jungheim E. The fourth trimester in high deprivation areas: Are we missing the highest risk patients? #394. *40th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. February, 2020
199. Nandini Raghuraman, Tuuli MG, Sindhu K. Srinivas, Aaron B. Caughey, Alan T. Tita, Anjana Delhi, Candice Woolfolk, Alison G. Cahill. Second stage of labor outcomes in

- nulliparous patients with prolonged first stage of labor. #32(**Oral Presentation**). *40th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. February, 2020
200. Eleanor M. Schmidt, Alyssa R. Hersh, Ashley E. Skeith, Tuuli MG, Alison G. Cahill, Aaron B. Caughey. Extending the second stage of labor in nulliparous women with epidural analgesia: a cost-effectiveness analysis. #968. *40th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. February, 2020
201. Megan C. Oakes, Jessica Chubiz, Olivia Passafiume, Bronwyn Bedrick, Sarah K. England, George A. Macones, Tuuli MG, Emily Jungheim, and others. Early pregnancy stress and depression: differences among race and parity. #1126. *40th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. February, 2020
202. Megan C. Oakes, Jessica Chubiz, Olivia Passafiume, Bronwyn Bedrick, Sarah K. England, George A. Macones, Tuuli MG, Emily Jungheim, and others. Stress and depression measures in pregnancy: early pregnancy targets are more meaningful. #756. *40th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. February, 2020
203. Molly J. Stout, Megan C. Oakes, Jessica Chubiz, Olivia Passafiume, Anjana Delhi, Candice Woolfolk, Emily Jungheim, Sarah K. England, Macones GA, Tuuli MG. Area deprivation index and adverse obstetric outcomes. #800. *40th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. February, 2020
204. Karen Greiner, Tuuli MG, Sindhu K. Srinivas, Alan T. Tita, Alyssa R. Hersh, Brooke F. Mischkot, Alison G. Cahill, Aaron B. Caughey. Immediate versus delayed pushing in nulliparous women: A cost-effectiveness analysis. #702. *40th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. February, 2020
205. Tuuli MG, Alan T. Tita, Sindhu K. Srinivas, Candice Woolfolk, Aaron B. Caughey, Alison G. Cahill. Prolonged second stage and umbilical arterial acidemia in nulliparous women with neuraxial analgesia at term. #51(**Oral Presentation**). *40th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. February, 2020 (**Best Oral Presentation Award, Concurrent Session 3**)
206. Annessa Kernberg, Stephanie Pizzella, Emily Diveley, Cassy Hardy, Peinan Zhao, Alison G. Cahill, George A. Macones, Tuuli MG, and others. Fetal growth trajectory in spontaneous and indicated preterm births: perhaps more similar than different. #306. *40th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. February, 2020
207. Megan C. Oakes, Jessica Chubiz, Olivia Passafiume, Bronwyn Bedrick, Sarah K. England, George A. Macones, Tuuli MG, Emily Jungheim, and others. First trimester stress and depression as risk factors for preterm birth. #1125. *40th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. February, 2020
208. Annessa Kernberg, Stephanie Pizzella, Emily Diveley, Cassy Hardy, Peinan Zhao, Alison G. Cahill, George A. Macones, Tuuli MG, and others. Short femur length: A biomarker for

- spontaneous preterm birth? #307. *40th Annual Society of Maternal-Fetal Medicine Meeting*, Dallas TX. February, 2020
209. Joanna Izewski, Sarah Boudova, Caroline E. Rouse, ...David M. Haas, Jeffrey F. Peipert, Tuuli MG. Neonatal outcomes in pregnant women with diagnosis of COVID-19. #786 *41ST Annual Society of Maternal-Fetal Medicine Meeting. January, 2021*
210. Maria Schmoll, Diana Baxter, Caroline E. Rouse, ... David M. Haas, Jeffrey F. Peipert, Tuuli MG. Predictors of postpartum readmission for hypertensive disease. #948. *41st Annual Society of Maternal-Fetal Medicine Meeting. January, 2021*
211. Katherine Miller, Sophie Green, Tuuli MG, Anthony L. Shanks. Accuracy of middle cerebral artery doppler ultrasound for fetal anemia prior to 24 weeks gestation. #965. *41st Annual Society of Maternal-Fetal Medicine Meeting. January, 2021*
212. Sherrine A. Ibrahim, Sarah Boudova, Caroline E. Rouse, ...David M. Haas, Jeffrey F. Peipert, Tuuli MG. ABO blood group, rhesus type and risk of COVID-19 in pregnant women. #975. *41st Annual Society of Maternal-Fetal Medicine Meeting. January, 2021*
213. Peinan Zhao, Hansong Gao, Stephanie Pizzella, ...Peng Hu, Tuuli MG, Molly J. Stout. Novel measures of cervical deformation properties on transvaginal ultrasound and prediction of time to delivery. #984. *41st Annual Society of Maternal-Fetal Medicine Meeting. January, 2021*
214. Matthew Brady, Cynthia Herrick, Fan Zhang, ...Megan Foeller, Hillary Duckham, Tuuli MG. The impact of anemia on neonatal outcomes in women with pre-existing diabetes. #997 *41st Annual Society of Maternal-Fetal Medicine Meeting. January, 2021*
215. Matthew Brady, Cynthia Herrick, Ebony B. Carter, ...Megan Foeller, Hillary Duckham, Tuuli MG. Do adverse neonatal outcomes differ by anemia type among women with pre-existing diabetes? #1052 *41st Annual Society of Maternal-Fetal Medicine Meeting. January, 2021*
216. Kelsey Pape, Tuuli MG, Chemen M. Neal, ...Lorie M. Harper, Ebony B. Carter, Lauren Dungy Poythress. Predictors of surgical-site infection after cesarean delivery in obese women receiving evidence-based preventive measures. #1054 *41st Annual Society of Maternal-Fetal Medicine Meeting. January, 2021*
217. Jennifer L. Grash, David M. Haas, Tuuli MG, Christina Scifres. Trial of labor and neonatal outcomes in pregnancies complicated by diabetes. #1127 *41st Annual Society of Maternal-Fetal Medicine Meeting. January, 2021*
218. Lorene Temming, Antonina I. Frolova, Nandini Raghuraman, Tuuli MG, Alison G. Cahill. Vaginal cleansing before cesarean delivery in labor to reduce infection: a randomized trial. #23 (**Oral Presentation**). *42nd Annual Society of Maternal-Fetal Medicine Meeting. February, 2022*
219. Tom Gregory, Alison G. Cahill, Candice Woolfolk, ...Alan T. Tita, Tuuli MG, Holly E. Richter. Impact of Pushing Timing on Occult Injury of Levator Ani: a Multicenter Randomized

Controlled Trial. #99 (**Oral Presentation**). *42nd Annual Society of Maternal-Fetal Medicine Meeting. February, 2022*

220. Alexander M. Saucedo, Methodius G. Tuuli, Tom Gregory, ... George A. Macones, Holly E. Richter, Alison G. Cahill. Intrapartum Risk Factors for Pelvic Organ Prolapse Postpartum #375. *42nd Annual Society of Maternal-Fetal Medicine Meeting. February, 2022*
221. Tom Gregory, Alison G. Cahill, Candice Woolfolk, ... Alan T. Tita, Tuuli MG, Holly E. Richter. Association of lower degree perineal lacerations at delivery and occult injury of levator ani muscles. #521. *42nd Annual Society of Maternal-Fetal Medicine Meeting. February, 2022*
222. Anthony O. Odibo, Rachel G. Sinkey, Fan Zhang, Tuuli MG, Antonina I. Frolova, Stephanie T. Ros, Charles Lockwood. Impact of higher dose on pharmacokinetics of 17-alpha hydroxyl progesterone caproate (17OHPC) in obese women. #687. *42nd Annual Society of Maternal-Fetal Medicine Meeting. February, 2022*
223. Alexander M. Saucedo, Tuuli MG, Tom Gregory, ... George A. Macones, Holly E. Richter, Alison G. Cahill. Are There Modifiable First and Second Stage Risk Factors for Perineal Lacerations? #1065. *42nd Annual Society of Maternal-Fetal Medicine Meeting. February, 2022*
224. Brock Polnaszek, Sebastian Z. Ramos, Valery A. Danilack, David A. Savitz, Tuuli MG, Adam K. Lewkowitz. Spontaneous obstetric anal sphincter injury among nulliparous women with non-operative vaginal delivery: Modifiable risk factors? #1069. *42nd Annual Society of Maternal-Fetal Medicine Meeting. February, 2022*