

Richard M. Burwick, MD, MPH
Curriculum Vitae

Professional Contact Information:

Cedars-Sinai Medical Center
Department of Obstetrics & Gynecology
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Education:

1996-2000 The Johns Hopkins University- B.A., Biology
2000-2004 University of California, San Francisco School of Medicine- M.D.
2003-2004 University of California, Berkeley – M.P.H., Epidemiology and Biostatistics

Training:

2005-2009 Harbor-UCLA Medical Center –Residency in Obstetrics and Gynecology
2010-2013 Brigham and Women’s Hospital – Fellowship in Maternal Fetal Medicine

Licensure:

2007 - California Medical License, #101683
2013 - Oregon Medical License, #162676
2013 - Washington Medical License: #60403040

Board Certification:

2015 - Obstetrics and Gynecology, American Board of Obstetrics and Gynecology
2016 - Maternal Fetal Medicine, American Board of Obstetrics and Gynecology

Professional Experience:

2010 – 2013 Clinical Instructor, Department of Obstetrics and Gynecology
Brigham and Women’s Hospital, Harvard Medical School

2013 – 2017 Assistant Professor, Department of Obstetrics and Gynecology, Division of Maternal
Fetal Medicine; Oregon Health & Science University

2016 – 2017 Medical Director of Obstetric Services, Department of Obstetrics and Gynecology
Oregon Health & Science University

2017 - Assistant Professor, Department of Obstetrics and Gynecology, Division of Maternal
Fetal Medicine; Cedars-Sinai Medical Center

2017- Associate Fellowship Director, Division of Maternal Fetal Medicine; Cedars-Sinai
Medical Center

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Professional Activities:

- 2005 - American Congress of Obstetricians and Gynecologists
- 2010 - Society for Maternal Fetal Medicine
- 2012 - North American Society for the Study of Hypertension in Pregnancy
- 2013 - Ad Hoc Journal Reviewer: Hypertension, American Journal of Obstetrics and Gynecology, Journal of Perinatology, Journal of Maternal Fetal Neonatal Medicine, Pregnancy Hypertension, Acta Obstetrica et Gynecologica Scandinavica, Reproductive Sciences, BMC Pregnancy & Childbirth
- 2013 – 2014 Scientific Program Committee, American Society for Reproductive Immunology
- 2015 – 2017 Perinatal Best Practice Committee, Oregon Health & Science University (OHSU)
- 2015 – 2017 Women & Newborn Quality Executive Committee, OHSU
- 2016 – Consultant and Speaker, Alexion Pharmaceuticals
- 2017 – Fundared Materna- Global Network Foundation for Perinatal and Reproductive Health
- 2017 – Pharmacy and Therapeutics Committee, Cedars-Sinai Medical Center
- 2018 – Graduate Medical Education Committee, Cedars-Sinai Medical Center
- 2018 - Global Health Committee, Society for Maternal Fetal Medicine

Honors and Awards:

- 1998, 1999 Howard Hughes Research Fellowship, The Johns Hopkins University
- 2000 Phi Beta Kappa, The Johns Hopkins University
- 2000 – 2004 Regent Scholar, University of California, San Francisco
- 2001 Rainer Fund Award for Third World Service, University of California, San Francisco
- 2007 Best PGY2 OB-GYN Teaching Resident, Harbor-UCLA Medical Center
- 2009 Outstanding Resident Research Award, Harbor-UCLA Medical Center
- 2010 Excellence in Clinical Research; ACOG, Inter-conception Care Project
- 2012, 2013 Young Investigator Award; North American Society for Hypertension in Pregnancy
- 2012 Research Excellence Award; Biomedical Research Institute, Harvard Medical School- Top Poster, “Complement Activation in Severe Preeclampsia”
- 2013 Expanding the Boundaries Award, Harvard Medical School- “Urinary C5b-9, Preeclampsia Point-of-Care Test”
- 2014 Poster Session Award; SMFM 34th Annual Meeting- The Pregnancy Meeting Top Poster, “A Novel Pattern of Kidney Injury in Preeclampsia”
- 2014 Faculty Teaching Award; “Best Lecturer”, Oregon Health & Science University
- 2017 Top Doctor, Maternal Fetal Medicine; Portland Monthly
- 2018 Golden Apple Faculty Teaching Award, Cedars-Sinai Medical Center
- 2018 2nd Place- Project COPA, XIV Health Sciences Research Award by Keralty; Colombia

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Research Grants:

- 2019 – 2020 Principal Investigator
Project Title: “Complement Regulation to Undo Systemic Harm in Preeclampsia: The CRUSH Study”
Funding Agency: Alexion Pharmaceuticals
- 2018 – 2020 Co-Principal Investigator
Project Title: “COPA-3: Complement Activation in the Brain and its Association with Centrally Mediated Hypertension in Preeclampsia”
Funding Agency: Hospital Universitario San Ignacio, Bogota, Colombia
- 2017 – 2019 Co-Principal Investigator
Project Title: “COPA-2: CD59 in Hypertensive Disorders of Pregnancy”
Funding Agency: Colciencias, Administrative Department of Science, Technology and Innovation, Colombia
- 2015 – 2017 Co-Principal Investigator
Project Title: “COPA-1: Complement Activation in Hypertensive Disorders of Pregnancy”
Funding Agency: Colciencias, Administrative Department of Science, Technology and Innovation, Colombia
- 2015 - 2017 Principal Investigator
Project Title: “Complement in the Brain and its Association with Centrally Mediated Hypertension and Sympathetic Nerve Activity in Preeclampsia”
Funding Agency: Preeclampsia Foundation, Vision Grant
- 2014 – 2015 Principal Investigator
Project Title: “Complement Activation in the Brain and its Role in Pregnancy Hypertension”
Funding Agency: Oregon Health & Science University, Mission Support Award
- 2014 – 2015 Site Principal Investigator
Project Title: “A retrospective survey of preterm patients with preeclampsia who were hospitalized at potential clinical trial sites over the previous two years to establish feasibility for the PRESERVE-1 study”
Funding Agency: rEVO Biologics, Inc. Study number RP AT PPE 01-13

Patents:

- 2014 - 2016 U.S. Patent, Publication #WO2014078622 A1; Application #PCT/US2013/0702386. Brigham and Women’s Hospital Invention #22000. “Method and system for diagnosing and treating severe preeclampsia”. Publication date May, 2014.

Invited Lectures and Presentations:

- January, 2013 “Severe Preeclampsia: Is it a Complement Dysregulation Syndrome?” Grand Rounds. Department of Obstetrics and Gynecology, Oregon Health and Science University; Portland, OR.
- October, 2013 “Complement Activation in Severe Preeclampsia”. Grand Rounds. University of Oregon, Department of Physiology. Eugene, OR.

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- November, 2013 “Controversies in Preeclampsia Management”. Pacific Northwest Update in Ob/Gyn. Portland, OR.
- June, 2014 “Intrahepatic Cholestasis of Pregnancy”. Samaritan Albany General Hospital. Albany, OR
- August, 2014 “Cholestasis in Pregnancy”. IV Congreso Javeriano de Ginecología Y Obstetricia. Pontificia Universidad de Javeriana. Bogota, Colombia.
- August, 2014 “Prenatal Diagnosis”. IV Congreso Javeriano de Ginecología Y Obstetricia. Pontificia Universidad de Javeriana. Bogota, Colombia.
- August, 2014 “Preeclampsia and Complement Activation”. IV Congreso Javeriano de Ginecología Y Obstetricia. Pontificia Universidad de Javeriana. Bogota, Colombia.
- September, 2014 “Diagnosis and Management of Preeclampsia”. Peace Health SW Vancouver. Vancouver, WA.
- October, 2014 “Preeclampsia: Updates in Diagnosis and Management”. Martha Browning Bryant Conference. Portland, OR.
- February, 2015 “Pregnancy: A window to future health”. Annual Primary Care Review. Portland, OR.
- August, 2015 “Preeclampsia: An Overview”. McMinville Medical Center. McMinville, OR
- October, 2015 “Preeclampsia: Cambios en el diagnóstico y manejo y el rol de las proteínas del complemento”. Ob-Gyn Grand Rounds. Hospital San Vicente Fundación; Medellin, Colombia.
- October, 2015 “El Proyecto COPA: Complemento Obstétrico en Preeclampsia de las Americas”. Ob-Gyn Grand Rounds. Clinica de Maternidad Rafael Calvo. Cartagena, Colombia.
- August, 2016 “Zika Virus: Definition, Management and Ultrasound Findings”. Congreso Internacional de Neonatología y Medicina Materno Fetal. Panama City, Panama.
- August, 2016 “Prenatal Ultrasound: What to look for on an Anatomy Survey”. Congreso Internacional de Neonatología y Medicina Materno Fetal. Panama City, Panama.
- August, 2016 “Preeclampsia: Updates in Diagnosis and Management”. Congreso Internacional de Neonatología y Medicina Materno Fetal. Panama City, Panama.
- November, 2016 “Zika Virus: External Influences on Reproductive and Women’s Health”. Pacific Northwest Update in Ob/Gyn. Portland, OR.
- January, 2017 “Complement Activation in Preeclampsia: Project COPA”. 6th Annual Women’s Health Research Symposium. Oregon Health & Science University. Portland, OR.
- January, 2017 “Complement Blockade for Preeclampsia”. Research Symposium, Preeclampsia - State of the Science. 37th Annual Meeting: The Pregnancy Meeting. Society of Maternal Fetal Medicine. Las Vegas, NV.
- July, 2017 “Project COPA, Complement and Preeclampsia in the Americas”. Ob-Gyn Grand Rounds. Hospital San Vicente Fundación; Medellin, Colombia

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- September, 2017 “Preeclampsia and Atypical Hemolytic Uremic Syndrome: How do they Complement each other?” Obstetrics and Gynecology Grand Rounds. Cedars-Sinai Medical Center.
- December, 2017 “Preeclampsia and Atypical Hemolytic Uremic Syndrome: How do they Complement each other?” Renal Grand Rounds. Cedars-Sinai Medical Center.
- March, 2018 “Cholestasis of Pregnancy: Scratching beneath the service”. 4th Annual Cedars-Sinai Update in Obstetrics and Gynecology. Cedars-Sinai Medical Center.
- May, 2018 “Atypical Hemolytic Uremic Syndrome in the Context of Pregnancy”. Obstetrics and Gynecology, Grand Rounds. University of Texas, Houston.
- August, 2018 “Atypical Hemolytic Uremic Syndrome in the Context of Pregnancy”. Department of Obstetrics and Gynecology. White Memorial Medical Center. Los Angeles CA.
- September, 2018 “Preeclampsia and Atypical Hemolytic Uremic Syndrome: How do they Complement each other?” Obstetrics and Gynecology Grand Rounds. University of California, Irvine.
- October, 2018 “Preeclampsia and Atypical Hemolytic Uremic Syndrome: How do they Complement each other?” Nephrology Grand Rounds. University of California, Los Angeles
- October, 2018 “Preeclampsia and Atypical Hemolytic Uremic Syndrome: How do they Complement each other?” NephroNet IX Meeting. San Diego, CA
- December, 2018 “Preeclampsia and Atypical Hemolytic Uremic Syndrome: How do they Complement each other?” 3rd Annual Southern California Kidney Symposium. Los Angeles, CA.
- January, 2019 “Atypical Hemolytic Uremic Syndrome in the Context of Pregnancy”. Phoenix Obstetrical and Gynecological Society. Phoenix, AZ.
- February, 2019 “Pregnancy-Associated Atypical Hemolytic Uremic Syndrome: Case Review”. Society for Maternal Fetal Medicine, 39th Annual Meeting, The Pregnancy Meeting, Society for Maternal Fetal Medicine. Las Vegas, NV.
- April, 2019 “Severe Preeclampsia: Diagnosis and Management”. Congreso Internacional. XXVII Curso de Actualizacion en Ginecologia y Obstetricia. Universidad de Antioquia, Medellin, Colombia.

Research Papers:

1. **Burwick RM**, Ramsey PP, Haines JL, et al. APOE epsilon variation in multiple sclerosis susceptibility and disease severity: Some answers. *Neurology* 2006; 66:1373-1383.
2. **Burwick RM**, Lee GT, Benedict JL, Ross MG, Kjos SL. Blinded Comparison of Cervical Portio Length Measurements by Digital Examination versus CervilenzTM. *AJOG*, May, 2009; e37-39, PMID: 19200931.
3. **Burwick RM**, Zork NM, Lee GT, Ross MG, Kjos, SL. Cervilenz Assessment of Cervical Length Compared to Fetal Fibronectin in the Prediction of Preterm Delivery in Women with Threatened Preterm Labor. *J Matern Fetal Neonatal Med.* 2011 Jan; 24(1):127-31.

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4. **Burwick RM**, Schulkin JM, Cooley SW, Janakiraman V, Norwitz ER, Robinson JN. Recent Trends in Continuing Medical Education among Obstetrician-Gynecologists. *Obst Gyn.* 2011 May; 117(5):1060-4.
5. Lee GT, **Burwick R**, Zork N, Kjos SL. Does the use of fetal fibronectin in an algorithm for preterm labor reduce triage evaluation times? *J Matern Fetal Neonatal Med.* 2013 May; 26(7):706-9.
6. **Burwick RM**, Feinberg BB. Eculizumab for the Treatment of Preeclampsia / HELLP Syndrome. *Placenta.* 2013 Feb; 34(2): 201-3.
7. **Burwick, RM**, Fichorova R, Dawood H, Yamamoto H, Feinberg BB. Urinary Excretion of C5b-9 in Severe Preeclampsia: Tipping the Balance of Complement Activation in Pregnancy. *Hypertension.* 2013 Dec;62(6):1040-5.
8. **Burwick RM**, Easter SR, Dawood H, Yamamoto H, Fichorova R, Feinberg BB. Complement Activation and Kidney Injury Molecule-1-Associated Proximal Tubule Injury in Severe Preeclampsia. *Hypertension.* 2014 Oct; 64(4):833-8.
9. **Burwick RM**, Burwick NR, Feinberg BB. Eculizumab fails to inhibit generation of C5a in vivo. *Blood.* 2014 Nov 27;124(23):3502-3.
10. Guseh SH, Feinberg BB, Dawood HY, Yamamoto HS, Fichorova RN, **Burwick RM**. Urinary Excretion of C5b-9 is Associated with the Anti-Angiogenic State in Severe Preeclampsia. *Am J Reprod Immunol.* 2015 May; 73(5):437-44.
11. Pilliod RA, Page JM, **Burwick RM**, Kaimal AJ, Cheng YW, Caughey AB. The Risk of Fetal Death in Non-Anomalous Pregnancies Affected by Polyhydramnios. *Am J Obstet Gynecol.* 2015 Sep; 213(3):410.e1-6.
12. Pilliod RA, Feinberg BB, **Burwick RM**. Maternal and feto-placental phenotypes of early-onset severe preeclampsia. *J Mat Fet Neonat Med.* 2015; May 19:1-5.
13. Esakoff TF, Rad S, **Burwick RM**, Caughey AB. Predictors of eclampsia in California. *J Matern Fetal Neonatal Med.* 2015 Jul 29:1-5
14. Sharma KJ, Esakoff TF, Guillet A, **Burwick RM**, Caughey AB. Pregnancies complicated by both preeclampsia and growth restriction between 34 and 37 weeks' gestation are associated with adverse perinatal outcomes. *J Matern Fetal Neonatal Med.* 2016; Nov 10:1-4.
15. **Burwick RM**, Kuo K, Brewer D, Druker BJ. Maternal, Fetal, and Neonatal Imatinib Levels With Treatment of Chronic Myeloid Leukemia in Pregnancy. *Obstet Gynecol.* 2017; 129(5):831-834.
16. Hackmon R, Librach C, **Burwick R**, Rodrigues N, Farine D, Berger H. Do Early Fetal Measurements and Nuchal Translucency Correlate With Term Birth Weight? *J Obstet Gynaecol Can.* 2017. Sep; 39(9):750-756.
17. **Burwick RM**, Pilliod RA, Dukhovny SE, Caughey AB. Fetal hydrops and the risk of severe preeclampsia. *J Matern Fetal Neonatal Med.* 2017. Nov 8:1-5.
18. Wertz M, **Burwick R**, Togioka B. Intraperitoneal chloroprocaine is a useful adjunct to neuraxial block during cesarean delivery: a case series. *Int J Obstet Anesth.* 2018 Aug; 35:33-41
19. **Burwick RM**, Rincon M, Beeraka SS, Gupta M, Feinberg BB. Evaluation of Hemolysis as a Severe Feature of Preeclampsia. *Hypertension.* 2018 Aug;72(2):460-465.

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20. Govindappagari S, **Burwick RM**. Treatment of Iron Deficiency Anemia in Pregnancy with Intravenous versus Oral Iron: Systematic Review and Meta-Analysis. *Am J Perinatol*. 2019 Mar;36(4):366-376.
21. Greiner KS, Speranza RJ, Rincón M, Beeraka SS, **Burwick RM**. Association between insurance type and pregnancy outcomes in women diagnosed with hypertensive disorders of pregnancy. *J Matern Fetal Neonatal Med*. 2018 Sep 26;1-7.
22. **Burwick RM**, Vasquez J, Valencia C, et al. Terminal Complement Activation in Preeclampsia. *Obstet Gynecol*. 2018 Dec; 132(6):1477-1485.
23. Govindappagari S, Nguyen M, Gupta M, Hanna RM, **Burwick RM**. Severe Vitamin B12 Deficiency in Pregnancy Mimicking HELLP Syndrome. *Case Rep Obstet Gynecol*. 2019 Mar 25; 2019:4325647.

Chapters:

1. **Burwick, RM** (2011). Chapter 6- HELLP Syndrome. In M.G. Ross, & MH Beall, *Obstetrics Case-Based Review*. Philadelphia, USA: Lippincott William's & Wilkins.

Reviews:

1. Regal JF, Gilbert JS, **Burwick RM**. The complement system and adverse pregnancy outcomes. *Mol Immunol*. 2015 Sep; 67(1):56-70.
2. Mourad M, Jain J, Mehta MP, Feinberg BB, **Burwick RM**. Are we getting closer to explaining preeclampsia? *Curr Obst Gynecol Reports*. 2016; Sep 5(3):264-72.
3. Regal JF, **Burwick RM**, Fleming SD. The Complement System and Preeclampsia. *Curr Hypertens Rep*. 2017 Oct 18;19(11):87.
4. Berman E, Druker BJ, **Burwick R**. Chronic Myelogenous Leukemia: Pregnancy in the Era of Stopping Tyrosine Kinase Inhibitor Therapy. *J Clin Oncol*. 2018 Apr 20;36(12):1250-1256.
5. Gupta M, Feinberg BB, **Burwick RM**. Thrombotic microangiopathies of pregnancy: Differential diagnosis. *Pregnancy Hypertens*. 2018 Feb 16;12:29-34.
6. Hanna RM, Barsoum M, Vandross A, Kurtz I, **Burwick R**. Atypical hemolytic uremic syndrome and complement blockade: established and emerging uses of complement inhibition. *Curr Opin Nephrol Hypertens*. 2019 May;28(3):278-287.

Letters to the Editor:

1. **Burwick RM**. Indomethacin and antibiotics in examination-induced cerclage: a randomized controlled trial. *Obstet Gynecol*. 2014;124(3):637.
2. **Burwick RM**, Burwick N, Feinberg BB. Response: Maternal and cord C5a in response to eculizumab. *Blood*. 2015; 126(2):279-80.
3. **Burwick RM**, Feinberg BB. From Gestational Hypertension and Preeclampsia to Atypical Hemolytic Uremic Syndrome. *Obstet Gynecol*. 2016; 128(3):657.

Oral Abstracts:

1. **Burwick RM**, Zork NM, Lee GT, Ross MG, Kjos, SL. Cervical Assessment of Cervical Length Compared to Fetal Fibronectin in the Prediction of Preterm Delivery in Women with Threatened Preterm Labor. ACOG 58th Annual Clinical Meeting. San Francisco, CA 2010

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2. **Burwick RM**, Rifas-Shiman SL, Oken E, Parker MGK, Gillman MW. Association of Higher Pre-Pregnancy BMI with Longer Femur Length at 16-20 Week. New England Perinatal Society. Newport, RI. March 2011
3. **Burwick RM**, Shipp, TD. Early Neonatal Weight Loss Differs by Mode of Delivery in Healthy Term and Late Preterm Neonates. New England Perinatal Society. Newport, RI. March 2012.
4. **Burwick RM**, Dawood H, Yamamoto H, Fichorova R, Feinberg BB. Elevated Urinary C5a Levels in Severe Preeclampsia / HELLP Syndrome are not associated with Clinical Measures of Renal Impairment. Biennial Conference; North American Society for the Study of Hypertension in Pregnancy. Kiawah Island, SC. September 2012.
5. **Burwick RM**, Dawood H, Yamamoto H, Fichorova R, Feinberg BB. Urinary Complement Proteins as Markers of Complement Dysregulation in Severe Preeclampsia. New England Perinatal Society. Newport, RI. March 2013.
6. Pilliod RA, Feinberg BB, **Burwick RM**. Distinct Maternal and Fetal Phenotypes in Early-Onset Severe Preeclampsia. North American Society for the Study of Hypertension in Pregnancy. Quebec, Canada. September 2013
7. **Burwick, RM**, Fichorova R, Dawood H, Yamamoto H, Feinberg BB. Urinary Excretion of C5b-9 in Severe Preeclampsia: Tipping the Balance of Complement Activation in Pregnancy. North American Society for the Study of Hypertension in Pregnancy. Quebec, Canada. September 2013.
8. Pilliod RA, Page J, **Burwick RM**, Cheng Y, Caughey AB. Polyhydramnios & risk of fetal death. 35th Annual Meeting: The Pregnancy Meeting; Society of Maternal Fetal Medicine. San Diego, CA. February 2015.
9. Valencia CM, **Burwick RM**, Velasquez JA, et al. Improved diagnosis of preeclampsia with severe features and end organ injury using complement activation measurement in urine and plasma. 38th Annual Meeting, The Pregnancy Meeting, Society for Maternal Fetal Medicine. Dallas, TX 2018.
10. Govindappagari S, **Burwick M**. Treatment of Iron Deficiency Anemia in Pregnancy with Intravenous versus Oral Iron: Systematic Review and Meta-Analysis. American College of Obstetricians and Gynecologists (ACOG) Annual Clinical Meeting. San Diego, CA. 2018.
11. **Burwick RM**, Velasquez JA, Valencia CM, et al. Urinary excretion of C5b-9 differentiates severe preeclampsia from other hypertensive disorders. FIGO XXII, World Congress of Gynecology and Obstetrics. Rio de Janeiro, Brazil. October 2018.
12. Velasquez JA, **Burwick RM**, Valencia CM, et al Depletion of C5b-9 in plasma associates with end-organ injury and adverse outcomes in preeclampsia. FIGO XXII, World Congress of Gynecology and Obstetrics. Rio de Janeiro, Brazil. October 2018.
13. Tolosa JE, Vasquez J, Valencia C, Gutierrez-Marin JH, Rincon M, **Burwick RM**. Complement biomarker C5b-9 is associated with abnormal umbilical and MCA artery Doppler in hypertensive disease in pregnancy < 34 wk: the COPA study. The 28th ISUOG World Congress 2018. Singapore, October 2018.

Poster Abstracts:

1. **Burwick RM**, Marshall JR. Antecedents of obstetric brachial plexus palsy following cephalic vaginal birth: A systematic review. 64th Annual Obstetrical and Gynecological Assembly of Southern California, Marina Del Rey, CA; April 2009.
2. **Burwick RM**, Ardalan-Bijari M, Kjos SL. Evaluation and Assessment of the Nutritional Component of the Comprehensive Perinatal Services Program (CPSP) in Overweight and Obese Women: the effectiveness of nutritional intervention on pregnancy weight gain and neonatal birthweight. 6th World Congress on Developmental Origins of Health and Disease. Santiago, Chile. November 2009.

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3. Zork NM, **Burwick RM**, Beall M. Use of Two Applications of Vaginal Dinoprostone for Cervical Ripening in Nulliparous Patients at Term. 65th Annual Obstetrical and Gynecological Assembly of Southern California. Los Angeles, CA; April 2010.
4. Chen JJ, **Burwick RM**, Smith NA, Henry D, Genc M, Feinberg BB. Difference between Patients with Early-Onset (≤ 32 wks) and Late-onset (> 32 wks) Severe Preeclampsia. *Reproductive Sciences*. Volume 18, No.3 (Supplement). 58th Annual Meeting, Society for Gynecologic Investigation. Miami Beach, FL 2011.
5. **Burwick RM**, Wilkins-Haug LE, Shipp TD. Vitamin D [25(OH)D] Deficiency is Inversely Correlated with Gestational Age at Initial Screening. *Reproductive Sciences*. Volume 18, No.3 (Supplement). 58th Annual Meeting, Society for Gynecologic Investigation. Miami Beach, FL. March 2011.
6. **Burwick RM**, Rifas-Shiman SL, Oken E, Parker MGK, Gillman MW. Association of Higher Pre-Pregnancy BMI with Longer Femur Length at 16-20 Week. American Institute of Ultrasound in Medicine Annual Conference. New York, NY; April 2011
7. Sparks TN, **Burwick RM**, Feinberg BB. Vitamin D Deficiency is Associated with Increased Mean Arterial Pressure at Term. 32nd Annual Meeting: The Pregnancy Meeting. Society for Maternal Fetal Medicine. Dallas, TX; February 2012
8. **Burwick RM**, Shipp TD. Early Neonatal Weight Loss Differs by Mode of Delivery in Healthy Term and Late Preterm Neonates. 32nd Annual Meeting: The Pregnancy Meeting. Society for Maternal Fetal Medicine. Dallas, TX; February 2012
9. Vargas VM, **Burwick RM**. The Relationship of Maternal Vitamin D Deficiency, Impaired Glucose Tolerance, and Obesity. Biomedical Research Institute, BWH Research Day. Boston, MA; Nov 2012
10. **Burwick RM**, Dawood H, Yamamoto H, Fichorova R, Feinberg BB. Complement Activation in Severe Preeclampsia and HELLP Syndrome. Biomedical Research Institute, BWH Research Day. Boston, MA; Nov 2012
11. **Burwick RM**, Dawood H, Yamamoto H, Fichorova R, Feinberg BB. Proximal tubal injury in severe preeclampsia is associated with complement dysregulation. 12th International Congress of Reproductive Immunology (ISIR). Boston, MA; May 2013.
12. Easter SR, **Burwick RM**, Dawood H, Yamamoto H, Fichorova R, Feinberg BB. A Novel Pattern of Kidney Injury in Preeclampsia Utilizing Urinary Biomarkers. 34th Annual Meeting: The Pregnancy Meeting; Society for Maternal Fetal Medicine. 2014
13. Pilliod RA, **Burwick RM**, Feinberg BB. Maternal, fetal & placental factors in early onset severe preeclampsia. Annual Meeting of Society for Gynecologic Investigation. Florence, Italy. March 2014
14. Patton N, Pilliod RA, **Burwick RM**. Seasonal trends in early-onset severe preeclampsia. Annual Meeting of the American Society for Reproductive Immunology. Long Beach, NY. June 2014.
15. Sharma K, Esakoff T, Guillet A, **Burwick RM**, Caughey AB. Does fetal growth restriction predict adverse maternal and neonatal outcomes in women with preeclampsia? 35th Annual Meeting: The Pregnancy Meeting; Society of Maternal Fetal Medicine. San Diego, CA. February 2015.
16. Lee V, **Burwick RM**, Pilliod RA, Shaffer B, Cheng Y, Caughey AB. Outcomes of term pregnancies complicated by term pregnancies complicated by gestational diabetes mellitus and polyhydramnios. 35th Annual Meeting: The Pregnancy Meeting; Society of Maternal Fetal Medicine. San Diego, CA. February 2015.
17. Pilliod RA, **Burwick RM**, Feinberg BB. Chronic hypertension & severe, early-onset preeclampsia. 35th Annual Meeting: The Pregnancy Meeting; Society of Maternal Fetal Medicine. San Diego, CA. February 2015.
18. **Burwick RM**, Pilliod RA, Caughey AB. Polyhydramnios, an independent risk factor for preeclampsia. 35th Annual Meeting: The Pregnancy Meeting; Society of Maternal Fetal Medicine. San Diego, CA. February 2015.

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19. **Burwick RM**, Pilliod RA, Caughey AB. Fetal hydrops and the risk of severe preeclampsia. 35th Annual Meeting: The Pregnancy Meeting; Society of Maternal Fetal Medicine. San Diego, CA. February 2015.
20. **Burwick RM**, Pilliod RA, Caughey AB. Chronic hypertension increases risk for all preeclampsia phenotypes. 35th Annual Meeting: The Pregnancy Meeting; Society of Maternal Fetal Medicine. San Diego, CA. February 2015.
21. Kernberg A, Sparks T, Shaffer B, **Burwick RM**, Caughey AB. Congenital anomalies in twin versus triplet pregnancies. 36th Annual Meeting: The Pregnancy Meeting; Society of Maternal Fetal Medicine. Atlanta, GA. February 2016.
22. Penfield, CA, Esakoff TF, **Burwick RM**, Caughey AB. Predictors of developing severe maternal morbidities of preeclampsia. 36th Annual Meeting: The Pregnancy Meeting; Society of Maternal Fetal Medicine. Atlanta, GA. February 2016.
23. Sabol B, **Burwick RM**. Preeclampsia with severe features: evaluation of the new ACOG criteria in a contemporary cohort. 36th Annual Meeting: The Pregnancy Meeting; Society of Maternal Fetal Medicine. Atlanta, GA. February 2016.
24. **Burwick RM**, Penfield CA, Esakoff TA, Pilliod RA, Caughey AB. Fetal hydrops and the risk of adverse maternal outcomes. 36th Annual Meeting: The Pregnancy Meeting; Society of Maternal Fetal Medicine. Atlanta, GA. February 2016.
25. Savitsky LM, Luck M, Speranza R, Esakoff T, **Burwick RM**, Caughey AB. The impact of preeclampsia with severe features on neonatal outcomes by gestational age. 37th Annual Meeting: The Pregnancy Meeting; Society of Maternal Fetal Medicine. Las Vegas, NV. January 2017.
26. Savitsky LM, Valent A, **Burwick RM**, Marhsall N, Caughey AB. Cost-effectiveness of exercise for the prevention of preeclampsia and gestational diabetes in obese women. 37th Annual Meeting: The Pregnancy Meeting; Society of Maternal Fetal Medicine. Las Vegas, NV. January 2017.
27. Savitsky LM, Valent A, **Burwick RM**, Marshall N, Caughey AB. Cost-effectiveness of exercise for the prevention of preeclampsia and gestational diabetes in normal weight women 37th Annual Meeting: The Pregnancy Meeting; Society of Maternal Fetal Medicine. Las Vegas, NV. January 2017.
28. Pilliod RA, Reimers RM, **Burwick RM**, Caughey AB. Chronic hypertension and pregnancy: Does race affect outcomes. 37th Annual Meeting: The Pregnancy Meeting; Society of Maternal Fetal Medicine. Las Vegas, NV. January 2017.
29. Rincon M, Sabol B, Kuo K, **Burwick RM**. Adverse neonatal outcomes among women with hypertensive disorders of pregnancy. ACOG Annual Clinical Meeting. San Diego, CA. May 2017.
30. Rincon M, Sabol B, Kuo K, **Burwick RM**. Pregnancy outcomes in gestational hypertension and preeclampsia without severe features. ACOG Annual Clinical Meeting. San Diego, CA. May 2017.
31. **Burwick RM**, Velásquez JA, Valencia CM, et al. Increased complement activation in preeclampsia, a strong association with severe disease. 38th Annual Meeting, The Pregnancy Meeting, Society for Maternal Fetal Medicine. Dallas, TX 2018.
32. **Burwick RM**, Velásquez JA, Valencia CM, et al. Preeclampsia with severe features, defining a subset of women with complement-associated disease. 38th Annual Meeting, The Pregnancy Meeting, Society for Maternal Fetal Medicine. Dallas, TX 2018.
33. **Burwick RM**, Rincon M, Beeraka SS, Gupta M, Feinberg BB. Evaluation of Hemolysis as a Severe Feature of Preeclampsia. 38th Annual Meeting, The Pregnancy Meeting, Society for Maternal Fetal Medicine. Dallas, TX 2018.
34. **Burwick RM**, Togioka BM, Speranza RJ, Gaffney JE, Roberts VHJ, Frias AE, Rincon M. Assessment of blood-brain-barrier integrity and neuroinflammation in preeclampsia. 39th Annual Meeting: The Pregnancy Meeting; Society for Maternal Fetal Medicine. Las Vegas, NV. February 2019.

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