

Scholarly Activity 2024

Publications – 15

Manuscripts – 3

1. McCarley CB, Young ML, Swaggerty R, Otten KJ, White C, Edwards TN, **Zite NB**, Heidel RE, **Nelson CH**. Implementing a nurse-initiated protocol to improve response to perinatal severe hypertension. *American Journal of Obstetrics & Gynecology MFM*, Volume 6, Issue 9, September 2024, 101424, ISSN 2589-9333, <https://doi.org/10.1016/j.ajogmf.2024.101424>. September 2024.
2. **Paudel A**, Tinius RA, **Fortner KB**, Szymanski LM, **Zite NB**, **Maples JM**. Physician recommendations for physical activity and lifestyle changes in pregnancies with fetal growth restriction: a survey. *Am J Obstet Gynecol MFM*. 2024 Nov 4:101540. doi: 10.1016/j.ajogmf.2024.101540. Epub ahead of print. PMID: 39505206. November 2024.
3. Sylvester-Armstrong KR, **Reeder CF**, Powell A, Becker MW, Hagan DW, Chen J, Mathews CE, Wasserfall CH, Atkinson MA, Egerman R, Phelps EA. Serum from pregnant donors induces human beta cell proliferation. *Islets*. 2024 Dec 31;16(1):2334044. doi: 10.1080/19382014.2024.2334044. Epub 2024 Mar 27. PMID: 38533763; PMCID: PMC10978022. December 2024.

Abstracts Presented and Published - 12

1. **Riley WL**, Hunzicker A, **Zite NB**, **Maples JM**, Mastronardi A, **Paudel A**, **Purvis R**, **Fortner KB**, **Carter K**. Prenatal Diagnosis Post-Dobbs in an Abortion-Banned State: A retrospective cohort study. Abstract accepted for poster presentation at the 44th Annual Society of Maternal Fetal Medicine Pregnancy Meeting. National Harbor, MD. February 10-14, 2024. Published in *American Journal of Obstetrics & Gynecology*. Vol 230(1)Supp:S588-S589. January 2024.
2. Brewton AB, **Paudel A**, Mastronardi A, Shore S, **Maples JM**, **Zite NB**, Young ML, **Fortner KB**. The Impact of Gestational Weight Gain on Total Lab or Length among Patients with Obesity. Abstract accepted for poster presentation at the 44th Annual Society of Maternal Fetal Medicine Pregnancy Meeting. National Harbor, MD. February 10-14, 2024. Published in *American Journal of Obstetrics & Gynecology*. Vol 230(1)Supp:S505-S506. January 2024.
3. Moss HK, **Riley WL**, Coonradt CK, Mastronardi A, Brechtel LE, **Maples JM**, **Reeder C**, van Nes J, Patel M, Stewart S, Lopez-Shultz SD, Brown L, Carroll L, **Zite NB**. Large-for-gestational age with polyhydramnios on late third-trimester ultrasound is associated with cesarean delivery. Abstract accepted for poster presentation at the 44th Annual Society of Maternal Fetal Medicine Pregnancy Meeting. National Harbor, MD. February 10-14, 2024. Published in *American Journal of Obstetrics & Gynecology*. Vol 230(1)Supp:S170. January 2024.
4. **Paudel A**, **Maples JM**, **Carter K**, Szymanski L, **Zite N**, Tinius RA, **Fortner KB**. Fetal effects of maternal exercise on pregnancies with fetal growth restriction. Abstract accepted for poster presentation at the 44th Annual Society of Maternal Fetal Medicine Pregnancy Meeting. National Harbor, MD. February 10-14, 2024. Published in *American Journal of Obstetrics & Gynecology*. Vol 230(1)Supp:S302. January 2024.
5. **Purvis R**, **Paudel AM**, **Riley W**, Parker S, **Fortner K**, Lacy-Young M, Burnette T, Lattimore K. Association between neonatal abstinence syndrome and access to obstetric delivery facilities. Abstract accepted for poster presentation at the 44th Annual Society of Maternal Fetal Medicine Pregnancy Meeting. National Harbor, MD. February 10-14, 2024. Published in *American Journal of Obstetrics & Gynecology*. Vol 230(1)Supp:S306-S307. January 2024.

6. Mills JM, Tinius R, Rowland N, Blakenship M, Olenick A, **Reeder CF, Zite NB, Maples JM**. Fetal Metabolic Gene Expression in Cord Blood Is Correlated to Neonatal Adiposity. Abstract accepted for presentation at the 2024 Annual Meeting of the Southeast Chapter of the American College of Sports Medicine. Greenville, SC. February 22-24, 2024. *International Journal of Exercise Science: Conference Proceedings*: Vol. 16: Iss. 3, Article 139. Available at: <https://digitalcommons.wku.edu/ijesab/vol16/iss3/139>. February 2024.
7. **Riley WL**, Coonradt CK, Mastronardi A, Brechtel LE, **Maples JM, Reeder C**, van Nes J, Patel M, Stewart S, Lopez-Schultz SD, Brown L, Carroll L, **Zite NB**, Moss HK. Prevalence of large-for-gestational age and polyhydramnios on routine late third-trimester ultrasound and delivery outcomes. Abstract accepted for poster presentation at the American College of Obstetricians and Gynecologists Annual Clinical & Scientific Meeting. San Francisco, CA. May 17-19, 2024. *Obstetrics & Gynecology* 143(5S):p 35S-36S, May 2024. | DOI: 10.1097/01.AOG.0001013416.72971.24. May 2024.
8. Kaak K, Mastronardi A, Young ML, **Maples J, Zite NB**. Evaluating contraception counseling and desire for immediate postpartum long-acting reversible contraception (IPP LARC) in publicly insured adolescents. Abstract accepted for poster presentation at the American College of Obstetricians and Gynecologists Annual Clinical & Scientific Meeting. San Francisco, CA. May 17-19, 2024. *Obstetrics & Gynecology* 143(5S):p 10S, May 2024. | DOI: 10.1097/01.AOG.0001012980.83290.d2. May 2024.
9. **Maples JM**, Broskey NT, Blankenship M, Paudel AM, Mastronardi A, **Zite NB, Fortner KB**, van Nes JB, Tinius RA. Investigation of Blood Lactate as a Marker of Metabolic Dysfunction During Pregnancy. Abstract accepted for poster presentation at the American College of Sports Medicine 71st Annual Meeting. Boston, MA. May 28-31, 2024. *Medicine & Science in Sports & Exercise*. 2024 Oct 1;56(10S):727. May 2024.
10. **Paudel AM, Purvis R, Riley WL, Fortner KB, Carter K**, Szymanski LM, Tinius RA, **Zite NB, Maples JM**. Mood Benefits of a Single Bout of Exercise in Pregnancies Complicated by Fetal Growth Restriction. Abstract accepted for poster presentation at the American College of Sports Medicine 71st Annual Meeting. Boston, MA. May 28-31, 2024. *Medicine & Science in Sports & Exercise*. 2024 Oct 1;56(10S):724. May 2024.
11. Mills JM, Tinius RA, Rowland N, Blankenship MM, Olenick A, **Reeder CF, Zite NB, Maples JM**. Fetal Metabolic Gene Expression in Cord Blood is Correlated to Neonatal Adiposity. Abstract accepted for poster presentation at the American College of Sports Medicine 71st Annual Meeting. Boston, MA. May 28-31, 2024. *Medicine & Science in Sports & Exercise*. 2024 Oct 1;56(10S):134. May 2024.
12. **Purvis R**, Van Nes J, **Zite NB, Reeder C**, Mastronardi A, Oyedeji O, Broskey N, **Maples JM**. Association between fasting venous lactate level and development of pre-eclampsia in pregnant individuals with gestational glucose intolerance. Abstract accepted for late-breaking poster presentation at American Diabetes Association 84th Scientific Sessions. Orlando, FL. June 20-24, 2024. *Diabetes* 2024;73(Supplement_1):1964-LB. <https://doi.org/10.2337/db24-1964-LB>. June 2024.

Abstracts Presented (not published) – 17

1. Young ML, **Fortner KB**, Morrison R, Otten K, Walker E, Swaggerty R, Edwards T, Elliott SD, Welch-Charles S, Simms-MacLeod J. *Assessing staff perceptions on race, bias, and health equity culture*. Abstract accepted for poster presentation at the Tennessee Initiative for Perinatal Quality Care Annual Conference (TIPQC) and on the TIPQC website, Franklin, TN. March 25-26, 2024.

2. Young ML, White C, Axmacher J, Bradshaw K, Morrison R, Otten K, **Fortner KB, Nelson CH, Purvis R**, Kaak K, Walker E, **Reeder C**, Welch-Charles S, Simms-MacLeod J. *Assessing utilization of the TeamBirth shared decision-making model on antepartum and postpartum units*. Abstract accepted for poster presentation at the Tennessee Initiative for Perinatal Quality Care Annual Conference (TIPQC) and on the TIPQC website, Franklin, TN. March 25-26, 2024.
3. Otten K, Young ML, McAmis M, Edwards T, Kerr L, Morrison R, **Reeder C**, Perry J, Johnson KP, **Nelson CH**. *Multimodal Approach to Decrease the Severity and Incidence of Postpartum Hemorrhage*. Abstract accepted for poster presentation at the Tennessee Initiative for Perinatal Quality Care Annual Conference (TIPQC) and on the TIPQC website, Franklin, TN. March 25-26, 2024.
4. **Purvis R**, Bradley M, **Wolfe L**, Mastronardi A, Chamberlin S, Katz E, **Maples JM, Riley WL**, Brewton AB, Hood M, Mills S, Peek M, Young ML, **Reeder C**. *Implementation of referral process during pregnancy for Hepatitis C treatment postpartum*. Abstract accepted for poster presentation at the Tennessee Initiative for Perinatal Quality Care Annual Conference (TIPQC) and on the TIPQC website, Franklin, TN. March 25-26, 2024.
5. Kaak K, Young ML, Edwards T, **Reeder C**. *Investigating Appropriate Aspirin Use in Non-Hispanic Black Women at risk for Pre-eclampsia*. Presentation at the Tennessee Initiative for Perinatal Quality Care Annual Conference (TIPQC) and on the TIPQC website, Franklin, TN. March 25-26, 2024.
6. Woods R, Kaak K, Young ML, Shelton Z, **Fortner KB**, Morrison R, Edwards T, Cox J, Mastronardi A, **Maples JM, Zite NB**. *Access to Permanent Contraception in Postpartum Patients Covered by Children's Health Insurance Program in Tennessee at the University of Tennessee Medical Center*. Abstract accepted for poster presentation at the Tennessee Initiative for Perinatal Quality Care Annual Conference (TIPQC) and on the TIPQC website, Franklin, TN. March 25-26, 2024.
7. Van Nes J, Young ML, Edwards T, **Riley WL**, Otten K, White C, Bradshaw K, Parker S, Perry J, **Nelson CH, Reeder C**. *An Initiative to Reduce Postpartum Readmissions due to Hypertensive Disorders of Pregnancy*. Abstract accepted for poster presentation at the Tennessee Initiative for Perinatal Quality Care Annual Conference (TIPQC). Franklin, TN. March 25-26, 2024.
8. Catusus C, **Paudel A, Maples JM**, Perry J. *Confidence, knowledge, and attitudes of management of diabetes in pregnancy in the inpatient setting before and after implementation of a diabetic EMR pathway*. Abstract accepted for poster presentation at the Tennessee Initiative for Perinatal Quality Care Annual Conference (TIPQC). Franklin, TN. March 25-26, 2024.
9. Shore S, Young ML, Brewton AB, van Nes J, Moss H, Otten K, Kerr L, Hance H, **Fortner KB, Simms-MacLeod J**. *Utilizing Findings of a Labor Culture Survey to Increase Maternal Empowerment in Labor and Delivery*. Abstract accepted for poster presentation at the Tennessee Initiative for Perinatal Quality Care Annual Conference (TIPQC). Franklin, TN. March 25-26, 2024.
10. Kaak K, Young ML, **Purvis R**, Mastronardi A, **Reeder C**. *Major OB Complication Committee Communication and Collaboration Survey*. Abstract accepted for poster presentation at the Tennessee Initiative for Perinatal Quality Care Annual Conference (TIPQC). Franklin, TN. March 25-26, 2024.

11. Nakahara A, **Maples JM**, Hickerson A, **Wolfe L**, **Reeder CF**, Brackney K. *Hypertensive disorders adversely affect the outcomes of growth restricted fetuses*. Abstract accepted for oral presentation at the American Institute of Ultrasound in Medicine; UltraCon 2024. Austin, TX. April 6 - 10, 2024.
12. Ahmad S, Lewis J, Rand B, Raynor H, Crouter S, **Zite N**, Schoutko W, **Fortner K**, **Maples J**, Ehrlich SF. *Exploring Health Behaviors and the Circadian Glucose Cycle in Pregnancy Hyperglycemia*. 28th Annual Exhibition of Undergraduate Research and Creative Achievement (EURECA), University of Tennessee Knoxville, April 15, 2024.
13. Shirly F, Tucker C, **Paudel A**, Pearson D, Oyedeji O, **Carter K**, **Zite NB**, **Fortner KB**, **Maples JM**. *Exploring the Effect of Exercise on Elevated Maternal Blood Lactate in High-Risk Pregnancies*. Abstract presented at Exhibition of Undergraduate Research and Creative Achievement (EURECA). Knoxville, TN. April 23, 2024.
14. **Purvis RL**, **Riley WL**, Mastronardi A, **Maples JM**, Katz E, **Reeder CF**. *Hepatitis C in Appalachia: A Cohort Study of Obstetric Data from a Regional Academic Medical Center*. Abstract accepted for poster presentation at Infectious Diseases Society for Obstetrics and Gynecology Annual Meeting. Portland, OR. August 1-3, 2024.
15. Beyer B, **Reeder CF**, Young ML, Bohrer B. *Improving peri-operative antibiotic management at the time of cesarean delivery to reduce surgical site infections (SSI) in women with severe postpartum hemorrhage at a single institution*. Abstract accepted for poster presentation at Infectious Diseases Society for Obstetrics and Gynecology Annual Meeting. Portland, OR. August 1-3, 2024.
16. **Purvis RL**, **Riley WL**, Bradley, **Wolfe L**, Chamberlin S, Mastronardi A, Katz E, Peek M, Hood M, Mills J, Young ML, **Reeder CF**. *Implementation of Referral Process During Pregnancy for Hepatitis C Treatment Postpartum*. Abstract accepted for oral presentation at the Tennessee Public Health Association 2024 Conference. Murfreesboro, TN. October 9-11, 2024.
17. Mitchell EA, Roberson, PN E, Carver C, **Purvis R**, **Wolfe L**, & **Maples JM**. *A systemic approach to Gestational Diabetes education: Developing a family-based online program*. Abstract accepted for paper presentation at the American Association for Marriage and Family Therapy, Systemic Family Therapy Conference. Orlando, Florida. November 4-7, 2024.