

NICHD Fetal Growth Study Publications

1. Buck Louis GM, Grewal J, Albert PS, Sciscione A, Wing DA, Grobman WA, Newman RB, Wapner R, D'Alton ME, Skupski D, Nageotte MP, Ranzini AC, Owen J, Chien EK, Craigo S, Hediger ML, Kim S, Zhang C, Grantz KL. Racial/ethnic standards for fetal growth: the NICHD Fetal Growth Studies. *American Journal of Obstetrics and Gynecology*. 2015; 213(4):449.e1–449.e41. PMID: [26410205](#). PMCID: [PMC4584427](#).
2. Grantz KL, Grewal J, Albert PS, Wapner R, D'Alton ME, Sciscione A, Grobman WA, Wing DA, Owen J, Newman RB, Chien EK, Gore-Laughon RE, Kim S, Zhang C, Buck Louis GM, Hediger ML. Dichorionic twin trajectories: the NICHD Fetal Growth Studies. *American Journal of Obstetrics and Gynecology*. 2016; 215(2):221.e1-221.e16. PMID: [27143399](#). PMCID: [PMC4967402](#).
3. Hediger ML, Fuchs KM, Grantz KL, Grewal J, Kim S, Gore-Langton RE, Buck Louis GM, D'Alton ME, Albert PS. Ultrasound Quality Assurance for Singletons in the National Institute of Child Health and Human Development Fetal Growth Studies. *Journal of Ultrasound in Medicine*. 2016; 35(8):1725-1733. PMID: [27353072](#).
4. Hinkle SN, Buck Louis GM, Rawal S, Zhu Y, Albert PS, Zhang C. A longitudinal study of depression and gestational diabetes in pregnancy and the postpartum period. *Diabetologia*. 2016; 59(12):2594-2602. PMID: [27640810](#). PMCID: [PMC5101167](#).
5. Zhu Y, Mendola P, Albert PS, Bao W, Hinkle SN, Tsai MY, Zhang C. Insulin-like growth factor axis and gestational diabetes: A longitudinal study in a multiracial cohort. *Diabetes*. 2016; 65(11):3495-3504. PMID: [27468747](#). PMCID: [PMC5079637](#).
6. Rawal S, Hinkle SN, Zhu Y, Albert PS, Zhang C. A longitudinal study of sleep duration in pregnancy and subsequent risk of gestational diabetes: findings from a prospective, multiracial cohort. *American Journal of Obstetrics and Gynecology*. 2017; 216(4):399.e1-399.e8. PMID: [27939328](#).
7. Rawal S, Hinkle SN, Bao W, Zhu Y, Grewal J, Albert PS, Weir NL, Tsai MY, Zhang C. A Longitudinal Study of Iron Status during Pregnancy and the Risk of Gestational Diabetes: Findings from a Prospective, Multiracial Cohort. *Diabetologia*. 2017; 60(2):249-257. PMID: [27830277](#).
8. Grobman WA, Wing DA, Albert P, Kim S, Grewal J, Guille C, Newman R, Chien EK, Owen J, D'Alton ME, Wapner R, Sciscione A, Grantz KL. Maternal depressive symptoms, perceived stress, and fetal growth. *Journal of Ultrasound in Medicine*. 2017; 36(8):1639-1648. PMID: [28393386](#).
9. Wing DA, Ortega-Villa AM, Grobman WA, Hediger ML, Grewal J, Pugh SJ, Kim S, Newman R, Chien E, Owen J, D'Alton ME, Wapner R, Sciscione A, Albert PS, Grantz KL. Maternal stress and neonatal anthropometry: the NICHD Fetal Growth Studies. *American Journal of Obstetrics and Gynecology*. 2017; 217(1):82.e1-82.e7. PMID: [28263750](#). PMCID: [PMC5511704](#).

10. Buck Louis GM; Eunice Kennedy Shriver National Institute of Child Health and Human Development Fetal Growth Studies' Research Team, Grewal J. Clarification of estimating fetal weight between 10-14 weeks gestation, NICHD Fetal Growth Studies. *American Journal of Obstetrics and Gynecology*. 2017; 217(1):96-101. PMID: [28389223](#).
11. Hinkle SN, Rawal S, Zhu Y, Grewal J, Albert PS, Zhang C. Validation of Self-Reported Diagnosis of Gestational Diabetes at 6-Weeks Postpartum. *Epidemiology*. 2017; 28(5):747-752. PMID: [28570385](#). PMCID: [PMC5538910](#).
12. Pugh SJ, Albert PS, Kim S, Grobman W, Hinkle SN, Newman RB, Wing DA, Grantz KL. Patterns of gestational weight gain and birthweight outcomes in the Eunice Kennedy Shriver National Institute of Child Health and Human Development Fetal Growth Study-Singletons: a prospective study. *American Journal of Obstetrics and Gynecology*. 2017; 217(3):346.e1-346.e11. PMID: [28502760](#). PMCID: [PMC5581247](#).
13. Skupski DW, Owen J, Kim S, Fuchs KM, Albert PS, Grantz KL; Eunice Kennedy Shriver National Institute of Child Health and Human Development Fetal Growth Studies. Estimating Gestational Age from Ultrasound Fetal Biometrics. *Obstetrics and Gynecology*. 2017; 130(2):433-441. PMID: [28697101](#). PMCID: [PMC5712287](#).
14. Hinkle SN, Hediger ML, Kim S, Albert PS, Grobman W, Newman RB, Wing DA, Grewal J, Zhang C, Buck Louis GM, Grantz KL. Maternal weight gain and associations with longitudinal fetal growth in dichorionic twin pregnancies: a prospective cohort study. *The American Journal of Clinical Nutrition*. 2017; 106(6):1449-1455. PMID: [28978539](#). PMCID: [PMC5698840](#).
15. Pugh SJ, Hinkle SN, Kim S, Albert PS, Newman R, Grobman WA, Wing DA, Grantz KL. Combined Influence of Gestational Weight Gain and Estimated Fetal Weight on Risk Assessment for Small- or Large-for-Gestational-Age Birth Weight: A Prospective Cohort Study. *Journal of Ultrasound in Medicine*. 2018; 37(4):935-940. PMID: [28960393](#).
16. Grantz KL, Hediger ML, Liu D, Buck Louis GM. Fetal growth standards: The NICHD Fetal Growth Study Approach in Context with INTERGROWTH-21st and the World Health Organization Multicentre Growth Reference Study. *American Journal of Obstetrics and Gynecology*. 2018; 218(2S):S641-S655.e28. PMID: [29275821](#). PMCID: [PMC5807181](#).
17. Bao W, Dar S, Zhu Y, Wu J, Rawal S, Li S, Weir NL, Tsai MY, Zhang C. Plasma concentrations of lipids during pregnancy and the risk of gestational diabetes mellitus: a longitudinal study. *Journal of Diabetes*. 2018; 10(6):487-495. PMID: [28436169](#). PMCID: [PMC5837900](#).
18. Zhang C, Hediger ML, Albert PS, Grewal J, Sciscione A, Grobman WA, Wing DA, Newman RB, Wapner R, D'Alton ME, Skupski D, Nageotte MP, Ranzini AC, Owen J, Chien EK, Craigo S, Kim S, Grantz KL, Louis GMB. Association of maternal obesity with longitudinal ultrasonographic measures of fetal growth: findings from the NICHD Fetal Growth Studies-Singletons. *Journal of the American Medical Association Pediatrics*. 2018; 172(1):24-31. PMID: [29131898](#). PMCID: [PMC5808867](#).

19. Grewal J, Grantz KL, Zhang C, Sciscione A, Wing DA, Grobman WA, Newman RB, Wapner R, D'Alton ME, Skupski D, Nageotte MP, Ranzini AC, Owen J, Chien EK, Craigo S, Albert PS, Kim S, Hediger ML, Buck Louis GM. Cohort Profile: NICHD Fetal Growth Studies–Singletons and Twins. *International Journal of Epidemiology*. 2018; 47(1):25-25I. PMID: [29025016](#). PMCID: [PMC5837516](#).
20. Smarr MM, Louis GMB, Albert PS, Kim S, Fuchs KM, Grewal J, D'Alton ME, Grantz KL. Characterization of Thermal and Mechanical Indices from Serial Ultrasound Exams and Associations with Neonatal Anthropometry: The NICHD Fetal Growth Studies. *American Journal of Perinatology*. 2018; 35(7):632-642. PMID: [29190846](#).
21. Pugh SJ, Ortega-Villa AM, Grobman W, Newman RB, Owen J, Wing DA, Albert PS, Grantz KL. Estimating gestational age at birth from fundal height and additional anthropometrics: a prospective cohort study. *British Journal of Obstetrics and Gynaecology*. 2018. PMID: [29473290](#).
22. Workalemahu T, Grantz KL, Grewal J, Zhang C, Louis GMB, Tekola-Ayele F. Genetic and environmental influences on fetal growth vary during sensitive periods in pregnancy. *Scientific Reports*. 2018; 8(1):7274. PMID: [29740100](#). PMCID: [PMC5940684](#).
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