



MotherToBaby

Medications & More During Pregnancy & Breastfeeding  
Ask The Experts

Fact Sheet

by the **Organization of Teratology Information Specialists (OTIS)**

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## Exercise

### Selected References:

- ACOG Committee Opinion No. 650. 2015. Physical Activity and Exercise During Pregnancy and the Postpartum Period. *Obstet Gynecol*. Dec;126(6):e135-42.doi: 10.1097/AOG.0000000000001214.
- Artal R. 2016. Exercise in Pregnancy: Guidelines. *Clinical Obstetrics and Gynecology* 59(3):639-644.
- Chan J, et al. 2014. Hot yoga in pregnancy. *Canadian Family Physician* 60(1):41-42.
- Clapp III J, et al. 1999. Neonatal behavioral profile of the offspring of women who continued to exercise regularly throughout pregnancy. *American Journal of Obstetrics and Gynecology* 180(1):91-94.
- Clapp III J, et al. 2002. Continuing regular exercise during pregnancy: Effect of exercise volume on fetoplacental growth. *Am J Obstet Gynecol* 186(1):142-147.
- Fly AD, et al. 1998. Major mineral concentrations in human milk do not change after maximal exercise testing. *Am J Clin Nutr*; 68:345-9.
- Kennelly M, et al. 2002. Exercise-related changes in umbilical and uterine artery waveforms as assessed by Doppler ultrasound scans. *American Journal of Obstetrics and Gynecology* 187(1):661-666.
- Kennelly M, et al. 2002. Fetal heart rate response to strenuous maternal exercise: not a predictor of fetal distress. *Am J Obstet Gynecol* 187(3):811-816.
- Lederman S, et al. 1999. Maternal body fat and water during pregnancy: Do they raise infant birth weight? *Am J Obstet Gynecol* 180(1):235-240.
- Gavard J and Artal R. 2008. Effect of Exercise on Pregnancy Outcome. *Clin Obstet Gynecol* 51(2):467-480.
- Greydanus DE and Patel DR. 2002. The female athlete: before and beyond puberty. *Pediatr Clin North Am* 49(3):553-580.
- Madsen M, et al. 2007. Leisure time physical exercise during pregnancy and the risk of miscarriage: a study within the Danish National Birth Cohort. *BJOG* 114(11):1419-1426.
- Minguez-Alarcon L, et al. 2014. Physical activity is not related to semen quality in young healthy men. *Fertil Steril* 102: 1103-1109.
- Sobal J and Marquart LF. 1994. Vitamin/mineral supplement use among athletes: a review of literature. *Int J Sport Nutr* 4(4):320-334.
- Stafne SN, Salvesen et al. 2012. Regular exercise during pregnancy to prevent gestational diabetes: a randomized controlled trial. *Obstet Gynecol*. 119(1):29-36.
- Tomic V, et al. 2013. The effect of maternal exercise during pregnancy on abnormal fetal growth. *Croat Med J*. 54(4):362-8.
- Zourtadani A, et al. 2015. The effect of physical exercise on postpartum fitness hormone and lipid levels: a randomized controlled trial in primiparous, lactating women. *Arch Gynecol Obstet* 291(3): 525-530.

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