

Petra Platen

LEISTUNGSFÄHIGKEIT UND TRAINIERBARKEIT IN ABHÄNGIG- KEIT VON DER ZYKLUSPHASE

Literatur

Crewther, B. T. & Cook, C. J. (2018). A longitudinal analysis of salivary testosterone concentrations and competitiveness in elite and non-elite women athletes. *Physiol. Behav.*, 188, 157-161. doi: 10.1016/j.physbeh.2018.02.012.

Elliott-Sale, K. J., McNulty, K. L., Ansdell, P., Goodall, S., Hicks, K. M., Thomas, K., Swinton, P. A. & Dolan, E. (2020). The effects of oral contraceptives on exercise performance in women: A systematic review and meta-analysis. *Sports Med.*, 50 (10), 1785-1812. doi: 10.1007/s40279-020-01317-5.

Janse de Jonge, X. A. (2003). Effects of the menstrual cycle on exercise performance. *Sports Med.*, 33 (11), 833-51. doi: 10.2165/00007256-200333110-00004.

Julian, R., Hecksteden, A., Fullagar, H. H. & Meyer, T. (2017). The effects of menstrual cycle phase on physical performance in female soccer players. *PLoS One*, 12 (3), e0173951. doi: 10.1371/journal.pone.0173951.

Julian, R., Skorski, S., Hecksteden, A., Pfeifer, C., Bradley, P. S., Schulze, E. & Meyer, T. (2020). Menstrual cycle phase and elite female soccer match-play: influence on various physical performance outputs. *Sci. Med. Footb.*, 5 (2), 97-104. doi: 10.1080/24733938.2020.1802057.

Lebrun, C. M., Joyce, S. M. & Constantini, N. W. (2020). Effects of female reproductive hormones on sports performance. In: A. C. Hackney & N. W. Constantini (Eds.), *Endocrinology of Physical Activity and Sport, Contemporary Endocrinology* (pp. 267-301). Ort: Springer. https://doi.org/10.1007/978-3-030-33376-8_16

McNulty, K. L., Elliott-Sale, K. J., Dolan, E., Swinton, P. A., Ansdell, P., Goodall, S., Thomas, K. & Hicks, K. M. (2020). The effects of menstrual cycle phase on exercise performance in eumenorrheic women: A systematic review and meta-analysis. *Sports Med.*, 50 (10), 1813-1827. doi: 10.1007/s40279-020-01319-3.

Meignié, A., Duclos, M., Carling, C., Orhant, E., Provost, P., Toussaint, J. F. & Antero J. (2021). The effects of menstrual cycle phase on elite athlete performance: A critical and systematic review. *Front. Physiol.*, 12, 654585. doi: 10.3389/fphys.2021.654585.

Pitchers, G. & Elliott-Sale, K. (2019). Considerations for coaches training female athletes. *Professional Strength & Conditioning*, 55, 19-30.

Reis, E., Frick, U. & Schmidtbleicher, D. (1995). Frequency variations of strength training sessions triggered by the phases of the menstrual cycle. *Int. J. Sports Med.*, 16 (8), 545-550. doi: 10.1055/s-2007-973052.

Ruzić, L., Matković, B. R. & Leko, G. (2003). Androgens in hormonal contraception limit muscle strength gain in strength training: comparison study. *Croat. Med. J.*, 44 (1), 65-68. PMID: 12590431.

Sakamaki-Sunaga, M., Min, S., Kamemoto, K., & Okamoto, T. (2016). Effects of menstrual phase-dependent resistance training frequency on muscular hypertrophy and strength. *J. Strength Cond. Res.*, 30 (6), 1727-1734. doi: 10.1519/JSC.0000000000001250.

Statham, G. (2020). Understanding the effects of the menstrual cycle on training and performance in elite athletes: A preliminary study. *Prog. Brain Res.*, 253, 25-58. doi: 10.1016/bs.pbr.2020.05.028.

Sung, E., Han, A., Hinrichs, T., Vorgerd, M., Manchado, C. & Platen, P. (2014). Effects of follicular versus luteal phase-based strength training in young women. *Springerplus*, 3, 668. doi: 10.1186/2193-1801-3-668.

Sung, E., Han, A., Hinrichs, T., Vorgerd, M. & Platen P. (2022). Effects of oral contraceptive use on muscle strength, muscle thickness, and fiber size and composition in young women undergoing 12 weeks of strength training: a cohort study. *BMC Womens Health*, 22 (1), 150. doi: 10.1186/s12905-022-01740-y.

Sung, E., Han, A., Hinrichs, T., Vorgerd, M. & Platen, P. Effects of follicular versus luteal phase-based endurance training in young women (in Vorbereitung).

Thompson, B., Almarjawi, A., Sculley, D. & Janse de Jonge, X. (2020). The effect of the menstrual cycle and oral contraceptives on acute responses and chronic adaptations to resistance training: A systematic review of the literature. *Sports Med.*, 50 (1), 171-185. doi: 10.1007/s40279-019-01219-1

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