

Forschungsbereich II: Physiologie und mechanische Funktion der Faszie

Publikationen

- Wilke J, Hespanhol Junior L, Behrens M (2019). Is it all about the fascia? A systematic review and meta-analysis of the prevalence of extramuscular connective tissue lesions in muscle strain injury. *Orthop J Sports Med*, doi: 10.1177/2325967119888500
- Wilke J, Müller AL, Giesche F, Power G, Ahmadi H, Behm DG (2019). Acute effects of foam rolling on range of motion in healthy adults: a systematic review with multilevel meta-analysis. *Sports Med*, doi: 10.1007/s40279-019-01205-7
- Krause F, Wilke J, Niederer D, Vogt L, Banzer W (2019). Acute effects of foam rolling on passive stiffness, stretch sensation and fascial sliding: a randomized controlled trial. *Human Mov Sci* 67:102514.
- Behm DG, Wilke J (2019). Do self-myofascial release devices release myofascial? Rolling mechanisms: a review. *Sports Med*, doi: 10.1007/s40279-019-01149-y
- Wilke J, Krause F (2019). Myofascial chains of the upper limb: a systematic review of anatomical studies. *Clin Anat*, doi: 10.1002/ca.23424
- Wilke J, Vleeming A, Wearing S (2019). Overuse injury: the result of pathologically altered myofascial force transmission? *Exerc Sport Sci Rev*, 47:230-236.
- Schleip R, Gabbiani G, Wilke J, Naylor I, Hinz B, Zorn A, Jäger H, Schreiner S. Fascia is able to contract and thereby influence musculoskeletal dynamics: a histochemical and mechanographic investigation. *Front Physiol*, doi: 10.3389/fphys.2019.00336
- Wilke J, Macchi V, De Caro R, Stecco C (2018). Fascia thickness, aging and flexibility: is there an association? *J Anat* 234: 43-49.
- Wilke J, Kalo K, Niederer D, Vogt L, Banzer W (2018). Gathering hints for myofascial force transmission under in-vivo conditions: Are remote exercise effects age-dependent? *J Sport Rehabil* 28:758-763.
- Zügel M, Maganaris C, Wilke J et al. (2018). Fascial tissue research in sports medicine: from molecules to tissue adaptation, injury and diagnostics. *Br J Sports Med* 52, doi: 10.1136/bjsports-2018-099308

- Wilke J, Niemeyer P, Niederer D, Vogt L, Banzer W (2018). Influence of foam rolling velocity on knee range of motion and tissue stiffness: a randomized, controlled crossover trial. *J Sport Rehabil* 7: 711-715.
- Wilke J, Vogt L, Banzer W (2018). Immediate effects of self-myofascial release on latent trigger point sensitivity: a randomized, placebo-controlled trial. *Biol Sport* 35: 349-354.
- Wilke J, Vogt L, Pfarr T, Banzer W (2018). Reliability and validity of a semi-electronic tissue compliance meter to assess muscle stiffness. *J Back Musculoskel Rehabil*, 31:991-997.
- Fleckenstein J, Wilke J, Vogt L, Banzer W (2017). Preventive and regenerative foam rolling are equally effective in reducing fatigue-related impairments of muscle function following exercise. *J Sci Med Sport* 16, 474-479.
- Wilke J, Schleip R, Yucesoy CA, Banzer W (2017). Not merely a protective packing organ? A focused review of fascia and its force transmission capacity. *J Appl Physiol* 124:234-244.
- Wilke J, Schleip R, Klingler W, Stecco C (2017). The lumbodorsal fascia as a potential source of low back pain. A narrative review. *Biomed Res Int*, <https://doi.org/10.1155/2017/5349620>
- Krause F, Wilke J, Niederer D, Vogt L, Banzer W (2017). Acute effects of foam rolling on passive tissue stiffness and fascial sliding: study protocol for a randomized controlled trial. *Trials* 18 (1):114. doi: 10.1186/s13063-017-1866-y.
- Wilke J, Vogt L, Niederer D, Banzer W (2017). Is remote lower limb stretching based on myofascial chains as effective as local exercise? A randomized, controlled trial. *J Sport Sci* 35(20): 2021-2027.
- Wilke J, Niederer, Vogt L, Banzer W (2016). Remote effects of lower limb stretching: preliminary evidence for myofascial connectivity? *J Sport Sci* 34(22):2145-2148.
- Krause F, Wilke J, Vogt L, Banzer W (2016) Intermuscular force transmission along myofascial chains: A systematic review. *J Anat* 228(6):910-918.
- Wilke J, Krause F, Vogt L, Banzer W (2016). What is evidence-based about myofascial chains? A systematic review. *Arch Phys Med Rehabil* 97(3):454-61.
- Wilke J, Niederer D, Fleckenstein J, Vogt L, Banzer W (2016). Range of motion and cervical myofascial pain. *J Bodyw Mov Ther* 20(1):52-55.
- Wilke J, Engeroff T, Nürnberger F, Vogt L, Banzer W (2016). Anatomical study of the morphological continuity between the iliotibial tract and the fibularis longus fascia. *Surg Radiol Anat* 38(3):349-352.
- Wilke J, Vogt L, Niederer D, Hübscher M, Rothmayr J, Ivkovic D, Rickert M, Banzer W (2014). Short-term effects of acupuncture and stretching on myofascial trigger point pain of the neck. A double-blind, placebo-controlled RCT. *Compl Ther Med* 22(5):835-841.

Wilke J, Banzer W (2014). Nicht-invasive Untersuchung faszialer Gewebe. Ein narratives Review. *Phys Med Rehab Kuror*, 24:1-9.