

Auszug aus den Veröffentlichungen von Univ.-Prof. Dr. med. Meurer:

- Jenei-Lanzl, Z., Meurer, A., & Zaucke, F. (2019). Interleukin-1 β signaling in osteoarthritis - chondrocytes in focus. *Cell Signalling*, 53, 212-223.
- Stief, F., Schmidt, A., van Drongelen, S., Lenarz, K., Froemel, D., Tarhan, T., Lutz, F., & Meurer, A. (2018). Abnormal Loading of the Hip and Knee Joints in Unilateral Hip Osteoarthritis Persists Two Years After Total Hip Replacement. *Journal of Orthopaedic Research*, doi: 10.1002/jor.23886
- Kostuj, T., Stief, F., Hartmann, K., Schaper, K., Arabmotlagh, M., Baums, M., Meurer, A., Krummenauer, F., & Lieske, S. (2018). Using the Oxford Foot Model to determine the association between objective measures of foot function and results of the AOFAS Ankle-Hindfoot Scale and the Foot Function Index - a prospective gait analysis study in Germany. *BMJ Open*, 8(4), e019872.
- Stief, F., Meurer, A., Wienand, J., Rauschmann, M., & Rickert, M. (2018). Effect of lumbar spinal fusion surgery on the association of self-report measures with objective measures of physical function. *Gait & Posture*, 61, 7-12.
- Gigout, A., Guehring, H., Froemel, D., Meurer, A., Ladel, C., Reker, D., Bay-Jensen, A.C., Karsdal, M.A., & Lindemann, S. (2017). Sprifermin (rhFGF18) enables proliferation of chondrocytes producing a hyaline cartilage matrix. *Osteoarthritis Cartilage*, 25, 1858-1867.
- Schmidt, A., Meurer, A., Lenarz, K., Vogt, L., Froemel, D., Lutz, F., Barker, J., & Stief, F. (2017). Unilateral Hip Osteoarthritis: The Effect of Compensating Strategies and Anatomic Measurements on Frontal Plane Joint Loading. *Journal of Orthopaedic Research*, 35, 1764-1773.
- Lutz, F., Mastel, R., Runge, M., Stief, F., Schmidt, A., Meurer, A., & Witte, H. (2016). Calculation of muscle forces during normal gait under consideration of femoral bending moments. *Medical Engineering & Physics*, 38, 1008-1115.
- Stief, F., Schäfer, A., Vogt, L., Kirchner, M., Hübscher, M., Thiel, C., Banzer, W., & Meurer, A. (2016). Differences in gait performance, quadriceps strength, and fear of falling between fallers and non-fallers in women with osteoporosis. *Journal of Aging and Physical Activity*, 24, 430-434.
- Stief, F., Schmidt, A., Adolf, S., Kremer, L., Brkic, M., & Meurer, A. (2016). Development of gait performance and dynamic hip and knee joint loading after containment improving surgery in patients with Legg-Calvé-Perthes Disease. *Gait & Posture*, 47, 51-56.
- Schmidt, A., Stief, F., Lenarz, K., Froemel, D., Lutz, F., Barker, J., & Meurer, A. (2016). Unilateral hip osteoarthritis: its effects on preoperative lower limb muscle activation and intramuscular coordination patterns. *Gait & Posture*, 45, 187-192.

- Maurer, C., Stief, F., Jonas, A., Kovac, A., Groneberg D.A., Meurer, A., & Ohlendorf, D. (2015). Influence of the lower jaw position on the running pattern. *PLoS One*, 10(8), e0135712.
- Stief, F., Meurer, A., Wienand, J., Rauschmann, M., & Rickert, M. (2015). Has a Mono- or Bisegmental Lumbar Spinal Fusion Surgery an Influence on Self-assessed Quality of Life, Trunk Range of Motion, and Gait Performance? *Spine*, 40, E618-626.
- Kostuj, T., Krummenauer, F., Schaper, K., Stief, F., Zettersten, K., Baums, M. H., Meurer, A., & Lieske, S. (2014). Analysis of agreement between the German translation of the American Foot and Ankle Society's Ankle and Hindfoot Scale (AOFAS-AHS) and the Foot Function Index in its validated German translation by Naal et al. (FFI-D). *Archives of Orthopaedic and Trauma Surgery*, 134, 1205-1210.
- Kostuj, T., Stief, F., Zettersten, K., Meurer, A., & Lieske, S. (2014). Zwei Fallbeispiele für den Einsatz der instrumentellen Ganganalyse zur Beurteilung einer Rückfußpathologie – Ein Auszug aus einer Studie zur Bewertung von Fußscores. *Fuß & Sprunggelenk*, 12, 107-112.
- Stief, F., Böhm, H., Ebert, C., Döderlein, L., & Meurer, A. (2014). Effect of compensatory trunk movements on knee and hip joint loading during gait in children with different orthopedic pathologies. *Gait & Posture*, 39, 859-864.