

Publications 2020 – Institute of Biomechanics and Orthopaedics

Section: Clinical and Technological Biomechanics

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- Dupré, T., & Potthast, W. (2020). Groin injury risk of pubertal soccer players increases during peak height velocity due to changes in movement techniques. *Journal of Sports Sciences*, 38(23), 2661–2669. <https://doi.org/10.1080/02640414.2020.1794769>
- Fantini Pagani, C., Funken, J., Heinrich, K., Ellermann, A., Schmidt-Wiethoff, R., & Potthast, W. (2020). Predicting the knee adduction moment after high tibial osteotomy in patients with medial knee osteoarthritis using dynamic simulations. *The Knee*, 27(1), 61–70.  
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- Focke, A., Steingrebe, H., Möhler, F., Ringhof, S., Sell, S., Potthast, W., & Stein, T. (2020). Effect of Different Knee Braces in ACL-Deficient Patients. *Frontiers in Bioengineering and Biotechnology*, 8, 964. <https://doi.org/10.3389/fbioe.2020.00964>
- Krafft, F. C., Stetter, B. J., Stein, T., Ellermann, A., Flechtenmacher, J., Eberle, C., Sell, S., & Potthast, W. (2020). Deficient knee joint biomechanics in bilateral jumping after anterior cruciate ligament reconstruction. *Clinical Biomechanics (Bristol, Avon)*, 77, 105048.  
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- Mundt, M., Koeppe, A., David, S., Bamer, F., Potthast, W., & Markert, B. (2020). Prediction of ground reaction force and joint moments based on optical motion capture data during gait. *Medical Engineering & Physics*, 86, 29–34.  
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<https://doi.org/10.3389/fbioe.2020.00041>
- Mundt, M., Thomsen, W., Witter, T., Koeppe, A., David, S., Bamer, F., Potthast, W., & Markert, B. (2020). Prediction of lower limb joint angles and moments during gait using artificial neural networks. *Medical & Biological Engineering & Computing*, 58(1), 211–225.  
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- Viellehner, J., & Potthast, W. (2020). The effect of road-bike damping on neuromuscular short-term performance. *Sports Biomechanics*, 19(6), 723–737.  
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