

Schriftenverzeichnis Prof. Dr. med. Patrick Weber

P. Weber, J. Vastmans, C. Gärtner, T. van Boemmel, GO. Hofmann: Bronchusruptur kombiniert mit Brustwirbelsäulenluxationsfraktur, eine Kasuistik. Der Unfallchirurg, (2004) Nov;107 (11):1093-8.

P. Weber, P. Diehl, GO. Hofmann, T Miethke, M Schmitt-Sody, W Mittelmeier, R Gradinger, H Gollwitzer: Extrakorporale Hydrostatische Hochdruckbehandlung als neues Verfahren zur Desinfektion infizierter Knochenpräparate. Biomed Tech (Berl). 2008;53(4):190-8.

Weber P, Vogel T, Bitterling H, Utzschneider S, von Schulze Pellengahr C, Birkenmaier C. Spinal cord infarction after operative stabilisation of the thoracic spine in a patient with tuberculous spondylodiscitis and sickle cell trait. Spine (Phila Pa 1976). 2009 Apr 15;34(8):E294-7.

Mazoochian F*, Weber P*, Schramm S, Utzschneider S, Fottner A, Jansson V. Minimally invasive total hip arthroplasty: a randomized controlled prospective trial. Arch Orthop Trauma Surg. 2009 Dec;129(12):1633-9. Epub 2009 May 8.

*both authors contributed equally to this work

Weber P, Utzschneider S, Sadoghi P, Andress HJ, Jansson V, Müller PE. Management of the infected shoulder prosthesis: a retrospective analysis and review of the literature. Int Orthop. 2011 Mar;35(3):365-73. Epub 2010 Apr 20

Weber P, Utzschneider S, Sadoghi P, Pietschmann MF, Ficklscherer A, Jansson V, Müller PE. Navigation in minimally invasive unicompartmental knee arthroplasty has no advantage in comparison to a conventional minimally invasive implantation. Arch Orthop Trauma Surg. 2012 Feb;132(2):281-8. Epub 2011 Oct 8.

Weber P, Schröder C, Utzschneider S, Schmidutz F, Jansson V, Müller P.E. Reduziert ein erhöhter tibialer Slope den Abrieb bei unikondylären Schlittenprothesen? Eine in- vitro Studie. Orthopade. 2012 Apr;41(4):298-302

Weber P, Eberle J, Bogner JR, Schrimpf F, Jansson V, Huber-Wagner S. Is there a benefit of a routine preoperative screening of infectivity for HIV, hepatitis B and C virus before elective orthopaedic operations? Infection, 2012 Dec 7. [Epub ahead of print]

Weber P, Crispin A, Schmidutz F, Utzschneider S, Pietschmann MF, Jansson V, Müller PE. Improved accuracy in computer assisted unicompartmental knee arthroplasty- a meta-analysis. Knee Surg Sports Traumatol Arthrosc. 2013 Nov;21(11):2453-61

Weber P, Schröder C, Laubender RP, Baur-Melnyk A, von Schulze Pellengahr C, Jansson V, Müller PE. Joint line reconstruction in medial unicompartmental knee arthroplasty: development and validation of a measurement method. Knee Surg

Sports Traumatol Arthrosc. 2013 Nov;21(11):2468-73

Weber P, Schröder C, Schmidutz F, Kraxenberger M, Utzschneider S, Jansson V, Müller PE. Increase of tibial slope reduces backside wear in medial mobile bearing unicompartmental knee arthroplasty. Clin Biomech (Bristol, Avon). 2013 Oct;28(8):904-9.

J.- Y. Jenny, P. E. Müller, R. Weyer, M. John, P. Weber, E. Ciobanu, A. Schmitz, T. Bacher, W. Neumann, V. Jansson: Navigated Minimally invasive unicompartmental Knee Arthroplasty, Orthopedics (2006), Oct; Volume 29, Number 10/Supplement: S117-S121

SM Hauptmann, P Weber, C Glaser, C Birkenmaier, V Jansson, PE Müller: Free Bone Cement Fragments After Minimally Invasive Unicompartmental Knee Arthroplasty – An Underappreciated Problem. Knee Surg Sports Traumatol Arthrosc. 2008 Aug;16(8):770-5. Epub 2008 May 31

Gollwitzer H, Mittelmeier W, Brendle M, Weber P, Miethke T, Hofmann GO, Gerdesmeyer L, Schauwecker J, Diehl P. High hydrostatic pressure for disinfection of bone grafts and biomaterials: an experimental study. Open Orthop J. 2009 Jan 29;3:1-7.

Utzschneider S, Weber P, Fottner A, Wegener B, Jansson V, Dürr HR. Prognoseadaptierte operative Behandlung Knochenmetastasen. Orthopade. 2009 Apr;38(4):308, 310-12, 314-5.

Utzschneider S, Wicherek E, Weber P, Schmidt G, Jansson V, Dürr HR. Surgical treatment of bone metastases in patients with lung cancer. Int Orthop. 2011 May;35(5):731-6. Epub 2010 Jun 18.

Utzschneider S, Harrasser N, Sadoghi P, Weber P, Schröder C, Pietschmann MF, Jansson V. Crosslinked polyethylene in knee arthroplasty: a simulator study evaluating the positive influence on the tribocontact area in the fixed-bearing knee. Arch Orthop Trauma Surg. 2010 Nov;130(11):1419-24. Epub 2010 Aug 6.

Utzschneider S, Schmidt H, Weber P, Schmidt GP, Jansson V, Dürr HR. Surgical therapy of skeletal complications in multiple myeloma. Int Orthop. 2011 Aug;35(8):1209-13. Epub 2010 Sep 23.

Sadoghi P, Leithner A, Weber P, Friesenbichler J, Gruber G, Kastner N, Pohlmann K, Jansson V, Wegener B. Radiolucent lines in low-contact-stress mobile-bearing total knee arthroplasty: a blinded and matched case control study. BMC Musculoskelet Disord. 2011 Jun 29;12:142.

Utzschneider S, Goettinger M, Weber P, Horng A, Glaser C, Jansson V, Müller PE. Development and validation of a new method for the radiologic measurement of the tibial slope. Knee Surg Sports Traumatol Arthrosc. 2011 Oct;19(10):1643-8. Epub 2011 Feb 5.

Schmidutz F, Grote S, Pietschmann M, Weber P, Mazoochian F, Fottner A, Jansson V. Sports activity after short-stem hip arthroplasty. *Am J Sports Med.* 2012 Feb;40(2):425-32. Epub 2011 Oct 12.

Schmidutz F, Beirer M, Weber P, Mazoochian F, Fottner A, Jansson V. Biomechanical reconstruction of the hip: comparison between modular short-stem hip arthroplasty and conventional total hip arthroplasty. *Int Orthop.* 2012 Jan 20. [Epub ahead of print]

Ficklscherer A, Angermann A, Weber P, Wegener B, Pietschmann M, Müller P. Lunar phase does not influence perioperative complications in total hip arthroplasty. *Arch Med Sci.* 2012 Feb 29;8(1):111-4

Pietschmann MF, Wohlleb L, Weber P, Ficklscherer A, Schmidutz F, Müller PE. Sports activities after medial unicompartmental knee arthroplasty Oxford-III – What can we expect? *Int Orthop.* Nov 23. [Epub ahead of print]

Schröder C, Woiczinski M, Utzschneider S, Kraxenberger M, Weber P, Jansson V. Die Biomechanik von Schrauben, Cerclagen und Kabeln. *Orthopade.* 2013 May;42(5):302-4, 306-8.

Pietschmann MF, Weber P, Steinbrück A, Wohlleb L, Jansson V, Müller PE. Experience with medial unicompartmental prostheses with a mobile plateau. *Orthopade.* 2014 Oct;43(10): 905-12. doi: 10.1007/s00132-014-3010-y

A. Steinbrück, M. Woiczinski, P. Weber, P E Müller, V. Jansson, C. Schröder. Posterior cruciate ligament balancing in total knee arthroplasty: a numerical study with a dynamic force controlled knee model. *BioMedical Engineering OnLine* 07/2014; 13(1):91. DOI:10.1186/1475-925X-13-91 .

C. Schröder, A. Steinbrück, T. Müller, M. Woiczinski, Y. Chevalier, **P. Weber**, PE Müller, V. Jansson Rapid Prototyping for In Vitro Knee Rig Investigations of Prosthetized Knee Biomechanics: Comparison with Cobalt-Chromium Alloy Implant Material. *Biomed Res Int* 2015 doi: 10.1155/2015/185142

von Schulze Pellengahr C, von Engelhardt LV, Wegener B, Müller PE, Fottner A, **Weber P**, Ackermann O, Lahner M, Teske W. Does osteoporosis reduce the primary tilting stability of cementless acetabular cups? *BMC Musculoskelet Disord.* 2015 Apr 21;16(1):95.

Weber P, Schröder C, Schwiesau J, Utzschneider S, Steinbrück A, Pietschmann MF, Jansson V, Müller PE. Increase in the tibial slope reduces wear after medial unicompartmental fixed-bearing arthroplasty of the knee. *Biomed Res Int.* 2015;2015:736826. doi: 10.1155/2015/736826. Epub 2015 Jan 15.

Woiczinski M, Steinbrück A, **Weber P**, Müller PE, Jansson V, Schröder Ch. Development and validation of a weight-bearing finite element model for total knee replacement. *Comput Methods Biomech Biomed Engin.* 2016 Aug;19(10):1033-45. doi: 10.1080/10255842.2015.1089534. Epub 2015 Oct 7.

Weber P, Paulus AC, Hallmen D, Steinbrück A, Schmidutz F, Jansson V. Bringt die Zertifizierung nach EndoCert eine messbare Verbesserung der Versorgungsqualität? Orthopade. 2017 Jan;46(1):78-84. doi: 10.1007/s00132-016-3356-4.

Weber P, Steinbrück A, Paulus AC, Woiczinski M, Schmidutz F, Fottner A, Jansson V. Gelenkteilwechsel in der Hüftarthroplastik Was dürfen wir kombinieren? Orthopade. 2017 Feb;46(2):142-147. doi: 10.1007/s00132-016-3380-4.

Weber P, Jansson V. Überlegungen zum Nachweis des positiven Effektes durch Endocert. Orthopade. 2017 Dec;46(12):1075-1076. doi: 10.1007/s00132-017-3490-7. (Letter)

Yan SG, Woiczinski M, Schmidutz TF, **Weber P**, Paulus AC, Steinbrück A, Jansson V, Schmidutz F. Can the metaphyseal anchored Metha short stem safely be revised with a standard CLS stem? A biomechanical analysis. Int Orthop. 2017 Dec;41(12):2471-2477. doi: 10.1007/s00264-017-3497-z.

Schiergens TS, Becker CC, **Weber P**, Sint A, Albertsmeier M, Renz BW, Burian M, Kleespies A, Reichelt A, Guba MO, Rentsch M, Werner J, Schneider CP. Over-the-scope clip (OTSC®) closure of a recto-acetabular fistula. J Surg Case Rep. 2018 Apr 24;2018(4):rjy074. doi: 10.1093/jscr/rjy074.

Weber P, Woiczinski M, Steinbrück A, Schmidutz F, Niethammer T, Schröder C, Jansson V, Müller PE. Increase in the Tibial Slope in Unicondylar Knee Replacement: Analysis of the Effect on the Kinematics and Ligaments in a Weight-Bearing Finite Element Model. Biomed Res Int. 2018 Jul 5;2018:8743604. doi: 10.1155/2018/8743604

Schmidutz F, Roesner J, Niethammer TR, PaulusAC, Heimkes B, **Weber P**. Can Salter osteotomy correct late diagnosed hip dysplasia: A retrospective evaluation of 49 hips after 6.7 years?, Orthopaedics and Traumatology: Surgery and Research (2018). Sep;104(5):637-643. <https://doi.org/10.1016/j.otsr.2018.05.004>

Weber P, Schmidutz F, Ficklscherer A, Steinbrück A, Jansson V, Dürr HR. Does total joint arthroplasty impair erectile function? Arch Med Sci. 2018 Aug;14(5):1087-1092. doi: 0.5114/aoms.2016.61939.1

Yan SG, **Weber P**, Steinbrück A, Hua X, Jansson V, Schmidutz F. Periprosthetic bone remodelling of short-stem total hip arthroplasty: a systematic review. Int Orthop. 2018 Sep;42(9):2077-2086

Heimkes B, Schmidutz F, Rösner J, Frimberger V, **Weber P**. Modifizierte Salter Innominate Beckenosteotomie im Erwachsenenalter. Oper Orthop Traumatol. Dec;30(6):457-468. doi: 10.1007/s00064-018-0560-x.

Woiczinski M, Kistler M, Schröder C, Braun C, **Weber P**, Müller PE, Jansson V, Steinbrück A. TKA design-integrated trochlea groove rotation reduces patellofemoral pressure. *Knee Surg Sports Traumatol Arthrosc.* May;27(5):1680-1692. Epub: 2018 Dec 18. doi: 10.1007/s00167-018-5324-5.

AC. Paulus , K Ebinger, X Cheng , S Haßelt , **P Weber**, JP Kretzer ,R Bader,S Utzschneider Local biological reactions and pseudotumor-like tissue formation in relation to metal wear in a murine in vivo model. *Biomed Res. International* Volume 2019, Article ID 3649838

Woiczinski M, Schröder C, Paulus A, Kistler M, Jansson V, Müller PE, **Weber P**. Varus or valgus positioning of the tibial component of a unicompartmental fixed-bearing knee arthroplasty does not increase wear. *Knee Surg Sports Traumatol Surg.* Accepted Oct 14 2019

Schierjott RA, Hettich G, Graichen H, Jansson V, Rudert M, Traina F, **Weber P**, Grupp TM. Quantitative assessment of acetabular bone defects: A study of 50 computed tomography data sets. *PLoS One.* 2019 Oct 17;14(10):e0222511

C Thorwächter, M Woiczinski, I Santos, F Schmidutz, A Paulus, V Jansson, **P Weber**. Optimization of the drill-in behaviour of the EcoFit® SC Threaded cup. *Biomedical Engineering* 2019. Dec 13. pii: /j/bmte.ahead-of-print/bmt-2019-0016/bmt-2019-0016.xml. doi: 10.1515/bmt-2019-0016. [Epub ahead of print]

Fottner A, Woiczinski M, Schröder C, Schmidutz F, **Weber P**, Müller PE, Jansson V, Steinbrück A Impact of tibial baseplate malposition on kinematics, contact forces and ligament tensions in TKA: A numerical analysis. *J Mech Behav Biomed Mater.* 2020 Mar;103:103564. doi: 10.1016/j.jmbbm.2019.103564. Epub 2019 Dec 7.

Weber P Gollwitzer H. Arthroplasty of the Knee: Current Techniques for Implant Alignment. *Z Orthop Unfall.* 2021 Mar 1. doi: 10.1055/a-1304-3854.

Weber P, Gollwitzer H: Kinematisches Alignment zur Implantation einer Knie totalendoprothese. *Operative Orthopädie und Traumatologie.* Accepted 29.8.2020

Bauer L.; Woiczinski M.; Thorwächter C.; Melsheimer O.; **Weber P.**; Grupp TM.; Jansson V.; Steinbrück, A. Secondary Patellar Resurfacing in TKA: A Combined Analysis of Registry Data and Biomechanical Testing. *J. Clin. Med.* 2021, 10, 1227. [https://doi.org/ 10.3390/jcm10061227](https://doi.org/10.3390/jcm10061227)

Harrasser N, Gollwitzer H, Weber P. Stress fractures of the lower limbs]. *Orthopäde.* 2021 Sep;50(9):763-774. doi: 10.1007/s00132-021-04139-z. Epub 2021 Aug 20.

Weber P, Harrasser N, Twardy V, Gollwitzer H, Banke IJ. Avulsion injuries of the gluteus medius and gluteus minimus muscles]. *Unfallchirurg.* 2021 Jul;124(7):526-535. doi: 10.1007/s00113-021-01034-2. Epub 2021 Jun 25

Weber P, Gollwitzer H. [Treatment options for femoroacetabular impingement syndrome and osteoarthritis]. *Orthopadie (Heidelb)*. 2022 Jun;51(6):472-482. doi: 10.1007/s00132-022-04254-5.

Weber P, Beck M, Klug M, Klug A, Klug A, Glowalla C, Gollwitzer H. Survival of Patient-Specific Unicondylar Knee Replacement. *J Pers Med*. 2023 Apr 14;13(4):665. doi: 10.3390/jpm13040665.