



## PD Dr. med. Henrik Behrend

### Kontakt

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### Bereiche

Orthopädische Chirurgie und Traumatologie des Bewegungsapparates

### Position

Leiter Kniechirurgie

### Funktion

Leitende(r) Arzt/Ärztin

## Publikationen (56)

Hess S, Moser L, Robertson E, Behrend H, Amsler F, Iordache E, Leclercq V, Hirschmann M. Osteoarthritic and non-osteoarthritic patients show comparable coronal knee joint line orientations in a cross-sectional study based on 3D reconstructed CT images. *Knee Surg Sports Traumatol Arthrosc* 2021

Calek A, Ladurner A, Jud L, Zdravkovic V, Behrend H. Tibial joint line orientation has no effect on joint awareness after mechanically aligned total knee arthroplasty. *Knee Surg Sports Traumatol Arthrosc* 2021

Calek A, Hochreiter B, Hess S, Amsler F, Leclercq V, Hirschmann M, Behrend H. High inter- and intraindividual differences in medial and lateral posterior tibial slope are not reproduced accurately by conventional TKA alignment techniques. *Knee Surg Sports Traumatol Arthrosc* 2021

Calek A, Behrend H. [When should we perform a knee or hip arthroplasty?]. *Ther Umsch* 2020; 77:469-474.

Hochreiter B, Moser L, Hess S, Hirschmann M, Amsler F, Behrend H. Osteoarthritic knees have a highly variable patellofemoral alignment: a systematic review. *Knee Surg Sports Traumatol Arthrosc* 2020

Behrend H, Hochreiter B, Potocnik P, El Baz Y, Zdravkovic V, Tomazi T. No difference in radiolucent lines after TKA: a matched-pair analysis of the classic implant and its evolutionary design. *Knee Surg Sports Traumatol Arthrosc* 2020; 28:3962-3968.

Ladurner A, Giesinger K, Zdravkovic V, Behrend H. The Forgotten Joint Score-12 as a valuable patient-reported outcome measure for patients after first-time patellar dislocation. *Knee* 2020; 27:406-413.

Hochreiter B, Hess S, Moser L, Hirschmann M, Amsler F, Behrend H. Correction to: Healthy knees have a highly variable patellofemoral alignment: a systematic review. *Knee Surg Sports Traumatol Arthrosc* 2019

Hochreiter B, Hess S, Moser L, Hirschmann M, Amsler F, Behrend H. Healthy knees have a highly variable patellofemoral alignment: a systematic review. *Knee Surg Sports Traumatol Arthrosc* 2019; 28:398-406.

Hess S, Moser L, Amsler F, Behrend H, Hirschmann M. Highly variable coronal tibial and femoral alignment in osteoarthritic knees: a systematic review. *Knee Surg Sports Traumatol Arthrosc* 2019; 27:1368-1377.

Hirschmann M, Moser L, Amsler F, Behrend H, Leclercq V, Hess S. Phenotyping the knee in young non-osteoarthritic knees shows a wide distribution of femoral and tibial coronal alignment. *Knee Surg Sports Traumatol Arthrosc* 2019; 27:1385-1393.

Hirschmann M, Moser L, Amsler F, Behrend H, Leclercq V, Hess S. Functional knee phenotypes: a novel classification for phenotyping the coronal lower limb alignment based on the native alignment in young non-osteoarthritic patients. *Knee Surg Sports Traumatol Arthrosc* 2019; 27:1394-1402.

Hirschmann M, Hess S, Behrend H, Amsler F, Leclercq V, Moser L. Phenotyping of hip-knee-ankle angle in young non-osteoarthritic knees provides better understanding of native alignment variability. *Knee Surg Sports Traumatol Arthrosc* 2019; 27:1378-1384.

Moser L, Hess S, Amsler F, Behrend H, Hirschmann M. Native non-osteoarthritic knees have a highly variable coronal alignment: a systematic review. *Knee Surg Sports Traumatol Arthrosc* 2019; 27:1359-1367.

<p>Behrend H, Zdravkovic V, Bösch M, Hochreiter B. No difference in joint awareness after TKA: a matched-pair analysis of a classic implant and its evolutionary design. <i>Knee Surg Sports Traumatol Arthrosc</i> 2019; 27:2124-2129.</p>
<p>Giesinger J, Behrend H, Hamilton D, Kuster M, Giesinger K. Normative Values for the Forgotten Joint Score-12 for the US General Population. <i>J Arthroplasty</i> 2018</p>
<p>Hochreiter B, Hirschmann M, Amsler F, Behrend H. Highly variable tibial tubercle-trochlear groove distance (TT-TG) in osteoarthritic knees should be considered when performing TKA. <i>Knee Surg Sports Traumatol Arthrosc</i> 2018</p>
<p>Lampart M, Behrend H, Moser L, Hirschmann M. Due to great variability fixed HKS angle for alignment of the distal cut leads to a significant error in coronal TKA orientation. <i>Knee Surg Sports Traumatol Arthrosc</i> 2018</p>
<p>Behrend H, Lengnick H, Zdravkovic V, Ladurner A, Rudin D, Erschbamer M, Jörgler M, Kuster M. Vitamin C demand is increased after total knee arthroplasty: a double-blind placebo-controlled-randomized study. <i>Knee Surg Sports Traumatol Arthrosc</i> 2018</p>
<p>Behrend H, Graulich T, Gerlach R, Spross C, Ladurner A. Blackburne-Peel ratio predicts patients' outcomes after total knee arthroplasty. <i>Knee Surg Sports Traumatol Arthrosc</i> 2018</p>
<p>Hirschmann M, Behrend H. Functional knee phenotypes: a call for a more personalised and individualised approach to total knee arthroplasty?. <i>Knee Surg Sports Traumatol Arthrosc</i> 2018</p>
<p>Behrend H, Giesinger K, Zdravkovic V, Giesinger J. Validating the forgotten joint score-12 in patients after ACL reconstruction. <i>Knee</i> 2017; 24:768-774.</p>
<p>Flury D, Behrend H, Sendi P, von Kietzell M, Strahm C. <i>Brucella melitensis</i> prosthetic joint infection. <i>J Bone Jt Infect</i> 2017; 2:136-142.</p>
<p>Egidy C, Behrend H. Insuffizienz des Streckapparates nach Knie totalprothese. 2017</p>
<p>Behrend H, Zdravkovic V, Giesinger J, Giesinger K. Joint awareness after ACL reconstruction: patient-reported outcomes measured with the Forgotten Joint Score-12. <i>Knee Surg Sports Traumatol Arthrosc</i> 2016; 25:1454-1460.</p>
<p>Fenner V, Behrend H, Kuster M. Joint Mechanics After Total Knee Arthroplasty While Descending Stairs. <i>J Arthroplasty</i> 2016</p>
<p>Behrend H, Zdravkovic V, Giesinger J, Giesinger K. Factors Predicting the Forgotten Joint Score After Total Knee Arthroplasty. <i>J Arthroplasty</i> 2016; 31:1927-32.</p>
<p>Ismailidis P, Kuster M, Jost B, Giesinger K, Behrend H. Clinical outcome of increased flexion gap after total knee arthroplasty. Can controlled gap imbalance improve knee flexion?. <i>Knee Surg Sports Traumatol Arthrosc</i> 2016</p>
<p>Trinler U, Baty F, Mündermann A, Fenner V, Behrend H, Jost B, Wegener R. Stair dimension affects knee kinematics and kinetics in patients with good outcome after TKA similarly as in healthy subjects. <i>J Orthop Res</i> 2016</p>

Langen S, Gaber S, Zdravkovic V, Giesinger K, Jost B, Behrend H. Lateral subvastus approach with tibial tubercle osteotomy for primary total knee arthroplasty: clinical outcome and complications compared to medial parapatellar approach. *Eur J Orthop Surg Traumatol* 2016

Hochreiter B, Strahm C, Behrend H. Short-interval two-stage approach to primary total knee arthroplasty for acutely septic osteoarthritic knees. *Knee Surg Sports Traumatol Arthrosc* 2016

Matsumoto M, Baba T, Homma Y, Kobayashi H, Ochi H, Yuasa T, Behrend H, Kaneko K. Validation study of the Forgotten Joint Score-12 as a universal patient-reported outcome measure. *Eur J Orthop Surg Traumatol* 2015

Giesinger J, Hamilton D, Jost B, Behrend H, Giesinger K. WOMAC, EQ-5D and Knee Society Score Thresholds for Treatment Success After Total Knee Arthroplasty. *J Arthroplasty* 2015

Giesinger K, Behrend H. Der "Forgotten Joint Score" - Ein operiertes Gelenk im Alltag vergessen: Massstab und Ziel einer erfolgreichen Behandlung - *Leading Opinions Orthopädie und Rheumatologie* 1/2014; 28-30. 2014

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Attinger M, Behrend H, Jost B. Complete rupture of the popliteal artery complicating high tibial osteotomy. *J Orthop* 2014; 11:192-6.

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Hertel P, Behrend H. BTB double bundle ACL reconstruction using a pressfit technique without fixation material. *Techniques in Orthopaedics* 2013; 2:133-140.

Giesinger J, Kuster M, Behrend H, Giesinger K. Association of psychological status and patient-reported physical outcome measures in joint arthroplasty: a lack of divergent validity. *Health Qual Life Outcomes* 2013; 11:1477-7525-11-64.

Behrend H, Giesinger K, Giesinger J, Kuster M. The "forgotten joint" as the ultimate goal in joint arthroplasty: validation of a new patient-reported outcome measure. *J Arthroplasty* 2012; 27:430-436.e1.

Hertel P, Behrend H. Implant-free anterior cruciate ligament reconstruction with the patella ligament and press-fit double bundle technique. *Unfallchirurg* 2010; 113(7):540-548.

Hertel P, Behrend H. [Implant-free anterior cruciate ligament reconstruction with the patella ligament and press-fit double bundle technique]. *Unfallchirurg* 2010; 113:540-8.

Behrend H. Erkrankungen und Verletzungen von Kniegelenk und Unterschenkel. In: *Verletzungen des Kapsel-Bandapparates*. Berlin Heidelberg: Springer-Verlag, 2009.

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Kessler M, Behrend H. Frakturen der oberen Extremität. In: Klinikmanual Chirurgie. Heidelberg: Springer, 2009. ISBN 978-3-540-72507-7. S. 250-273.

Behrend H. Frakturen der unteren Extremität. In: Klinikmanual Chirurgie. Heidelberg: Springer, 2009. ISBN 978-3-540-72507-7. S. 274-311.

Behrend H. Luxationen. In: Klinikmanual Chirurgie. Berlin, Deutschland: Springer Verlag, 2009. ISBN 978-3-540-72507-7. S. 316-328.

Behrend H. Weichteilverletzungen. In: Klinikmanual Chirurgie. Heidelberg: Springer, 2009. ISBN 978-3-540-72507-7. S. 329-341.

Kessler M, Behrend H. Frakturen am Körperstamm. In: Klinikmanual Chirurgie. 2009.

Kessler M, Behrend H, Henz S, Stutz G, Rukavina A, Kuster M. Function, osteoarthritis and activity after ACL-rupture: 11 years follow-up results of conservative versus reconstructive treatment. Knee surgery, sports traumatology, arthroscopy : official journal of the ESSKA 2008; 16:442-8.

Behrend H, C W. Reisebericht AGA-SFA Travelling Fellowship 2006 - Arthroskopie 2007 Mai. 20/2: 165 - 167. 2007

Behrend H, Stutz G, Bähis H, Kuster M. Knee ligament injuries. Praxis 2006; 95:1663-71.

Behrend H, Stutz G, Kessler M, Rukavina A, Giesinger K, Kuster M. Tunnel placement in anterior cruciate ligament (ACL) reconstruction: quality control in a teaching hospital. Knee Surg Sports Traumatol Arthrosc 2006; 14:1159-65.

MA K, Stutz G, Behrend H, Rukavina A, Kuster M. Is ACL-Reconstruction necessary to prevent Osteoarthritis? 12 Years follow-up Results after non-operative treatment of ACL-Rupture - British Journal of Sportsmedicine. 2005

Hertel P, Behrend H, Cierpinski T, Musahl V, Widjaja G. ACL reconstruction using bone-patellar tendon-bone press-fit fixation: 10-year clinical results. Knee surgery, sports traumatology, arthroscopy : official journal of the ESSKA 2005; 13:248-55.

Behrend H, Hertel P. Results of the surgical treatment of arthro-fibrosis of the knee. Der Unfallchirurg 2003; 106:483-91.

## Projekte (2)

**Does custom-made total knee arthroplasty better restore normal gait than conventional total knee arthroplasty?**

*Grundlagenforschung - 21.11.2018 - 31.12.2020*

*Automatisch geschlossen*

**Vitamin C Hauptstudie**

*Klinische Forschung - 01.08.2011 - 31.12.2014*

*Automatisch geschlossen*

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