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**II**

### **Kontakt**

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### **Bereiche**

Orthopädische Chirurgie und Traumatologie des Bewegungsapparates

### **Funktion**

Oberarzt/Oberärztin

### **Forschungsgebiet**

Biomechanik, Patient Reported Outcome Measures, Computer-Adaptive Testing

## Publikationen (46)

Jud L, Gautschi N, Möller S, Möller K, Giesinger K. Revision total knee arthroplasty results in financial deficits within the Swiss healthcare system. *Knee Surg Sports Traumatol Arthrosc* 2023

Ladurner A, Zdravkovic V, Giesinger K. Sex-Specific Implant Fixation Can Reduce Revision Rates in Total Hip Arthroplasty: Evidence From the Swiss National Joint Registry. *J Arthroplasty* 2023; 39:421-426.

Graichen H, Strauch M, Hirschmann M, Becker R, Lustig S, Clatworthy M, Jordaan J, Hazratwala K, von Eisenhart-Rothe R, Giesinger K, Calliess T. Digital TKA Alignment Training with a New Digital Simulation Tool (Knee-CAT) Improves Process Quality, Efficiency, and Confidence. *J Pers Med* 2023; 13

Ladurner A, Schöfl T, Calek A, Zdravkovic V, Giesinger K. Direct anterior approach improves in-hospital mobility following hemiarthroplasty for femoral neck fracture treatment. *Arch Orthop Trauma Surg* 2021

Giesinger K, Giesinger J, Hamilton D, Rechsteiner J, Ladurner A. Higher body mass index is associated with larger postoperative improvement in patient-reported outcomes following total knee arthroplasty. *BMC Musculoskelet Disord* 2021; 22:635.

Giesinger K. Hüftendoprothetik: Update zur Ergebnisbeurteilung aus Patientensicht. *Leading Opinions Orthopädie & Rheumatologie* 2021

Hamilton D, Giesinger J, Giesinger K. Technological developments enable measuring and using patient-reported outcomes data in orthopaedic clinical practice. *World J Orthop* 2020; 11:584-594.

Thaler M, Wassilew G, Giesinger K, Holzapfel B. The 2019 Austrian-Swiss-German Traveling Fellowship. *J Bone Joint Surg Am* 2020; 102:e105.

Holtz N, Hamilton D, Giesinger J, Jost B, Giesinger K. Minimal important differences for the WOMAC osteoarthritis index and the Forgotten Joint Score-12 in total knee arthroplasty patients. *BMC Musculoskelet Disord* 2020; 21:401.

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.

Loth F, Giesinger J, Giesinger K, Howie C, Hamilton D. Single-item satisfaction scores mask large variations in pain, function and joint awareness in patients following total joint arthroplasty. *Eur J Orthop Surg Traumatol* 2019; 30:267-274.

Giesinger J, Giesinger K, Federico B, Howie C, Hamilton D. Differences in case mix and outcomes between Swiss and Scottish total knee arthroplasty patients. *Knee Surg Sports Traumatol Arthrosc* 2019; 28:1797-1804.

Giesinger J, Behrend H, Hamilton D, Kuster M, Giesinger K. Normative Values for the Forgotten Joint Score-12 for the US General Population. *J Arthroplasty* 2018

Olach M, Giesinger K, Erhardt J. Clinical and radiological outcome at mean follow-up of 11 years after hip arthroscopy. *AOTS* 2018; online

Olach M, Gerhard P, Giesinger K, Lampert C, Erhardt J. Clinical and radiological outcome at mean follow-up of 11 years after hip arthroscopy. *Arch Orthop Trauma Surg* 2018; 139:1-6.

Hamilton D, Loth F, MacDonald D, Giesinger K, Patton J, Simpson A, Howie C, Giesinger J. Treatment Success Following Joint Arthroplasty: Defining Thresholds for the Oxford Hip and Knee Scores. *J Arthroplasty* 2018; 33:2392-2397.

Loth F, Liebensteiner M, Giesinger J, Giesinger K, Bliem H, Holzner B. What makes patients aware of their artificial knee joint?. *BMC Musculoskelet Disord* 2018; 19:5.

Hamilton D, Giesinger J, Giesinger K. It is merely subjective opinion that patient-reported outcome measures are not objective tools. *Bone Joint Res* 2017; 6:665-666.

Behrend H, Giesinger K, Zdravkovic V, Giesinger J. Validating the forgotten joint score-12 in patients after ACL reconstruction. *Knee* 2017; 24:768-774.

Loth F, Giesinger J, Giesinger K, MacDonald D, Simpson A, Howie C, Hamilton D. Impact of Comorbidities on Outcome After Total Hip Arthroplasty. *J Arthroplasty* 2017; 32:2755-2761.

Hamilton D, Loth F, Giesinger J, Giesinger K, MacDonald D, Patton J, Simpson A, Howie C. Validation of the English language Forgotten Joint Score-12 as an outcome measure for total hip and knee arthroplasty in a British population. *Bone Joint J* 2017; 99-B:218-224.

Behrend H, Zdravkovic V, Giesinger J, Giesinger K. Joint awareness after ACL reconstruction: patient-reported outcomes measured with the Forgotten Joint Score-12. *Knee Surg Sports Traumatol Arthrosc* 2016; 25:1454-1460.

Meier R, Marthy R, Saely C, Kuster M, Giesinger K, Rickli H. Comparison of preoperative continuation and discontinuation of aspirin in patients undergoing total hip or knee arthroplasty. *Eur J Orthop Surg Traumatol* 2016; 26:921-928.

Walcher M, Giesinger K, du Sart R, Day R, Kuster M. Plate Positioning in Periprosthetic or Interprosthetic Femur Fractures With Stable Implants-A Biomechanical Study. *J Arthroplasty* 2016; 31:2894-2899.

Erschbamer M, Gerhard P, Klima H, Ellenrieder B, Zdenek-Lehnen K, Giesinger K. Distal tibial derotational osteotomy with external fixation to treat torsional deformities: a review of 71 cases. *J Pediatr Orthop B* 2016

Hamilton D, Giesinger J, MacDonald D, Simpson A, Howie C, Giesinger K. Responsiveness and ceiling effects of the Forgotten Joint Score-12 following total hip arthroplasty. *Bone Joint Res* 2016; 5:87-91.

Behrend H, Zdravkovic V, Giesinger J, Giesinger K. Factors Predicting the Forgotten Joint Score After Total Knee Arthroplasty. *J Arthroplasty* 2016; 31:1927-32.

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?. *Knee Surg Sports Traumatol Arthrosc* 2016

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

<p>Giesinger K, Hamilton D, Erschbamer M, Jost B, Giesinger J. Black medicine: an observational study of doctors' coffee purchasing patterns at work. <i>BMJ</i> 2015; 351:h6446.</p>
<p>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. <i>J Arthroplasty</i> 2015</p>
<p>Ewers A, Spross C, Ebnetter L, Külling F, Giesinger K, Zdravkovic V, Erhardt J. 10-Year Survival of Acetabular Reinforcement Rings/Cages for Complex Hip Arthroplasty. <i>Open Orthop J</i> 2015; 9:163-7.</p>
<p>Kesterke N, Egeter J, Erhardt J, Jost B, Giesinger K. Patient-reported outcome assessment after total joint replacement: comparison of questionnaire completion times on paper and tablet computer. <i>Archives of orthopaedic and trauma surgery</i> 2015; 135:935-941.</p>
<p>Giesinger J, Kesterke N, Hamilton D, Holzner B, Jost B, Giesinger K. Development of an item list to assess the forgotten joint concept in shoulder patients. <i>BMC Musculoskelet Disord</i> 2015; 16:67.</p>
<p>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</p>
<p>Giesinger K, Ebnetter L, Day R, Stoffel K, Yates P, Kuster M. Can plate osteosynthesis of periprosthetic femoral fractures cause cement mantle failure around a stable hip stem? A biomechanical analysis. <i>J Arthroplasty</i> 2014; 29:1308-12.</p>
<p>Giesinger K, Hamilton D, Jost B, Holzner B, Giesinger J. Comparative responsiveness of outcome measures for total knee arthroplasty. <i>Osteoarthr Cartil</i> 2013; 22:184-9.</p>
<p>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. <i>Health Qual Life Outcomes</i> 2013; 11:1477-7525-11-64.</p>
<p>Giesinger J, Kuster M, Holzner B, Giesinger K. Development Of A Computer-Adaptive Version Of The Forgotten Joint Score. <i>J Arthroplasty</i> 2012</p>
<p>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. <i>J Arthroplasty</i> 2012; 27:430-436.e1.</p>
<p>Baumann P, Ebnetter L, Giesinger K, Kuster M. A triangular support screw improves stability for lateral locking plates in proximal tibial fractures with metaphyseal comminution: a biomechanical analysis. <i>Arch Orthop Trauma Surg</i> 2011; 131:815-21.</p>
<p>Lehnen K, Giesinger K, Warschkow R, Porter M, Koch E, Kuster M. Clinical outcome using a ligament referencing technique in CAS versus conventional technique. <i>Knee Surg Sports Traumatol Arthrosc</i> 2010; 19:887-92.</p>
<p>Kim C, Monjazebe A, Suntharalingam M, Giesinger K, Blackstock A. Preoperative versus postoperative chemoradiotherapy in the trimodality management of esophageal cancer. <i>Clin Adv Hematol Oncol</i> 2009; 7:327-333, 342.</p>

**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.**

**Ogon M, Giesinger K, Behensky H, Wimmer C, Nogler M, Bach C, Krismer M. Interobserver and intraobserver reliability of Lenke's new scoliosis classification system. *Spine* 2002; 27:858-62.**

**Behensky H, Giesinger K, Ogon M, Krismer M, Geisinger K. Multisurgeon assessment of coronal pattern classification systems for adolescent idiopathic scoliosis: reliability and error analysis. *Spine* 2002; 27:762-7.**

## Projekte (1)

**Application of smart sensor insoles for assessment of gait parameters and correlation to patient-reported outcomes in hip arthroplasty patients**

*Grundlagenforschung - 01.06.2021 - 30.06.2025*

*Geplant*

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