

Publikationen

Erstautorenschaften

Rickert M, Rauschmann M. Interbody fusion procedures. Orthopade. 2015 Feb;44(2):103. doi: 10.1007/s00132-014-3068-6.

Rickert M, Rauschmann M, Fleege C, Behrbalk E, Harms J. Interbody fusion procedures. Development from a historical perspective. Orthopade. 2015 Feb;44(2):104-13. doi: 10.1007/s00132-015-3076-1. Review. German.

Rickert M, Arabmotlagh M, Carstens C, Behrbalk E, Rauschmann M, Fleege C. Posterior lumbar interbody fusion implants. Software assisted planning--preliminary results. Orthopade. 2015 Feb;44(2):162-9.

Rickert M, Bürger A, Günther CM, Schulz CU. Forearm rotation in healthy adults of all ages and both sexes. J Shoulder Elbow Surg. 2008 Mar-Apr;17(2):271-5. Epub 2007 Nov 26. PMID: 18036849

Arabmotlagh M, **Rickert M**, Lukas A, Rauschmann M, Fleege C. Small cavity creation in the vertebral body reduces the rate of cement leakage during vertebroplasty. J Orthop Res. 2016 Feb 26. doi: 10.1002/jor.23215. [Epub ahead of print] PMID: 26919407
(contributed equally – Erstautorenschaft)

Rickert M, Schleicher P, Fleege C, Arabmotlagh M, Rauschmann M, Geiger F, Schnake KJ. Management of postoperative wound infections following spine surgery : First results of a multicenter study. Orthopade. 2016 Sep;45(9):780-8. doi: 10.1007/s00132-016-3314-1. German. PMID: 27514826

Fleege C, **Rickert M**, Werner I, Rauschmann M, Arabmotlagh M. Hybrid stabilization technique with spinal fusion and interlaminar device to reduce the length of fusion and to protect symptomatic adjacent segments : Clinical long-term follow-up. Orthopade. 2016 Sep;45(9):770-9. doi: 10.1007/s00132-016-3312-3. German.
(contributed equally – Erstautorenschaft)

Rickert M, Meurer A. Skeletal hemangiomas. *Orthopade*. 2017 Apr 11. doi: 10.1007/s00132-017-3421-7. [Epub ahead of print] German.

Rickert M, Fleege C, Tarhan T, Schreiner S, Makowski MR, Rauschmann M, Arabmotlagh M. Transforaminal lumbar interbody fusion using polyetheretherketone oblique cages with and without a titanium coating: a randomised clinical pilot study. *Bone Joint J*. 2017 Oct;99-B(10):1366-1372. doi: 10.1302/0301-620X.99B10.BJJ-2016-1292.R2.

M. Rickert, C. Fleege, M. Rauschmann. Behandlungsalgorithmus von Wundinfektionen an der Wirbelsäule mit ersten Ergebnissen einer retrospektiven Studie zur Behandlung von postoperativen Wundinfektionen mit Vakuumsystemen. *Die Wirbelsäule* 2017; 01(04): 265-272

Rickert M, Fleege C, Papachristos I, Makowski MR, Rauschmann M, Arabmotlagh M. Clinical Outcome After Anterior Lumbar Interbody Fusion With a New Osteoinductive Bone Substitute Material: A Randomized Clinical Pilot Study. *Clin Spine Surg*. 2019 Aug;32(7):E319-E325.

Rickert M, Rauschmann M. Die iatrogene Duraverletzung/Liquor fistel. *Die Wirbelsäule* 2019; 03: 260–265.

Rickert M, Rauschmann M, Latif-Richter N, Arabmotlagh M, Rahim T, Schmidt S, Fleege C. Management of Deep Spinal Wound Infections Following Instrumentation Surgery with Subfascial Negative Pressure Wound Therapy. *J Neurol Surg A Cent Eur Neurosurg*. 2021 Jan 27. doi: 10.1055/s-0040-1720999. Online ahead of print.

Letztautorenschaften

Stief F, Meurer A, Wienand J, Rauschmann M, **Rickert M**. 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 (Phila Pa 1976). 2015 Jun 1;40(11):E618-26.

Dick W, **Rickert M**. History of internal fixators : The subsequent importance for spinal surgery. Unfallchirurg. 2015 Dec;118 Suppl 1:66-72. doi: 10.1007/s00113-015-0089-5. German.

Rauschmann M, **Rickert M**. Historie klassischer Wirbelsäulenerkrankungen und deren Therapie [Preface].Unfallchirurg. 2015 Dec;118 Suppl 1:2-3. doi: 10.1007/s00113-015-0107-7.

Fleege C, Almajali A, Rauschmann M, **Rickert M**. Improve of surgical outcomes in spinal fusion surgery : evidence based peri- and intra-operative aspects to reduce complications and earlier recovery. Orthopade. 2014 Dec;43(12):1070-8. doi: 10.1007/s00132-014-3041-4. German.

Harms J, Rauschmann M, **Rickert M**. Therapy of scoliosis from a historical perspective. Unfallchirurg. 2015 Dec;118 Suppl 1:28-36. doi: 10.1007/s00113-015-0097-5. German.

Fleege C, Arabmotlagh M, Rother W, Rauschmann M, **Rickert M**. ALIF and PLIF interposition in low-grade isthmic spondylolisthesis L5/S1 : Longterm-Comparison of interbody fusion techniques (ALIF - PLIF). Orthopade. 2016 Sep;45(9):760-9. doi: 10.1007/s00132-016-3311-4.German. PMID: 27565160

Stief F, Meurer A, Wienand J, Rauschmann M, **Rickert M**. Effect of lumbar spinal fusion surgery on the association of self-report measures with objective measures of physical function. Gait Posture. 2017 Dec 19;61:7-12. doi: 10.1016/j.gaitpost.2017.12.019.

Kupka J, Kohler A, El Bagdadi K, Bostelmann R, Brenneis M, Fleege C, Chan D, Zaucke F, Meurer A, **Rickert M**, Jenei-Lanzl Z. Adrenoceptor Expression during Intervertebral Disc Degeneration. Int J Mol Sci. 2020 Mar 18;21(6). pii: E2085. doi: 10.3390/ijms21062085.

(contributed equally – Letztautorenschaft)

Fleege C, Rauschmann M, Arabmotlagh M, **Rickert M**. Development and current use of local antibiotic carriers in spondylodiscitis : Pilot study on reduction of duration of systemic treatment. Orthopade. 2020 Jul 27. doi: 10.1007/s00132-020-03942-4.

Fleege C, Makowski M, Rauschmann M, Fraunhoffer KL, Fennema P, Arabmotlagh M, **Rickert M**. Carbon fiber-reinforced pedicle screws reduce artifacts in magnetic resonance imaging of patients with lumbar spondylodesis. Sci Rep. 2020 Sep 30;10(1):16094. doi: 10.1038/s41598-020-73386-5.

Chatterjee B, Rauschmann M, Fleege C, Arabmotlagh M, Schmidt S, Martin K, **Rickert M**. A Prospective, Randomized Study Evaluating Clinical and Radiographic Efficacy of Lumbar Interbody Fusion Performed Using a Truss Technology–Based Interbody Fusion Device with Homologous Bone or Bone Marrow Aspirate. International Journal of Spine Surgery December 2020, 14 (6) 924-935; DOI: <https://doi.org/10.14444/7141>

Schulz S, Eichler M, **Rickert M**. Die lumbale Spondylodese – eine Übersicht. Orthop. Rheuma 24, 26–34 (2021). <https://doi.org/10.1007/s15002-020-3196-9>

Co Autorenschaften

Arabmotlagh M, Nikoleiski SC, Schmidt S, Rauschmann M, **Rickert M**, Fleege C. Radiological evaluation of kyphoplasty with an intravertebral expander after osteoporotic vertebral fracture. J Orthop Res. 2018 Nov 20. doi: 10.1002/jor.24180.

Chevalier Y, Matsuura M, Krüger S, Fleege C, **Rickert M**, Rauschmann M, Schilling C. Micro-CT and micro-FE analysis of pedicle screw fixation under different loading conditions. J Biomech. 2017 Dec 26. pii: S0021-9290(17)30736-4. doi: 10.1016/j.jbiomech.2017.12.023.

Bender YY, Böker SM, Diederichs G, Walter T, Wagner M, Fallenberg E, Liebig T, **Rickert M**, Hamm B, Makowski MR. MRI for the detection of calcific features of vertebral haemangioma. Clin Radiol. 2017 Mar 19. pii: S0009-9260(17)30083-1. doi: 10.1016/j.crad.2017.02.018.

Behrbalk E, Uri O, Folman Y, **Rickert M**, Kaiser R, Boszczyk BM. Staged Correction of Severe Thoracic Kyphosis in Patients with Multilevel Osteoporotic Vertebral Compression Fractures. *Global Spine J.* 2016 Nov;6(7):710-720. Epub 2015 Dec 2.

Bender YY, Diederichs G, Walter TC, Wagner M, Liebig T, **Rickert M**, Hermann KG, Hamm B, Makowski MR. Differentiation of Osteophytes and Disc Herniations in Spinal Radiculopathy Using Susceptibility-Weighted Magnetic Resonance Imaging. *Invest Radiol.* 2016 Aug 19. [Epub ahead of print] PMID: 27548342

Tarhan T, Froemel D, **Rickert M**, Rauschmann M, Fleege C. History of vertebral body replacement. *Unfallchirurg.* 2015 Oct 19. [Epub ahead of print] German.

Fleege C, **Rickert M**, Rauschmann M. The PLIF and TLIF techniques. Indication, technique, advantages, and disadvantages. *Orthopade.* 2015 Feb;44(2):114-23. doi: 10.1007/s00132-014-3065-9. Review. German.

Niederer D, Vogt L, Wilke J, **Rickert M**, Banzer W. Age-related cutoffs for cervical movement behaviour to distinguish chronic idiopathic neck pain patients from unimpaired subjects. *Eur Spine J.* 2015 Mar;24(3):493-502. doi: 10.1007/s00586-014-3715-y. Epub 2014 Dec 10.

Wilke J, Vogt L, Niederer D, Hübscher M, Rothmayr J, Ivkovic D, **Rickert M**, Banzer W. Short-term effects of acupuncture and stretching on myofascial trigger point pain of the neck: a blinded, placebo-controlled RCT. *Complement Ther Med.* 2014 Oct;22(5):835-41. doi: 10.1016/j.ctim.2014.09.001. Epub 2014 Sep 16.

Behrbalk E, Uri O, Clamp JA, **Rickert M**, Boszczyk BM. Bilateral reconstructive costoplasty for razorback deformity correction in adolescent idiopathic scoliosis. *Eur Spine J.* 2015 Feb;24(2):234-41. doi: 10.1007/s00586-014-3619-x. Epub 2014 Nov 7.

Behrbalk E, Uri O, Parks RM, Grevitt MP, **Rickert M**, Boszczyk BM. Posterior-only correction of Scheuermann kyphosis using pedicle screws: economical optimization through screw density reduction. *Eur Spine J.* 2014 Oct;23(10):2203-10. doi: 10.1007/s00586-014-3472-y. Epub 2014 Aug 8.

Günther CM, **Rickert M**, Bürger A, Schulz CU. Carpo-metacarpal flexion of the thumb in healthy adults. *Handchir Mikrochir Plast Chir.* 2007 Aug;39(4):272-5. German. PMID: 17724649

Günther CM, Bürger A, **Rickert M**, Crispin A, Schulz CU. Grip strength in healthy caucasian adults: reference values. J Hand Surg Am. 2008 Apr;33(4):558-65. doi: 10.1016/j.jhsa.2008.01.008. PMID: 18406961

Günther CM, Bürger A, **Rickert M**, Schulz CU. Key pinch in healthy adults: normative values. J Hand Surg Eur Vol. 2008 Apr;33(2):144-8. doi: 10.1177/1753193408087031. PMID: 18443052

Hessmann MH, **Rickert M**, Hofmann A, Rommens PM, Buhl M. Outcome in Pelvic Ring Fractures. Eur J Trauma Emerg Surg. 2010 Apr;36(2):124-30. doi: 10.1007/s00068-010-1042-0. Epub 2010 Mar 31. PMID: 26815686