

PUBLIKATIONSLISTE

- Humane Osteoblasten reagieren auf zyklische Dehnungsreize mit Anstieg von freiem intrazellulärem Calcium. **Welsch F**, Kurth A, Martin J, Brand R; Osteologie 2000; 9/suppl 1: 55
- Calcium spielt eine Rolle in der Signalübermittlung von TGF-Beta-1 bei osteoblastenartigen Zellen. **Welsch F**, Kurth A, Tran N., Martin J, Brand R Osteologie 2000; 9/suppl 1: 107
- Effect of cyclic strain duration on intracellular calcium flux in human chondrocytes. **Welsch FT**, Martin JA, Kurth AA, Tran NNP, Brand RA; Transactions of European Orthopaedic Research Society Vol 10: O 95
- Arthroseprogression und Gelenkstabilität bei Revisionseingriffen am vorderen Kreuzband. Mittelfristige Ergebnisse nach Verwendung eines autologen Patellarsehnentransplantates. Eberhardt C., **Welsch F.**, Kurth A., Zichner L., Jäger A. Akt Traumatol 2000; 30: 163-167
- Primary human bone cultures from older patients do not respond at continuum levels of in vivo strain magnitudes. Stanford CM, **Welsch F**, Kastner N, Thomas G, Zaharias R, Holtman K, Brand RA. J Biomech. 2000 Jan;33(1):63-71
- Kann die operative Meniskusrefixation bei Sportlern mit persistierender chronisch ventraler Instabilität das Entstehen einer Früharthrose verhindern? Jäger A, Braune C, **Welsch F**, Khoudeir S, Rauschmann M.; Zentralbl Chir. 2002 Oct;127(10):890-4
- 10-Jahresergebnisse nach arthroskopischer vorderer Kreuzbandrekonstruktion mit dem Patellarsehnentransplantat. Jäger A, **Welsch F**, Braune C, Eberhardt C., Kappler C.; Z Orthop Ihre Grenzgeb. 2003 Jan-Feb;141(1):42-7
- Mid-term results and quantitative comparison of postoperative shoulder function in traumatic and non-traumatic rotator cuff tears. Braune C, Von Eisenhart-Rothe R, **Welsch F**, Teufel M, Jaeger A.; Arch Orthop Trauma Surg. 2003, Oct;123(8):419-24
- Postoperative functional outcome and stability in recurrent traumatic anterior-inferior glenohumeral instability – comparison of two different surgical capsular reconstruction techniques. Jaeger A, Braune C, **Welsch F**, Graichen H.; Arch Orthop Trauma Surg. 2004 May 124(4):226-31
- Patella kinematics and patello-femoral contact areas in patients with genu varum and mild Osteoarthritis. Hinterwimmer S., von Eisenhart-Rothe R., Siebert M., **Welsch F.**, Vogl T., Graichen H.; Clin Biomech. 2004 Aug., 19(7): 704-10
- Nuklearmedizinische Diagnostik bei orthopädischen Erkrankungen. Welsch M., **Welsch F.**, Grünwald F.; Orthopäde, 2006 Jun 35(6):632-40

- Long-term outcome after arthroscopic meniscal repair versus arthroscopic partial meniscectomy for traumatic meniscal tears. Stein T, Mehling AP, **Welsch F**, von Eisenhart-Rothe R, Jäger A.; Am J Sports Med. 2010 Aug;38(8):1542-8
- Shoulder sport-specific impairments after arthroscopic Bankart repair: a prospective longitudinal assessment. Stein T, Linke RD, Buckup J, Efe T, von Eisenhart-Rothe R, Hoffmann R, Jäger A, **Welsch F**.; Am J Sports Med. 2011 Nov;39(11):2404-14
- MRI assessment of the structural labrum integrity after Bankart repair using knotless bio-anchors. Stein T, Mehling AP, Reck C, Buckup J, Efe T, Hoffmann R, Jäger A, **Welsch F**.; Knee Surg Sports Traumatol Arthrosc. 2011 Oct;19(10):1771-9
- Arthroskopische Verfahren am Kniegelenk. **F. Welsch**, A.P. Mehling, T. Stein, R. Hoffmann.; Trauma und Berufskrankheit 14, 2012
- Kompartimentüberschreitendes Weichteilemphysem nach arthroskopischer Meniskusteilresektion . Walter G, **Welsch F**, Hoffmann R.; Unfallchirurg. 2012 Mar;115(3):226-33
- Tibiofemoral and patellofemoral joint 3D-kinematics in patients with posterior cruciate ligament deficiency compared to healthy volunteers. von Eisenhart-Rothe R, Lenze U, Hinterwimmer S, Pohlig F, Graichen H, Stein T, **Welsch F**, Burgkart R.; BMC Musculoskelet Disord. 2012 Nov 26;13:231
- MRI graduation of osseous reaction and drill hole consolidation after arthroscopic Bankart repair with PLLA anchors and the clinical relevance. Stein T, Mehling AP, Ulmer M, Reck C, Efe T, Hoffmann R, Jäger A, **Welsch F**.; Knee Surg Sports Traumatol Arthrosc. 2012 Nov;20(11):2163-73
- Ersatz des vorderen Kreuzbandes beim Kind. **F. Welsch**, A.P. Mehling, T. Stein; Trauma und Berufskrankheit 15, 2013
- Restoration of joint congruency and the glenoidal labrum after arthroscopic revision Bankart repair: a MRI match-paired analysis comparing primary Bankart repair and the uninjured labrum. Stein T, Buckup J, Mehling AP, Hoffmann R, Efe T, von Eisenhart-Rothe R, **Welsch F**.; Arch Orthop Trauma Surg. 2014 Aug;134(8):1121-34
- Therapie von Degenerationen und Verletzungen der Rotatorenmanschette. Stein T, Mehling AP, **Welsch F**; Z Orthop Unfall. 2014 Feb;152(1):75-92
- Structural and clinical integrity of the rotator cuff in athletes after arthroscopic Bankart repair using the three-portal technique. Stein T, Buckup J, Efe T, von Eisenhart-Rothe R, Hoffmann R, Zimmermann E, **Welsch F**.; Arch Orthop Trauma Surg. 2015 Mar;135(3):369-82

- Kniegelenktrauma mit Knorpelabscherverletzung - Refixation, Resektion, Sekundärversorgung? **F. Welsch**, T. Stein, P. Minzlaff, R. Hoffmann; Trauma und Berufskrankheit 18, 2016
- Komplexe Kniebandinstabilitäten einschließlich Luxation –Teil 1. **Welsch, F.**; Köhler, K.; Buckup, J.; Stein, T.; Orthopädie und Unfallchirurgie up2date, 2016
- Komplexe Kniebandinstabilitäten einschließlich Luxation –Teil 2. **Welsch, F.**; Köhler, K.; Buckup, J.; Stein, T.; Orthopädie und Unfallchirurgie up2date, 2016
- Outcome of arthroscopic SLAP repair using knot-tying-suture anchors compared with knotless-suture anchors in athletes. Reinig Y, **Welsch F**, Hoffmann R, Müller D, Schüttler KF, Zimmermann E, Stein T.; Arch Orthop Trauma Surg. 2018 Sep;138(9):1273-1285
- Back to Sports After Arthroscopic Revision Bankart Repair. Buckup J, **Welsch F**, Gramlich Y, Hoffmann R, Roessler PP, Schüttler KF, Stein T.; Orthop J Sports Med. 2018 Feb 21;6(2)
- The arthroscopic Bankart repair procedure enables complete quantitative labrum restoration in long-term assessments. Bock J, Buckup J, Reinig Y, Zimmermann E, Colcuc C, Hoffmann R, **Welsch F**, Stein T.; Knee Surg Sports Traumatol Arthrosc. 2018 Dec;26(12):3788-3796
- Stabilization of Acute High-Grade Acromioclavicular Joint Separation: A Prospective Assessment of the Clavicular Hook Plate Versus the Double Double-Button Suture Procedure. Stein T, Müller D, Blank M, Reinig Y, Saier T, Hoffmann R, **Welsch F**, Schweigkofler U.; Am J Sports Med. 2018 Sep;46(11):2725-2734
- Return to sport after acute acromioclavicular stabilization: a randomized control of double-suture-button system versus clavicular hook plate compared to uninjured shoulder sport athletes. Müller D, Reinig Y, Hoffmann R, Blank M, **Welsch F**, Schweigkofler U, Stein T.; Knee Surg Sports Traumatol Arthrosc. 2018 Dec;26(12):3832-3847
- Rotator cuff muscular integrity after arthroscopic revision of a Bankart repair. Buckup J, **Welsch F**, Hoffmann R, Roessler PP, Schüttler KF, Stein T.; Arch Orthop Trauma Surg. 2018 Feb;138(2)
- Assessments of activities of daily living after arthroscopic SLAP repair with knot-tying versus knotless suture anchors. Reinig Y, **Welsch F**, Hoffmann R, Müller D, Gramlich S, Fischer S, Schüttler KF, Zimmermann E, Stein T.; Arch Orthop Trauma Surg. 2019 Jul;139(7):981-990
- The medial open-wedge osteotomy generates progressive intrameniscal integrity changes in the lateral knee compartment: a prospective MR-assessment after valgus osteotomy in the varus gonarthritic knee. Bick F, Iffland Y, Zimmermann E, **Welsch F**, Hoffmann R, Stein T.; Knee Surg Sports Traumatol Arthrosc. 2019 Apr;27(4):1339-1346;

- Anatomic ligament consolidation of the superior acromioclavicular ligament and the coracoclavicular ligament complex after acute arthroscopically assisted double coracoclavicular bundle stabilization. Jobmann S, Buckup J, Colcuc C, Roessler PP, Zimmermann E, Schüttler KF, Hoffmann R, **Welsch F**, Stein T.; Knee Surg Sports Traumatol Arthrosc. 2019 Oct;27(10):3168-3179
- Effectiveness of a home-based re-injury prevention program on motor control, return to sport and recurrence rates after anterior cruciate ligament reconstruction: study protocol for a multicenter, single-blind, randomized controlled trial (PReP). Niederer D, Keller M, Achtnich A, Akoto R, Ateschrang A, Banzer W, Barié A, Best R, Ellermann A, Fischer A, Guenther D, Herbort M, Höher J, Janko M, Jung TM, Krause M, Petersen W, Stoffels T, Stöhr A, **Welsch F**, Stein T.; Trials. 2019 Aug 13;20(1)
- Arthroscopic Bankart repair: how many knotless anchors do we need for anatomic reconstruction of the shoulder?-a prospective randomized controlled study. Buckup J, **Welsch F**, Petchennik S, Klug A, Gramlich Y, Hoffmann R, Stein T. Int Orthop. 2023 May;47(5):1285-1293