

Publikationsverzeichnis Jahresbericht 2024

Originalarbeiten

(In „Peer-Reviewed“-Zeitschriften)

1. **Akgün D, Gebauer H, Paksoy A, Eckl L, Hayta A, Ücertas A, Barthod-Tonnot N, Dey Hazra RO, Lacheta L, Moroder P and Pawelke J.** Comparison of clinical outcomes between nonoperative treatment and arthroscopically assisted stabilization in patients with acute Rockwood type 5 acromioclavicular dislocation. *Orthop J Sports Med* 12: 23259671241289117, 2024.
2. **Akgün D, Gebauer H, Paksoy A, Schafer F, Herbst E, Karczewski D, Pastor MF and Moroder P.** Differences in osseous shoulder morphology, scapulothoracic orientation, and muscle volume in patients with constitutional static posterior shoulder instability (type C1) compared with healthy controls. *Am J Sports Med* 52: 1299-1307, 2024.
3. **Akgün D, Paksoy A, Imiolczyk J-P, Bahlawane S, Gebauer H, Dey Hazra RO, Stöckle U, Braun KF and Moroder P.** Intraoperative Doppler flowmetry evaluation of humeral head perfusion after proximal humerus fracture. *JSES Int* 8: 990-994, 2024.
4. **Al Attar WSA, Majrashi A and Bizzini M.** Effectiveness of FIFA 11+ injury prevention programs in reducing head and neck injuries, including concussion, among soccer players: a systematic review and meta-analysis. *Pediatr Exerc Sci* (Epub ahead of print) DOI: 10.1123/pes.2023-0187, 2024.
5. **Anzellotti G, Oetli FC, Franceschi C, Conte P, Bertolino EM, Lipina M, Lychagin A, Kon E and Di Matteo B.** No significant differences between bisphosphonates and placebo for the treatment of bone marrow lesions of the knee: a systematic review and meta-analysis of randomized controlled trials. *J Clin Med* 13: 3799, 2024.
6. **Baertl S, Rupp M, Kerschbaum M, Morgenstern M, Baumann F, Pfeifer C, Worlicek M, Popp D, Amanatullah DF and Alt V.** The PJI-TNM classification for periprosthetic joint infections. *Bone Joint Res* 13: 19-27, 2024.
7. **Bandzaite L, Marks M, Schindele S and Herren DB.** Proximal interphalangeal surface replacement in patients with severe longitudinal joint axis deviation. *J Hand Surg Eur Vol* (Epub ahead of print) DOI: 10.1177/17531934241305801, 2024.
8. **Bargeri S, Castellini G, Vitale JA, Guida S, Banfi G, Gianola S and Pennestri F.** Effectiveness of telemedicine for musculoskeletal disorders: umbrella review. *J Med Internet Res* 26: e50090, 2024.
9. **Baroncini A, Boissière L, Larrieu D, Haddad S, Pellisé F, Alanay A, Kleinstück F, Pizones J, Bourghli A, Obeid I and European Spine Study Group (ESSG).** Comparison of patients with and without predicted surgical indication between clusters of adult spine deformity (ASD) patients. *Spine (Phila Pa 1976)* (Epub ahead of print) DOI: 10.1097/brs.0000000000005173, 2024.
10. **Baroncini A, Boissière L, Yilgor C, Larrieu D, Alanay A, Pellisé F, Kleinstück F, Pizones J, Charles YP, Roscop C, Bourghli A, Obeid I and European Spine Study Group (ESSG).** Primary pelvic anteversion: definition, relevance, and history after surgery for adult spine deformity. *Spine (Phila Pa 1976)* 49: 1107-1115, 2024.
11. **Bassani T, Ignasiak D, Cina A and Galbusera F.** Prediction of trunk muscle activation and spinal forces in adolescent idiopathic scoliosis during simulated trunk motion: a musculoskeletal modelling study. *J Biomech* 163: 111918, 2024.
12. **Baum C, Audigé L, Stojanov T, Müller SA, Candrian C, ARCR_Pred Study Group and Müller AM.** Functional and radiologic outcomes of degenerative versus traumatic full-thickness rotator cuff tears involving the supraspinatus tendon. *Am J Sports Med* 52: 441-450, 2024.
13. **Behnam YA, Anantha Krishnan A, List R and Clary CW.** In vitro verification of simulated daily activities using implant-specific kinematics from in vivo measurements. *Bioengineering (Basel)* 11: 1108, 2024.
14. **Blättler M, Bizzini M, Schaub G, Monn S, Barrué-Belou S, Oberhofer K and Maffiuletti NA.** Assessment of hip abductor and adductor muscle strength with fixed-frame dynamometry: considerations on the use of bilateral and unilateral tasks. *Phys Ther Sport* 70: 22-28, 2024.
15. **Boehm E, Keck A, Krueger D and Scheibel M.** Arthroscopic repair of anteroinferior glenoid rim fractures: mean 10-year clinical and radiologic results. *J Shoulder Elbow Surg* 33: 2893-2898, 2024.
16. **Borghi S, Bizzozero S, Vitale JA, Tallini E, Corazza F, La Torre A, Banfi G and Codella R.** Chronotype, sleep hygiene, and sleep characteristics among athletes of different disciplines. *Int J Sports Med* (Epub ahead of print) DOI: 10.1055/a-2421-9310, 2024.

17. **Borghi S, La Torre A, Messina C, Sconfienza LM, Banfi G and Vitale JA.** Sleep characteristics, magnetic resonance imaging- and dual-energy x-ray absorptiometry-based morphological parameters, muscle strength, and risk of falls in sedentary older subjects. *J Aging Phys Act* 33: 27-34, 2024.
18. **Bourghli A, Boissière L, Larrieu D, Pizones J, Alanay A, Pellisé F, Kleinstück F, Obeid I and European Spine Study Group (ESSG).** Proximal junctional kyphosis after adult spinal deformity operated patients with long fusion to the pelvis. Does the type of proximal anchor matter? *Eur Spine J* 33: 2832-2839, 2024.
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21. **Briem T, Stephan A, Stadelmann VA, Fischer MA, Pfirrmann CWA, Rudiger HA and Leunig M.** Mid-term results of autologous matrix-induced chondrogenesis for large chondral defects in hips with femoroacetabular impingement syndrome. *Bone Joint J* 106-B: 32-39, 2024.
22. **Brune D, Endell D, George SZ, Edwards R, Scheibel M and Lazaridou A.** Beyond the surgery: the impact of coping strategies on persistent pain after rotator cuff repair. *J Clin Med* 13: 6584, 2024.
23. **Brune D, George SZ, Edwards RR, Moroder P, Scheibel M and Lazaridou A.** Which patient level factors predict persistent pain after reverse total shoulder arthroplasty? *J Orthop Surg Res* 19: 786, 2024.
24. **Brune D, Stojanov T, Müller AM, Weibel D, Hunziker S, Erdbrink S, ARCR_Pred Study Group and Audigé L.** Understanding preoperative health-related quality of life in rotator cuff tear patients: role of patients' characteristics. *BMC Musculoskelet Disord* 25: 992, 2024.
25. **Charles YP, Severac F, Núñez-Pereira S, Haddad S, Vila L, Pellisé F, Obeid I, Boissière L, Yilgor C, Yucekul A, Alanay A, Kleinstück F, Loibl M, Gómez-Rice A, Raganato R, Pérez-Grueso FJS, Pizones J and European Spine Study Group (ESSG).** Influence of implant density on mechanical complications in adult spinal deformity surgery. *Eur Spine J* 33: 4643-4652, 2024.
26. **Charles YP, Severac F, Núñez-Pereira S, Haddad S, Vila L, Pellisé F, Obeid I, Boissière L, Yilgor C, Yucekul A, Alanay A, Kleinstück F, Loibl M, Gómez-Rice A, Raganato R, Pérez-Grueso FJS, Pizones J and European Spine Study Group (ESSG).** Correction to: Influence of implant density on mechanical complications in adult spinal deformity surgery. *Eur Spine J* (Epub ahead of print) DOI: 10.1007/s00586-024-08583-1, 2024.
27. **Cina A, Vitale J, Haschtmann D, Loibl M, Fekete TF, Kleinstück F, Galbusera F, Jutzeler CR and Mannion AF.** Methodological considerations in calculating the minimal clinically important change score for the core outcome measures index (COMI): insights from a large single-centre spine surgery registry. *Eur Spine J* 33: 4415-4425, 2024.
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34. **Feltri P, Audigé L, Candrian C, Mueller AM, Fritz Y, ARCR_Pred Study Group and Filardo G.** Rotator cuff repair: sleep disturbance significantly improves after arthroscopic tendon repair. *Knee Surg Sports Traumatol Arthrosc* (Epub ahead of print) DOI: 10.1002/ksa.12420, 2024.
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 62. **Ismailidis P, Neopoulos G, Egloff C, Mündermann A, Halbeisen FS, Nüesch C, Appenzeller-Herzog C and Müller SA.** Simultaneous patellar tendon and anterior cruciate ligament rupture: a systematic review, meta-analysis and algorithmic approach. *Arch Orthop Trauma Surg* 145: 61, 2024.
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77. **Larrieu D, Baroncini A, Bourghli A, Pizones J, Kleinstück FS, Alanay A, Pellisé F, Charles YP, Boissière L and Obeid I.** Calculation of the minimal clinically important difference in operated patients with adult spine deformity: advantages of the ROC method and significance of prevalence in threshold selection. *Eur Spine J* 33: 2794-2803, 2024.
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„Peer-Reviewed“-Kongress-Abstracts

1. **Abu-Zeid P-N, Brunner UH, Nadjar R, Scheibel M and Imiolczyk J-P.** Mittelfristige klinische und radiologische Ergebnisse knöcherner (BIO) vs. metallischer (MIO) bipolarer Lateralisierung in der primären inversen Schulterendoprothetik. 29. Jahreskongress der D-A-CH Vereinigung für Schulter- und Ellenbogenchirurgie (DVSE) e.V., Düsseldorf, Deutschland, 15.-17.05.2024.
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54. **Hax J, Leuthard L, Worlicek M, Stadelmann VA, Preiss S and Blümel S.** Tibiale Umstellungsosteotomie (HTO) und zeitgleicher unikondylärer Ersatz (UKA) - erfolgsversprechend? *Deutscher Kongress für Orthopädie und Unfallchirurgie (DKOU 2024)*, Berlin, Deutschland, 22.-25.10.2024.
55. **Hayta A, Festbaum C, Dey Hazra R-O, Paksoy A, Akgün D and Moroder P.** Arthroskopische retrograde Aufstößelung von reverse Hill-Sachs-Läsionen bei akuter posteriorer Schulterluxation vom Typ A2 führt zu einer nahezu anatomischen Rekonstruktion der Gelenkfläche des Humeruskopfs und guten Ergebnissen. *41. Kongress der Gesellschaft für Arthroskopie und Gelenkchirurgie (AGA)*, Zürich, Schweiz, 12.-14.09.2024.
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Dissertationen, Diplomarbeiten

1. **Bechert GV.** *Der Einfluss der Fußposition auf die Ganzkörperkinematik beim Golfschwung* (Bachelor of Science). Stuttgart, Deutschland: Universität Stuttgart, 2024. Supervisor: List R.
2. **Bürgisser M.** *Associations between acoustic emissions of the knee, diagnostic imaging data, and tibial plateau microstructure* (Master of Science). Zurich, Switzerland: Swiss Federal Institute of Technology (ETH), 2024. Supervisor: Stadelmann VA.
3. **Fantacci A.** *Assessing biomechanical changes in femoroacetabular impingement syndrome patients before and after exercise therapy* (Master of Science). Zurich, Switzerland: Swiss Federal Institute of Technology (ETH), 2024. Supervisor: List R.
4. **Häfliger L.** *Neural networks for automating lower limb radiographic assessments* (Master of Science). Zurich, Switzerland: Swiss Federal Institute of Technology (ETH), 2024. Supervisor: Stadelmann VA.
5. **Jacobs N.** *Association between knee osteoarthritis progression and acoustic emissions* (Master of Science). Zurich, Switzerland: Swiss Federal Institute of Technology (ETH), 2024. Supervisor: Stadelmann VA.
6. **Salgo S.** *Assessing biomechanical changes in femoroacetabular impingement syndrome patients before and after surgery* (Master of Science). Zurich, Switzerland: Swiss Federal Institute of Technology (ETH), 2024. Supervisor: List R.
7. **Tschenett S.** *Bilateral deficit of lower extremity muscle power: test-retest reliability and relationship between tests* (Master of Science in Physiotherapy). Bern, Switzerland: Bern University of Applied Sciences 2024. Supervisor: Maffiuletti NA.
8. **Zuppiger C.** *Multimodal diagnostics using knee sound* (Master of Science). Windisch, Switzerland: University of Applied Science Northwestern Switzerland, 2024. Supervisor: Stadelmann VA.