

Publikationsverzeichnis Jahresbericht 2023

Wissenschaftliche Originalarbeiten in peer-reviewed Zeitschriften*

1. **Aibinder WR, Uddin F, Bicknell RT, Krupp R, Scheibel M and Athwal GS.** Stress shielding following stemless anatomic total shoulder arthroplasty. *Shoulder Elbow* 15: 54-60, 2023.
2. **Alten R, Tony HP, Bannert B, Nüßlein H, Rauch C, Connolly SE, Chartier M, Lozenski K, Hackl R, Forster A and Peichl P.** Subcutaneous abatacept for the treatment of rheumatoid arthritis in routine clinical practice in Germany, Austria, and Switzerland: 2-year retention and efficacy by treatment line and serostatus. *Clin Rheumatol* 42: 2321-2334, 2023.
3. **Amos G, Rode D, Maffiuletti NA, Bizzini M, Mauch M, Easthope CA, Haufe F, Xiloyannis M, Wolf P and Riener R.** Gamification of physical therapy exercises using commercial entertainment content: a safety and feasibility study. *IEEE Int Conf Rehabil Robot* 2023: 1-6, 2023.
4. **Arundale AJH, Bizzini M, Dix C, Giordano A, Kelly R, Logerstedt DS, Mandelbaum B, Scalzitti DA, Silvers-Granelli H and Snyder-Mackler L.** Exercise-based knee and anterior cruciate ligament injury prevention. *J Orthop Sports Phys Ther* 53: CPG1-CPG34, 2023.
5. **Baker JD, Sayari AJ, Tao Y, Louie PK, Basques BA, Galbusera F, Niemeyer F, Wilke HJ, An HS and Samartzis D.** Endplate abnormalities, Modic changes and their relationship to alignment parameters and surgical outcomes in the cervical spine. *J Orthop Res* 41: 206-214, 2023.
6. **Baltic SP, Lyons KW, Mariaux F, Mannion AF, Werth PM, Fekete T, Porchet F, Kepler C, McGuire KJ, Lurie JD and Pearson AM.** Evaluation of the Clinical and Radiographic Degenerative Spondylolisthesis (CARDS) classification system as a guide to surgical technique selection. *Spine J* 23: 1641-1651, 2023.
7. **Baroncini A, Frechon P, Bourghli A, Smith JS, Larrieu D, Pellisé F, Pizones J, Kleinstück F, Alanay A, Kieser D, Cawley DT, Boissière L, Obeid I and European Spine Study Group (ESSG).** Adherence to the Obeid coronal malalignment classification and a residual malalignment below 20 mm can improve surgical outcomes in adult spine deformity surgery. *Eur Spine J* 32: 3673-3680, 2023.
8. **Bassani T, Cina A, Galbusera F, Sconfienza LM, Albano D, Barcellona F, Colombini A, Luca A and Brayda-Bruno M.** Automatic classification of the vertebral endplate lesions in magnetic resonance imaging by deep learning model. *Front Surg* 10: 1172313, 2023.
9. **Bellmann F, Eckl L, Vetter P, Audigé L and Scheibel M.** Clavicular tunnel widening after acromioclavicular stabilization shows implant-dependent correlation with postoperative loss of reduction. *Arthroscopy* 39: 2273-2280, 2023.
10. **Bizzini M, Schaub G, Ferrari E, Monn S, Leunig M, Casartelli NC and Maffiuletti NA.** Hip muscle strength in male and female patients with femoroacetabular impingement syndrome: comparison to healthy controls and athletes. *Phys Ther Sport* 61: 142-148, 2023.
11. **Blumel S, Stephan A, Stadelmann VA, Manner HM and Velasco R.** Percutaneous minimal invasive Achilles tendon lengthening improves clinical and radiographic outcomes in severe flexible flatfeet with shortened triceps surae complex in early childhood: a retrospective study. *Foot Ankle Surg* 29: 158-164, 2023.
12. **Bodmer E, Fiumedinisi F, Marks M, Neumeister S, Herren DB and Schindele S.** Radiological positioning of a proximal interphalangeal joint resurfacing implant: reliability and functional outcomes correlation. *Hand Surg Rehabil* 42: 115-120, 2023.
13. **Boissière L, Bourghli A, Kieser D, Larrieu D, Alanay A, Pellisé F, Kleinstück F, Loibl M, Pizones J, Obeid I and European Spine Study Group (ESSG).** Fixed coronal malalignment (CM) in the lumbar spine independently impacts disability in adult spinal deformity (ASD) patients when considering the Obeid-CM (O-CM) classification. *Spine J* 23: 1900-1907, 2023.
14. **Boissière L, Guevara-Villazón F, Bourghli A, Abdallah R, Pellisé F, Pizones J, Alanay A, Kleinstück F, Larrieu D and Obeid I.** Rod angulation does not reflect sagittal curvature in adult

- spinal deformity surgery: comparison of lumbar lordosis and rod contouring. *Eur Spine J* 32: 3666-3672, 2023.
15. **Caelers IJM, Mannion AF, Haschtmann D, Rijkers K, van Hemert WLW, de Bie RA and van Santbrink H.** Factors associated with an increased risk of developing postoperative symptomatic lumbar spondylolisthesis after decompression surgery: an explorative two-centre international cohort study. *Eur Spine J* 32: 462-474, 2023.
 16. **Cannizzaro D, Anania CD, De Robertis M, Pizzi A, Gionso M, Ballabio C, Ubezio MC, Frigerio GM, Battaglia M, Morengi E, Capo G, Milani D, Attuati L, Tomei M, Riva M, Costa F, Galbusera F, Politi LS, Ortolina A and Fornari M.** The lumbar adjacent-level syndrome: analysis of clinical, radiological, and surgical parameters in a large single-center series. *J Neurosurg Spine* 39: 479-489, 2023.
 17. **Cathomen A, Maier D, Kriz J, Abel R, Röhrich F, Baumberger M, Scivoletto G, Weidner N, Rupp R, Jutzeler CR, Steeves JD, Curt A and Bolliger M.** Walking outcome after traumatic paraplegic spinal cord injury: the function of which myotomes makes a difference? *Neurorehabil Neural Repair* 37: 316-327, 2023.
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 19. **Cossich VRA, Gavilão UF, Goes RA, Perini JA, Laett CT and Maffiuletti NA.** Maximal vs. explosive knee extensor strength in professional soccer players: inter-limb asymmetries and relationship with knee function. *Eur J Sport Sci* 23: 877-884, 2023.
 20. **Croci E, Warmuth F, Baum C, Kovacs BK, Nüesch C, Baumgartner D, Müller AM and Mündermann A.** Load-induced increase in muscle activity during 30° abduction in patients with rotator cuff tears and control subjects. *J Orthop Traumatol* 24: 41, 2023.
 21. **Douma MV, Casartelli NC, Sutter R, Leunig M and Maffiuletti NA.** Sex-specific differences in hip muscle cross-sectional area and fatty infiltration in patients with femoroacetabular impingement syndrome. *Orthop J Sports Med* 11: 23259671221147528, 2023.
 22. **Dreyer MJ, Weisse B, Contreras Raggio JI, Zboray R, Taylor WR, Preiss S and Horn N.** The influence of implant design and limb alignment on in vivo wear rates of fixed-bearing and rotating-platform knee implant retrievals. *J Orthop Res* (Epub ahead of print) DOI: 10.1002/jor.25734, 2023.
 23. **Dukan R, Juvenspan M, Scheibel M, Moroder P, Teissier P and Werthel JD.** Non-operative management of humeral periprosthetic fracture after stemless shoulder arthroplasty. *Int Orthop* (Epub ahead of print) DOI: 10.1007/s00264-023-06005-3, 2023.
 24. **Eberle A, Stephan A, Tedeus MP, Manner HM, Rudiger HA and Stadelmann VA.** Isolating factors for the prediction of rebound after guided growth with tension band plating for the valgus deformity of the knee. *J Child Orthop* 17: 459-468, 2023.
 25. **Eckl L, Vetter P, Bellmann F, Imiolczyk JP, Moroder P and Scheibel M.** Management of acute high-grade acromioclavicular joint dislocations: comparable clinical and radiological outcomes after bidirectional arthroscopic-assisted stabilization with the single low-profile suture button technique versus double-suture button technique. *Arthroscopy* 39: 2283-2290, 2023.
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 28. **Feltri P, Monteleone AS, Audigé L, Marbach F, Filardo G and Candrian C.** Patients with rotator cuff tears present a psychological impairment, not only a functional deficit: a systematic review. *Int Orthop* (Epub ahead of print) DOI: 10.1007/s00264-023-05952-1, 2023.

29. **Fitzgerald G, Turiel G, Gorski T, Soro-Arnaiz I, Zhang J, Casartelli NC, Masschelein E, Maffiuletti NA, Sutter R, Leunig M, Farup J and De Bock K.** MME(+) fibro-adipogenic progenitors are the dominant adipogenic population during fatty infiltration in human skeletal muscle. *Commun Biol* 6: 111, 2023.
30. **Freisleder F, Toft F, Imiolczyk J-P, Scheibel M and Audigé L.** Advanced cuff tear arthropathy: classic indication for a Grammont-style reverse shoulder arthroplasty implant or does bipolar lateralization perform better? *Seminars in Arthroplasty: JSES* (Epub ahead of print) DOI: 10.1053/j.sart.2023.07.010, 2023.
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32. **Gomez-Rice A, Capdevila-Bayo M, Núñez-Pereira S, Haddad S, Vila-Casademunt A, Pérez-Gruoso F, Kleinstück F, Obeid I, Alanay A, Pellisé F, Pizones J and European Spine Study Group (ESSG).** A 5-year follow-up of the effect of corrective surgery in young adults with idiopathic scoliosis. *Spine Deform* 11: 605-615, 2023.
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34. **Haddad S, Yasuda T, Vila-Casademunt A, Yilgor Ç, Nuñez-Pereira S, Ramirez M, Pizones J, Alanay A, Kleinstück F, Obeid I, Pérez-Gruoso FJS, Yukihiko M, Pellisé F and European Spine Study Group (ESSG).** Correction: Revision surgery following long lumbopelvic constructs for adult spinal deformity: prospective experience from two dedicated databases. *Eur Spine J* (Epub ahead of print) DOI: 10.1007/s00586-023-07988-8, 2023.
35. **Haddad S, Yasuda T, Vila-Casademunt A, Yilgor Ç, Nuñez-Pereira S, Ramirez M, Pizones J, Alanay A, Kleinstück F, Obeid I, Pérez-Gruoso FJS, Yukihiko M, Pellisé F and European Spine Study Group (ESSG).** Revision surgery following long lumbopelvic constructs for adult spinal deformity: prospective experience from two dedicated databases. *Eur Spine J* 32: 1787-1799, 2023.
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65. **Ortigas Vásquez A, Maas A, List R, Schütz P, Taylor WR and Grupp TM.** A framework for analytical validation of inertial-sensor-based knee kinematics using a six-degrees-of-freedom joint simulator. *Sensors (Basel)* 23: 348, 2023.
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39. **Illner J, Kraus M, Warnhoff M, Brunner M and Scheibel M.** Komplikationen und Revisionen nach anatomischer TEP mit metal-back Glenoiden - ein klinischer und radiologischer Vergleich von Kalottenersatz vs. Schaftendoprothese. *28. Jahreskongress der D-A-CH Vereinigung für Schulter- und Ellenbogenchirurgie (DVSE) e.V.*, Hamburg, Deutschland, 29.06.-01.07.2023.
40. **Imiolczyk J-P, Abu-Zeid P-N, Akgün D and Scheibel M.** Mittelfristige klinische und radiologische Ergebnisse humeraler Lateralisierung mittels "curved onlay stem" in der inversen Schulterendoprothetik. *28. Jahreskongress der D-A-CH Vereinigung für Schulter- und Ellenbogenchirurgie (DVSE) e.V.*, Hamburg, Deutschland, 29.06.-01.07.2023.
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52. **Karpinski K, Akgün D, Gebauer H, Paksoy A and Moroder P.** Brauchen wir Hilfe, um zuverlässige Messungen des Glenoidknochenverlusts bei Patienten mit anteriorer Schulterinstabilität durchzuführen? *28. Jahreskongress der D-A-CH Vereinigung für Schulter- und Ellenbogenchirurgie (DVSE) e.V.*, Hamburg, Deutschland, 29.06.-01.07.2023.
53. **Karpinski K, Akgün D, Paksoy A, Gebauer H and Moroder P.** Das Glenoid Globe Track Konzept. *28. Jahreskongress der D-A-CH Vereinigung für Schulter- und Ellenbogenchirurgie (DVSE) e.V.*, Hamburg, Deutschland, 29.06.-01.07.2023.
54. **Keiser M, Preiss S, Ferguson S and Stadelmann V.** Subchondral bone migrates into trabecular bone in response to direct bone-on-bone contact wear in patients with severe knee osteoarthritis. *21st European Cells and Materials Conference: Bone and Fracture Repair*, Davos, Switzerland, 10.-12.07.2023.
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56. **Kraus M, Illner J, Audigé L and Scheibel M.** Inakzeptabel hohe Lockerungs- und Revisionsrate nach anatomischer Schultertotalendoprothese mit zementierter pegged Polyethylen-Glenoidkomponente. *swiss orthopaedics 83. Jahreskongress*, St Gallen, Schweiz, 21.-23.06.2023.
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60. **Kraus M, Illner J, Warnhoff M, Brunner M and Scheibel M.** Komplikationen und Revisionen nach anatomischer TEP mit metal-back Glenoiden - ein klinischer und radiologischer Vergleich von Kalottensatz vs. Schaftendoprothese. *40. Kongress der Gesellschaft für Arthroskopie und Gelenkchirurgie (AGA)*, Berlin, Deutschland, 14.-16.09.2023.
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62. **Leunig M.** Mid-term results of autologous matrix-induced chondrogenesis (AMIC) used for large chondral defects in FAI hips. *International Hip Society (IHS) Closed Meeting*, Boston, USA, 17.-20.05.2023.

63. **Longhino V, Friederichsen P and Rippstein P.** Clinical outcome of the isolated excision of symptomatic accessory navicular bone in a large series at a single institution. *swiss orthopaedics 83. Jahreskongress*, St Gallen, Switzerland, 21.-23.06.2023.
64. **Marks M, Neumeister S, Boeckstyns M, Tang JB, Farnebo S, Hagert E, Lluch A, Chung K, Schweizer A, Verstreken F and Herren DB.** Current trends in thumb CMC revision surgery: results of a worldwide Delphi study. *28th Congress of the Federation of European Societies for Surgery of the Hand (FESSH) & European Federation of Societies for Hand Therapy (EFSHT)*, Rimini, Italy, 10.-13.05.2023.
65. **Mariaux F, Frangi J, Croci-Maspoli I, Nussbaumer M and Mannion AF.** Can the physiotherapist successfully identify "yellow flags" in patients with spinal disorders? *Eurospine, the Spine Society of Europe*, Frankfurt, Germany, 04.-06.10.2023.
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68. **Menzel K, Dekena J, Moroder P, Akgün D, Thiele K, Karpinski K and Lacheta L.** Association of alcohol consumption and rotator cuff repair failure: a case control matched cohort study. *28. Jahreskongress der D-A-CH Vereinigung für Schulter- und Ellenbogenchirurgie (DVSE) e.V.*, Hamburg, Germany, 29.06.-01.07.2023.
69. **Minkus M, Akgün D, Thiele K, Karpinski K and Moroder P.** Bankart-Plus zur Behandlung von Patienten mit anteriorer Schulterinstabilität und kleinen bis moderaten Glenoiddefekten. *Deutscher Kongress für Orthopädie und Unfallchirurgie (DKOU) 2023*, Berlin, Deutschland, 24.-27.10.2023.
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71. **Moroder P, Rüttershoff K, Spagna G, Coifman I, Siegert P, Scaini A, Scheibel M, Weber B, Schneller T and Audigé L.** The influence of posture on the clinical outcome after reverse total shoulder arthroplasty. *swiss orthopaedics 83. Jahreskongress*, St Gallen, Switzerland, 21.-23.06.2023.
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74. **Nakarai H, Cina A, Grob A, Wilke HJ, Fekete T, Haschtmann D, Kleinstück F, Costa F, Galbusera F and Loibl M.** Is the automated measurement algorithm of radiological parameters in cervical spine radiographs comparable to human raters? *Eurospine, the Spine Society of Europe*, Frankfurt, Germany, 04.-06.10.2023.
75. **Paksoy A, Akgün D, Moroder P, Scheibel M and Minkus M.** Positionierung der Skapula und Klavikula bei akuten AC-Gelenksdislokationen: hängende Skapula oder elevierte distale Klavikula? *28. Jahreskongress der D-A-CH Vereinigung für Schulter- und Ellenbogenchirurgie (DVSE) e.V.*, Hamburg, Deutschland, 29.06.-01.07.2023.

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77. **Paksoy A, Karpinski K, Akgün D, Gebauer H and Moroder P.** Das Glenoid Globe Track Konzept. *40. Kongress der Gesellschaft für Arthroskopie und Gelenkchirurgie (AGA)*, Berlin, Deutschland, 14.-16.09.2023.
78. **Pawelke J, Eckl L, Gebauer H, Paksoy A, Lacheta L, Moroder P and Akgün D.** Vergleichbare klinische Ergebnisse nach konservativer und arthroskopisch assistierter Versorgung akuter Rockwood V Verletzungen: eine gepaarte Fall-Kontroll-Studie. *28. Jahreskongress der D-A-CH Vereinigung für Schulter- und Ellenbogenchirurgie (DVSE) e.V.*, Hamburg, Deutschland, 29.06.-01.07.2023.
79. **Reischenböck V, Herren DB, Imhof J, Marks M and Schindele S.** Can we correct hyperextension of the MCP joint with thumb CMC implant arthroplasty? *Schweizerischen Gesellschaft für Handchirurgie (SGH)/Schweizerischen Gesellschaft für Handrehabilitation (SGHR)-Kongress 2023*, Interlaken, Switzerland, 23.-24.09.2023.
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81. **Reischenböck V, Marks M, Neumeister S, Schindele S and Herren DB.** 2-year outcomes of thumb carpometacarpal implant arthroplasty. *28th Congress of the Federation of European Societies for Surgery of the Hand (FESSH) & European Federation of Societies for Hand Therapy (EFSHT)*, Rimini, Italy, 10.-13.05.2023.
82. **Reischenböck V, Neumeister S, Marks M, Herren DB and Schindele S.** PIP surface replacement for post-traumatic osteoarthritis: are the outcomes similar to patients with degenerative osteoarthritis? *28th Congress of the Federation of European Societies for Surgery of the Hand (FESSH) & European Federation of Societies for Hand Therapy (EFSHT)*, Rimini, Italy, 10.-13.05.2023.
83. **Runer A, Ossendorff R, Stadelmann V, Schneider S, Preiss S, Salzmann G and Hax J.** One-step autologous minced cartilage procedure for the treatment of knee joint chondral and osteochondral lesions: 5-year findings among 28 subjects. *39. Kongress der Gesellschaft für Arthroskopie und Gelenkchirurgie (AGA)*, Berlin, Germany, 14.-16.09.2023.
84. **Rutishauser T, Stephan A, Rippstein P and Stadelmann V.** Patient reported outcome measures after dorsal closing wedge calcaneal osteotomy and removal of Haglund exostosis via central tendon splitting approach in patients with Haglund exostosis associated heel pain. *swiss orthopaedics 83. Jahreskongress*, St. Gallen, Switzerland, 21.-23.06.2023.
85. **Schindele S, Marks M, Neumeister S and Herren DB.** Is PIP surface replacement recommended in patients with severe preoperative longitudinal joint axis deviation? *28th Congress of the Federation of European Societies for Surgery of the Hand (FESSH) & European Federation of Societies for Hand Therapy (EFSHT)*, Rimini, Italy, 10.-13.05.2023.
86. **Schulz E, Diepold J, Wierer G, Auffarth A, Resch H, Habermeyer P, Tauber M and Moroder P.** J-Span versus Latarjet zur Behandlung vorderer Schulterinstabilitäten mit knöchernem Glenoiddefekt: 5-Jahresergebnisse einer prospektiven randomisierten Vergleichsstudie. *28. Jahreskongress der D-A-CH Vereinigung für Schulter- und Ellenbogenchirurgie (DVSE) e.V.*, Hamburg, Deutschland, 29.06.-01.07.2023.
87. **Siebert P, Meraner D, Pokorny-Olsen A, Akgün D, Korn G, Albrecht C, Hofstätter JG and Moroder P.** Praktische Überlegungen zur Bestimmung der Skapula-Innenrotation und ihre Bedeutung in der inversen Schulterendoprothetik. *28. Jahreskongress der D-A-CH Vereinigung für Schulter- und Ellenbogenchirurgie (DVSE) e.V.*, Hamburg, Deutschland, 29.06.-01.07.2023.

88. **Stadelmann V, Gerossier E, Kettenberger U and Pioletti D.** Combining systemic and local osteoporosis treatments: first results in rodents. *Interdisciplinary Research Society for Bone and Joint Injectable Biomaterials (GRIBOI) Conference 2023*, Solothurn, Switzerland, 16.-17.10.2023.
89. **Startseva X, Herren DB, Marks M and Schindele S.** Is PIP surface replacement recommended in patients with severe longitudinal joint axis deviation? *Schweizerischen Gesellschaft für Handchirurgie (SGH)/Schweizerischen Gesellschaft für Handrehabilitation (SGHR)-Kongress 2023*, Interlaken, Switzerland, 23.-24.09.2023.
90. **Startseva X, Marks M, Neumeister S, Schindele S and Herren DB.** Thumb carpometacarpal implant arthroplasty: the fast track back to work. *28th Congress of the Federation of European Societies for Surgery of the Hand (FESSH) & European Federation of Societies for Hand Therapy (EFSHT)*, Rimini, Italy, 10.-13.05.2023.
91. **Stojanov T, Aghlmandi S, Müller AM, Scheibel M, Flury M and Audigé L.** Development and validation of a model predicting patient reported shoulder function after arthroscopic rotator cuff repair in a Swiss setting. *swiss orthopaedics 83. Jahreskongress*, St Gallen, Switzerland, 21.-23.06.2023.
92. **Stojanov T, Aghlmandi S, Müller AM, Scheibel M, Flury M and Audigé L.** Entwicklung und Validierung eines Vorhersagemodells der Schulterfunktion nach arthroskopischer Rotatorenmanschetten Rekonstruktion. *28. Jahreskongress der D-A-CH Vereinigung für Schulter- und Ellenbogenchirurgie (DVSE) e.V.*, Hamburg, Deutschland, 29.06.-01.07.2023.
93. **Stojanov T, Audigé L, Aghlmandi S, ARCR_Pred Study Group and Müller AM.** Basisdaten der ARCR_Pred Kohortenstudie: die schweizweite Multizentrische Kohorte zur Bewertung und Vorhersage der wichtigsten Ergebnisse nach arthroskopischer Rotatorenmanschettenrekonstruktion. *28. Jahreskongress der D-A-CH Vereinigung für Schulter- und Ellenbogenchirurgie (DVSE) e.V.*, Hamburg, Deutschland, 29.06.-01.07.2023.
94. **Stojanov T, Audigé L, Aghlmandi S, Moroder P, ARCR_Pred Study Group and Müller AM.** Development and validation of a model predicting post-operative shoulder stiffness by patients undergoing an arthroscopic rotator cuff repair in Switzerland. *swiss orthopaedics 83. Jahreskongress*, St Gallen, Switzerland, 21.-23.06.2023.
95. **Trefzer R, Diermayr S, Etter M, de Jong M, Wehrli M, Audigé L, Scheibel M and Freisleder F.** Subpektorale Bizepsnodese mit Endobutton-Fixierung bei jungen Patienten - welche Technik funktioniert am besten? *40. Kongress der Gesellschaft für Arthroskopie und Gelenkchirurgie (AGA)*, Berlin, Deutschland, 14.-16.09.2023.
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97. **Vetter P, Eckl L, Bellmann F, Audigé L and Scheibel M.** Die "Circle"-Methode detektiert schlechtere klinische Resultate nach arthroskopisch-assistierter Akromioklavikulargelenks-Rekonstruktion. *40. Kongress der Gesellschaft für Arthroskopie und Gelenkchirurgie (AGA)*, Berlin, Deutschland, 14.-16.09.2023.
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101. **Vetter P, Eckl L, Bellmann F, Audigé L and Scheibel M.** Klavikuläre Bohrkanalerweiterung bei chronischen Akromioklavikulargelenks-Sprengungen nach primärer und Revisionsoperation mittels arthroskopisch-assistierter akromio- und korakoklavikulärer Stabilisation. 28. *Jahreskongress der D-A-CH Vereinigung für Schulter- und Ellenbogenchirurgie (DVSE) e.V.*, Hamburg, Deutschland, 29.06.-01.07.2023.
102. **Wiethölter M, Plachel F, Akgün D, Becker LA, Braun K, Minkus M, Thiele K, Karcewski D, Stöckle U and Moroder P.** Analyse der Intra- und Inter-Rater-Reliabilität der etablierten Klassifikationssysteme und Behandlungsstrategien für periprothetische Frakturen des Schultergelenkes. 28. *Jahreskongress der D-A-CH Vereinigung für Schulter- und Ellenbogenchirurgie (DVSE) e.V.*, Hamburg, Deutschland, 29.06.-01.07.2023.

Masterarbeiten

1. **Aeschlimann M.** Correlation of compartmental acoustic emission features of the knee with tibial bone microstructure and cartilage morphology (Master of Science). Zurich, Switzerland: Swiss Federal Institute of Technology (ETH), 2023. Supervisor: Stadelmann VA.
2. **Chéhab J.** Exercise therapy in patients with femoroacetabular impingement syndrome (Master of Science in Physiotherapy). Winterthur, Switzerland: Zurich University of Applied Sciences (ZHAW), 2023. Supervisor: List R.
3. **Gereduz L.** Effects of soccer match-play on muscle strength, physical performance and perceptual responses in elite female players (Master of Science). Lyon, France: University of Lyon, 2023. Supervisor: Maffiuletti NA.
4. **Keiser M.** Characterizing the changes in subchondral bone microstructure of tibial plateaus in areas of direct bone contact in severe osteoarthritis (Master of Science). Zurich, Switzerland: Swiss Federal Institute of Technology (ETH), 2023. Supervisor: Stadelmann VA.
5. **Liechti F.** Effect of sex, step length and speed on lower extremity muscle activity during the static lunge exercise (Master of Science). Zurich, Switzerland: Swiss Federal Institute of Technology (ETH), 2023. Supervisor: Maffiuletti NA.
6. **Neuweiler R.** Influence of different speed and step length conditions on the kinematics and kinetics of the static lunge (Master of Science). Zurich, Switzerland: Swiss Federal Institute of Technology (ETH), 2023. Supervisor: List R.
7. **Reichmann F.** Prevalence, incidence, severity, and risk factors of hip and groin problems in Swiss female soccer players: a full-season prospective cohort study (Master of Science in Physiotherapy). Winterthur, Switzerland: Zurich University of Applied Sciences (ZHAW), 2023. Supervisor: Bizzini M.
8. **Schnidrig S.** Influence of foot position on whole body kinematics in the golf swing (Master of Science). Zurich, Switzerland: Swiss Federal Institute of Technology (ETH), 2023. Supervisor: List R.
9. **Stadelmann D.** Hip and groin problems in female team-sport athletes: a cross-sectional study (Master of Science in Physiotherapy). Winterthur, Switzerland: Zurich University of Applied Sciences (ZHAW), 2023. Supervisor: Bizzini M.
10. **Zurbruggen L.** The effect of mechanical loading on knee acoustic emissions in osteoarthritic patients and healthy controls (Master of Science). Zurich, Switzerland: Swiss Federal Institute of Technology (ETH), 2023. Supervisor: Stadelmann VA.

*Peer-reviewed: Qualitätsprüfung einer wissenschaftlichen Arbeit durch unabhängige Fachleute