

Publikationsverzeichnis Jahresbericht 2021

Originalarbeiten (In „Peer-Reviewed“-Zeitschriften)

1. **Acevedo L, Iselin L, Berkelaar MHM, Salzmann GM, Wolf F, Feliciano S, Vogel N, Pagenstert G, Martin I, Pelttari K, Barbero A and Arnold MP.** Comparison of human articular cartilage tissue and chondrocytes isolated from peripheral versus central regions of traumatic lesions. *Cartilage* 13: 68S-81S, 2021.
2. **Aichmair A, Sutter R, Dietrich TJ, Dora C and Zingg PO.** Magnetic resonance arthrographic findings after hip labrum resection versus refixation. *Orthopedics* 44: e607-e613, 2021.
3. **Ajdacic-Gross V, Steinemann N, Horváth G, Rodgers S, Kaufmann M, Xu Y, Kamm C, Kesselring J, Manjaly ZM, Zecca C, Calabrese P, Puhan MA and von Wyl V.** Onset symptom clusters in multiple sclerosis: characteristics, comorbidities, and risk factors. *Front Neurol* 12: 693440, 2021.
4. **Audigé L, Aghlmandi S, Grobet C, Stojanov T, Müller AM, Felsch Q, Gleich J, Flury M and Scheibel M.** Prediction of shoulder stiffness after arthroscopic rotator cuff repair. *Am J Sports Med* 49: 3030-3039, 2021.
5. **Audigé L, Brorson S, Durchholz H, Lambert S, Moro F and Joeris A.** Core set of unfavorable events of proximal humerus fracture treatment defined by an international Delphi consensus process. *BMC Musculoskelet Disord* 22: 1002, 2021.
6. **Behm P, Marks M, Ferguson SJ, Brodbeck M and Herren DB.** Intraoperative load tolerance of the thumb carpometacarpal joint after resection-suspension-interposition arthroplasty. *J Hand Surg Global Online* (Epub ahead of print) DOI: 10.1016/j.jhsg.2021.10.005, 2021.
7. **Bellut D, Mannion AF, Burkhardt JK, Mutter U, Porchet F and Richter A.** The effect of depressive symptoms and blood plasma cortisol on pain and quality of life after single segment lumbar fusion surgery. *Clinical Psychiatry* 7: 1-8, 2021.
8. **Beppi C, Beringer G, Straumann D and Bögli SY.** Light-stimulus intensity modulates startle reflex habituation in larval zebrafish. *Sci Rep* 11: 22410, 2021.
9. **Beppi C, Straumann D and Bögli SY.** A model-based quantification of startle reflex habituation in larval zebrafish. *Sci Rep* 11: 846, 2021.
10. **Bertolini G, Romano F, Straumann D, Keller K, Palla A and Feddermann-Demont N.** Measuring optokinetic after-nystagmus: potential for detecting patients with signs of visual dependence following concussion. *J Neurol* 268: 1747-1761, 2021.
11. **Biehl M, Damm P, Trepczynski A, Preiss S and Salzmann GM.** Towards planning of osteotomy around the knee with quantitative inclusion of the adduction moment: a biomechanical approach. *J Exp Orthop* 8: 39, 2021.
12. **Blümel S, Stadelmann VA, Brioschi M, Küffer A, Leunig M and Rüdiger HA.** The trochanteric double contour is a valuable landmark for assessing femoral offset underestimation on standard radiographs: a retrospective study. *BMC Musculoskelet Disord* 22: 310, 2021.
13. **Boehm E, Minkus M, Moroder P and Scheibel M.** Arthroscopic iliac crest bone grafting in recurrent anterior shoulder instability: minimum 5-year clinical and radiologic follow-up. *Knee Surgery, Sports Traumatology, Arthroscopy* 29: 266-274, 2021.
14. **Boffa A, Merli G, Andriolo L, Lattermann C, Salzmann GM and Filardo G.** Synovial fluid biomarkers in knee osteoarthritis: a systematic review and quantitative evaluation using BIPEDs criteria. *Cartilage* 13: 82S-103S, 2021.
15. **Bourghli A, Boissière L, Kieser D, Larrieu D, Pizones J, Alanay A, Pellisé F, Kleinstück F and Obeid I.** Multiple-rod constructs do not reduce pseudarthrosis and rod fracture after pedicle subtraction osteotomy for adult spinal deformity correction but improve quality of life. *Neurospine* (Epub ahead of print) DOI: 10.14245/ns.2142596.298, 2021.
16. **Brunner R, Bizzini M, Maffioletti NA and Niedermann K.** Perceived barriers to and facilitators of an injury prevention program among professional male ice hockey players and staff members. *J Sport Rehabil* 30: 1080-1087, 2021.

17. **Burch MA, Keshishian A, Wittmann C, Nehrbass D, Styger U, Muthukrishnan G, Arens D, Stadelmann VA, Richards RG, Moriarty TF and Thompson K.** The non-steroidal anti-inflammatory drug carprofen negatively impacts new bone formation and antibiotic efficacy in a rat model of orthopaedic-device-related infection. *Eur Cell Mater* 41: 739-755, 2021.
18. **Cawley DT, Boissière L, Yilgor C, Larrieu D, Fujishiro T, Kieser D, Alanay A, Kleinstück F, Pérez-Grueso FS, Pellisé F, Obeid I and European Spine Study Group (ESSG).** Relative pelvic version displays persistent compensatory measures with normalised sagittal vertical axis after deformity correction. *Spine Deform* 9: 1449-1456, 2021.
19. **Cawley DT, Takemoto M, Boissière L, Larrieu D, Kieser DC, Fujishiro T, Hayashi K, Bourghli A, Yilgor C, Alanay A, Pérez Grueso FJ, Pellisé F, Kleinstück F, Vital JM, Obeid I and European Spine Study Group (ESSG).** The impact of corrective surgery on health-related quality of life subclasses in adult scoliosis: will degree of correction prognosticate degree of improvement? *Eur Spine J* 30: 2033-2039, 2021.
20. **Cornelius CP, Stiebler T, Mayer P, Smolka W, Kunz C, Hammer B, Jaquíery CC, Buitrago-Téllez C, Leiggenger CS, Metzger MC, Wilde F, Audigé L, Probst M, Strong EB, Castelletti N, Prein J and Probst FA.** Prediction of surface area size in orbital floor and medial orbital wall fractures based on topographical subregions. *J Craniomaxillofac Surg* 49: 598-612, 2021.
21. **De Pieri E, Atzori F, Ferguson SJ, Dendorfer S, Leunig M and Aepli M.** Contact force path in total hip arthroplasty: effect of cup medialisation in a whole-body simulation. *Hip Int* 31: 624-631, 2021.
22. **De Pieri E, Friesenbichler B, List R, Monn S, Casartelli NC, Leunig M and Ferguson SJ.** Subject-specific modeling of femoral torsion influences the prediction of hip loading during gait in asymptomatic adults. *Front Bioeng Biotechnol* 9: 679360, 2021.
23. **Donghi F, Rampinini E, Bosio A, Fanchini M, Carlomagno D and Maffiuletti NA.** Morning priming exercise strategy to enhance afternoon performance in young elite soccer players. *Int J Sports Physiol Perform* 16: 407-414, 2021.
24. **Edouard P, Hollander K, Navarro L, Lacourpaille L, Morales-Artacho AJ, Hanon C, Morin JB, Le Garrec S, Branco P, Junge A and Guilhem G.** Lower limb muscle injury location shift from posterior lower leg to hamstring muscles with increasing discipline-related running velocity in international athletics championships. *J Sci Med Sport* 24: 653-659, 2021.
25. **Edouard P, Navarro L, Pruvost J, Branco P and Junge A.** In-competition injuries and performance success in combined events during major international athletics championships. *J Sci Med Sport* 24: 152-158, 2021.
26. **Endell D, Audigé L, Grob A, Schwyzer H-K, Glanzmann M, Marzel A and Scheibel M.** Impact of sports activity on medium-term clinical and radiological outcome after reverse shoulder arthroplasty in cuff deficient arthropathy: an institutional register-based analysis. *J Clin Med* 10: 828, 2021.
27. **Espeit L, Rozand V, Millet GY, Gondin J, Maffiuletti NA and Lapole T.** Influence of wide-pulse neuromuscular electrical stimulation frequency and superimposed tendon vibration on occurrence and magnitude of extra torque. *J Appl Physiol (1985)* 131: 302-312, 2021.
28. **Frässle S, Manjaly ZM, Do CT, Kasper L, Pruessmann KP and Stephan KE.** Whole-brain estimates of directed connectivity for human connectomics. *Neuroimage* 225: 117491, 2021.
29. **Freisleder F, Toft F, Audigé L, Marzel A, Endell D and Scheibel M.** Lateralized vs classic Grammont style reverse shoulder arthroplasty for cuff deficiency Hamada stage 1-3 - does the design make a difference? *J Shoulder Elbow Surg* (Epub ahead of print) DOI: 10.1016/j.jse.2021.07.022, 2021.
30. **Gasteiger L, Tauber H, Velik-Salchner C, Thoma M, Fantin R, Pustilnik V, Neururer S, Keller C and Moser B.** Guided vs. non-guided insertion of Ambu AuraGain™ in edentulous patients. *Anaesthesist* 70: 761-767, 2021.
31. **Ge X, Frank-Bertoncelj M, Klein K, McGovern A, Kuret T, Houtman M, Burja B, Micheroli R, Shi C, Marks M, Filer A, Buckley CD, Orozco G, Distler O, Morris AP, Martin P, Eyre S and Ospelt C.** Functional genomics atlas of synovial fibroblasts defining rheumatoid arthritis heritability. *Genome Biol* 22: 39, 2021.

32. **Grob A, Freisleder F, Marzel A, Audigé L, Schwyzer HK and Scheibel M.** Glenoid component loosening in anatomic total shoulder arthroplasty: association between radiological predictors and clinical parameters-an observational study. *J Clin Med* 10: 234, 2021.
33. **Grobet C, Glanzmann M, Eichler K, Rickenbacher D, Meier F, Brunner B and Audigé L.** Cost-utility analysis of total shoulder arthroplasty: a prospective health economic study using real-world data. *J Shoulder Elbow Surg* 30: 1998-2006, 2021.
34. **Gygli J, Romano F, Bockisch CJ, Feddermann-Demont N, Straumann D and Bertolini G.** Effect of the stimulus duration on the adaptation of the optokinetic afternystagmus. *Front Neurol* 12: 518133, 2021.
35. **Haller TV, Dora C, Schenk P and Zingg PO.** Occult periprosthetic fractures of the acetabulum in THA using an elliptical cup design have no adverse impact on outcome. *Acta Orthop Belg* 87: 299-304, 2021.
36. **Hämmig O and Vetsch A.** Stress-buffering and health-protective effect of job autonomy, good working climate, and social support at work among health care workers in Switzerland. *J Occup Environ Med* 63: e918-e924, 2021.
37. **Helder O, Marks M, Schweizer A, Herren DB and Schindele S.** Complications after surface replacing and silicone PIP arthroplasty: an analysis of 703 implants. *Arch Orthop Trauma Surg* 141: 173-181, 2021.
38. **Herren DB, Fuchs N, Schindele S and Marks M.** Outcomes and recommendations for revision of thumb carpometacarpal resection arthroplasty. *J Hand Surg Eur Vol* 46: 1101-1107, 2021.
39. **Hickmann AK, Bratelj D, Pirvu T, Loibl M, Mannion AF, O'Riordan D, Fekete T, Jeszenszky D, Eberhard N, Vogt M, Achermann Y and Haschtmann D.** Management and outcome of spinal implant-associated surgical site infections in patients with posterior instrumentation: analysis of 176 cases. *Eur Spine J* (Epub ahead of print) DOI: 10.1007/s00586-021-06978-y 2021.
40. **Ho MJ, Held U, Steigmiller K, Manoliu A, Schiller A, Hinzpeter R, Lanz C, Martinoli C, Jung HH and Petersen JA.** Comparison of electrodiagnosis, neurosonography and MR neurography in localization of ulnar neuropathy at the elbow. *J Neuroradiol* (Epub ahead of print) DOI: 10.1016/j.neurad.2021.05.004, 2021.
41. **Hofer CK, Wendel Garcia PD, Heim C and Ganter MT.** Analysis of anaesthesia services to calculate national need and supply of anaesthetics in Switzerland during the COVID-19 pandemic. *PLoS One* 16: e0248997, 2021.
42. **Hohmann E, Glatt V, Tetsworth K, Alentorn-Geli E, Bak K, Beitzel K, Bøe B, Calvo E, Di Giacomo G, Favard L, Franceschi F, Funk L, Glanzmann M, Imhoff A, Lädermann A, Levy O, Ludvigsen T, Milano G, Moroder P, Rosso C, Siebenlist S, Abrams J, Arciero R, Athwal G, Burks R, Gillespie R, Kibler B, Levine W, Mazzocca A, Millett P, Ryu R, Safran M, Sanchez-Sotelo J, Savoie FB, Sethi P, Shea K, Verma N, Warner JJ, Weber S and Wolf B.** Subacromial decompression in patients with shoulder impingement with an intact rotator cuff: an expert consensus statement using the modified Delphi Technique comparing North American to European shoulder surgeons. *Arthroscopy* (Epub ahead of print) DOI: 10.1016/j.arthro.2021.09.031, 2021.
43. **Hollander K, Klöwer M, Richardson A, Navarro L, Racinais S, Scheer V, Murray A, Branco P, Timpka T, Junge A and Edouard P.** Apparent temperature and heat-related illnesses during international athletic championships: a prospective cohort study. *Scand J Med Sci Sports* 31: 2092-2102, 2021.
44. **Holzer EM, Aghayev E, O'Riordan D, Fekete TF, Jeszenszky DJ, Haschtmann D, Porchet F, Kleinstück FS, Pigott T, Munting E, Luca A and Mannion AF.** Validation of a surgical invasiveness index in patients with lumbar spinal disorders registered in the Spine Tango registry. *Eur Spine J* 30: 1-12, 2021.
45. **Hosseini Nasab SH, Smith CR, Postolka B, Schütz P, List R and Taylor WR.** In vivo elongation patterns of the collateral ligaments in healthy knees during functional activities. *J Bone Joint Surg Am* 103: 1620-1627, 2021.
46. **Hovaguimian F, Günthard HF, Hauser C, Conen A, Bernasconi E, Calmy A, Cavassini M, Seneghini M, Marzel A, Heinrich H, Scherrer A, Riou J, Spoerri A, Schmidlin K, Balakrishna S, Braun DL, Rampini SK, Fehr JS and Kouyos RD.** Data linkage to evaluate the long-term risk of HIV infection in individuals seeking post-exposure prophylaxis. *Nat Commun* 12: 1219, 2021.

47. **Imiölczyk JP, Moroder P and Scheibel M.** Fracture-specific and conventional stem designs in reverse shoulder arthroplasty for acute proximal humerus fractures - a retrospective, observational study. *J Clin Med* 10: 75, 2021.
48. **Kieser DC, Boissière L, Bourghli A, Hayashi K, Cawley D, Yilgor C, Alanay A, Acarođlu E, Kleinstück F, Pizones J, Pellisé F, Pérez-Grueso FJS, Obeid I and European Spine Study Group (ESSG).** Obeid-coronal malalignment classification is age related and independently associated to personal reported outcome measurement scores in the nonfused spine. *Neurospine* 18: 475-480, 2021.
49. **Kleinstück FS, Fekete TF, Loibl M, Jeszenszky D, Haschtmann D, Porchet F and Mannion AF.** Patient-rated outcome after atlantoaxial (C1-C2) fusion: more than a decade of evaluation of 2-year outcomes in 126 patients. *Eur Spine J* 30: 3620-3630, 2021.
50. **Koller H, Ansoerge A, Hostettler IC, Koller J, Hitzl W, Hempfing A and Jeszenszky D.** Center of rotation analysis for thoracic and lumbar 3-column osteotomies in patients with sagittal plane spinal deformity: insights in geometrical changes can improve understanding of correction mechanics. *J Neurosurg Spine* (Epub ahead of print) DOI: 10.3171/2021.4.SPINE21118, 2021.
51. **Kramer A, Venegas-Carro M, Zange J, Sies W, Maffiuletti NA, Gruber M, Degens H, Moreno-Villanueva M and Mulder E.** Daily 30-min exposure to artificial gravity during 60 days of bed rest does not maintain aerobic exercise capacity but mitigates some deteriorations of muscle function: results from the AGBRESA RCT. *Eur J Appl Physiol* 121: 2015-2026, 2021.
52. **Krošel M, Gabathuler M, Maciukiewicz M, Moser L, Lee G, Marks M, Tomšič M, Distler O, Ospelt C and Klein K.** Individual functions of the histone acetyl transferases CBP and p300 in regulating the inflammatory response of synovial fibroblasts. *J Autoimmun* 123: 102709, 2021.
53. **Kusejko K, Auñón Á, Jost B, Natividad B, Strahm C, Thurnheer C, Pablo-Marcos D, Slama D, Scanferla G, Uckay I, Waldmann I, Esteban J, Lora-Tamayo J, Clauss M, Fernandez-Sampedro M, Wouthuyzen-Bakker M, Ferrari MC, Gassmann N, Sendi P, Jent P, Morand PC, Vijayvargiya P, Trebše R, Patel R, Kouyos RD, Corvec S, Kramer TS, Stadelmann VA and Achermann Y.** The impact of surgical strategy and rifampin on treatment outcome in Cutibacterium periprosthetic joint infections. *Clin Infect Dis* 72: e1064-e1073, 2021.
54. **Laaksonen T, Kosola J, Nietosvaara N, Puhakka J, Nietosvaara Y and Stenroos A.** Epidemiology, treatment, and treatment quality of overriding distal metaphyseal radial fractures in children and adolescents. *J Bone Joint Surg Am* (Epub ahead of print) DOI: 10.2106/JBJS.21.00850, 2021.
55. **Lang S, Fromming A, Walter N, Freigang V, Neumann C, Loibl M, Ehrenschwender M, Alt V and Rupp M.** Is there a difference in clinical features, microbiological epidemiology and effective empiric antimicrobial therapy comparing healthcare-associated and community-acquired vertebral osteomyelitis? *Antibiotics (Basel)* 10: 1410, 2021.
56. **Lang S, Neumann C, Fiedler L, Alt V, Loibl M and Kerschbaum M.** Does dynamic anterior plate fixation provide adequate stability for traumatic subaxial cervical spine fractures at mid-term follow-up? *J Clin Med* 10: 1185, 2021.
57. **Lang S, Neumann C, Schwaiger C, Voss A, Alt V, Loibl M and Kerschbaum M.** Radiological and mid- to long-term patient-reported outcome after stabilization of traumatic thoraco-lumbar spinal fractures using an expandable vertebral body replacement implant. *BMC Musculoskelet Disord* 22: 744, 2021.
58. **Larsen MN, Elbe AM, Madsen M, Madsen EE, Ørntoft C, Ryom K, Dvorak J and Krustrup P.** An 11-week school-based 'health education through football programme' improves health knowledge related to hygiene, nutrition, physical activity and well-being-and it's fun! A scaled-up, cluster-RCT with over 3000 Danish school children aged 10-12 years old. *Br J Sports Med* 55: 906-911, 2021.
59. **Layher F, Matziolis G, Kayhan LN, Bungartz M and Brinkmann O.** Minimally invasive internal fixation of femoral shaft fractures-a biomechanical study with a disruptive technique. *Life (Basel)* 11: 1254, 2021.
60. **Maffiuletti NA, Visscher R, De Col A and Sartorio A.** Differences in soleus H-reflex to M-wave ratio between obese and non-obese individuals. *Clin Biomech (Bristol, Avon)* 84: 105322, 2021.

61. **Manjaly ZM, Do CT, Heinzle J, Schöbi D, Kasper L, Pruessmann KP, Stephan KE and Frässle S.** Hemodynamic modeling of long-term aspirin effects on blood oxygenated level dependent responses at 7 Tesla in patients at cardiovascular risk. *Eur J Neurosci* 53: 1262-1278, 2021.
62. **Mannion AF, Mariaux F, Pittet V, Steiger F, Aepli M, Fekete TF, Jeszenszky D, O’Riordan D and Porchet F.** Association between the appropriateness of surgery, according to appropriate use criteria, and patient-rated outcomes after surgery for lumbar degenerative spondylolisthesis. *Eur Spine J* 30: 907-917, 2021.
63. **Marks M, Grobet C and Audigé L.** Validity, responsiveness and minimal important change of the EQ-5D-5L in patients after rotator cuff repair, shoulder arthroplasty or thumb carpometacarpal arthroplasty. *Qual Life Res* 30: 2973-2982, 2021.
64. **Marks M, Rickenbacher D, Audigé L and Glanzmann MC.** Patient-Rated Tennis Elbow Evaluation (PRTEE). *Z Orthop Unfall* 159: 391-396, 2021.
65. **Marzel A, Lappen S, Audigé L, Schwyzer H-K and Scheibel M.** Effects of radiological lateralization parameters on the functional outcome after bilateral reverse total shoulder arthroplasty (RTSA). *J Shoulder Elbow Surg* 30: e459, 2021.
66. **Mason J, Rahlf AL, Groll A, Wellmann K, Junge A and Zech A.** The interval between matches significantly influences injury risk in field hockey. *Int J Sports Med* (Epub ahead of print) DOI: 10.1055/a-1577-3451, 2021.
67. **Mason J, Wellmann K, Groll A, Braumann KM, Junge A, Hollander K and Zech A.** Game exposure, player characteristics, and neuromuscular performance influence injury risk in professional and youth field hockey players. *Orthop J Sports Med* 9: 2325967121995167, 2021.
68. **Mathes S, Fahrner A, Ghoshdastider U, Rüdiger HA, Leunig M, Wolfrum C and Krützfeldt J.** FGF-2-dependent signaling activated in aged human skeletal muscle promotes intramuscular adipogenesis. *Proc Natl Acad Sci USA* 118: e2021013118, 2021.
69. **Minkus M, Akgün D, Trampuz A, Scheibel M and Moroder P.** Microbiological analysis of cement spacers in two-stage revision arthroplasty for periprosthetic shoulder infection. *Obere Extremität* 16: 59-67, 2021.
70. **Minkus M, Königshausen M, Maier D, Mauch F, Stein T, Greiner S, Moursy M and Scheibel M.** Immobilization in external rotation and abduction versus arthroscopic stabilization after first-time anterior shoulder dislocation: a multicenter randomized controlled trial. *Am J Sports Med* 49: 857-865, 2021.
71. **Minkus M, Wieners G, Maziak N, Plachel F, Scheibel M and Kraus N.** The ligamentous injury pattern in acute acromioclavicular dislocations and its impact on clinical and radiographic parameters. *J Shoulder Elbow Surg* 30: 795-805, 2021.
72. **Minkus M, Wolke J, Akgün D and Scheibel M.** Mid-to long-term results of postoperative immobilization in internal vs. external rotation after arthroscopic anterior shoulder stabilization. *JSES Int* 5: 960-966, 2021.
73. **Minkwitz S, Thiele K, Schmock A, Bormann N, Nguyen TH, Moroder P, Scheibel M, Wildemann B, Plachel F and Klatte-Schulz F.** Histological and molecular features of the subacromial bursa of rotator cuff tears compared to non-tendon defects: a pilot study. *BMC Musculoskelet Disord* 22: 877, 2021.
74. **Mountjoy M, Junge A, Magnusson C, Shahpar FM, Ortiz Lizcano EI, Varvodic J, Wang X, Cherif MY, Hill L and Miller J.** Beneath the surface: mental health and harassment and abuse of athletes participating in the FINA (Aquatics) World Championships, 2019. *Clin J Sport Med* (Epub ahead of print) DOI: 10.1097/jsm.0000000000000971, 2021.
75. **Mountjoy M, Junge A, Slysz J and Miller J.** An uneven playing field: athlete injury, illness, load, and daily training environment in the year before the FINA (Aquatics) World Championships, 2017. *Clin J Sport Med* 31: e425-e431, 2021.
76. **Núñez-Pereira S, Serra-Burriel M, Vila-Casademunt A, Hayashi K, Haddad S, Pizones J, Kleinstück F, Obeid I, Alanay A, Pellisé F and European Spine Study Group (ESSG).** The dynamics of satisfaction in surgical and non-surgical adult spinal deformity patients. *Eur Spine J* 30: 1235-1246, 2021.

77. **Obid P, Fekete T, Drees P, Haschtmann D, Kleinstück F, Loibl M and Jeszenszky D.** Revision surgery for incomplete resection or recurrence of cervical spine chordoma: a consecutive case series of 24 patients. *Eur Spine J* 30: 2915-2924, 2021.
78. **Pellisé F, Serra-Burriel M, Vila-Casademunt A, Gum JL, Obeid I, Smith JS, Kleinstück FS, Bess S, Pizones J, Lafage V, Pérez-Grueso FJS, Schwab FJ, Burton DC, Klineberg EO, Shaffrey CI, Alanay A, Ames CP, International Spine Study Group (ISSG) and European Spine Study Group (ESSG).** Quality metrics in adult spinal deformity surgery over the last decade: a combined analysis of the largest prospective multicenter data sets. *J Neurosurg Spine* (Epub ahead of print) DOI: 10.3171/2021.3.SPINE202140 2021.
79. **Pfeifle J, Hasler D and Maffiuletti NA.** Should we use unilateral or bilateral tasks to assess maximal and explosive knee extensor strength in patients with knee osteoarthritis? A cross-sectional study. *J Clin Med* 10: 4353, 2021.
80. **Piga C, Maccario C, D'Ambrosi R, Romano F and Uselli FG.** Total ankle arthroplasty with valgus deformity. *Foot Ankle Int* 42: 867-876, 2021.
81. **Pirosa A, Tankus EB, Mainardi A, Occhetta P, Dönges L, Baum C, Rasponi M, Martin I and Barbero A.** Modeling in vitro osteoarthritis phenotypes in a vascularized bone model based on a bone-marrow derived mesenchymal cell line and endothelial cells. *Int J Mol Sci* 22: 9581, 2021.
82. **Pizones J, Pérez-Grueso FJS, Moreno-Manzanaro L, Escámez F, Yilgor C, Vila-Casademunt A, Fernández-Baillo N, Sánchez-Márquez JM, Obeid I, Kleinstück F, Alanay A, Pellisé F and European Spine Study Group (ESSG).** Compensatory mechanisms recruited against proximal junctional kyphosis by patients instrumented from the thoracolumbar junction to the iliac. *Eur Spine J* (Epub ahead of print) DOI: 10.1007/s00586-021-07042-5, 2021.
83. **Pomante A, Selen LPJ, Romano F, Bockisch CJ, Tarnutzer AA, Bertolini G and Medendorp WP.** Influence of panoramic cues during prolonged roll-tilt adaptation on the percept of vertical. *J Vestib Res* (Epub ahead of print) DOI: 10.3233/ves-210051, 2021.
84. **Pötter N, Westbrock F, Grad S, Alini M, Stoddart MJ, Schmal H, Kubosch D, Salzmann G and Kubosch EJ.** Evaluation of the influence of platelet-rich plasma (PRP), platelet lysate (PL) and mechanical loading on chondrogenesis in vitro. *Sci Rep* 11: 20188, 2021.
85. **Rabello R, Fröhlich M, Maffiuletti NA and Vaz MA.** Influence of pulse waveform and frequency on evoked torque, stimulation efficiency, and discomfort in healthy subjects. *Am J Phys Med Rehabil* 100: 161-167, 2021.
86. **Rampinini E, Donghi F, Martin M, Bosio A, Riggio M and Maffiuletti NA.** Impact of COVID-19 lockdown on Serie A soccer players' physical qualities. *Int J Sports Med* 42: 917-923, 2021.
87. **Reischenböck V, Marks M, Herren DB and Schindele S.** Surface replacing arthroplasty of the proximal interphalangeal joint using the CapFlex-PIP implant: a prospective study with 5-year outcomes. *J Hand Surg Eur Vol* 46: 496-503, 2021.
88. **Rodgers S, Calabrese P, Ajdacic-Gross V, Steinemann N, Kaufmann M, Salmen A, Manjaly ZM, Kesselring J, Kamm CP, Kuhle J, Chan A, Gobbi C, Zecca C, Müller S and von Wyl V.** Major depressive disorder subtypes and depression symptoms in multiple sclerosis: what is different compared to the general population? *J Psychosom Res* 144: 110402, 2021.
89. **Rodgers S, Manjaly ZM, Calabrese P, Steinemann N, Kaufmann M, Salmen A, Chan A, Kesselring J, Kamm CP, Kuhle J, Zecca C, Gobbi C, von Wyl V and Ajdacic-Gross V.** The effect of depression on health-related quality of life is mediated by fatigue in persons with multiple sclerosis. *Brain Sci* 11: 751, 2021.
90. **Schindele S, Marks M and Herren DB.** Thumb interphalangeal joint arthroplasty with a surface replacing implant: two-year results. *J Hand Surg* (Epub ahead of print) DOI: 10.1016/j.jhssa.2021.09.007, 2021.
91. **Siverino C, Freitag L, Arens D, Styger U, Richards RG, Moriarty TF, Stadelmann VA and Thompson K.** Titanium wear particles exacerbate S. epidermidis-induced implant-related osteolysis and decrease efficacy of antibiotic therapy. *Microorganisms* 9: 1945, 2021.
92. **Stadelmann VA, Boyd G, Guillot M, Bienvenu JG, Glaus C and Varela A.** Automatic quantification of atherosclerosis in contrast-enhanced microCT scans of mouse aortas ex vivo. *Int J Biomed Imaging* 2021: 4998786, 2021.

93. **Stephan A, Stadelmann VA, Leunig M and Impellizzeri FM.** Measurement properties of PROMIS short forms for pain and function in total hip arthroplasty patients. *J Patient Rep Outcomes* 5: 41, 2021.
94. **Tarnutzer AA, Weber KP, Bockisch CJ, Straumann D and Feddermann-Demont N.** Vestibular performance in high-level soccer and ice hockey players: sport-specific norm values and implications. *J Sci Med Sport* (Epub ahead of print) DOI: 10.1016/j.jsams.2021.08.003, 2022.
95. **Thompson K, Freitag L, Styger U, Camenisch K, Zeiter S, Arens D, Richards RG, Moriarty TF and Stadelmann VA.** Impact of low bone mass and antiresorptive therapy on antibiotic efficacy in a rat model of orthopedic device-related infection. *J Orthop Res* 39: 415-425, 2021.
96. **Vaz MA, Fröhlich M, Júnior D, Schildt A, Thomé PRO, Muller AF, Tondin BR, Sbruzzi G, Maffiuletti NA and Sanches PRS.** Development and reliability of a new system for bedside evaluation of non-volitional knee extension force. *Med Eng Phys* 98: 28-35, 2021.
97. **Ventura A, Romano F, Bizzini M, Palla A and Feddermann N.** Autonomic cardiovascular response during and after a graded exercise test in concussed athletes and healthy controls. *J Concussion* (Epub ahead of print) DOI: 10.1177/20597002211044879, 2021.
98. **Wettstein M, Mouhsine E, Aubaniac J-M, Audigé L, Ollivier M, Leyvraz P-F and Argenson J-N.** The torsion of the proximal femur in cementless total hip arthroplasty: a 3-dimensional evaluation. *Hip Int* (Epub ahead of print) DOI: 10.1177/11207000211037196: 1, 2021.
99. **Zehnder P, Held U, Pigott T, Luca A, Loibl M, Reitmeir R, Fekete T, Haschtmann D and Mannion AF.** Development of a model to predict the probability of incurring a complication during spine surgery. *Eur Spine J* 30: 1337-1354, 2021.

Reviews und andere Artikel

1. **Audigé L, Bucher HCC, Aghlmandi S, Stojanov T, Schwappach D, Hunziker S, Candrian C, Cunningham G, Durchholz H, Eid K, Flury M, Jost B, Läderrmann A, Moor BK, Moroder P, Rosso C, Schär M, Scheibel M, Spormann C, Suter T, Wieser K, Zumstein M, ARCR_Pred Study Group and Müller AM.** Swiss-wide multicentre evaluation and prediction of core outcomes in arthroscopic rotator cuff repair: protocol for the ARCR_Pred cohort study. *BMJ Open* 11: e045702, 2021.
2. **Baum C, Müller AM, Audigé L and Stojanov T.** Prognostische Faktoren der arthroskopischen Rotatorenmanschettenrekonstruktion. Was sagt uns die aktuelle Literatur? *Arthroskopie* 34: 179-184, 2021.
3. **Bel L, Mathieu N, Ducrest V and Bizzini M.** Lower limb exercise-based injury prevention programs are effective in improving sprint speed, jumping, agility and balance: an umbrella review. *Int J Sports Phys Ther* 16: 1396-1404, 2021.
4. **Bellmann F, Dittrich M, Wirth B, Freisleder F and Scheibel M.** Arthroscopically assisted stabilization of chronic acromioclavicular joint instability. *JBJS Essent Surg Tech* 11: e20.00033, 2021.
5. **Beppi C, Straumann D and Bögli SY.** Author correction: a model-based quantification of startle reflex habituation in larval zebrafish. *Sci Rep* 11: 8166, 2021.
6. **Biehl M, Damm P, Trepczynski A, Preiss S and Salzmänn GM.** Correction to: towards planning of osteotomy around the knee with quantitative inclusion of the adduction moment: a biomechanical approach. *J Exp Orthop* 8: 43, 2021.
7. **Bizzini M and Mathieu N.** It is Women & Sports at #sportfisio2021. *Br J Sports Med* 55: 461, 2021.
8. **Blazevich AJ, Collins DF, Millet GY, Vaz MA and Maffiuletti NA.** Enhancing adaptations to neuromuscular electrical stimulation training interventions. *Exerc Sport Sci Rev* 49: 244-252, 2021.
9. **Casartelli NC, Maffiuletti NA, Valenzuela PL, Grassi A, Ferrari E, van Buuren MMA, Nevitt MC, Leunig M and Agricola R.** Is hip morphology a risk factor for developing hip osteoarthritis? A systematic review with meta-analysis. *Osteoarthritis Cartilage* 29: 1252-1264, 2021.

10. **Casartelli NC, Valenzuela PL, Maffiuletti NA and Leunig M.** Effectiveness of hip arthroscopy on treatment of femoroacetabular impingement syndrome: a meta-analysis of randomized controlled trials. *Arthritis Care Res (Hoboken)* 73: 1140-1145, 2021.
11. **Collins J, Maughan RJ, Gleeson M, Bilsborough J, Jeukendrup A, Morton JP, Phillips SM, Armstrong L, Burke LM, Close GL, Duffield R, Larson-Meyer E, Louis J, Medina D, Meyer F, Rollo I, Sundgot-Borgen J, Wall BT, Boulosa B, Dupont G, Lizarraga A, Res P, Bizzini M, Castagna C, Cowie CM, D'Hooghe M, Geyer H, Meyer T, Papadimitriou N, Vouillamoz M and McCall A.** UEFA expert group statement on nutrition in elite football. Current evidence to inform practical recommendations and guide future research. *Br J Sports Med* 55: 416, 2021.
12. **Collins J, Maughan RJ, Gleeson M, Bilsborough J, Jeukendrup A, Morton JP, Phillips SM, Armstrong LE, Burke LM, Close GL, Duffield R, Larson-Meyer E, Louis J, Medina D, Meyer F, Rollo I, Sundgot-Borgen JK, Wall B, Boulosa B, Dupont G, Lizarraga A, Res P, Bizzini M, Castagna C, Cowie CM, D'Hooghe M, Geyer H, Meyer T, Papadimitiou N, Vouillamoz M and McCall A.** Infographic. UEFA expert group 2020 statement on nutrition in elite football. *Br J Sports Med* 55: 453-455, 2021.
13. **Condron NB, Kester BS, Tokish JM, Zumstein MA, Gobezie R, Scheibel M and Cole BJ.** Nonoperative and operative soft-tissue, cartilage, and bony regeneration and orthopaedic biologics of the shoulder: an Orthoregeneration Network (ON) foundation review. *Arthroscopy* 37: 3200-3218, 2021.
14. **D'Emanuele S, Maffiuletti NA, Tarperi C, Rainoldi A, Schena F and Boccia G.** Rate of force development as an indicator of neuromuscular fatigue: a scoping review. *Front Hum Neurosci* 15: 701916, 2021.
15. **Dvořák J and Pluim BM.** Injury and illness surveillance in sports: how golf, tennis, cycling and parasport extended the IOC consensus statement to tailor injury and illness surveillance to specific sports. *Br J Sports Med* 55: 6-7, 2021.
16. **Estermann L, Marks M and Schindele S.** Was bestimmt die Patientenzufriedenheit nach einem metakarpophalangealen Gelenkersatz bei Patienten mit Rheumatoider Arthritis? *Zeitschrift für Handtherapie* 01/2021: 42-45, 2021.
17. **Festbaum C, Danzinger V, Kibler W, Boileau P, Lambert S, Porcellini G, Gerhardt C, Scheibel M, Tauber M, Wellmann M, Adamczewski C, Vital-Schmid S and Moroder P.** Delphi survey on conventional conservative treatment of functional posterior shoulder instability. *Obere Extremität* 16: 54-58, 2021.
18. **Freisleder F.** Gipskeilung bei sekundär dislozierten Frakturen. *Pädiatrie* 02/2021: 15-20, 2021.
19. **Gkagkalis G, Moerenhout K, Rüdiger HA, Muller DA, Letovanec I and Cherix S.** Pelvic chondrosarcoma treated by en bloc resection with patient-specific osteotomy guides and reimplantation of the extracorporeally irradiated bone as an osseocartilaginous structural orthotopic autograft: a report of two cases with description of the surgical technique. *Case Rep Orthop* 2021: 5512143, 2021.
20. **Gojanovic B, Albertin K, Bizzini M, Clenin G, Flück JL, Mathieu N, Reber S and Scherler V.** Health4Sport: 13 safeguarding principles so that young athletes can thrive in multidisciplinary sporting environments. *Br J Sports Med* 55: 952-953, 2021.
21. **Herren DB.** Die Behandlung der Rhizarthrose ist differenzierter geworden. *Zeitschrift für Handtherapie* 02/2021: 6-13, 2021.
22. **Herren DB, Ishikawa H, Rizzo M, Ross M and Solomons M.** Arthroplasty in the hand: what works and what doesn't? *J Hand Surg Eur Vol* (Epub ahead of print) DOI: 10.1177/17531934211017703, 2021.
23. **Hollander K, Rahlf AL, Wilke J, Edler C, Steib S, Junge A and Zech A.** Sex-specific differences in running injuries: a systematic review with meta-analysis and meta-regression. *Sports Med* 51: 1011-1039, 2021.
24. **Joswig H, Surbeck W, Scholtes F, Bratelj D and Hildebrandt G.** The debate on apraxia and the supplementary motor area in the twentieth century. *Acta Neurochir (Wien)* 163: 1247-1255, 2021.

25. **Kalhor M, Gharehdaghi J, Leunig M, Ahmadloo J, Collado Gastalver D and Ganz R.** Surgical anatomy of the rectus-sparing approach for periacetabular osteotomy: a cadaveric study. *JBJS Essent Surg Tech* 11: e20.00030, 2021.
26. **Labèr R, Oyewale M and Herren DB.** Bioabsorbable poly-L/D-lactide (96/4) scaffold arthroplasty as a salvage procedure in the metacarpophalangeal joint. *Hand Surg Rehabil* (Epub ahead of print) DOI: 10.1016/j.hansur.2021.11.004, 2021.
27. **Lang S, Loibl M, Neumann C and Alt V.** [Use of video-assisted thoracoscopy in dorsoventral stabilization of osteodestructive pyogenic spondylodiscitis of the thoracic spine]. *Unfallchirurg* 124: 505-511, 2021.
28. **Lang S, Rupp M, Hanses F, Neumann C, Loibl M and Alt V.** [Infections of the spine: pyogenic spondylodiscitis and implant-associated vertebral osteomyelitis]. *Unfallchirurg* 124: 489-504, 2021.
29. **Leschinger T, Tischer T, Doepfer AK, Glanzmann M, Hackl M, Lehmann L, Müller L, Reuter S, Siebenlist S, Theermann R, Wörtler K and Banerjee M.** Epicondylopathia humeri radialis. *Z Orthop Unfall* (Epub ahead of print) DOI: 10.1055/a-1340-0931, 2021.
30. **Lorenz CJ, Freislederer F, Salzmann GM and Scheibel M.** Minced cartilage procedure for one-stage arthroscopic repair of chondral defects at the glenohumeral joint. *Arthrosc Tech* 10: e1677-e1684, 2021.
31. **Mannion AF, Fekete TF and Porchet F.** Letter to the editor re Reitman et al 2021. *Spine J* 21: 1952-1953, 2021.
32. **Mayor C.** Die postoperative Nachbehandlung nach Fingermittegelenk-Arthroplastik. *Zeitschrift für Handtherapie* 01/2021: 14-19, 2021.
33. **Minetto MA, Fior SD, Busso C, Caironi P, Massazza G, Maffiuletti NA and Gamna F.** Effects of neuromuscular electrical stimulation therapy on physical function in patients with COVID-19 associated pneumonia: study protocol of a randomized controlled trial. *Contemp Clin Trials Commun* 21: 100742, 2021.
34. **Mustaki L, Goetti P, Gallusser N, Morattel B, Rüdiger HA and Cherix S.** Unrecognized chondrosarcoma as a cause of total hip arthroplasty failure. *Arthroplast Today* 7: 84-90, 2021.
35. **Nooij SAE, Bockisch CJ, Bülthoff HH and Straumann D.** Beyond sensory conflict: the role of beliefs and perception in motion sickness. *PLoS One* 16: e0245295, 2021.
36. **Paterson C, Bizzini M, Van Cant J and Rambaud A.** Editorial. Registered International Sports Physical Therapist (RISPT): towards excellence in sports physiotherapy for the athlete. *Eur Rehab J* 1: 1-2, 2021.
37. **Pohl H, André C, Biethahn S, Emmenegger M, Flügel D, Jung HH, Kleinschmidt A, Palla A, Sandor P, Schankin C, Schmidt H, Sturzenegger M and Gantenbein AR.** [Smarter Medicine in Headache Care - presentation and discussion of 5 recommendations]. *Ther Umsch* 78: 341-348, 2021.
38. **Popp D, Weber J, Kerschbaum M, Schicho A, Baumann F, Hilber F, Krutsch W, Alt V and Pfeifer C.** Early functional treatment or trivialization? - current treatment strategies in lateral ligament injuries of the ankle. *Eur J Sport Sci* 21: 1469-1476, 2021.
39. **Rao L, Taylor WR, Horn N, List R, Preiss S and Schütz P.** Can tibio-femoral kinematic and kinetic parameters reveal poor functionality and underlying deficits after total knee replacement? A systematic review. *Knee* 34: 62-75, 2021.
40. **Reiman MP, Agricola R, Kemp JL, Heerey JJ, Weir A, van Klij P, Kassarian A, Mosler AB, Ageberg E, Hölmich P, Warholm KM, Griffin D, Mayes S, Khan KM, Crossley KM, Bizzini M, Bloom N, Casartelli NC, Diamond LE, Di Stasi S, Drew M, Friedman DJ, Freke M, Glyn-Jones S, Gojanovic B, Harris-Hayes M, Hunt MA, Impellizzeri FM, Ishøi L, Jones DM, King MG, Lawrenson PR, Leunig M, Lewis CL, Mathieu N, Moksnes H, Risberg MA, Scholes MJ, Semciw AI, Serner A, Thorborg K, Virgile A, Wörner T and Dijkstra HP.** Infographic. Consensus recommendations on the classification, definition and diagnostic criteria of hip-related pain in young and middle-aged active adults from the International Hip-related Pain Research Network, Zurich 2018. *Br J Sports Med* 55: 115-117, 2021.

41. **Roth KE, Klos K, Simons P, Ossendorff R, Drees P, Maier GS and Salzmänn GM.** [Cartilage chip transplantation for cartilage defects of the first metatarsophalangeal joint]. *Oper Orthop Traumatol* 33: 480-486, 2021.
42. **Roth KE, Ossendorff R, Klos K, Simons P, Drees P and Salzmänn GM.** Arthroscopic minced cartilage implantation for chondral lesions at the talus: a technical note. *Arthrosc Tech* 10: e1149-e1154, 2021.
43. **Rüdiger HA and Leunig M.** Letter to the editor on "The anatomical course of the lateral cutaneous nerve in relation to the various skin incisions used for primary and revision total hip arthroplasty with the direct anterior approach". *J Arthroplasty* 36: e18, 2021.
44. **Salzmänn GM, Ossendorff R, Gilat R and Cole BJ.** Autologous minced cartilage implantation for treatment of chondral and osteochondral lesions in the knee joint: an overview. *Cartilage* 13: 1124S-1136S, 2021.
45. **Schindele S.** Kunstgelenkersatz am Fingermittelegenk: Silikonprothese oder Oberflächenersatz mittels CapFlex-PIP? *Zeitschrift für Handtherapie* 01/2021: 6-13, 2021.
46. **Schneider S, Ossendorff R, Holz J and Salzmänn GM.** Arthroscopic minced cartilage implantation (MCI): a technical note. *Arthrosc Tech* 10: e97-e101, 2021.
47. **Schumann J, Salzmänn G, Leunig M and Rüdiger H.** Minced cartilage implantation for a cystic defect on the femoral head - technical note. *Arthrosc Tech* 10: e2331-e2336, 2021.
48. **Takla A, O'Donnell J, Voight M, Byrd T, Dienst M, Martin RR, Philippon MJ, Ensey K, Andrade T, Safran M, Christoforetti JJ, Martin H, Grant L, Campbell A, Ryan M, Tyler T, McGovern RP, Bizzini M and Kohlrieser D.** The 2019 International Society of Hip Preservation (ISHA) physiotherapy agreement on assessment and treatment of femoroacetabular impingement syndrome (FAIS): an international consensus statement. *J Hip Preserv Surg* 7: 631-642, 2021.
49. **Thornton JS, Dvořák J and Asif I.** Health education through football (soccer): the '11 for health' programme as a success story on implementation: learn, play and have fun! *Br J Sports Med* 55: 885-886, 2021.
50. **van Buuren MMA, Arden NK, Bierma-Zeinstra SMA, Bramer WM, Casartelli NC, Felson DT, Jones G, Lane NE, Lindner C, Maffiuletti NA, van Meurs JBJ, Nelson AE, Nevitt MC, Valenzuela PL, Verhaar JAN, Weinans H and Agricola R.** Statistical shape modeling of the hip and the association with hip osteoarthritis: a systematic review. *Osteoarthritis Cartilage* 29: 607-618, 2021.
51. **Weiß I, Preiss S, Manner H and Blümel S.** Dorsale Kapselaugmentation bei Genu recurvatum. Kombiniertes Vorgehen mit flektierender distaler Femurosteotomie bei ausgeprägtem symptomatischem Befund. *Arthroscopie* 34: 311-316, 2021.
52. **Zech A, Hollander K, Junge A, Steib S, Groll A, Heiner J, Nowak F, Pfeiffer D and Rahlf AL.** Sex differences in injury rates in team-sport athletes: a systematic review and meta-regression analysis. *J Sport Health Sci* (Epub ahead of print) DOI: 10.1016/j.jshs.2021.04.003, 2021.

Bücher

1. **Meyer RP, Brantschen B, Jeszenszky D and Lütcher A.** *Orthopäden und Wirbelsäulenchirurgen im kritischen Gespräch.* Stuttgart, Deutschland: Springer, 2021.
2. **Scheibel M and Brunner U.** *Expertise Orthopädie und Unfallchirurgie. Schulter.* Stuttgart, Deutschland: Thieme, 2021.
3. **Schindele S, Giddins G and Bellemère P.** *Arthroplasty in hand surgery: FESSH instructional course book 2020.* Stuttgart, Germany: Thieme, 2021.

Buchbeiträge

1. **Bizzini M.** Gehirnerschütterung bei einer Eishockeyspielerin. In: *Rehabilitation von Sportverletzungen. Sportreha-Fälle aus der evidenzbasierten Praxis*, edited by van Duijn A and Overberg JA. Stuttgart, Deutschland: Thieme, 2021, p. 33-46.

2. **Gerhardt C and Scheibel M.** Schultersteife. In: *Expertise Orthopädie und Unfallchirurgie. Schulter*, edited by Scheibel M and Brunner U. Stuttgart, Deutschland: Thieme, 2021, p. 346-355.
3. **Grob A, Freisleederer F, Schmid-Vital S and Scheibel M.** Skapulothorakale und thorakohumerale Pathologien. In: *Expertise Orthopädie und Unfallchirurgie. Schulter*, edited by Scheibel M and Brunner U. Stuttgart, Deutschland: Thieme, 2021, p. 452-469.
4. **Herren DB.** The treatment strategy in PIP arthroplasty. In: *Arthroplasty in Hand Surgery: FESSH Instructional Course Book 2020*, edited by Schindele S, Giddins G and Bellemère P. Stuttgart, Germany: Thieme, 2021, p. 109-116.
5. **Herren DB and Chung CK.** Rheumatoid arthritis and other inflammatory arthropathies. In: *Green's Operative Hand Surgery (8th ed.)*, edited by Wolfe S, Pederson W, Kozin S and Cohen M. USA: Elsevier, 2021, p. 2040-2104.
6. **Herren DB and Schindele S.** Revision/failed proximal interphalangeal joint arthroplasty. In: *Arthroplasty of the Upper Extremity*, edited by King GJW and Rizzo M. Cham, Switzerland: Springer Nature AG, 2021, p. 353-366.
7. **Kerschbaum M, Brunner U and Scheibel M.** Rotatorenmanschettenläsionen Massenrupturen. In: *Expertise Orthopädie und Unfallchirurgie. Schulter*, edited by Scheibel M and Brunner U. Stuttgart, Deutschland: Thieme, 2021, p. 304-318.
8. **Kraus N and Scheibel M.** Instabilitäten des Akromioklavikulargelenkes. In: *Expertise Orthopädie und Unfallchirurgie. Schulter*, edited by Scheibel M and Brunner U. Stuttgart, Deutschland: Thieme, 2021, p. 174-188.
9. **Krüger D and Scheibel M.** Frakturen von Glenoid und Skapula. In: *Expertise Orthopädie und Unfallchirurgie. Schulter*, edited by Scheibel M and Brunner U. Stuttgart, Deutschland: Thieme, 2021, p. 147-156.
10. **Leunig M and Ganz R.** Acetabular protrusion and surgical technique. In: *Hip arthroscopy and hip joint preservation surgery*, edited by Nho SJ, Asheesh B, Salata MJ, Mather III RC and Kelly BT. New York, USA: Springer, 2021, p. 1-7.
11. **Leunig M, Kamath AF, Azegami S and Ganz R.** Femoroacetabular impingement: definition, pathophysiology, etiology. In: *Hip arthroscopy and hip joint preservation surgery*, edited by Nho SJ, Asheesh B, Salata MJ, Mather III RC and Kelly BT. New York, USA: Springer, 2021, p. 1-9.
12. **Marks M.** Outcome measurement in hand and wrist arthroplasty. In: *Arthroplasty in hand surgery: FESSH instructional course book 2020*, edited by Schindele S, Giddins G and Bellemère P. Stuttgart, Germany: Thieme, 2021, p. 44-51.
13. **Meyer RP.** Rainer-Peter Meyer im Interview. In: *Orthopäden und Wirbelsäulenchirurgen im kritischen Gespräch*, edited by Meyer RP, Brantschen B, Jeszenszky D and Lütcher A. Berlin, Deutschland: Springer, 2021, p. 217-221.
14. **Meyer RP and Dora C.** Claudio Dora im Interview. In: *Orthopäden und Wirbelsäulenchirurgen im kritischen Gespräch*, edited by Meyer RP, Brantschen B, Jeszenszky D and Lütcher A. Berlin, Deutschland: Springer, 2021, p. 19-23.
15. **Meyer RP and Drobny T.** Tomas Drobny im Interview. In: *Orthopäden und Wirbelsäulenchirurgen im kritischen Gespräch*, edited by Meyer RP, Brantschen B, Jeszenszky D and Lütcher A. Berlin, Deutschland: Springer, 2021, p. 25-29.
16. **Meyer RP and Fekete T.** Tamás Fekete im Interview. In: *Orthopäden und Wirbelsäulenchirurgen im kritischen Gespräch*, edited by Meyer RP, Brantschen B, Jeszenszky D and Lütcher A. Berlin, Deutschland: Springer, 2021, p. 37-41.
17. **Meyer RP and Glanzmann M.** Michael Glanzmann im Interview. In: *Orthopäden und Wirbelsäulenchirurgen im kritischen Gespräch*, edited by Meyer RP, Brantschen B, Jeszenszky D and Lütcher A. Berlin, Deutschland: Springer, 2021, p. 55-59.
18. **Meyer RP and Gschwend N.** Norbert Gschwend im Interview. In: *Orthopäden und Wirbelsäulenchirurgen im kritischen Gespräch*, edited by Meyer RP, Brantschen B, Jeszenszky D and Lütcher A. Berlin, Deutschland: Springer, 2021, p. 73-77.
19. **Meyer RP and Guggi T.** Thomas Guggi im Interview. In: *Orthopäden und Wirbelsäulenchirurgen im kritischen Gespräch*, edited by Meyer RP, Brantschen B, Jeszenszky D and Lütcher A. Berlin, Deutschland: Springer, 2021, p. 79-83.

20. **Meyer RP and Harder L.** Laurent Harder im Interview. In: *Orthopäden und Wirbelsäulenchirurgen im kritischen Gespräch*, edited by Meyer RP, Brantschen B, Jeszenszky D and Lütcher A. Berlin, Deutschland: Springer, 2021, p. 85-89.
21. **Meyer RP and Haschtmann D.** Daniel Haschtmann im Interview. In: *Orthopäden und Wirbelsäulenchirurgen im kritischen Gespräch*, edited by Meyer RP, Brantschen B, Jeszenszky D and Lütcher A. Berlin, Deutschland: Springer, 2021, p. 91-95.
22. **Meyer RP and Herren D.** Daniel Herren im Interview. In: *Orthopäden und Wirbelsäulenchirurgen im kritischen Gespräch*, edited by Meyer RP, Brantschen B, Jeszenszky D and Lütcher A. Berlin, Deutschland: Springer, 2021, p. 107-111.
23. **Meyer RP and Jeszenszky D.** Dezsö Jeszenszky im Interview. In: *Orthopäden und Wirbelsäulenchirurgen im kritischen Gespräch*, edited by Meyer RP, Brantschen B, Jeszenszky D and Lütcher A. Berlin, Deutschland: Springer, 2021, p. 133-137.
24. **Meyer RP and Jung C.** Christian Jung im Interview. In: *Orthopäden und Wirbelsäulenchirurgen im kritischen Gespräch*, edited by Meyer RP, Brantschen B, Jeszenszky D and Lütcher A. Berlin, Deutschland: Springer, 2021, p. 139-143.
25. **Meyer RP and Kleinstück F.** Frank Kleinstück im Interview. In: *Orthopäden und Wirbelsäulenchirurgen im kritischen Gespräch*, edited by Meyer RP, Brantschen B, Jeszenszky D and Lütcher A. Berlin, Deutschland: Springer, 2021, p. 169-173.
26. **Meyer RP and Leunig M.** Michael Leunig im Interview. In: *Orthopäden und Wirbelsäulenchirurgen im kritischen Gespräch*, edited by Meyer RP, Brantschen B, Jeszenszky D and Lütcher A. Berlin, Deutschland: Springer, 2021, p. 193-197.
27. **Meyer RP and Loibl M.** Markus Loibl im Interview. In: *Orthopäden und Wirbelsäulenchirurgen im kritischen Gespräch*, edited by Meyer RP, Brantschen B, Jeszenszky D and Lütcher A. Berlin, Deutschland: Springer, 2021, p. 199-203.
28. **Meyer RP and Manner H.** Hannes Manner im Interview. In: *Orthopäden und Wirbelsäulenchirurgen im kritischen Gespräch*, edited by Meyer RP, Brantschen B, Jeszenszky D and Lütcher A. Berlin, Deutschland: Springer, 2021, p. 205-209.
29. **Meyer RP and Moro F.** Fabrizio Moro im Interview. In: *Orthopäden und Wirbelsäulenchirurgen im kritischen Gespräch*, edited by Meyer RP, Brantschen B, Jeszenszky D and Lütcher A. Berlin, Deutschland: Springer, 2021, p. 223-227.
30. **Meyer RP and Porchet F.** François Porchet im Interview. In: *Orthopäden und Wirbelsäulenchirurgen im kritischen Gespräch*, edited by Meyer RP, Brantschen B, Jeszenszky D and Lütcher A. Berlin, Deutschland: Springer, 2021, p. 247-251.
31. **Meyer RP and Preiss S.** Stefan Preiss im Interview. In: *Orthopäden und Wirbelsäulenchirurgen im kritischen Gespräch*, edited by Meyer RP, Brantschen B, Jeszenszky D and Lütcher A. Berlin, Deutschland: Springer, 2021, p. 253-257.
32. **Meyer RP and Pröbstl O.** Ortwin Pröbstl im Interview. In: *Orthopäden und Wirbelsäulenchirurgen im kritischen Gespräch*, edited by Meyer RP, Brantschen B, Jeszenszky D and Lütcher A. Berlin, Deutschland: Springer, 2021, p. 259-263.
33. **Meyer RP and Rippstein P.** Pascal Rippstein im Interview. In: *Orthopäden und Wirbelsäulenchirurgen im kritischen Gespräch*, edited by Meyer RP, Brantschen B, Jeszenszky D and Lütcher A. Berlin, Deutschland: Springer, 2021, p. 291-295.
34. **Meyer RP and Rüdiger H.** Hannes Rüdiger im Interview. In: *Orthopäden und Wirbelsäulenchirurgen im kritischen Gespräch*, edited by Meyer RP, Brantschen B, Jeszenszky D and Lütcher A. Berlin, Deutschland: Springer, 2021, p. 297-301.
35. **Meyer RP and Rutishauser T.** Thomas Rutishauser im Interview. In: *Orthopäden und Wirbelsäulenchirurgen im kritischen Gespräch*, edited by Meyer RP, Brantschen B, Jeszenszky D and Lütcher A. Berlin, Deutschland: Springer, 2021, p. 309-313.
36. **Meyer RP and Scheibel M.** Markus Scheibel im Interview. In: *Orthopäden und Wirbelsäulenchirurgen im kritischen Gespräch*, edited by Meyer RP, Brantschen B, Jeszenszky D and Lütcher A. Berlin, Deutschland: Springer, 2021, p. 315-320.
37. **Meyer RP and Schindele S.** Stefan Schindele im Interview. In: *Orthopäden und Wirbelsäulenchirurgen im kritischen Gespräch*, edited by Meyer RP, Brantschen B, Jeszenszky D and Lütcher A. Berlin, Deutschland: Springer, 2021, p. 321-325.

38. **Meyer RP and Schwyzer HK.** Hans-Kaspar Schwyzer im Interview. In: *Orthopäden und Wirbelsäulenchirurgen im kritischen Gespräch*, edited by Meyer RP, Brantschen B, Jeszenszky D and Lütcher A. Berlin, Deutschland: Springer, 2021, p. 343-347.
39. **Meyer RP and Velasco R.** Rafael Velasco im Interview. In: *Orthopäden und Wirbelsäulenchirurgen im kritischen Gespräch*, edited by Meyer RP, Brantschen B, Jeszenszky D and Lütcher A. Berlin, Deutschland: Springer, 2021, p. 367-371.
40. **Meyer RP and Wirth B.** Barbara Wirth im Interview. In: *Orthopäden und Wirbelsäulenchirurgen im kritischen Gespräch*, edited by Meyer RP, Brantschen B, Jeszenszky D and Lütcher A. Berlin, Deutschland: Springer, 2021, p. 377-381.
41. **Minkus M and Scheibel M.** Impingementsyndrome der Schulter und degenerative Pathologien des Schultergelenks. In: *Expertise Orthopädie und Unfallchirurgie. Schulter*, edited by Scheibel M and Brunner U. Stuttgart, Deutschland: Thieme, 2021, p. 258-273.
42. **Moroder P, Brunner U and Scheibel M.** Klinische Untersuchung der Schulter. In: *Expertise Orthopädie und Unfallchirurgie. Schulter*, edited by Scheibel M and Brunner U. Stuttgart, Deutschland: Thieme, 2021, p. 60-84.
43. **Nordström A, Feddermann-Demont N and Nordström P.** Mind your head: potential short- and long-term effects of concussion in sport. In: *ESSKA Instructional Course Lecture Book. Milan 2021*, edited by Hirschmann MT, Kon E, Samuelsson K, Denti M and Dejour D. Berlin, Germany: Springer, 2020, p. 47-51.
44. **Scheibel M and Maziak N.** Arthroscopic and arthroscopic-assisted management of atraumatic and traumatic disorders of the acromioclavicular joint: indications, techniques, and outcomes. In: *Rockwood and Matsen's The Shoulder*, edited by Matsen III FA, Cordasco FA, Sperling JW and Lippitt SB. USA: Elsevier, 2021, p. 422-433.
45. **Schindele S.** Thumb IP joint arthroplasty: an alternative to arthrodesis. In: *Arthroplasty in hand surgery: FESSH instructional course book 2020*, edited by Schindele S, Giddins G and Bellemère P. Stuttgart, Germany: Thieme, 2021, p. 196-200.

„Peer-Reviewed“-Kongress-Abstracts

1. **Alten R, Mariette X, Flipo RM, Caporali R, Buch MH, Patel Y, Sanmarti R, Marsal S, Nurmohamed M, Griffiths H, Peichl P, Bannert B, Forster A, Chartier M, Elbez Y, Rauch C, Khaychuk V and Lozenski K.** Analysis of Abatacept treatment retention and efficacy according to disease duration and treatment line in a real-world setting. *American College of Rheumatology (ACR) Convergence 2021*, Online (e-Congress), 05.-09.11.2021.
2. **Alten R, Mariette X, Flipo RM, Caporali R, Buch MH, Patel Y, Sanmarti R, Marsal S, Nurmohamed M, Griffiths H, Peichl P, Bannert B, Forster A, Chartier M, Elbez Y, Rauch C, Lozenski K and Khaychuk V.** Disease activity in patients with RA by serostatus and treatment line following treatment with Abatacept: results from an international observation study. *European Congress of Rheumatology (EULAR) 2021 Virtual Congress*, Online (e-Congress), 02.-05.06.2021.
3. **Behm P, Marks M, Ferguson S, Brodbeck M and Herren DB.** Intraoperative stability of the first carpometacarpal joint. *54. Jahreskongress der Schweizerischen Gesellschaft für Handchirurgie (SGH)/21. Jahreskongress der Schweizerischen Gesellschaft für Handrehabilitation (SGHR)*, Zurich, Switzerland, 25.-26.11.2021.
4. **Behm P, Marks M, Ferguson S, Brodbeck M and Herren DB.** Stability of the first carpometacarpal joint during trapeziectomy with tendon suspension and interposition. *26th Congress of the Federation of European Societies for Surgery of the Hand (FESSH)*, Online (e-Congress), 16.-19.06.2021.
5. **Bellmann F, Wehrli M, Marzel A, de Jong M, Audigé L, Maziak N and Scheibel M.** Development of the world's first comprehensive acromioclavicular joint instability registry. *38. Kongress der Gesellschaft für Arthroskopie und Gelenkchirurgie (AGA)*, Innsbruck, Austria, 09.-11.09.2021.
6. **Blümel S, Leunig M, Manner H, Tannast M, Stetzelberger V and Ganz R.** Perthes-like necrosis in young female gymnasts: a pursuit of aetiology and management. *International Hip Society (IHS) Closed Meeting*, Berlin, Germany, 03.-05.11.2021.

7. **Blümel S, Stephan A, Stadelmann VA and Velasco R.** Early treatment of severe flatfeet with gastrocnemius shortening by percutaneous lengthening of the heel cord. *57. Jahrestagung der Österreichischen Gesellschaft für Unfallchirurgie (ÖGU) und 2. Jahrestagung der Österreichischen Gesellschaft für Orthopädie und Traumatologie (ÖGOuT)*, Online (e-Congress), 07.-09.10.2021.
8. **Brunner R, Bizzini M, Maffioletti NA and Niedermann K.** Perceived barriers and facilitators towards an injury prevention program among professional male ice hockey players and staff members. *International Olympic Committee (IOC) World Conference on Prevention of Injury & Illness in Sport*, Monaco, 25.-27.11.2021.
9. **De Pieri E, Friesenbichler B, List R, Monn S, Casartelli NC, Leunig M and Ferguson SJ.** Computational methods for orthopedic applications. *26th Congress of the European Society of Biomechanics*, Online (e-Congress), 11.-14.06.2021.
10. **Endell D, Grob A, Scheibel M and Audigé L.** Worth the risk? Clinical and radiographic outcomes 2 years after implantation of reverse shoulder arthroplasty in an advanced geriatric population. *29th Congress of the European Society for Surgery of the Shoulder and Elbow (SECEC-ESSSE)*, Poznań, Poland, 15.-18.09.2021.
11. **Endell D, Grob A, Scheibel M and Marzel A.** Is it worth the risk? Clinical and radiographic outcomes 2 years after implantation of reverse shoulder arthroplasty in an advanced geriatric population. *swiss orthopaedics 80. Jahreskongress*, Online (e-Congress), 24.-25.06.2021.
12. **Endell D, Grob A, Scheibel M and Marzel A.** Lohnt es sich? Klinische und radiologische Ergebnisse 2 Jahre nach Implantation inverser Schulterendoprothesen in einem geriatrischen Patientenkollektiv. *Deutscher Kongress für Orthopädie und Unfallchirurgie (DKOU) 2021*, Berlin, Deutschland, 26.-29.10.2021
13. **Endell D, Grob A, Scheibel M and Marzel A.** Lohnt es sich? Klinische und radiologische Ergebnisse 2 Jahre nach Implantation inverser Schulterendoprothesen in einem geriatrischen Patientenkollektiv. *38. Kongress der Gesellschaft für Arthroskopie und Gelenkchirurgie (AGA)*, Innsbruck, Österreich, 09.-11.09.2021.
14. **Endell D, Imiolczyk JP, Marzel A and Scheibel M.** Erste Ergebnisse nach metallischer Full-Wedge Augmentation bei ausgeprägtem glenoidalen Knochenverlust in der inversen Schulterendoprothetik. *Deutscher Kongress für Orthopädie und Unfallchirurgie (DKOU) 2021*, Berlin, Deutschland, 26.-29.10.2021.
15. **Fekete TF, Haschtmann D, Jeszenszky D, Richner-Wunderlin S, Zimmermann L, Thekkanath K and Mannion AF.** Validity and responsiveness of the Core Outcome Measures Index (COMI) in patients with adolescent idiopathic scoliosis. *47th Annual Meeting of the International Society for the Study of the Lumbar Spine (ISSLS)*, Online (e-Congress), 02.-04.06.2021.
16. **Fekete TF, Haschtmann D, Loibl M, Kleinstück F, Jeszenszky D and Mannion AF.** Can collective intelligence improve the outcome of spine surgery? *47th Annual Meeting of the International Society for the Study of the Lumbar Spine (ISSLS)*, Online (e-Congress), 02.-04.06.2021.
17. **Fekete TF, Mannion AF, Haschtmann D, Loibl M, Kleinstück FS and Jeszenszky D.** Minimally invasive versus conventional open approach for correction and posterior spinal fusion in patients with adolescent idiopathic scoliosis. *47th Annual Meeting of the International Society for the Study of the Lumbar Spine (ISSLS)*, Online (e-Congress), 02.-04.06.2021.
18. **Fischer G, Reissner L, List R, Jerrmann D and Calcagni M.** Hand motion analysis of functional tasks – repeatability and marker visibility. *Federation of European Societies for Surgery of the Hand (FESSH) 2021 Congress*, Online (e-Congress), 16.-19.06.2021.
19. **Freisleder F, Toft F, Marzel A, Scheibel M and Audigé L.** Lateralized vs non-lateralized reverse shoulder arthroplasty for advanced cuff tear arthropathy Hamada 4 and 5 with glenohumeral arthritis. *29th Congress of the European Society for Surgery of the Shoulder and Elbow (SECEC-ESSSE)*, Poznań, Poland, 15.-18.09.2021.
20. **Freisleder F, Toft F, Marzel A, Scheibel M and Audigé L.** Vergleich zwischen lateralisierter und nicht lateralisierter inverser Schultertotalendoprothese bei fortgeschrittener Defektarthropathie Hamada 4 und 5 mit glenohumeraler Arthrose. *swiss orthopaedics 80. Jahreskongress*, Online (e-Kongress), 24.-25.06.2021.

21. **Glanzmann M, Rickenbacher D, Gleich J, Kolling C, Oswald J and Audigé L.** Common extensor tendon avulsion mimicking tennis elbow: clinical and structural results following knotless anchor repair. *swiss orthopaedics 80. Jahreskongress*, Online (e-Congress), 24.-25.06.2021.
22. **Grobet C, Eichler K, Flury M, Meier F, Wieser S, Brunner B, Schwyzer H-K and Audigé L.** Cost-utility analysis of arthroscopic rotator cuff repair: real-world data of reintegration. *European Union for Medicine in Assurance and Social Security (EUMASS) Congress & Swiss Insurance Medicine (SIM) Annual Meeting*, Online (e-Congress), 16.-17.09.2021.
23. **Hangartner M, Bühler S, Romano F, Agostino D, Feddermann-Demont N and Bizzini M.** The concurrent validity of strength measurements for neck flexion and extension obtained by hand-held dynamometry. A comparison with the multi-cervical unit. *International Journal of Sports Physical Therapy (IJSPT) First Annual Orthopedic Summit Research Symposium 2021*, Las Vegas, USA, 11.12.2021.
24. **Harzbecker V, Imiolczyk JP, Moroder P and Scheibel M.** Ergebnisse der metallischen, glenoidalen Lateralisierung in der inversen Schulterendoprothetik bei Revisionen von Frakturfolgezuständen. *Deutscher Kongress für Orthopädie und Unfallchirurgie (DKOU) 2021*, Berlin, Deutschland, 26.-29.10.2021.
25. **Harzbecker V, Imiolczyk JP, Moroder P and Scheibel M.** Inverse Endoprothetik mit glenoidaler, metallischer Lateralisierung beim Endoprothesenwechsel. *38. Jahreskongress der Gesellschaft für Arthroskopie und Gelenkchirurgie (AGA)*, Innsbruck, Österreich, 09.-11.09.2021.
26. **Harzbecker V, Moroder P, Imiolczyk JP and Scheibel M.** Ergebnisse der metallischen, glenoidalen Lateralisierung in der inversen Schulterendoprothetik bei Revisionen von Frakturfolgezuständen. *38. Jahreskongress der Gesellschaft für Arthroskopie und Gelenkchirurgie (AGA)*, Innsbruck, Österreich, 09.-11.09.2021.
27. **Haschtmann D, Brand C, Fekete TF, Jeszenszky D, Kleinstück FS, Loibl M and Mannion AF.** The relative efficacy of lumbar fusion for low-grade isthmic compared with degenerative spondylolisthesis. *47th Annual Meeting of the International Society for the Study of the Lumbar Spine (ISSLS)*, Online (e-Congress), 02.-04.06.2021.
28. **Herren DB, Fuchs N, Schindele S and Marks M.** Outcomes and recommendations for revision of thumb carpometacarpal resection arthroplasty. *54. Jahreskongress der Schweizerischen Gesellschaft für Handchirurgie (SGH)/21. Jahreskongress der Schweizerischen Gesellschaft für Handrehabilitation (SGHR)*, Zurich, Switzerland, 25.-26.11.2021.
29. **Horn N, List R, Schütz P, Stulz S, Ferguson SJ, Drobny T and Preiss S.** Mobile-bearing versus fixed-bearing TKA in sports. A videofluoroscopic analysis of the golf swing and rotational capabilities of the implants. *14. Endoprothetikongress Berlin 2021*, Online (e-Congress), 25.-27.2.2021.
30. **Hosseini Nasab SH, Smith CR, Postolka B, Schütz P, List R and Taylor WR.** In vivo length-change patterns of the medial collateral ligament throughout complete cycles of level walking. *XXVIII Congress of the International Society of Biomechanics (ISB)*, Online (e-Congress), 25.-29.07.2021.
31. **Houtman M, Ge X, MCGovern A, Klein K, Orozco G, Frank Bertonecelj M, Marks M, Distler O, Martin P, Eyre S and Ospelt C.** Identification of functional variants in the rheumatoid arthritis associated JAZF1 locus in synovial fibroblasts. *European Congress of Rheumatology (EULAR) 2021*, Online (e-Congress), 02.-05.06.2021.
32. **Kleinstück F, Richner-Wunderlin S, Zimmermann L, Vila-Casademunt A, Ruiz de Villa A, Alanay A, Loibl M, Pellisé F, Pérez-Grueso FJS, Obeid I, Mannion AF and European Spine Study Group (ESSG).** No difference in patient-rated outcome after short versus long fusion surgery in patients undergoing lumbar spine surgery for adult spinal deformity. *Eurospine, the Spine Society of Europe*, Vienna, Austria, 06.-08.10.2021.
33. **Mannion AF, Elfering A, Fekete TF, Harding I, Monticone M, Obid P, Niemeyer T, Liljenqvist U, Boss A, Zimmermann L, Vila-Casademunt A, Pérez-Grueso FJS, Pizones J, Pellisé F, Richner-Wunderlin S, Kleinstück F, Obeid I, Boissière L, Alanay A, Bago J, German Spine Registry Group and British Spine Registry Group.** The 16-item version of the SRS-instrument shows better structural validity than the 20-item version in young patients with spinal deformity. *swiss orthopaedics 81. Jahreskongress*, Online (e-Congress), 24.-25.06.2021.

34. **Mannion AF, Elfering A, Fekete TF, Harding I, Monticone M, Obid P, Niemeyer T, Liljenqvist U, Boss A, Zimmermann L, Vila-Casademunt A, Pérez-Gruoso FJS, Pizones J, Pellisé F, Richner-Wunderlin S, Kleinstück F, Obeid I, Boissière L, Alanay A, Bago J, German Spine Registry Group and British Spine Registry Group.** The 16-item version of the SRS-instrument shows better structural validity than the 20-item version in young patients with spinal deformity. *Eurospine, the Spine Society of Europe*, Vienna, Austria, 06.-08.10.2021.
35. **Mannion AF, Elfering A, Fekete TF, Harding I, Monticone M, Obid P, Niemeyer T, Vila-Casademunt A, Pérez-Gruoso FJS, Pizones J, Pellisé F, Richner-Wunderlin S, Zimmermann L, Kleinstück F and Bago J.** Shorter and sweeter: the 16-item version of the SRS-questionnaire shows better structural validity than the 20-item version in young patients with spinal deformity. *Scoliosis Research Society (SRS) 56th Annual Meeting*, St Louis, USA, 22.-25.09.2021.
36. **Mannion AF, Elfering A, Kleinstück F, Loibl M, Fekete TF, Pellisé F, Vila-Casademunt A, Mariaux F, Richner-Wunderlin S, Pérez-Gruoso FJS, Obeid I, Alanay A, A. P, Lurie J, Haschtmann D, European Spine Study Group (ESSG) and Spine Tango Registry.** Development of a crosswalk for the bidirectional mapping of two commonly used condition-specific patient-reported outcome measures, the Oswestry Disability Index (ODI) and the Core Outcome Measures Index (COMI). *swiss orthopaedics 81. Jahreskongress*, Online (e-Congress), 24.-25.06.2021.
37. **Mannion AF, Elfering A, Kleinstück F, Loibl M, Fekete TF, Pellisé F, Vila-Casademunt A, Mariaux F, Richner-Wunderlin S, Pérez-Gruoso FJS, Obeid I, Alanay A, Pearson A, Lurie J, Haschtmann D, European Spine Study Group (ESSG) and Spine Tango Registry.** Development of a crosswalk for the bidirectional mapping of two commonly used condition-specific patient-reported outcome measures, the Oswestry Disability Index (ODI) and the Core Outcome Measures Index (COMI). *Eurospine, the Spine Society of Europe*, Vienna, Austria, 06.-08.10.2021.
38. **Mannion AF, Mariaux F, Proebstl O, Fekete TF, Kleinstück F, Jeszenszky D, Koehler M, Haschtmann D, Lurie J, Pearson A, Otten P, Norberg IM, Loibl M, Pittet V and Porchet F.** Validity of "Appropriate Use Criteria" for surgery in degenerative spondylolisthesis: a prospective, controlled, multicentre study. *Society for Back Pain Research (SBPR) Britspine 2021*, Online (e-Congress), 10.-12.03.2021.
39. **Mannion AF, Mariaux F, Proebstl O, Fekete TF, Kleinstück FS, Jeszenszky D, Koehler M, Haschtmann D, Lurie J, Pearson A, Otten P, Norberg IM, Loibl M, Pittet V and Porchet F.** Evaluation of the association between "appropriate use of surgery" and patient-rated outcome in degenerative spondylolisthesis: a prospective, controlled, multicentre study. *47th Annual Meeting of the International Society for the Study of the Lumbar Spine (ISSLS)*, Online (e-Congress), 02.-04.06.2021.
40. **Mannion AF, Müller D, O'Riordan D, Fekete TF, Porchet F, Kleinstück F, Reitmeir R, Loibl M, Jeszenszky D and Haschtmann D.** A machine-learning based model predicts significantly inferior multidimensional outcome in patients who drop out at follow-up. *Eurospine, the Spine Society of Europe*, Vienna, Austria, 06.-08.10.2021.
41. **Mannion AF, O'Riordan D, Fekete TF, Porchet F, Kleinstück FS, Jeszenszky D, Loibl M, Reitmeir R and Haschtmann D.** The extent, nature, and consequences of loss to follow-up in a long-established single-centre spine surgery registry of over 15,000 patients. *47th Annual Meeting of the International Society for the Study of the Lumbar Spine (ISSLS)*, Online (e-Congress), 02.-04.06.2021.
42. **Marks M, Grobet C and Audigé L.** Measurement properties of the EQ-5D-5L questionnaire in patients after thumb carpometacarpal arthroplasty, rotator cuff repair or shoulder arthroplasty. *26th Congress of the Federation of European Societies for Surgery of the Hand (FESSH)*, Online (e-Congress), 16.-19.06.2021.
43. **Marks M, Grobet C and Audigé L.** Measurement properties of the EQ-5D-5L questionnaire in patients after thumb CMC arthroplasty. *54. Jahreskongress der Schweizerischen Gesellschaft für Handchirurgie (SGH)/21. Jahreskongress der Schweizerischen Gesellschaft für Handrehabilitation (SGHR)*, Zurich, Switzerland, 25.-26.11.2021.
44. **Marks M, Oyewale M, Steiger B, Neumeister S, Schindele S and Herren DB.** To operate or not to operate: when is it best to perform a PIP arthroplasty? *54. Jahreskongress der Schweizerischen*

- Gesellschaft für Handchirurgie (SGH)/21. Jahreskongress der Schweizerischen Gesellschaft für Handrehabilitation (SGHR), Zurich, Switzerland, 25.-26.11.2021.*
45. **Massih M, Maziak N, Marzel A, Massen F and Scheibel M.** Concomitant glenohumeral pathologies in patients with acromioclavicular joint separations: how do acute and chronic instabilities differ? *Deutscher Kongress für Orthopädie und Unfallchirurgie (DKOU) 2021*, Berlin, Germany, 26.-29.10.2021.
 46. **Mirrahimi M, Klein K, Houtman M, Maciukiewicz M, Frank Bertonceij M, Juengel A, Berli M, Marks M, Distler O and Ospelt C.** Homeobox D transcription factors shape differential joint environment between anterior finger joints and thumb. *European Congress of Rheumatology (EULAR) 2021*, Online (e-Congress), 02.-05.06.2021.
 47. **Müller-Schrader M, Heinzle J, Müller A, Lanz C, Häussler O, Sutter M, Eggspühler A, Mare S, Toussaint B, Borges Pereira I, Petzschner F, Wiech K, Barth J, Witt C, Stephan KE and Manjaly ZM.** Predicting treatment outcome of lumbar infiltrations in low back pain. *Society of Interdisciplinary Placebo Studies (SIPS) 3rd International Conference*, Online (e-Congress), 26.-28.05.2021.
 48. **Müller D, Haschtmann D, O'Riordan D, Loibl M, Kleinstück F, Fekete TF, Porchet F, Reitmeir R, Jeszenszky D and Mannion AF.** Development of a machine-learning based model for predicting multidimensional outcome after surgery for degenerative disorders of the spine. *swiss orthopaedics 81. Jahreskongress*, Online (e-Congress), 24.-25.06.2021.
 49. **Müller D, Haschtmann D, O'Riordan D, Loibl M, Kleinstück F, Fekete TF, Porchet F, Reitmeir R, Jeszenszky D and Mannion AF.** Development of a machine-learning based model for predicting multidimensional outcome after surgery for degenerative disorders of the spine. *Eurospine, the Spine Society of Europe*, Vienna, Austria, 06.-08.10.2021.
 50. **Pearson A, Mariaux F, Lurie J, McGuire K, Abdu W, Porchet F and Mannion AF.** Construct validity and responsiveness to change of the US English version of the Core Outcome Measures Index (COMI). *47th Annual Meeting of the International Society for the Study of the Lumbar Spine (ISSLS)*, Online (e-Congress), 02.-04.06.2021.
 51. **Postolka B, Taylor WR, List R, Fucentese SF, Koch PP and Schütz P.** Tibio-femoral kinematics of natural versus replaced knees – a comparison using dynamic videofluorocopy. *XXVIII Congress of the International Society of Biomechanics (ISB)*, Online (e-Congress), 25.-29.07.2021.
 52. **Postolka B, Taylor WR, List R and Schütz P.** The role of limb alignment on tibio-femoral kinematics: a dynamic videofluoroscopy study. *26th Congress of the European Society of Biomechanics*, Online (e-Congress), 11.-14.07.2021.
 53. **Puhakka J, Mannion AF, Haschtmann D, Fekete TF, Loibl M and Jeszenszky D.** Transforaminal thoracic interbody fusion: patient-reported outcome at 12 months. *swiss orthopaedics 81. Jahreskongress*, Online (e-Congress), 24.-25.06.2021.
 54. **Puhakka J, Mannion AF, Haschtmann D, Fekete TF, Loibl M and Jeszenszky D.** Transforaminal thoracic interbody fusion: patient-reported outcome at 12 months. *Eurospine, the Spine Society of Europe*, Vienna, Austria, 06.-08.10.2021.
 55. **Reischenböck V, Marks M, Herren DB and Schindele S.** Five-year outcomes of surface replacing arthroplasty at the proximal interphalangeal joint. *26th Congress of the Federation of European Societies for Surgery of the Hand (FESSH)*, Online (e-Congress), 16.-19.06.2021.
 56. **Reischenböck V, Oyewale M, Marks M, Schindele S and Herren DB.** Capsular resection or suture in thumb carpometacarpal joint implant arthroplasty? *26th Congress of the Federation of European Societies for Surgery of the Hand (FESSH)*, Online (e-Congress), 16.-19.06.2021.
 57. **Reischenböck V, Oyewale M, Marks M, Schindele S and Herren DB.** To resect or suture the capsule in thumb carpometacarpal joint implant arthroplasty? *54. Jahreskongress der Schweizerischen Gesellschaft für Handchirurgie (SGH)/21. Jahreskongress der Schweizerischen Gesellschaft für Handrehabilitation (SGHR)*, Zurich, Switzerland, 25.-26.11.2021.
 58. **Schindele S, Marks M and Herren DB.** Thumb interphalangeal joint replacement with a surface replacing implant: a prospective study *54. Jahreskongress der Schweizerischen Gesellschaft für Handchirurgie (SGH)/21. Jahreskongress der Schweizerischen Gesellschaft für Handrehabilitation (SGHR)*, Zurich, Switzerland, 25.-26.11.2021.

59. **Schleicher A, Neidenbach P, Blümel S, Stadelmann VA, Leunig M and Rüdiger H.** Outcome of conversion to total hip arthroplasty after osteosynthesis of proximal femoral fractures compared to primary total hip arthroplasty for osteoarthritis. *swiss orthopaedics 81. Jahreskongress*, Online (e-Congress), 23.-25.06.2021.
60. **Stadelmann VA, Rüdiger H, Nauer S and Leunig M.** The impact of joint capsule preservation in direct anterior approach total hip arthroplasty: retrospective analysis of patient-reported outcomes. *International Hip Society (IHS) Closed Meeting*, Berlin, Germany, 03.-05.11.2021.
61. **Zehnder P, Held U, Luca A, Munting E, Pigott T, Fekete TF, Distler O, Haschtmann D, Reitmeir R, Loibl M and Mannion AF.** Predicting the likelihood of complications in patients undergoing surgery for degenerative disorders of the lumbar spine: model development. *47th Annual Meeting of the International Society for the Study of the Lumbar Spine (ISSLS)*, Online (e-Congress), 02.-04.06.2021.

Vorträge und Fortbildungen (Max. 10 Vorträge pro Person)

1. **Alvarez S and Stadelmann VA.** Loss of tissue mineralization below cartilage defects is associated with clinical and surgical outcomes of osteoarthritis. *Swiss Bone and Mineral Society (SBMS) Meeting*, Online, 08.06.2021.
2. **Baumann G.** Live-Demo körperliche Untersuchung - Knie. *Eidgenössische Technische Hochschule (ETH) Kurs, Schulthess Klinik*, Zürich, Schweiz, 24.03.2021.
3. **Bizzini M.** The 11+ journey: 15 years and still going strong? *International Olympic Committee (IOC) World Conference on Prevention of Injury & Illness in Sport*, Monaco, 25.-27.11.2021.
4. **Bizzini M.** Infortuni nel Calcio: Prevenzione o Riduzione? Corsi di Scienze Motorie. *Università Tor Vergata, Corsi di Scienze Motorie*, Online, 04.12.2021.
5. **Bizzini M.** Prävention von Muskelverletzungen an der unteren Extremität im Sport. Eine Übersicht der Literatur. *36. Gesellschaft für Orthopädisch-Traumatologische Sportmedizin (GOTS) Jahreskongress*, Online (e-Kongress), 01.-02.07.2021.
6. **Bizzini M.** Prevenire/ridurre gli infortuni nello sport. Evidenza e pratica. *Scuola dello Sport. Centro di Preparazione Olimpica "Giulio Onesti"*, Online, 16.06.2021.
7. **Bizzini M.** Sports injury prevention - Part I (Concepts). *Master of Science Sport Physiotherapy Lecture, Bern University of Applied Sciences (BFH)*, Bern, Switzerland, 22.09.2021.
8. **Bizzini M.** Sports injury prevention - Part II (Research). *Master of Science Sport Physiotherapy Lecture, Bern University of Applied Sciences (BFH)*, Bern, Switzerland, 29.09.2021.
9. **Bizzini M.** Sports injury prevention - Part III (Real world of sports). *Master of Science Sport Physiotherapy Lecture, Bern University of Applied Sciences (BFH)*, Bern, Switzerland, 13.10.2021.
10. **Bizzini M.** Surface electromyography. *Laboratory course in exercise physiology (376-0207-00L). Department of Health Sciences and Technology (ETH), Schulthess Clinic*, Zurich, Switzerland, 30.09.-09.12.2021.
11. **Bruhin V.** Patellainstabilität. *Schulthess Klinik Interne Fortbildung*, Zürich, Schweiz, 23.08.2021.
12. **Brunner R.** Femoroacetabular impingement in physiotherapy. *Sport & Exercise Medicine Switzerland (SEMS), Geneva University Hospitals (HUG)*, Geneva, Switzerland, 11.11.2021.
13. **Brunner R.** Injury prevention in ice hockey. *University of Lucerne, PhD thesis defense*, Lucerne, Switzerland, 31.03.2021.
14. **Brunner R.** Injury prevention in ice hockey. *Fortbildung Physiotherapie, Schulthess Klinik*, Zurich, Switzerland, 21.04.2021.
15. **Brunner R.** Injury prevention in ice hockey. *Medizinisches Symposium für Sportmedizin*, Ambri, Switzerland, 08.10.2021.
16. **Brunner R.** Muscle injuries of the thigh. *Sport & Exercise Medicine Switzerland (SEMS), Geneva University Hospitals (HUG)*, Geneva, Switzerland, 11.11.2021.
17. **Brunner R.** The painful groin. *Sport & Exercise Medicine Switzerland (SEMS), Geneva University Hospitals (HUG)*, Geneva, Switzerland, 11.11.2021.

18. **Bütler S.** Handtherapeutische Behandlungsoptionen nach PIP-Arthroplastik. *Virtuelles Deutschsprachige Arbeitsgemeinschaft für Handchirurgie (DAH) Symposium*, Online (e-Kongress), 07.-08.05.2021.
19. **Dätwyler K.** Surface electromyography. *Laboratory course in exercise physiology (376-0207-00L)*. Department of Health Sciences and Technology (ETH), Schulthess Clinic, Zurich, Switzerland, 30.09.-09.12.2021.
20. **Denzler R.** Ergonomie am Arbeitsplatz der Dentalassistent*innen. *Schweizerischer Verband der Dentalassistentinnen (SVDA) Kongress 2021*, Olten, Schweiz, 26.11.2021.
21. **Diermayr S.** Re-Live-Demonstration: sonographisch gesteuerte Kalkspülung. *Virtuelles Schulter- und Ellbogensymposium 2021*. Schulthess Klinik, Zürich, Schweiz, 08.04.2021.
22. **Endell D.** Können wir die postoperative Stiffness nach RM-Refixation vorhersagen? *Deutscher Kongress für Orthopädie und Unfallchirurgie (DKOU) 2021*, Berlin, Deutschland, 26.-29.10.2021.
23. **Etter M.** Schlusskurs Muskuloskelettaler Ultraschall. *Sektion Muskuloskelettaler Ultraschall (MSUS) der Schweizerischen Gesellschaft für Ultraschall (SGUM)*, Zürich, Schweiz, 12.11.-13.11.2021.
24. **Etter M.** Tutor. Aufbaukurs Muskuloskelettaler Ultraschall. *Sektion Muskuloskelettaler Ultraschall (MSUS) der Schweizerischen Gesellschaft für Ultraschall (SGUM)*, Zürich, Schweiz, 26.06.2021.
25. **Etter M.** Untersuchung des Bewegungsapparates. *Studentenkurs, Medizinstudium 3. Studienjahr, Universität Zürich*, Zürich, Schweiz, 23.03.-13.04.2021.
26. **Etter M.** Update Rheumatologie, Fibromyalgie & lokale Weichteilschmerzen: Abgrenzung in der Hausarztpraxis. *Schweizer Gesellschaft für Rheumatologie (SGR)*, Zürich, Schweiz, 27.05.2021.
27. **Etter M.** Vom Symptom zur Diagnose. Das geschwollene Kniegelenk. *Bachelor-Studium Humanmedizin, Swiss Federal Institute of Technology (ETH), Schulthess Klinik (online)*, Zürich, Schweiz, 20.05.2021.
28. **Fekete T.** Live-Demo körperliche Untersuchung - HWS/BWS und LWS/ISG. *Eidgenössische Technische Hochschule (ETH) Kurs, Schulthess Klinik*, Zürich, Schweiz, 26.03.2021.
29. **Fekete T.** Skoliosechirurgie: Minimal-invasive Verfahren. *Schulthess Klinik Hausärztfortbildung*, Zürich, Schweiz, 30.09.2021.
30. **Felsch Q.** Achillessehnentendinopathie *Forum für medizinische Fortbildung – Innere Medizin Update Refresher Kurs*, Zürich, Schweiz, 18.06.2021.
31. **Felsch Q.** Ursprung, Diagnose und Therapie der Achillessehnentendinopathie. *Forum für medizinische Fortbildung – Innere Medizin Update Refresher Kurs*, Zürich, Schweiz, 18.06.2021.
32. **Felsch Q.** Workshop: Schulteruntersuchung. *Forum für medizinische Fortbildung – Innere Medizin Update Refresher Kurs*, Zürich, Schweiz, 17.-18.06.2021.
33. **Forster A.** Der seltene Fall – Perlen der Rheumatologie. *Rheuma Top 2021. Universitätsspital Zürich, Inselspital Bern und Universitätsspital Basel*, Online, 26.08.2021.
34. **Forster A.** Differentialdiagnostik entzündlicher Erkrankungen. *Virtuelles Schulter- und Ellbogensymposium 2021*. Schulthess Klinik, Zürich, Schweiz, 08.04.2021.
35. **Forster A.** Leben mit Rheuma. *Lehrgang Master of Advanced Studies (MAS), Selbstmanagement fördern in Gerontologischer Pflege, Zürcher Hochschule für Angewandte Wissenschaften (ZHAW)*, Winterthur, Schweiz, 04.06.2021.
36. **Forster A.** Medikamentöse Schmerztherapie: was fördert und was beeinträchtigt die Rehabilitation? 2. *Kooperationskongress Reha Schweiz und Physioswiss 2021*, Nottwil, Schweiz, 06.05.2021.
37. **Forster A.** Nicht-steroidale Antirheumatika. *Schulthess Klinik Interne Fortbildung*, Zürich, Schweiz, 13.09.2021.
38. **Forster A.** Pharmakologie der Glucocorticoide, Basismedikamente und Opioiden. *Lehrgang Master of Science (MSc) in Physiotherapie, Zürcher Hochschule für Angewandte Wissenschaften (ZHAW)*, Winterthur, Schweiz, 26.08.2021.
39. **Forster A.** Rheumatologie der Hand. *Qualitätszirkel Sanacare Stadelhofen*, Zürich, Schweiz, 21.07.2021.
40. **Freisleder F.** Arthroscopic rotator cuff repair using bursal augmentation. *Berlin International Shoulder Course (BISC) 2021*, Berlin, Germany, 07.-09.01.2021.

41. **Freislederer F.** Live-Demo körperliche Untersuchung - Schulter und Ellbogen. *Eidgenössische Technische Hochschule (ETH) Kurs, Schulthess Klinik, Zürich, Schweiz, 23.03.2021.*
42. **Freislederer F.** Neuigkeiten in der inversen Schulterendoprothetik. *Schulthess Klinik Interne Fortbildung, Zürich, Schweiz, 13.12.2021.*
43. **Freislederer F.** Partialrupturen der Rotatorenmanschette - wann OP, wann nicht? *Virtuelles Schulter- und Ellbogensymposium 2021. Schulthess Klinik, Online (e-Kongress), 08.04.2021.*
44. **Freislederer F.** Re-Live-Operation: Implantation inverse Endoprothese. *Virtuelles Schulter- und Ellbogensymposium 2021. Schulthess Klinik, Online (e-Kongress), 08.04.2021.*
45. **Garai S and Egli P.** Back to sports - Testungen für die obere Extremität in der Praxis. *physioswiss Abendfortbildungen, Luzern, Schweiz, 27.10.2021.*
46. **Glanzmann M.** Dauerbrenner Epicondylopathie. *Virtuelles Schulter- und Ellbogensymposium 2021. Schulthess Klinik, Online (e-Kongress), 08.04.2021.*
47. **Glanzmann M.** Ellbogenprobleme beim Sportler. *Medizinisches Symposium für Sportmedizin, Ambri, Schweiz, 08.10.2021.*
48. **Glanzmann M.** Klinische und sonographische Resultate der Refixation von Extensorenläsionen am Ellenbogen. *38. Jahreskongress der Gesellschaft für Arthroskopie und Gelenkchirurgie (AGA), Innsbruck, Österreich, 09.-11.09.2021.*
49. **Glanzmann M.** Offene Techniken zur chirurgischen Behandlung der chronischen Epicondylopathie. *38. Jahreskongress der Gesellschaft für Arthroskopie und Gelenkchirurgie (AGA), Innsbruck, Österreich, 09.-11.09.2021.*
50. **Glanzmann M.** Re-Live klinische Untersuchung: Ellbogengelenk. *Virtuelles Schulter- und Ellbogensymposium 2021. Schulthess Klinik, Online (e-Kongress), 08.04.2021.*
51. **Glanzmann M.** Return to sport after AC-joint reconstruction. *Berlin International Shoulder Course (BISC) 2021, Online (e-Congress), 09.01.2021.*
52. **Glanzmann M.** Video: Anconeus Interposition Arthroplasty: how can this work? *Elbow 2021, Wiesbaden, Germany, 07.-09.10.2021.*
53. **Harder L.** Knee deformities and OA. *Clinical Challenges in Musculoskeletal Disorders, Swiss Federal Institute of Technology (ETH) Master Lecture, Schulthess Clinic, Online (e-Lecture), 08.03.2020.*
54. **Harder L.** Live-Demo körperliche Untersuchung - Knie. *Eidgenössische Technische Hochschule (ETH) Kurs, Schulthess Klinik, Zürich, Schweiz, 24.03.2021.*
55. **Haschtmann D.** Live-Demo körperliche Untersuchung - HWS/BWS und LWS/ISG. *Eidgenössische Technische Hochschule (ETH) Kurs, Schulthess Klinik, Zürich, Schweiz, 26.03.2021.*
56. **Haschtmann D.** Prognoseinstrumente und patient-rated outcomes. *Schulthess Klinik Hausärztfortbildung, Zürich, Schweiz, 30.09.2021.*
57. **Herren DB.** Aktuelle Behandlungsmethoden der Rhizarthrose. *Virtuelles Deutschsprachige Arbeitsgemeinschaft für Handchirurgie (DAH) Symposium, Online (e-Kongress), 07.-08.05.2021.*
58. **Herren DB.** Complications after PIP arthroplasty. *26th Congress of the Federation of European Societies for Surgery of the Hand (FESSH), Online (e-Congress), 16.-19.06.2021.*
59. **Herren DB.** Die rheumatoide Arthritis am Handgelenk: Verlaufsformen und Behandlung. *Schweizerische Gesellschaft für Handchirurgie (SGH) Weiterbildungsveranstaltung. Arthrose vs. Arthritis, Online (e-Kongress), 15.04.2021.*
60. **Herren DB.** Disasters of the masters - case report by Daniel Herren. *26th Congress of the Federation of European Societies for Surgery of the Hand (FESSH), Online (e-Congress), 16.-19.06.2021.*
61. **Herren DB.** KeriFlex® silicone finger joint implants PIP-MCP: clinical cases presentation. *KeriMedical Webinar, Online, 11.10.2021.*
62. **Herren DB.** PIP arthroplasty, what surgical approach? *Federation of European Societies for Surgery of the Hand (FESSH) Academy Advanced Course, Online (e-Congress), 18.-20.11.2021.*
63. **Herren DB.** PIP arthroplasty: treatment methods and current concepts in PIP surface replacement - different approaches and results. *Bone Implant Research Group (BIRG) Webinar, Online, 29.11.2021.*

64. **Herren DB.** Proximal interphalangeal joint replacement. *British Society for Surgery of the Hand (BSSH) Webinar*, Online, 23.08.2021.
65. **Herren DB.** Round table: revisions after failed resection-interposition-arthroplasty of the CMC I joint. *26th Congress of the Federation of European Societies for Surgery of the Hand (FESSH)*, Online (e-Congress), 16.-19.06.2021.
66. **Herren DB.** Thumb saddle joint. *Clinical Challenges in Musculoskeletal Disorders, Swiss Federal Institute of Technology (ETH) Master Lecture, Schulthess Clinic*, Online (e-Lecture), 03.05.2017.
67. **Jörn Good U.** Handtherapeutische Behandlungsoptionen der Rhizarthrose. *Virtuelles Deutschsprachige Arbeitsgemeinschaft für Handchirurgie (DAH) Symposium*, Online (e-Kongress), 07.-08.05.2021.
68. **Jörn Good U.** Möglichkeiten der Schienenersorgung bei RA. *2021 Klausurtagung Stolzalpe gemeinsam mit der Österreichischen Gesellschaft für Handtherapie (ÖGHT)*, Murau, Österreich, 25.-26.06.2021.
69. **Jörn Good U.** Postoperative Behandlung nach endoprothetischer Versorgung der Fingergelenke. *2021 Klausurtagung Stolzalpe gemeinsam mit der Österreichischen Gesellschaft für Handtherapie (ÖGHT)*, Murau, Österreich, 25.-26.06.2021.
70. **Jörn Good U.** Rheumatoide Arthritis & Gelenkschutz. *Zürcher Hochschule für Angewandte Wissenschaften (ZHAW), Departement Gesundheit Weiterbildung*, Online, 25.03.2021.
71. **Jörn Good U.** Rheumatoide Arthritis & Gelenkschutz. *Ergotherapie Austria Weiterbildung*, Online, 01.10.2021.
72. **Jörn Good U.** Rhizarthrose & Co. *Zürcher Hochschule für Angewandte Wissenschaften (ZHAW), Departement Gesundheit Weiterbildung*, Online, 24.03.2021.
73. **Jörn Good U.** Rhizarthrose und Co – Handtherapie bei Arthrose. *Ergotherapie Austria Weiterbildung*, Online, 30.09.2021.
74. **Jörn Good U and Mayor C.** Ergotherapie in der Rheumatologie. *Eidgenössische Technische Hochschule (ETH), Abteilung Humanmedizin Vorlesung*, Zürich, Schweiz, 22.10.2021.
75. **Jung C.** Kalkschulter - konservative und operative Therapiestrategien. *Virtuelles Schulter- und Ellbogensymposium 2021. Schulthess Klinik*, Online (e-Kongress), 08.04.2021.
76. **Jung C.** Live-Demo körperliche Untersuchung - Schulter und Ellbogen. *Eidgenössische Technische Hochschule (ETH) Kurs, Schulthess Klinik*, Zürich, Schweiz, 23.03.2021.
77. **Jung C.** Re-Live-Operation: arthroskopische Spanplastik bei Glenoiddefekt. *Virtuelles Schulter- und Ellbogensymposium 2021. Schulthess Klinik*, Online (e-Kongress), 08.04.2021.
78. **Kleinstück F.** Minimal-invasive Chirurgie: der Mini-open TLIF. *Schulthess Klinik Hausärztfortbildung*, Zürich, Schweiz, 30.09.2021.
79. **Kleinstück F.** Spinal deformities. *Clinical Challenges in Musculoskeletal Disorders, Swiss Federal Institute of Technology (ETH) Master Lecture, Schulthess Clinic*, Online (e-Lecture), 01.03.2020.
80. **Kramers-de Quervain I.** Clinical and movement biomechanics: clinical interpretation of gait data. *Swiss Federal Institute of Technology (ETH) Lecture*, Zurich, Switzerland, 08.12.2021.
81. **Kramers-de Quervain I.** Degenerative and rheumatoid diseases. *Clinical Challenges in Musculoskeletal Disorders, Swiss Federal Institute of Technology (ETH) Master Lecture, Schulthess Clinic*, Online (e-Lecture), 22.02.2021.
82. **Kramers-de Quervain I.** Interpretation der klinischen Ganganalyse. *Interner Kurs, Klinische Ganganalyse, Schulthess Klinik*, Zürich, Schweiz, 06.01.-28.04.2021.
83. **Kretschmar U.** Live-Demo körperliche Untersuchung - Hirnnerven. *Eidgenössische Technische Hochschule (ETH) Kurs, Schulthess Klinik*, Zürich, Schweiz, 24.03.2021.
84. **Kretschmar U.** Live-Demo körperliche Untersuchung - übriges Nervensystem. *Eidgenössische Technische Hochschule (ETH) Kurs, Schulthess Klinik*, Zürich, Schweiz, 24.03.2021.
85. **Labèr R.** Konservative Behandlung der Arthrose an der Hand: what's in and what's out? *Schweizerische Gesellschaft für Handchirurgie (SGH) Weiterbildungsveranstaltung. Arthrose vs. Arthritis*, Online (e-Congress), 15.04.2021.
86. **Labèr R.** Live-Demo körperliche Untersuchung - Hand. *Eidgenössische Technische Hochschule (ETH) Kurs, Schulthess Klinik*, Zürich, Schweiz, 22.03.2021.

87. **Labèr R.** Ultrasound based measuring method of scapholunate dislocation during scaphoid shift test. *26th Congress of the Federation of European Societies for Surgery of the Hand (FESSH)*, Online (e-Congress), 16.-19.06.2021.
88. **Leunig M.** Direct anterior approach without fracture table. The Bikini technique. *2021 Asociación Argentina para el Estudio de la Cadera y la Rodilla (ACARO) Congress*, Rosario, Argentina, 22.04.2021.
89. **Leunig M.** FAI. Past, present and future. *2021 Asociación Argentina para el Estudio de la Cadera y la Rodilla (ACARO) Congress*, Rosario, Argentina, 22.04.2021.
90. **Leunig M.** Gelenkerhaltende Therapieoptionen bei Jugendlichen und jungen Erwachsenen mit M. Perthes. *69. Jahrestagung der Vereinigung Süddeutscher Orthopäden e.V. (VSOU)*, Online, 28.04.2021.
91. **Leunig M.** Hip reconstruction: the conventional approach. *Smith & Nephew EMEA Advanced Total Hip Arthroplasty through Technology Webinar*, Online, 13.07.2021.
92. **Leunig M.** Instructional Course Lecture. Advanced surgical techniques in femoroacetabular impingements: an in-depth approach. *American Academy of Orthopaedic Surgeons (AAOS) Annual Meeting 2021*, Online (e-Congress), 03.09.2021.
93. **Leunig M.** Instructional Course Lecture. Anterior total hip arthroplasty: how to minimize the learning curve and avoid complications. *American Academy of Orthopaedic Surgeons (AAOS) Annual Meeting 2021*, Online (e-Congress), 03.09.2021.
94. **Leunig M.** Live-Demo körperliche Untersuchung - Hüfte. *Eidgenössische Technische Hochschule (ETH) Kurs, Schulthess Klinik, Zürich, Schweiz, 22.03.2021.*
95. **Leunig M.** PAO. Evolution of technique and indications. *2021 Asociación Argentina para el Estudio de la Cadera y la Rodilla (ACARO) Congress*, Rosario, Argentina, 22.04.2021.
96. **Leunig M.** Prearthritic hip deformities (FAI). *Clinical Challenges in Musculoskeletal Disorders, Swiss Federal Institute of Technology (ETH) Master Lecture, Schulthess Clinic*, Online (e-Lecture), 12.04.2020.
97. **Leunig M.** Surgical hip dislocation - the dos and don'ts. *Deutscher Kongress für Orthopädie und Unfallchirurgie (DKOU) 2021*, Online, 27.10.2021.
98. **List R.** Bewegungs- und Sportbiomechanik. *Vorlesungen (376-1651-00L & 376-1651-00G), Department Gesundheitswissenschaften und Technologie, Eidgenössische Technische Hochschule (ETH), Zürich, Schweiz, Herbstsemester 2021.*
99. **List R.** Clinical and movement biomechanics. *Lectures (376-0203-00L and 376-0203-00G), Department of Health Sciences and Technology, Swiss Federal Institute of Technology (ETH), Zurich, Switzerland, Autumn Semester 2021.*
100. **List R.** Videofluoroskopie. *Interner Kurs, Klinische Ganganalyse, Schulthess Klinik, Zürich, Schweiz, 19.05.2021.*
101. **Loibl M.** Intraoperative Computernavigation: brauchen wir auch noch Roboter? *Schulthess Klinik Hausärztfortbildung, Zürich, Schweiz, 30.09.2021.*
102. **Maffioletti NA.** (1) Assessment of lower limb muscle weakness in orthopedic patients & (2) Neuromuscular electrical stimulation before and after ACL reconstruction. *Universidad de la Republica Invited e-Talks*, Montevideo, Uruguay, 16.-17.06.2021.
103. **Maffioletti NA.** (1) Le fonctionnement de l'électrostimulation: bases physiologiques et méthodologiques & (2) L'électrostimulation chez le sportif sain et blessé: intérêt et limites. *Université Libre de Bruxelles, Invited e-Talks*, 04.12.2021.
104. **Maffioletti NA.** Assessment and optimization of neuromuscular function in orthopedic and sports medicine patients. *Humanitas University Milan Invited Course*, Milan, Italy, 22.-23.04.2021.
105. **Maffioletti NA.** Evaluation and optimization of neuromuscular function in orthopedic and sports medicine patients. *University of Salzburg Invited Course*, Salzburg, Austria, 06.-07.07.2021.
106. **Maffioletti NA.** Le drive du système nerveux vers les muscles. *Réseau Romand de Médecine de l'Exercice et du Sport (RRMES). Sport, Exercice et Muscles*, Invited e-Talk, 18.03.2021.
107. **Maffioletti NA.** Lesioni muscolari in clinica della riabilitazione. L'esercizio terapeutico. *Italian Society of Physical Medicine and Rehabilitation Invited Talk*, Riccione, Italia, 04.10.2021.
108. **Maffioletti NA.** Neural control of skeletal muscle contraction. *Catholic University of Murcia Invited Course*, Murcia, Spain, 25.-26.02.2021.

109. **Maffiuletti NA.** Neuromuscular electrical stimulation: use and misuse. *Chilean Society of Movement Sciences*, Invited e-Talk, 21.10.2021.
110. **Maffiuletti NA.** Rate of force development: what, why and how. *London South Bank University*, Invited e-Talk, 13.01.2021.
111. **Maffiuletti NA.** We need more focus on explosive strength in sports rehabilitation. Evidence and practical implications. *Physio Sapiens Invited e-Talk*, Moscow, Russia, 10.03.2021.
112. **Manjaly ZM.** Fatigue – Ursache und Umgang. *Multiple Sklerose Gesellschaft Webinar*, Online, 29.04.2021.
113. **Manjaly ZM.** Live-Demo körperliche Untersuchung - Hirnnerven. *Eidgenössische Technische Hochschule (ETH) Kurs, Schulthess Klinik*, Zürich, Schweiz, 24.03.2021.
114. **Manjaly ZM.** Live-Demo körperliche Untersuchung - übriges Nervensystem. *Eidgenössische Technische Hochschule (ETH) Kurs, Schulthess Klinik*, Zürich, Schweiz, 24.03.2021.
115. **Manjaly ZM.** MBCT. *Bachelor-Studium Humanmedizin Vorlesung, Swiss Federal Institute of Technology (ETH)*, Zürich, Schweiz, 26.02.2021.
116. **Manjaly ZM.** Multiple Sklerose – ein Update. *Forum für medizinische Fortbildung - Allgemeine Innere Medizin*, Online, 15.06.2021.
117. **Manjaly ZM.** Neuromuscular diseases. *Clinical Challenges in Musculoskeletal Disorders, Swiss Federal Institute of Technology (ETH) Master Lecture, Schulthess Clinic*, Zurich, Switzerland, 17.05.2020.
118. **Manjaly ZM.** Physiologie des Cerebellums. *Bachelor-Studium Humanmedizin Vorlesung, Swiss Federal Institute of Technology (ETH)*, Zürich, Schweiz, 07.12.2021.
119. **Manjaly ZM.** Sensomotorische Funktionen des Rückenmarks. *Bachelor-Studium Humanmedizin Vorlesung, Swiss Federal Institute of Technology (ETH)*, Zürich, Schweiz, 24.11.2021.
120. **Manner HM.** Limb deformities. *Clinical Challenges in Musculoskeletal Disorders, Swiss Federal Institute of Technology (ETH) Master Lecture, Schulthess Clinic*, Online (e-Lecture), 22.03.2020.
121. **Manner HM and Leunig M.** Arthroskopische oder Mini-open Reitaillierung bei Epiphyseolysis capitis femoris. *swiss orthopaedics 81. Jahreskongress*, Online (e-Kongress), 24.-25.06.2021.
122. **Manner HM and Velasco R.** Lengthening in brachymetatarsia with an internal fixator. *swiss orthopaedics 81. Jahreskongress*, Online (e-Congress), 24.-25.06.2021.
123. **Manner HM and Velasco R.** Severe developing genu recurvatum in adolescence – the dark side of Osgood Schlatter? A review of 5 cases treated by gradual deformity correction and lengthening with the Taylor Spatial Frame. *swiss orthopaedics 81. Jahreskongress*, Online (e-Congress), 24.-25.06.2021.
124. **Marks M.** Insights into orthopaedic clinical research at the Schulthess Klinik. *Universitätsspital Zürich (USZ) Trainingskurs Molekulare Methoden. Schulthess Klinik*, Zurich, Switzerland, 03.09.2021.
125. **Marks M.** It's all about money: cost-effectiveness of CMCJ surgery. *2021 CMC Science Evidence Symposium*, Geneva, Switzerland, 02.-03.07.2021.
126. **Marks M.** Round table: how good is good enough? Minimal Important Change and Patient Acceptable Symptom State. *26th Congress of the Federation of European Societies for Surgery of the Hand (FESSH)*, Online (e-Congress), 16.-19.06.2021.
127. **Monn S.** Surface electromyography. *Laboratory course in exercise physiology (376-0207-00L). Department of Health Sciences and Technology (ETH), Schulthess Clinic*, Zurich, Switzerland, 30.09.-09.12.2021.
128. **Moro F.** Das akute Ellbogentrauma - was man dazu wissen muss? *Virtuelles Schulter- und Ellbogensymposium 2021. Schulthess Klinik*, Online (e-Kongress), 08.04.2021.
129. **Moro F.** Potential application of structural bone allograft for advanced bone loss in shoulder and elbow surgery. *European Federation of National Associations of Orthopaedics and Traumatology (EFORT) Industry Collaborative Webinar*, Online, 14.12.2021.
130. **Moro F.** Video: distal triceps-repair - how to fix it. *Elbow 2021*, Wiesbaden, Germany, 07.-09.10.2021.
131. **Moroder P.** The ABC of posterior shoulder instability. *Jahreskongress der Société Francophone d'Arthroscopie (SFA) 2021*, Geneva, Switzerland, 15.-17.12.2021.

132. **Moroder P.** Bankart Plus Technik. 38. *Jahreskongress der Gesellschaft für Arthroskopie und Gelenkchirurgie (AGA)*, Innsbruck, Österreich, 09.-11.09.2021.
133. **Moroder P.** Behandlungsstrategie nach fehlschlagener Schulterstabilisierungsoperation. *Schulthess Klinik Interne Fortbildung*, Zürich, Schweiz, 27.09.2021.
134. **Moroder P.** Functional shoulder instability - the shoulder out of rhythm. *29th Congress of the European Society for Surgery of the Shoulder and Elbow (SECEC-ESSSE)*, Poznań, Poland, 15.-18.09.2021.
135. **Moroder P.** The influence of posture on reverse total shoulder arthroplasty. *Società Italiana di Chirurgia della Spalla e del Gomito (SICSeG). Shoulder Surgery. The Experts Question Themselves. VI Edition*, Rome, Italy, 02.-04.12.2021.
136. **Moroder P.** Re-live surgery: bone block cerclage with scapular spine. *Barcelona International Arthro Shoulder (BIAS)*, Online, 02.-03.12.2021.
137. **Palla A.** CGRP-antibodies: switch or stay – what's best in the long term? *Swiss Headache Society. Headache-Symposium 2021*, Bern, Switzerland, 25.11.2021.
138. **Palla A.** Chair: trends in headache care beyond medications. *Swiss Headache Society. Headache-Symposium 2021*, Bern, Switzerland, 25.11.2021.
139. **Palla A.** Differentialdiagnose von Schwindel und Gleichgewichtsstörungen nach Gehirnerschütterung. *Schweizerische Gesellschaft für Oto-Rhino-Laryngologie (SGORL) Herbstversammlung 2021*, Interlaken, Schweiz, 11.11.2021.
140. **Palla A.** Kopfschmerzen. *Forum für medizinische Fortbildung – Innere Medizin Update Refresher Kurs*, Zürich, Schweiz, 03.12.2021.
141. **Palla A.** Post-traumatische Kopfschmerzen. *Klinisches Neurozentrum Universitätsspital Zürich (USZ). Fortbildung Donnerstag. Frühjahrssemester 2021*, Zürich, Schweiz, 04.02.2021.
142. **Palla A.** Primär Kopfschmerzen. *Universität Zürich (UZH) Mantelstudium Schmerz Frühjahrssemester 2021*, Online (e-Vorlesung), 27.04.2021.
143. **Palla A.** Primär Kopfschmerzen. *Schweizerische Gesellschaft zum Studium des Schmerzes (SGSS) Schmerzkurs 2021*, Zürich, Schweiz, 21.05.2021.
144. **Palla A.** Vor dem Einsatz einer Prophylaxe muss der Medikamentenübergebrauch reduziert werden. *TEVA Migräne Meeting 2021*, Online (e-Kongress), 18.06.2021.
145. **Porchet F.** Degenerative spine disease: pathology of the cervical spine. *Clinical Challenges in Musculoskeletal Disorders, Swiss Federal Institute of Technology (ETH) Master Lecture, Schulthess Clinic*, Online (e-Lecture), 26.04.2020.
146. **Preiss S.** ACL injuries. *Clinical Challenges in Musculoskeletal Disorders, Swiss Federal Institute of Technology (ETH) Master Lecture, Schulthess Clinic*, Online (e-Lecture), 29.03.2020.
147. **Puhakka J.** Reliability of orthopedic classification systems. *Schulthess Klinik Internal Training*, Zurich, Switzerland, 30.08.2021.
148. **Reischenböck V.** Arthrose vs. Arthritis: wo liegt der Unterschied? *Schweizerische Gesellschaft für Handchirurgie (SGH) Weiterbildungsveranstaltung. Arthrose vs. Arthritis*, Online (e-Kongress), 15.04.2021.
149. **Reischenböck V.** Die Rhizarthrose: eine Volkskrankheit. *Schweizerische Gesellschaft für Handchirurgie (SGH) Weiterbildungsveranstaltung. Arthrose vs. Arthritis*, Online (e-Kongress), 15.04.2021.
150. **Reischenböck V.** Live-Demo körperliche Untersuchung - Hand. *Eidgenössische Technische Hochschule (ETH) Kurs, Schulthess Klinik*, Zürich, Schweiz, 22.03.2021.
151. **Reitmeir R.** Rückenmarkstimulation: Weiterentwicklungen in der Schmerztherapie. *Schulthess Klinik Hausärztfortbildung*, Zürich, Schweiz, 30.09.2021.
152. **Rippstein P.** Ambulant operieren – Sicht des Fusschirurgen. *swiss orthopaedics 81. Jahreskongress*, Online (e-Kongress), 24.-25.06.2021.
153. **Rippstein P.** Auf falschem Fuss erwischt - Einlagen: was können sie, was nicht, und wie verordne ich sie? 23. *Fortbildungstag des Kollegiums für Hausarztmedizin (KHM)*, Luzern, Schweiz, 24.-25.06.2021.
154. **Ropelato MD.** Personalisierte Wirbelsäulenchirurgie: patient-specific guides. *Schulthess Klinik Hausärztfortbildung*, Zürich, Schweiz, 30.09.2021.

155. **Rüdiger H.** Interface problems (hip). *Clinical Challenges in Musculoskeletal Disorders, Swiss Federal Institute of Technology (ETH) Master Lecture, Schulthess Clinic, Online (e-Lecture)*, 11.05.2020.
156. **Rüdiger H.** Live-Demo körperliche Untersuchung - Hüfte. *Eidgenössische Technische Hochschule (ETH) Kurs, Schulthess Klinik, Zürich, Schweiz, 22.03.2021.*
157. **Rutishauser T.** Foot injuries and deformities. *Clinical Challenges in Musculoskeletal Disorders, Swiss Federal Institute of Technology (ETH) Master Lecture, Schulthess Clinic, Online (e-Lecture)*, 19.04.2020.
158. **Rutishauser T.** Live-Demo körperliche Untersuchung - Fuss-/Sprunggelenk. *Eidgenössische Technische Hochschule (ETH) Kurs, Schulthess Klinik, Zürich, Schweiz, 22.03.2021.*
159. **Rutishauser T.** Mittel- und Rückfussarthrosen. *Schulthess Klinik Interne Fortbildung, Zürich, Schweiz, 01.11.2021.*
160. **Rutishauser T.** The „Zadek“ osteotomy – about forces at the heel. *Clinical Challenges in Musculoskeletal Disorders, Swiss Federal Institute of Technology (ETH) Master Lecture, Schulthess Clinic, Zurich, Switzerland, 15.03.2021.*
161. **Scheibel M.** Anterior glenoid rim fractures - strategies in 2021. *Società Italiana di Chirurgia della Spalla e del Gomito (SICSeG). Shoulder Surgery. The Experts Question Themselves. VI Edition, Rome, Italy, 02.-04.12.2021.*
162. **Scheibel M.** Arthroscopic management of acute ACJ. *Emirates Orthopaedic Society and Dubai Shoulder Course. Webinar: Management of acromioclavicular joint dislocations, Online, 16.07.2021.*
163. **Scheibel M.** c-c Fixation: coracoid drilling cc sling vs. tunnel-free cc sling. *6th Beijing International Shoulder and Elbow Forum, Online, 14.-15.05.2021.*
164. **Scheibel M.** Chairman: reconstructive shoulder surgery - where do we stand? . *Berlin International Shoulder Course (BISC) 2021, Online (e-Congress), 07.-09.01.2021.*
165. **Scheibel M.** Evolution and current concepts of operative treatment of acromioclavicular joint injury. *29th Congress of the European Society for Surgery of the Shoulder and Elbow (SECEC-ESSSE), Poznań, Poland, 15.-18.09.2021.*
166. **Scheibel M.** Free bone block procedures - where are we now? *Berlin International Shoulder Course (BISC) 2021, Online (e-Congress), 07.01.2021.*
167. **Scheibel M.** Innovative designs in total shoulder arthroplasty. *57° Congreso Chileno de Ortopedia y Traumatología, Online (e-Congress), 17.-20.11.2021.*
168. **Scheibel M.** Round Table: bone grafting for instability. Bone block cerclage ICBG. *Barcelona International Arthro Shoulder (BIAS), Online, 02.-03.12.2021.*
169. **Scheibel M.** Round Table: papel de la artroscopia en el tratamiento de la artrosis glenohumeral. Mosaicoplastia y transplante de condrocitos autólogos (ACI). *8th Joint Spanish Association of Arthroscopy (AEA)-Spanish Knee Society (SEROD) Congress, Palma de Mallorca, Spain, 22.-25.09.2021.*
170. **Scheibel M.** Shoulder arthroplasty. *Clinical Challenges in Musculoskeletal Disorders, Swiss Federal Institute of Technology (ETH) Master Lecture, Schulthess Clinic, Online (e-Lecture)*, 10.05.2017.
171. **Schindele S.** Arthroplastische Eingriffe an den Langfingern – ist das Silikonimplantat alternativlos? *Deutscher Rheumatologiekongress 2021 Online (e-Kongress)*, 15.-18.09.2021.
172. **Schindele S.** Behandlungskonzepte der PIP-Arthroplastik. *Virtuelles Deutschsprachige Arbeitsgemeinschaft für Handchirurgie (DAH) Symposium, Online (e-Kongress)*, 07.-08.05.2021.
173. **Schindele S.** Endoprothetik des distalen Interphalangealgelenks. *61. Kongress der Deutschen Gesellschaft für Handchirurgie (DGH), Münster, Deutschland, 02.-04.09.2021.*
174. **Schindele S.** Extra-articular radius reconstruction with IPS® - the first 4 years. *Individual Patient Solutions (IPS®) Hand User Meeting 2021, Frankfurt, Germany, 16.09.2021.*
175. **Schindele S.** Hand surgery in rheumatoid arthritis. *Bone Implant Research Group (BIRG) Webinar, Online, 27.05.2021.*
176. **Schindele S.** Indikationen und Strategien bei der operativen Behandlung der rheumatischen Hand. *2021 Klausurtagung Stolzalpe gemeinsam mit der Österreichischen Gesellschaft für Handtherapie (ÖGHT), Murau, Österreich, 25.-26.06.2021.*

177. **Schindele S.** Patientenspezifische Radius-Rekonstruktion Teil 1: ein 5-Jahres-Rückblick. 61. *Kongress der Deutschen Gesellschaft für Handchirurgie (DGH)*, Münster, Deutschland, 02.-04.09.2021.
178. **Schindele S.** Solutions for complications in intra- and extra-articular radius reconstruction - previous vs. innovative treatment options. *26th Congress of the Federation of European Societies for Surgery of the Hand (FESSH)*, Online (e-Congress), 16.-19.06.2021.
179. **Schindele S.** Solutions for complications in metacarpals and phalangeal reconstruction - previous vs. innovative treatment options. *26th Congress of the Federation of European Societies for Surgery of the Hand (FESSH)*, Online (e-Congress), 16.-19.06.2021.
180. **Schindele S.** State of the art am PIP Gelenk: Oberflächenersatz oder Silastikkunstgelenk? 2021 *Klausurtagung Stolzalpe gemeinsam mit der Österreichischen Gesellschaft für Handtherapie (ÖGHT)*, Murau, Österreich, 25.-26.06.2021.
181. **Schmidt D.** Prävention im Basketball. *Basketball Sommercamp "Bölle isch Lebe"*, Zürich, Schweiz, 19.-23.07.2021.
182. **Schneider C and Hollenstein N.** Die Touch-Prothese am Daumensattelgelenk aus Sicht der Handtherapie. *54. Jahreskongress der Schweizerischen Gesellschaft für Handchirurgie (SGH)/21. Jahreskongress der Schweizerischen Gesellschaft für Handrehabilitation (SGHR)*, Zürich, Schweiz, 25.-26.11.2021.
183. **Stadelmann V.** Biomechanics of the musculoskeletal system, Department of Life Sciences Engineering lecture (ME-482). *Swiss Federal Institute of Technology Lausanne (EPFL)*, Lausanne, Switzerland, Study year 2021/2022.
184. **Stadelmann V.** Research at the lower extremities research group of Schulthess Klinik. *Swiss Bone and Mineral Society (SBMS) Meeting*, Online, 08.06.2021.
185. **Stadelmann V.** Supervisor. Orthopedic Biomechanics. Department of Life Sciences Engineering. *Swiss Federal Institute of Technology Lausanne (EPFL)*, Lausanne, Switzerland, Study year 2021/2022.
186. **Stadelmann V.** Tutor. Wissenschaftsmonat (WiMo) an der Medizinischen Fakultät. *Universität Basel*, Basel, Schweiz, Studienjahr 2021/2022. Frühjahrsemester 2022. 28.02.-25.03.2022.
187. **Startseva X.** Das DIP-Gelenk bei der Arthrose: to fuse or not to fuse? *Schweizerische Gesellschaft für Handchirurgie (SGH) Weiterbildungsveranstaltung. Arthrose vs. Arthritis*, Online (e-Congress), 15.04.2021.
188. **Startseva X.** Radiusfrakturen. *Schulthess Klinik Interne Fortbildung*, Zürich, Schweiz, 22.11.2021.
189. **Steinhauser S.** Postoperatives Schmerzmanagement. *Schulthess Klinik Interne Fortbildung*, Zürich, Schweiz, 08.11.2021.
190. **Tedeus M.** Plattfüsse bei Kindern und Jugendlichen. *Schulthess Klinik Interne Fortbildung*, Zürich, Schweiz, 04.10.2021.
191. **Vetsch A.** Radiofrequenzablation. *Schulthess Klinik Interne Fortbildung*, Zürich, Schweiz, 29.11.2021.
192. **Wendelspiess R.** Moderation: Expertenrunde. 9. *Rapid Recovery Symposium*, Online (e-Kongress), 22.-23.04.2021.
193. **Wirth B.** Die Schulter streikt - was nun? Häufige Probleme unseres beweglichsten Gelenkes in Wort und Bild - die hausärztlichen Möglichkeiten werden aufgezeigt. *44. Ärztekongress Arosa 2021*, Arosa, Schweiz, 25.-26.03.2021.
194. **Wirth B.** Re-Live-Operation: superiore Kapselrekonstruktion bei RM-Ruptur. *Virtuelles Schulter- und Ellbogensymposium 2021. Schulthess Klinik*, Online (e-Kongress), 08.04.2021.
195. **Wirth B.** Rotator cuff surgery - open questions in 2021. Upper third subscapularis tears. No need to repair! *Berlin International Shoulder Course (BISC) 2021*, Online (e-Congress), 07.-09.01.2021.
196. **Wirth B.** Schulterreckgelenkpathologien - aktueller Stand der Versorgung. *Virtuelles Schulter- und Ellbogensymposium 2021. Schulthess Klinik*, Online (e-Kongress), 08.04.2021.
197. **Worlicek M.** Kniegelenksluxationen. *Schulthess Klinik Interne Fortbildung*, Zürich, Schweiz, 15.11.2021.
198. **Worlicek M.** Traumatic knee dislocation - step by step approach in the acute setting. *Société Francophone d'Arthroscopie (SFA) Congress*, Geneva, Switzerland, 15.-17.12.2021.

199. **Zenk E.** Sport-Ernährung: wie sinnvoll sind Supplements beim Athleten? *Schulthess Klinik Interne Fortbildung*, Zürich, Schweiz, 20.09.2021.
200. **Zima B.** Neuropathischer Schmerz. *Schulthess Klinik Interne Fortbildung*, Zürich, Schweiz, 25.10.2021.
201. **Zwicky S.** Live-Demo körperliche Untersuchung - Fuss-/Sprunggelenk. *Eidgenössische Technische Hochschule (ETH) Kurs, Schulthess Klinik*, Zürich, Schweiz, 22.03.2021.

Dissertationen, Diplomarbeiten

1. **Bünteli P.** *Videofluoroscopic evaluation of the influence of a gradually reducing femoral radius on knee ligament elongation patterns during daily activities in total knee arthroplasty* (Master in Health Sciences and Technology (Medical Technology)). Zurich, Switzerland: Swiss Federal Institute of Technology (ETH), 2021. Supervisor: List R.
2. **Brunner R.** *Injury prevention in ice hockey* (PhD). Lucerne, Switzerland: University of Lucerne, 2021. Supervisor: Maffioletti NA.
3. **Douma M.** *Sex-specific differences in hip muscle cross-sectional area and fatty infiltration in patients with femoroacetabular impingement syndrome* (Master of Science Physiotherapy). Bern, Switzerland: Bern University of Applied Sciences (BFH), 2021. Supervisor: Maffioletti NA.
4. **Hasler D.** *Correlation of compartmental acoustic emission features of the knee with tibial bone microstructure and cartilage morphology* (Master in Health Sciences and Technology (Human Movement Sciences and Sport)). Zurich, Switzerland: Swiss Federal Institute of Technology (ETH), 2021. Supervisor: Maffioletti NA.
5. **Holzer EM.** *Validation of a surgical invasiveness index in patients with lumbar spinal disorders registered in the Spine Tango registry* (Medical Doctor). Zurich, Switzerland: University of Zurich, 2021. Supervisor: Mannion AF.
6. **Pfeifle J.** *Should we use unilateral or bilateral tasks to assess maximal and explosive knee extensor strength in patients with knee osteoarthritis? A cross-sectional study* (Master of Science Physiotherapy). Winterthur, Switzerland: Zurich University of Applied Sciences (ZHAW), 2021. Supervisor: Maffioletti NA.
7. **Schmid K.** *Der Einfluss von Belastungs- und Erholungsfaktoren sowie der Ernährung auf das Auftreten von Verletzungen bei jungen Eliteathleten* (Master of Science). Basel, Schweiz: Universität Basel, 2021. Supervisor: Gerber M.
8. **Zehnder P.** *Predicting the likelihood of complications in patients undergoing surgery for degenerative disorders of the lumbar spine: model development* (Medical Doctor). Zurich, Switzerland: University of Zurich, 2021. Supervisor: Mannion AF

Andere

1. **Blümel S, Stephan A, Stadelmann VA and Velasco R.** Perkutane Achillessehnenverlängerung bei ausgeprägten flexiblen Plattfüssen mit Triceps surae Kontraktur bei Kleinkindern. *JATROS Orthopädie & Traumatologie Rheumatologie* 05: 6, 2021.
2. **Denzler R.** Rückenschmerzen, das Hauptproblem der Dentalhygieniker*innen. *Dimensions. Swiss Dental Hygienists Fachzeitschrift*. 02/2021: 6-10, 2021.
3. **Dora C, Thiesmeyer B, Tobler G, Drobny T and Bossert A.** GLA:D® Gutes Leben mit Arthrose. *Swiss Golf* 02: 60-61, 2021.
4. **Drobny T and Bossard A.** So wird Golf noch gesünder. *Swiss Golf* 01: 56-57, 2021.
5. **Etter M and Forster A.** Das geschwollene Gelenk. *der informierte @rzt* 11: 22-26, 2021.
6. **Forster A.** Interview. CongressSelection Rheumatologie. Biologikatherapien können die Impfantwort stark beeinflussen. *Ars Medici* 9: 4-6, 2021.
7. **Forster A.** Interview. Stellenwert von COX-2-Hemmern im modernen Arthrosemanagement. *Medical Tribune* 54: 10, 2021.
8. **Reischenböck V.** Wo kommt das denn her? *Glückspost* 32-33, 2021.

9. **Ropelato MD and Porchet F.** Die lumbale Spinalkanalstenose. Übersicht über eine der häufigsten Ursachen einer Gehstreckenverminderung im Alter. *der informierte @rzt* 11: 7-9, 2021.
10. **Salzmann G, Drobny T, Bossert A and Tobler G.** Meniskus – das Verschleissteil verdient Beachtung. *Swiss Golf* 06: 36-37, 2021.
11. **Schindele S.** "Mini-Hüft-TP" am Daumen? Daumensattelgelenksprothese zur Behandlung der Rhizarthrose. *LEADING OPINIONS Orthopädie & Rheumatologie* 33-35, 2021.
12. **Vachenauer R and Rippstein P.** Die "Flexorenkette" und ihre häufigsten Pathologien Teil 1. *Fuss & Schuh* 147(4): 5-7, 2021.
13. **Vachenauer R and Rippstein P.** Die "Flexorenkette" und ihre häufigsten Pathologien Teil 2. *Fuss & Schuh* 147(5): 5-8, 2021.
14. **Zenk E.** Interview. Wassereinlagerungen in Armen und Beinen – was dagegen hilft. *NZZ Bellevue. Reisen & Entdecken*, 28.06.2021.