

Universitätsklinik für Orthopädische Chirurgie und Traumatologie

Jahresbericht 2024

Inhaltsverzeichnis

Personelles.....	3
Forschung und Lehre	3
Preise/Ehrungen.....	3
Drittmittel	3
Originalarbeiten	5
Originalarbeiten Kollaborationen	10
Übrige Publikationen	15
Poster	16
Vorträge	19
Organisation Kurse/Symposien	23
Fakultät bei Kursen/Symposien	23
Instruktor bei Kursen/Symposien.....	24
Abstracts	26
Vorsitz/Rundtischdiskussion bei Kursen/Symposien	26
Zusätzliche Lehrleistungen.....	27
Habilitation.....	27
Stipendien	28
Masterarbeiten	28
Dissertationen	28

Personelles

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Stv. Klinikdirektor

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Teamleiter/Teamleiter-Stv./Leitende Ärzte, Chefarzt Orthogeriatric

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PD Dr. M. Deml, Co-Leiter	Wirbelsäule
Prof. Dr. Dr. F. Klenke	Tumorchirurgie
Dr. E. Liechti	Knie und Sportverletzungen
PD Dr. M. Schär, Leiter	Obere Extremität und Sport
PD Dr. Anwender Helen	Sprunggelenk und Fuss
Prof. T. Lustenberger	Sprunggelenk und Fuss, Traumatologie

Spitalfachärzte/Oberärzte/OA-Stv.

Dr. med. univ. Aregger Fabian	Dr. med. Hanke Markus	Dr. med. Leibold Christiane
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PD Dr. Hecker Andreas	Dr. med. Kurze Christophe	
PD Dr. Häckel Sonja	Dr. med. Kuttner Hannes	

Konsiliarii

Prof. M. Keel

Prof. F. Krause

Prof. Siebenrock Klaus

Assistenzärzte

Adamonis Saulius, dipl. Arzt	Haxhibeqiri Atdhe	Schaible Samuel, dipl. Arzt
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Dr. med. Butler Christopher	Kuijpers Daniël, dipl. Arzt	Westerkamp Robert, dipl. Arzt
Chantzara Andromachi, dipl. Ärztin	Lupi Valérie, dipl. Ärztin	Dr. med. Wetzel Oliver
Erbach Georg, dipl. Arzt	Dr. med. Matsangos Michael	
Gussarow Philipp, dipl. Arzt	Nachtsheim Julian, Dr. med.	
	Papaccio Gabriele, dipl. Arzt	

Wissenschaftliche Ärzte und Mitarbeiter

Dr. med. Corluka Slavko	Wissenschaftlicher Assistenzarzt Obere Extremität
Erdbrink Stephanie, dipl Ärztin	Wissenschaftliche Assistenzärztin Obere Extremität
Prof. Gantenbein Benjamin	Tissue Engineering, Orthopaedic Research & Mechanobiology
PD Dr. Gerber Kate	Personalised Medicine Research
Dr. med. Gerber Nicolas	Personalised Medicine Research
PD Dr. Henle Philipp	Orthopädie Sonnenhof
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Prof. Dr. Hunziker E.-B.	Zentrum für Regenerative Medizin der Skelettalen Gewebe
Dr. med. Meier Malin	Wissenschaftliche Assistenzärztin Hüfte
Dr. med. univ. Rosardt Jose	Wissenschaftlicher Assistenzarzt Hüfte

Forschung und Lehre

Preise/Ehrungen

Crump KB, Segarra-Queralt M, Bermudez Lekerika P, Geris L, Noailly J, Gantenbein B.

ESB Youngster Poster Award:

29th Congress of the European Society of Biomechanics, Edinburgh, UK, 30 June - 3 July, 2024.

Effects of compression and TNF on human cartilaginous endplate cells in 3D agarose culture.

Crump KB, Segarra-Queralt M, Bermudez-Lekerika P, Kanelis E, Alexopoulos LG, Noailly J, Gantenbein B:

Best Podium Presentation Award of the PSRS ORS Spine Section:

ORS Spine Section PSRS 7th International Spine Research Symposium, 10-14 Nov, Skytop, Lodge, Pennsylvania, 2024.

TNF Induces Catabolism in Cartilaginous Endplate Cells in 3D Culture under Static and Dynamic Compression.

Lerch TD, Kaim TK, Leimbacher T, Klenke FM, Liechti EF

ESSR Sports Subcommittee Award 2024

European Society of Musculoskeletal Radiology

Combined femoral and tibial torsional malalignment in symptomatic patients with patellar instability and patellar dislocation

Häckel S, Stienen MN, Martens B, Neuhaus V, Albers CE

Best Investigator Initiated Clinical Trial (IICT)

Day of Clinical Research, DCR University of Bern, November 28 2024

Outcome of surgical versus primary non-surgical treatment of traumatic thoracolumbar spine burst fractures in patients without neurological symptoms - A Study Protocol

Drittmittel

Bastian JD

MLR Stiftung

Management of fragility fractures facilitated with in a holistic approach, ,

CHF 422'674

2024-2026

Bastian JD, Gerber N

Schweizerischer Nationalfonds SNSF

Expanding acetabular fracture classification using 3D CT anal-ysis and deep learning techniques",

Project number: 320030-227496

CHF 613'610

2024-2027

Gantenbein B., Wöltje Michael, Albers Christoph

SNF Weave Agency

Fibre-based 3D implants from regenerated silk fibroin for intervertebral disc regeneration II (TeX-Disk)

CHF 433'913

2024-2027

Gewiess J

Swiss Orthopaedics

Spinopelvic dissociations related to insufficiency fractures of the sacrum: Bi-centric, prospective non-inferiority randomized trial

Betrag: CHF 20'000

Dauer: 2025-2026

Hess S, Liechti E:

Swiss Orthopaedics

The effect of posterior tibial slope alteration and lateral extra-articular tenodesis on anterolateral rotatory instability of the knee - a biomechanical cadaver study simulating athletic tasks and pivot shift test
CHF 20'000.-

Monastyrskaya K, Schoeberlein A, Stroka D, Luciani P, Gazdhar A, Gantenbein B:

R-Equip Grant for Equipment by SNF

Comprehensive extracellular vesicle analysis using Microfluidic Resistive Pulse Sensing (MRPS) with fluorescence - Spectradyn's ARC Particle Analyzer
CHF 101,000

Schoeberlein A, Stroka D, Luciani P, Monastyrskaya K, Gazdhar A, Gantenbein B:

Sitem-Insel Support Funds (SISF)

Advanced omics approaches to characterise the nucleic acid cargo of extracellular vesicles (EVs) for diagnostics and therapy

CHF 285'000

2024-2027

Häckel S, Holtmann J

University of Bern's Digitalization Commission (DigiK), Grant Call for Perspective Projects 2024

Development of the 'Medimile' App to Promote Mentoring in Medicine

CHF 20'000.-

2024

Häckel S

Bernese Association of Swiss Assistant and Senior Physicians (VSAO), Grant 2024

Medimile - The future of mentoring in medicine: An innovative platform for networking and support

CHF 20'000.-

2024

Halm S, Rieser J, Lutz N, Aaldijk D, Bangerter C, Wangler S, Tschanz S:

Förderung innovativer Lehre in der Medizin Projektantrag FILMED FS 2024

Angewandte Anatomie – interprofessioneller, praktischer Kurs Physiotherapie – Medizin

CHF 40'000

2024-2025

Corluka S, Schär M, Weihs J:

Medacta, Bern

Development of a Bioreactor of the human Enthesis Stipendium für die Anstellung eines PhD Studenten

CHF 66'000

2024

Gerber K, Schär M:

Sitem-insel Support Fund SIFS 2024

The biomechanics of anteroinferior shoulder instability – A 3D dynamic analysis

CHF 125'000

Gerber K, Schär M:

Schweizerischer Nationalfonds SNF

KI basierte Projekt zur Erforschung der Schultergelenksinstabilität

CHF 813'000

Originalarbeiten

Aregger FC, Gewiess J, Albers CE, Deml MC, Schaible S, Hoppe S, Tinner C: Evaluation of the true lateral fluoroscopic projection for the relation of the S1 recess/foramen to safe corridors in transiliac-transsacral screw placement in human cadaveric pelvis. *Eur J Orthop Surg Traumatol*. 2024 Nov 28;35(1):31. doi: 10.1007/s00590-024-04157-5. PMID: 39607619; PMCID: PMC11604772.

Aregger FC, Kreuzer S, Häckel S, Bigdon SF, Tinner C, Erbach G, Deml MC, Albers CE: Return to sports/activity level after 360° thoracolumbar fusion after burst fractures in young patients. *Brain Spine*. 2024 Jan 23;4:102762. doi: 10.1016/j.bas.2024.102762. PMID: 38510642; PMCID: PMC10951747.

Aregger FC, Gerber F, Albers C, Oswald K, Knoll C, Benneker L, Heini P, Berlemann U, Hoppe S. Long-term follow-up after vertebroplasty - A mean 10-years follow-up control study. *Brain Spine*. 2024 Apr 3;4:102783

Bermudez-Lekerika P, Crump KB, Wuertz-Kozak K, Le Maitre CL, Gantenbein B: Sulfated Hydrogels as Primary Intervertebral Disc Cell Culture Systems. *Gels* 2024;10.

Bermudez-Lekerika P, Tseranidou S, Kanelis E, Nüesch A, Crump KB, Alexopoulos LG, Wuertz-Kozak K, Noailly J, Le Maitre CL, Gantenbein B: Ex Vivo and In Vitro Proteomic Approach to Elucidate the Relevance of IL-4 and IL-10 in Intervertebral Disc Pathophysiology. *JOR Spine*. 2025 Feb 10;8(1):e70048. doi: 10.1002/jsp2.70048. PMID: 39931581; PMCID: PMC11808320.

Bertolo A, Valido E, Stoyanov J: Optimized bacterial community characterization through full-length 16S rRNA gene sequencing utilizing MinION nanopore technology. *BMC Microbiol*. 2024 Feb 16;24(1):58. doi: 10.1186/s12866-024-03208-5. PMID: 38365589; PMCID: PMC10870487.

Bigdon SF, Müller M, Rutsch N: Injury. 2024 Apr;55(4):111453. doi: 10.1016/j.injury.2024.111453. Epub 2024 Feb 27. Reply to Letter to the Editor "Cervical spine trauma - Evaluating the diagnostic power of CT, MRI, X-ray and Lodox".

Bigdon SF, Vialle E, Dandurand C, Scherer J, Camino-Willhuber G, Joaquim AF, Chhabra HS, El-Sharkawi M, Bransford R, Fisher CG, Schnake KJ, Schroeder GD: AO KF Trauma and Infection Members. Streamlining the Journey of Research Into Clinical Practice: Making Your Patients and Practice Flourish Evaluation and Treatment of Pyogenic Spondylodiscitis of the Spine: AO Spine Knowledge Forum Trauma and Infection. *Global Spine J*. 2025 Jan 24;21925682251316814. doi: 10.1177/21925682251316814. Epub ahead of print. PMID: 39852953; PMCID: PMC11760070.

Brune D, Stojanov T, Müller AM, Weibel D, Hunziker S, Erdbrink S: ARCR_Pred Study Group; Audigé L. Understanding preoperative health-related quality of life in rotator cuff tear patients: role of patients' characteristics. *BMC Musculoskelet Disord*. 2024 Dec 4;25(1):992. doi: 10.1186/s12891-024-08099-1. PMID: 39633338; PMCID: PMC11619111.

Camino-Willhuber G, Bigdon S, Dandurand C, Dvorak MF, Öner CF, Schnake K, Muijs S, Benneker LM, Vialle E, Tee JW, Keynan O, Chhabra HS, Joaquim AF, Popescu EC, Canseco JA, Holas M, Kanna RM, Aly MM, Fallah N, Schroeder GD, Spiegl U, El-Skarkawi M, Bransford RJ, Rajasekaran S, Vaccaro AR. *Global Spine J*. 2024 Feb;14(1_suppl):49S-55S. doi: 10.1177/21925682231194456. Expert Opinion, Real-World Classification, and Decision-Making in Thoracolumbar Burst Fractures Without Neurologic Deficits? (Equal Contribution First Author)

Chen S, Bigdon S, Riether C, Ma X, Niu X, Häckel S, Li Z, Gantenbein B: The Role of the Bone Morphogenetic Protein Antagonist Noggin in Nucleus Pulposus Intervertebral Disc Cells. *Int J Mol Sci*. 2024 Nov 2;25(21):11803. doi: 10.3390/ijms252111803. PMID: 39519354; PMCID: PMC11546912.

Chen S, Bigdon S, Riether C, Ma X, Niu X, Häckel S, Li Z, Gantenbein B: The Role of the Bone Morphogenetic Protein Antagonist Noggin in Nucleus Pulposus Intervertebral Disc Cells *International Journal of Molecular Sciences* 2024;25.

Chen S, Croft AS, Bigdon S, Albers CE, Li Z, Gantenbein B: Conditioned Medium of Intervertebral Disc Cells Inhibits Osteo-Genesis on Autologous Bone-Marrow-Derived Mesenchymal Stromal Cells and Osteoblasts. *Biomedicines* 2024;12:376.

Franken V, Blümel S, Schwab JM, Tannast M: Can surface landmarks help us identify the gibson interval during surgical hip dislocation: a study of 617 hips. *Arch Orthop Trauma Surg.* 2024 Dec 18;145(1):67. doi: 10.1007/s00402-024-05622-w. PMID: 39694892; PMCID: PMC11655569.

Gantenbein B, Oswald KAC, Erbach GF, Croft AS, Bermudez-Lekerika P, Strunz F, Bigdon SF, Albers CE: The bone morphogenetic protein 2 analogue L51P enhances spinal fusion in combination with BMP2 in an in vivo rat tail model. *Acta Biomater.* 2024 Mar 15;177:148-156. doi: 10.1016/j.actbio.2024.01.039. Epub 2024 Feb 6. PMID: 38325708.

Gewiess J, Albers CE, Keel MJB, Frihagen F, Rommens PM, Bastian JD: Chronic pelvic insufficiency fractures and their treatment. *Arch Orthop Trauma Surg.* 2024 Dec 21;145(1):76. doi: 10.1007/s00402-024-05717-4. PMID: 39708227; PMCID: PMC11663159.

Gewiess J, Kreuzer S, Eggimann AK, Bertschi D, Bastian JD: Definitions and adverse outcomes of sarcopenia in older patients in orthopedic and trauma care: A scoping review on current evidence. *Eur J Trauma Emerg Surg.* 2024 Oct;50(5):2039-2051. doi: 10.1007/s00068-024-02541-8. Epub 2024 May 8. PMID: 38717485; PMCID: PMC11599307.

Gewiess J, Roth YE, Heini P, Benneker LM, Albers CE.: Transiliac-Transsacral Screw Fixation is Superior to Lumbopelvic Stabilization in the Treatment of Minimally Displaced Sacral H-/U-Type Fragility Fractures. *Global Spine J.* 2024 Jul 26:21925682241268141.

Häckel S, Gaff J, Pabbruwe M, Celenza A, Kern M, Taylor P, Miles A, Cunningham G: Heterotopic ossification, osteolysis and implant failure following cervical total disc replacement with the M6-C™ artificial disc. *Eur Spine J.* 2024 Mar;33(3):1292-1299. doi: 10.1007/s00586-024-08129-5. Epub 2024 Feb 16. PMID: 38363365.

Häckel S, Haldemann L, Finsterwald M, Yates P: Improved postoperative kneeling ability in posterior stabilized total knee arthroplasty with medialized dome-patella resurfacing: A retrospective comparative outcome analysis. *J ISAKOS.* 2024 Apr;9(2):153-159. doi: 10.1016/j.jisako.2023.12.008. Epub 2023 Dec 28. PMID: 38159866.

Häckel S, Oswald KAC, Koller L, Benneker LM, Benneker LA, Sadiqi S, Oner FC, Deml MC: Reliability and Validity of the German Version of the AO Spine Patient Reported Outcome Spine Trauma Questionnaire. *Global Spine J.* 2024 Jul;14(6):1771-1777. doi: 10.1177/21925682231156124. Epub 2023 Feb 7. PMID: 36751047; PMCID: PMC11268291.

Hanauer M, Arnaud PB, Moosmann AM, Heimann AF, Laurençon J, Marti D, Zurmühle CA, Tannast M: Conflit fémoro-acétabulaire : traitement [Femoroacetabular impingement : treatment]. *Rev Med Suisse.* 2024 Oct 30;20(893):2005-2010. French. doi: 10.53738/REVMED.2024.20.893.2005. PMID: 39478381.

Hanauer M, Moosmann AM, Arnaud PB, Heimann AF, Laurençon J, Marti D, Zurmühle CA, Tannast M: Conflit fémoro-acétabulaire : concept et diagnostic [Femoroacetabular impingement in 2024 : concept and diagnosis]. *Rev Med Suisse.* 2024 Sep 25;20(888):1728-1733. French. doi: 10.53738/REVMED.2024.20.888.1728. PMID: 39323277.

Heimann AF, Murmann V, Schwab JM, Tannast M: Influence of acetabular and femoral morphology on pelvic tilt. *Bone Joint J.* 2024 May 1;106-B(5 Supple B):3-10. doi: 10.1302/0301-620X.106B5.BJJ-2023-0690.R1. PMID: 38688494.

Heimann AF, Todorski IAS, Schmaranzer F, Viganò M, Lerch TD, Schwab JM, Steppacher SD, Tannast M: What Is the Influence of Femoral Version on Size, Tear Location, and Tear Pattern of the Acetabular Labrum in Patients With FAI? *Clin Orthop Relat Res.* 2024 Sep 1;482(9):1582-1594. doi: 10.1097/CORR.0000000000002961. Epub 2024 Jan 16. PMID: 38231022; PMCID: PMC11343535.

Heimann AF, Wagner M, Vavron P, Brunner A, Donners R, Schmaranzer E, Steppacher SD, Tannast M, Sutter R, Schmaranzer F: CT-guided infiltration of the ischiofemoral space in young patients with ischiofemoral impingement is an effective diagnostic tool. *Insights Imaging*. 2024 Oct 7;15(1):235. doi: 10.1186/s13244-024-01815-4. PMID: 39373936; PMCID: PMC11458842.

Henle P, van Rooij F, Agu C, Eggli S: Anterior cruciate ligament repair using dynamic intraligamentary stabilization grants 88.5% survival at minimum follow-up of 5 years. *Knee Surg Sports Traumatol Arthrosc*. 2024 Aug 20. doi: 10.1002/ksa.12417. Epub ahead of print. PMID: 39162350.

Hess H, Oswald A, Rojas JT, Läderrmann A, Zumstein MA, Gerber K: Deep learning algorithms enable MRI-based scapular morphology analysis with values comparable to CT-based assessments. *Sci Rep*. 2025 Jan 10;15(1):1591. doi: 10.1038/s41598-024-84107-7. PMID: 39794358; PMCID: PMC11724003.

Hess S, Husarek J, Müller M, Eberlein SC, Klenke FM, Hecker A: Applications and accuracy of 3D-printed surgical guides in traumatology and orthopaedic surgery: A systematic review and meta-analysis. *J Exp Orthop*. 2024 Aug 12;11(3):e12096. doi: 10.1002/jeo2.12096. PMID: 39135870; PMCID: PMC11317891.

Holtmann JA, Kipfer B, Lehmann B, Galanis M, Hautz W, Exadaktylos A: Iatrogenic STEMI in a male trauma patient due to coronary artery compression by a left sided chest tube. *Am J Emerg Med*. 2025 Jan 19:S0735-6757(25)00048-8. doi: 10.1016/j.ajem.2025.01.040. Epub ahead of print. PMID: 39909802.

Hunziker EB, Nishii N, Shintani N, Lippuner K, Keel MJB, Vögelin E: The Chondrogenic Potential of the Bovine Tendon Sheath— a Novel Source of Stem Cells for Cartilage Repair. *Stem Cells*, XX: 1-13, 2024 (doi.org/10.1093/stmcls/sxae071).

Karampinas P, Galanis A, Vavourakis M, Tzortzis D, Sakellariou E, Zachariou D, Karampitanis S, Vlamis J, Pneumáticos S: The role of Genicular Radiofrequency Ablation in the Management of Persistent Pain after Total Knee Arthroplasty. *J Long Term Eff Med Implants*. 2024;34(3):37-41.

Lang S, Neuheff J, Hohenberger C, Häckel S: Editorial: Surgical treatment of spinal infections: management of spondylodiscitis and implant-associated vertebral osteomyelitis. *Front Surg*. 2024 Jul 23;11:1455162. doi: 10.3389/fsurg.2024.1455162. PMID: 39108286; PMCID: PMC11300366.

Lerch TD, Meier MK, Hanke MS, Boschung A, Schmaranzer F, Siebenrock KA, Tannast M, Steppacher SD: Rotational femoral osteotomies and cam resection improve hip function and internal rotation for patients with anterior hip impingement and decreased femoral version. *J Hip Preserv Surg*. 2023 Jul 26;11(2):85-91. doi: 10.1093/jhps/hnad018. PMID: 39070203; PMCID: PMC11272641.

Liechti EF, Linke P, Gehrke T, Citak M, Lausmann C: Outcomes of rotating versus pure hinge knee arthroplasty in the setting of one-stage exchange for periprosthetic joint infection. *Int Orthop*. 2024 Jul;48(7):1751-1759. doi: 10.1007/s00264-024-06139-y. Epub 2024 Apr 1. PMID: 38558190.

Meier MK, Helfenstein RA, Boschung A, Nanavati A, Ruckli A, Lerch TD, Gerber N, Jung B, Afacan O, Tannast M, Siebenrock KA, Steppacher SD, Schmaranzer F: A deep learning approach for automatic 3D segmentation of hip cartilage and labrum from direct hip MR arthrography. *Sci Rep*. 2025 Feb 7;15(1):4662. doi: 10.1038/s41598-025-86727-z. PMID: 39920175; PMCID: PMC11805980.

Milavec H, Gasser VT, Ruder TD, Deml MC, Hautz W, Exadaktylos A, Benneker LM, Albers CE: Supplementary value and diagnostic performance of computed tomography scout view in the detection of thoracolumbar spine injuries. *Emerg Radiol*. 2024 Feb;31(1):63-71. doi: 10.1007/s10140-023-02196-9. Epub 2024 Jan 9. PMID: 38194212.

Oswald A, Menze J, Hess H, Jacxsens M, Rojas JT, Läderrmann A, Schär M, Ferguson SJ, Zumstein MA, Gerber K: Effect of patient-specific scapular morphology on the glenohumeral joint force and shoulder muscle force equilibrium: a study of rotator cuff tear and osteoarthritis patients. *Front Bioeng Biotechnol*. 2024 May 14;12:1355723. doi: 10.3389/fbioe.2024.1355723. PMID: 38807649; PMCID: PMC11132099.

Rutsch N, Schmaranzer F, Amrein P, Müller M, Albers CE, Bigdon SF. Scand J Trauma Resusc Emerg Med. 2024 Jul 22;32(1):63. doi: 10.1186/s13049-024-01235-9. The hidden value of MRI: modifying treatment decisions in C-spine injuries.

Schaefer RO, Rutsch N, Schnake KJ, Aly MM, Camino-Willhuber G, Holas M, Spiegl U, Muijs S, Albers CE, Bigdon SF: Rigid spine injuries - A comprehensive review on diagnostic and therapeutic challenges. Brain Spine. 2024 Apr 15;4:102811. doi: 10.1016/j.bas.2024.102811. PMID: 38681176; PMCID: PMC11052905.

Schaible SF, Häckel S, Rutsch N, Aregger FC, Bigdon SF, Schoenborn V, Broger I, Albers CE, Tinner C: Outcomes of odontoid fractures with associated cardiac arrest: retrospective bi-center case series and systematic literature review. Scand J Trauma Resusc Emerg Med. 2024 Oct 29;32(1):105. doi: 10.1186/s13049-024-01277-z. PMID: 39472996; PMCID: PMC11523649.

Schaible SF, Hamann C, Grunt S, Aregger FC, Deml MC: Case report: C1/2 rotational instability progressing to extreme subaxial hyperkyphosis in an adolescent with severe catatonia. Brain Spine. 2024 Jan 6;4:102747. doi: 10.1016/j.bas.2024.102747. PMID: 38510616; PMCID: PMC10951775.

Schaible SF, Hanke MS, Tinner C, Bastian JD, Albers CE, Keel MJB: Corona mortis: clinical evaluation of prevalence, anatomy, and relevance in anterior approaches to the pelvis and acetabulum. Eur J Orthop Surg Traumatol. 2024 Apr;34(3):1397-1404. doi: 10.1007/s00590-023-03808-3. Epub 2024 Jan 10. PMID: 38197970; PMCID: PMC10980617.

Schimmelpenning VH, Brugger R, Rommers N, Kunst J, Jäger M, Albers CE, Milavec H: Treatment Outcomes in Spinal Tumors According to Patients' Perspectives: A Focus on Indeterminate Spinal Instability. Curr Oncol. 2025 Jan 13;32(1):38. doi: 10.3390/curroncol32010038. PMID: 39851954; PMCID: PMC11763783.

Schnake KJ, Dvorak MF, Öner CF, Dandurand C, Muijs S, Bigdon SF: What Factors Influence Surgeons in Decision-Making in Thoracolumbar Burst Fractures? A Survey-Based Investigation of a Panel of Spine Surgery Experts. Global Spine J. 2024 Feb;14(1_suppl):62S-65S. doi: 10.1177/21925682231211286. PMID: 38324596; PMCID: PMC10867535.

Siebenrock KA, Steppacher SD, Ziebarth K, Schwab JM, Büchler L: Modified Dunn Procedure for Open Reduction of Chronic Slipped Capital Femoral Epiphysis. JBJS Essent Surg Tech. 2024 Jul 5;14(3):e23.00072. doi: 10.2106/JBJS.ST.23.00072. PMID: 38975588; PMCID: PMC11221854.

Siebenrock KA: Editorial Comment: Selected Proceedings From the 2023 Bernese Hip Symposium. Clin Orthop Relat Res. 2024 Sep 1;482(9):1547-1549. doi: 10.1097/CORR.0000000000003213. Epub 2024 Aug 19. PMID: 39162640; PMCID: PMC11343515.

Stetzelberger VM, Segessenmann JT, Cek C, Popa V, Schwab JM, Zurmühle CA, Heimann AF, Tannast M: Validation of a computerized model for a new biomechanical concept- the fossa-foveolar mismatch- the answer to lesions of the ligamentous fossa-foveolar complex in the hip? Arch Orthop Trauma Surg. 2024 Sep;144(9):4207-4215. doi: 10.1007/s00402-024-05508-x. Epub 2024 Sep 23. PMID: 39311942; PMCID: PMC11564260.

Torabi Rahvar PT, Abdekhodaie MJ, Jooybar E, Gantenbein B: An enzymatically crosslinked collagen type II/hyaluronic acid hybrid hydrogel: A biomimetic cell delivery system for cartilage tissue engineering. Int J Biol Macromol 2024;279:134614.

Vasilopoulou A, Karampitianis S, George GD, Giannoudis PV: Incidence of complications and functional outcomes following segmental femoral shaft fractures: a critical review of literature. Eur J Orthop Surg Traumatol. 2024 Aug;34(6):2891-2902.

von Aesch AV, Häckel S, Kämpf T, Baur H, Bastian JD: Audio-biofeedback versus the scale method for improving partial weight-bearing adherence in healthy older adults: a randomised trial. *Eur J Trauma Emerg Surg.* 2024 Dec;50(6):2915-2924. doi: 10.1007/s00068-024-02609-5. Epub 2024 Aug 17. PMID: 39154064; PMCID: PMC11666709.

Wangler S, Elias M, Schoepke L, Merky DN, Meier R, Vögelin E: Cat bite injuries to the hand and forearm: the impact of antibiotic treatment on microbiological findings and clinical outcome. *Arch Orthop Trauma Surg.* 2024 May;144(5):2443-2447. doi: 10.1007/s00402-024-05277-7. Epub 2024 Mar 28. PMID: 38546860; PMCID: PMC11093789.

Wangler S, Hofmann J, Moser HL, Kuenzler M, Egli RJ, Schaer M: Image Correlation Between Digitally Reconstructed Radiographs, C-arm Fluoroscopic Radiographs, and X-ray: A Phantom Study. *Cureus.* 2024 Jan 8;16(1):e51868. doi: 10.7759/cureus.51868. PMID: 38327943; PMCID: PMC10849007.

Wangler S, Kohlprath R, Erdbrink S, Kuenzler M, Moser HL, Schär M: Isolated Fracture of the Greater Tuberosity: Prediction of Superior and Posterior Fracture Displacement on Plain Radiographs. *J Shoulder Elbow Surg.* 2024 Dec 23:S1058-2746(24)00939-X. doi: 10.1016/j.jse.2024.10.021. Epub ahead of print. PMID: 39722336.

Ziebarth K, Lerch TD, Kaim T, Schwab JM, Steppacher SD, Tannast M, Siebenrock KA: Low Rate of AVN and Complications in Unstable SCFE With Epiphyseal-metaphyseal Discontinuity After Treatment With a Modified Dunn Procedure. *Clin Orthop Relat Res.* 2024 Sep 1;482(9):1598-1610. doi: 10.1097/CORR.0000000000003123. Epub 2024 May 14. PMID: 39226523; PMCID: PMC11343521.

Originalarbeiten Kollaborationen

- Aly MM, Bigdon SF, Speigl UJA, Camino-Willhuber G, Baeesa S, Schnake KJ. Brain Spine. 2024 Mar 21;4:102787. doi: 10.1016/j.bas.2024.102787. eCollection 2024. Towards a standardized reporting of the impact of magnetic resonance imaging on the decision-making of thoracolumbar fractures without neurological deficit: Conceptual framework and proposed methodology.
- Aly MM, Dandurand C, Dvorak MF, Öner CF, Schnake K, Muijs S, Benneker LM, Vialle E, Rajasekaran S, El-Skarkawi M, Kanna RM, Holas M, Popescu EC, Tee JW, Camino-Willhuber G, Joaquim AF, Kenyan O, Chhabra HS, Bigdon S, Spiegel U, Schroeder GD, Canseco JA, Vaccaro AR, Bransford RJ: The Influence of Commminution and Posterior Ligamentous Complex Integrity on Treatment Decision Making in Thoracolumbar Burst Fractures Without Neurologic Deficit? Global Spine J. 2024 Feb;14(1_suppl):41S-48S. doi: 10.1177/21925682231196452. PMID: 38324603; PMCID: PMC10867527.
- Aregger FC, Kreuzer S, Häckel S, Bigdon SF, Tinner C, Erbach G, Deml MC, Albers CE. Brain Spine. 2024 Jan 23;4:102762. doi: 10.1016/j.bas.2024.102762. eCollection 2024. Return to sports/activity level after 360° thoracolumbar fusion after burst fractures in young patients.
- Barrera Uso M, Boillat R, Blümel S, Schwab JM, Tannast M, Petek D: Drop in survivorship 13 years after AMIC procedures in aligned knees: A long-term follow-up. Knee Surg Sports Traumatol Arthrosc. 2024 Nov;32(11):2950-2958. doi: 10.1002/ksa.12354. Epub 2024 Jul 10. PMID: 38984906.
- Baum, C., Audigé, L., Stojanov, T., Müller, S. A., Candrian, C., ARCR_Pred Study Group, Müller, A. M., Rosso, C., Fankhauser, L., Willscheid, G., Moroder, P., Akgün, D., Danzinger, V., Gebauer, H., Imiolczyk, J. P., Karpinski, K., Lacheta, L., Minkus, M., Paksoy, A., Samaniego, E., Erdbrink S., ... Mueller, A. M. (2024). Functional and Radiologic Outcomes of Degenerative Versus Traumatic Full-Thickness Rotator Cuff Tears Involving the Supraspinatus Tendon. The American journal of sports medicine, 52(2), 441–450. <https://doi.org/10.1177/03635465231219253>
- Blasimann A, Busch A, Henle P, Bruhn S, Vissers D, Baur H: Bilateral neuromuscular control in patients one year after unilateral ACL rupture or reconstruction. A cross-sectional study. Heliyon. 2024 Jan 11;10(2):e24364. doi: 10.1016/j.heliyon.2024.e24364. PMID: 38268828; PMCID: PMC10803901.
- Blümel S, Hanauer M, Heimann A, Tannast M, Schwab JM: Cost and resource comparison analysis for THA in Switzerland and Austria. Int J Technol Assess Health Care. 2024 Oct 17;40(1):e36. doi: 10.1017/S0266462324000321. PMID: 39417297; PMCID: PMC11569899.
- Brune, D., Stojanov, T., Müller, A. M., Weibel, D., Hunziker, S., Erdbrink, S., ARCR_Pred Study Group, & Audigé, L. (2024). Understanding preoperative health-related quality of life in rotator cuff tear patients: role of patients' characteristics. BMC musculoskeletal disorders, 25(1), 992. <https://doi.org/10.1186/s12891-024-08099-1>
- Camino-Willhuber G, Bigdon S, Dandurand C, Dvorak MF, Öner CF, Schnake K, Muijs S, Benneker LM, Vialle E, Tee JW, Keynan O, Chhabra HS, Joaquim AF, Popescu EC, Canseco JA, Holas M, Kanna RM, Aly MM, Fallah N, Schroeder GD, Speigl U, El-Skarkawi M, Bransford RJ, Rajasekaran S, Vaccaro AR: Expert Opinion, Real-World Classification, and Decision-Making in Thoracolumbar Burst Fractures Without Neurologic Deficits? Global Spine J. 2024 Feb;14(1_suppl):49S-55S. doi: 10.1177/21925682231194456. PMID: 38324602; PMCID: PMC10867532.
- Canseco JA, Paziuk T, Schroeder GD, Dvorak MF, Öner CF, Benneker LM, Vialle E, Rajasekaran S, El-Sharkawi M, Bransford RJ, Kanna RM, Holas M, Muijs S, Popescu EC, Dandurand C, Tee JW, Camino-Willhuber G, Aly MM, Joaquim AF, Keynan O, Chhabra HS, Bigdon S, Speigl UJ, Schnake K, Vaccaro AR: Interobserver Reliability in the Classification of Thoracolumbar Fractures Using the AO Spine TL Injury Classification System Among 22 Clinical Experts in Spine Trauma Care. Global Spine J. 2024 Feb;14(1_suppl):17S-24S. doi: 10.1177/21925682231202371. PMID: 38324600; PMCID: PMC10867533.

Chen S, Bigdon S, Riether C, Ma X, Niu X, Häckel S, Li Z, Gantenbein B. Int J Mol Sci. 2024 Nov 2;25(21):11803. doi: 10.3390/ijms252111803. The Role of the Bone Morphogenetic Protein Antagonist Noggin in Nucleus Pulposus Intervertebral Disc Cells.

Chen S, Croft AS, Bigdon S, Albers CE, Li Z, Gantenbein B. Biomedicines. 2024 Feb 6;12(2):376. doi: 10.3390/biomedicines12020376. Conditioned Medium of Intervertebral Disc Cells Inhibits Osteo-Genesis on Autologous Bone-Marrow-Derived Mesenchymal Stromal Cells and Osteoblasts.

Chidida A, Soares S, Nogueira P, Schwab JM, Tannast M, Seidel A: Osteosynthesis with anatomic reduction after malleolar fractures improves ten years outcome: a single center trial. Eur J Orthop Surg Traumatol. 2024 Nov 26;35(1):28. doi: 10.1007/s00590-024-04153-9. PMID: 39589566; PMCID: PMC11599394.

Dandurand C, Dvorak MF, Hazenbiller O, Bransford RJ, Schnake KJ, Vaccaro AR, Benneker LM, Vialle E, Schroeder GD, Rajasekaran S, El-Skarkawi M, Kanna RM, Aly MM, Holas M, Canseco JA, Muijs S, Popescu EC, Tee JW, Camino-Willhuber G, Joaquim AF, Keynan O, Chhabra HS, Bigdon S, Spiegel U, Öner CF: Using Equipose to Determine the Radiographic Characteristics Leading to Agreement on Best Treatment for Thoracolumbar Burst Fractures Without Neurologic Deficits. Global Spine J. 2024 Feb;14(1_suppl):25S-31S. doi: 10.1177/21925682231215770. PMID: 38324599; PMCID: PMC10867529.

Dandurand C, Fallah N, Öner CF, Bransford RJ, Schnake K, Vaccaro AR, Benneker LM, Vialle E, Schroeder GD, Rajasekaran S, El-Skarkawi M, Kanna RM, Aly M, Holas M, Canseco JA, Muijs S, Popescu EC, Tee JW, Camino-Willhuber G, Joaquim AF, Keynan O, Chhabra HS, Bigdon S, Spiegel U, Dvorak MF: Predictive Algorithm for Surgery Recommendation in Thoracolumbar Burst Fractures Without Neurological Deficits. Global Spine J. 2024 Feb;14(1_suppl):56S-61S. doi: 10.1177/21925682231203491. PMID: 38324597; PMCID: PMC10867536.

Dandurand C, Öner CF, Hazenbiller O, Bransford RJ, Schnake K, Vaccaro AR, Benneker LM, Vialle E, Schroeder GD, Rajasekaran S, El-Skarkawi M, Kanna RM, Aly M, Holas M, Canseco JA, Muijs S, Popescu EC, Tee JW, Camino-Willhuber G, Joaquim AF, Keynan O, Chhabra HS, Bigdon S, Spiegel U, Dvorak MF: Understanding Decision Making as It Influences Treatment in Thoracolumbar Burst Fractures Without Neurological Deficit: Conceptual Framework and Methodology. Global Spine J. 2024 Feb;14(1_suppl):8S-16S. doi: 10.1177/21925682231210183. PMID: 38324598; PMCID: PMC10867530.

Daskalakis II, Kritsotakis EI, Karantanas AH, Kontakis GM, Bastian JD, Tosounidis TH: Application of an in-hospital, surgeon-led anti-osteoporotic medication algorithm in patients with hip fractures improves persistence to medication and can prevent the second fragility fracture. Arch Orthop Trauma Surg. 2024 Feb;144(2):683-692. doi: 10.1007/s00402-023-05132-1. Epub 2023 Dec 3. PMID: 38044337.

Deiss V, Bähler P, Kolly P, Schärer A, Henle P, Eichelberger P, Lutz N, Baur H. Test-retest reliability and concurrent validity assessment of a novel high-frequency sensor device for anterior tibial translation measurement in loaded and unloaded condition: an exploratory cross-sectional study. BMC Musculoskelet Disord. 2024 Mar 16;25(1):218

Demetriades AK, Mavrovounis G, Deml MC, Soe KM, Buser Z, Meisel HJ: AO Spine Knowledge Forum Degenerative. What Is the Evidence Surrounding the Cost- Effectiveness of Osteobiologic Use in ACDF Surgery? A Systematic Review of the Literature. Global Spine J. 2024 Feb;14(2_suppl):163S-172S. doi: 10.1177/21925682221148139. Epub 2023 Jan 2. PMID: 36592140; PMCID: PMC10913911.

Dudle A, Gugler Y, Satir OB, Gewiess J, Klein S, Zysset P: QCT-based spatio- temporal aging atlas of the proximal femur BMD and cortical geometry. Bone Rep. 2024 Jul 2;22:101786. doi: 10.1016/j.bonr.2024.101786. PMID: 39676843; PMCID: PMC11639439.

Flury T, Gerber J, Anwander H, Müller M, Jakob DA, Exadaktylos A, Klingberg K: Who was at risk of trauma-related injuries during the COVID-19 pandemic? A retrospective study from a level 1 trauma centre in Switzerland. Swiss Med Wkly. 2024 Jan 20;154:3539. doi: 10.57187/s.3539. PMID: 38579330

Fontanella L, Schwab JM, Chidda A, Tannast M, Seidel A: The Mid- and Long- Term Consequences After Surgically Treated Lisfranc Injuries: A Case Series and Review of the Literature. *Cureus*. 2024 Nov 27;16(11):e74591. doi: 10.7759/cureus.74591. PMID: 39734990; PMCID: PMC11675455.

Galanis A, Karampitanis S, Vlamis J, Karampinas P, Vavourakis M, Vlachos C, Papagrigorakis E, Zachariou D, Sakellariou E, Varsamos I, Patilas C, Tsiplakou S, Papaioannou V, Kamariotis S: *Corynebacterium striatum* Periprosthetic Hip Joint Infection: An Uncommon Pathogen of Concern?. *Healthcare (Basel)*. 2024 Jan 21;12(2):273.

Galanis A, Vavourakis M, Karampitanis S, Karampinas P, Sakellariou E, Tsalimas G, Varsamos I, Kaspiris A, Vasiliadis E. Double Segmental Femoral Fracture: A Rare Injury Following High-Energy Trauma. *J Med Cases*. 2024 Oct;15(10):297-303.

Gantenbein B, Oswald KAC, Erbach GF, Croft AS, Bermudez-Lekerika P, Strunz F, Bigdon SF, Albers CE. *Acta Biomater*. 2024 Mar 15;177:148-156. doi: 10.1016/j.actbio.2024.01.039. Epub 2024 Feb 6. The bone morphogenetic protein 2 analogue L51P enhances spinal fusion in combination with BMP2 in an in vivo rat tail model.

Gao X, Zhong W, Wang R, Heimann AF, Tannast M, Zheng G: MAIRNet: weakly supervised anatomy-aware multimodal articulated image registration network. *Int J Comput Assist Radiol Surg*. 2024 Mar;19(3):507-517. doi: 10.1007/s11548-023-03056-0. Epub 2024 Jan 18. PMID: 38236477.

Heimann AF, Gautier E, Schwab JM, Wahl P, Tannast M, Levrat E, Raabe I: Metallosis-Induced Warm Antibody Auto-Immune Hemolytic Anemia After Bilateral, Large-Diameter Metal-on-Metal Total Hip Arthroplasty With Complete Remission After Revision. *Arthroplast Today*. 2024 Aug 3;29:101471. doi: 10.1016/j.artd.2024.101471. PMID: 39185399; PMCID: PMC11342758.

Heimann AF, Wagner M, Vavron P, Brunner A, Donners R, Schmaranzer E, Steppacher SD, Tannast M, Sutter R, Schmaranzer F: CT-guided infiltration of the ischiofemoral space in young patients with ischiofemoral impingement is an effective diagnostic tool. *Insights Imaging*. 2024 Oct 7;15(1):235. doi: 10.1186/s13244-024-01815-4. PMID: 39373936; PMCID: PMC11458842.

Helmstetter T, Maniglio M, Fornaciari P, Tannast M, Vial P: Open reduction and internal fixation of modified Mason type III/IV radial head fractures with more than three fragments: an analysis of the clinical outcome and reoperation rate. *Eur J Orthop Surg Traumatol*. 2024 Feb;34(2):1121-1130. doi: 10.1007/s00590-023-03772-y. Epub 2023 Nov 14. PMID: 37962633; PMCID: PMC10858131.

Husarek J, Hess S, Razaiean S, Ruder TD, Sehmisch S, Müller M, Liodakis E: Artificial intelligence in commercial fracture detection products: a systematic review and meta-analysis of diagnostic test accuracy. *Sci Rep*. 2024 Oct 4;14(1):23053. doi: 10.1038/s41598-024-73058-8. PMID: 39367147; PMCID: PMC11452402.

Joaquim AF, Bigdon SF, Bransford R, Chhabra HS, Yurac R, Kumar V, El- Sharkawi M, Benneker LM, Karamian BA, Canseco JA, Scherer J, Hassan AA, Schroeder GD, Öner CF, Rajasekaran S, Vialle E, Kanna RM, Vaccaro AR, Tee J, Camino-Willhuber G, Fisher CG, Dvorak MF, Schnake KJ: AO Spine Knowledge Forum Trauma & Infection. Streamlining the Journey of Research Into Clinical Practice: Making Your Patients and Practice Flourish Optimizing Management and Minimizing Risk of Osteoporotic Vertebral Fractures - Perspectives of the AO Spine KF Trauma and Infection Group Key Opinion Leaders. *Global Spine J*. 2024 Nov;14(8):2216-2224. doi: 10.1177/21925682241278953. Epub 2024 Aug 24. PMID: 39180743; PMCID: PMC11529091.

Jonczyk ML, Büchler L, Mahenthiran Y, Helfenstein F, Apenzeller-Herzog C, Isaak A: Epidemiology, clinical manifestation, diagnosis, and treatment of bursitis iliopsoas: A systematic review. *SAGE Open Med*. 2025 Feb 3;13:20503121251317899. doi: 10.1177/20503121251317899. PMID: 39902068; PMCID: PMC11789115.

Kweh BTS, Tee JW, Dandurand C, Vaccaro AR, Lorin BM, Schnake K, Vialle E, Rajasekaran S, El-Skarkawi M, Bransford RJ, Kanna RM, Aly MM, Holas M, Canseco JA, Muijs S, Popescu EC, Camino-Willhuber G, Joaquim AF, Chhabra HS, Bigdon SF, Spiegel U, Dvorak M, Öner CF, Schroeder G: The AO Spine Thoracolumbar Injury Classification System and Treatment Algorithm in Decision Making for Thoracolumbar Burst Fractures Without Neurologic Deficit. *Global Spine J.* 2024 Feb;14(1_suppl):32S-40S. doi: 10.1177/21925682231195764. PMID: 38324601; PMCID: PMC10867534.

Lerch TD, Huber FA, Bredella MA, Steppacher SD, Tannast M, Vicentini JRT, Torriani M: MRI 3D simulation of hip motion in female patients with and without ischiofemoral impingement. *Skeletal Radiol.* 2024 Jan;53(1):67-73. doi: 10.1007/s00256-023-04376-7. Epub 2023 Jun 3. PMID: 37269382.

Lerch TD, Kaim T, Grob V, Hanke M, Schmaranzer F, Steppacher SD, Busch JD, Ziebarth K: MR-based Bony 3D models enable radiation-free preoperative patient-specific analysis and 3D printing for SCFE patients. *J Child Orthop.* 2024 Feb 29;18(2):162-170. doi: 10.1177/18632521241229618. PMID: 38567038; PMCID: PMC10984152.

Lerch TD, Nanavati AK, Heimann AF, Meier MK, Steppacher SD, Wagner M, Brunner A, Vavron P, Schmaranzer E, Schwab JM, Tannast M, Schmaranzer F: Are degenerative findings detected on traction MR arthrography of the hip associated with failure of arthroscopic femoroacetabular impingement surgery? *Eur Radiol.* 2024 Jun;34(6):3555-3565. doi: 10.1007/s00330-023-10419-3. Epub 2023 Nov 20. PMID: 37982837; PMCID: PMC11166863.

Orth P, Albers CE, Maderbacher G, Waldstein W. Report from the 2023 Austrian-Swiss-German Fellowship. *J Bone Joint Surg Am.* 2024 Jul 25

Orth P, Albers CE, Maderbacher G, Waldstein W: Report from the 2023 Austrian- Swiss-German Fellowship. *J Bone Joint Surg Am.* 2024 Jul 25. doi: 10.2106/JBJS.24.00588. Epub ahead of print. PMID: 39052761.

Rauber C, Lüscher D, Poux L, Schori M, Deml MC, Hasler CC, Bassani T, Galbusera F, Büchler P, Schmid S: Predicted vs. measured paraspinal muscle activity in adolescent idiopathic scoliosis patients: EMG validation of optimization-based musculoskeletal simulations. *J Biomech.* 2024 Jan;163:111922. doi: 10.1016/j.jbiomech.2023.111922. Epub 2024 Jan 6. PMID: 38220500.

Razaeian S, Husarek J, Wangler S, Dewald CLA, Al-Mousllie I, Zhang D: Development of the humeral head offset index for control of humeral torsion. *BMC Musculoskelet Disord.* 2024 Sep 9;25(1):724. doi: 10.1186/s12891-024-07812-4. PMID: 39251988; PMCID: PMC11382425.

Rupp MC, Moser LB, Hess S, Angele P, Aurich M, Dyrna F, Nehrer S, Neubauer M, Pawelczyk J, Izadpanah K, Zellner J, Niemeyer P; AGA-Komitee Innovation und Translation. Orthopaedic surgeons display a positive outlook towards artificial intelligence: A survey among members of the AGA Society for Arthroscopy and Joint Surgery. *J Exp Orthop.* 2024 Jul 6;11(3):e12080. doi: 10.1002/jeo2.12080. PMID: 38974054; PMCID: PMC11227606.

Sadiqi S, de Gendt EEA, Muijs SPJ, Post MWM, Benneker LM, Holas M, Tee JW, Albers CE, Häckel S, Svac J, Bransford RJ, El-Sharkawi MM, Kandziora F, Rajasekaran S, Schnake KJ, Vaccaro AR, Öner FC: Validation of the AO Spine CROST (Clinician Reported Outcome Spine Trauma) in the clinical setting. *Eur Spine J.* 2024 Apr;33(4):1607-1616. doi: 10.1007/s00586-024-08145-5. Epub 2024 Feb 17. PMID: 38367026.

Safari F, Yeoh WJ, Perret-Gentil S, Klenke F, Dolder S, Hofstetter W, Krebs P: SHIP1 deficiency causes inflammation-dependent retardation in skeletal growth. *Life Sci Alliance.* 2024 Feb 22;7(5):e202302297. doi: 10.26508/lsa.202302297. PMID: 38388173; PMCID: PMC10883774.

Schaible SF, Häckel S, Rutsch N, Aregger FC, Bigdon SF, Schoenborn V, Broger I, Albers CE, Tinner C. *Scand J Trauma Resusc Emerg Med.* 2024 Oct 29;32(1):105. doi: 10.1186/s13049-024-01277-z. Outcomes of odontoid fractures with associated cardiac arrest: retrospective bi-center case series and systematic literature review.

Scheyerer MJ, Bigdon SF, Gaudin R, Gercek E, Müller CW, Osterhoff G, Pumberger M, Ryang YM, Scholz C, Schömig F, Spiegl UJA, Taheri N, Schnake KJ. Z Orthop Unfall. 2024 Aug;162(4):429-443. doi: 10.1055/a-2190-3115. Epub 2024 Aug 8. [Cervical Spine Injuries].

Schmaranzer F, Becker TA, Heimann AF, Roshardt J, Schwab JM, Murphy SB, Steppacher SD, Tannast M, Lerch TD: Femoral head decentration on hip MRI: comparison between imaging planes, methods of contrast administration, and hip deformities. Insights Imaging. 2024 Aug 1;15(1):184. doi: 10.1186/s13244-024-01777-7. PMID: 39090350; PMCID: PMC11294319.

Schmaranzer F, Movahhedi M, Singh M, Kallini JR, Nanavati AK, Steppacher SD, Heimann AF, Kiapour AM, Novais EN: Computed tomography-based automated 3D measurement of femoral version: Validation against standard 2D measurements in symptomatic patients. J Orthop Res. 2024 Oct;42(10):2237-2248. doi: 10.1002/jor.25865. Epub 2024 Apr 27. PMID: 38678375.

Segarra-Queralt M, Crump K, Pascuet-Fontanet A, Gantenbein B, Noailly J: The interplay between biochemical mediators and mechanotransduction in chondrocytes: Unravelling the differential responses in primary knee osteoarthritis Physics of life reviews 2024;48:205-221.

Seidel A, Chidda A, Perez V, Krause F, Zderic I, Gueorguiev B, Lalonde KA, Meulenkamp B: Biomechanical Effects of Hindfoot Alignment in Supination External Rotation Malleolar Fractures: A Human Cadaveric Model. Foot Ankle Int. 2024 Jul;45(7):764-772. doi: 10.1177/10711007241241075. Epub 2024 Apr 15. PMID: 38618682.

Staempfli JS, Kistler-Fischbacher M, Gewiess J, Bastian JD, Eggimann AK: The Validity of Muscle Ultrasound in the Diagnostic Workup of Sarcopenia Among Older Adults: A Scoping Review. Clin Interv Aging. 2024 May 30;19:993-1003. doi: 10.2147/CIA.S463917. PMID: 38831963; PMCID: PMC11146336.

Thürig G, Usó MB, Panadero-Morales R, Galley J, Schwab J, Heimann A, Tannast M, Petek D: Validation of CLASS MRI for personalized ACL footprints identification. Knee Surg Sports Traumatol Arthrosc. 2024 Dec 15. doi: 10.1002/ksa.12555. Epub ahead of print. PMID: 39675027.

Tourvas EA, Zibis AH, Klontzas ME, Karantanas AH, Bastian JD: Tosounidis TH. The rectus abdominis tendon insertion to the pubic bone and its clinical implications: A cadaveric study. SICOT J. 2025;11:4. doi: 10.1051/sicotj/2024053. Epub 2025 Jan 20. PMID: 39831723; PMCID: PMC11744990.

Wang R, Heimann AF, Tannast M, Zheng G: CycleSGAN: A cycle-consistent and semantics-preserving generative adversarial network for unpaired MR-to-CT image synthesis. Comput Med Imaging Graph. 2024 Oct;117:102431. doi: 10.1016/j.compmedimag.2024.102431. Epub 2024 Sep 4. PMID: 39243464.

Wellauer H, Heuberger R, Gautier E, Tannast M, Steinke H, Wahl P: Reply to the Letter to the editor from Grappiolo G et al. to the article 'The History of the development of the regular straight stem in hip arthroplasty'. EFORT Open Rev. 2024 Feb 1;9(2):148-149. doi: 10.1530/EOR-23-0177. PMID: 38306795; PMCID: PMC10873242.

Übrige Publikationen

Baur H, Schmid S, Liechti EF, Bähler P, Eichelberger P. Gang- und Bewegungsanalyse in Wissenschaft und Praxis. APO-Revue (Schweizerische Arbeitsgemeinschaft für Prothesen und Orthesen). 43:12-16. 2024

Häckel S, Deml C: Validität und Reliabilität der deutschen Version des AO-Spine-PROST-Fragebogens. LEADING OPINIONS, Springer, Berlin, 1/2024.

Häckel S, Gaff J, Celenza A, Cunningham G, Kern M, Taylor P, Miles A: Structured Titanium TLIF Cage with and without Adjacent Level Dynamic Stabilization - A Retrospective 1-Year Follow-Up Study. Preprint from Research Square, 05 Apr 2024.

Häckel S, Stienen M, Martens B, Neuhaus V, Albers CE: Study Protocol for a Randomized Controlled Clinical Trial on the Outcome of Surgical Versus Primary Nonsurgical Treatment of Traumatic Thoracolumbar Spine Burst Fractures in Patients Without Neurological Symptoms—A34RCT. Neurosurgery Practice, Oxford University Press, Oxford, 5(2):e00091, June 2024.

Lang S, Neuhoff J, Hohenberger C, Häckel S: Editorial: Surgical treatment of spinal infections: management of spondylodiscitis and implant-associated vertebral osteomyelitis. Front Surg, Frontiers Media, Lausanne, 11/2024.

Schaefer RO, Rutsch N, Schnake KJ, Aly MM, Camino-Willhuber G, Holas M, Spiegl U, Muijs S, Albers CE, Bigdon SF. Rigid spine injuries - A comprehensive review on diagnostic and therapeutic challenges. Brain Spine. 2024 Apr 15;4:102811

Schmaranzer F, Meier MK, Sutter R: Femoroacetabular Impingement: Preoperative Planning and Postoperative MR Imaging Evaluation. Magn Reson Imaging Clin N Am. 2025 Feb;33(1):29-41. doi: 10.1016/j.mric.2024.06.003. Epub 2024 Jul 29. PMID: 39515959.

Poster

Bermudez-Lekerika P, Tseranidou S, Kanelis E, Nüesch A, Crump KB, Alexopoulos LG, Wuertz-Kosak K, Le Maitre CL, Noailly J, Gantenbein B: In vitro and Ex vivo Proteomic Approach to Elucidate IL-4 and IL-10 Role in Intervertebral Disc Degeneration. ORS PSRS 7th International Spine Research Symposium, 10-14 Nov, Skytop, Lodge, Pennsylvania, 2024.

Chen S, Bigdon S, Häckel S, Albers C, Li Z, Gantenbein B: Noggin Expression in Human Nucleus Pulposus Cells: A Comparative Study of Degenerative and Healthy Intervertebral Discs. PSRS Meeting, Skytop, USA, 2024.

Chen S, Bigdon S, Riether C, Ma X, Niu X, Häckel S, Li Z, Gantenbein B: Silencing Noggin in Human Nucleus Pulposus Cells: Inhibitory Effects on Cell Activity. ORS PSRS 7th International Spine Research Symposium, 10-14 Nov, Skytop, Lodge, Pennsylvania, 2024.

Chen S, Croft AS, Bigdon S, Li Z, Albers CE, Crump KB, Bermudez Lekerika P, Gantenbein B: Conditioned medium of intervertebral disc cells inhibits osteogenesis on autologous bone-marrow-derived mesenchymal stromal cells and osteoblasts. 50th International Society for the Study of the Lumbar Spine Annual Meeting 2024, 27-31 May, Milano, Italy, 2024.

Chlorogiannis DD, Melissinos E, Konstantinidis CI, Karampitanis S, Madouros N, Stamoulis N, Filippiadis D: Focused ultrasound and external beam radiation therapy for painful bone metastasis: a systematic review and meta-analysis. CIRSE Annual Congress 2024, Lisbon, Portugal, September 14-18, 2024

Crump KB, de Graaf K, Bermudez Lekerika P, Le Maitre CL, Noailly J, Gantenbein B: Investigation of the combined effects of a catabolic microenvironment and complex mechanical loading on intervertebral disc degeneration. 50th International Society for the Study of the Lumbar Spine Annual Meeting 2024, 27-31 May, Milano, Italy, 2024.

Crump KB, De Graaft K, Bermudez Lekerika P, Le Maitre CL, Noailly J, Gantenbein B: Complex mechanical loading and inflammation in intervertebral disc degeneration. 29th Congress of the European Society of Biomechanics, Edinburgh, UK, 30 June - 3 July, 2024.

Crump KB, Muñoz-Moya E, de Graaf K, Bermudez Lekerika P, Le Maitre CL, Noailly J, Gantenbein B: Complex Mechanical Loading and Pro-Inflammatory Cytokines in Intervertebral Disc Degeneration. ORS PSRS 7th International Spine Research Symposium, 10-14 Nov, Skytop, Lodge, Pennsylvania, 2024.

Gantenbein B, Oberli A, Mengis T, Bonel H, Albers CE, Hausmann O, Distler O, Dudli S: Do Cells of Intervertebral Discs with type 1 Modic Change on MRI show a History of Impaired Spinal Fusion? 50th International Society for the Study of the Lumbar Spine Annual Meeting 2024, 27-31 May, Milano, Italy, 2024.

Gantenbein B, Torabi Rahvar P, Kumar A, Wöltje M: Tissue Engineering with Silk for Intervertebral Disc Regeneration. ORS PSRS 7th International Spine Research Symposium, 10-14 Nov, Skytop, Lodge, Pennsylvania, 2024.

Gussarow P, Gewiess J, Hoppe S, Bigdon SF, Albers CE: Adjacent segment pathologies after dorsal lumbar stabilization with dynamic topping-off constructs. 84. Jahreskongress swiss orthopaedics 2024, Lausanne, Schweiz, 26.06.2024

Häckel S, Christen S, Vögelin E, Keel MJB: A Technical Note on the Pararectus Approach for Safe Exposure of the Lumbosacral Plexus. DCR Day of Clinical Research, Bern, Schweiz, November 28, 2024.

Häckel S, Christen S, Vögelin E, Keel MJB: A Technical Note on the Pararectus Approach for Safe Exposure of the Lumbosacral Plexus. 84. Jahreskongress Swiss Orthopaedics, Bern, Schweiz, Juni 26–28, 2024.

Häckel S, Gaff J, Miles A, Taylor P, Kern M, Cunningham G: First Long-Term Follow-Up of Cervical Total Disc Replacement with the M6-C™ Artificial Cervical Disc Reveals Wear-Related Osteolysis. 84. Jahreskongress Swiss Orthopaedics, Bern, Schweiz, Juni 26–28, 2024.

Häckel S, Gaff J, Miles A, Taylor P, Kern M, Cunningham G: First Long-Term Follow-Up of Cervical Total Disc Replacement with the M6-C™ Artificial Cervical Disc Reveals Wear-Related Osteolysis. DCR Day of Clinical Research, Bern, Schweiz, November 28, 2024.

Häckel S, Oswald KAC, Koller L, Benneker LM, Benneker AL, Sadiqi S, Oner FC, Deml MC: Reliability and Validity of the German Version of the AOSpine Patient Reported Outcome Spine Trauma (PROST)-Questionnaire. 84. Jahreskongress Swiss Orthopaedics, Bern, Schweiz, Juni 26–28, 2024.

Häckel S, Stienen MN, Martens B, Neuhaus V, Albers CE: Study Protocol for a Randomized Controlled Clinical Trial on the Outcome of Surgical Versus Primary Non-Surgical Treatment of Traumatic Thoracolumbar Spine Burst Fractures in Patients Without Neurological Symptoms. DCR Day of Clinical Research, Bern, Schweiz, November 28, 2024.

Häckel S, Stienen MN, Martens B, Neuhaus V, Albers CE: Study Protocol for a Randomized Controlled Clinical Trial on the Outcome of Surgical Versus Primary Non-Surgical Treatment of Traumatic Thoracolumbar Spine Burst Fractures in Patients Without Neurological Symptoms. 84. Jahreskongress Swiss Orthopaedics, Bern, Schweiz, Juni 26–28, 2024.

Häckel S: Outcome of Surgical Versus Primary Non-Surgical Treatment of Traumatic Thoracolumbar Spine Burst Fractures in Patients Without Neurological Symptoms - A Study Protocol. 16th Symposium Graduate School for Health Sciences, Studienzentrums Gerzensee, Schweiz, Oktober 31–November 1, 2024.

Hess H, Gussarow P, Rojas T, Zumstein MA, Gerber K: Deep-learning based posterosuperior full thickness tear size assessment on MRI shows higher accuracy compared to interobserver variability. 84. Jahreskongress swiss orthopaedics 2024, Lausanne, Schweiz, 26.06.2024

Karampitanis S, Mayfield C, Weber A, Gamradt S, Liu JN, Petrigliano F: The effect of Peripheral Nerve Block On Opioid Utilization and Complications in Total Shoulder Arthroplasty. 25th EFORT Annual Congress, Hamburg, Germany, May 22-24, 2024

Laagland LT, Poramba Liyanage DWL, Bensadoun P, Soubeyrand M, Desprat R, Camus A, Lemaitre J, Gantenbein B, Tryfonidou MA: Employing epigenetic memory and native instructive stimuli to stimulate iPS-NLC differentiation. 50th International Society for the Study of the Lumbar Spine Annual Meeting 2024, 27-31 May, Milano, Italy, 2024.

Laagland LT, Salzer E, Fabra GT, Schmitz TC, Warin J, Joyce K, Le Maitre CL, Gantenbein B, Camus A, Ito K, Pandit A, Tryfonidou MA: A Bioactive Hydrogel Based on Notochordal Cell-derived Matrix for Nucleus Pulposus Regeneration. ORS PSRS 7th International Spine Research Symposium, 10-14 Nov, Skytop, Lodge, Pennsylvania, 2024.

Meng H, Verrier S, Häckel S, Grad S, Li Z: An In Vitro 3D Osteoarthritis Model Focusing on Angiogenesis of Subchondral Bone and Cartilage Degradation. OARSI Conference, Milan, Italy, April 25–28, 2024.

Meng H, Verrier S, Häckel S, Grad S, Li Z: Human joint-in-lab: a 3D tissue model to investigate mechanisms and therapeutics of osteoarthritis. Graubünden forscht Conference, Davos, Schweiz, September 19–20, 2024.

Nüesch A, Ferri MP, Kanelis E, Crump KB, Alexopoulos LG, Williams F, Gantenbein B, Lacey M, Le Maitre CL: Bacterial presence within the intervertebral disc and their potential effect. ORS PSRS 7th International Spine Research Symposium, 10-14 Nov, Skytop, Lodge, Pennsylvania, 2024.

Rüttimann S, Schlagenhof L, Ille F, Gantenbein B: Exploring a Novel Spheroid 3D Cell Culture System for Tie2 + Nucleus Pulposus Cells of the Intervertebral Disc. 50th International Society for the Study of the Lumbar Spine Annual Meeting 2024, 27-31 May, Milano, Italy, 2024.

Schaible SF, Tinner C, Hanke MS, Bastian JD, Albers CE, Keel MJB: Corona Mortis: Clinical Evaluation of Prevalence, Anatomy, and Relevance in Anterior Approaches to the Pelvis and Acetabulum. 15th Congress of the European Hip Society, Bern, Schweiz, Oktober 12-13, 2023.

Schaible SF, Tinner C, Hanke MS, Bastian JD, Albers CE, Keel MJB: Corona Mortis: Clinical Evaluation of Prevalence, Anatomy, and Relevance in Anterior Approaches to the Pelvis and Acetabulum. 5th Swiss Orthogeriatrics Day, Bern, Schweiz, September 12, 2023.

Stirnemann A, Schlagenhof L, Gantenbein B, Ille F: A comparative analysis of tie2-positive IVD progenitor cells in single-cell and bulk transcriptomics. 50th International Society for the Study of the Lumbar Spine Annual Meeting 2024, 27-31 May, Milano, Italy, 2024.

Torabi Rahvar P, Schlagenhof L, Abdekhoodaie MJ, Gantenbein B: Feasibility study of injectable intervertebral disc-mimetic cell encapsulated microgels for nucleus pulposus regeneration. 33rd Annual Conference of the European Society for Biomaterials, Davos, Schweiz, September 04-08, 2023.

Tseranidou S, Francesco G, Bermudez-Lekerika P, Kanelis E, Gantenbein B, Alexopoulos LG, Le Maitre CL, Piñero J, Noailly J: Enhancing Protein Interaction Networks in IVDD Using Machine Learning Link Prediction. ORS PSRS 7th International Spine Research Symposium, 10-14 Nov, Skytop, Lodge, Pennsylvania, 2024.

Veenstra A, von Gernler M, Babic A, Milavec H, Albers CE, Deml MC, Häckel S: Sex Differences in the Treatment and Outcomes of Thoracolumbar Burst Fractures: A Scoping Review. DCR Day of Clinical Research, Bern, Schweiz, November 28, 2024.

Whittier DE, Walle M, Ledoux C, Atkins P, Collins C, Holtmann JA, Zumstein MA, Christen P, Lippuner K, Müller R: Fracture Healing Leads to the Emergence of New Void Spaces in Bone Microarchitecture at the Distal Radius. European Calcified Tissues Society (ECTS) Annual Congress 2023, Liverpool, United Kingdom, April 15-18, 2023.

Vorträge

Anwander Helen

Betakli Bern, Das diabetische Fussyndrom und seine Therapie, Bern, Schweiz, 24.10.2024

Anwander Helen

Betakli Bern, Plantarfasziitis, Bern, Schweiz, 25.10.2024

Bastian JD

Pelvis trauma: Pelvis ring fracture in the elderly, Fortbildungstag Swiss Orthopaedics 20.01.2024, Bern

Bastian JD

Surgical treatment of anterior pelvic ring injuries, 10th European Pelvis Course 2024, Amsterdam 10.04. – 13.04.2024

Bastian JD

Pararectus Approach for Acetabular Fractures; 6th Annual Conference, Association of pelvic&Acetabular Surgeons (AOPAS), 20.04. – 21.04.2024 Kochi, India

Bastian JD

Surgical Hip Dislocation for Acetabular Fractures; 6th Annual Conference, Association of pelvic&Acetabular Surgeons (AOPAS), 20.04. – 21.04.2024 Kochi, India

Bastian JD

What is new in Pelvic & Acetabular Fractures; European Hip Society – New Frontiers & New Technologies in Hip Trauma, 30.05.2024, Webinar

Bastian JD

The Swiss FFN Alliance: Goals and Organization. Annual Meeting SVGO/ASCO and SBMS 2024, 6. June 2024, Inselspital Bern

Bastian JD

FLS meets FFN – The Trauma Surgeons Perspective, Keynote Lecture – 4th Swiss/Alps Network meeting 25.10.2024, Bern

Bastian JD

Orthogeriatric - Orthopädische und traumatologische Herausforderungen, Berner Tage der Klinik 23. bis 26.10.2024, Fortbildungsveranstaltung der Aerztegesellschaft des Kantons Bern am Inselspital

Bastian JD

Kocher Langenbeck Approach (+/-) Ganz Osteotomy: Indications, Advantages, Limitations, EFORT Webinar "Surgical approaches for acetabular fracture fixation – which one, when and why?", 30.09.2024

Bastian JD

Hip Fracture ≠ Hip Fracture: Patient:innen aus Sicht des Hüft- und Beckenchirurgen, Schwerpunktthema Muskuloskelettale Rehabilitation, Symposium des Zentrums für Rehabilitation und Sportmedizin, Rehabilitation 2.0, Inselspital Bern, 27.06.2024

Bastian JD

Extended trochanteric osteotomy (ETO), AO Trauma/AO Recon Course—Comprehensive Periprosthetic Fracture Management of the Hip and Knee (With Human Anatomical Specimens), Cologne, June 27 - 29, 2024

Bastian JD

Safe Surgical Hip dislocation (Gibson Interval). EMEA Advanced Pelvic & Acetabular Fracture Management, Instructional Course, November 7th - 8th 2024 - RIMASYS Cad Lab, Cologne, Germany

Bastian JD

Understanding the Pararectus approach. EMEA Advanced Pelvic & Acetabular Fracture Management, Instructional Course, November 7th - 8th 2024 - RIMASYS Cad Lab, Cologne, Germany

Bastian JD

Via di accesso Pararectus. CORSO NAZIONALE AIP 2024 Fratture della Pelvi e dell'Acetabolo, Principi di Trattamento, 15-16 novembre 2024, Genova, Torre San Vincenzo

Bastian JD

FFN Switzerland – Rationale, Mission and Vision. Spezialsession Orthogeriatric – Fragility Fracture Network Meeting, 84. Jahreskongress Swiss Orthopaedics, 26.06. – 28.06.2024, Lausanne

Bastian JD

Fragility Fractures – The Hip and Pelvis Surgeons Perspective. Spezialsession Orthogeriatric – Fragility Fracture Network Meeting, 84. Jahreskongress Swiss Orthopaedics, 26.06. – 28.06.2024, Lausanne

Bastian JD

Classification: Principles and Application, AO Trauma/AO Recon Course—Comprehensive Periprosthetic Fracture Management of the Hip and Knee (With Human Anatomical Specimens), Cologne, June 27 - 29, 2024

Bastian JD

Indications for revision arthroplasty of the proximal femur, AO Trauma/AO Recon Course—Comprehensive Periprosthetic Fracture Management of the Hip and Knee (With Human Anatomical Specimens), Cologne, June 27 - 29, 2024

Bastian JD

Revision arthroplasty around the hip – case-based lecture, AO Trauma/AO Recon Course—Comprehensive Periprosthetic Fracture Management of the Hip and Knee (With Human Anatomical Specimens), Cologne, June 27 - 29, 2024

Bastian JD

Periprosthetic acetabular fractures, AO Trauma/AO Recon Course—Comprehensive Periprosthetic Fracture Management of the Hip and Knee (With Human Anatomical Specimens), Cologne, June 27 - 29, 2024

Bastian JD

Infected periprosthetic fractures – case-based lecture, AO Trauma/AO Recon Course—Comprehensive Periprosthetic Fracture Management of the Hip and Knee (With Human Anatomical Specimens), Cologne, June 27 - 29, 2024

Crump KB, de Graaf K, Bermudez Lekerika P, Le Maitre CL, Noailly J, Gantenbein B: Complex Mechanical loading and inflammation in intervertebral disc degeneration. 29th Congress of the European Society of Biomechanics , 30 June - 3 July, Edinburgh, Scotland, 2024.

Crump KB, Segarra-Queralt M, Bermudez Lekerika P, Geris L, Noailly J, Gantenbein B: Effects of compression and TNF on human effects of compression on human cartilaginous endplate cells in 3D agarose culture. 29th Congress of the European Society of Biomechanics , 30 June - 3 July, Edinburgh, Scotland, 2024.

Crump KB, Segarra-Queralt M, Bermudez-Lekerika P, Kanelis E, Alexopoulos LG, Noailly J, Gantenbein B: Oral Presentation: TNF Induces Catabolism in Cartilaginous Endplate Cells in 3D Culture under Static and Dynamic Compression. ORS PSRS 7th International Spine Research Symposium, 10-14 Nov, Skytop, Lodge, Pennsylvania, 2024

Gewiess J: Comparison of transiliac-transsacral screw fixation to lumbopelvic stabilization in the treatment of nondisplaced and minimally displaced sacral H-/U-type fragility fractures. EUROSPINE, Wien, Österreich, 02.-04.10.2024

Gewiess J: Orthogeriatric co-management in geriatric patients with hip fractures: Current trends and impact on mortality in Switzerland. EFORT, Hamburg, Deutschland, 22.-24.05.2024

Gussarow P, Aregger FC, Kreuzer S, Häckel S, Bigdon SF, Tinner C, Erbach G, Deml MC, Albers CE: Return to sports/activity level after 360° thoracolumbar fusion after burst fractures in young patients. 84. Jahreskongress swiss orthopaedics 2024, Lausanne, Schweiz, 26.06.2024

Häckel S, Chen S, Tian X, Zwingenberger S, Albers C, Gantenbein B: Minimalinvasive Bandscheibenfusion – Fakt oder Fiktion? Eine in vitro-Studie an humanen Annulus-fibrosus-Zellen. Deutscher Wirbelsäulenkongress 2024, Hamburg, Deutschland, November 28, 2024.

Häckel S: Spondylodiscitis and implant-related spinal infections: Current challenges and needs from a surgeon's perspective. ARI Conference 2024, Davos, Schweiz, June 26, 2024.

Häckel S: Zukunft der Wirbelsäulenchirurgie – Mentoring-Programme für Wirbelsäulenchirurginnen und -chirurgen. Schulthess Academy, Zürich, Schweiz, Juni 14, 2024.

Karampitanis S: (Oral Presentation of the best Posters – 25th EFORT) The effect of Peripheral Nerve Block On Opioid Utilization and Complications in Total Shoulder Arthroplasty. 25th EFORT Annual Congress, Hamburg, Germany, May 22-24, 2024

Krause F, Helen Anwander. 1. Immunohistological evidence for hyaline-like cartilage formation after AMIC for OLT, 2. Arthrodesis for Severe Hindfoot Deformities, 3. PRP and Stem Cells: What is the Evidence? IFFAS 2024, Seoul, Südkorea, 29.5.-2.6.2024

Krause F. 1. AMIC Technik, 2. AMIC Bildgebung. 4. Berner AMIC Kurs. 22.11.-23.11.2024. Bern. Schweiz

Krause F. 1. Decision Making in Tendon Transfers, 2. Key points in physical examination. 33. Congress of Turkish society of Orthopedics and Traumatology. Antalya, Türkei

Krause F. 1. mBMS mit Chondroguide, 2. Die fehlgeschlagenen AMIC. DAF-Kurs Expertise Sprunggelenk, Hannover, Deutschland, 8.3.-9.3.2024

Krause F. Adult progressive foot deformity. EFAS Hindfoot specimen lab course. 7.12.-8.12.2024. Augsburg, Deutschland

Krause F. Anteriores und posteriores Impingement OSG. AGA Residents Wetlab. 1.11.-2.11.2024, Basel, Schweiz

Krause F. Cartilage Repair in Osteochondral Lesion and Ankle Osteoarthritis. 3rd International Ankle Osteoarthritis Course. 7.6-8.6 2024, Basel, Schweiz

Krause F. Lagerung und Instrumente. OSG Arthroskopiekurs, 30.8.2024. Zürich, Schweiz

Krause F. Der Hohlfuss. Ärzte- und Physiotherapieanlass. 19.11.2024. Berner Fusszentrum. Bern, Schweiz

Krause F. Osteochondrale Frakturen und ODT, 2. Fehlverheilte Malleolarfrakturen 23. AO Trauma Fusskurs, Dresden, Deutschland

Krause F. Osteochondrale Rekonstruktion am Talus über Miniarthrotomie. AGA Kongress, 12.9.-14.9.2024, Zürich, Schweiz

Krause F. Revision surgery after TAR. EFAS TAR course. Arhus, Dänemark. 18.4-19.4.2024

Krause F. Stress fracture of the calcaneus. EFAS Congress. 17.9.-19.2.2024, Brüssel, Belgien

Nüesch A, Ferri MP, Kanelis E, Breakwell L, Alexopoulos LG, Williams F, Gantenbein B, Lacey M, Le Maitre CL: Cutibacterium acnes is present in non-herniated human discs; its positivity rate correlates with the patient's age. 50th International Society for the Study of the Lumbar Spine Annual Meeting 2024, 27-31 May, Milano, Italy, 2024.

Pantel T, On J, Häckel S, Hubertus V, Ille S, Kalbitz M, Keller J, Klingler JH, Onken JS, Schmidt H, Younsi A, Zwingenberger S, Vajkoczy P, Mohme M: From abstracts to published articles: Assessing the scientific publications from the annual meetings of the German Spine Society (DWG) in 2017, 2018, 2019, and 2022. Deutscher Wirbelsäulenkongress 2024, Hamburg, Deutschland, November 28, 2024.

Tannast M: Femoroacetabuläres Impingement und Berner PAO. DKOU 2024, Deutscher Kongress für Orthopädie und Unfallchirurgie, Berlin, Deutschland, Oktober 22 2024.

Tannast M: Gluteus medius Verletzungen. AE-Masterkurs Gelenkerhaltende Hüftchirurgie, Dreiländerkurs, Wien, Österreich, Juni 14-15 2024

Tannast M: Periacetabular Osteotomy. 10th More International Symposium, Lugano, Schweiz, April 17 2024.

Tannast M: Revision arthroplasty of the hip – Well-fixed implant removal. AO Recon Course, Complex Total Hip Arthroplasty, Luzern, Schweiz, August 22 2024.

Tannast M: Surgical dislocation of the hip – indication and technique. 10th European Pelvic Course 2024. Amsterdam, Niederlande, April 11-13 2024.

Tannast M: The Burch Schneider acetabular reinforcement ring: a retrospective analysis of 200 hips over a 40-year period at the inventor's institution. International Hip Society, Athens, Greece, Mai 15-18 2024

Tannast M: Vaskuläre Anatomie des Hüftkopfes. AE-Masterkurs Gelenkerhaltende Hüftchirurgie, Dreiländerkurs, Wien, Österreich, Juni 14-15 2024

Torabi-Rahvar P, Schlagenhof L, Abdekhoodaie MJ, Gantenbein B: Oral Presentation: Injectable cell encapsulated hyaluronic acid microgels for nucleus pulposus regeneration. 50th International Society for the Study of the Lumbar Spine Annual Meeting 2024, 27-31 May, Milano, Italy, 2024.

Tseranidou S, Segarra-Queralt M, Kanelis E, Bermudez Lekerika P, Alexopoulos L, Gantenbein B, Le Maitre CL, Piñero J, Noailly J: Proteomics analysis assessment through a regulatory network model. 50th International Society for the Study of the Lumbar Spine Annual Meeting 2024, 27-31 May, Milano, Italy, 2024.

Meier MK: How much do the labrum and cartilage contribute to joint contact surface in different hip deformities? – An automatic deep learning based 3D MRI analysis. 84. Jahreskongress Swiss Orthopedics, Lausanne, Schweiz, 26. -28. Juni, 2024.

Wangler S, Erdbrink S, Lerch TD, Küenzler M, Moser HL, Schär M: CT-based 3D models for osseous shoulder movement simulation of patients with greater tuberosity fractures: A feasibility study. Swiss Orthopedics 2024

Wangler S, Gehrig D, Liechti R, Vögelin E: Reliable prediction of true metacarpal bone length - a novel approach. SGH-/SGHR-Kongress 2024

Schär M: Session: Free Paper Shoulder and Elbow "Replacement and Trauma". Gregoy Cunningham, 84. Jahreskongress swiss orthopaedics, Lausanne, Schweiz, Juni, 2024

Schär M: Clinical Skills. KK Luzern, Schweiz, Luzern, 19.6.2024

Schär M: Clinical Skills. Beaulieu Lausanne, Schweiz. Lausanne, 27.6.2024

Organisation Kurse/Symposien

Anwander H, Knupp M, Krause F.
SFAS Surgeries Days. Bern, Schweiz, 9.2.2024.

Bastian JD
Spezialsession Orthogeriatric – Fragility Fracture Network Meeting, 84. Jahreskongress Swiss Orthopaedics, 26.06. – 28.06.2024, Lausanne

Bastian JD, Link BC, Studer F
6th Orthogeriatrics Day in Luzern, LUKS, 05.09.2024

Krause F, Anwander H. 4. Berner AMIC Kurs. 22.11.-23.11.2024. Bern. Schweiz

Krause F. Ärzte- und Physiotherapeanlass. 19.11.2024. Berner Fusszentrum. Bern, Schweiz

Liechti E:
2 case reports. Precice und TTT Symposium. Curmed AG. Zürich. September 20, 2024.

Karin Wuertz-Kozak, Christine Le Maitre, Gantenbein B
Degeneration and regeneration of the intervertebral disc: an update from EU training network Disc4ALL, Accepted Symposium presented at the 50th International Society for the Study of the Lumbar Spine Annual Meeting Milano, Italy 27-31, May, 2024

Gantenbein B
DBMR Research Conference, Invited speaker Prof. Ruis Reis, PhD-D.Sc, "Addressing Complexity in TERM Cell/Material Interactions using High-Throughput Approaches: Applications on In Vitro Cancer Models" Monday, 5 pm – 6 pm, 8 April 2024, invited by Prof. Dr. Gantenbein

Schöberlein A, Gazdhar A, Enzmann V, Gantenbein B, Luciani P, Müller E, Riether C, Stroka D
«Unveiling the potential of extracellular vesicles in biomedicine»
Annual Meeting of the Stem Cell and Regenerative Medicine Platform of the University of Bern, 22 Nov 2024, Haus der Universität

Schär M, Künzler M, Holtmann J, Suter D, Wangler S, Haupt Bertschy B, Gunti A
HA-Fortbildung «Big five» Schulter-Ellenbogen 21.11.2024

Schär M: Clinical Skills. KK Luzern, Schweiz, Luzern, 19.6.2024

Schär M: Clinical Skills. Beaulieu Lausanne, Schweiz. Lausanne, 27.6.2024

Fakultät bei Kursen/Symposien

Anwander Helen
Jury Poster Award, Swiss orthopaedics congress, 2024

Tannast M
84. Jahreskongress swiss orthopaedics Lausanne, Juni 2024

Tannast M
Hip Master Class, Bern, Schweiz, November 21 2024

Tannast M
PEEG 24-2, Davos, Schweiz, Dezember 1 2024

Bastian JD
EMEA Advanced Pelvic & Acetabular Fracture Management, Instructional Course, November 7th - 8th
2024 - RIMASYS Cad Lab, Cologne, Germany

Bastian JD
10th European Pelvis Course 2024, Amsterdam 10.04. – 13.04.2024

Bastian JD
AO Trauma/AO Recon Course—Comprehensive Periprosthetic Fracture Management of the Hip and
Knee (With Human Anatomical Specimens), Cologne, June 27 - 29, 2024

Henle P
2nd Swiss Knee Course, Basel, Switzerland, November 22-23, 2024

Liechti E
1. Precice und TTT Symposium - Von der Kinderorthopädie, über Segmenttransport, PABST bis zum
Tibia Transversales Transport System inkl. spannende Fälle. Curmed AG. Zürich. September 20, 2024.

Schär M.
Schulterpathologien, die Big Five. Jährliche Fachveranstaltung für Hausärztinnen/ Hausärzte,
Anatomisches Institut, Bern, November, 21, 2024

Schär M.
9. Berner Schulter. Fachveranstaltung für Orthopäd:innen, Paul Klee Zentrum, Bern, November, 1, 2024

Instruktor bei Kursen/Symposien

Eberlein SC AO Kurs für HF Operationstechnik
Prinzipien der operativen Frakturbehandlung, Solothurn, 23./24.10.2024

Häckel S
15th SYNS Spine Hands-on Course - Basic Lumbar Spine. Lecturer. Bern, Switzerland, March 15-16,
2024.

Krause F. AGA Kongress, 12.9.-14.9.2024, Zürich, Schweiz

Krause F. AGA Residents Wetlab. 1.11.-2.11.2024, Basel, Schweiz

Krause F. EFAS Congress. 17.9.-19.2.2024, Brüssel, Belgien

Krause F. EFAS Hindfoot specimen lab course. 7.12.-8.12.2024. Augsburg, Deutschland

Krause F. SFAS Annual Symposium, 20.9.2024. Genf, Schweiz

Krause F. 33. Congress of Turkish society of Orthopedics and Traumatology. Antalya, Türkei

Schär M
Workshop «Visitationen», SIWF FMH, Kursaal Bern, Schweiz, January, 24, 2024

Schär M
Konservative Frakturbehandlung mit Gipskurs, Fak. Kurs SPORTMEDIZIN im SK2 6. SJ
Bern, Schweiz, März, 27, 202X

Schär M

Konservative Frakturbehandlung mit Gipskurs, Fak. Kurs SPORTMEDIZIN im SK2 6. SJ
Bern, Schweiz, April, 3, 202X

Schär M

Fallbesprechungen/Workshops – Komplexe Fälle. Prothetik. 9. Berner Schulter Tagung, Bern, Schweiz,
November, 1. 2024

Schär M

Praktischer Kurs – Visite. BETAKLI, Oktober 25, 2024

Suter D

Big Five, (Hausärzteweiterbildung), Bern, Schweiz, Nov. 21.2024.

Abstracts

Meier MK, Roshardt J, Ruckli A, Gerber N, Lerch TD, Jung B, Tannast M, Schmaranzer F, Steppacher SD:

How much do the labrum and cartilage contribute to joint contact surface in different hip deformities? – An automatic deep learning based 3D MRI analysis.

84. Jahreskongress Swiss Orthopedics, Lausanne, Schweiz, 26. -28. Juni, 2024.

Meng H, Verrier S, Häckel S, Grad S, Li Z: An In Vitro 3D Osteoarthritis Model Focusing on Angiogenesis of Subchondral Bone and Cartilage Degradation. In: Osteoarthritis and Cartilage, Elsevier, Amsterdam, Netherlands: 2024:32:S414-S415.

Pantel T, On J, Häckel S, Hubertus V, Ille S, Kalbitz M, Keller J, Klingler JH, Onken JS, Schmidt H, Younsi A, Zwingerberger S, Vajkoczy P, Mohme M: From abstracts to published articles: Assessing the scientific publications from the annual meetings of the German Spine Society (DWG) in 2017, 2018, 2019, and 2022. In: Brain and Spine, Elsevier, Amsterdam, Netherlands: 2024:4:104080.

Wangler S, Erdbrink S, Lerch TD., Küenzler M, Moser H, Schär M: CT-based 3D models for osseous shoulder movement simulation of patients with greater tuberosity fractures: A feasibility study. Swiss Orthopedics 2024

Wangler S, Gehrig D, Liechti E, Vögelin E: Reliable prediction of true metacarpal bone length - a novel approach. SGH-/SGHR-Kongress 2024

Vorsitz/Rundtischdiskussion bei Kursen/Symposien

Bastian JD

Continous Improvement in Orthogeriatrics: An interdisciplinary matter, Session I, Moderator, Webinar, 03.04.2024 by European Fragility Fracture Network

Bastian JD

Case Discussion Series 1-5, AO Trauma/AO Recon Course—Comprehensive Periprosthetic Fracture Management of the Hip and Knee (With Human Anatomical Specimens), Cologne, June 27 - 29, 2024

Bastian JD

Case discussions of acetabular fractures – Posterior approach. EMEA Advanced Pelvic & Acetabular Fracture Management, Instructional Course, November 7th - 8th 2024 - RIMASYS Cad Lab, Cologne, Germany

Häckel S

Spine Science Meeting Knorpel Knochen. Vorsitz. Deutscher Wirbelsäulenkongress 2024, Hamburg, Deutschland, November 27, 2024.

Häckel S

Session des Junges Forum DWG. Vorsitz. Deutscher Wirbelsäulenkongress 2024, Hamburg, Deutschland, November 28, 2024.

Schär M

Session: Free Paper Shoulder and Elbow “Replacement and Trauma”. Gregoy Cunningham, Michael Schär. 84. Jahreskongress swiss orthopaedics, Lausanne, Schweiz, Juni, 2024

Zusätzliche Lehrleistungen

Anwander Helen

Military doctor officer school Moudon Bressonnaz, clinical skills training, 09/2024

Bastian JD

Wahlpraktikum Nr. 36078 "Klinische Anatomie der traumatologisch-orthopädischen operativen Zugangswege – Untere Extremität" für Studenten im 2. Studienjahr, Institut für Anatomie, Universität Bern

Bastian JD

Wahlpraktikum Nr. 30575 "Klinische Anatomie der traumatologisch-orthopädischen operativen Zugangswege – Obere Extremität" für Studenten im 2. Studienjahr, Institut für Anatomie, Universität Bern

Bigdon FS

Klinischer Dozent: Masterstudiengang Physiotherapie Muskuloskelettal, Berner Fachhochschule, MSc Physiotherapie November 13, 2024, 8 Lehrstunden

Gantenbein B

Gastdozent ZHAW und ETH Zürich, "Mechanobiology, Bioreactors and Mechanical Forces" 23 Oct 2024, 2 Lektionen

Gantenbein B

Gastdozent Universität Basel, Cells and Technologies in Regenerative Surgery
Master of Biomedical Engineering 24 Oct 2024, Mechanobiology, Bioreactors and Mechanical Forces" Lektionen. Course Number 53825-01.

Häckel S: Grundlagen der Wirbelsäulenchirurgie, Physiotherapie Masterstudiengang Modul BGP2202 Muskuloskelettales System 1, Bern, Switzerland

Henle P

Organisator: Orthopaedic Practical Course, Wochenkurs Orthopädie, Universität Bern, Masterstudiengang Biomedical Engineering, 9.-13.9.2023, 40 Lehrstunden

Henle P

Dozent: Ligamys – Restoring the ruptured ACL; Design of Biomedical Systems; Universität Bern, Masterstudiengang Biomedical Engineering, 28.11.2024, 2 Lehrstunden

Habilitationen

PD Dr. Sonja Häckel

Dr. med. Sonja Häckel, Universitätsklinik für Orthopädische Chirurgie und Traumatologie, Inselspital, wurde am 28. Mai 2024 die Habilitation für das Fach Orthopädie und Traumatologie des Bewegungsapparates erteilt.

PD Dr. med. Dr. phil. Sebastian Wangler

Dr. Dr. Sebastian Wanger, Universitätsklinik für Orthopädische Chirurgie und Traumatologie, Inselspital, wurde am 17.09.2024 die Habilitation für das Fach Orthopädie und Traumatologie des Bewegungsapparates erteilt.

Stipendien

Gewiess J
Schweizerische Gesellschaft für Traumatologie und Versicherungsmedizin SGTV
EFORT Hamburg
(für Aufenthalt 05/2024)

Masterarbeiten

Chetty Cassandra
Project Supra-Reactor: The establishment of a degeneration and a positive treatment ovine enthesis model , Master of Science in Biomedical Engineering, Medical Faculty, University of Bern.
Leitung: PD Dr. Michael Schär, Prof. Dr. Benjamin Gantenbein, Departement of Orthopaedic Surgery and Traumatology, Inselspital, University of Bern, 2024.

Leonie Koller
Preliminary study of the Validity of the German Version of the AOSpine Patient Reported Outcome Spine Trauma (PROST) questionnaire
Leitung/Betreuung: Prof. Dr. med. CE Albers, Dr. med. S Häckel, Departement of Orthopaedic Surgery and Traumatology, Inselspital, University of Bern, 2023.

Mathusan Manoharan
Development of a global reference system to integrate biomechanical testing data and CT scans of the AC cerclage, a cadaveric based study
Leitung: PD Dr. med. Michael Schär, PD Dr. Dr. med. Sebastian Wangler, Departement of Orthopaedic Surgery and Traumatology, Inselspital, University of Bern, 2024

Riccardo Dario Dirnberger
Automatic segmentation of complex bone fractures from CT images
Masterarbeit Biomedical Engineering (abgeschlossen)
Leitung/Betreuung: Prof. Dr. med. CE Albers, Dr. med. S Häckel, Departement of Orthopaedic Surgery and Traumatology, Inselspital, University of Bern, 2023.

Cassandra Chetty
?
Leitung: PD Dr. med. Michael Schär, Department of Orthopaedic Surgery and Traumatology, Inselspital, University of Bern, 2024 (25.6.24)

Dissertationen

Best PhD Award of the GCB of 2024
Vera Lehmann
Novel Approaches in the Detection and Prevention of Dysglycaemia – a Project at the Intersection of Medicine and Technology
Prof. Dr. Christoph Stettler, Prof. Dr. Kowatsch, Mentor: Prof. Dr. Benjamin Gantenbein

Hofmann Janic
Image Correlation Between Digitally Reconstructed Radiographs, C-arm Fluoroscopic Radiographs, and X-ray: A Phantom Study
Leitung: PD Dr. med. Michael Schär, PD Dr. Dr. med. Sebastian Wangler, Departement of Orthopaedic Surgery and Traumatology, Inselspital, University of Bern, 2024

Kreuzer Sebastian

Definitions and adverse outcomes of sarcopenia in older patients in orthopedic and trauma care: A scoping review on current evidence.

Leitung: Prof. Dr. med. J. D. Bastian, Dr. med. J. Gewiess; Departement of Orthopaedic Surgery and Traumatology, InselSpital, University of Bern, 2024

Lanter Lea:

Impact of different surgical and non-surgical interventions on health-related quality of life after thoracolumbar burst fractures without neurological deficit: protocol for a comprehensive systematic review with network meta-analysis.

Leitung: PD Dr. Sebastian Bigdon, Departement of Orthopaedic Surgery and Traumatology, InselSpital, University of Bern, 2024

Lekerika Paola Bermudez

Interpreting intervertebral disc phenotypes: An in-vitro, ex-vivo and in-silico approach

Leitung: Prof. Dr. Benjamin Gantenbein, Department of Orthopaedic Surgery and Traumatology, InselSpital, University of Bern, 12 Dec, 2024.

Riccardo Dario Dirnberger

Automatic segmentation of complex bone fractures from CT images

Masterarbeit Biomedical Engineering

Roth Ysaline

Transiliac-Transsacral Screw Fixation is Superior to Lumbopelvic Stabilization in the Treatment of Minimally Displaced Sacral H-/U-Type Fragility Fractures.

Leitung: Prof. Dr. med. C. Albers, Dr. med. J. Gewiess; Departement of Orthopaedic Surgery and Traumatology, InselSpital, University of Bern, 2024

Sandra Braun

Evaluating the Usefulness of CT Data for Trauma Analysis and Sex Estimation.

Dr. Marco Milella/PD Dr. Supervisor Sandra Lösch, Prof. Dr. Fabian Kanz, Mentor: Prof. Dr. B. Gantenbein

Tafadzwa Gladys Dhokotera

Leveraging real world data to understand the epidemiology of cervical cancer in women living with HIV in South Africa

Prof. Dr. Julia Friederike Bohlius, Dr. Sengayi Mazvita, Mentor: Prof. Dr. Benjamin Gantenbein

Fortlaufende Liste der Ernennungen ab 2005		v 27.06.2025
Professuren		
2025		Prof. Dr. med. Moritz Deml
2023		Prof. Dr. med. Simon Steppacher
2023		Prof. Dr. med. Christoph Albers
2020		Prof. Dr. med. Johannes Bastian
2020		Prof. Dr. med. Frank Klenke
2019		Prof. Dr. med. Fabian Krause
2018		Prof. Dr. med. Moritz Tannast
2017		Prof. Dr. med. Matthias Zumstein
2016		Prof. Dr. med. Emin Aghayev
2016		Prof. Dr. med. Lorin Benneker
2015		Prof. Dr. med. Martin Weber
2014		Prof. Dr. med. Christoph Röder
2014		Prof. Dr. med. Martin Beck
2010		Prof. Dr. med. Stefan Eggli
2008		Prof. Dr. med. Paul Ferdinand Heini
2005		Prof. Dr. med. Klaus Arno Siebenrock
SNF Förderungsprofessur		
2013		Prof. Dr. med. Moritz Tannast
Habilitationen		
2025		PD Dr. Emanuel Liechti
2024		PD Dr. Dr. Sebastian Wangler
2024		PD Dr. Sonja Häckel
2023		PD Dr. Sebastian Bigdon
2023		PD Dr. Andreas Hecker
2022		PD Dr. Michael Schär
2022		PD Dr. Bertolo Alessandro
2022		PD Dr. med. Helen Anwander
2022		PD Dr. med. Peter Wahl
2021		PD Dr. med. Moritz Deml
2020		PD Dr. med. Philipp Henle
2020		PD Dr. med. Christoph Albers
2019		PD Dr. med. Simon Steppacher
2018		PD Dr. med. Sven Hoppe
2017		PD Dr. med. Timo Ecker
2017		PD Dr. med. Daniel Haschtmann
2017		PD Dr. med. Sandro Kohl
2016		PD Dr. med. Lorenz Büchler
2016		PD Dr. med. Johannes Bastian
2015		PD Dr. med. Beat Kaspar Moor
2014		PD Dr. med. Moritz Tannast
2013		PD Dr. med. Frank M. Klenke
2011		PD Dr. med. Fabian Krause
2011		PD Dr. med. Lorin Michael Benneker
2011		PD Dr. med. Matthias Zumstein
2010		PD Dr. med. Richard Walter Nyffeler
2010		PD Dr. med. Christoph Röder
2008		PD Dr. med. Martin Weber
2006		PD Dr. med. Martin Beck