

Universitätsklinik für Orthopädische Chirurgie und Traumatologie

Jahresbericht 2019

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Personelles

Klinikdirektor und Chefarzt

Prof. Dr. K.-A. Siebenrock

Teamleiter/Teamleiter-Stv./Leitende Ärzte

Prof. Dr. K.-A. Siebenrock	Hüfte, Becken
Prof. Dr. L. Benneker	Wirbelsäule
PD Dr. F. Klenke	Knie und Sportverletzungen, Tumorchirurgie
Dr. B. Kleer, Teamleiterin-Stv.	Knie und Sportverletzungen, Tumorchirurgie
Dr. M. Schär	Obere Extremität und Sport
Dr. J. Weihs, Teamleiter-Stv.	Obere Extremität und Sport
Prof. Dr. F. Krause	Sprunggelenk und Fuss
PD Dr. J. Bastian	Hüfte Becken

Spitalfachärzte/Oberärzte/OA-Stv.

Dr. med. Albers Christoph	Dr. med. Flückiger Remy	Dr. med. Kurze Christophe
Dr. med. Anwander Helen	Dr. med. Gieger Jochen	Dr. med. Liechti Emanuel
Dr. med. Attinger Marc	Dr. med. Hecker Andreas	Dr. med. Milavec Helena
PD Dr. Beckmann Nicholas	PD Dr. Hoppe Sven	Scacchi Philipp, dipl. Arzt
Dr. med. Bigdon Sebastian	Dr. med. Kehl Christian	Dr. med. Schär Michael
Dr. med. Deml Moritz	Dr. med. Kleer Barbara	Dr. med. Seidel Angela
Dr. med. Dumont Charles	Dr. med. Kolp Dagmar	PD Dr. med. Steppacher Simon

Konsiliari

Prof. Dr. M. Keel
 Dr. Seidel Ulrich
 Prof. Dr. M. Zumstein

Assistenzärzte

Afifi Mohamed, dipl. Arzt	Häckel Sonja, dipl. Arzt	Leibold Christiane, dipl. Arzt
Ambühl Benedikt, dipl. Arzt	Dr. med. Hanke Markus	Dr. med. Schott Philipp
Beaud Xavier, dipl. Arzt	Hurni Philippe, dipl. Arzt	Schürholz Katharina, dipl. Arzt
Dr. med. Behrends Dominique	Dr. med. Inglin Fabienne	Dr. med. Sedlmayer Raphael
Brugger Robin, dipl. Arzt	Dr. med. univ. Klammer Alexander	Dr. med. Spasojevic Milos
Dr. med. Dommer Lukas	Dr. med. Krismer Anna	Dr. med. Suter Dominik
Ekengele Venant, dipl. Arzt	Dr. med. Küenzler Michael	Dr. med. Tinner Christian
Dr. med. Fairhurst Paul		Tsinas Dionysius, dipl. Arzt
		Zickmantel Benjamin, dipl. Arzt

Wissenschaftliche Ärzte und Mitarbeiter

Prof. Benjamin Gantenbein	Tissue Engineering, Orthopaedic Research & Mechanobiology
Prof. Dr. E.-B. Hunziker	Zentrum für Regenerative Medizin der Skelettalen Gewebe
L. Bolliger	Wissenschaftliche Sachbearbeiterin
A. Hayoz	Wissenschaftliche Sachbearbeiterin
A. Keiser	Wissenschaftliche Sachbearbeiterin

Forschung und Lehre

Preise/Ehrungen

Bastian JD

Award for "Distinguished Contribution to the Development of Global Medicine and Science" by the Southeast European Medical Forum (SEEMF) for the invited Key Note Lecture "Fractures in the Elderly - Current Challenges", 10th Anniversary International Medical Congress, 05.09. - 08.09.2019, Sofia, Bulgaria

Bastian JD

SIWF-Award für besonderes Engagement in der ärztlichen Weiterbildung, Schweizerisches Institut für ärztliche Weiter- und Fortbildung, FMH, Bern, 13.09.2019

Benneker LM

Eurospine Surgical Spine Center of Excellence

Frauchiger DA, Tekari A, May RD, Džafó E, Chan SCW, Stoyanov J, Bertolo A, Zhang X, Sakai D, Schol J, Grad S, Tryfonidou M, Benneker LM, Gantenbein B

2nd best poster award

TERMIS European Chapter Meeting 2019, 27th-31st May 2019, Rhodes, Greece, 2019.

FACS reveals more Pluripotent Intervertebral Disc Progenitor Cells compared to MACS and pluriSelect.

Keel MJB, Siebenrock KA, Tannast M, Bastian JD

2018 JBJS Essential Surgical Techniques Award

AAOS Annual Meeting March 12 – 16, 2019, Las Vegas NV, USA

The Pararectus Approach: A New Concept

Klos K, Simons P, Gueorguiev B, Richards G, Krause FG, Knobe M

Posterpreis

Penev Einfluss verschiedener Verletzungen des Lisfranc-Komplexes auf die Stabilität-Eine CT basierte Kadaverstudie, 25. Jahrestagung der Deutschen Assoziation für Fusschirurgie, 29.-30.3-2019, Augsburg, Germany

Kuenzler M, Maniglio M, Mihata T, McGarry M, Chalmers C, Carbone J, Neo M, Lee TQ

Special Mention:

Biomechanical Characteristics Of Fascia Lata Graft For Superior Capsule Reconstruction With And Without SuturePatch Augmentation

EFORT Annual Meeting 2019, Lisbon, Portugal, Juni 6, 2019

Leibold CS, Langer R, Schmaranzer F, Siebenrock KA

JAM Award

Bone wax can lead to foreign body reaction and focal osteolysis

SICOT, Muscat, Oman, 3-7.12.2019

Leibold CS, Steppacher SD, Whitlock P, Schmaranzer F, Siebenrock KA, Tannast M

Special Mention

Legg-Calve-Perthes-Disease can lead to Acetabular Retroversion EFFORT, Lissabon, Portugal, 5.-7.6.2019

Lerch TD, Todorski I, Steppacher SD, Schmaranzer F, Werlen SF, Siebenrock KA, Tannast M

Venel Preis 2019

Prevalence of Femoral and Acetabular Version Abnormalities in Patients With Symptomatic Hip Disease: A Controlled Study of 538 Hips.

79. Jahreskongress der Schweizerischen Gesellschaft für Orthopädie und Traumatologie (SGOT), Baden, Juni 26-28, 2019. CHF 8000.-

Maniglio M, Lin C, Patel N, Jung Park I, Bolliger L, Zumstein MA, Mc Garry M, Lee T.

Posterpreis 2019

Jahreskongress SGH-/SGHR, Interlaken, Switzerland, November 21-22, 2019.

The relation of the ulnar footprint of the distal radio-ulnar ligaments to the ulnar styloid

Schmaranzer F, Lerch T, Siebenrock KA, Tannast M, Schmaranzer E

A6. 2019 ISS Scientific Session Excellence Award,
Postoperative , traction MR arthrography in patients with persisting pain after hip arthroscopy for FAI
reveals unexpected high prevalence of osseous deformities and intra-articular lesion due to under-/or
overcorrection

International Skeletal Society 2019 Meeting, Vancouver, BC, Canada, 9th September 2019,

Schmaranzer F, Degonda C, Lerch TD, Cullmann-Bastian J, Heverhagen JT, Siebenrock KA, Zheng G:
ESSR 2019 Prize for 2nd best oral presentation, EUR 500

MRI-based 3D models of the pelvis can replace CT-based 3D models for range of motion analysis in
femoroacetabular impingement

ESSR (European Society of Skeletal Radiology) 26.-29. June 2019, Lisbon, Portugal

Drittmittel

Albers CE

Clinical Trials Unit, Inselspital

Secretion of BMP Antagonists by Intervertebral Disc Cells and their Relevance for Successful Spinal
Fusion

CHF 80'000

2019-2021

Albers CE

EuroSpine

Secretion of BMP Antagonists by Intervertebral Disc Cells and their Relevance for Successful Spinal
Fusion

EUR 10'000

2019-2021

Bastian JD (Co-Applicant)

Innosuisse 31289.1 IP-ENG

Instrument for Orthopaedic Surgery

171'074.80 CH

2019

Bastian JD

Assessment of Intraosseous Sacral Perfusion

CHF 20'000

2019

Benneker LM

DePuy Synthes:

Wirbelsäulenteam: Finanzierung Spine Fellow.

CHF: 80'000

2019-2020

Benneker LM, Milavec H

DePuy Synthes:

Support travelling fellowship

CHF 20'000

2019

Gantenbein B, Benneker LM
H2020 European Commission
"Working Package 1 of the H2020 Project "iPSpine- Project Agreement #825925 - Induced pluripotent stem cell-based therapy for spinal regeneration"
Euro 335'200
2019-2022

Gantenbein B, Duddli S, Hausmann O, Albers CE
CABMM
Analysing the Transcriptome of Cells of Intervertebral Discs with Modic Changes and its Relevance for Spinal Fusion
CHF 39'000
2020-2021

Häckel S
Swiss Orthopaedics, Genf
"Cox2IVD -Treating Discogenic Pain by Reducing Nerve Sensitization and In-growth using the COX-2 Inhibitor Celecoxib –An in vitro Study with Inflamed Dorsal Root Ganglion Cells"
CHF 20.000.-
2019–2020

Hofstetter W, Klenke FM
Alfred & Anneliese Sutter-Stöttner Stiftung, Münchwilen, Schweiz
Heilung von Defekten in osteoporotischen Knochen unter Behandlung mit Bisphosphonaten
CHF 150'000.-
2019-2021

Hunziker EB
China, Zhejiang University, Project Grant for Dr. H. Huang and Prof. Hunziker
Osteoinduction for maxillary surgery
CHF 47'000
2019-2020

Hunziker EB
Verschiedene Beiträege.
Articular Cartilage Repair
CHF 150'000
2019

Klenke FM
Medacta International, Castel San Pietro, Schweiz
Assessment of reperfusion injury in primary total knee arthroplasty. A prospective, randomized controlled trial.
CHF 180'000.-
2018-2020

Klenke FM
Zimmer Biomet, Winterthur, Schweiz
Treatment of Periprosthetic joint infection of the knee
CHF 95'000.-
2019-2020

Krause FG, Hayoz A:
Hans Neuenschwander-Fonds
Ermittlung von potentiell prädiktiven Faktoren für die Entstehung von Knocheninfektionen (Osteitis) bzw. Knochenmarkinfektionen (Osteomyelitis)
CHF 34'372
2018-2019

Liechti EF
Stipendienfonds swiss orthopaedics
Assessment of ischemia/reperfusion injury in primary total knee arthroplasty. A prospective, randomized controlled double blind trial.
CHF 20'000.-
2019 – 2020

Milavec H
Icotec AG
Palliative Surgery in Patients with Metastatic Spinal Disease – Evaluation of Asymptomatic Implant Failure and Identification of Surgical Techniques with Satisfactory Outcomes for Low Demanding Tumour Patients.
CHF 10'000
2018-2019

Milavec H
Swiss Orthopaedics
Evaluation of outcomes following surgery for primary and secondary spine tumours. Clinical and research fellowship at University Spine Centre, National University Hospital, Singapore.
CHF 20'000
2018-2019

Schär M, Weihs J, Flückiger R
Medacta, Castel San Pietro, Switzerland
Prospektive Untersuchung der Medacta Schulterprothesen invers und anatomisch (Funktion und Outcome)
CHF 33'000
Aug 2019 bis auf weiteres

Schmaranzer F, Gerber N, Heverhagen J, Tannast M, Lerch T, Siebenrock KA
Clinical Trial Unit Bern (CTU)
3D MRI-based Automatic Segmentation of Biochemical Cartilage of the Hip for Improved Surgical Decision Making in Patients with Femoroacetabular Impingement.
CHF 75'368
2020-2021

Seidel A, Krause FG
Deutsche Arthrosehilfe e.V.
Einfluss der Rückfussachse auf die Stabilität der Malleolarfrakturen des Supinations-Aussenrotationstypes im Kadaverexperiment
Euro: 20'235.-
2019-2020

Zumstein MA
Innosuisse, Grant Application Number: 35656.1 IP-LS
Computer Assisted Planning for Rotator Cuff Repair
CHF 913'344.46
2019-2022

Zumstein MA
Medacta International, Castel San Pietro, CH
Augmented and mixed reality in Shoulder Arthroplasty
CHF 75'000.-
2019

Originalarbeiten

Ahmad SS, Orlik L, Ahmad SJS, Albers CE, Siebenrock KA, Klenke FM: Obesity and smoking predict the results of two-stage exchange in septic revision hip arthroplasty: A cohort study. *Orthop Traumatol Surg Res.* 2019 May;105(3):467-471. doi: 10.1016/j.otsr.2019.01.006. Epub 2019 Mar 25. PubMed PMID: 30922806.

Ahmad SS, Schürholz K, Liechti EF, Hirschmann MT, Sandro K, Klenke FM: Seventy percent long-term survival of the repaired ACL after dynamic intraligamentary stabilization. *Knee Surg Sport Tr A.* 2019 [Epub ahead of print]

Albers CE, Schott PM, Ahmad SS, Benneker LM, Nieuwkamp N, Hoppe S: Vertebral Body Lavage Reduces Hemodynamic Response to Vertebral Body Augmentation With PMMA. *Global Spine J.* 2019 Aug;9(5):499-504. doi: 10.1177/2192568218803106. Epub 2018 Oct 15. PubMed PMID: 31431872; PubMed Central PMCID: PMC6686380.

Albers CE, Schott PM, Ahmad SS, Benneker LM, Nieuwkamp N, Hoppe S: Vertebral Body Lavage Reduces Hemodynamic Response to Vertebral Body Augmentation With PMMA, *Global Spine J.* 2019 Aug;9(5):499-504. doi: 10.1177/2192568218803106. Epub 2018 Oct 15.

Anwander H, Fuhrer F, Diserens G, Moor BK, Boesch C, Vermathen P, Valenzuela W, Zumstein MA: Muscle fat content in the intact infraspinatus muscle correlates with age and BMI, but not critical shoulder angle. *European Journal of Trauma and Emergency Surgery,* 2019

Arenas-Miquelez A, Karargyris O, Zumstein MA: All-Arthroscopie, 270° Reconstruction of the Inferior Glenohumeral Ligament with Palmaris Longus Autograft. *Arthrosc Tech.* 2018 Oct; 8(10): e1145-e1151.

Attinger MC, Haefeli PC, Bäcker HC, Flueckiger R, Ballmer PM, Siebenrock KA, Klenke FM: The Ganz acetabular reinforcement ring shows excellent long-term results when used as a primary implant: a retrospective analysis of two hundred and forty primary total hip arthroplasties with a minimum follow-up of twenty years. *Int Orthop.* 2019 Dec;43(12):2697-2705. doi: 10.1007/s00264-018-04284-9. Epub 2019 Jan 20. PubMed PMID: 30663000.

Bäcker HC, Busko M, Krause FG, Exadaktylos AK, Klukowska-Roetzler J, Deml MC: Exertional rhabdomyolysis and causes of elevation of creatine kinase. *Phys Sportsmed.* 2019 Sep 30:1-7. doi: 10.1080/00913847.2019.1669410. [Epub ahead of print] PMID: 31532694

Bäcker HC, Vosseller JT, Benneker LM, Noger M, Krause FG, Hoppe S, Deml MC: Spinal injuries in airborne accidents: a demographic overview of 148 patients in a level-1 trauma center. *Eur Spine J.* 2019 May;28(5):1138-1145. doi: 10.1007/s00586-019-05951-0. Epub 2019 Mar 18. PMID: 30887219

Bäcker HC, Wu CH, Vosseller JT, Exadaktylos AK, Benneker LM, Krause FG, Hoppe S, Albers CE: Spinopelvic dissociation in patients suffering injuries from airborne sports. *Eur Spine J.* 2019 Apr 29. doi: 10.1007/s00586-019-05983-6. [Epub ahead of print] PubMed PMID: 31037422.

Beckmann NA, Bitsch RG, Bormann T, Braun S, Jaeger S: Titanium Acetabular Component Deformation under Cyclic Loading. *Materials (Basel).* 2019 Dec 20;13(1). pii: E52. doi: 10.3390/ma13010052. PubMed PMID: 31861893

Bigdon SF, Gewiess J, Hoppe S, Exadaktylos AK, Benneker LM, Fairhurst PG, Albers CE: Spinal injury in alpine winter sports: a review. *Scand J Trauma Resusc Emerg Med.* 2019 Jul 19;27(1):69. doi: 10.1186/s13049-019-0645-z. Review. PubMed PMID: 31324221; PubMed Central PMCID: PMC6642543.

Deml MC, Benneker LM, Schmid T, Sakai D, Albers CE, Hoppe S, Zeiter S: Ventral Surgical Approach for an Intervertebral Disc Degeneration and Regeneration Model in Sheep Cervical Spine: Anatomic Technical Description, Strengths and Limitations. *Vet Comp Orthop Traumatol.* 2019 Sep;32(5):389-393. doi: 10.1055/s-0039-1688988. Epub 2019 Jun 3. PMID: 31158895

Evangelopoulos DS, Ahmad SS, Krismer AM, Albers CE, Hoppe S, Kleer B, Kohl S, Ateschrang A.: Periprosthetic Infection: Major Cause of Early Failure of Primary and Revision Total Knee Arthroplasty. *J Knee Surg.* 2019 Oct;32(10):941-946. doi: 10.1055/s-0038-1672203. Epub 2018 Oct 18.

Evangelopoulos DS, Ahmad SS, Krismer AM, Albers CE, Hoppe S, Kleer B, Kohl S, Ateschrang A.: Periprosthetic Infection: Major Cause of Early Failure of Primary and Revision Total Knee Arthroplasty. *J Knee Surg.* 2019 Oct;32(10):941-946. doi: 10.1055/s-0038-1672203

Frauchiger DA, Tekari A, May RD, Džafro E, Chan SCW, Stoyanov J, Bertolo A, Zhang X, Guerrero J, Sakai D, Schol J, Grad S, Tryfonidou M, Benneker LM, Gantenbein B: Fluorescence-Activated Cell Sorting Is More Potent to Fish Intervertebral Disk Progenitor Cells Than Magnetic and Beads-Based Methods. *Tissue Eng Part C Methods.* 2019 Oct;25(10):571-580. doi:10.1089/ten.TEC.2018.0375. Epub 2019 Sep 9. PubMed PMID: 31154900.

Häckel S, Albers CE, Bastian JD, Hoppe S, Benneker LM, Keel MJB: Direct anterior decompression of L4 and L5 nerve root in sacral fractures using the pararectus approach: a technical note. *Arch Orthop Trauma Surg.* 2019 Sep 13. doi: 10.1007/s00402-019-03276-7. [Epub ahead of print] PubMed PMID: 31520112.

Häckel S, Zolfaghar M, Du J, Hoppe S, Benneker LM, Garstka N, Peroglio M, Alini M, Grad S, Yayon A, Li Z: Fibrin-Hyaluronic Acid Hydrogel (RegenoGel) with Fibroblast Growth Factor-18 for In Vitro 3D Culture of Human and Bovine Nucleus Pulposus Cells. *Int J Mol Sci.* 2019 Oct 11;20(20). pii: E5036. doi: 10.3390/ijms20205036. PubMed PMID: 31614494; PubMed Central PMCID: PMC6834142.

Kurze C, Keel MJB, Kollar A, Siebenrock KA, Klenke FM. The pararectus approach-a versatile option in pelvic musculoskeletal tumor surgery. *J Orthop Surg Res.* 2019 Jul 23;14(1):232. doi: 10.1186/s13018-019-1275-x.

Leibold CS, Schmaranzer F, Siebenrock KA, Steppacher SD: Femoral osteotomies for the treatment of avascular necrosis of the femoral head. *Oper Orthop Traumatol.* 2019 Nov 29. doi: 10.1007/s00064-019-00642-x. [Epub ahead of print] Review. PubMed PMID: 31784775.

Lerch TD, Boschung A, Todorski IAS, Steppacher SD, Schmaranzer F, Zheng G, Ryan MK, Siebenrock KA, Tannast M: Femoroacetabular impingement patients with decreased femoral version have different impingement locations and intra- and extraarticular anterior subspine FAI on 3D-CT-based Impingement Simulation: Implications for hip arthroscopy. *Am J sports Med.* 2019 Nov;47(13):3120-3132.

Lerch TD, Degonda C, Schmaranzer F, Todorski I, Cullmann-Bastian J, Zheng G, Siebenrock KA, Tannast M: Patient-Specific 3-D Magnetic Resonance Imaging-Based Dynamic Simulation of Hip Impingement and Range of Motion Can Replace 3-D Computed Tomography-Based Simulation for Patients With Femoroacetabular Impingement: Implications for Planning Open Hip Preservation Surgery and Hip Arthroscopy. *Am J Sports Med.* 2019 Oct;47(12):2966-2977. doi:10.1177/0363546519869681. Epub 2019 Sep 5. PubMed PMID: 31486679.

Lerch TD, Eichelberger P, Baur H, Schmaranzer F, Liechti EF, Schwab JM, Siebenrock KA, Tannast M: Prevalence and diagnostic accuracy of in-toeing and out-toeing of the foot for patients with abnormal femoral torsion and femoroacetabular impingement: implications for hip arthroscopy and femoral derotation osteotomy. *Bone Joint J.* 2019 Oct;101-B(10):1218-1229. doi: 10.1302/0301-620X.101B10.BJJ-2019-0248.R1. PubMed PMID: 31564157.

Lerch TD, Novais EN, Schmaranzer F, Ziebarth K, Steppacher SD, Tannast M, Siebenrock KA: What Is the Prevalence of Cam Deformity After Prophylactic Pinning of the Contralateral Asymptomatic Hip in Unilateral Slipped Capital Femoral Epiphysis? A 10-year Minimum Followup Study. *Clin Orthop Relat Res.* 2019; May;477(5):1111-1122.

Lerch TD, Schmaranzer F, Hanke MS, Leibold C, Steppacher SD, Siebenrock KA, Tannast M: Torsional deformities of the femur in patients with femoroacetabular impingement : Dynamic 3D impingement simulation can be helpful for the planning of surgical hip dislocation and hip arthroscopy]. *Orthopade.* 2019 Dec 18. doi: 10.1007/s00132-019-03847-x. [Epub ahead of print] Review. German. PubMed PMID: 31853580.

Lerch TD, Vuilleumier S, Schmaranzer F, Ziebarth K, Steppacher SD, Tannast M, Siebenrock KA: Patients with severe slipped capital femoral epiphysis treated by the modified Dunn procedure have low rates of avascular necrosis, good outcomes, and little osteoarthritis at long-term follow-up. *Bone Joint J.* 2019 Apr;101-B(4):403-414. doi: 10.1302/0301-620X.101B4.BJJ-2018-1303.R1.

May RD, Frauchiger DA, Albers CE, Tekari A, Benneker LM, Klenke FM, Hofstetter W, Gantenbein B: Application of Cytokines of the Bone Morphogenetic Protein (BMP) Family in Spinal Fusion - Effects on the Bone, Intervertebral Disc and Mesenchymal Stromal Cells. *Curr Stem Cell Res Ther.* 2019;14(8):618-643. doi: 10.2174/1574888X14666190628103528. PubMed PMID: 31455201.

Milavec H, Kellner C, Ravikumar N, Albers CE, Lerch T, Hoppe S, Deml MC, Bigdon SF, Kumar N, Benneker LM: First Clinical Experience with a Carbon Fibre Reinforced PEEK Composite Plating System for Anterior Cervical Discectomy and Fusion. *J Funct Biomater.* 2019 Jul 2;10(3). pii: E29. doi: 10.3390/jfb10030029. PubMed PMID: 31269693; PubMed Central PMCID: PMC6787668.

Schär MO, Jenni S, Fessel G, Snedeker JG, Scheibel M, Zumstein MA: Biomechanical comparison of two biplanar and one monoplanar reconstruction techniques of the acromioclavicular joint. *Arch Orthop Trauma Surg.* 2019 Jun;139(6):779-786. doi: 10.1007/s00402-019-03137-3. Epub 2019 Feb 9.

Schmaranzer F, Helfenstein R, Zeng G, Lerch TD, Novais EN, Wylie JD, Kim YJ, Siebenrock KA, Tannast M, Zheng G: Automatic MRI-based Three-dimensional Models of Hip Cartilage Provide Improved Morphologic and Biochemical Analysis. *Clin Orthop Relat Res.* 2019 May;477(5):1036-1052. doi: 10.1097/CORR.0000000000000755.

Schmaranzer F, Lerch TD, Siebenrock KA, Tannast M, Steppacher SD. Differences in Femoral Torsion Among Various Measurement Methods Increase in Hips With Excessive Femoral Torsion. *Clin Orthop Relat Res.* 2019 May;477(5):1073-1083. doi: 10.1097/CORR.0000000000000610. PubMed PMID: 30624313; PubMed Central PMCID: PMC6494336.

Siebenrock KA, Keel MJB, Tannast M, Bastian JD: Surgical Hip Dislocation for Exposure of the Posterior Column. *JBJS Essent Surg Tech.* 2019 Jan 23;9(1):e2. doi: 10.2106/JBJS.ST.18.00048. eCollection 2019 Mar 26. PubMed PMID: 31086720; PubMed Central PMCID: PMC6485765.

Steppacher SD, Hanke MS, Zurmühle CA, Haefeli PC, Klenke FM, Tannast M: Ultrasonic cartilage thickness measurement is accurate, reproducible, and reliable-validation study using contrast-enhanced micro-CT. *J Orthop Surg Res.* 2019;14(1):67

Steppacher SD, Sedlmayer R, Tannast M, Schmaranzer F, Siebenrock KA: Surgical hip dislocation with femoral osteotomy and bone grafting prevents head collapse in hips with advanced necrosis. *Hip Int.* 2019 Juni; epub ahead of print.

Titan A*, Schär M*, Hutchinson I, Demange M, Chen T, Rodeo S: Growth Factor Delivery to a Cartilage-Cartilage Interface Using Platelet-Rich Concentrates on a Hyaluronic Acid Scaffold. *Arthroscopy* 2019 Dec 17. pii: S0749-8063(19)31196-X. doi: 10.1016/j.arthro.2019.12.004. [Epub ahead of print]
* Denotes equal contribution of the two authors (Titan und Schär sind beide Erstautoren) PMID

Ziebarth K, Steppacher SD, Siebenrock KA: The modified Dunn procedure to treat severe slipped capital femoral epiphysis. *Orthopade.* 2019 Aug;48(8):668-676. doi: 10.1007/s00132-019-03774-x. Review. German. PubMed PMID: 31267140.

Originalarbeiten Kollaborationen

Abbasian M, Baghbani S, Barangi S, Fairhurst PG, Ebrahimpour A, Krause FG, Hashemi M: Outcomes of Ultrasound-Guided Gastrocnemius Injection With Botulinum Toxin for Chronic Plantar Fasciitis. *Foot Ankle Int.* 2019 Oct 5. [Epub ahead of print]

Ahmad S, Heilgemeier M, Anwander H, Beck M: La luxation de hanche à ciel ouvert est plus efficace que l'arthroscopie pour le modelage de l'acétabulum dans le conflit acétabulaire. *Revue de Chirurgie Orthopédique et Traumatologique*, 2019

Ahmad S, Heilgemeier M, Anwander H, Beck M: Surgical hip dislocation is more powerful than arthroscopy for achieving high degrees of acetabular correction in pincer type impingement. *Orthopaedics & Traumatology: Surgery & Research*, 2019

Antoniadis A, Camenzind RS, Schär MO, Bergadano D, Helmy N: Accuracy of tibial cuts with patient-specific instrumentation is not influenced by the surgeon's level of experience. *Knee Surg Sports Traumatol Arthrosc.* 2019 May;27(5):1535-1543. doi: 10.1007/s00167-018-4992-5. Epub 2018 Jun 5.

Bremer AK, Kraler L, Frauchiger L, Krause FG, Weber M: Limited Open Reduction and Internal Fixation of Calcaneal Fractures. *Foot Ankle Int.* 2019 Sep 3. PMID: 31478393

Damopoulos D, Lerch TD, Schmaranzer F, Tannast M, Chênes C, Zheng G, Schmid J: Segmentation of the proximal femur in radial MR scans using a random forest classifier and deformable model registration.. *Int J Comput Assist Radiol Surg.* 2019 Jan 2. doi: 10.1007/s11548-018-1899-z

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Poster

Anwander H, Krause FG: Two-Year Follow Up after Autologous Matrix-induced Chondrogenesis (AMIC) in Patients with an Osteochondral Lesion of the Talus. AFAS, Chicago, 2019

Anwander H, Krause FG: Verlauf nach Autologer Matrixinduzierter Chondrogenese (AMIC) bei Patienten mit einer Osteochondralen Läsion des Talus. AGA, Mannheim, 2019

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Vorträge

Anwander H, Kurze C, Krause FG: Two-Year Follow Up after Autologous Matrix-induced Chondrogenesis (AMIC) in Patients with an Osteochondral Lesion of the Talus, Jahreskongress der swiss orthopaedics, Baden, 2019

Beckmann NA: Titanpfannendoformation unter dynamischer Belastung in der Primär- und Revisionsituation. Deutscher Kongress für Orthopädie und Unfallchirurgie, Berlin, Deutschland, 22.-25.10.2019.

Benneker LM: acute subaxial cervical injuries: is there a difference in the management of young and elderly patients? AOSpine advanced seminar – cervical spine pathology: syndromic vs nosological approach? Nizhny Novgorod, Russia 21.6.2019

Benneker LM: Basics in spinal fracture treatment. AOTrauma course – advanced principles of fracture management for swiss surgeons. Davos, 3.12.2019

Benneker LM: Carbon-PEEK composite implants: possible benefits and clinical experience in spine surgery. 3rd NSpine meeting, Arosa, 5.3.2019

Benneker LM: Cervical adjacent segment degeneration – iatrogenic or natural course. AOSpine advanced seminar – cervical spine pathology: syndromic vs nosological approach? Nizhny Novgorod, Russia 22.6.2019

Benneker LM: Challenges and future strategy for Europe. AOSpine international retreat. Kochin, India, 24.10.2019

Benneker LM: complication prevention by use of intraoperative checklists. Global Spine Congress, Toronto, Canada, 17.5.2019

Benneker LM: Complication prevention: what spine surgeons can learn from pilots. 3rd Saudi Spine Society annual conference. Dammam, Saudi Arabia, 17.11.2019

Benneker LM: Controversies in thoracolumbar burst fracture management. AOSpine Symposium: thoracolumbar trauma, Eurospine Spring meeting. Frankfurt, Germany, 2.5.2019

Benneker LM: Deformitäten bei Erwachsenen. Gesundheitsforum Inselspital Bern, 30.10.2019

Benneker LM: digitale Checklisten. DoMo Fortbildung Kinderchirurgie. Bern, 4.7.2019

Benneker LM: digitale Checklisten. DoMo Fortbildung Orthopädie. Bern, 17.1.2019

Benneker LM: Does implant material matter for the reconstruction of cervical spine defects after tumor resections?. AOSpine advanced seminar – cervical spine pathology: syndromic vs nosological approach? Nizhny Novgorod, Russia 21.6.2019

Benneker LM: Emergency management for jumpers fractures. Eurospine, Helsinki, Finland, 18.9.2019

Benneker LM: EOS. DoMo Fortbildung Orthopädie, Bern 7.2.2019

Benneker LM: EOS: Vorteile aus orthopädischer Sicht, Eröffnungs Apéro DIPR, Bern, 29.1.2019

Benneker LM: Failed odontoid screw fixation – tips and tricks how to revise. AOSpine Symposium: cervical trauma, Eurospine Spring meeting. Frankfurt, Germany, 2.5.2019

Benneker LM: Osteoporotic fractures – what's hot, what's not? AOTrauma course – management of bone disease and fracture. Davos, 4.12.2019

Benneker LM: Sagittal Dysbalance in the elderly – challenges and treatment concepts. 3rd Saudi Spine Society annual conference. Dammam, Saudi Arabia, 18.11.2019

Benneker LM: Skoliose und Bandscheibe – ein unterschätzter Zusammenhang? Swiss Skoliose Meeting. Bern, 6.4.2019

Benneker LM: strategies in case of failure of indication or surgical technique. 2nd Spine AOTK experts' symposium, Amsterdam, Netherlands, 20.9.2019

Benneker LM: Using checklists in the orthopedic OR: more than just safe surgery checklist. ICU management seminar, annual congress SGI, Lausanne, 18.9.2019

Benneker LM: Vertebroplasty / Kyphoplasty – update on indications and results. Global Spine Congress, Toronto, Canada, 16.5.2019

Bigdon SF: Atemwegsmanagement und Ventilation beim Schwerverletzten
ATLS Kurs Hamburg, Deutschland, 04.-06.04.2019

Bigdon SF: Der Schock
ATLS Kurs Bern, Schweiz, 21.01.2019-23.01.2019

Bigdon SF: Die Sonographie des Kniegelenkes
MSK Kurs Sonographie, Bern, Schweiz, 01.-02.05.2019

Bigdon SF: Die Sonographie des Schultergelenkes
MSK Kurs Sonographie, Bern, Schweiz, 01.-02.05.2019

Bigdon SF: Die Sonographie des Schultergelenkes
MSK Kurs Sonographie, St. Gallen, Schweiz, 18.-19.11.2019

Bigdon SF: Vorgehen bei Kopf- und Halswirbelsäulenverletzungen
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Brugger R: Disproportion of vertebral bodies and its impact on lumbar disc herniation. SGOT, Baden, Schweiz, Juni 26-28, 2019

Deml MC: Das Kreuz mit dem Kreuz – Alles rund um die Wirbelsäule – Wer oder was ist das Iliosakralgelenk? Aktuelle Diagnose- und Behandlungsmöglichkeiten. Berner Patientensymposium Inselspital, Switzerland, October 30th 2019

Deml MC: Dynamische Skoliose-Korrektur – aktueller Stand der Forschung und klinische Anwendungen. Annual Meeting Swiss Scoliosis Society, Bern, Switzerland, April 6th 2019

Deml MC: Idiopathische Skoliose und ihre Ursachen – wieso, weshalb, warum? Annual Meeting Swiss Scoliosis Society, Bern, Switzerland, April 6th 2019

Gantenbein B: Invited Keynote lecture: Exploring progenitor cell therapies for the intervertebral disc. 7th International Congress on Biotechnologies for Spinal Surgery (BioSpine7), Rom, 3-5 April, 2019.

Gantenbein B: Invited Keynote lecture: Nucleus Pulposus Progenitor Cells positive for Receptor Angiopoetin-1 alias Tie2 – Multipotent Cells of Specific Capabilities for Tissue Engineering? TERMIS European Chapter Meeting 2019, Rhodes, Greece, 27th-31st May, 2019

Gieger J: Case Discussion – Ärzteteam Rehaklinik Belp, 27.11.2019

Gieger J: Das «Orthogeriatric Research Center Bern» Neue Wege in der Zusammenarbeit Orthopädie/Geriatrie am Inselspital Bern – Hausarztfortbildung Emmental 28.11.2019

Gieger J: Frakturen im Alter - Publikumsvortrag Spital Tiefenau, 13.11.2019

Häckel S, Hoppe S, Bastian JD, Benneker LM, Keel MJB: – How To Approach L5? Treatment Of Lumbal Plexus Injury After Pelvic Vertical Shear Fractures Via Pararectus Approach: A Case Series. Global Spine Congress, Toronto, Canada, May 15-18, 2019

Häckel S, Li Z, Yayon A, Zolfaghar M, Hoppe S, Benneker LM, Grad S: Bandscheibenregeneration in vitro: Einfluss von Hydrogel und Fibroblasten-Wachstumsfaktor 18 (FGF-18), Deutscher Kongress für Orthopädie und Unfallchirurgie (DKOU), Berlin, Deutschland. Oktober 22. – 25. 2019

Häckel S, Li Z, Yayon A, Zolfaghar M, Hoppe S, Benneker LM, Grad S: (2019, June). One-way Street Disc Degeneration? An Investigation of Hydrogel and Fibroblast Growth Factor 18 (FGF-18) for Intervertebral Disc Regeneration. Swiss Orthopaedics 79. Jahreskongress, Baden, Switzerland June 26. – 28. 2019

Hanke M, Steppacher SD, Lerch T, Häfeli P, Siebenrock KA, Tannast M: Acetabular Reconstruction Using A Roof Reinforcement Ring With Hook For Total Hip Arthroplasty In Developmental Dysplasia Of The Hip-Osteoarthritis - Minimum 22-Year Follow-Up Results. EFORT 2019 (European Federation of National Associations of Orthopaedics and Traumatology), Lisbon, Portugal, 05. June – 07. June 2019

Hanke M: Acetabular Reconstruction Using a Roof Reinforcement Ring With Hook for Total Hip Arthroplasty in Developmental Dysplasia of the Hip-Osteoarthritis - Minimum 22-Year Follow-up Results, 78th annual meeting swiss orthopaedics, Montreux, Switzerland, 6-8.6.2018

Hanke M: Acetabular Reconstruction Using a Roof Reinforcement Ring With Hook for Total Hip Arthroplasty in Developmental Dysplasia of the Hip-Osteoarthritis - Minimum 22-Year Follow-up Results 12th Congress of the European Hip Society, Den Haag, Netherlands, 20-22.09.2018

Iselin L, Anwander H, Ganot G, Ulrich MK: Postoperative casting after hallux valgus correction with a Reve-L +/- Akin osteotomy: a technical description. Foot & Ankle minimally invasive surgery, Marrakech, Morocco, 2019

Klenke FM: Biomechanik Zusammenspiel Fuss – Knie. Weiterbildungsabend Ortho-Team Akademie «Fuss vs. Knie, Symbiose oder Konkurrenz»? Bern, Schweiz, 21. November 2019

Klenke FM: Biopsiezugänge in der Tumororthopädie. Weiterbildung Universitätsklinik für Radiologie, Inselspital Bern, 16. Mai 2019

Klenke FM: Der digitale OP - Fiktion oder Wirklichkeit? ORTEA Forum Bern, 22. Mai 2019

Klenke FM: Individuelle Implantate - Vorteile und Probleme. Deutscher Kongress für Orthopädie und Unfallchirurgie (DKOU). Berlin, Deutschland, 22. Oktober 2019

Klenke FM: Wann ist eine Operation sinnvoll? Knackpunkt Knie. Kniearthrose verstehen und behandeln. Öffentliche Gesundheitstage der Rheumaliga Schweiz, Bern, 11. September 2019

Kohlprath R, Bigdon SF, Bolliger L, Zumstein M, Schär M: Superior fragment dislocation influences the surgical indication in greater tuberosity fractures more than posterior dislocation– Analysis of a 104 Patients cohort (Presentation Nr: FFWB4). Sofcot 2019, Paris, France, 11. November 2019

Krause FG “Visiting Professor”: Current therapy of osteomyelitis. The Role of the Volkmann Triangle in Malleolar Fractures. Combined Orthopedic Resident Research Day, 1.11.2019, Saskatoon, Canada

Krause FG, Schwinghammer A, Lerch TD, Schmid T, Ecker T, Schmaranzer F, Weber M: Return-To-Sport at 5-Year Follow-Up after Non-Operative Treatment of Acute Achilles Tendon Rupture. AOFAS 2019 American Orthopaedic Foot and Ankle Society, Hyatt Regency Chicago, USA, September 2019

Krause FG, Zderic I, Gueorguiev B, Schmid T: The Effect Of Subtalar Motion On Calcaneal Osteotomies, 20th EFORT Congress 5.-7.6.2019 Lisbon, Portugal

Krause FG, Zderic I, Gueorguiev B, Schmid T: The Effect Of Subtalar Motion On Calcaneal Osteotomies. Jahreskongress der Swiss Orthopaedics, 25.6.2019-27.6.2019, St. Gallen

Krause FG: 1. Clinical tests and weight-bearing radiography for the evaluation of stability. 2. Tips and tricks regarding fracture reduction, Ankle Fracture Symposium of Norwegian Foot & Ankle Society (NOFAF), Oslo, 24.-25.10.2019

Krause FG: AMIC, offene Technik. Zusammenfassung/Ausblick, 3. AMIC Talus Kadaver Kurs, Berne, 13.-14.12.2019

Krause FG: Ankle Arthritis: what's happening in Switzerland?, COFAS Conference 2019, 31.1.-2.2.2019, Whistler, Canada

Krause FG: Double- vs. Triplearthrodesis, 25. Jahrestagung der Deutschen Assoziation für Fusschirurgie, 29.-30-3-2019, Augsburg, Germany

Krause FG: HELSINKI CLINIC FOR DELEGATE CASES, EFAS Advanced Symposium, 6.-7.12, Helsinki, Finland

Krause FG: Interactive case presentation&discussion, Zimmer Biomet BioSkills: TM Total Ankle Arthroplastym 19.-20-3.019 Tübingen, Germany

Krause FG: Knacknüsse der Fuss- und Sprunggelenkchirurgie, 23.10.2019, Olten

Krause FG: Möglichkeiten arthroskopischer Therapie am USG, AGA Akademie, Basel 1.-2-3-2019

Krause FG: Posttraumatische Korrekturmöglichkeiten am Fuss, 23. Bieler Fortbildungstage, 5.-6.9.2019, Biel

Krause FG: Return-to-sport at 5-year follow-up after non-operative treatment of acute Achilles tendon rupture, AOFAS Summer Meeting 12-15.9.2019, Chicago, USA

Krause FG: The short fibula / unreduced syndesmosis, EFAS Advanced Symposium, 6.-7.12, Helsinki, Finland

Krause FG: Unnecessary Surgery, ankle fracture case, Jahreskongress der Swiss Orthopaedics, 25.6.2019-27.6.2019, St. Gallen

Krause FG: Verlauf nach Autologer Matrix-induzierter Chondrogenese (AMIC) bei Patienten mit einer Osteochondralen Läsion des Talus, AO Research Day, 22.11.2019, Davos

Krause FG: Volkmann triangle, do we need to fix it?, Jahreskongress der Swiss Orthopaedics, 25.6.2019-27.6.2019, St. Gallen

Krause FG: What can be done in case of nonunion after distal metatarsal osteotomy? Foot And Ankle Symposium 2019, 23.-24.5.2019 Zürich

Kuenzler M, Maniglio M, Mihata T, McGarry M, Chalmers C, Carbone J, Neo M, Lee TQ: Superior Capsule Reconstruction Using Fresh-frozen Fascia Lata Graft for Irreparable Supraspinatus and Infrapinatus Tendon Tears: A Cadaveric Biomechanical Study, ICSES Tri-Annual Meeting 2019, Buenos Aires Argentina, September 19, 2019.

Kuenzler M, Maniglio M, Mihata T, McGarry M, Chalmers C, Carbone J, Neo M, Lee TQ: Biomechanical Characteristics of Fascia Lata Graft for Superior Capsule Reconstruction with and without Polyester Patch Augmentation, Swiss Orthopaedics Jahreskongress 2019, Baden, CH, Juni 28, 2019

Kuenzler M, Maniglio M, Mihata T, McGarry M, Chalmers C, Carbone J, Neo M, Lee TQ: Superior Capsule Reconstruction Using Fresh-frozen Fascia Lata Graft for Irreparable Supraspinatus and Infrapinatus Tendon Tears: A Cadaveric Biomechanical Study, Swiss Orthopaedics Jahreskongress 2019, Baden, CH, Juni 28, 2019

Künzler MB: Superior Capsule Reconstruction in the Shoulder, 1st Bern – Davos Research Day, Davos, CH, November 22, 2019

Leibold CS, Langer R, Schmaranzer F, Siebenrock KA: Bone wax can lead to foreign body reaction and focal osteolysis. SGOT 2019 Baden, Schweiz, 4-6.6.2019

Leibold CS, Steppacher SD, Whitlock P, Schmaranzer F, Siebenrock KA, Tannast M: Legg-Calve-Perthes-Disease can lead to Acetabular Retroversion. DKOU Berlin 23.-26.10.2019, Deutschland

Leibold CS, Steppacher SD, Whitlock P, Schmaranzer F, Siebenrock KA, Tannast M: Legg-Calve-Perthes-Disease can lead to Acetabular Retroversion SICOT Muscat, Oman 3.-7.-12.2019

Lerch T, Schmaranzer F, Zheng G, Steppacher SD, Tannast M, Siebenrock KA: Extraarticular Ischiofemoral Hip Impingement Due To Increased Femoral Torsion Is A Novel Cause For Femoroacetabular Impingement - 3D CT Impingement Simulation Study. EFORT 2019 (European Federation of National Associations of Orthopaedics and Traumatology), Lisbon, Portugal, 05. June – 07. June 2019

Lerch TD, Schmaranzer F, Steppacher SD, Zheng G, Siebenrock KA, Tannast M: Patients with avascular necrosis of the femoral head have symptomatic anterior or posterior femoro-acetabular impingement - a 3D hip impingement simulation study (Patienten mit avaskulärer Femurkopfnekrose weisen anteriores und posteriors Hüft Impingement auf bei 3D-CT basierter Impingement Simulation). DKOU 2019, (Deutscher Kongress für Orthopädie und Unfallchirurgie) 22.-25. October 2019, Berlin, Germany

Lerch TD, Schmaranzer F, Steppacher SD, Zheng G, Siebenrock KA, Tannast M: Decreased femoral version is an independent cause of anterior intra- and extraarticular subspine FAI- 3D CT Impingement simulation study. ISHA 2019 (International Society for Hip Arthroscopy), Madrid, Spain, 17.-19. October 2019

Lerch TD, Schmaranzer F, Steppacher SD, Zheng G, Tannast M, Siebenrock KA: Postoperative 3D CT In Patients With Persisting Pain After Hip Arthroscopy For FAI Reveals Unexpected High Prevalence Of Abnormal Femoral Torsion Deformities And Extraarticular Hip Impingement. EFORT 2019 (European Federation of National Associations of Orthopaedics and Traumatology), Lisbon, Portugal, 05. June – 07. June 2019

Lerch TD, Steppacher SD, Schmaranzer F, Siebenrock KA, Zheng G, Tannast M: Reduced Femoral Torsion can cause Anterior Intraarticular and Subspine Extraarticular Femoroacetabular Impingement. SGO 2019, (Schweizerische Gesellschaft für Orthopädie, Swiss Orthopedics), Baden, Switzerland, 26.-28. June 2019, national congress, oral presentation

Lerch TD, Steppacher SD, Siebenrock KA, Tannast M: Rotational Subtrochanteric Femoral Osteotomies for Patients with Femoroacetabular Impingement due to low Femoral Torsion. SGO 2019, (Schweizerische Gesellschaft für Orthopädie, Swiss Orthopedics), Baden, Switzerland, 26.-28. June 2019, national congress, oral presentation

Lerch TD, Todorski I, Schmaranzer F, Steppacher SD, Tannast M, Siebenrock KA: 15-Year Followup After Surgical Hip Dislocation For Patients With Cam-Type Femoroacetabular Impingement results in high survivorship. ISHA 2019 (International Society for Hip Arthroscopy), Madrid, Spain, 17.-19. October 2019

Lerch TD, Todorski I, Schmaranzer F, Steppacher SD, Tannast M, Siebenrock KA: Hip dysplasia and acetabular overcoverage negatively affect longterm outcome at 15-year followup after open cam resection for early treatment for cam-Femoroacetabular Impingement. AAOS 2019 (American Academy of Orthopedic Surgeons), Las Vegas, USA, March 2019, international congress, oral presentation

Lerch TD, Ziebarth K, Steppacher SD, Schmaranzer F, Tannast M, Siebenrock KA: High Survivorship And Little Osteoarthritis At Longterm Followup In Severe SCFE Patients Treated With A Modified Dunn Procedure. EPOS 2019 (European Paediatric Orthopaedic Society), Tel Aviv, Israel, 3.-6. April 2019, international congress, oral presentation

Liechti EF: Primäre VKB-Naht mit Dynamischer Intraligamentärer Stabilisierung: Eine konsekutive unselektionierte Fallserie mit Minimum 5-Jahres Follow-up. Deutscher Kongress für Orthopädie und Unfallchirurgie, Berlin, Deutschland, Oktober 22-25, 2019

May RD, Frauchiger DA, Albers CE, Benneker LM, Hofstetter W, Gantenbein B: Stimulation of intervertebral disc cells in alginate bead culture with bone morphogenetic protein 2 and/or L51P. TERMIS European Chapter Meeting 2019, 27th-31st May 2019, Rhodes, Greece, 2019

Milavec H, Kellner C: First Clinical Experience with a Carbon Fibre Reinforced PEEK Composite Plating System for Anterior Cervical Discectomy and Fusion. 19th SGS Annual Meeting, St.Gallen, Switzerland, August 23, 2019

Milavec H: First Clinical Experience with a Carbon-Fibre-Reinforced PEEK Composite Plating System for Anterior Cervical Discectomy and Fusion. Singapore Spine Society 2nd Annual Meeting, Singapore, January 12 – 13, 2019.

Milavec H: Surgery-induced Spreading of Tumor Cells into the Circulatory System during Cement Augmentation in Metastatic Spinal Disease – A Pilot Study. 79th Annual Conference of Swiss Society of Orthopaedic Surgery and Traumatology, Baden, Switzerland, 26 – 28 June, 2019

Milavec H: Surgery-induced Spreading of Tumor Cells into the Circulatory System during Cement Augmentation in Metastatic Spinal Disease – A Pilot Study. 19th SGS Annual Meeting, St.Gallen, Switzerland, August 23, 2019

Milavec H: Surgical Management of Multiple Myeloma with Symptomatic Involvement of the Spine. Singapore Spine Society 2nd Annual Meeting, Singapore, January 12 – 13, 2019

Milavec H: Surgical Management of Multiple Myeloma with Symptomatic Involvement of the Spine. 19th SGS Annual Meeting, St.Gallen, Switzerland, August 23, 2019.

Moser HL: Genetic Lineage Tracing of targeted cells and evaluation of different outcome measurements after full detachment and repair of the supraspinatus tendon, ICSES, September 17-20, 2019

Moser HL: Genetic Lineage Tracing of targeted tendon cells after full detachment and repair of the supraspinatus tendon, SGO, June 26-28, 2019

Penev P, Simons P, Qawasmi F, Gueorguiev B, Richards G, Krause FG, Knobe M, Klos K: Ligamentous Lisfranc injuries – CT study with weightbearing on cadavers, Second Balkan Foot and Ankle Meeting & Second National Conference of Bulgarian Foot and Ankle Society (BFAS), 9.-11.5.2019, Sofia, Bulgaria

Schär M, Flückiger R: Propioni infection in the shoulder. Fortbildung Handchirurgie. Inselspital Bern, Bern, Schweiz, 30. Oktober 2019

Schär M: Biologics in Rotator Cuff Repair: Sitzungstitel: Rotator Cuff. Refixation Update Münster, Münster, Deutschland, 21.-23.3.2019 (Vortrag gehalten am 21.3.2019)

Schär M: Biologische Aspekte der Sehnenheilung (Vortrag Nr: OE05-455): Sitzungstitel: OE05 RM-Ruptur und Ersatzverfahren - im Lichte der Multicenterstudie „Rerupturen“ des AGA Schulterkomitees. AGA Mannheim, Deutschland, Freitag. (Vortrag gehalten am 13.09.2019, 10:00)

Schär M: Endoprothetik (Schulter, Hüfte und Knie). Kongress der schweizerischen Gesellschaft für Medizinische Codierung SGMC. Bern 25.09.2019 und Thalwil 21.10.2019

Schär M: Frozen Shoulder. Schulter-Physio-Solothurn 2019, Solothurn, Schweiz, 7.9.2019

Schmaranzer F, Degonda C, Lerch TD, Cullmann-Bastian J, Heverhagen JT, Siebenrock KA, Tannast M, Zheng G: MRI-based 3D models of the pelvis can replace CT-based 3D models for range of motion analysis in femoroacetabular impingement. SCR 2019 (Swiss Congress of Radiology), St. Gallen, Switzerland, 13. – 15.June 2019, national congress, oral presentation

Schmaranzer F, Degonda C, Lerch TD, Cullmann-Bastian J, Heverhagen JT, Siebenrock KA, Zheng G: MRI-based 3D models of the pelvis can replace CT-based 3D models for range of motion analysis in femoroacetabular impingement. ESSR 2019, 26.-29. June 2019, Lisbon, Portugal

Schmaranzer F, Helfenstein R, G. Zeng, Lerch T, Siebenrock KA, Tannast M, G. Zheng: Automatic MRI-based 3D models of the pelvis can replace CT-based 3D models for range of motion analysis in femoroacetabular impingement. European Society for Skeletal Radiology, Lissabon, Portugal, Juni 28–29, 2019

Schmaranzer F, Helfenstein R, Zeng G, Lerch TD, Siebenrock KA, Tannast M, Kim YJ, Zheng G: Automatic MRI-based 3D models of hip cartilage using a 3D U-net-like fully convolutional network for improved morphologic and biochemical analyses. ECR 2019 (European Congress of Radiology) Vienna, Austria, 27.2. - 3. March 2019, international congress, oral presentation

Schmaranzer F, Helfenstein R; Zeng G, Lerch, TD; Siebenrock KA; Tannast M, Zheng G: Automatic MRI-based 3D models of hip cartilage using a 3D U-net-like fully convolutional network for improved morphologic and biochemical analysis. ESSR 2019, 26.-29. June 2019, Lisbon, Portugal

Schmaranzer F, Lerch TD, Cullmann-Bastian J, Schmaranzer E, Heverhagen JT, Siebenrock KA, Tannast M: Traction MR arthrography of the hip for characterisation of femoral head necrosis and resulting femoral cartilage damage in patients eligible for joint-preserving surgery. ECR 2019 (European Congress of Radiology) Vienna, Austria, 27.2. - 3. March 2019, international congress, oral presentation

Schmaranzer F, Lerch TD, Cullmann-Bastian J, Siebenrock KA, Tannast M, Heverhagen JT, Ith M, Jung B: 3D T1 mapping of hip cartilage: Comparison of a new inversion- recovery based method with conventional dual-flip angle acquisition. SCR 2019 (Swiss Congress of Radiology), St. Gallen, Switzerland, 13. – 15. June 2019, national congress, oral presentation

Schmaranzer F, Lerch TD, Degonda C, Todorski I, Cullmann-Bastian J, Zheng G, Siebenrock KA, Tannast M: MRI-based 3D models of the pelvis can replace CT-based 3D models for range of motion analysis in femoroacetabular impingement. European Society for Skeletal Radiology, Lissabon, Portugal, Juni 28–29, 2019

Schmaranzer F, Lerch TD, Siebenrock KA, Tannast M, Schmaranzer E: Postoperative, traction MR arthrography in patients with persisting pain after arthroscopic FAI correction reveals high prevalence of osseous deformities and intra-articular lesions. ECR 2019 (European Congress of Radiology) Vienna, Austria, 27.2. - 3. March 2019, international congress, oral presentation

Schmaranzer F, Lerch TD, Siebenrock KA, Vavron P, Henninger B, Schmaranzer E, Tannast M: Postoperative, Traction MR Arthrography for Pain after Arthroscopic FAI Correction: High Prevalence of Osseous Deformities and Lesions Due to Under-/ or Overcorrection. International Skeletal Society; Vancouver, Canada, September 9-10, 2019

Schmaranzer F., Lerch T., Cullmann-Bastian J, Siebenrock KA, Tannast M, Heverhagen JT, Ith M, Jung B: 3D T1 mapping of hip cartilage: a comparison of a new inversion-recovery-based method with conventional dual-flip angle acquisition. ECR 2019 (European Congress of Radiology) Vienna, Austria, 27.2. - 3. March 2019, international congress, oral presentation

Schmaranzer F: Labral and chondral lesions on a hip MRI – How to report? European Society for Skeletal Radiology, Lissabon, Portugal, Juni 28–29, 2019

Siebenrock KA: Cam Deformität und femoro-azetabuläres Impingement. Weiterbildungsvortrag in der Orthopädischen Universitätsklinik Heidelberg, Deutschland 18.01.2019.

Siebenrock KA: Epiphysiolyse. Mini-Symposium Chirurgie de la Hanche - Abschied Prof. E. Gautier. Hôpital Cantonal Fribourg, Schweiz 27. 02. 2019.

Siebenrock KA: Hip Preservation: Modern opportunities – when is it too late? Vreden`s Readings. St. Petersburg, Russia, 26. – 28. 09. 2019.

Siebenrock KA: PAO and Surgical Hip Dislocation – Longterm results for prevention of osteoarthritis. Schulthess Clinic Academy, Zürich, Switzerland, 23. – 24. 05. 2019.

Siebenrock KA: Proximal femoral osteotomies: indications and technical features: Vreden`s Readings. St. Petersburg, Russia, 26. – 28. 09. 2019.

Siebenrock KA: SCFE – treatment today. ISHA Annual Scientific Meeting, Madrid, Spain 17. – 19. 10. 2019.

Siebenrock KA: Surgical dislocation of the hip. International Conference. Advanced Treatment of Hip and Knee Pathology. Khirkov, Ukraine 25. 04. – 26. 04. 2019.

Siebenrock KA: Surgical hip dislocation: unlimited opportunities. Vreden`s Readings. St. Petersburg, Russia, 26. – 28. 09. 2019.

Siebenrock KA: The results of PAO as prevention of osteoarthritis, long-term follow up. International Conference. Advanced Treatment of Hip and Knee Pathology. Khirkov, Ukraine 25. 04. – 26. 04. 2019.

Siebenrock KA: Update: Dysplasie und FAI – Möglichkeiten und Grenzen der gelenkerhaltenden Chirurgie. DKOU, Berlin, BRD. 22.- 25.10.2019.

Siebenrock KA: What do we really know about natural history and prognosis after surgery? ISHA Annual Scientific Meeting, Madrid, Spain 17. – 19. 10. 2019.

Stappacher SD: Behandlungskonzept der Cam-Deformität. AE-Kurs für Gelenkerhaltende Hüftchirurgie, Dresden, Germany, November 8 – 9, 2019.

Stappacher SD: Gold-Standard Hüft-MRT heute – radiäre Sequenzen, SH-Rotationsmessung, 3D MRT? 9. Niederrheinischer Kongress & OP-Kurs Hüft-Arthroskopie und Gelenkerhalt operativ, Essen, Germany, November 15 – 16, 2019.

Stappacher SD: Hip arthroscopy for FAI; (Un-)necessary surgeries in orthopaedics. 79. Jahreskongress der Schweizerischen Gesellschaft für Orthopädie und Traumatologie (SGOT), Baden, Switzerland, June 26 – 28, 2019.

Stappacher SD: Hüfte: Impingement, Arthrose und deren Therapie – Was muss der Hausarzt wissen? 18. Berner Notfall-Symposium, Bern, Octobre 17, 2019.

Stappacher SD: Periacetabular osteotomy: the Bernese experience. 6th Masterclass in Arthroplasty Surgery Thessaloniki MAST, Thessaloniki, Greece, December 6 – 8, 2019.

Stappacher SD: Periazetabuläre Osteotomie: Technik und Tipps. AE-Kurs für Gelenkerhaltende Hüftchirurgie, Dresden, Germany, November 8 – 9, 2019.

Todorski I, Lerch TD, Schmaranzer F, Steppacher SD, Tannast M, Siebenrock KA: 15-Year Followup After Surgical Hip Dislocation For Patients With Cam-Type Femoroacetabular Impingement. EFORT 2019 (European Federation of National Associations of Orthopaedics and Traumatology), Lisbon, Portugal, 05. June – 07. June 2019

Zumstein MA: 3D-Pathomechanics, Radiographic Assessment, and Surgical Indications - Why I do not use the Rockwood Classification?. 14. International Congress of Shoulder and Elbow Surgery, Buenos Aires, Argentina, September 17-20, 2019.

Zumstein MA: Anteroinferior glenohumeral instability procedures: When?/What?/How? South East European Forum on Orthopaedics and Traumatology, Dubrovnik, April 24-24, 2019.

Zumstein MA: Biologically enhanced RC healing. International Balgrist Shoulder Course, Zürich, Switzerland, March 28-30, 2019.

Zumstein MA: Biomechanical considerations in RSA. Austrian Shoulder Symposium, Vienna, Austria, September 05, 2019.

Zumstein MA: Biomechanics of RTSA: Best position and implant design. International Balgrist Shoulder Course, Zürich, Switzerland, March 28-30, 2019.

Zumstein MA: Case presentation: combined irreparable cuff deficiency and glenoid deficiency. Medacta, 9th M.R.O.E. International Symposium, Lugano, Switzerland, April 11-13, 2019.

Zumstein MA: Complex Humeral Fracture Non-operative vs Surgical treatment. International Shoulder Course, Paris, France, February 14-16, 2019.

Zumstein MA: Critical analysis of Bigliani's classic article: Morphology of the acromion and its relationship to rotator cuff tears, Orthop Trans 10:228, 1986. 11th Advanced Course on Shoulder Arthroscopy, Val d'Isère, France, January 20-25, 2019.

Zumstein MA: Cuff Repair & Tendon Transfer – Latissimus Dorsi for POST SUP RCT. 8th Annecy Live Surgery, International Shoulder advanced course, Annecy, France, June 6-8, 2019.

Zumstein MA: Die Rolle der fettigen Degeneration/ Atrophie der Rotatorenmanschette – können wir die Sehnenheilung und Muskelregeneration biologisch unterstützen?. XV. Bogenhausener Schultersymposium, München, Germany, November 22-23, 2019.

Zumstein MA: Early clinical experience – case focused: My experience in Reverse configuration. Medacta, 17th M.O.R.E. Shoulder learning Center, Geneva, Switzerland, September 26-27, 2019.

Zumstein MA: Medacta Shoulder System design rationale. Medacta, 11th M.O.R.E. Shoulder learning Center, Cremona, Italy, April 13-14, 2019.

Zumstein MA: Medacta Shoulder System design rationale. Medacta, 17th M.O.R.E. Shoulder learning Center, Geneva, Switzerland, September 26-27, 2019.

Zumstein MA: MyShoulder Web Planner - Anatomic shoulder replacement case. Medacta, 17th M.O.R.E. Shoulder learning Center, Geneva, Switzerland, September 26-27, 2019.

Zumstein MA: New trends in understanding shoulder pathology and arthroscopic treatments. Medacta, 9th M.R.O.E. International Symposium, Lugano, Switzerland, April 11-13, 2019.

Zumstein MA: Nochmalige Rekonstruktion oder Sehnentransfer – welcher Transfer ist wann sinnvoll? XV. Bogenhausener Schultersymposium, München, Germany, November 22-23, 2019

Zumstein MA: Orthobiologics – an update. Austrian Shoulder Symposium, Vienna, Austria, September 05, 2019.

Zumstein MA: Partial tears: Indications for operative repair and technique. International Balgrist Shoulder Course, Zürich, Switzerland, March 28-30, 2019.

Zumstein MA: Posterolateral elbow instability: repair or reconstruct, pre- intra- and postoperative. South East European Forum on Orthopaedics and Traumatology, Dubrovnik, Croatia, April 24-24, 2019.

Zumstein MA: Rotator Cuff Treatments – When is a tendon transfer the solution?. Medacta, 9th M.R.O.E. International Symposium, Lugano, Switzerland, April 11-13, 2019.

Zumstein MA: Shoulder Arthroplasties - RSA for Malunion. 8th Annecy Live Surgery, International Shoulder advanced course, Annecy, France, June 6-8, 2019.

Zumstein MA: Tipps zur Fehlervermeidung bei RM-Rekonstruktionen. XV. Bogenhausener Schultersymposium, München, Germany, November 22-23, 2019.

Zumstein MA: Treatment of AC Joint Injuries: 3D-Pathomechanics, Radiographic Assessment, and Surgical Indications?. 14. International Congress of Shoulder and Elbow Surgery, Buenos Aires, Argentina, September 17-20, 2019.

Zumstein MA: When should you use a standard stem, and how do you do it?. Medacta, 9th M.R.O.E. International Symposium, Lugano, Switzerland, April 11-13, 2019.

Organisation Kurse/Symposien

Benneker LM, Albers CE: AO Spine Masters Webinar – Cervical Trauma. Dübendorf, 22.8.2019

Benneker LM, Kandziora F: AOSpine Symposium: cervical trauma, Eurospine Spring meeting. Frankfurt, Germany, 2.5.2019

Benneker LM, Schnake K: AOSpine Symposium: thoracolumbar trauma, Eurospine Spring meeting. Frankfurt, Germany, 2.5.2019

Benneker LM: AOSpine Symposium: Spino-pevic injuries. Eurospine, Helsinki, Finland, 18.9.2019

Benneker LM: Nodus Trauma Kurs. Sitem Bern. 4.-5.9.2019

Deml MC: Skoliose Bewegt! Fachtagung Verein Skoliose Schweiz, Bern, Switzerland, April 6th, 2019.

Gantenbein B: Session on intervertebral disc regeneration. Co-moderated with Dr. Max Gay, University of Basel, TERMIS-EU Chapter meeting, Rhodes, Greece.

Gantenbein B: Steering committee of the Stem Cell Research & Regenerative Medicine Platform of Bern (SCRM), Bern, Haus der Universität, 8 Nov, 2019

Häckl S: 1st Research Day Davos – Bern, AO Research Institute Davos, Switzerland, November 22, 2019

Krause FG: 3. AMIC Talus Kadaver Kurs, Berne, December 13-14, 2019

Schmid M, Schär M, Müller M: Konservative Frakturbehandlung (BIHAM Kurs für angehende Ärzte). Bern, Schweiz, Mai 9. und 16., 2019

Fakultät bei Kursen/Symposien

Bastian JD: "Case-based lecture: Beckenverletzung", Masterkurs Alterstraumatologie, Akademie der Unfallchirurgie und Deutsche Gesellschaft für Unfallchirurgie, 19.09. - 20.09.2019, Universitätsspital Zürich

Bastian JD: "Whats new in pelvic and acetabular trauma?", Congress of the Association Montegrin Orthopedists and Traumatologists, 26.09. - 28.09.2019, Becici, Montenegro

Bastian JD: "Periprosthetic Femoral Fractures", Schulthess Clinical Academy, 23. – 24.05.2019, Zürich, Switzerland

Bastian JD: 2nd Swiss Orthogeriatrics Day, Inselspital Bern, 31.10.2019

Bastian JD: Key Note Lecture "Fractures in the Elderly - Current Challenges", 10th Anniversary International Medical Congress, 05.09. - 08.09.2019, Sofia, Bulgaria

Benneker LM: 2nd Spine AOTK experts' symposium, Amsterdam, Netherlands, 20.-21.9.2019

Benneker LM: 3rd Saudi Spine Society annual conference. Dammam, Saudi Arabia, 16.-18.11.2019

Benneker LM: AOSpine advanced seminar – cervical spine pathology: syndromic vs nosological approach? Nizhny Novgorod, Russia 21.-22.6.2019

- Benneker LM: AOTrauma course – advanced principles of fracture management for swiss surgeons. Davos, 1.-6.12.2019
- Benneker LM: Eurospine Spring meeting. Frankfurt, Germany, 2.5.2019
- Benneker LM: Nodus Trauma Kurs. Sitem Bern. 4.-5.9.2019
- Bigdon SF: ATLS Kurs Bern, Schweiz, 21.01.2019-23.01.2019
- Bigdon SF: ATLS Kurs Hamburg, Deutschland, 04.-06.04.2019
- Bigdon SF: MSK Kurs Sonographie, Bern, Schweiz, 01.-02.05.2019
- Bigdon SF: MSK Kurs Sonographie, St. Gallen, Schweiz, 18.-19.11.2019
- Deml MC: 6th AOSpine Advance Level Specimen Course, Geneva, Switzerland, June 17th -18th 2019
- Hoppe S: Das Diagnostisch Therapeutische Seminar - Unspezifischer Rückenschmerz – Wann braucht es den Chirurgen? Universitätsklinik und Poliklinik für Allgemeine Innere Medizin, Inselspital Bern
Direktor und Chefarzt: Prof. Dr. med. D. Aujesky, 21. 3 2019 Bern
- Klenke FM: Case discussions: Tumors around the knee. 70. Jahrestagung Swiss Orthopaedics, Baden, 26.-28. Juni 2019
- Krause FG: 3. AMIC Talus Kadaver Kurs, Berne, December 13-14, 2019
- Krause FG: Arthroskopische Behandlungen am Sprunggelenk. 23.8.2019. Luzern
- Krause FG: COFAS Conference 2019, 31.1.-2.2.2019, Whistler, Canada
- Krause FG: Zimmer Biomet BioSkills: TM Total Ankle Arthroplasty, 19.-20-3.019 Tübingen, Germany
- Krause FG: Zimmer Biomet BioSkills: TM Total Ankle Arthroplasty, 18.-19.9.2019 Vienna, Austria
- Kurze C: 3. AMIC Talus Kadaver Kurs. Bern, Schweiz, 13.–14. Dezember 2019.
- Schär M: 18th M.O.R.E. Shoulder Learning Center. Universitätspital HUG, Genf, Schweiz, November 28-29 2019
- Schmaranzer F: FAI Consensus Session. European Society for Skeletal Radiology, Lissabon, Portugal, Juni 28–29, 2019
- Siebenrock KA: DKOU, Berlin, BRD. 22.- 25.10.2019.
- Siebenrock KA: ISHA Annual Scientific Meeting, Madrid, Spain 17. – 19. 10. 2019
- Stappacher SD: 6th Masterclass in Arthroplasty Surgery Thessaloniki MAST, Thessaloniki, Greece, December 6 – 8, 2019.
- Stappacher SD: AE-Kurs für Gelenkerhaltende Hüftchirurgie, Dresden, Germany, November 8 – 9, 2019.
- Tinner CT: AO Trauma-Kurs – Prinzipien der Frakturbehandlung für Fachpersonen Operationsbereich. Oberdorf CH, 21.-22.10.2019
- Zumstein MA: 11th Advanced Course on Shoulder Arthroscopy, Val d'Isère, France, January 20-25, 2019
- Zumstein MA: Austrian Shoulder Symposium, Vienna, Austria, September 05, 2019.
- Zumstein MA: International Balgrist Shoulder Course. Zürich, Switzerland, March 28-20, 2019.

Zumstein MA: IX. International Innsbruck Anatomy Course on Surgery of the Shoulder, Innsbruck, Austria, February 25-27, 2019

Zumstein MA: Medacta, M.O.R.E. Shoulder learning Center, Cremona, Italy, April 13-14, 2019.

Zumstein MA: Medacta, M.O.R.E. Shoulder learning Center, Genva, Switzerland, September 26-27, 2019.

Zumstein MA: Medacta, M.O.R.E. Shoulder Learning Center. Geneva, Switzerland, November 28-29, 2019.

Instruktor bei Kursen/Symposien

Benneker LM: AOTrauma course – advanced principles of fracture management for swiss surgeons. Davos, 1.-6.12.2019

Bigdon SF: ATLS Kurs Bern, Schweiz, 21.01.2019-23.01.2019

Bigdon SF: ATLS Kurs Hamburg, Deutschland, 04.-06.04.2019

Bigdon SF: MSK Kurs Sonographie, Bern, Schweiz, 01.-02.05.2019

Bigdon SF: MSK Kurs Sonographie, St. Gallen, Schweiz, 18.-019.11.2019

Deml MC: Operative Behandlungsstrategien am ISG; Zentrumsfortbildung, Physiotherapie, Inselspital, Bern, 21.03.2019

Evangelopoulos DS: Extrarticular causes of hip impingement. HAOST Congress, Athens, Oktober 2019

Hanke M: Black or white - Systematische Beurteilung des konventionellen Röntgenbildes, Pre-Course for Residents, Bernese Hip Symposium, Bern, Switzerland, 2018

Hoppe S: AO Foundation Chairpersons Education Program, Prag, Tschechische Republik, 15/06/2019 - 16/06/2019

Hoppe S: AOSpine Advanced Level Hospital Based Simulation Course—Minimally Invasive Decompression, Baden, 06/04/2019

Hoppe S: AOSpine Davos Courses Advanced level course on Endoscopy, Davos, 08/12/2019 - 11/12/2019

Hoppe S: AOSpine Junior Local Seminar—Cervical Trauma Part I: Surgical Technique and Case, USZ Zürich, 14/11/2019

Hoppe S: AOSpine Local Junior Seminar—ACDF: Surgical Technique and Cases , Zürich, USZ, 09/04/2019

Kehl Ch: Table Instructor «Y-Nagel»-Kurs der Firma STRYKER, Chirurgenkongress 2019, Jahreskongress der Schweizerischen Gesellschaft für Chirurgie, 15.-17. Mai 2019 im Kursaal Bern

Krause FG: 3. AMIC Talus Kadaver Kurs, Berne, 13.-14.12.2019

Krause FG: Arthroskopische Behandlungen am Sprunggelenk, 23.8.2019. Luzern

Krause FG: COFAS Conference 2019, 31.1.-2.2.2019, Whistler, Canada

Kurze C: 3. AMIC Talus Kadaver Kurs. Bern, Schweiz, 13.–14. Dezember 2018.

Schär M: 18th M.O.R.E. Shoulder Learning Center, Universitätsspital HUG, Genf, Schweiz, November 28-29 2019

Zumstein MA: Anatomic shoulder replacement demonstration. Medacta, M.O.R.E. Shoulder learning Center, Geneva, Switzerland, September 26-27, 2019.

Zumstein MA: Cuff Repair & Tendon Transfer – Latissimus Dorsi for POST SUP RCT. 8th Annecy Live Surgery, International Shoulder advanced course, Annecy, France, June 6-8, 2019.

Zumstein MA: Medacta Shoulder Kickoff Meeting, Yokohama, Japan, May 11, 2019

Zumstein MA: Medacta Shoulder System design rationale, M.O.R.E. Shoulder learning Center, Cremona, Italia, April 13-14, 2019.

Zumstein MA: Medacta's M.O.R.E. International Symposium, Lugano, Switzerland, April 11-13, 2019.

Zumstein MA: Reverse shoulder replacement demonstration. Medacta. M.O.R.E. Shoulder learning Center, Geneva, Switzerland, November 28-29, 2019.

Vorsitz/Rundtischdiskussion bei Kursen/Symposien

Benneker LM, Schnake K: AOSpine Symposium: thoracolumbar trauma, Eurospine Spring meeting. Frankfurt, Germany, 2.5.2019

Benneker LM, Abdel-Wanis M: Session trauma-Thoracolumbar 1. Global Spine Congress, Toronto, Canada, 16.5.2019

Benneker LM, Basankin I: Lower cervical trauma. AOSpine advanced seminar – cervical spine pathology: syndromic vs nosological approach? Nizhny Novgorod, Russia 21.6.2019

Benneker LM, Bokow A: Cervical destructive pathology and malformations. AOSpine advanced seminar – cervical spine pathology: syndromic vs nosological approach? Nizhny Novgorod, Russia 22.6.2019

Benneker LM: Module 3: basic considerations in pelvic and spinal fractures. AOTrauma course – advanced principles of fracture management for swiss surgeons. Davos, 1.-6.12.2019

Benneker LM: Symposium: Biomaterials and Biotechnologies for spine fusion and disc regeneration. Global Spine Congress, Toronto, Canada, 16.5.2019

Benneker LM; Kandziora F: AOSpine Symposium: cervical trauma, Eurospine Spring meeting. Frankfurt, Germany, 2.5.2019

Evangelopoulos DS: Discussions on Surgical Reconstruction, HAOST Congress, Athens, Oktober 2019

Hoppe S: AOSpine Advanced Level Specimen Course—Complex Surgical Techniques: What can you learn from Pilots, Bern, 25/10/2019 - 26/10/2019

Krause FG: COFAS Conference 2019, 31.1.-2.2.2019, Whistler, Canada

Schär M: Basic Science (Nr: SI02) Raum 9.0 (A+B). DVSE 2019, St. Gallen, Schweiz, Donnerstag 16. Mai 2019, 16:15 - 17:45

Stappacher SD: Case discussion hip. 79. Jahreskongress der Schweizerischen Gesellschaft für Orthopädie und Traumatologie (SGOT), Baden, Switzerland, June 26 – 28, 2019.

Stappacher SD: Experts meet the experts – hip preservation. 6th Masterclass in Arthroplasty Surgery Thessaloniki MAST, Thessaloniki, Greece, December 6 – 8, 2019.

Steppacher SD: FAI Behandlungskonzept und Zugänge- AE-Kurs für Gelenkerhaltende Hüftchirurgie, Dresden, Germany, November 8 – 9, 2019.

Zumstein MA: Acromio-clavicular joint and fractures. 11th Advanced Course on Shoulder Arthroscopy, Val d'Isère, France, January 20-25, 2019.

Zumstein MA: Arthroscopy – Anchors. Austrian Shoulder Symposium, Vienna, Austria, September 05, 2019.

Zumstein MA: Endoprosthetics – Do we live in a reversed world? Is there still a need for anatomical replacement?. Austrian Shoulder Symposium, Vienna, Austria, September 05, 2019.

Zumstein MA: Glenoid in Reverse. Case presentation: combined irreparable cuff deficiency and glenoid deficiency. Medacta, 9th M.R.O.E. International Symposium, Lugano, Switzerland, April 11-13, 2019

Zumstein MA: Management of Infection. International Shoulder Course, Paris, France, February 14-16, 2019.

Zumstein MA: Reverse shoulder arthroplasty: New trends and controversies, Presentations clinical results. International Shoulder Course, Paris, France, February 14-16, 2019.

Zumstein MA: Revision fehlgeschlagener RM-Rekonstruktionen. XV. Bogenhausener Schulersymposium, München, Germany, November 22-23, 2019.

Zumstein MA: Rotator Cuff Pathology. 11th Advanced Course on Shoulder Arthroscopy, Val d'Isère, France, January 20-25, 2019.

Zumstein MA: Scientific session. Reverse shoulder replacement case. Medacta, 18th M.O.R.E. Shoulder Learning Center, Geneva, Switzerland, November 28-29, 2019.

Zumstein MA: Shoulder Arthroplasties - RSA for Malunion. 8th Annecy Live Surgery, International Shoulder advanced course, Annecy, France, June 6-8, 2019.

Zumstein MA: Upper Extremity. Fortbildungs-Tag Swiss orthopaedics, Bern, Switzerland, Februar 2, 2019.

Zumstein MA: Upper Extremity. Fortbildungs-Tag Swiss orthopaedics, Bern, Switzerland, Februar 2, 2019.

Zusätzliche Lehrleistungen

Anwander H: Anatomy Assistant at the University of Bern, 20%; 09-12/2019

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

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

Klenke FM: Klinischer Dozent: ORT4, Visite Hüfte/Knie, Medizinische Fakultät Universität Bern, 2 Lehrstunden 2019

Klenke FM: OA/LA teaches UA, Orthopädische Klinik, Inselspital Bern, 8 Std. 2019

Klenke FM: Weiterbildung Orthopädie - Physiotherapie, Inselspital Bern, 4 Lehrstunden 2019

Klenke FM: Weiterbildung Orthopädische Chirurgie, Inselspital Bern, 2 Lehrstunden 2019

Krause FG: "Fusskränzli" Fallvorstellungen Berner und ausserkantonaler Fusschirurgen, 6h/Jahr, 2016-heute

Krause FG: CAS-Modul Orthopädie/ Traumatologie 2h/Jahr, 2016-heute

Krause FG: Klinik-interner Journalclub "Fussteam", 8h/Jahr, 2014-heute

Krause FG: Kurs_9366 Orthopädie, Traumatologie (ORT) ORT3 Fuss u. Sprunggel., 2h/Jahr, 2012-heute

Krause FG: Organisation der klinik-internen Morgenfortbildung, 5h/Jahr, 2011-heute

Krause FG: Vorträge für die klinik-interne Morgenfortbildung, 1h/Jahr, 2000-heute

Künzler MB: Klinischer Dozent: Sporttraumatologie, Ringvorlesung Sportbiologie / Sportmedizin, ISPW Universität Bern, November 6, 2019

Weihls J: Klinischer Dozent: Sporttraumatologie I und II, Einführung Sport- und Bewegungsmedizin SK2, Universität Bern, April 04, 2019. 2 Lehrstunden.

Weihls J: Klinischer Dozent: Sporttraumatologie, Universität Bern, Institut für Sportwissenschaft, November 06, 2019. 2 Lehrstunden.

Habilitation

PD Dr. med. Simon Steppacher

PD Dr. med. Nicholas Beckmann:

Influence of Materials and Cup Design in Acetabular Revision Arthroplasty

Department of Orthopaedics and Traumatology, Heidelberg University Hospital, Heidelberg, Germany

Stipendien

Anwander H

EFORT Spring Travelling Fellowship, Estland Mai 2019

Seidel A

Swiss Orthopaedics

Foot and Ankle Fellowship inklusive Research Project, Canada

Für Aufenthalt vom 01.07.2019-30.06. 2020

CHF 33000.-

Masterarbeiten

David Kevin

Vonwyl Datenerfassung diabetic foot project.

Leitung: Schwinghammer A., Krause F.

Grob Valentin

Langzeitresultate nach arthroskopischer Hüftgelenk- erhaltender Chirurgie

Leitung: Prof. Dr. med. Klaus Siebenrock

Betreuung: Dr. med. Till Lerch, Departement of Orthopaedic Surgery and Traumatology, InseleSpital, University of Bern, 2019.

Rinchen Dorjee Phurtag
Gender Authorship Trends of Spine Surgery
Research across Different Countries - Retrospective Bibliometric Review
Leitung: Dr. med. Moritz C. Deml, Departement of Orthopaedic Surgery and Traumatology, Inselspital,
University of Bern, 2019

Schilling Barbara Andrea
Does lower leg alignment influence foot shape during weight-bearing 3D computed tomography? A
cadaver study.
Leitung: Schmid T, Krause F.

Dissertationen

Helfenstein Ronja

Automatic MRI-based Three-dimensional Models of Hip Cartilage Provide Improved Morphologic and Biochemical Analysis.

Leitung: Prof. Dr. med. Moritz Tannast, Departement of Orthopaedic Surgery and Traumatology, Inselspital, University of Bern, 2019

Jenni Stefanie

Biomechanical comparison of two biplanar and one monoplanar reconstruction techniques of the acromioclavicular joint.

Leitung und Betreuung: Professor Dr. Zumstein und Dr. Schär, Michael, 2019

Kellner Christoph

First Clinical Experience with a Carbon Fibre Reinforced PEEK Composite Plating System for Anterior Cervical Discectomy and Fusion.

Hauptdissertations-Leiterin: Dr. med. Helena Milavec, Betreuung: Prof. Lorin M. Benneker, Departement of Orthopaedic Surgery and Traumatology, Inselspital, University of Bern, 2019

May Rahel, Graduate School for Cellular and Biomedical Sciences of the University of Bern

Leitung: Prof. Dr. Benjamin Gantenbein, Departement of Orthopaedic Surgery and Traumatology, Inselspital, University of Bern, 2019. Co-Advisor: PD Dr. Sibylle Grad, Mentor: Prof. Dr. Willy Hofstetter

Titel: At the Interphase of Bone, Cartilage and the Intervertebral Disc: BMPs and BMP Antagonists and their Relevance for Improved Spinal Fusion

Orlik Lea

Obesity and smoking predict the results of two-stage exchange in septic revision hip arthroplasty: A cohort study.

Leitung: PD Dr. med. Frank M. Kenke, Department of Orthopaedic Surgery and Traumatology, Inselspital, University of Bern, 2019

Schär Andreas

Influence of chronic, structural changes of the muscle-tendon unit on the indication and technique of rotator cuff reconstruction

Leitung und Betreuung: Professor Dr. Zumstein und Dr. Schär, Michael, 2019

Vuilleumier Sebastian

Patients with severe slipped capital femoral epiphysis treated by the modified Dunn procedure have low rates of avascular necrosis, good outcomes, and little osteoarthritis at long-term follow-up

Leitung: Prof. Dr. med. Klaus Siebenrock

Betreuung: Dr. med. Till Lerch, Departement of Orthopaedic Surgery and Traumatology, Inselspital, University of Bern, 2019

Fortlaufende Liste der Ernennungen ab 2005

Professuren

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
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Habilitationen

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