

Universitätsklinik für Orthopädische Chirurgie und Traumatologie

Jahresbericht 2018

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Personelles

Klinikdirektor und Chefarzt

Prof. Dr. K.-A. Siebenrock

Teamleiter/Teamleiter-Stv.

<i>Prof. Dr. K.-A. Siebenrock</i>	Hüfte, Becken, Tumorchirurgie
<i>Prof. Dr. M. Tannast, Teamleiter-Stv.</i>	Hüfte, Becken, Tumorchirurgie
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<i>PD Dr. F. Klenke</i>	Knie und Sportverletzungen, Tumorchirurgie
<i>Prof. Dr. M. Zumstein</i>	Obere Extremitäten und Sport
<i>PD Dr. F. Krause</i>	Sprunggelenk und Fuss

Oberärzte

<i>Dr. C. Albers</i>	<i>PD Dr. S. Hoppe</i>	<i>Dr. U. Seidel</i>
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Assistenzärzte

<i>Dr. S. Ahmad</i>	<i>Dr. J. Gieger</i>	<i>Dr. T. Rüeger</i>
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<i>Dr. D. Behrends</i>	<i>Dr. F. Inglin</i>	<i>Dr. A. Seidel</i>
<i>Dr. S. Bigdon</i>	<i>Dr. C. Kehl</i>	<i>Dr. M. Spasojevic</i>
<i>Dr. M. Christen</i>	<i>R. Kohlprath, dipl. Arzt</i>	<i>R. Strasser, dipl. Arzt</i>
<i>V. Despotidis, dipl. Arzt</i>	<i>Dr. A. Krismer</i>	<i>Dr. D. Suter</i>
<i>V. Ekengele, dipl. Arzt</i>	<i>Dr. M. Küenzler</i>	<i>I. Tinikashvili, dipl. Arzt</i>
<i>Dr. P. Fairhurst</i>	<i>Dr. H. Milavec</i>	<i>Dr. C. Tinner</i>
<i>A. Fösel, dipl. Arzt</i>	<i>C. Rothenbühler, dipl. Arzt</i>	<i>D. Tsinas, dipl. Arzt</i>
		<i>B. Zickmantel, dipl. Arzt</i>

Wissenschaftliche Assistenzärzte und Mitarbeiter

<i>Dr. L. Dommer</i>	Wissenschaftlicher Assistenzarzt Schulter
<i>C. Leibold, dipl. Ärztin</i>	Wissenschaftliche Assistenzärztin Hüfte
<i>Dr. T. Lerch</i>	Wissenschaftlicher Assistenzarzt Hüfte
<i>M. Maniglio, dipl. Arzt</i>	Wissenschaftlicher Assistenzarzt Schulter
<i>K. Schürholz, dipl. Ärztin</i>	Wissenschaftliche Assistenzärztin Knie
<i>Dr. F. Schmaranzer</i>	Wissenschaftlicher Assistenzarzt Hüfte
<i>A. Schwinghammer, dipl. Arzt</i>	Wissenschaftlicher Mitarbeiter Fuss
<i>A. Steigerwald</i>	Wissenschaftlicher Mitarbeiterin
<i>PD Dr. D. Nesic</i>	Teamleiterin Knochenbiologie & Orthopädische Forschung
<i>Prof. Dr. E.-B. Hunziker</i>	Teamleiter Zentrum für Regenerative Medizin der Skelettalen Gewebe
<i>L. Bolliger</i>	Wissenschaftliche Sachbearbeiterin
<i>A. Hayoz</i>	Wissenschaftliche Sachbearbeiterin

Forschung und Lehre

Preise/Ehrungen

Jon Karlsson Award for outstanding clinical research 2018
ESSKA Congress 2018 Glasgow Scotland May 2018
Ahmad Sufian S.

CTU Grant
Secretion of BMP Antagonists by Intervertebral Disc Cells and their Relevance for Successful Spinal Fusion
Albers CE
CHF 80'000
2019-2021

Posterpreis 2018
Jahreskongress der Schweizerischen Gesellschaft für Orthopädie und Traumatologie (SGOT), Montreux, Juni 06-08, 2018.
Anwander H, Müller U, Beck M
Validation of the Swiss Orthopaedic Minimal Dataset (SO MD).

CTU Grant InselSpital Bern
Non-invasive 3D MRI-based Surgical Planning to improve outcome of hip preserving surgery for young Patients with Hip Dysplasia and Femoroacetabular Impingement
Lerch Till
Betrag: CHF 50'000.-
Dauer: 2018-2019

Mount Sinai Hospital
Promising Young Investigator Travel Award
USD 500
Podium Presentation ORS Annual Meeting 2018 New Orleans
Moser Helen L, Anton Ph Doe, Kristen M Sochol
Genetic Lineage tracing of tendon stem cells during regenerative and non-regenerative tendon healing

Drittmittel

Benneker L.
Industriesponsoring
Fa. Johnson & Johnson DePuy-Synthes – ISG-Symposium, InselSpital
CHF 500
29.11.2018

Benneker L.
Industriesponsoring
Fa. Stöckli Medical – ISG-Symposium
CHF 500
29.11.2018

Forterre, F; Gantenbein B;

Mäxi Foundation, Center for Applied Biotechnology and Molecular Medicine (CABMM),
University of Zürich

The Role of Fibronectin Fragments in Immune Modulation and Inflammaging during Canine
Disc Disease

CHF 20,000.-

2018-2019

Klenke FM

Medacta International SA

Assessment of reperfusion injury in primary total knee arthroplasty. A prospective randomized
controlled double blind trial.

CHF 180'000

2018-2021

Krause F.

Schweizerische Gesellschaft für Chirurgie und Medizin des Fusses SFAS

Botox for plantar fasciitis, a randomized controlled trial.

CHF10'000

2016-2020

Krause F; Hayoz A.

Hans Neuenschwander-Stiftung, Bern, CH

Ermittlung von potentiell prädiktiven Faktoren für die Entstehung von Knocheninfektionen
(Osteitis) bzw. Knochenmarkinfektionen (Osteomyelitis)

CHF 68'744

2018-2019

Maniglio M

Hans Neuenschwander Stiftung, Bern, CH

The effects of the ulnar styloid fractures site on the ap-translation of the distal radio ulnar joint
and comparison of different fixation techniques in a biomechanical model

CHF 69'000

2018

Siebenrock KA, Reichenbach S, Werlen S

SNF grant 32003B_153469

Do high-impact sports in children promote abnormal physeal growth and cam-type deformity
of the femoral head during the adolescent growth spurt? - A longitudinal study

CHF 304'195

2014- 2018

Zumstein MA

Deutsche Arthrosehilfe

3D Schultermorphologie bei Patienten mit glenohumeraler Arthrose

The effects of the ulnar styloid fractures site on the ap-translation of the distal radio ulnar joint
and comparison of different fixation techniques in a biomechanical model

Euro 10'000

2017-2018

Originalarbeiten

Abel J, Zumstein MA, Bolliger L, Schaer MO: Current aspect and new techniques in dislocation of the shoulder joint. *Orthopaede*. 2018 Feb;47(2):158-167.

Ahmad SS, Hirschmann MT, Becker R, Shaker A, Ateschrang A, Keel MJB, Albers CE, Buetikofer L, Maqungo S, Stöckle U, Kohl S: A meta-analysis of synovial biomarkers in periprosthetic joint infection: Synovasure™ is less effective than the ELISA-based alpha-defensin test. *Knee Surg Sports Traumatol Arthrosc*. 2018 Oct;26(10):3039-3047. *Int J Mol Sci*. 2018 Apr 13;19(4).

Ahmad SS, Hirschmann MT, Voumard B, Kohl S, Zysset P, Mukabeta T, Evangelopoulos DS, Ateschrang A: Adjustable loop ACL suspension devices demonstrate less reliability in terms of reproducibility and irreversible displacement. *Knee Surg Sports Traumatol Arthrosc*. 2018 May;26(5):1392-1398. doi: 10.1007/s00167-017-4769-2. Epub 2017 Nov 9.

Albers CE, Schott PM, Sufian A, Benneker LM, Nieuwkamp N, Hoppe S: Vertebral Body Lavage Reduces Hemodynamic Response to Vertebral Body Augmentation With PMMA. *Global Spine Journal* Sept. 2018

Anwander H, Beck M, Büchler L: Influence of Evolution on Cam Deformity and Its Impact on Biomechanics of the Human Hip Joint. *Journal of Orthopaedic Research* (2018) August: 2071-2075

Deml MC, Goost H, Schyma C, Kabir K, Hoppe S, Deborre C: Thermic effect on metal body piercing by electrosurgery: An ex vivo study on pig skin and bovine liver. *Technol Health Care*. 2018;26(2):239-247. doi: 10.3233/THC-160706.

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*. 2018 Oct 18. doi: 10.1055/s-0038-1672203. PMID: 30336501

Frauchiger DA, Chan SCW, Benneker LM, Gantenbein B: Intervertebral disc damagemodels in organ culture: a comparison of annulus fibrosus cross-incision versus punch model under complex loading. *Eur Spine J*. 2018 Aug;27(8):1785-1797. doi: 10.1007/s00586-018-5638-5. Epub 2018 May 22. PubMed PMID: 29789921.

Frauchiger DA, Heeb SR, May RD, Wöltje M, Benneker LM, Gantenbein B: Differentiation of MSC and annulus fibrosus cells on genetically engineered silk fleece-membrane-composites enriched for GDF-6 or TGF-β3. *J Orthop Res* 2018 36:1324-1333 [PMID 29058815 DOI: 10.1002/jor.23778]

Frauchiger DA, May RD, Bakirci E, Tekari A, Chan SCW, Wöltje M, Benneker LM, Gantenbein B: Genipin-Enhanced Fibrin Hydrogel and Novel Silk for Intervertebral Disc Repair in a Loaded Bovine Organ Culture Model. *J Funct Biomater* 2018 9: [PMID 29937524 DOI: 10.3390/jfb9030040]

Held M, Castelein S, Bruins MF, Laubscher M, Dunn R, Keel M, Ahmad S, Hoppe S: Most Influential Literature in Spinal Tuberculosis: A Global Disease Without Global Evidence. *Global Spine J*. 2018 Feb;8(1):84-94. doi: 10.1177/2192568217707182. Epub 2017 Jun 2.

Hoppe S, Albers CE, Elfiky T, Deml MC, Milavec H, Bigdon SF, Benneker LM: First Results of a New Vacuum Plasma Sprayed (VPS) Titanium-Coated Carbon/PEEK Composite Cage for Lumbar Interbody Fusion.

J Funct Biomater. 2018 Mar 14;9(1). pii: E23. doi: 10.3390/jfb9010023.

Hoppe S, Albers CE, Elfiky T, Deml MC, Milavec H, Bigdon SF, Benneker LM: First Results of a New Vacuum Plasma Sprayed (VPS) Titanium-Coated Carbon/PEEK Composite Cage for Lumbar Interbody Fusion. J Funct Biomater. 2018 Mar 14;9(1). pii: E23. doi:

10.3390/jfb9010023. PMID: 29538285; PubMed Central PMCID:

PMC5872109.

Keel MJB, Siebenrock KA, Tannast M, Bastian JD: The Pararectus Approach: A New Concept. JBJS Essent Surg Tech. 2018 Jul 25;8(3):e21. doi: 10.2106/JBJS.ST.17.00060.

eCollection 2018 Sep 28. PMID: 30588366

Krause F, Anwander H: Korrektur des neurogenen Pes cavovarus. Fuss und Sprunggelenk. Steinkopff-Verlag, 16(1), 48-55, 2018

Krause F, Seidel A: Malalignment and Lateral Ankle Instability: Causes of Failure from the Varus Tibia to the Cavovarus Foot. Foot Ankle Clin. 2018 Dec;23(4):593-603. doi:

10.1016/j.fcl.2018.07.005. Epub 2018 Sep 22. Review. PMID:30414655

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. 2018 Dec 13. doi:.

10.1097/CORR.0000000000000592. PMID: 30550402

Lerch TD, Todorski IAS, Steppacher SD, Schmaranzer F, Werlen SF, Siebenrock KA, Tannast M: Prevalence of Femoral and Acetabular Version Abnormalities in Patients With Symptomatic Hip Disease: A Controlled Study of 538 Hips. Am J Sports Med. 2018 Jan;46(1):122-134. doi:

10.1177/0363546517726983. Epub 2017 Sep 22. PMID: 28937786

May C, Egloff M, Butscher A, Keel MJB, Aebi T, Siebenrock KA, Bastian JD: Comparison of Fixation Techniques for Acetabular Fractures Involving the Anterior Column with Disruption of the Quadrilateral Plate: A Biomechanical Study.

J Bone Joint Surg Am. 2018 Jun 20;100(12):1047-1054. doi: 10.2106/JBJS.17.00295.

PMID: 29916932

May RD, Frauchiger DA, Albers CE, Benneker LM, Kohl S, Gantenbein B: Inhibitory Effects of Human Primary Intervertebral Disc Cells on Human Primary Osteoblasts in a Co-Culture System. Int J Mol Sci. 2018 Apr 13;19(4). pii: E1195. doi: 10.3390/ijms19041195. PubMed

PMID: 29652862; PubMed Central PMCID: PMC5979604.

Moser HL, Doe AP, Meier K, Garnier S, Laudier D, Akiyama H, Zumstein MA, Galatz LM, Huang AH : Genetic Lineage Tracing of Targeted Cell Populations During Enthesis Healing.

J. Orthop Res. 2018 Dec;(12);3275-3284.

Rufer B, Keel MJB, Schnüriger B, Deml MC: Bilateral Hip Dislocation: An Indicator for Emergent Full-Body Computed Tomography Scan in Polytraumatized Patients? A Case Report and Review of the Literature. J Emerg Trauma Shock. 2018 Jan-

Mar;11(1):53-56. doi: 10.4103/JETS.JETS_12_17.

Schär MO, Dellenbach S, Pfirrmann CW, Raniga S, Jost B, Zumstein MA: Many Shoulder MRI Findings in Elite Professional Throwing, Athletes Resolve After Retirement: A Clinical and Radiographic Study. Clin Orthop Relat Res. 2018 Mar; 476(3):620-631.

Schmaranzer F, Lerch TD, Strasser U, Vavron P, Schmaranzer E, Tannast M: Usefulness of MR Arthrography of the Hip with and without leg Traction in Detection of Intra-articular Bodies. Acad Radiol. 2018 Nov 19. pii: S1076-6332(18)30472-0. doi: 10.1016/j.acra.2018.10.008

Schmaranzer F, Arendt L, Lerch TD, Steppacher SD, Nuss K, Wolfer N, Dawson HE, von Rechenberg B, Kircher PR, Tannast M: Femoral osteochondroplasty can be performed effectively without the risk of avascular necrosis or femoral neck fractures in an experimental ovine FAI model. Osteoarthritis Cartilage. 2018 Jan;26(1):128-137. doi: 10.1016/j.joca.2017.10.009. Epub 2017 Oct 20

Schmaranzer F, Arendt L, Liechti EF, Nuss K, von Rechenberg B, Kircher PR, Tannast M: Do dGEMRIC and T2 Imaging Correlate With Histologic Cartilage Degeneration in an Experimental Ovine FAI Model? Clin Orthop Relat Res. 2018 Nov 29. [Epub ahead of print]

Seidel A, Krause F: Stabilität der lateralen Malleolarfrakturen Typ Supination-Außenrotation (SER) – Grenzen der konservativen Behandlung. Sports Orthopaedics and Traumatology 34 (3), 295-301, 2018

Zickmantel B Jr, Krause F, Frauchiger L: Isolated Rupture of the Distal Plantaris Muscle. J Foot Ankle Surg. 2018 Sep - Oct;57(5):995-996. doi: 10.1053/j.jfas.2017.11.027. Epub 2018 Apr 2. PMID:29622499

Zumstein MA, Schiessl P, Ambuehl B, Bolliger L, Weihs J, Maurer MH, Moor BK, Schaer M, Raniga S: New quantitative radiographic parameters for vertical and horizontal instability in acromioclavicular joint dislocations. Knee Surg Sports Traumatol Arthrosc. 2018 Jan; 26(1):125-135.

Zumstein MA, Jost B: Irreparable posterosuperiore Massenrupturen der Rotatorenmannschette. Editorial. Obere Extremität. 2018 13(4):235-36

Weihs J, Bolliger L, Zumstein MA: Offener Latissimus-dorsi-Transfer – Indikation und Technik. Obere Extremität. 2018 13(4): 255-260

Originalarbeiten Kollaborationen

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. 2018 Jun 5. [Epub ahead of print]

Ahmad SS, Hirschmann MT, Voumard B, Kohl S, Zysset P, Mukabeta T, Evangelopoulos DS, Ateschrang A: Adjustable loop ACL suspension devices demonstrate less reliability in terms of reproducibility and irreversible displacement. Knee Surg Sports Traumatol Arthrosc. 2018 May;26(5):1392-1398. doi: 10.1007/s00167-017-4769-2. Epub 2017 Nov 9.

Ateschrang A, Schreiner AJ, Ahmad SS, Schröter S, Hirschmann MT, Körner D, Kohl S, Stöckle U, Ahrend MD: Improved results of ACL primary repair in one-part tears with intact synovial coverage. Knee Surg Sports Traumatol Arthrosc. 2018 Oct 8. doi: 10.1007/s00167-018-5199-5. [Epub ahead of print]

Bäcker HC, Galle SE, Maniglio M, Rosenwasser MP: Biomechanics of posterior shoulder instability - current knowledge and literature review. World J Orthop. 2018 Nov 18;9(11):245-254.

Eichelberger P, Blasimann A, Lutz N, Krause F, Baur H: A minimal markerset for three-dimensional foot function assessment: measuring navicular drop and drift under dynamic conditions. *J Foot Ankle Res.* 2018 Apr 18;11:15. doi: 10.1186/s13047-018-0257-2. eCollection 2018. PMID: 29713385

Eichelberger P, Pohl J, Jaspers T, Ferraro M, Krause F, Baur H: Cranio-caudal and medio-lateral navicular translation are representative surrogate measures of foot function in asymptomatic adults during walking. *PLoS One.* 2018 Dec 5;13(12):e02018175. doi: 10.1371/journal.pone.02018175. eCollection 2018. PMID: 30517158

Haefeli PC, Schmaranzer F, Steppacher SD, Cullmann-Bastian J, Tannast M, Buechler L: Imaging Appearance and Distribution of Intra-articular Adhesions Following Open FAI Surgery. *European Journal of Radiology* 2018 Jul;104:71-78

Haefeli PC, Tannast M, Beck M, Siebenrock KA, Buechler L: Subchondral drilling for chondral flaps reduces the risk of total hip arthroplasty in femoroacetabular impingement surgery at minimum five years follow-up. *Hip Int.* 2018 Jun. PMID: 2997476

Koh IJ, Park IJ, Lin CC, Patel NA, Chalmers CE, Maniglio M, mcgarry MH, Lee TQ: Kinetically aligned total knee arthroplasty reproduces native patellofemoral biomechanics during deep knee flexion. *Knee Surg Sports Traumatol Arthrosc.* 2018 Oct 28.

Lädermann A, Collin P, Athwal GS, Scheibel M, Zumstein MA, Nourissat G: Current concepts in the primary management of irreparable posterosuperior rotator cuff tears without arthritis. *EFFORT Open Rev.* 2018 May 21;3(5):200-209.

Liu L, Siebenrock KA, Nolte LP, Zheng G: Biomechanical Optimization-Based Planning of Periacetabular Osteotomy. *Adv Exp Med Biol.* 2018;1093:157-168. doi: 10.1007/978-981-13-1396-7_13. PMID: 30306480

Liu L, Siebenrock KA, Nolte LP, Zheng G: Computer-Assisted Planning, Simulation, and Navigation System for Periacetabular Osteotomy. *Adv Exp Med Biol.* 2018;1093:143-155. doi: 10.1007/978-981-13-1396-7_12. PMID: 30306479

Ma R, Schär M, Chen T, Sisto M, Nguyen J, Voigt C, Deng XH, Rodeo SA: Effect of Dynamic Changes in Anterior Cruciate Ligament In Situ Graft Force on the Biological Healing Response of the Graft-Tunnel Interface. *Am J Sports Med.* 2018 Mar;46(4):915-923.

Maniglio M, Fornaciari P, Bäcker H, Gautier E, Lottenbach M: Surgical Treatment of Mild to Severe Hallux Valgus Deformities With a Percutaneous Subcapital Osteotomy Combined With a Lateral Soft Tissue Procedure. *Foot Ankle Spec.* 2018 Apr 1:1938640018770582.

Moser HL, Doe AP, Sochol KM, Garnier S, Akiyama H, Zumstein MA, Galatz LM, Huang AH: "Genetic Lineage Tracing of Targeted Cell Populations during Enthesis healing" *J Orthop Res.* 36(12):3275-3284, 2018

Nyffeler RW, Seidel A, Werlen S, Bergmann M: Radiological and biomechanical assessment of displaced greater tuberosity fractures. *Int Orthop.* 2018 Sep 30. doi: 10.1007/s00264-018-4170

Pflugli S, Vasireddy R, Lerch T, Ecker TM, Tannast M, Boemke N, Siebenrock KA, Zheng G: Augmented marker tracking for peri-acetabular osteotomy surgery. *Int J Comput Assist Radiol Surg.* 2018 Feb;13(2):291-304. doi: 10.1007/s11548-017-1690-6. Epub 2017 Nov 29. PMID: 29188423

Pohl J, Jaspers T, Ferraro M, Krause F, Baur H, Eichelberger P: The influence of gait and speed on the dynamic navicular drop - A cross sectional study on healthy subjects. *Foot (Edinb)*. 2018 Sep;36:67-73. doi: 10.1016/j.foot.2018.04.001. Epub 2018 May 25. PMID: 30368194

Rushton A, Staal JB, Verra M, Emms A, Reddington M, Soundy A, Cole A, Willems P, Benneker LM, Masson A, Heneghan NR: Patient journey following lumbar spinal fusion surgery (LSFS): protocol for a multicentre qualitative analysis of the patient rehabilitation experience (FuJourn). *BMJ Open*. 2018 Jan 3;8(1):e020710. doi: 10.1136/bmjopen-2017-020710. PubMed PMID: 29301765; PubMed Central PMCID: PMC5988069

Rushton AB, Verra ML, Emms A, Heneghan NR, Falla D, Reddington M, Cole AA, Willems P, Benneker L, Selvey D, Hutton M, Heymans MW, Staal JB: Development and validation of two clinical prediction models to inform clinical decision-making for lumbar spinal fusion surgery for degenerative disorders and rehabilitation following surgery: protocol for a prospective observational study. *BMJ Open*. 2018 May 22;8(5):e021078. doi: 10.1136/bmjopen-2017-021078. PubMed PMID: 29789351; PubMed Central PMCID: PMC5988074.

Triana M, Gueorguiev B, Sommer C, Stoffel K, Agarwal Y, Zderic I, Helfen T, Krieg JC, Krause F, Knoke M, Richards RG, Lenz M: LagLoc-a new surgical technique for locking plate systems. *J Orthop Res*. 2018 Nov;36(11):2886-2891. doi: 10.1002/jor.24069. Epub 2018 Jul 13. PMID: 29917270

Wuest SL, Calì M, Wernas T, Tanner S, Giger-Lange C, Wyss F, Ille F, Gantenbein B, Egli M: Influence of Mechanical Unloading on Articular Chondrocyte Dedifferentiation. *Int J Mol Sci* 2018 19: [PMID 29693628 DOI: 10.3390/ijms19051289

Wuest SL, Gantenbein B, Ille F, Egli M: Electrophysiological experiments in microgravity: lessons learned and future challenges. *NPJ Microgravity* 2018 4:7 [PMID 29619409 DOI: 10.1038/s41526-018-0042-3

Übrige Publikationen

Bastian JD, Keel MJ: Section 4: Treatment of Fragility Fractures of the Pelvis Chapter 4.2: Sacroplasty. In *Fragility Fractures of the Pelvis*, Herausgeber: Rommens, Pol Maria, Hofmann, Alexander (Eds.); Springer Verlag

Büchler L, Tannast M, Siebenrock KA, Schwab JM: Biomechanics of the hip. K.A. Egol/ P. Leucht (editors): *Proximal Femur Fractures: An Evidence-Based Approach to Evaluation and Management*, Springer 2018

Fet V, Kovařík F, Gantenbein B, Kaiser RC, Stewart AK, Graham MR: Revision of the *Mesobuthus caucasicus* complex from Central Asia, with descriptions of six new species (Scorpiones: Buthidae) *Euscorpius* 2018, 2018:1-77

Kurze C, Kollar A, Klenke FM: Der Stellenwert 3D-gedruckter Individualimplantate in der modernen Tumorchirurgie des Beckens. *Leading Opinions Orthopädie & Rheumatologie*. 2018; 4: 29-32.

Kuenzler M, Schaer MO, Zumstein MA: The Biology of Rotator Cuff Healing. In: Boileau P, ed. *Shoulder Concepts, Arthroscopy & Arthroplasty & Fractures*. Sauramps Médical, Montpellier, France, 2018.

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Laver L, Lubiowski P, Zumstein MA, Landreau P: Shoulder Instability in Handball Players. Basic Science, Injury Management and Return to Sport. In: Laver L, Landreau P, Seil R, Popovic N, ed. Handball Sports Medicine: Basic Science, Injury Management and Return to Sport. Springer, Berlin, Germany. 2018

Sakai D, Schol J, Bach FC, Tekari A, Sagawa N, Nakamura Y, Chan SCW, Nakai T, Creemers LB, Frauchiger DA, May RD, Grad S, Tryfonidou MA, Gantenbein B.: Successful fishing for nucleus pulposus progenitor cells of the intervertebral disc across species. JOR Spine 2018 2018e: DOI: 10.1002/jsp2.1018]

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Bigdon SF: Instruktor und Vorträge: Management des Schocks /Verletzungen des Bewegungsapparates. ATLS und ATCN Kurs BG Klinikum Murnau. 3.3.2018

Bigdon SF: SGUM Kurs- Muskuloskeletale Sonographie, Tutor und Vortrag. Inselspital Bern, 05.03.2019

Bigdon SF: Contusio Spinalis und SCIWORA Syndrom. Notfallfortbildung. UNZ Inselspital Bern. 29.01.2018

Bigdon SF: Fallvorstellung und Diskussion DePuy Spine Academy (Zuchwil). 09.4.2018

Bigdon SF: Kurs-Muskuloskeletale Sonographie Tutor und Vortrag. Inselspital Bern SGUM, 14.09.2018

Bigdon SF: Management des Schocks / Verletzungen der Halswirbelsäule. ATLS Kurs (BG Klinikum Ludwigshafen). 20.-22.7.2018

Bigdon SF: Reanimation bei Traumapatienten. Notfallfortbildung. UNZ Inselspital Bern, 9.2.2018

Bigdon SF: Schädel-Hirn Trauma, Thermische Verletzungen. ATLS und ATCN Kurs (Unfallkrankenhaus Berlin) 18.-20.10.2018

Bigdon SF: Vorgehen bei Verletzungen der Halswirbelsäule. Notfallfortbildung. UNZ Inselspital, 30.4.2018

Bremer AK, Kraler L, Frauchiger L, Krause F, Weber M: Limited open reduction and internal fixation of calcaneal fractures: 6 years of experience. Swiss Orthopaedics 78. Jahreskongress, Montreux June 6-7, 2018

Deml MC: Leitvortrag Spondylodiszitis; Fortbildungstag Swiss Orthopaedics (SGOT), Inselspital Bern, 20.01.2018

Deml MC: Medizincontrolling/DRG-Update_1; Fortbildung Orthopädie, Inselspital Bern, 08.02.2018

Deml MC: Medizincontrolling/DRG-Update_2; Fortbildung Orthopädie, Inselspital Bern, 14.06.2018

Deml MC: Operative Behandlungsstrategien am ISG – wann macht das Sinn?; Interdisziplinäres Schmerzsymposium, Inselspital Bern, 29.11.2018

Deml MC: Indikation für interkorporelle Abstützung zur Korrektur der PJK» anlässlich der DWG, Wiesbaden, Deutschland, 7.12.2018.

Kohlprath R, Bigdon SF, Bolliger L, Zumstein MA, Schär MO
 Is Plain X-Ray Enough To Quantify Distance And Direction Of Fractures Of The Greater Tubercle?
 78. Jahrestagung Swiss orthopaedics, Montreux, Schweiz, 6.-8. Juni 2018

Krause F: Sprunggelenksinstabilität: Umstellungsosteotomie am Sprunggelenk. 35. AGA Kongress, Linz, Austria, September 3-5, 2018

Frauchiger DA, May RD, Wöltje M, Benneker LM, Gantenbein B: Genipin-enhanced fibrin hydrogel combined with engineered silk composite for intervertebral disc repair, in eCM Online Periodical, 2018, SSB+RM Conference Abstracts, oral presentation, Fribourg, Switzerland, 2018.

Frauchiger DA, Tekari A, Wöltje M, Benneker LM, Gantenbein B: Mechanical loading of genipin-enhanced fibrin hydrogel combined with engineered silk composite for intervertebral disc repair, in Proceedings of the 8th World Conference of Biomechanics, Dublin, July 8-2, 2018.

Gantenbein B: Invited Keynote: Repair of the Intervertebral Disc using Biomaterials and Progenitor Cells, in Proceedings of Biospine Asia Pacific, Seoul, South Korea, April 26-28, 2018.

Gantenbein B: Mechanical loading under compression and torsion of bovine coccygeal intervertebral discs, in Proceedings of the 8th World Conference of Biomechanics, Dublin, July 8-2, 2018.

Gieger J, Anwander H, Iselin L: Reduction accuracy and rate of reoperation after distal tibial fracture using four different treatment methods. Jahreskongress der swiss orthopaedics, Montreux, Juni 06-08, 2018

Hanke MS, Schmaranzer F, Steppacher SD, Werlen S, Siebenrock KA, Tannast M: Do high impact sports promote proximal femoral pathomorphology before the growth spurt - preliminary results of a longitudinal, prospective, controlled study. DKOU - Deutscher Kongress für Orthopädie und Unfallchirurgie, Berlin, Germany, October 23-26, 2018.

Hanke MS: 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, 20-22.9.2018

Hoppe S New developments in skeletal trauma care: Cement augmentation for implants. ECTES 2018, Valencia Spain, Tuesday, May 8, 2018

Hoppe S: Debate in spinal injuries: Cervical spine: anterior or posterior fixation? ECTES 2018, Valencia Spain, Tuesday, May 8, 2018

Klenke FM: 3D Druck: Individuelle Implantate in der Orthopädie. 5. Medizintechnik-Tagung, Inselspital, Bern, Schweiz, 4. Juni, 2018

Klenke FM: Die hintere Kreuzbandruptur. Orthoteam Bern, Schweiz, 3.04.2018

Klenke FM: Distal femoral fractures – nail or plate? In: Fractures around the knee. 78th Annual congress Swiss Orthopaedics, Montreux, Switzerland, June 8th, 2018

Klenke FM: Grundlagen der Sarkomchirurgie. Symposium Weichgewebesarkome, Universitätsklinik für Medizinische Onkologie Inselspital, Bern, Schweiz, 26. April, 2018

Klenke FM: Obesity does not influence eradication rates but predicts functional failure after two-stage septic prosthetic hip revision. EFORT, Barcelona, Spain, May, 30 – Juni, , 2018

Klenke Frank: Knochenersatz – Allograft und Kalziumphosphate, Hôpital de Martigny, Avenue de la Fusion 27, Martigny, Switzerland, October, 29, 2018

Körner C, Noser L, Kurze C, Krause F, Weber M: Insertional Achilles tendinosis-results of surgical treatment in 5 patients. Swiss Orthopaedics 78. Jahreskongress, Montreux June 6-7, 2018

Krause F: Lower leg deformity correction. AOFAS Specialty Day @AAOS, New Orleans, USA, March 7-0, 2018.

Krause F: OSG Arthroskopie: Lagerung und Instrument. Bern August 24, 2018.

Krause F: The effect of subtalar motion and shape on calcaneal osteotomies. 2th International Meeting of the Austrian Foot Society. Going, Austria, March 22-24, 2018

Krause F: The Zimmer Total Ankle Replacement. Foot & Ankle Symposium. Zürich, May 24-25, 2018.

Krause F: Therapie der lateralen Malleolarfrakturen. SUVA Fortbildungstag. Luzern. November 29, 2018.

Krause F: TM Zimmer Total Ankle Arthroplasty. Meet the expert. New techniques and technologies in ankle surgery. Wemmel, Belgium, March 27, 2018.

Krause F: What is the role of calcaneal osteotomy in the treatment of ankle or subtalar arthritis. Foot & Ankle Symposium. Zürich, May 24-25, 2018.

Krause F: AMIC am Talus. Wolhusen 360 Grad (CH). April 27, 2018

Krause F: Arthritis great toe. I shorten and plantarize the st metatarsal. 2th EFAS International Congress. Geneva, October 4-6, 2018

Krause F: Calcaneal fractures-predicting and avoiding problems. AOTrauma Course. Davos, December 2-7, 2018

Krause F: Hindfoot osteotomy: supramalleolar, calcaneal or both. 2th EFAS International Congress. Geneva, October 4-6, 2018

Krause F: Lisfranc injuries of the midfoot. Swiss Orthopaedics 78. Jahreskongress, Montreux June 6-7, 2018

Krause F: Management of common sports-related injuries about the foot and ankle based on Schwingerkönig Matthias Glarner. Swiss Orthopaedics 78. Jahreskongress, Montreux June 6-7, 2018

Krause F: Talar neck fractures and complications. AOTrauma Course. Davos, December 2-7, 2018

Krause F: The cavus foot: Cavovarus/Cavovalgus/subtle cavus foot: different enteties of cavus. 2th EFAS International Congress. Geneva, October 4-6, 2018

Krismer A, Piscaer T, van Meer B: Regeneration of the anterior cruciate ligament: dynamic intraligamentary stabilization compared to regeneration in the natural course (DKOU 2018). Berlin, 23.-26.10.2018. Düsseldorf: German Medical Science GMS Publishing House; 2018. DocST37-575

Kurze C, Körner C, Weber M. Krause F: Pedobarographic and functional results after FHL tendon transfer for the treatment of chronic Achilles tendinopathy. Swiss Orthopaedics 78. Jahreskongress, Montreux June 6-7, 2018

Lerch TD, Degonda C, Schmaranzer F, Todorski I, Steppacher SD, Siebenrock KA, Tannast M, Zheng G: MRI-Based 3D Models Of The Hip Can Replace CT-Based 3D Models for Patients with Femoroacetabular Impingement. EFORT 2018 (European Federation of National Associations of Orthopaedics and Traumatology), Barcelona, Spain, 30. May- . June 2018,

Leibold, Christiane: LCPD can lead to acetabular retroversion, SGOT, Montreux, CH, Juni 08, 2018

Leibold, Christiane: Bone wax can lead to foreign body granuloma and focal osteolysis, EHSC, Den Haag, September 20, 2018

Lerch TD, Eduardo N Novais, Ziebarth K, Tannast M, Steppacher SD, Siebenrock K: Ten-year Followup After Prophylactic Pinning of the Contralateral Radiographically Normal and Asymptomatic Hip in Unilateral Slipped Capital Femoral Epiphysis. AAOS 2018 (American Academy of Orthopedic Surgeons), New Orleans, USA, 6.-0. March 2018

Lerch TD, Novais E, Steppacher SD, Schmaranzer F, Tannast M, Siebenrock KA, Ziebarth, K: 10-years Follow-Up after Prophylactic Pinning of the Contralateral Radiographically Normal and Asymptomatic Hip in Unilateral Slipped Capital Femoral Epiphysis. EFORT 2018 (European Federation of National Associations of Orthopaedics and Traumatology), Barcelona, Spain, 30. May- . June 2018,

Lerch TD, Steppacher SD, Schmaranzer F, Ziebarth K, Tannast M, Siebenrock K: High Survivorship and Little Osteoarthritis at Longterm Followup in Severe SCFE Patients Treated with a Modified Dunn Procedure. EFORT 2018 (European Federation of National Associations of Orthopaedics and Traumatology), Barcelona, Spain, 30. May- . June 2018,

Lerch TD, Degonda C, Schmaranzer F, Todorski I, Steppacher S, Siebenrock KA, / Tannast M, Zheng G: MRI-Based 3D Models Of The Hip Can Replace CT-Based 3D Models For Patients With Femoroacetabular Impingement. EFORT 2018 (European Federation of National Associations of Orthopaedics and Traumatology), Barcelona, Spain, 30. May- 1. June 2018,

May RD, Frauchiger DA, Albers CE, Benneker LM, Gantenbein B: The influence of primary human intervertebral disc cells on primary human osteoblasts, in eCM Online Periodical, 2018, SSB+RM Conference Abstracts, oral presentation 2018, Fribourg, Switzerland

May RD, Frauchiger DA, Benneker LM, Gantenbein B: Osteoinductive Stimulation of Intervertebral Disc Cells with Bone Morphogenetic Protein 2 or Osteogenic Medium, in Proceedings of Biospine. Asia Pacific, 26-28 April, oral Presentation 2018, Seoul, South Korea

Schär M: AC-Joint Dislocations. 2nd congress of orthopedic and traumatologic surgeons of Bosnia and Herzegovina, Mostar, Bosnien Herzegovina, 27-29. September 2018

Schär M: Is there still a place for Bankart repair in recurrent anteroinferior shoulder instability? 2nd congress of orthopedic and traumatologic surgeons of Bosnia and Herzegovina, Mostar, Bosnien Herzegovina, 27-29. September 2018

Schmaranzer F, Degonda C, Lerch T, Todorski I, Siebenrock KA, Cullmann J.L, Tannast M, Zheng G: 3D MR-based simulation of hip impingement is as accurate as 3D-CT based impingement simulation. ECR 2018 (European Congress of Radiology) Vienna, Austria, 28.2. - 4. March 2018, international congress, oral presentation

Schmaranzer F, Haefeli P, Hanke M, Lerch T, Siebenrock KA, Werlen S, Tannast M, Büchler L: Comparing dGEMRIC and clinical outcome 6 years after FAI surgery with versus without microfracturing: A controlled pilot study. ECR 2018 (European Congress of Radiology) Vienna, Austria, 28.2.-4. March 2018, international congress, oral presentation

Schmaranzer F, Lerch T, Todorski I, Haefeli P, Hanke M, Werlen S, Siebenrock KA, Tannast M: Cartilage Damage Assessed with dGEMRIC Occurs at the Zone of 3D CT-Based Impingement Simulation: A Pilot Study. ECR 2018 (European Congress of Radiology) Vienna, Austria, 28.2. - 4. March 2018, international congress, oral presentation

Seidel A, Tinembart S, Liebs TR, Krause F, Kaiser N, Ziebart K: Health-related quality of life and foot function after clubfeet treatment using Ponseti casting followed by z-lengthening of the Achilles tendon and limited posterior release. Swiss Orthopaedics 78. Jahreskongress, Montreux June 6-7, 2018

Seidel Angela, Bäcker H, Bonel H, Krause Fabian, Attinger Marc; MRI and Radiographic assessment of stability in ankle fractures, EFAS 2018 Genf, Switzerland, 4.-6-10-2018,

Seidel A: MRI and Radiographic assessment of stability in ankle fractures, EFAS 2018 Genf, Switzerland, 4.-6-0-2018

Ulrich M, Koller T, Anwander H, Genuth G, Iselin L: Postoperative casting after Hallux valgus correction with a Reve-L +/- Akin osteotomy: A technical description. Jahreskongress der swiss orthopaedics, Montreux, Juni 06-08, 2018

Zumstein MA: Arthritis after instability with subscapularis disorder. SECEC-ESSSE Congress, Geneva, Switzerland, September, 9-22, 2018.

Zumstein MA: Arthroscopic assisted Bipod reconstruction. International Shoulder Congress Berlin, Germany, April 05_07, 2018.

Zumstein MA: Convertibilit/Revisability. M.O.R.E. Medacta, Geneva, Switzerland, December 0-, 2018.

Zumstein MA: How to avoid tissue failure in anatomic TSA? SESA Biennale Congress Shoulder, Elbow Society Meeting, Perth, Australia, October 3-November 04, 2018

Zumstein MA: ICL: Current knowledge in clinical examination and radiographic assessment of glenohumeral instability. SECEC-ESSSE Congress, Geneva, Switzerland, September, 9-22, 2018.

Zumstein MA: Irreparable Rotatorenmanschettenrupturen / Inverse Endoprothetik. 25. Jahreskongress, DVSE, Regensburg, Deutschland, June 4-6, 2018.

Zumstein MA: Massive Repairable Rotator Cuff Tear: Biomechanics and Biologics from Bench to Bed. SESA Biennale Congress Shoulder, Elbow Society Meeting, Perth, Australia, October 3-November 04, 2018.

Zumstein MA: Proximal humerus fractures. OTC Trauma Courses, Thun, Switzerland, September, 0, 2018.

Zumstein MA: Reverse shoulder arthroplasty for failed cuff repairs. International Shoulder Congress Berlin, Germany, April 05-07, 2018.

Zumstein MA: Reverse shoulder replacement demonstration. M.O.R.E. Medacta, Geneva, Switzerland, December 2018.

Zumstein MA: Schulterschmerz bei Schulter-TEP ohne offensichtlichen Fehler (3 Fälle). AFOR Association for Orthopaedics Research, Expertengremium, Pontresina, Switzerland, Feruary 08-0, 2018.

Zumstein MA: Tendon transfers for non-reparable cuff ruptures - whom can be helped? 25. Jahreskongress, DVSE, Regensburg, Deutschland, June 4-6, 2018.

Zumstein MA: The Biology of Rotator Cuff Healing. Nice Shoulder Course, Paris, France, May 30_June 02, 2018.

Zumstein MA: The evolution of arthroscopic AC-Joint reconstruction, International Shoulder Congress Berlin. Germany, April 05-07, 2018.

Zumstein MA: The Evolution of Diagnosis and Treatment of AC-Joint Instabilities: Why I do not use the Rockwood Classification? SESA Biennale Congress Shoulder, Elbow Society Meeting, Perth, Australia, October 3-November 04, 2018

Zumstein MA: Treatment Strategies in irreparable Postero-superior Rotator Cuff Lesions. SESA Biennale Congress Shoulder, Elbow Society Meeting, Perth, Australia, October 3-November 04, 2018.

Zumstein MA: When I go for a reversed prosthesis. 8. Berner Schultertage, Bern, Switzerland, July, 04-07, 2018.

Organisation Kurse/Symposien

Bastian JD: 1st Swiss Orthogeriatrics day, 31.10.2017, Inselspital Bern

Benneker LM, Boos N: Fortbildungstag der SO, Bern, Schweiz, 20. Januar 2018

Benneker LM, Oner C, Schroeder G, Schnake K: AOSpine Knowledge Forum Trauma & Spinal Cord Injury pre-course - State of the Art in Managing Spinal Trauma and Spinal Cord Injury: Controversies and Consensus. Global Spine Congress, Singapur. 2. Mai 2018

Benneker LM, Oner C, Schroeder G, Schnake K: AOSpine Knowledge Forum Trauma Symposium – Upper cervical traumatic injuries classification. Global Spine Congress, Singapur. 4. Mai 2018

Benneker LM, van Solinge G: AOSpine Advanced Course - Spinal Metastasis: Tailored treatment. Utrecht, practical exercises. The Netherlands. 8.-9. November 2018

Benneker LM: AOSpine Principles Level Specimen Course. Bern, Schweiz. 2.-3. Oktober 2018

Benneker LM: Klinische Anwendung – intraoperative digitale Checkliste. Mini-Symposium Digitalisierung und Patientensicherheit. Bern, Schweiz. 20. September 2018

Deml MC, Streitberger K, Wertli M, Benneker LM: Interdisziplinäre Schmerzkonferenz; «Das Ilio-Sakral-Gelenk (ISG) – Ein Mysterium in der Schmerztherapie»; Inselspital Bern, 29.11.2018

Krause F: 2. AMIC Talus Kadaver Kurs, Berne, December 4-5, 2018

Seidel A, Severine T, Liebs T, Krause F, Ziebarth K: Health-related Quality of Life and Foot-function After Treatment of Clubfeet Using a Modification of the Ponseti Method. Swiss Orthopedics, St. Gallen, Switzerland, 2018, 6-8-06.2018

Seidel Angela, Bäcker H, Bonel H, Krause Fabian, Attinger Marc: MRI and Radiographic assessment of stability in ankle fractures, EFAS 2018 Genf, Switzerland, 2018,

Siebenrock KA: Bernese Hip Symposium. Bern, Switzerland, 01.-03.02.2018.

Siebenrock KA, Windhager G: AE Masterkurs Gelenkerhaltende Hüftchirurgie, Bern. Nov. 2018

Siebenrock KA: Reorientation Osteotomies of the Hip. 9th EFORT Congress Barcelona, Spain, 30. 05. – 0. 06. 2018.

Siebenrock KA: Treatment options of the symptomatic adolescent hip. 3th Congress of the European Hip Society. The Hague, Netherlands 20.–22. 09. 2018.

Zumstein MA: 8. Berner Schultertage, Bern Switzerland, July 04-07, 2018.

Fakultät bei Kursen/Symposien

Bastian JD: 1st Swiss Orthogeriatrics Day, Inselspital Bern, 31.10.2018

Bastian JD: 1st Swiss Orthogeriatrics Day, Inselspital Bern, 31.10.2018

Bastian JD: 4. UCH III Acetabulum: Standards und worst case, Acetabulumfrakturen: Von der chirurgischen Hüftluxation zur abgestuften alterstraumatologischen, Osteosynthese – was ist neu? Alterstraumatologie Kongress 2018, Zürich 22.-23.03.2018

Bastian JD: Geriatrische Acetabulumfrakturen – die neuen Herausforderungen. Worst case Fallvorstellungen – Fall Bern. Alterstraumatologie Kongress 2018, Zürich 22.-23.03.2018

Bastian JD: Knochenbrüche im Alter – neue Herausforderungen und Lösungsansätze, Seniorenuniversität Bern, Freitag, , HG Aula, Universität Bern 13.04.2018

Bastian JD: The Spectrum of Sacral Injuries, AO Trauma Webcast, Lucerne, 3.08.2018

Bastian JD: Trends in Geriatric Trauma, Instructional Course Lecture, Developing a geriatric trauma centre, 9th European Congress of Trauma & Emergency Surgery, Valencia, Spain. 06.05.2018

Benneker LM
 AOSpine Seminar, USZ Zürich, Schweiz. 8. März 2018

Benneker LM: Advanced Seminar – Long-term effects of surgical treatment on various spine pathologies. Moskau, Russland. 3. Juni 2018

Benneker LM: AOSpine Advanced Course - Spinal Metastasis: Tailored treatment. Utrecht, The Netherlands. 8.-9. November 2018

Benneker LM: AOSpine Principles Level Specimen Course. Bern, Schweiz. 12.-13. Oktober 2018

Benneker LM: AOSpine Seminar, USZ Zürich, Schweiz. 8. März 2018

Benneker LM: Basiskurs Modul 4 (Frakturen) der DWG. Zürich, Schweiz. 23.-24.8.2018

Bigdon SF: 20.-22.7.2018 ATLS Kurs (BG Klinikum Ludwigshafen)

Bigdon SF: ATLS Kurs, BG Klinikum Ludwigshafen, 20.-22.7.2018

Bigdon SF: ATLS und ATCN Kurs BG Klinikum Murnau, 3.3.2018

Bigdon SF: ATLS und ATCN Kurs BG Klinikum Murnau. 1.-3.3.2018

Bigdon SF: ATLS und ATCN Kurs, Unfallkrankenhaus Berlin, 18.-20.10.2018.

Bigdon SF: SGUM Kurs- Muskuloskeletale Sonographie. Tutor und Vortrag. Inselspital Bern, 15.3.2018

Bigdon SF: SGUM Kurs- Muskuloskeletale Sonographie. Tutor und Vortrag. Inselspital Bern, 14.09.2018

Deml MC, Streitberger K, Wertli M, Benneker LM: Interdisziplinäre Schmerzkonzferenz; «Das Ilio-Sakral-Gelenk (ISG) – Ein Mysterium in der Schmerztherapie»; Inselspital Bern, 29.11.2018

Flückiger R: 8. Berner Schulter-Tagung. Update Shoulder & Elbow: What's new – current trends? Zentrum Paul Klee, Schweiz, Bern, Juli 5./6, 2018

Hoppe S : AOSpine & NeuroSpine JointSession-«Sarcopenia». Mar 2018, Bern, Switzerland

Hoppe S: AO Spine Principles Course, AO Spine, Bern 2/3.0.2018

Hoppe S: AOSpine & NeuroSpine Joint Session - «Sarcopenia». AOSpine Local Seminar - Geriatrische Frakturen der oberen Halswirbelsäule. 8. März 2018 Zürich, Schweiz

Hoppe S: AOSpine Local Seminar - Geriatrische Frakturen der oberen Halswirbelsäule 8. März 2018, Zürich, Schweiz

Klenke F : Symposium Weichgewebesarkome, Universitätsklinik für Medizinische Onkologie Inselspital, Bern, Schweiz, 26. April, 2018

Krause F: 12th EFAS International Congress. Geneva, October 4-6, 2018

Krause F: 2. AMIC Talus Kadaver Kurs, Berne, December 14-15, 2018

Krause F: 2. AMIC Talus Kadaver Kurs, Berne, December 4-5, 2018
 OSG Arthroskopie: Lagerung und Instrument. Bern August 24, 2018

Krause F: 2th EFAS International Congress. Geneva, October 4-6, 2018

Krause F: OSG Arthroskopie: Lagerung und Instrument. Bern August 24, 2018

Schär M

AC-Joint Dislocations

2nd congress of orthopedic and traumatologic surgeons of Bosnia and Herzegovina, Mostar, Bosnien Herzegovina, 27-29. September 2018

Seidel A: Süddeutscher Orthopädenkongress: Sprunggelenksfrakturen im Alter, was macht den Unterschied? Baden-Baden 2018, Deutschland, 26.-28.04.2018

Siebenrock KA: 3th Congress of the European Hip Society. The Hague, Netherlands 20 – 22.09.2018

Siebenrock KA: 8th ESSKA Congress, Glasgow, UK, 09. - 2. 05. 2018

Siebenrock KA: 9th EFORT Congress Barcelona, Spain, 30. 05. – 01. 06. 2018

Siebenrock KA: American Academy of Orthopaedic Surgeons (AAOS). Annual Meeting, New Orleans, LO, USA, 06.03. 2018

Siebenrock KA: Bernese Hip Symposium. Bern, Switzerland, 03.02.2018

Zumstein MA: 25. Jahreskongress, DVSE, Regensburg, Deutschland, June 4-6, 2018

Zumstein MA: 8. Berner Schultertage, Bern, Switzerland, July, 04.-07, 2018

Zumstein MA: AFOR Association for Orthopaedics Research, Expertengremium, Pontresina, Switzerland, February 08-0, 2018

Zumstein MA: International Shoulder Congress Berlin, Germany, April 05-07, 2018

Zumstein MA: M.O.R.E. Medacta, Geneva, Switzerland, December, 0-, 2018

Zumstein MA: OTC Trauma Courses, Thun, Switzerland, September 2018

Zumstein MA: SESA Biennale Congress Shoulder, Elbow Society Meeting, Perth, Australia, October 3-04, 2018

Zumstein MA: VIII. International Innsbruckeranatomy Course on Surgery of the Shoulder. Innsbruck, Austria, February 04-07, 2018

Instruktor bei Kursen/Symposien

Benneker LM: AO Spine Advanced Course - Spinal Metastasis: Tailored treatment. Utrecht, The Netherlands. 8.-9. November 2018

Benneker LM: AO Spine Principles Level Specimen Course. Bern, Schweiz. 12.-13. Oktober 2018

Bigdon SF: ATLS Kurs, BG Klinikum Ludwigshafen, 20.-22.7.2018

Bigdon SF: 14.09.2018 Tutor und Vortrag. Inselspital Bern. SGUM Kurs- Muskuloskeletale Sonographie

Bigdon SF: ATLS und ATCN Kurs, Unfallkrankenhaus Berlin, 18.-20.0.2018

Bigdon SF: ATLS und ATCN Kurs BG Klinikum Murnau, 01-03.03.2018

Bigdon SF: SGUM Kurs- Muskuloskeletale Sonographie. Tutor und Vortrag. Inselspital Bern, 15.3.2018

Flueckiger R: Anatomiekurs Schulter/ Ellbogen, Vorbereitung zur Facharztprüfung. Anatomisches Institut. Schweiz, Bern, August 16 & September 13, 2018

Krause F: 2. AMIC Talus Kadaver Kurs, Berne, December 4-5, 2018

Krause F: AOTrauma Course. Davos, December 2-7, 2018

Krause F: OSG Arthroskopie: Lagerung und Instrument. Bern August 24, 2018.

Kurze C.

Untersuchungskurs für Militärärzte. UK Orthopädie Med OS 20186 , Moudon, Schweiz, 28. Mai 2018.

Kurze C.

Vortragsreihe und Stand GP-Bern. Bern, Schweiz, Mai 2018

Kurze C.

2. AMIC Talus Kadaver Kurs. Bern, Schweiz, 14. – 15. Dezember 2018.

Schär M

Fallbesprechungen

Berner Schulter-Tagung. Zentrum Paul Klee, Bern, Schweiz, 5./6. Juli 2018

Siebenrock KA: Adolescent hip pain: a case-based approach to common causes.“ ICL 484 - American Academy of Orthopaedic Surgeons (AAOS) Annual Meeting, New Orleans, LO, USA, 06. – 0. 03. 2018

Zumstein MA: Anatomic shoulder replacement demonstration M.O.R.E. Medacta, Geneva, Switzerland

Zumstein MA: Educational Series: Tip&Tricks, M.O.R.E. Medacta, Geneva, Switzerland,

Zumstein MA: Medacta Shoulder System design rationale, M.O.R.E. Medacta, Geneva, Switzerland,

Zumstein MA: MyShoulder technology, M.O.R.E. Medacta, Geneva, Switzerland,

Vorsitz/Rundtischdiskussion bei Kursen/Symposien

Benneker LM, Dahele M: AOSpine Advanced Course - Spinal Metastasis: Tailored treatment. Session 2: What the multidisciplinary approach can add to your practice. Utrecht, The Netherlands. 8.-9. November 2018

Benneker LM, Wertli M: Das Ilio-Sakral-Gelenk (ISG) – Ein Mysterium in der Schmerztherapie. Bern, Schweiz. 29. November 2018

Benneker LM: Session Trauma – thoracolumbar. Global Spine Congress, Singapur. 5. Mai 2018

Flueckiger R: Interactive Cases: Elbow – Ligament Instability. 8. Berner Schulter-Tagung. Update Shoulder & Elbow: What's new – current trends? Zentrum Paul Klee, Schweiz, Bern, Juli 6, 2018

Klenke F: Der runde Tisch – Komplexe primäre Hüften: Das Röntgenbild sieht gut aus, ... - Falldiskussionen-. Zurich HB, Switzerland, Au Premier, January 8, 2018

Schär M

AC-Joint Dislocations

2nd congress of orthopedic and traumatologic surgeons of Bosnia and Herzegovina, Mostar, Bosnien Herzegovina, 27-29. September 2018

Schär M

Session: Shoulder Arthroscopy and Reconstruction

2nd congress of orthopedic and traumatologic surgeons of Bosnia and Herzegovina, Mostar, Bosnien Herzegovina, 27-29. September 2018

Siebenrock KA: Case discussion. Bernese Hip Symposium. Bern, Switzerland, 0.02. - 03.02.2018.

Siebenrock KA: Case discussion, 9th EFORT Congress Barcelona, Spain, 30. 05. - 0.06.2018.

Zumstein MA: AC-Joint Dislocation, Nice Shoulder Course, Paris, France, May-June 30-06, 2018

Zumstein MA: Anatomic shoulder replacement demonstration M.O.R.E. Medacta, Geneva, Switzerland, December 0, 2018

Zumstein MA: Anterior superior Cuff Tears (Supra und Subscapularis), Nice Shoulder Course, Paris, France, May-June 30-06, 2018

Zumstein MA: Educational Series: Tip&Tricks, M.O.R.E. Medacta, Geneva, Switzerland, October 8, 2018

Zumstein MA: Hot and Controversial Topics – AC-Joint Instability, International Shoulder Course, Berlin, Germany, April 05-07 2018

Zumstein MA: Medacta Shoulder System – Enhancing Shoulder Care, International Shoulder Course, Berlin, Germany, April 05-07 2018

Zumstein MA: MyShoulder technology, M.O.R.E. Medacta, Geneva, Switzerland, April 2, 2018

Zumstein MA: OTC Trauma Courses, Thun, Switzerland, September 0, 2018

Zumstein MA: Rotator Cuff Re-Tears, Berner Schultertage, Bern, Switzerland, July 04-07, 2018

Zumstein MA: Scientific session, M.O.R.E. Medacta, Geneva, Switzerland

Zumstein MA: Scientific session: Disjonction acromio claviculaire aiguë stade 3 de Rockwood - Pourquoi je l'opère ou pas. SFA Société Francophone d'Arthroscopie, Strassbourg, France, December, 2-3, 2018

Zumstein MA: Session Elbow II, SECEC-ESSSE Congress, Geneva, Switzerland, September 9-22, 2018

Zumstein MA: Update «Postoperative Shoulderr Stiffnes» for PT's and MD's, Berner Schultertage, Bern, Switzerland, July 04-07, 2018

Zusätzliche Lehrleistungen

Attinger MC: Klinischer Dozent: Biosign-Mech.Biomechanik der Hüfte, Knie und Sprunggelenk. Hochschule Luzern, Medizintechnik, 11.10, 18.10, 08.11. und 20.12.18. 16 Lehrstunden.

Bastian JD: Examiner Facharztprüfung FMH swissorthopadics Anatomieprüfung, SFITS, 22.11.2018, Genf

Bastian JD: Seminar: "Orthopädische, operative Zugangswege" für Assistenzärzte/-innen sowie 6. Studienjahr (Wahljahrstudierende Orthopädie), Orthopädische Universitätsklinik, Inselspital (36Std)

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

Bigdon SF: Modulleiter Clinical Skills Training Orthopädie

Bigdon SF: Prüfer beim eidgenössischen Staatsexamen OSCE im September 2018 (8 Lehrstunden)

Bigdon SF: Verantwortlicher Modulleiter Bewegungsapparat zur Ausbildung der Medizinstudenten an der Universität Bern

Hoppe S: Orthopädischer Untersuchungskurs in den Kaderkursen für Militärärzte (Med OS), Kaserne Moudon

Hoppe S: Physiotherapievorlesung Wirbelsäule, Modul PHY7 M0022 Muskuloskelettales System, 2h

Krause F: "Fusskränzli" Fallvorstellungen Berner und ausserkantonaler Fusschirurgen, 6h/Jahr.

Krause F: CAS-Modul Orthopädie/ Traumatologie 2h/Jahr.

Krause F: Kurs_9366 Orthopädie, Traumatologie (ORT) ORT3 Fuss u. Sprunggelenk, 2h/Jahr, 202-heute

Habilitation

Hoppe S: Dr. med. Sven Hoppe Universitätsklinik für Orthopädische Chirurgie und Traumatologie, Inselspital, wurde am 28.11.2018 die Venia docendi für das Fach Orthopädische Chirurgie und Traumatologie erteilt.

Stipendien

Krismer A: German-Latin-American Fellowship of the DGOOC 2018
 4.000 Euro

Milavec H: Schweizerische Gesellschaft für Orthopädie und Traumatologie (Swiss Orthopaedics)
 Fortbildungsstipendium (Karriereförderung).
 Fellowship: Department of Orthopaedic Surgery (Spine Unit), National University Health System (NUHS), Singapore. 'Evaluation of Outcomes Following Surgery for Primary and Secondary Spine Tumours.'

Betrag: CHF 20'000.-
Dauer: 2018

Moser HL, Zumstein MA: Hans Neuenschwander Fonds
Genetic tracing of tendon stem cells during regenerative and non-regenerative tendon healing
Icahn School of Medicine at Mount Sinai, New York, USA
Betrag: CHF 55'000
(für Aufenthalt 2.1.2018-31.12.2018)

Masterarbeiten

Amrein P: Sensitivität und Spezifität von konventionellem Röntgen, CT, MRI und Lodox bei verdacht auf traumatische Läsion der Halswirbelsäule – under investigation
Leitung: Dr. med. SF Bigdon Departement of Orthopaedic Surgery and Traumatology, InselSpital, University of Bern 2018.

Harte J: Einfluss eines early return to Sports nach Verletzungen des Kniegelenkes
Leitung: Dr. med. SF Bigdon Departement of Orthopaedic Surgery and Traumatology, InselSpital, University of Bern 2018

Hauri V: "Modern Repair Techniques of the ACL - a Systematic Review".
Leitung: PD Dr. med. Dr. phil. nat. Frank M. Klenke, Departement of Orthopaedic Surgery and Traumatology, InselSpital, University of Bern, 2018.

Lammer A: The 25 most cited level I and II studies in foot and ankle surgery.
Leitung: F. Krause, Departement of Orthopaedic Surgery and Traumatology, InselSpital, University of Bern, 2018

Schlimme N: Ermittlung von potentiell prädiktiven Faktoren für die Entstehung von Knocheninfektionen (Osteitis) bzw. Knochenmarkinfektionen (Osteomyelitis).
Leitung: F. Krause, Departement of Orthopaedic Surgery and Traumatology, InselSpital, University of Bern, 2018

Zingg F: Outcome-Parameter von Knieendprothesen - Bibliometrische Studie
Leitung: Prof. Dr. med. Klaus A. Siebenrock
Departement of Orthopaedic Surgery and Traumatology, InselSpital, University of Bern, Switzerland 2018.

Dissertationen

Amrein P.
Sensitivität und Spezifität von konventionellem Röntgen, CT, MRI und Lodox bei verdacht auf traumatische Läsion der Halswirbelsäule – under investigation
Leitung: Dr. med. SF Bigdon, Departement of Orthopaedic Surgery and Traumatology, InselSpital, University of Bern, 2018

Dellenbach S.
Many Shoulder MRI Findings in Elite Professional Throwing Athletes Resolve After Retirement: A Clinical and Radiographic Study.
Leitung: Dr. M. Schär, Prof. Dr. MA Zumstein

Hasler J.

Inclination dependent changes of the critical shoulder angle significantly influence superior glenohumeral joint stability

PD Dr. med. Beat Moor, Prof. Dr. med. MA Zumstein, Hôpital du Valais

Hauri Vanessa

“Modern Repair Techniques of the ACL - a Systematic Review”.

Leitung: PD Dr. med. Dr. phil. nat. Frank M. Klenke, Departement of Orthopaedic Surgery and Traumatology, InselSpital, University of Bern, 2018.

Hourscht C.

Reconstruction of AAOS type III and IV acetabular defects with the Ganz reinforcement ring: high failure in pelvic discontinuity.

Leitung: PD Dr. Dr. Frank M. Klenke. Departement of Orthopaedic Surgery and Traumatology, InselSpital, University of Bern, 2018.

Moser Helen Laura

Genetic Lineage Tracing of Targeted Cell Populations during Enthesis healing.

Leitung: Prof. Dr. med. Matthias Zumstein, Departement of Orthopaedic Surgery and Traumatology, InselSpital, University of Bern 2018

Saldarriga Y.

Epidemiologie von Verletzungen der Wirbelsäule

Leitung: Dr. med. Bigdon SF, Departement of Orthopaedic Surgery and Traumatology, InselSpital, University of Bern, 2018

Todorski I.

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

Leitung: Prof. Dr. med. Klaus A. Siebenrock, Departement of Orthopaedic Surgery and Traumatology, InselSpital, University of Bern, 2018

Fortlaufende Liste der Ernennungen ab 2005

Professuren	
203	Prof. Dr. med. Stefan Eggli
202	Prof. Dr. med. Paul Ferdinand Heini
2005	Prof. Dr. med. Klaus Arno Siebenrock
Assoziierte Professuren	
2018	Prof. Dr. med. Moritz Tannast
207	Prof. Dr. med. Matthias Zumstein
206	Prof. Dr. med. Lorin Benneker
204	Prof. Dr. med. Christoph Röder
204	Prof. Dr. med. Martin Beck
200	Prof. Dr. med. Stefan Eggli
2008	Prof. Dr. med. Paul Ferdinand Heini
SNF Nachwuchsförderungsprofessur	
203	Prof. Dr. med. Moritz Tannast
Habilitationen	
2018	PD Dr. med. S. Hoppe
207	PD Dr. med. Timo Michael Ecker
207	PD Dr. med. Sandro Kohl
206	PD Dr. med. Dr. Lorenz Büchler
206	PD Dr. med. Johannes Bastian
205	PD Dr. med. Beat Kaspar Moor
204	PD Dr. med. Moritz Tannast
203	PD Dr. med. Frank M. Klenke
20	PD Dr. med. Fabian Krause
20	PD Dr. med. Lorin Michael Benneker
20	PD Dr. med. Matthias Zumstein
200	PD Dr. med. Richard Walter Nyffeler
200	PD Dr. med. Christoph Röder
2008	PD Dr. med. Martin Weber
2006	PD. Dr. med. Martin Beck