

## Publication list of PD Dr. A.H. Krieg

h-index (July 2019): 12, i10-index 15, Citations: 693 (Google scholar), 29.39 (Researchgate)

### Peer-reviewed scientific publications in international journals

1. Krenn P, Gehmert S, **Krieg AH**, Nowakowski AM. Challenging Implantation of Hip Prosthesis in a 32-year-old Patient with Kniest Syndrome. *J Orthop Case Rep.* 2019 Jan-Feb;9(1):62-64. doi: 10.13107/jocr.2250-0685.1310. PMID: 31245322
2. Hellmich HJ, **Krieg AH**. [Slipped capital femoral epiphysis-etiology and pathogenesis]. *Orthopade.* 2019 May 21. doi: 10.1007/s00132-019-03743-4. [Epub ahead of print] Review. German. PMID: 31115600
3. Mumme M, Wixmerten A, Miot S, Barbero A, Kaempfen A, Saxer F, Gehmert S, **Krieg A**, Schaefer DJ, Jakob M, Martin I. Tissue engineering for paediatric patients. *Swiss Med Wkly* 2019, 149:w20032, doi.org/10.4414/smw.2019.20032
4. **Krieg AH**, Lenze U, Schultze L, Gross MW, Haug M. Extracorporeal Irradiation and Reimplantation of Tumor-bearing Bone Segments Following Diaphyseal Sarcoma Resection at the Tibia. *Anticancer Res.* 2019 Apr;39(4):2015-2023. doi: 10.21873/anticancer.13312. PMID: 30952745
5. Xu G, Dong C, Zdzislaw K, **Krieg AH**. Virtual Periacetabular Osteotomy and Anatomical Measurements. *Orthop Surg.* 2019 Apr;11(2):277-284. doi: 10.1111/os.12438. Epub 2019 Mar 18 PMID: 30883009
6. Bangerter C, Romkes J, Lorenzetti S, **Krieg AH**, Hasler CC, Brunner R, Schmid S. What are the biomechanical consequences of a structural leg length discrepancy on the adolescent spine during walking? *Gait Posture.* 2019 Feb;68:506-513. doi: 10.1016/j.gaitpost.2018.12.040. Epub 2018 Dec 28. PMID: 30623844
7. Baumhoer D, Kovac M, Sperveslage J, Ameline B, Strobl AC, Krause A, Trautmann M, Wardelmann E, Nathrath M, Höller S, Harges J, Gosheger G, **Krieg AH**, Vieth V, Tirabosco R, Amary F, Flanagan AM, Hartmann W. Activating mutations in the MAP-kinase pathway define non-ossifying fibroma of bone. *J Pathol.* 2019 May;248(1):116-122. doi: 10.1002/path.5216. Epub 2019 Jan 24. PMID: 30549028
8. Steiger CN, Lenze U, **Krieg AH**. A new technique for correction of leg length discrepancies in combination with complex axis deformities of the lower limb using a lengthening nail and a locking plate. *J Child Orthop.* 2018 Oct 1;12(5):515-525. doi: 10.1302/1863-2548.12.170190. PMID:30294378
9. Manz N, **Krieg AH**, Heining U, Ritz N. Evaluation of the current use of imaging modalities and pathogen detection in children with acute osteomyelitis and septic arthritis. *Eur J Pediatr.* 2018 Jul;177(7):1071-1080. doi: 10.1007/s00431-018-3157-3. Epub 2018 May 4. PMID: 29728840
10. **Krieg AH**, Gehmert S, Angst R, Rischewski JR, Kühne T, Hefti F. Impact of Single Center Treatment on Ewing Sarcoma 10-Year Long Term Survival Rates. *Acta Chir Orthop Traumatol Cech.* 2017;84(6):431-435. PMID: 29351525
11. **Krieg AH**. [Extracorporeal irradiation : Reimplantation of bone segments in the treatment of malignant bone tumours]. *Orthopade.* 2017 Aug;46(8):681-687. doi: 10.1007/s00132-017-3445-z. Review. German. PMID: 28718006
12. **Krieg AH**, Gehmert S, Neeser OL, Kaelin X, Speth BM. Gain of length-loss of strength? Alteration in muscle strength after femoral leg lengthening in young patients: a prospective longitudinal observational study. *J Pediatr Orthop B.* 2018 Sep;27(5):399-403. doi: 10.1097/BPB.0000000000000479 PMID: 28704303

13. Lenze U, Kasal S, Hefti F, **Krieg AH**. Non-vascularised fibula grafts for reconstruction of segmental and hemicortical bone defects following meta- /diaphyseal tumour resection at the extremities. *BMC Musculoskelet Disord*. 2017 Jul 5;18(1):289. doi: 10.1186/s12891-017-1640-z PMID: 28679368
14. Hefti F, Donnan L, **Krieg AH**. Treatment of shepherd's crook deformity in patients with polyostotic fibrous dysplasia using a new type of custom made retrograde intramedullary nail: a technical note. *J Child Orthop*. 2017;11(1):64-70. doi: 10.1302/1863-2548.11.170002. PMID: 28439311
15. Longhi A, Bielack SS, Grimer R, Whelan J, Windhager R, Leithner A, Gronchi A, Biau D, Jutte P, **Krieg AH**, Klenke FM, Grignani G, Donati DM, Capanna R, Casanova J, Gerrand C, Bisogno G, Hecker-Nolting S, De Lisa M, D'Ambrosio L, Willegger M, Scoccianti G, Ferrari S. Extraskelatal osteosarcoma: A European Musculoskeletal Oncology Society study on 266 patients. *Eur J Cancer*. 2017 Mar;74:9-16. doi: 10.1016/j.ejca.2016.12.016. Epub 2017 Feb 3. PMID: 28167373
16. Lenze U, **Krieg AH**. Intramedullary lengthening nails: can we also correct deformities? *J Child Orthop*. 2016 Dec;10(6):511-516. Epub 2016 Nov 15. Review. PMID: 27848194
17. Studer K, Baker MP, **Krieg AH**. Operative treatment of congenital pseudarthrosis of the clavicle: a single-centre experience. *J Pediatr Orthop B*. 2017 May;26(3):245-249. doi: 10.1097/BPB.0000000000000400. PMID: 27792039
18. **Krieg AH**, Hefti F. [Acetabuloplasty - The Dega and Pemberton technique]. *Orthopade*. 2016 Aug;45(8):653-8. doi: 10.1007/s00132-016-3295-0. Review. German. PMID: 27385388
19. Burckhardt MA, Schifferli A, **Krieg AH**, Baumhoer D, Szinnai G, Rudin C. Tumor-associated FGF-23-induced hypophosphatemic rickets in children: a case report and review of the literature. *Pediatr Nephrol*. 2015 Jan;30(1):179-82. doi: 10.1007/s00467-014-2979-0. Epub 2014 Oct 18. Review. PMID: 25326108
20. Böhm S, **Krieg AH**, Hefti F, Brunner R, Hasler CC, Gaston M. Growth guidance of angular lower limb deformities using a one-third two-hole tubular plate. *J Child Orthop*. 2013 Oct;7(4):289-94. doi: 10.1007/s11832-013-0520-9. Epub 2013 Aug 31. PMID: 24432089
21. Brotzmann M, Hefti F, Baumhoer D, **Krieg AH**. Do malignant bone tumors of the foot have a different biological behavior than sarcomas at other skeletal sites? *Sarcoma*. 2013;2013:767960. doi: 10.1155/2013/767960. Epub 2013 Mar 20. PMID: 23737703
22. Hasler CC, **Krieg AH**. Current concepts of leg lengthening. *J Child Orthop*. 2012 Jun;6(2):89-104. doi: 10.1007/s11832-012-0391-5. Epub 2012 Mar 21. PMID: 23730339
23. Krol Z, Skadlubowicz P, Hefti F, **Krieg AH**. Virtual reconstruction of pelvic tumor defects based on a gender-specific statistical shape model. *Comput Aided Surg*. 2013;18(5-6):142-53. doi: 10.3109/10929088.2013.777973. Epub 2013 Mar 14. PMID: 23488562
24. Speth BM, **Krieg AH**, Kaelin A, Exner GU, Guillou L, von Hochstetter A, Jundt G, Hefti F. Synovial sarcoma in patients under 20 years of age: a multicenter study with a minimum follow-up of 10 years. *J Child Orthop*. 2011 Oct;5(5):335-42. Epub 2011 Aug 11. PMID: 23024724
25. Göpfert B, Krol Z, Freslier M, **Krieg AH**. 3D video-based deformation measurement of the pelvis bone under dynamic cyclic loading. *Biomed Eng Online*. 2011 Jul 17;10:60. doi: 10.1186/1475-925X-10-60. PMID: 21762533
26. **Krieg AH**, Lenze U, Hasler CC. Ilizarov hip reconstruction without external fixation: a new technique. *J Child Orthop*. 2010 Jun;4(3):259-66. doi: 10.1007/s11832-010-0256-8. Epub 2010 Apr 29. PMID: 21629378
27. **Krieg AH**, Lenze U, Speth BM, Hasler CC. Intramedullary leg lengthening with a motorized nail. *Acta Orthop*. 2011 Jun;82(3):344-50. doi: 10.3109/17453674.2011.584209. Epub 2011 May 11. PMID 21561309

28. **Krieg AH**, Lenze U, Gaston MS, Hefti F. The outcome of pelvic reconstruction with non-vascularised fibular grafts after resection of bone tumours. *J Bone Joint Surg Br.* 2010 Nov;92(11):1568-73. doi: 10.1302/0301-620X.92B11.24893. PMID: 21037354
29. **Krieg AH**, Hefti F, Speth BM, Jundt G, Guillou L, Exner UG, von Hochstetter AR, Cserhati MD, Fuchs B, Mouhsine E, Kaelin A, Klenke FM, Siebenrock KA. Synovial sarcomas usually metastasize after >5 years: a multicenter retrospective analysis with minimum follow-up of 10 years for survivors. *Ann Oncol.* 2011 Feb;22(2):458-67. doi: 10.1093/annonc/mdq394. Epub 2010 Aug 17. PMID: 20716627
30. Lenze U, Hasler CC, **Krieg AH**. [Intramedullary motorized nail for equalization of posttraumatic leg length discrepancies]. *Unfallchirurg.* 2011 Jul;114(7):604-10. doi: 10.1007/s00113-010-1820-x. German. PMID: 20652211
31. Moran M, **Krieg AH**, Boyle RA, Stalley PD. Bilateral total hip arthroplasty in Severe Hereditary Multiple Exostosis: a report of two cases. *Hip Int.* 2009 Jul-Sep;19(3):279-82. PMID: 19876885
32. **Krieg AH**, Speth BM, Ochsner PE. Backside volumetric change in the polyethylene of uncemented acetabular components. *J Bone Joint Surg Br.* 2009 Aug;91(8):1037-43. doi: 10.1302/0301-620X.91B8.21850. PMID: 19651830
33. **Krieg AH**, Mani M, Speth BM, Stalley PD. Extracorporeal irradiation for pelvic reconstruction in Ewing's sarcoma. *J Bone Joint Surg Br.* 2009 Mar;91(3):395-400. doi: 10.1302/0301-620X.91B3.21164. PMID: 19258619
34. **Krieg AH**, Speth BM, Foster BK. Leg lengthening with a motorized nail in adolescents : an alternative to external fixators? *Clin Orthop Relat Res.* 2008 Jan;466(1):189-97. doi: 10.1007/s11999-007-0040-3. Epub 2008 Jan 3. PMID: 18196392
35. **Krieg AH**, Speth BM, Won HY, Brook PD. Conservative management of bilateral femoral neck fractures in a child with autosomal dominant osteopetrosis. *Arch Orthop Trauma Surg.* 2007 Dec;127(10):967-70. Epub 2007 Jul 17. PMID: 17639433
36. **Krieg AH**, Davidson AW, Stalley PD. Intercalary femoral reconstruction with extracorporeal irradiated autogenous bone graft in limb-salvage surgery. *J Bone Joint Surg Br.* 2007 Mar;89(3):366-71. PMID: 17356151
37. **Krieg AH**, Hefti F. Reconstruction with non-vascularised fibular grafts after resection of bone tumours. *J Bone Joint Surg Br.* 2007 Feb;89(2):215-21. PMID: 17322438

**Peer-reviewed book chapters:**

Hefti F, Hasler C, **Krieg A**. Achsen und Längen, in: Fritz Hefti, *Kinderorthopädie in der Praxis*. Springer 2015. 2.Ausgabe: D633-660

Hefti F, Hasler C, **Krieg A**. Axes and lengths, in: Fritz Hefti, *Pediatric Orthopedics in Practice*-. Springer 2015. 2nd edition: 619-64

Hefti F., **Krieg, A.H**. Grundsätzliche Bemerkungen zu den Kongenitalen Pseudarthrosen der Clavicula In: RP Meyer, F Moro, HK Schwyzer, F Hefti, A Lüscher: 100 Claviculapseudarthrosen- Fehleranalyse und Behandlungsvorschläge. Springer Heidelberg 2017. 392-394

Hefti F., **Krieg, A.H**. Faelle 93 - 100 In: RP Meyer, F Moro, HK Schwyzer, F Hefti, A Lüscher: 100 Claviculapseudarthrosen- Fehleranalyse und Behandlungsvorschläge. Springer Heidelberg 2017. 394-410