

## Erst- und Letztautorenschaften

1. Döbele S, Deininger C, Sandmann GH, Schmitt A, Freude T, Stöckle U, **Lucke M**: New Method for Monitoring Partial Weight Bearing (PWB) of Outpatients with an Independent Insole Sensor System, *Acta Chir Orthop Traumatol Cech*, 2016, 83(2), 88-93.
2. Pförringer D, Obermeier A, Kiokekli M, Büchner H, Vogt S, Stemberger A, Burgkart R, **Lucke M**: Antimicrobial Formulations of Absorbable Bone Substitute Materials as Drug Carriers Based on Calcium Sulfate, *Antimicrob Agents Chemother*, 2016 Jun 20, 60(7), 3897-905, doi: 10.1128/AAC.00080-16, Print 2016 Jul.
3. Doebele S, Siebenlist S, Vester H, Wolf P, Hagn U, Schreiber U, Stöckle U, **Lucke M**: New method for detection of complex 3D fracture motion--verification of an optical motion analysis system for biomechanical studies, *BMC Musculoskelet Disord*, 2012 Mar 9, 13:33.
4. Siebenlist S, Schmidt-Horlohé K, Hoffmann R, Stöckle U, **Lucke M**: Proximal ulnar fractures, *ProZ Orthop Unfall*, 2011 Jun;149(3), e1-e19. Epub 2011 Jun 28, German.
5. Siebenlist S, Torsiglieri T, Kraus T, Burghardt RD, Stöckle U, **Lucke M**: Comminuted fractures of the proximal ulna-Preliminary results with an anatomically preshaped locking compression plate (LCP) system, *Injury*, 2010 Sep 7, Related citations.
6. **Lucke M**: Patienten mit offenen Beinfrakturen schnell in spezialisierte Traumaklinik bringen, Kommentar in: *Orthopädie und Rheuma*, 2010 (5), 32.
7. Martetschlaeger F, Siebenlist s, Sandmann G, Kraus T, Stoeckle U, **Lucke M**: Definitive treatment in a spiral-fracture of the distal humerus shaft with severe osteoporosis after two failed osteosynthesis: problem and solution, *A case report and literature review Eur J Trauma Emerg Surg*.
8. Vester H, Wildemann B, Schmidmaier G, Stöckle U, **Lucke M**: Gentamycin delivered from a PDLLA coating of metallic implants In vivo and in vitro characterisation for local prophylaxis of implant-related osteomyelitis, *Injury*, 2010 Jun 10.
9. **Lucke M**, Burghardt RD, Siebenlist S, Ganslmeier A, Stöckle U: Medial migration of lag screw with intrapelvic dislocation in gamma nailing-a unique problem? A report of 2 cases, *J Orthop Trauma*, 2010 Feb: 24(2), 6-11.
10. **Lucke M**, Siebenlist S, Stöckle U: Osteoporoseprophylaxe und Therapie in Deutschland nach Frakturen im Alter, *Arthritis und Rheuma*, 2010 Feb 1, 36-39.
11. Siebenlist S, Stöckle U, **Lucke M**: Problematik osteoporotischer Frakturen am Ellenbogen, *Obere Extremität*, 2009 Sept 4, 160-167.
12. **Lucke M**, Stöckle U, Lucke C: Diagnosis and treatment of femoral neck fractures from the beginning to operative treatment: A historical overview, *Z Gerontol Geriatr*, 2009 Aug 42(4), 311-6.
13. **Lucke M**: Local protection for surgical implants, *Chem Biol*, 2005 Sep 12(9), 958-91.F.
14. **Lucke M**, Wildemann B, Sadoni S, Surke C, Schiller R, Stemberger A, Raschke M, Haas NP, Schmidmaier G: Systemic versus local application of gentamicin in prophylaxis of implant-related osteomyelitis in a rat model, *Bone*, 2005 May, 36(5), 770.

15. **Lucke M**, Schmidmaier G, Sadoni S, Wildemann B, Schiller R, Stemberger A, Haas NP, Raschke M: A new model of implant-related osteomyelitis in rats, *J Biomed Mater Res B Appl Biomater*, 2003 Oct 15, 67(1), 593-602.
16. **Lucke M**, Schmidmaier G, Sadoni S, Wildemann B, Schiller R, Haas NP, Raschke M: Gentamicin coating of metallic implants reduces implant-related osteomyelitis in rats, *Bone*, 2003 May, 32(5), 521-31.

#### Koautorenschaften

17. Nast S, Fassbender M, Bormann N, Beck S, Montali A, **Lucke M**, Schmidmaier G, Wildemann B: In vivo quantification of gentamicin released from an implant coating, *J Biomater Appl*, 2016 Jul, 31(1), 45-54, doi: 10.1177/0885328216630912, Epub 2016 Feb 10.
18. Willinger L, **Lucke M**, Crönlein M, Sandmann GH, Biberthaler P, Siebenlist S: Malpositioned olecranon fracture tension-band wiring results in proximal radioulnar synostosis, *Eur J Med Res*, 2015 Oct 29, 20:87.
19. Schmitt A, Ehnert S, Schyschka L, Buschner P, Kühnl A, Döbele S, Siebenlist S, **Lucke M**, Stöckle U, Nussler AK: Monocytes do not transdifferentiate into proper osteoblasts, *ScientificWorldJournall*, 2012, 2012:384936, Epub 2012 Apr 30.
20. Horn C, Döbele S, Vester H, Schäffler A, **Lucke M**, Stöckle U: Combination of interfragmentary screws and locking plates in distal meta-diaphyseal fractures of the tibia: a retrospective, single-centre pilot study, *Injury*, 2011 Oct;42(10), 1031-7, Epub 2011 Jun 12.
21. Ehnert S, Baur J, Schmitt A, Neumaier M, **Lucke M**, Dooley S, Vester H, Wildemann B, Stöckle U, Nussler AK: TGF- $\beta$ (1) As Possible Link between Loss of Bone Mineral Density and Chronic Inflammation, *PLoS One*, 2010 Nov 22,5(11).
22. Burghardt RD, Siebenlist S, Döbele S, **Lucke M**, Stöckle U: Compartment syndrome of the thigh, A case report with delayed onset after stable pelvic ring fracture and chronic anticoagulation therapie, *BMC Geriatr*, 2010 Jul 27, 10:51.
23. Döbele S, Horn C, Eichhorn S, Buchholtz A, Lenich A, Burgkart R, Nüssler AK, **Lucke M**, Andermatt D, Koch R, Stöckle U. The dynamic locking screw (DLS) can increase interfragmentary motion on the near cortex of locked plating constructs by reducing the axial stiffness, *Langenbecks Arch Surg*, 2010 Apr, 395(4), 421-8.
24. Lucke C, Westermann C, **Lucke M**, Schellmann WD, Wohlers C: Cases from the area between geriatrics and trauma surgery: Examples from the medical arbitration board, *Z Gerontol Geriatr*, 2009 Oct 4, German.
25. Matziolis G, **Lucke M**, Perka C: Computer tomographically determined design parameters for optimized fit of an acetabular reconstruction cage, *Acta Chir Orthop Traumatol Cech*, 2007 Feb,74(1),14-8.
26. Schmidmaier G, **Lucke M**, Wildemann B, Haas NP, Raschke M: Prophylaxis and treatment of implant-related infections by antibiotic-coated implants: a review, *Injury*, 2006 May, 37 Suppl 2: 105-12.

27. Schmidmaier G, **Lucke M**, Schwabe P, Raschke M, Haas NP, Wildemann B: Collective review: bioactive implants coated with poly(D,L-lactide) and growth factors IGF-I, TGF-beta1, or BMP-2 for stimulation of fracture healing, *J Long Term Eff Med Implants*, 2006, 16(1),61-9.
28. Stöckle U, **Lucke M**, Haas NP: Zertifizierte Medizinische Fortbildung: Der Oberschenkelhalsbruch, *Dtsch Arztebl*, 2005, 102(49), A-3426-A-3434.
29. Wildemann B, Sander A, Schwabe P, **Lucke M**, Stöckle U, Raschke M, Haas NP, Schmidmaier G: Short term in vivo biocompatibility testing of biodegradable poly(D,L-lactide)-growth factor coating for orthopaedic implants, *Biomaterials*, 2005 Jun 26(18), 4035-40.
30. Kandziora F, Pflugmacher R, Scholz M, Schnake K, **Lucke M**, Schröder R, Mittlmeier T: Comparison between sheep and human cervical spines: an anatomic, radiographic, bone mineral density, and biomechanical study, *Spine*, 2001 May 1, 26(9), 1028-37.
31. Schmidmaier G, Wildemann B, Bail H, **Lucke M**, Fuchs T, Stemberger A, Flyvbjerg A, Haas NP, Raschke M: Local application of growth factors (insulin-like growth factor-1 and transforming growth factor-beta1) from a biodegradable poly(D,L-lactide) coating of osteosynthetic implants accelerates fracture healing in rats, *Bone*, 2001 Apr 28(4), 341-50.
32. Schmidmaier G, Wildemann B, Bail H, **Lucke M**, Stemberger A, Flyvbjerg A, Raschke M: Local liberation of IGF-I and TGF-beta 1 from a biodegradable poly(D,L-lactide) coating of implants accelerates fracture healing, *Chirurg*, 2000 Sep 71(9), 1016-22.
33. Wildemann B, **Lucke M**, Raschke M, Haas NP, Schmidmaier G: Bioactive implant coating for local drug delivery European Cells and Materials 2005, Vol.10 Suppl.5,18.

#### Buchbeiträge

in: Stannard JP, Schmidt AH, Kregor PJ, Wentzensen A, Gebhard F, Grützner PA, Ruchholz S, Stöckle U:

Geller JA, Reilly MC, Übersetzer: Buchholz A, **Lucke M**, Stöckle U: Hüftluxation und Femurkopffraktur, Spezielle

Unfallchirurgie, Georg Thieme Verlag AG, 2011, Stuttgart, 564-580.

in: Stannard JP, Schmidt AH, Kregor PJ, Wentzensen A, Gebhard F, Grützner PA, Ruchholz S, Stöckle U:

Haidukewych GJ, Übersetzer: Vester H, **Lucke M**, Stöckle U: Mediale Schenkelhalsfraktur, Spezielle Unfallchirurgie,

Georg Thieme Verlag AG, 2011, Stuttgart, 581-611.

in Stöckle U:

**Lucke M**: Olekranonfrakturen, Ellenbogenchirurgie, Urban und Fischer, Herbst 2009.

in Stöckle U:

**Lucke M**, Siebenlist S, Stöckle U: Ellenbogenverletzungen im Alter Ellenbogenchirurgie, Urban und Fischer, Herbst 2009.in: Leung KS, Taglang G, Schnettler R, Alt V, Haarman HJTM, Seidel H: Raschke MJ, Fuchs T, Stange R, **Lucke M**, Kandziora F, Wildemann B, Schmidmaier G: Active coating of implants used in orthopedic surgery, Practice of intramedullary locked nails, New developments in techniques and applications, Springer Verlag, Berlin Heidelberg 2006.