

## Publikationsliste

**Prof. Dr. med. Robert Pflugmacher**  
(Stand: April 2021)

1. [Randomized Trial of Sacroiliac Joint Arthrodesis Compared with Conservative Management for Chronic Low Back Pain Attributed to the Sacroiliac Joint.](#)  
Dengler J, Kools D, Pflugmacher R, Gasbarrini A, Prestamburgo D, Gaetani P, Cher D, Van Eeckhoven E, Annertz M, Stuesson B.  
J Bone Joint Surg Am. 2019 Mar 6;101(5):400-411. doi: 10.2106/JBJS.18.00022. PMID: 30845034 Free PMC article. Clinical Trial.
2. [A prospective, international, randomized, noninferiority study comparing an implantable titanium vertebral augmentation device versus balloon kyphoplasty in the reduction of vertebral compression fractures \(SAKOS study\).](#)  
Noriega D, Marcia S, Theumann N, Blondel B, Simon A, Hassel F, Maestretti G, Petit A, Weidle PA, Mandly AG, Kaya JM, Touta A, Fuentes S, Pflugmacher R.  
Spine J. 2019 Nov;19(11):1782-1795. doi: 10.1016/j.spinee.2019.07.009. Epub 2019 Jul 17.  
PMID: 31325625 Clinical Trial.
3. [Balloon kyphoplasty versus non-surgical fracture management for treatment of painful vertebral body compression fractures in patients with cancer: a multicentre, randomised controlled trial.](#)  
Berenson J, Pflugmacher R, Jarzem P, Zonder J, Schechtman K, Tillman JB, Bastian L, Ashraf T, Vrionis F; Cancer Patient Fracture Evaluation (CAFE) Investigators.  
Lancet Oncol. 2011 Mar;12(3):225-35. doi: 10.1016/S1470-2045(11)70008-0. Epub 2011 Feb 16.  
PMID: 21333599 Clinical Trial.
4. [1-Year Results of a Randomized Controlled Trial of Conservative Management vs. Minimally Invasive Surgical Treatment for Sacroiliac Joint Pain.](#)  
Dengler JD, Kools D, Pflugmacher R, Gasbarrini A, Prestamburgo D, Gaetani P, van Eeckhoven E, Cher D, Stuesson B.  
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PMID: 28934785 Clinical Trial.
5. [An Overview of the Current State of Pediatric Scoliosis Management.](#)  
Rüwald JM, Eymael RL, Upenieks J, Zhang L, Jacobs C, Pflugmacher R, Schildberg FA.  
Z Orthop Unfall. 2020 Oct;158(5):508-516. doi: 10.1055/a-0965-7760. Epub 2019 Aug 15.  
PMID: 31416110 English.
6. [\[Diagnosis of Patients with Painful Sacroiliac Joint Syndrome\].](#)  
Bornemann R, Pflugmacher R, Koch EMW, Roessler PP, Rommelspacher Y, Wirtz DC, Frey SP.  
Z Orthop Unfall. 2017 Jun;155(3):281-287. doi: 10.1055/s-0042-124417. Epub 2017 Apr 11.  
PMID: 28399606 Review. German.
7. [Three-dimensional thoracoscopic vertebral body replacement at the thoracolumbar junction.](#)  
Jacobs C, Plöger MM, Scheidt S, Roessler PP, Koob S, Kabir K, Jacobs C, Wirtz DC, Burger C, Pflugmacher R, Trommer F.  
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PMID: 30076428 Review. English.

8. [Heterotopic Ossification - Complication or Chance?](#)  
Roessler PP, Bornemann R, Jacobs C, Pflugmacher R, Trost M, Hölscher-Doht S, Jansen H, Frey SP.  
Z Orthop Unfall. 2019 Jun;157(3):301-307. doi: 10.1055/a-0732-5946. Epub 2018 Oct 15.  
PMID: 30321903 English, German.
9. [Spondylitis - Spondylodiscitis - an Update.](#)  
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Z Orthop Unfall. 2019 Apr;157(2):132-143. doi: 10.1055/a-0641-6894. Epub 2018 Jul 27.  
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10. [Endoscopic facet joint denervation for treatment of chronic lower back pain.](#)  
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11. [Implants for Vertebral Body Replacement - Which Systems are Available and Have Become Established.](#)  
Kasapovic A, Bornemann R, Pflugmacher R, Rommelspacher Y.  
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PMID: 31671459 English, German.
12. [\[Coexistent septic arthritis and spondylodiscitis as important differential diagnosis in immunosuppressed patients\].](#)  
Pfahler S, Pflugmacher R, Karakostas P, Dabir D, Schäfer VS.  
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13. [Characterization and Comparison of Human and Ovine Mesenchymal Stromal Cells from Three Corresponding Sources.](#)  
Haddouti EM, Randau TM, Hilgers C, Masson W, Walgenbach KJ, Pflugmacher R, Burger C, Gravius S, Schildberg FA.  
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14. [Balloon-assisted sacroplasty as a successful procedure for osteoporotic sacral insufficiency fractures after failure of the conservative treatment.](#)  
Schwetje D, Wahd YESH, Bornemann R, Jansen TR, Pflugmacher R, Kasapovic A.  
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15. [Treatment with and without stabilizing lumbar spinal orthosis after one- or two-level spondylodesis: A randomized controlled trial.](#)  
Rommelspacher Y, Bode H, Ziob J, Struwe C, Kasapovic A, Walter SG, Schildberg FA, Bornemann R, Wirtz DC, Pflugmacher R.  
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16. [Vertebral Bone Marrow-Derived Mesenchymal Stromal Cells from Osteoporotic and Healthy Patients Possess Similar Differentiation Properties In Vitro.](#)  
Haddouti EM, Randau TM, Hilgers C, Masson W, Pflugmacher R, Burger C, Gravius S, Schildberg FA.  
Int J Mol Sci. 2020 Nov 5;21(21):8309. doi: 10.3390/ijms21218309.  
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17. [High-Frequency Spinal Cord Stimulation for the Treatment of Chronic Low Back and Leg Pain: Implantation Technique of Percutaneous Leads and Implantable Pulse Generator.](#)  
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18. [A prospective, international, randomized, noninferiority study comparing an titanium implantable vertebral augmentation device versus balloon kyphoplasty in the reduction of vertebral compression fractures \(SAKOS study\).](#)  
Noriega D, Marcia S, Theumann N, Blondel B, Simon A, Hassel F, Maestretti G, Petit A, Weidle PA, Gonzalez AM, Kaya JM, Touta A, Fuentes S, Pflugmacher R.  
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19. [The Kellgren and Lawrence Score as a helpful tool for the indication for total disc replacement at the cervical spine.](#)  
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20. [Influence of radiofrequency kyphoplasty on pulmonary function.](#)  
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21. [\[Preoperative, neuropathic component in patients with back pain\].](#)  
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22. [Radiofrequency Ablation: Temperature Distribution in Adjacent Tissues.](#)  
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23. [Erratum to: Three-dimensional thoracoscopic vertebral body replacement at the thoracolumbar junction.](#)  
Jacobs C, Plöger MM, Scheidt S, Roessler PP, Koob S, Kabir K, Jacobs C, Wirtz DC, Burger C, Pflugmacher R, Trommer F.  
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26. [\[Rare complication after endoscopic discectomy\].](#)  
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27. [Interaction of radiation therapy and radiofrequency kyphoplasty in the treatment of myeloma patients.](#)  
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28. [\[Diagnosis and Treatment of Spondylodiscitis/Spondylitis in Clinical Practice\].](#)  
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30. [\[Diagnosis and treatment of radiocarpal fracture dislocations\].](#)  
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31. [Surgical and Clinical Results of Minimally Invasive Spinal Fusion Surgery in an Unselected Patient Cohort of a Spinal Care Unit.](#)  
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32. [Influence of smoking on spinal fusion after spondylodesis surgery: A comparative clinical study.](#)  
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33. [Treatment options for vertebral fractures an overview of different philosophies and techniques for vertebral augmentation.](#)  
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36. [Comparison of Radiofrequency-targeted Vertebral Augmentation With Balloon Kyphoplasty for the Treatment of Vertebral Compression Fractures: 2-Year Results.](#)  
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40. [Radiofrequency-activated PMMA-augmentation through cannulated pedicle screws: A cadaver study to determine the biomechanical benefits in the osteoporotic spine.](#)  
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