

Publikationen der Poliklinik für Zahnärztliche Prothetik des Universitätsklinikums Heidelberg 2024

1. Bensel T, Megiroo S, Kronenberg W, Bömicke W, Ulrichs T, Hinz S (2024) Oral Health Status of Healthcare Workers in Ilembula/Tanzania during the COVID-19 Condition. *Healthcare (Basel)* 12. doi: 10.3390/healthcare12090920
2. Boehm S, Bömicke W (2024) Die erfolgreiche Präzisionsabformung – ein Überblick. *wissen kompakt* 18:10. doi: <https://doi.org/10.1007/s11838-023-00184-w>
3. Bömicke W, Boisseree P, Rammelsberg P, Rues S (2024) Initial damage and failure load of zirconia-ceramic and metal-ceramic posterior cantilever fixed partial dentures. *Clin Oral Investig* 28:94. doi: 10.1007/s00784-024-05501-z
4. Bömicke W, Haas J, Awounvo S, Rammelsberg P, Rues S (2024) Prospective clinical study of enamel wear caused by monolithic zirconia resin-bonded inlay-retained and wing-retained fixed partial dentures over 5 years. *Clin Oral Investig* 29:15. doi: 10.1007/s00784-024-06103-5
5. Bömicke W, Schwindling FS, Rammelsberg P, Rues S (2024) Bond Strength of Milled and Printed Zirconia to 10-Methacryloyloxydecyl Dihydrogen Phosphate (10-MDP) Resin Cement as a Function of Ceramic Conditioning, Disinfection and Ageing. *Materials (Basel)* 17. doi: 10.3390/ma17092159
6. Handermann R, Rammelsberg P, Bömicke W (2024) Metal-Ceramic Resin-Bonded Fixed Partial Dentures After a Mean Observation Time of 7.5 Years. *Int J Prosthodont* 37:157-165. doi: 10.11607/ijp.8296
7. Handermann R, Zehender N, Rues S, Kobayashi H, Rammelsberg P, Schwindling FS (2024) Load-bearing capacity of 3D-printed incisor partial-coverage crowns made from zirconia and composite. *J Prosthodont Res* 68:532-539. doi: 10.2186/jpr.JPR_D_23_00028
8. Hetzler S, Rues S, Zenthöfer A, Rammelsberg P, Lux CJ, Roser CJ (2024) Finite Element Analysis of Fixed Orthodontic Retainers. *Bioengineering (Basel)* 11. doi: 10.3390/bioengineering11040394
9. Klotz AL, Hagspiel S, Busch C, Zenthöfer S, Rammelsberg P, Zenthöfer A (2024) Mid-term survival and complications of double-crown-retained removable dental prostheses placed in the dental practice - a retrospective study. *Clin Oral Investig* 29:26. doi: 10.1007/s00784-024-06090-7
10. Klotz AL, Halfmann J, Rues S, Bömicke W, Rammelsberg P, Zenthöfer A (2024) Fracture Resistance of Posterior Tooth-Supported Cantilever Fixed Dental Prostheses of Different Zirconia Generations and Framework Thicknesses: An In Vitro Study. *Materials (Basel)* 17. doi: 10.3390/ma17010263

11. Klotz AL, Prager D, Rammelsberg P, Hassel AJ, Zenthöfer A (2024) A German version of the Oral Impacts of Daily Performances-reliability and validity. *Clin Oral Investig* 28:73. doi: 10.1007/s00784-023-05437-w
12. Rammelsberg P, Klotz AL (2024) Long-term retention and survival of cemented implant-supported zirconia and metal-ceramic single crowns: A retrospective study. *Clin Oral Implants Res* 35:1335-1342. doi: 10.1111/clr.14321
13. Rathmann F, Pohl M, Rammelsberg P, Bömcke W (2024) Up to 10 years clinical performance of zirconia ceramic and metal-ceramic fixed partial dentures: A retrospective study. *J Prosthet Dent* 132:756-765. doi: 10.1016/j.prosdent.2022.11.003
14. Roser CJ, Rues S, Erber R, Hodecker L, Lux CJ, Bauer CAJ (2024) Tooth mobility restriction by multistranded and CAD/CAM retainers-an in vitro study. *Eur J Orthod* 46. doi: 10.1093/ejo/cjad076
15. Rues S, Becker T, Bartha V, Spindler M, Hetzler S, Wolff D, Rammelsberg P, Zenthöfer A (2024) Design and Efficacy of Custom-Made Cleaning Splints for the Approximal Plaque Removal-A Laboratory Study. *J Clin Med* 13. doi: 10.3390/jcm13247763
16. Rues S, Depre D, Stober T, Rammelsberg P, Zenthöfer A (2024) Accuracy of polyether and vinylpolysiloxane impressions when using different types of 3D-printed impression trays - an in vitro study. *Clin Oral Investig* 28:560. doi: 10.1007/s00784-024-05962-2
17. Sekundo C, Frese C, Alich N, Langowski E, Awounvo S, Wolff D, Zenthöfer A (2024) Very old age impacts masticatory performance: a study among sexagenarians to centenarians. *Clin Oral Investig* 28:349. doi: 10.1007/s00784-024-05742-y
18. Sekundo C, Ottensmeier F, Rues S, Staehle HJ, Pujades M, Frese C (2024) Creation of a Systematic Interdental Brush Set Based on the Passage Hole Diameter (PHD) - An In-Vitro Study. *Oral Health Prev Dent* 22:409-416. doi: 10.3290/j.ohpd.b5683229
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20. Tesarz J, Herpel C, Meischner M, Drusko A, Friederich HC, Flor H, Reichert J (2024) Effects of virtual reality on psychophysical measures of pain: superiority to imagination and nonimmersive conditions. *Pain* 165:796-810. doi: 10.1097/j.pain.0000000000003083

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22. Waldecker M, Bömicke W, Awounvo Awounvo S, Rammelsberg P, Rues S (2024) Influence of artificial landmarks on the accuracy of complete arch scans in the partially edentulous maxilla: An in vitro study. *J Prosthet Dent* 132:829-837. doi: 10.1016/j.prosdent.2022.08.011
23. Waldecker M, Rues S, Behnisch R, Rammelsberg P, Bömicke W (2024) Effect of scan-path length on the scanning accuracy of completely dentate and partially edentulous maxillae. *J Prosthet Dent* 131:146-154. doi: 10.1016/j.prosdent.2022.02.016
24. Waldecker M, Rues S, Rammelsberg P, Bömicke W (2024) Dimensional Accuracy of Novel Vinyl Polysiloxane Compared with Polyether Impression Materials: An In Vitro Study. *Materials (Basel)* 17. doi: 10.3390/ma17174221
25. Zenthöfer A, Fien D, Rossipal J, Ilani A, Schmitt C, Hetzler S, Rammelsberg P and Rues S (2024) Fracture Resistance of 3D-Printed Occlusal Veneers Made from 3Y-TZP Zirconia. *Materials (Basel)* 17. doi: 10.3390/ma17092122
26. Zenthöfer A, Ilani A, Rues S (2024) In Vitro Aging and Fracture Tests on Differently Veneered Partially Stabilized Zirconia Anterior Crowns. *Int J Dent* 2024:2037792. doi: 10.1155/2024/2037792
27. Zenthöfer A, Ilani A, Schmitt C, Rammelsberg P, Hetzler S, Rues S (2024) Biaxial flexural strength of 3D-printed 3Y-TZP zirconia using a novel ceramic printer. *Clin Oral Investig* 28:145. doi: 10.1007/s00784-024-05533-5