

Publikationen der Poliklinik für Zahnärztliche Prothetik des Universitätsklinikums Heidelberg 2021

1. Asendorf A, Möllenkamp J, Schierz O, Rauch A, Asendorf T, Rammelsberg P, Eberhard L. Interexaminer reliability of the German version of the DC/TMD. *J Oral Rehabil* 2021;48:28-34.
2. Bömicke W. Erfolgreiche adhäsive Befestigung von vollkeramischem Zahnersatz. *Wissen Kompakt* 2021;15:183-94.
3. Bömicke W, Rathmann F, Pilz M, Bermejo JL, Waldecker M, Ohlmann B, Rammelsberg P, Zenthöfer A. Clinical Performance of Posterior Inlay-Retained and Wing-Retained Monolithic Zirconia Resin-Bonded Fixed Partial Dentures: Stage One Results of a Randomized Controlled Trial. *J Prosthodont* 2021;30:384-93.
4. Held T, Herpel C, Schwindling FS, Christ L, Lang K, Regnery S, Eichkorn T, Hommertgen A, Jaekel C, Krisam J, Moratin J, Mrosek J, Metzger K, Zaoui K, Moutsis T, Harrabi S, Herfarth K, Freudlsperger C, Rammelsberg P, Debus J, Adeberg S. 3D-printed individualized tooth-borne tissue retraction devices compared to conventional dental splints for head and neck cancer radiotherapy: a randomized controlled trial. *Radiat Oncol* 2021;16:75.
5. Herpel C, Kostunov J, Held T, Christ L, Adeberg S, Rammelsberg P, Schwindling FS. Tissue Retraction for Head and Neck Radiotherapy in Edentulous Patients. *Int J Prosthodont* 2021;34:261-6.
6. Herpel C, Rammelsberg P, Rues S, Zenthöfer A, Seceleanu I, Corcodel N. Color stability of individually stained monolithic zirconia following occlusal adjustment. *J Esthet Restor Dent* 2021;33:387-93.
7. Herpel C, Schwindling FS, Held T, Christ L, Lang K, Schwindling M, Moratin J, Zaoui K, Moutsis T, Plinkert P, Herfarth K, Freudlsperger C, Rammelsberg P, Debus J, Adeberg S. Individualized 3D-Printed Tissue Retraction Devices for Head and Neck Radiotherapy. *Front Oncol* 2021;11:628743.
8. Herpel C, Springer A, Puschkin G, Zimmermann L, Stober T, Rammelsberg P, Schwindling FS. Removable partial dentures retained by hybrid CAD/CAM cobalt-chrome double crowns: 1-year results from a prospective clinical study: CAD/CAM cobalt-chrome double crowns: 1-year results. *J Dent* 2021;115:103847.
9. Herpel C, Tasaka A, Higuchi S, Finke D, Kühle R, Odaka K, Rues S, Lux CJ, Yamashita S, Rammelsberg P, Schwindling FS. Accuracy of 3D printing compared with milling - A multi-center analysis of try-in dentures. *J Dent* 2021;110:103681.

10. Horsch L, Labis C, Trebing CT, Kronsteiner D, Hilgenfeld T, Rammelsberg P, Schwindling FS. Predictability and image quality of low-dose cone-beam computed tomography in computer-guided implantology: An experimental study. *J Dent* 2021;112:103744.
11. Kappel S, Klotz AL, Eberhard L, Lorenzo Bermejo J, Rammelsberg P, Giannakopoulos NN. Maxillary implant overdentures on two or four implants. A prospective randomized cross-over clinical trial of implant and denture success and survival. *Clin Oral Implants Res* 2021;32:1061-71.
12. Kern M, Behrendt C, Fritzer E, Kohal RJ, Luthardt RG, Maltzahn NFV, Rädcl M, Reissmann DR, Schwindling FS, Wolfart S, Passia N. 5-year randomized multicenter clinical trial on single dental implants placed in the midline of the edentulous mandible. *Clin Oral Implants Res* 2021;32:212-21.
13. Klotz AL, Fobbe H, Rammelsberg P, Lorenzo Bermejo J, Kappel S. Survival and success of tooth-implant-supported and solely implant-supported double-crown-retained overdentures: A prospective study over a period of up to 11 years. *Clin Oral Implants Res* 2021;32:1425-32.
14. Klotz AL, Zajac M, Ehret J, Kilian S, Rammelsberg P, Zenthöfer A. Which factors influence the oral health of nursing-home residents with cognitive and motor impairments? *Aging Clin Exp Res* 2021;33:85-93.
15. Kostunov J, Rammelsberg P, Klotz AL, Zenthöfer A, Schwindling FS. Minimization of Tooth Substance Removal in Normally Calcified Teeth Using Guided Endodontics: An In Vitro Pilot Study. *J Endod* 2021;47:286-90.
16. Leisner L, Kronsteiner D, Rammelsberg P. Effect of previous implant failure on the prognosis of subsequent implants: A retrospective study. *Clin Oral Implants Res* 2021;32:863-70.
17. Rammelsberg P, Meyer A, Lorenzo-Bermejo J, Kappel S, Zenthöfer A. Long-term chipping and failure rates of implant-supported and combined tooth-implant-supported metal-ceramic and ceramic fixed dental prostheses: A cohort study. *J Prosthet Dent* 2021;126:196-203.
18. Roller D, Eberhard L. Quality over quantity - development of communicative and social competence in dentistry at the Medical Faculty of Heidelberg. *GMS J Med Educ* 2021;38:Doc60.
19. Roser C, Hodecker LD, Koebel C, Lux CJ, Ruckes D, Rues S, Zenthöfer A. Mechanical properties of CAD/CAM-fabricated in comparison to conventionally fabricated functional regulator 3 appliances. *Sci Rep* 2021;11:14719.
20. Rues S, Schmitter M, Kappel S, Sonntag R, Kretzer JP, Nadorf J. Effect of bone quality and quantity on the primary stability of dental implants in a simulated bicortical placement. *Clin Oral Investig* 2021;25:1265-72.

21. Rues S, Stober T, Bargum T, Rammelsberg P, Zenthöfer A. Disposable plastic trays and their effect on polyether and vinyl polysiloxane impression accuracy-an in vitro study. *Clin Oral Investig* 2021;25:1475-84.
22. Rues S, Waldecker M, Rammelsberg P, Zenthöfer A. Effect of Mesh Homogeneity and Choice of Target Surface on Statistical Evaluation of Mesh Differences. *Biotribology* 2021;26:100176.
23. Schessler K, Bömicke W. Konventionelle vs. digitale Ganzkieferabformung – Ein klinisches Update. *Der freie Zahnarzt* 2021;7+8:86-88.
24. Schwindling FS, Boehm S, Herpel C, Kronsteiner D, Vogel L, Juerchott A, Heiland S, Bendszus M, Rammelsberg P, Hilgenfeld T. Geometric Reproducibility of Three-Dimensional Oral Implant Planning Based on Magnetic Resonance Imaging and Cone-Beam Computed Tomography. *J Clin Med* 2021;10.
25. Schwindling FS, Juerchott A, Boehm S, Rues S, Kronsteiner D, Heiland S, Bendszus M, Rammelsberg P, Hilgenfeld T. Three-dimensional accuracy of partially guided implant surgery based on dental magnetic resonance imaging. *Clin Oral Implants Res* 2021;32:1218-27.
26. Sekundo C, Langowski E, Kilian S, Wolff D, Zenthöfer A, Frese C. Association of Dental and Prosthetic Status with Oral Health-Related Quality of Life in Centenarians. *Int J Environ Res Public Health* 2021;18.
27. Spintzyk S, Geis-Gerstorfer J, Bourauel C, Keilig L, Lohbauer U, Brune A, Greuling A, Arnold C, Rues S, Adjiski R, Sawada T, Lumkemann N, Stawarczyk B, Ilie N, Frankenberger R, Dudek MC, Strickstock M, Begand S. Biaxial flexural strength of zirconia: A round robin test with 12 laboratories. *Dent Mater* 2021;37:284-95.
28. Trebing CT, Sen S, Rues S, Herpel C, Schöllhorn M, Lux CJ, Rammelsberg P, Schwindling FS. Non-invasive three-dimensional thickness analysis of oral epithelium based on optical coherence tomography-development and diagnostic performance. *Heliyon* 2021;7:e06645.
29. Waldecker M, Karl J, Bömicke W. Prothetische Rehabilitation eines jugendlichen Patienten mit Amelogenesis imperfecta. *Quintessenz* 2021;72:1138-49.
30. Waldecker M, Rues S, Rammelsberg P, Bömicke W. Accuracy of complete-arch intraoral scans based on confocal microscopy versus optical triangulation: A comparative in vitro study. *J Prosthet Dent* 2021;126:414-20.
31. Waldecker M, Rues S, Trebing C, Behnisch R, Rammelsberg P, Bömicke W. Effects of Training on the Execution of Complete-Arch Scans. Part 2: Scanning Accuracy. *Int J Prosthodont* 2021;34:27-36.

32. Waldecker M, Trebing C, Rues S, Behnisch R, Rammelsberg P, Bömicke W. Effects of Training on the Execution of Complete-Arch Scans. Part 1: Scanning Time. *Int J Prosthodont* 2021;34:21-6.
33. Zenthöfer A, Ehret J, Zajac M, Kilian S, Kostunov J, Rammelsberg P, Klotz AL. How Do Changes in Oral Health and Chewing Efficiency Affect the Changes of Oral-Health-Related Quality of Life of Nursing-Home Residents in the Short Term? *Clin Interv Aging* 2021;16:789-98.
34. Zenthöfer A, Schröder J, Rammelsberg P, Klotz AL. [Dental treatment in old age-When and what is indicated?]. *Z Gerontol Geriatr* 2021;54:517-28.
35. Zenthöfer A, Schröder J, Rammelsberg P, Klotz AL. Mund- und Zahngesundheit im Alter. *Basiskurs Geriatrie* 2021;November 2021:95-104.