

**Ausgabe:** ZWP Zahnarzt Wirtschaft Praxis 4/23  
**Thema:** Analog abformen - Digital fertigen: Fallbericht zum hybriden Workflow  
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## Literatur

Ahlholm, Pekka; Sipilä, Kirsi; Vallittu, Pekka; Jakonen, Minna; Kotiranta, Ulla (2018): Digital Versus Conventional Impressions in Fixed Prosthodontics: A Review. In: Journal of Prosthodontics 27 (1), S. 35–41. DOI: 10.1111/jopr.12527.

Aswani, Kanchan; Wankhade, Sattyam; Khalikar, Arun; Deogade, Suryakant (2020): Accuracy of an intraoral digital impression: A review. In: Journal of Indian Prosthodontic Society 20 (1), S. 27–37. DOI: 10.4103/jips.jips\_327\_19.

Cicciù, Marco; Fiorillo, Luca; D'Amico, Cesare; Gambino, Dario; Amantia, Emanuele Mario; Laino, Luigi et al. (2020): 3D Digital Impression Systems Compared with Traditional Techniques in Dentistry: A Recent Data Systematic Review. In: Materials 13 (8), S. 1982. DOI: 10.3390/ma13081982.

Donovan, Terry E.; Chee, Winston W. L. (2004): A review of contemporary impression materials and techniques. In: Dental clinics of North America 48 (2), vi-vii, 445-70. DOI: 10.1016/j.cden.2003.12.014.

Gonçalves, F. S.; Popoff, D. A. V.; Castro, C. D. L.; Silva, G. C.; Magalhães, C. S.; Moreira, A. N. (2011): Dimensional stability of elastomeric impression materials: a critical review of the literature. In: The European journal of prosthodontics and restorative dentistry 19 (4), S. 163–166.

Hosseinpour, Dariush; Berg, John C. (2009): The dynamic interaction of water with four dental impression materials during cure. In: Journal of Prosthodontics 18 (4), S. 292–300. DOI: 10.1111/j.1532-849X.2008.00423.x.

Johnson, Glen H.; Mancl, Lloyd A.; Schwedhelm, E. Ricardo; Verhoef, Douglas R.; Lepe, Xavier (2010): Clinical trial investigating success rates for polyether and vinyl polysiloxane impressions made with full-arch and dual-arch plastic trays. In: The Journal of Prosthetic Dentistry 103 (1), S. 13–22. DOI: 10.1016/S0022-3913(09)60208-0.

Lawson, Nathaniel C.; Burgess, John O.; Litaker, Mark S. (2008): Tensile elastic recovery of elastomeric impression materials. In: The Journal of Prosthetic Dentistry 100 (1), S. 29–33. DOI: 10.1016/S0022-3913(08)60131-6.

Lawson, Nathaniel C.; Litaker, Mark S.; Sowell, Ellen; Gordan, Valeria V.; Mungia, Rahma; Ronzo, Kenneth R. et al. (2020): Clinical acceptance of single-unit crowns and its association with impression and tissue displacement techniques: Findings from the National Dental Practice-Based Research Network. In: The Journal of Prosthetic Dentistry 123 (5), S. 701–709. DOI: 10.1016/j.prosdent.2019.05.016.

Malik, Junaid; Rodriguez, Jose; Weisbloom, Michael; Petridis, Haralampos (2018): Comparison of Accuracy Between a Conventional and Two Digital Intraoral Impression Techniques. In: The International journal of prosthodontics 31 (2), S. 107–113. DOI: 10.11607/ijp.5643.

Mubaraki, Manal Q.; Moaleem, Mohammed M. Al; Alzahrani, Abdulrahman H.; Shariff, Mansoor; Alqahtani, Saeed M.; Porwal, Amit et al. (2022): Assessment of Conventionally and Digitally Fabricated Complete Dentures: A Comprehensive Review. In: Materials 15 (11), S. 3868. DOI: 10.3390/ma15113868.

Raigrodski, Ariel J.; Dogan, Sami; Mancl, Lloyd A.; Heindl, Harald (2009): A Clinical Comparison of Two Vinyl Polysiloxane Impression Materials Using the One-Step Technique. In: The Journal of Prosthetic Dentistry 102 (3), S. 179–186. DOI: 10.1016/S0022-3913(09)60143-8.

Reich, S.; Reich, Regina; Kühne, Christina Alexa (2021): Intraoralscan für zahngetragene Restaurationen. In: wissen kompakt 15 (4), S. 149–157. DOI: 10.1007/s11838-021-00141-5.

Rudolph, Heike; Quaas, Sebastian; Haim, Manuela; Preißler, Jörg; Walter, Michael H.; Koch, Rainer; Luthardt, Ralph G. (2013): Randomized controlled clinical trial on the three-dimensional accuracy of fast-set impression materials. In: Clin Oral Invest 17 (5), S. 1397–1406. DOI: 10.1007/s00784-012-0823-0.

Shetty, S. R.; Kamat, G.; Shetty, R. (2013): Wetting characteristics of addition silicon materials subjected to immersion disinfection--an in-vitro study. In: The European journal of prosthodontics and restorative dentistry 21 (3), S. 98–104.

Todkar, Mandar; Nagarale, Renuka; Sayyad, Tabassum; Siddiqui, Afreen Fatima; Sayed, Firdous Jahan; Katanghar, Samrin (2022): Awareness, attitude and knowledge of computer aided design/computer aided manufacturing (cad/cam) among dental professionals. In: Int. J. Appl. Dent. Sci. 8 (1), S. 376–381. DOI: 10.22271/oral.2022.v8.i1f.1452.

Watanabe et al. 2022

Stevens 2020

Berg 2009