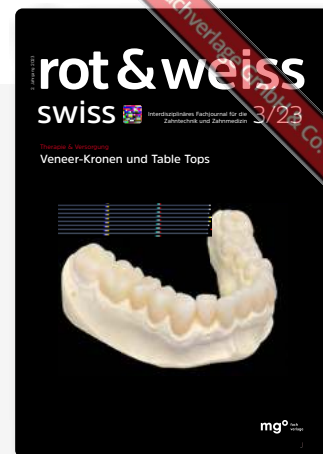


Toronto Bridge mit laborgefertigter Hybridkeramik

Innen hart, aussen smart!

Ein Beitrag von Achim Dreher, Ivan Matkovic, Dr. Christoph Arnhart



Literaturangabe

1. Ayub KV, Ayub EA, Lins do Valle A, Bonfante G, Pegoraro T, Fernando L. Seven-Year Follow-up of Full-Arch Prostheses Supported by Four Implants: A Prospective Study. *Int J Oral Maxillofac Implants*. 2017 Nov/Dec; 32(6): 1351-1358.
2. Soto-Penalosa D, Zaragoza-Alonso R, Penarrocha-Diago M, Penarrocha-Diago M. The all-on-four treatment concept: Systematic review. *J Clin Exp Dent*. 2017 Mar 1; 9(3): e474-e488.
3. Swain MV, Coldea A, Bilkhair A, Guess PC. Interpenetrating network ceramic-resin composite dental restorative materials. *Dent Mater*. 2016 Jan; 32(1): 34-42.
4. Furtado de Mendonca A, Shahmoradi M, Gouvêa CVD, De Souza GM, Ellakwa A. Microstructural and Mechanical Characterization of CAD/CAM Materials for Monolithic Dental Restorations. *J Prosthodont*. 2019 Feb; 28(2): e587-e594.
5. Sulaiman TA, Suliman AA, Mohamed EA, Rodgers B, Altak A, Johnston WM. Optical properties of bisacryl-, composite-, ceramic- resin restorative materials: An aging simulation study. *J Esthet Restor Dent*. 2021 Sep;33(6):913-918.
6. Conejo J, Ozer F, Mante F, Atria PJ, Blatz MB. Effect of surface treatment and cleaning on the bond strength to polymer-infiltrated ceramic network CAD-CAM material. *J Prosthet Dent*. 2021 Nov; 126(5): 698-702.
7. Rohr N, Coldea A, Zitzmann NU, Fischer J. Loading capacity of zirconia implant supported hybrid ceramic crowns. *Dent Mater*. 2015 Dec; 31(12): e279-88.
8. Coldea A, Swain MV, Thiel N. In-vitro strength degradation of dental ceramics and novel PICN material by sharp indentation. *J Mech Behav Biomed Mater*. 2013 Oct; 26: 34-42.
9. Baumgart P, Kirsten H, Haak R, Olms C. Biomechanical properties of polymer-infiltrated ceramic crowns on one-piece zirconia implants after long-term chewing simulation. *Int J Implant Dent*. 2018 May 23; 4(1): 16.
10. Ludovichetti FS, Trindade FZ, Werner A, Kleverlaan CJ, Fonseca RG. Wear resistance and abrasiveness of CAD-CAM monolithic materials. *J Prosthet Dent*. 2018 Aug; 120(2): 318.e1-318.e8.
11. Kurbad A. Final restoration of implants with a hybrid ceramic superstructure. *Int J Comput Dent*. 2016; 19(3): 257-79.
12. Riedel C, Wendler M, Belli R, Petschelt A, Lohbauer U. In vitro lifetime of zirconium dioxide-based crowns veneered using Rapid Layer Technology. *Eur J Oral Sci*. 2019 Apr; 127(2): 179-186.