

LITERATUR

Thema: Möglichkeiten von zweiteiligen Keramikimplantaten

Autoren: Dr. Volker Optiz

1. Bormann K-H, Gellrich N-C, Kniha H, Schild S, Weingart D, Gahlert M. A prospective clinical study to evaluate the performance of zirconium dioxide dental implants in single-tooth edentulous area: 3-year follow-up. *BMC Oral Health*. 2018 Nov 1;18(1):181. doi: 10.1186/s12903-018-0636-x.
2. Brüll F, van Winkelhoff A J, Cune M. Zirconia dental implants: a clinical, radiographic, and microbiologic evaluation up to 3 years. *Int J Oral Maxillofac Implants*. 2014 Jul-Aug;29(4):914-20. doi: 10.11607/jomi.3293.
3. Choukroun J, Ghanaati S. Reduction of relative centrifugation force within injectable platelet-rich-fibrin (PRF) concentrates advances patients' own inflammatory cells, platelets and growth factors: the first introduction to the low speed centrifugation concept. *Eur J Trauma Emerg Surg*. 2018; 44(1): 87–95.
4. Comisso I, Santiago AH, Saurabh G. Zirconium dioxide implants as an alternative to titanium: A systematic review. *Journal of Clinical and Experimental Dentistry* 13.5 (2021): e511.
5. Gahlert M, Burtscher D, Pfundstein G, Grunert I, Kniha H, Roehling S. Dental zirconia implants up to three years in function: a retrospective clinical study and evaluation of prosthetic restorations and failures. *Int j oral maxillofac implants*. 2013;28:896-904
6. Gahlert M, Kniha H, Laval S, Gellrich N-C, Bormann K-H. Prospective Clinical Multicenter Study Evaluating the 5-Year Performance of Zirconia Implants in Single-Tooth Gaps. PMID: 35904838 DOI: [10.11607/jomi.9289](https://doi.org/10.11607/jomi.9289)
7. Gahlert M, Kniha H, Wölfler H, Jaquiéry C, Röhling S. Patient preference and knowledge of ceramic implants. *Ceramic Implants* 2018, 2:6-9.
8. Gallucci GO et al: Implant placement and loading protocols in partially edentulous patients: A systematic review. *Clin Oral Implants Res*. 2018; 29 Suppl 16: 106-134.
9. Ghanaati S, Booms P, Orlowska A, Kubesch A, Lorenz J, Rutkowski J, Landes C, Sader R, Kirkpatrick C, Choukroun J. Advanced platelet-rich fibrin: a new concept for cell-based tissue engineering by means of inflammatory cells. *J Oral Implantol*. 2014 Dec;40(6):679-89. doi: 10.1563/aaid-joi-D-14-00138.
10. Kajiwara N, Masaki C, Mukaibo T, Kondo Y, Nakamoto T, Hosokawa R. Soft tissue biological response to zirconia and metal implant abutments compared with natural tooth: microcirculation monitoring as a novel bioindicator. *Implant Dent*. 2015 Feb;24(1):37-41. doi: 10.1097/ID.000000000000167.
11. Lughì V, Sergo V. Low temperature degradation -aging- of zirconia: A critical review of the relevant aspects in dentistry. *Dent Mater*. 2010 Aug;26(8):807-20. doi: 10.1016/j.dental.2010.04.006.

12. Pieralli S, Kohal R J, Jung R E, Vach K, Spies B C. Clinical Outcomes of Zirconia Dental Implants: A Systematic Review. J Dent Res. 2017 Jan;96(1):38-46. doi: 10.1177/0022034516664043. Epub 2016 Oct 1.
13. Tartsch J, Blatz M B. Ceramic Dental Implants: An Overview of Materials, Characteristics, and Application Concepts. Compend Contin Educ Dent. 2022 Sep;43(8):482-488; quiz 489.
14. Rutkowski R, Smeets R, Neuhöffer L, Stolzer C, Strick K, Gosau M, Sehner S, Volz KU, Henningsen A. Success and patient satisfaction of immediately loaded zirconia implants with fixed restorations one year after loading. BMC Oral Health. 2022 May 23;22(1):198. doi: 10.1186/s12903-022-02231-0.
15. Sanz-Sanchez I et al: Clinical efficacy of immediate implant loading protocols compared to conventional loading depending on the type of the restoration: a systematic review. Clin Oral Implants Res. 2015; 26: 964-982.
16. Strub JR et al: Prognosis of immediately loaded implants and their restorations: a systematic literature review. J Oral Rehabil. 2012; 39: 704-717.
17. Schropp L et al: Bone healing and soft tissue contour changes following single-tooth extraction: a clinical and radiographic 12-month prospective study. Int J Periodontics Restorative Dent. 2003; 23: 313-323.
18. Stern A, Green J.: Sinus lift procedures: an overview of current techniques. Dent Clin North Am. 2012 Jan;56(1):219-33, x. doi: 10.1016/j.cden.2011.09.003.PMID: 22117952 Review.
19. Bhalla N, Dym H.: Update on Maxillary Sinus Augmentation. Dent Clin North Am. 2021 Jan;65(1):197-210. doi: 10.1016/j.cden.2020.09.013. Epub 2020 Nov 2.PMID: 33213709