LITERATUR

Keramikimplantate als Ergänzung des Therapiespektrums

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1. Blaschke C, Volz U. Soft and hard tissue response to zirconium dioxide dental implants - a clinical study in man. Neuro Endocrinol Lett 2006;27 (Suppl 1):69–72.

2. Degidi M, Artese L, Franceschini N, Sulpizio S, Piattelli A, Piccirilli M, et al. Matrix metalloproteinases 2, 3, 8, 9, and 13 in the peri-implant soft tissues around titanium and zirconium oxide healing caps. Int J Oral Maxillofac Implants 2013;28:1546–1551.

3. Rothamel D, Ferrari D, Herten M, Schwarz F, Becker J. Biokompatibilität und Hartgewebsintegration einphasiger oberflächenstrukturierter Zirkonoxidimplantate. Eine kombinierte In-vitro- und In-vivo-Studie. Implantologie 2007; 15:405–414.

4. Scarano A, Piattelli M, Caputi S, Favero GA, Piattelli A. Bacterial adhesion on commercially pure titanium and zirconium oxide disks: an in vivo human study. J Periodontol 2004; 75:292–296.

5. Oliva J, Oliva X, Oliva JD. One-year follow-up of first consecutive 100 zirconia dental implants in humans: a comparison of 2 different rough surfaces. Int J Oral Maxillofac Implants 2007; 22:430–435.

6. Payer M, Arnetzl V, Kirmeier R, Koller M, Arnetzl G, Jakse N. Immediate provisional restoration of single-piece zirconia implants: a prospective case series - results after 24 months of clinical function. Clin Oral Implants Res 2013; 24: 569–575.

7. Sperlich M, Bernhardt J, Kohal R. Clinical evaluation of an aluminia-toughened oral implant: 3-year follow-up - soft and hard tissue response. Clin Oral Implants Res 2014; 23:42 (Abstract 105).

8. Grohmann P, Jung R, Steinhart YN, Strub JR, Hämmerle C, Kohal R. Evaluation of a one-piece ceramic implant used for single tooth replacement and three-unit bridge restorations. A prospective cohort clinical trial. Conference Paper European Association for Osseointegration, 2013, October 17-19, Dublin, Ireland.

9. Duske K, Nebe B, Schöne A, Bergemann C, Fischer J. Microstructured zirconia surfaces modulate osteogenic marker genes in human primary osteoblasts. J Mater Sci Mater Med. 2015 Jan; 26(1):5350. doi: 10.1007/s10856-014-5350-x. Epub 2015 Jan 13.

10. Jung R, Grohmann P, Sailer I, Steinhart YN, Fehér A, Hämmerle C, Strub JR, Vach K, Kohal R. Evaluation of a one-piece ceramic implant used for single tooth replacement and three-unit fixed partial dentures. A prospective cohort clinical trial. Clin Oral Implants Res2015. doi: 10.1111/clr.12670. [Epub ahead of print].

11. Just BA, Schöne A, Fischer J. Effect of the Design on the Strength of Ceramic Implants. Conference Paper International Association for Dental Research, 2014, June 25-28, Kapstadt, Südafrika.

12. Fischer J, Schott A, Märtin S.Surface micro-structuring of zirconia dental implants. Clin Oral Implants Res. 2015 Jan 30. doi: 10.1111/clr.12553.

13. Duske K, Nebe B, Schöne A, Bergemann C, Fischer J. Microstructured dental zirconia surfaces stimulate gene expression and cell adhesion of human primary osteoblasts. Conference Paper European Association for Osseointegration, 2014, September 25-27, Rom, Italien.

14. Thoma D, Benic G, Munoz F, Kohal R, Sanz Martin I, González Cantalapiedra A, Hämmerle C, Jung R. Marginal bone-level alterations of loaded zirconia and titanium dental implants: an experimental study in the dog mandible. Clin Oral Implants Res. 2015 Apr 10. doi: 10.1111/clr.12595. [Epub ahead of print].

15. Hermann JS, Buser D, Schenk RK, Schoolfield JD, Cochran DL. Biologic Width around one- and two-piece titanium implants. Clin Oral Implants Res 2001; 12:559–571.

16. Hermann JS, Schoolfield JD, Nummikoski PV, Buser D, Schenk RK, Cochran DL. Crestal bone changes around titanium implants: a methodologic study comparing linear radiographic with histometric measurements. Int J Oral Maxillofac Implants 2001; 16:475–485.

17. Hermann JS, Schoolfield JD, Schenk RK, Buser D, Cochran DL. Influence of the size of the microgap on crestal bone changes around titanium implants. A histometric evaluation of unloaded non-submerged implants in the canine mandible. J Periodontol 2001; 72:1372–1383.