

LITERATUR

Ausgabe: Implantologie Jahrbuch 2019

Thema: Versorgung einer Einzelzahn­lücke im Molarenbereich

Autor: Dr. Elisabeth Jacobi-Gresser

[1] Al-Ahmad A, Wiedmann-Al-Ahmad M, Fackler A, Follo M, Hellwig E, Bächle M, Hannig C, Han JS, Wolkewitz M, Kohal R: In vivo study of the initial bacterial adhesion on different implant materials. *Archives of Oral Biology* 58:1139-47 (2013).

[2] Balmer M, Spies BC, Vach K, Kohal R, Hämmerle CHF, Jung RE: Three-year analysis of zirconia implants used for single-tooth replacement and free-unit fixed dental protheses: A prospective multicenter study *Clin Oral Impl Res* 1-10 (2018).

[3] Bosshardt DD, Chappuis V, Buser D: Osseointegration of titanium, titanium alloy and zirconia dental implants: current knowledge and open questions. *Periodontology* 2000; Vol.73:22-40 (2016).

[4] Cavalcanti AG, Fonseca FT, Zago CD, Brito Junior RB, Franca FM: Efficacy of Gutta-Percha and Polytetrafluoroethylene Tape to Microbiologically Seal the Srew Access Channel of Different Prosthetic Implant Abutments. *Clin Impl Dent Relat Res* 18:778-787 (2016).

[5] Degidi M, Artese L, Scarano A, Piatelli A: Inflammatory Infiltrate, Microvessel Density, Nitric Oxide Synthase Expression, Vascular Endothelial Growth Factor Expression, and Proliferative Activity in Peri-Implant Soft Tissues Around Titanium and Zirconium Oxide Healing Caps. *J Periodontol* 77(1):73-80 (2006).

[6] Einayef B, Lázaro A, Suárez-López Del Amo F, Galindo-Morena P, Wang HL, Gargallo-Albiol F, Hernández-Alfaro F: Zirconia Implants as an Alternative to Titanium: A Systematic Review and Meta-Analysis. *Int J Oral Maxillofac Impl* 32:125-134 (2017).

[7] Gahlert M, Roehling S, Sprecher CM, Kniha H, Milz S, Bormann K: In vivo performance of zirconia and titanium implants: a histomorphometric study in mini pig maxillae. *Clin Oral Impl Res* 23:281-86 (2012).

[8] Hashim D, Cionca N, Courvoisier D, Mombelli A: A systematic review of the clinical survival of zirconia implants. *Clin Oral Invest* 20: 1403-1417 (2016).

[9] Kohal R, Vach K, Balmer M, Butz F, Spies B: Alumina-toughened zirconia oral implants are successful over 5 years. A prospective investigation. Conference paper (2017).

[10] Kohal R, Fross A, Adolfsson E, Bagegni A, Doerken S, Spies BC: Fatigue resistance of a two-piece zirconia oral implant. An investigation in the chewing simulator. *Clin Oral Impl Res* 29 (Suppl. 17) (2018).

- [11] Jacobi-Gresser E, Huesker K, Schütt S: Genetic and immunological markers predict titanium implant failure: a retrospective study. *Int J Oral Maxillofac Surg* 42(4):537-43 (2013).
- [12] Jacobi-Gresser E, Domingo M, Tasat D, Paparella ML, Olmedo DG: Oral Mucosa Response to Zirconia Dental Implants. A Pilot Study. *J Dent Res* 97 (Spec Iss B) (2018).
- [13] Janner S, Gahlert M, Bosshardt DD, Roehling S, Milz S, Higginbottom F, Buser D, Cachran DL: Bone response to functionally loaded, two-piece zirconia implants: A preclinical histometric study. *Clin Oral Impl Res* 1-13 (2017).
- [14] Liñares A, Grize L, Muñoz F, Pippenger BE, Dard M, Domken O, Blanco-Carrión J: Histological assessment of hard and soft tissues surrounding a novel ceramic implant: a pilot study in the minipig. *J Clin Periodontol* 43(6):538-46 (2016).
- [15] Olmedo D, Fernández MM, Guglielmotti MB, Cabrini RL: Macrophages related to dental implant failure. *Impl Dent* 12:75-80 (2003).
- [16] Pettersson M, Kelk P, Belibasakis GN, Bylund D, Molin Thoren M, Johansson A : Titanium ions form particles that activate and execute interleukin-1beta release from lipopolysaccharide-primed macrophages. *J Periodontol Res* 52(1):21-32 (2017).
- [17] Roehling S, Astasov-Frauenhoffer M, Hauser-Gerspach I, Braissant O, Woelfler H, Waltimo T, Kniha H, Gahlert M: In Vitro Biofilm Formation on Titanium and Zirconia Implant Surfaces. *J Periodontol* 88:298-307 (2017).
- [18] Safioti LM, Kosakis GA, Pozhitkov AE, Chung WO, Daubert DM: Increased levels of dissolved titanium are associated with peri-implantitis – a cross-sectional study. *J Periodontol* 88(5):436-442 (2017).
- [19] 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* 75:292-96 (2004).
- [20] Scridhar S, Wilson Jr TG, Palmer KL, Valderrama P, Mathew MT, Prasad S, Jacobs M, Gindri IM, Rodrigues DC: In Vitro Investigation of the Effect of Oral Bacteria in the Surface Oxidation of Dental Implants. *Clin Impl Dent* 17:562-575 (2015).
- [21] Spies BC, Fross A, Adolfsson E, Bagegni A, Doerken S, Kohal R: Stability and aging resistance of a zirconia oral implant using a carbon fiber-reinforced screw for implant-abutment connection. *Dent Mater* doi.org/10.1016/j.dental.2018.08.290 (2018).
- [22] Sterner T, Schütze N, Saxler G, Jakob F, Rader CP: Effects of clinically relevant alumina ceramic, zirconia ceramic and titanium particles of different sizes and concentrations on the TNF-alpha release in a human macrophage cell line. *Biomed Tech.* 49:340-44 (2004).