

Literature

Biological and osseointegration capabilities of a zirconia implant

Dr Saurabh Gupta, India

ceramic implants – international magazine of ceramic implant technology 1/22

1. D. Schwartz-Arad, R. Herzberg, and L. Levin, "Evaluation of long-term implant success," *Journal of Periodontology*, vol. 76, no. 10, pp. 1623–1628, 2005.
2. Derks, Jan, and Cristiano Tomasi. "Peri-implant health and disease. A systematic review of current epidemiology." *Journal of clinical periodontology*, vol. 42, pp. 158-171, 2015.
3. P. Rosen, D. Clem, D. Cochran et al., "Peri-implant mucositis and peri-implantitis: a current understanding of their diagnoses and clinical implications," *Journal of periodontology*, vol. 84, no. 4, pp. 436–443, 2013.
4. M. Sanz and I. L. Chapple, "Clinical research on peri-implant diseases: consensus report of working group 4," *Journal of clinical periodontology*, vol. 39, Supplement 12, pp. 202–206, 2012.
5. L. Canullo, M. Tallarico, S. Radovanovic, B. Delibasic, U. Covani, and M. Rakic, "Distinguishing predictive profiles for patient-based risk assessment and diagnostics of plaque induced, surgically and prosthetically triggered peri-implantitis," *Clinical Oral Implants Research*, vol. 27, no. 10, pp. 1243–1250, 2016.
6. M. Tallarico, L. Canullo, H. Wang, D. Cochran, and S. Meloni, "Classification systems for peri-implantitis: a narrative review with a proposal of a new evidence-based etiology codification," *The International Journal of Oral & Maxillofacial Implants*, vol. 33, no. 4, pp. 871–879, 2018.
7. Montegrotto Group for the Study of Peri-implant Disease, L. Canullo, M. Schlee, W. Wagner, and U. Covani, "International brainstorming meeting on etiologic and risk factors of peri-implantitis, Montegrotto (Padua, Italy), August 2014," *The International Journal of Oral & Maxillofacial Implants*, vol. 30, no. 5, pp. 1093–1104, 2015.
8. T. Fretwurst, K. Nelson, D. P. Tarnow, H. L. Wang, and W. V. Giannobile, "Is metal particle release associated with peri-implant bone destruction? An emerging concept," *Journal of Dental Research*, vol. 97, no. 3, pp. 259–265, 2017.
9. M. Schultzel, C. M. Klein, M. Demirjian, C. Blout, and J. M. Itamura, "Incidence of metal hypersensitivity in orthopedic surgical patients who self-report hypersensitivity history," *The Permanente Journal*, vol. 24, article 19.091, 2019.
10. M. Degidi, L. Artese, A. Scarano, V. Perrotti, P. Gehrke, and A. Piattelli, "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," *Journal of Periodontology*, vol. 77, no. 1, pp. 73–80, 2006.

11. T. Albrektsson, H. Hansson, and B. Ivarsson, "Interface analysis of titanium and zirconium bone implants," *Clinical materials*, vol. 6, no. 2, pp. 97–101, 1985.

12. F. P. Koch, D. Weng, S. Krämer, S. Biesterfeld, A. Jahn-Eimermacher, and W. Wagner, "Osseointegration of one-piece zirconia implants compared with a titanium implant of identical design: a histomorphometric study in the dog," *Clinical Oral Implants Research*, vol. 21, no. 3, pp. 350–356, 2010.

13. Gupta, S. "A recent update on zirconia implants: A literature review." *Dent Implants Dentures* 1.113 (2016): 18-26.

14. Comisso, Ivana, Santiago Arias-Herrera, and Saurabh Gupta. "Zirconium dioxide implants as an alternative to titanium: A systematic review." *Journal of Clinical and Experimental Dentistry* 13.5 (2021): e511.