

## An analysis of dental implant materials with an exclusive focus on zirconia vs. titanium

**Saurabh Gupta**  
Axiss Dental Pvt Ltd., India


The key aim of this study is to present a comprehensive review of literatures on dental implant materials. The study focuses on titanium implants in a conventional manner and the newly introduced and highly popular zirconia implants. Some of the major areas covered under this study are clinical considerations and material science which includes implant materials as well as the impacts of its physical properties on outcomes of the treatment. Titanium is the gold standard for oral implants fabrication in spite of the sensitivity and despite having unclear clinical relevance. The zirconia implants are highly promising but further clinical studies are required. Also, there is a need of further technical

experience and considerations for zirconia implants to lower the mechanical failure incidence.

### Speaker Biography

Saurabh Gupta holds Master's Degree in Oral and Maxillofacial Surgery and has been in surgical practice since 2014. He is also trained in multiple allied surgical disciplines including Implantology and Laser Dentistry. He is involved in cosmetic dentistry including smile design. He has published his papers in various national and international journals, magazines and also writing a chapter for a book on Implantology. Also, he is an Editorial Board Member for many national and international journals. He is a Member of International Academy of Ceramic Implantology (IAOCI) and Academy of Laser Dentistry (ALD). Presently, he is doing a lot of research studies on Ceramic Implantology.

e: saurabh.ravzz@gmail.com

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