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Implants Biomaterials: A Review

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ABSTRACT:

Myriads of materials have been used as biomaterials for dental implants. The success rate of these materials depends on the ability to integrate with the host environment showing morphological compatibility, biological compatibility, and mechanical compatibility to the surrounding tissues. Study of material sciences along with the biomechanical sciences provides optimum design and material concepts for implants. In attempt to replace a missing tooth many biomaterials have been evolved as implants for many years in an attempt to create an optimum interaction between the body and the implant material. With all the advances and developments in the science and technology, the materials available for dental implants have also been improved. Every dentist should have a thorough knowledge about the different biomaterials used for the dental implants. This article makes an attempt to summarize various dental biomaterials which were used in the past and as well as the present material used now

Keywords: Biomaterials, Titanium, Ceramic, Zirconia

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