



materials



Special Issue Reprint

Dental Implant Materials 2019

www.mdpi.com/books/reprint/3503

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ISBN 978-3-0365-0416-2 (Hardback)

ISBN 978-3-0365-0417-9 (PDF)



Dental implant materials are advancing in the fusion of various scientific fields. Surface modification technologies for implants have been applied to titanium at the micro-level for about four decades. Now, implant surfaces are being topographically and chemically modified at both the micro- and nano-level. The modification techniques are altering other metals and ceramics, making these materials more biocompatible. Materials for abutments in dental implant systems appear to depend on implant–abutment connection structures. Biomechanical factors, such as friction and preload, influence the development of the abutment materials. Additionally, the surfaces of the abutment materials are important in the soft-tissue attachment, which is being actively investigated. As dental implants have to be functional in human bodies for a long time, numerous materials are being clinically tested as implant-supported restorations. The Special Issue, “Dental Implant Materials 2019”, introduces the creative works of scientists on the current advancements in the field of materials for implant dentistry.



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