



Implant and Graft Interactions with Hard and Soft Tissues

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Message from the Guest Editors

The interaction between implanted materials and the bone/soft tissue complex is the new frontier of implant dentistry. This observation arises from the increased numbers of critical patients in whom the traditional protocols and the traditional materials might result in partial success, if not failure. Traditional dental implant approaches and materials have been demonstrated to have an impressive success rate in the healthy patient population. However, the extension of life of the global population and the consequent increased requests for these procedures, even in older and generally impacted patients, expose the clinician to failures.

A complete knowledge of the biomolecular exchanges and biophysics behind implant insertion or bone regeneration procedures could help industries to develop more advanced surgical tools and materials. From a practical standpoint, this might support clinicians in procedure improvement, making every surgical and prosthetic step more predictable, even in critical cases.

The aim of this Special Issue is to investigate the biological background of implant and graft materials interactions with bone through molecular science.





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Message from the Editor-in-Chief

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