



Current Trends in Bone Augmentation Techniques and Dental Implantology

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Message from the Guest Editors

The use of dental implants is a routine procedure with predictable outcomes in modern dentistry. Often, alveolar ridge defects do not allow a predictable and driven implant placement.

Different therapeutic options have been described to reconstruct these defects. GBR, among all these, seems to improve the predictability of bone augmentation and provides long-term stability to the newly augmented site.

One of the most challenging aspects is related to the healing phase, especially when associated to early exposures of the membranes or the titanium meshes; thus, efforts, aside from correct surgical management, are currently focused on finding the best materials for correct biological integration and instruments/devices which may improve the healing period.

In addition to this important timing, the prosthetic plan also plays a strategic role, and current trends on digital techniques are able to minimize the risks related to the manual phase of the impression and the technical workflow.

The aim of this Special Issue is to highlight recent advances in the context of diagnosis, treatment, and the prediction of prognosis for various bone augmentation techniques and their healing.





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