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ORAL

3D bone grafting techniques in reconstruction of atrophic alveolar ridge in combination with implant placement

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Abstract

So far, atrophic alveolar ridge defect has been remained a big challenge for implant surgeons. Correct technique indication and proper material selection plays an important role for the long term success and further complications prevention. Numerous donor site for bone reconstruction prior and during implant placement have been proposed such as autogenous, homogenous allogenous or synthetic marterial. Among them, autologous graft is considered the "gold standard" as it meet three factors for the bone augmentation's success due to its osteogenic, osteoinductive, and osteoconductive properties that others donor site could not obtain.

In this report, we would like to present the clinical results, the advantages and disadvantages, as well as the complications of different 3D bone grafting techniques and materials in reconstruction of severely atrophic maxilla and mandible in implant rehabilitation.

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