
vertical ridge augmentation of atrophic posterior mandible using an inlay technique with a xenograft without miniscrews and miniplates: case series.

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abstract.

background. rehabilitation of partially or totally edentulous posterior mandible with implant-supported prosthesis has become a common practice in the last few decades, with reliable long-term results. the use of miniscrews and miniplates has been reported to increase the risk of fracture of the osteotomy segments. the purpose of this case series was to use an inlay technique, without the use of miniscrews and miniplates for stabilization of the transported bone fragments.

materials and methods. nine consecutive patients (six men and three women) aged between 26 and 51 years (mean 44 years) were enrolled in this study. a horizontal osteotomy was performed 2-3 mm above the mandibular canal, and two oblique cuts were made using a piezosurgery device. the final phase of the osteotomy was performed with chisels. the osteotomized segment was then raised in the coronal direction, sparing the lingual periostio. two miniblocks of xenograft without miniplates: case series.

results. the postoperative course was uneventful in seven of the nine patients. no dehiscence of the mucosa was observed at the marginal ridge of the mobilized fragment.


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