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ABSTRACT BOOK



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Alveolar bone grafting with chin bone in cleft and lip palate

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Background: Although chin bone has been consolidated as a good option as donor site for alveolar bone grafting in cleft lip and palate patients, only during the past two years we tried to use it in our practice, based on Borstlap papers.

Aims: This study intended to compare the success index of alveolar bone grafting in cleft lip and palate patients with chin bone, iliac crest bone and recombinant human bone morphogenetic protein (rhBMP-2), as donor sites.

Methods: Two hundred and forty unilateral cleft lip and palate patients were submitted to alveolar bone grafting surgery during their rehabilitation course. Each eighty of them were selected from a period of time according to the donor site: cancellous bone from iliac crest (gold standard), rhBMP-2, and, most recently, chin bone.

The results were evaluated through periapical radiographs from cleft area.

Results: The images were analysed by three judges using Chelsea scale and showed very similar and good results, when consider interdental septum height.

Summary/Conclusion: Although harvesting chin bone is not an easy task sometimes, new bone formation in alveolar grafting has showed very good results to bone bridge.