

Modified technique for harvesting anterior iliac crest bone graft for maxillary and mandibular reconstruction

Kayvan FATHIMANI *, Chun P. CHO, Arman YAZDAN, Rawle PHILBERT

Department of Oral and Maxillofacial Surgery, Lincoln Medical and Mental Health Center, Weill Cornell Medical College, New York, NY, USA

*Corresponding author: Kayvan Fathimani, Department of Oral and Maxillofacial Surgery, Lincoln Medical and Mental Health Center, Weill Cornell Medical College, 234E 149th St, Suite 2A8, New York, NY 10451, USA.

ABSTRACT

Autogenous anterior iliac crest bone grafting (AICBG) has been routinely utilized for reconstruction of maxillofacial defects, particularly in trauma and pathology.^{1,2} Major benefits include harvesting high volumes of autogenous cancellous and cortical bone with very low surgical risks. There's been reports of transitory complications; however, a wide range of patients recover expeditiously and transition to having a smooth recovery with good esthetic outcomes.³ Harvesting time can range typically from 60-90 minutes and utilization of a secondary harvesting surgical team can decrease overall operating time. There has been techniques describing a segmental approach using the posterior hip⁴; however, our technique is unique in segmentalizing the anterior iliac crest, which is a more commonly used approach. We present a modified technique to harvesting anterior iliac crest bone grafts that have decreased overall reconstruction time and allowed for a more efficient and technique friendly method to reconstruct maxillofacial defects.

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