



An Innovative Sinus Augmentation Technique for the Atrophic Posterior Maxilla – Two Case Reports

Soma Fukui, Alejandra Sabater, Klenise Paranhos, Stuart J Froum, Sang-Choon Cho, Leena Palomo

Ashman Department of Periodontology and Implant Dentistry New York University College of Dentistry



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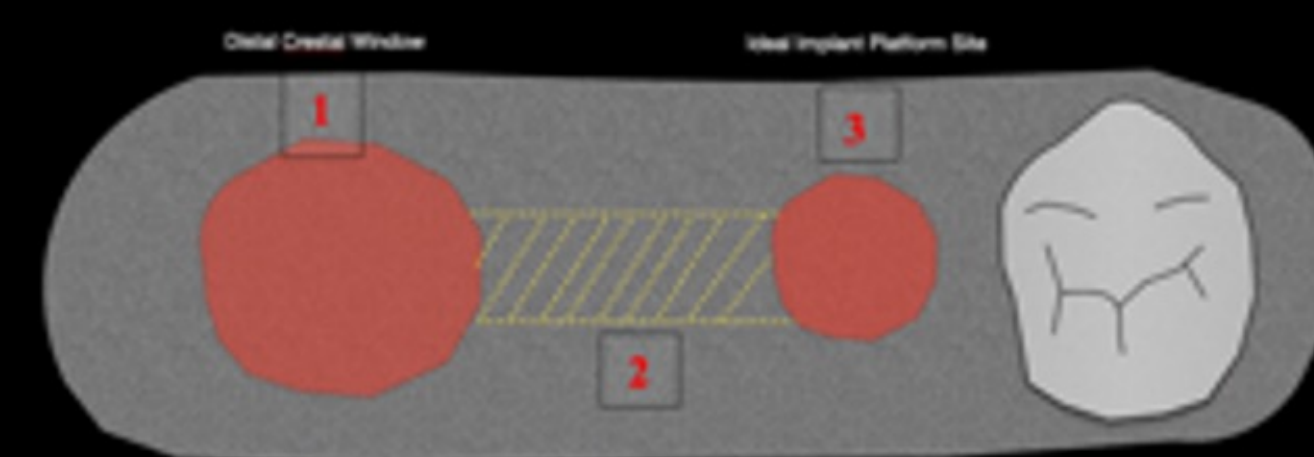


Maxillary sinus augmentation has been extensively documented as a predictable bone augmentation procedure for restoring missing dentition in severely resorbed posterior maxillary arches. This procedure has been widely performed for gaining a predictable increase in bone height, which is necessary for successful endosseous dental implant placement. The purpose of this presentation is to

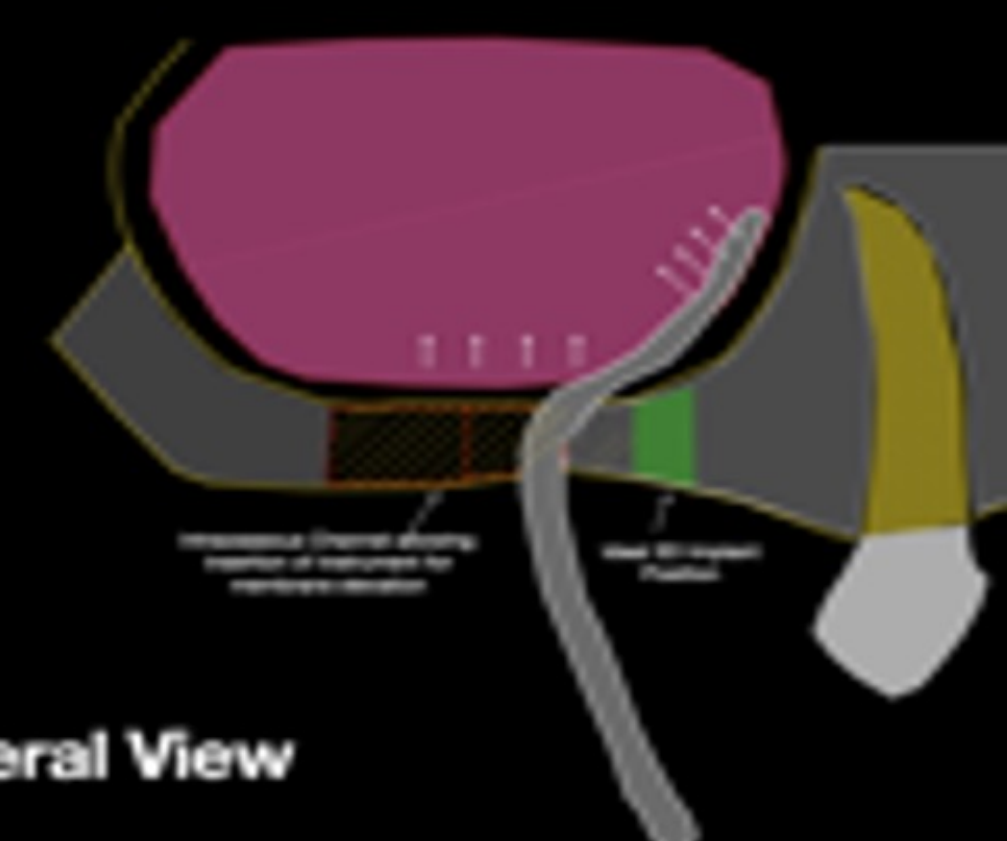
introduce an alternative surgical crestal sinus augmentation approach in the posterior maxilla. This technique is useful in cases where there is a wide diameter intraosseous maxillary artery in close proximity to the maxillary sinus lateral wall, preexisting crestal opening due to a failed dental implant, or when the lateral sinus wall is too thick to use a maxillary lateral window approach.

Advantages	Disadvantages	Limitations
<ul style="list-style-type: none">Better accessibility for instrumentationLess surgical morbidityUtilizing pre-existing crestal opening	<ul style="list-style-type: none">Need enough mesiodistal distance for interosseous channel (> 12 mm)	<ul style="list-style-type: none">Required alveolar bone height is less than 4 mmRequires good accessibility

Occlusal View



Lateral View



Lateral View

