



Crestal lift and implant placement: Piezo-surgery and PRP approach

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Abstract:

Introduction: Insufficient bone volume is a common problem occurring during the rehabilitation of the edentulous posterior maxilla with implant supported prostheses. The bone available for implant placement may be limited by the presence of the maxillary sinus together with loss of alveolar bone height and it may be increased by augmentation. **Case Description:** This case report presents the rehabilitation of the right maxillary molar region using crestal lift followed by immediate placement by using Piezosurgery. It helps in reducing the treatment time and increases the patient comfort. Recently, several clinical studies have been performed to evaluate the use of Platelet-rich Plasma (PRP) in maxillary sinus augmentation. **Discussion:** Aim of this case report is to evaluate surgical procedure of sinus lifting associated with PRP use and Piezosurgical technique to elevate schneiderian membrane before implant positioning and intrasinus bone augmentation procedures. **Conclusion/Clinical Significance:** Our conclusion is that piezosurgery and platelet rich plasma can make sinus lift procedure safer with a slightly faster recovery time. However, it remains a good alternative (worldwide recognized by results) to other procedure only for skilled Practitioner if performed after scheduling a seriously therapeutic programme. Inclusion criteria, procedural steps and healing time must be strictly observed. Overall, results encourage us to follow chosen scheme for the future.



Biography:

Srikanth Narkedamalli is a trained general dentist with 11 years' experience in Implant Dentistry. Dr. Srikanth is an expert in Implantology and Digital smile design. He is certified Implantologist from Department of Health, Abu Dhabi. Dr. Srikanth's expertise includes, but is not limited to nonsurgical/surgical extractions, Implant placement and restoration, bone grafts, direct and indirect sinus lifts, crowns, bridges and general oral maintenance. Dr. Srikanth attended Dr. NTR University, School of Dental Medicine in India and received Gold medal in the final year of BDS for being topper of the institute. He also received an Advanced Education in Implant Dentistry certificate Maxicourse from American Academy of Implant Dentistry. He is a Fellow of the International Congress of Oral Implantologists (Germany) and Fellow of Indian society of oral Implantologists. He's a Member of American Dental Association, Member of AAID and has delivered lecture and case presentation on Implants at San Francisco, California USA.

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