

International Conference on

ORAL HEALTH AND DENTAL MEDICINE

November 29-30, 2018 Bali, Indonesia

Sinus augmentation: Emerging perspectives**Komal S Thawrani**

Baroda Dental Hospital, Uganda

Aim: The present study was undertaken to evaluate the effectiveness of maxillary sinus augmentation using lateral approach with simultaneously placed two stage implants.

Method and Materials: Sinus augmentation procedure was performed in 14 patients using decalcified freeze-dried bone allograft (DFDBA) block with simultaneous placement of one implant in each patient using piezo surgical device. Radiographic evaluations using OPG and DVT Scan were performed pre-operatively, after implant placement and at 6 months post-operatively. Clinical parameters recorded around implant were plaque index, bleeding index, probing measurement and Clinical implant mobility at 6 months postoperatively and 3 months after final prosthesis.

Results: No complications were observed during the 9 months follow-up period. The mean pre-operative residual bone height was 7.096 ± 2.11 mm. At 6 months the mean post-operative bone height was 16.58 ± 1.61 mm with a range of 13.02mm to 18.56mm resulting in mean gain of bone height of 9.60 ± 2.35 (0.000, S) with a range of 4.20mm to 12.97mm. The measurement of the crestal bone levels indicated minimum bone loss during observation period with no episodes of peri-mucositis or peri-implantitis.

Conclusion: Sinus augmentation using decalcified freeze-dried bone allograft (DFDBA) block as a space filler was found to be an effective and safe procedure allowing high survival rates of implants placed in the posterior maxilla.

Biography

Komal S Thawrani is a graduate from the prestigious Dr. D.Y. Patil university Mumbai, India, has completed her M.D.S. in Periodontology & Oral Implantology from DMIMS Wardha, India. She is a gold medalist & holds clinical expertise in sinus augmentation procedures as well as advanced implantology. Apart from this she also has keen interest in research work & has various articles published to her credit. Currently she owns the Dr. Thawrani's super specialty dental & implant center in Ujjain, India. She is also a consultant Periodontist & Implantologist at Baroda dental hospital in Kampala, Uganda.

komaldharsiyani@gmail.com

Notes: