

Pedicle Buccal Fat Pad in the Treatment of Class II and Class III Gingival Recession Defects of Maxillary Posterior Teeth –A Clinical Study

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Background: Buccal fat pad (BFP) is a specialized vascular tissue adequately present in buccal space and is close to the maxillary posterior quadrant. The aim of this clinical study was to evaluate the utility of pedicle buccal fat pad (PBFP) in the treatment of class II and III gingival recession.

Methodology: Ten systemically healthy patients with age ranging from 35-55 years with class II and class III gingival recession in the maxillary molars were selected. Prior to the surgical phase, patients were enrolled in a strict maintenance program including oral hygiene instructions and scaling and root planing. A horizontal incision of 1-1.5cm was made in the buccal sulcus of the maxillary molar region; buccinator muscle was separated bluntly to expose the BFP. The fat was then teased out from its bed and spread to cover defects adequately. It was then secured and sutured without tension. Clinical parameters probing depth (PD), Recession width (RW), Recession length (RL), Keratinized width of gingiva (KGW) were recorded at baseline and at 6 months post-operatively and weekly assessment was done at 1week, 2weeks, 3weeks and after 4 weeks for observations during the post-operative healing.

Results: Treated recession defects healed successfully without any significant post operative complications. Percentage of root coverage average was 89.3%. There was statistically significant decrease in the width and depth of recession.

Conclusion: Pedicle buccal fat showed promising results as the treatment modality in the management of class II and class III gingival recession of maxillary posterior teeth.

Biography:

Dr. Deepa D has completed her BDS from College of dental sciences, Davangere, Kuvempu University in 1998 and Masters of Dental Surgery in the speciality of Periodontology from Bapuji Dental College and hospital, Davangere, Rajiv Gandhi University of Health sciences, Karnataka, India. She is presently working as Professor in Periodontology at Subharti University, India. She has worked as co-investigator for World Health Organisation research project in 2006-2007 at Bapuji dental college and hospital. She is an active academician and has published 83 papers in national and international journals and has been serving as reviewer in journals of repute. Have 18 scientific presentations at National and 3 at international conferences at Dubai, Kuala Lumpur, Malaysia. Awarded –Best scientific presentation at the National evidence based dentistry conference, Gujarat, India and also National awards three times for essay competition during 2003, 2008 and 2016 organised by Indian Society of Periodontology. In 2016 she was an Organizing Committee member for the 2nd World Congress on Dental Research, Kuala Lumpur, Malaysia, where she was a keynote speaker. Invited guest speaker at academic events and recently at 42nd National conference of Indian Society of Periodontology held at Kolkata, 24th to 26th November 2017. She is also a life member of reputed speciality organisations of Periodontology and Implantology.