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Perio- Aesthetic Rejuvenation- A Case Series

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Denuded root surfaces especially in the maxillary anterior region pose a significant aesthetic problem; hence predictable coverage of denuded roots has been one of the important goals of periodontal therapy. The aim of this case series was to evaluate the effectiveness of Acellular Dermal Matrix Allograft (ADMA) and Subepithelial Connective Tissue Graft (SCTG) in combination with Coronally Positioned Flap (CPF) in the treatment of Miller's class I and II multiple gingival recession in aesthetic areas. A total of 10 patients aged between 18 to 40 years were selected for this study, meeting all the criteria for inclusion. Five patients were treated with ADMA and 5 patients with SCTG in combination with CPF. Various clinical parameters were assessed viz. probing pocket depth (PPD), clinical attachment level (CAL), gingival recession height (RH), width of keratinized gingiva (WKG) at baseline and 6 months after surgery. The results of the study suggest that the combination of both subepithelial connective tissue graft and acellular dermal matrix graft with a coronally positioned flap can produce equivalent amount aesthetic root coverage. The most obvious advantage of acellular dermal matrix graft is that a second surgical area is avoided and the amount of material is not limited compared to the limited amount of connective tissue harvested from the palate thus allowing the treatment of multiple defects.

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