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THE APPLICATION OF HUMAN AMNIOTIC MEMBRANES FOR SOFT TISSUE REPAIR IN ORAL CAVITY

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SUMMARY

Pigmentation is the condition of normal and abnormal discoloration of oral mucous membrane. Although clinically melanin pigmentation of the gingiva does not present any medical problems it can be an esthetic concern for the patient. Another cases which cause lost of periodontium tissue in gingiva is chronic inflammatory in periodontal diseases. Periodontal reconstructive surgery is needed to restore these defects. One of among various modalities that have been used to treat this condition is using the amniotic membrane that has many potential effects in tissue regeneration. This review showed several cases in oral cavity that using irradiated preserved amniotic membrane to treat the disease.

Six cases of gingival depigmentation, 5 cases of gingival recession cause of periodontal disease and 5 cases of post dental extraction related to their complication within the mucosa or alveolar socket such as gingival cleft or bone defect. All of cases compared to the similar cases that without amniotic membrane. Parameters observed were clinical and radiological healing. The clinically evaluation performed in 1, 2 and 4 weeks and radiological examination was evaluated in 1 and 3 months. Histopathological examination also conducted in some cases of alveolar socket post dental extraction.

Periodontal healing of all various cases using amniotic membrane provide excellent results in clinical, radiological and histopathological evaluation. Amniotic membrane is a potential biomaterial in dentistry to regenerate periodontal tissue and accelerate healing.