

R-18. Effects of mixture of fibrin-fibronectin sealant system and calcium carbonate in periodontal intrabony defects

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연구배경

The ultimate goal of periodontal therapy is the regeneration of periodontal tissue that has been lost due to destructive periodontal disease. The purpose of this study is to evaluate the effect of fibrin-fibronectin sealant system and calcium carbonate on the regeneration of periodontal bony defect in the human.

연구재료 및 방법

This study evaluated above materials for periodontal regeneration of 6mm intrabony defects in 36 patients. Flap surgery was carried in 14 defects of control group. Experimental group 1 was 11 defects which were grafted with calcium carbonate, experimental group 2 was 11 defects which were grafted with calcium carbonate with fibrin-fibronectin sealant system. The clinical parameters evaluated included changes in attachment level, probing depth, gingival recession at 6 months.

연구결과

All of the control and experimental groups resulted in a statistically significant reduction from baseline. The reduction of the experimental groups were statistically significant from the control. But the change between experimental group 1 and experimental group 2 was not statistically significant.

결론

The mixture of calcium carbonate and fibrin-fibronectin sealant system is effective to periodontal regeneration in intrabony defect.