

SCIENCE FLASH

COMPARISON OF RESSION DEFECTS TREATED WITH CORONALLY ADVANCED FLAPS AND EITHER EMDOGAIN™¹ OR CONNECTIVE TISSUE: 10 YEARS

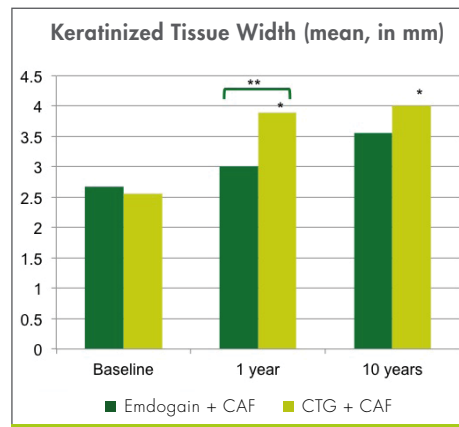
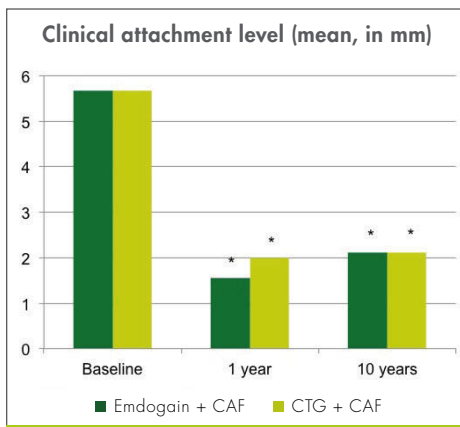
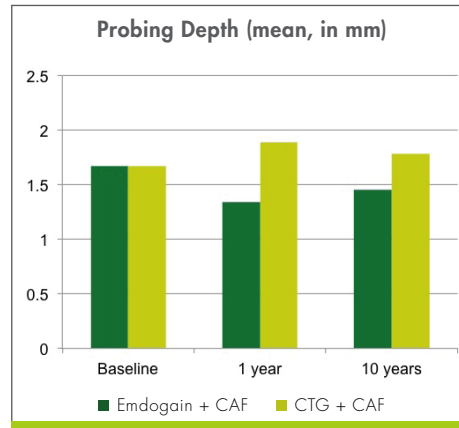
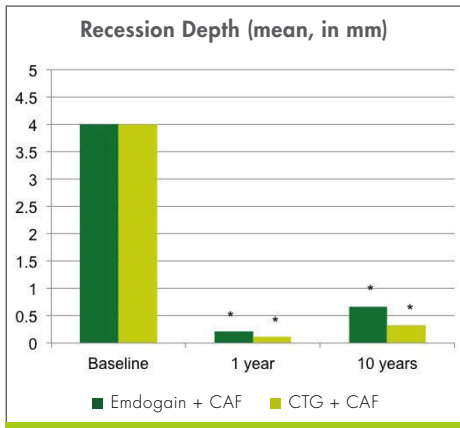
Scientific source

McGuire MK, Scheyer ET, Nunn M. Evaluation of human recession defects treated with coronally advanced flaps and either enamel matrix derivative or connective tissue: comparison of clinical parameters at 10 years. J Periodontol. 2012;83:1353-1362.

Study design

- Randomized, controlled, split-mouth, single-center study
- Nine patients with Miller Class I and II recession defects on incisors/premolars at 10 years (17 patients in original study)
- Baseline recession depth ≥ 4 mm with ≤ 2.5 mm keratinized tissue

Results



Conclusions and Observations

- Both treatments showed stable, long-term, clinically effective outcomes for the treatment of Miller Class I and II recession defects
- Both treatments showed improvements in the measured clinical parameters up to 10 years
- Emdogain + CAF showed no significant difference from CTG + CAF for measured parameters at 10 years
- Any differences in keratinized tissue between treatment modalities observed at 1 year were negated at 10 years
- Patient satisfaction with the treatment was higher for Emdogain and two thirds of patients would choose Emdogain to avoid a secondary harvesting procedure (not statistically significant)

* Significant difference from baseline

** Significant difference between Emdogain + CAF and CTG + CAF Values in figures show mean actual levels at each time point

¹ Emdogain = Enamel Matrix Derivative + PGA carrier (Propylene Glycol Alginate)