

PERIODONTAL REGENERATION WITH AND WITHOUT ENDODONTIC TREATMENT: A COMPARATIVE STUDY

SWARGA JYOTI DAS & SNEHA MEHRA

Department of Periodontics and Implantology, Regional Dental College, Guwahati, Assam, India

ABSTRACT

It is frequently considered that the endodontic treatment have an effect on the periodontal regeneration. However, contradictory conclusions have been drawn by various investigators, thus it remains doubtful. Considering this, the present study was carried out to evaluate the periodontal regeneration with and without endodontic treatment involving 36 sites, comprising control (n=18, received only open flap debridement) and case sites (n=18, received combined open flap debridement and endodontic therapy) in 12 subjects having at least 2 sites of periodontal defects. Gingival index, probing pocket depth, clinical attachment levels were assessed clinically, while bony defects were assessed radiographically. All the parameters were recorded on day 0 (baseline) and at the end of 3 and 6 months postsurgically. Significant improvement was observed in all the parameters in the case sites compared to that of control sites, except gingival health which showed no difference. This may suggest a positive influence of endodontic treatment on the outcome of periodontal therapy.

KEYWORDS: Regeneration, Probing Pocket Depth, Gingival Index, Endodontic Treatment, Flap