

DIFFERENTIAL CLINICAL EFFECTS OF CHLORHEXIDINE GELS ON PATIENTS UNDERGOING ORTHODONTIC TREATMENT

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Key words: chlorhexidine, plaque control, orthodontic treatment, gingival inflammation

initial phase of the inflammatory process concerning the gingival tissue.

OBJECTIVES AND BACKGROUND

This study aims to evaluate and compare the clinical effects on gingival inflammation and plaque control using 0.2% chlorhexidine gluconate gel with 0.1% chlorhexidine digluconate gel in patients undergoing orthodontic treatment.

MATERIALS AND METHODS

Twenty six patients aged between 20 and 30 years receiving fixed appliance orthodontic treatment in private practice, were selected for this study. Patients were split in two groups. The first group received a subgingival application of 10 ml 0.2% chlorhexidine gluconate gel (Glucosite, CerKamed). Subjects in the second group received a subgingival application of 10 ml 0.1% chlorhexidine digluconate gel (RxPerioflush, Dental Life Sciences).

RESULTS

The results of the present study seem to support the results of previous scientific studies where chlorhexidine gluconate was used in a similar population

CONCLUSIONS

Within the limits of this study, we showed that usage of chlorhexidine gels in patients undergoing orthodontic treatment reduce PI, GI and BOP and PD, but no significant difference was observed, except for the

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