Characterization of Enamel Surface After Orthodontic Brackets Debonding: An In Vitro Study

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Materials and Methods

Introduction

The use of adhesive composites for orthodontic attachments bonding to enamel has become routine clinical practice. Since mechanical removal of remaining adhesive can induce enamel surface damage, the search for an efficient and safe method has resulted in a wide array of instruments for this procedure. The aim of this study is to characterize the effects on enamel surface of three different adhesive-removal methods, after bracket debonding.

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Conclusions

Although none of the three methods proved capable of removing all remnant adhesive after bracket debonding, Sof-Lex™ polishing discs had the best results in terms of homogeneity and scratch size.

References


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