Effects of Alternation of Primers and Adhesive Resins on Shear Bond Strength of Orthodontic Brackets

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Abstract

This study evaluated the shear bond strength of metal orthodontic brackets bonded to enamel surfaces using two common brands of light-cured bonding systems (Transbond™ XT and Enlight®) and the effects of alternation of the primers and adhesive resins. One hundred and twenty extracted premolar teeth were randomly divided into four groups of 30. The teeth were pumiced, rinsed and air dried. Four bonding approaches were planned. The first and the fourth bonding approaches used the primers and the adhesive resins from each brand respectively.

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