

عنوان مقاله:

One-Year Clinical Comparison of Survival of Endodontically Treated Premolar Restored with Different Direct Restoration Technique: A Prospective Cohort Study

محل انتشار:

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خلاصه مقاله:

Background: Endodontically treated teeth need to be restored in a manner to provide protection for the remaining tooth structure but would also allow the restoration of esthetic and functional demands. Objectives: This study evaluates the clinical success rate of endodontically treated premolars restored with different techniques. Methods: In this study, 96 participants were included with indication of endodontic treatment of one maxillary or mandibular premolar. Only cases with premolars along with MOD Class II carious lesions and preserved cusp structure were recruited. After endodontic treatment subjects were randomly assigned to one of the following restoration methods: (1) composite restoration without any cusp reduction (2) Composite associated with a fiber reinforced composite (FRC) post (3) capping the buccal and lingual cusp and composite restoration. Subjects were recalled for the clinical and radiographical evaluations with modified USPHS criteria after three, six and 12 months. Results: During the evaluation period, all the three methods of restoration, achieved the Alpha degree in term of modified USPHS criteria. Conclusions: The clinical success rates of endodontically treated premolars restored with fiber posts and direct composite restorations, direct composite restorations with cusp capping and simple direct composite restoration were perfect after one year of follow up evaluation.

کلمات کلیدی:

Cusp Capping, Direct Composite Restoration, Endodontically Treated Premolar, FRC Post

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