

- **Clinical evaluation of a self-etch adhesive with and without acid etching in non- carious cervical lesions. *Alex. Dent. J. April 2006.***

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Summary Objectives: To evaluate the clinical performance of a self-etching adhesive in Class V non carious lesions with and without acid etching procedures.

Methods: A total of 125 Class V non carious cervical lesion (NCCL) with incisal margins in enamel and gingival margins in cementum were selected and restored with Clearfil SE bond self-etch adhesive and resin composite Clearfil APX. Restorations were made using two techniques; after etching the whole cavity for 20 seconds and without acid etching (control). The restorations were evaluated at baseline, 1- and 2-year using modified USPHS criteria.

Results: No loss of restorations was recorded after one and two year for the two restorative techniques. There was no significant difference between the baseline and 2-year results for any of the tested technique. However, restorations made after acid etching showed less marginal discoloration at the enamel margins.

Conclusion: The clinical performance of Clearfil SE bond was excellent after 2 years. Acid etching did not improve the overall quality of the restorations, but displayed less marginal discoloration.

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