

Wetting capacity of different resin composites to Class I internal wall

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A matter of great relevance to the success of composite resin restorations relates to the perfect wetting of the preparation walls in order to provide adequate sealing and avoid problems such as postoperative sensitivity and micro leakage, among others. The aim of this study is to evaluate resin composites of different viscosities (conventional, bulk fill and flowable) in relation to their ability to wet and adapt to cavity walls. Standard 3mm x 3mm x 3mm cubic cavities were performed in bovine teeth and restored according to the indicated technique. A copy of each cavity was performed prior to restoration using addition silicone as a control of wetting capacity. With the restorations completed, the teeth

were subjected to demineralization of their structure, which resulted in a gell consistency of the bovine dental element, allowing the complete detachment of the restoration for its evaluation. The specimens were evaluated with the aid of a 3D profilometer and stereoscopic magnifying loupe. A better performance of bulk fill flow resin was observed among the studied groups. The study in question suggests that the viscosity of restorative resin composites interferes with their ability to wet and adapt to cavity walls.

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