

## A Cost-effective Alternative for Handling All-ceramic Restoration During Evaluation and Cementation Procedures

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Inlay, onlay and porcelain restorations are widely used for esthetic restorative treatments [1]. The evaluation of the restoration fit and the cementation procedure of these types of restorations are a challenge due to its fragile, thin thickness causing difficulty in handling [2,3]. Dental sticky tip devices (Oprastick; Ivoclar Vivadent) have been developed to solve these troubles [3]. However, the current article describes a cost-effective alternative for handling all-ceramic restoration using a microbrush tip and light-curing resin for gingival barrier.

### Procedure

Apply the light-curing resin for gingival barrier outer surface of

the all-ceramic restoration (Figure 1A).

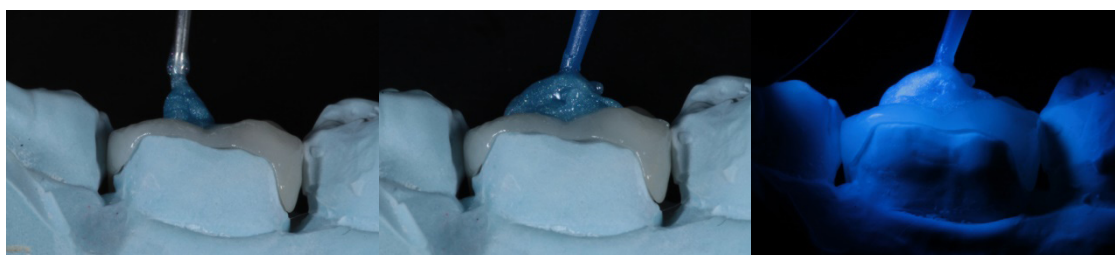
Obtain a regular size microbrush disposable applicator (Microbrush, Grafton, WI) and place it into the light-curing resin for gingival barrier (Figure 1B).

Polymerize the assembly for 30 seconds using a LED light-curing unit to transfer the all-ceramic restoration (Figures 1C and 2A).

Place the restoration in the tooth to assess its marginal fit (Figure 2B).

Also, use this device to perform the surface treatment of the ceramic steps (Figures 2C and 2D).

Detach the device with lateral movement.



**Figure 1:** A) Applying the light-curing resin for gingival barrier outer occlusal surface of all-ceramic restoration; B) Microbrush with the light-curing resin before the light polymerization; C) Light polymerization of the material with the microbrush



**Figure 2:** A) Transferred with modified microbrush; B) Seated restoration with the modified microbrush; C) Application of the device to perform the surface treatment of the ceramic

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