

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

Victor Eduardo de Souza Batista

Doctoral student, Department of Dental Materials and Prosthodontics, Araçatuba Dental School, UNESP - Univ Estadual Paulista, Araçatuba, Brazil

***Corresponding author:** Dr. Victor Eduardo de Souza Batista, Department of Dental Materials and Prosthodontics, UNESP - Univ Estadual Paulista, Araçatuba, São Paulo, Brazil. José Bonifácio St, 1193, Araçatuba, São Paulo 16015-050, Brazil; Tel: +55-18981395009; E mail: victor_edsb@hotmail.com or victoredsb@gmail.com or victor_edsb@icloud.com

Article Type: Short Communication, **Submission Date:** 22 September 2017, **Accepted Date:** 06 October 2017, **Published Date:** 05 January 2018.

Citation: de Souza Batista, VE (2018) A Cost-effective Alternative for Handling All-ceramic Restoration During Evaluation and Cementation Procedures. J. Dent. Sci. Ther 2(1): 10-11.

Copyright: © 2018 de Souza Batista, VE. This is an open-access article distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.

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.

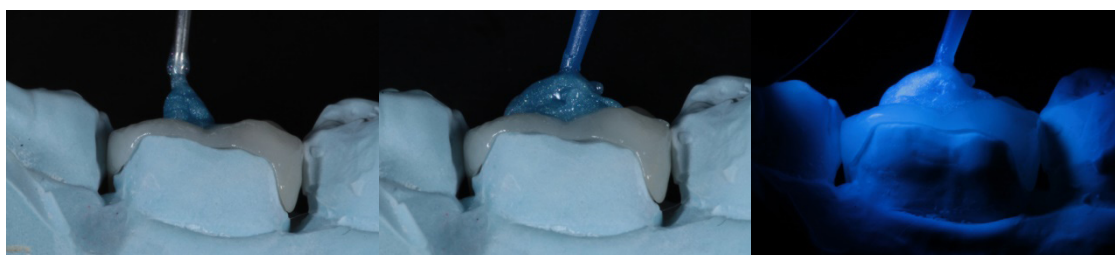


Figure 1: A) Applying the light-curing resin for gingival barrier outer occlusal surface of all-ceramic restoration; B) Microbrush with the light-curing resin before the light polymerization; C) Light polymerization of the material with the microbrush



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

Reference

1. Marchionatti AM, Wandscher VF, May MM, Bottino MA, May LG. Color stability of ceramic laminate veneers cemented with light-polymerizing and dual-polymerizing luting agent: A split-mouth randomized clinical trial. *J Prosthet Dent.* 2017; 118(5):604-610. doi: 10.1016/j.prosdent.2016.11.013.
2. Jogad N, Patil PG, Gade V, Patil S. Alternative technique for handling indirect restorations during evaluation and cementation. *J Prosthet Dent.* 2015; 114(3):458-459. doi: 10.1016/j.prosdent.2015.04.005.
3. Kursoglu P, Motro PF. An alternative method for cementing laminate restorations with a micropulse toothbrush. *J Prosthet Dent.* 2014; 112(6):1595-1596. doi: 10.1016/j.prosdent.2014.05.023.