A precise implant impression is essential for the passive fit of an implant superstructure. Although digital impressions are becoming more popular, conventional impression techniques are still frequently used. A direct (pick-up) open tray impression technique uses a guide pin. When an implant is deeply placed, the guide pin may not extend through the hole of the open tray. Therefore, wiping off excessive impression materials through the hole with a gloved finger may be necessary. However, this is messy, and the gloves may inhibit the polymerization of polyvinyl siloxane materials. Moreover, once an impression material polymerizes, accessing the guide pin may become difficult. To solve this problem, a cotton swab extension slightly larger than a guide pin’s screw hole has been suggested. However, the adjustment of the swab tip with a surgical blade is complicated. This article presents a time-saving technique to extend the guide pin with an endodontic material that is plastic, compact, and solid.

**PROCEDURE**

1. Make the 1.4-mm tip diameter of a standardized gutta percha cone (Dia-ProISO. 06 40 Plus; Diadent) with a gutta percha cone gauge (gauge for gutta-percha-points; Dentsply Maillefer) and a surgical blade (no. 11; Paragon) (Fig. 1).
2. Insert the sectioned gutta percha cone into the guide pin’s screw hole. If the gutta percha cone is...
not tightly engaged in the screw hole, section the cone slightly to increase its diameter. Apply warm gutta percha to the lateral surface of the gutta percha cone with a heated gutta percha delivery system (Obtura III MAX; Obtura Spartan). During the semirigid stage, mold this mass to fabricate the gutta percha extension larger than the guide pin for easy removal of the guide pin from the definitive impression (Fig. 2).

3. Secure an impression coping into the implant. Insert the extension into the guide pin and make the impression (Fig. 3).  

REFERENCES


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