



Clinical Guidelines: **FROM THE BENCH**

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Fabricating A Crown Under An Existing Partial- *Using An Index*

When a tooth abutting a partial requires crowning, the dentist traditionally sends the partial with the case to the lab. This requires the patient to be without their partial for a week or two. The following (in-office) technique uses a super fast index technique to register the clasp-tooth relationship. As a result, the patient never has to be without their partial.



Step 1: Prepare the tooth for a crown. Insert the partial and visibly inspect the proper position allowing adequate room for the new crown.



Step 2: Remove the partial and inject a light body material around the prep. Insert the partial and ensure it is properly seated and continue expressing material until clasp and occlusal rest are completely covered. Have the patient bite down while material is setting.



Step 3: After material is set, remove the partial with the index attached.



Step 4: Using a blade, carefully trim away the injected material.



Step 5: Make sure the index captured the prep completely and no voids are present around the clasps or rests.



Step 6: Remove the index from the partial by pushing it in an apical direction so it does not tear.



Step 7: Temporize the preparation and send the patient home wearing the partial. Send the clasp index in a small box with the case. **Indicate on the lab slip you have enclosed the clasp index.** Then, the lab will make a resin reproduction of the clasp and fabricate the crown to the clasp dimensions.



Fabricating A Crown Under An Existing Partial- *When Sending The Partial To the Lab*

When a tooth abutting a partial requires crowning, the dentist traditionally sends the partial with the case to the lab. This requires the patient to be without their partial for a week or two.

1. Prepare the tooth.
2. Take the final impression with the partial in place, making sure the partial is completely seated and that you get a good accurate impression for the margins on the prepared tooth (Figure 1).
3. After the impression is completely set, pull the partial in the impression (do not remove the partial from the impression) (Figure 2).
4. Check the impression for bubbles, voids or unclear margins.
5. Send the impression to the lab to be poured and the crown fabricated (Figure 3).



Figure 1



Figure 2



Figure 3