

Replacement of a partial crown: 1-step impression technique using 3M™ Impregum™ Super Quick Polyether Impression Material

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About the Case:

Patient needed a replacement for an insufficient and perforated partial crown on first lower molar #46. Impression was made with 3M™ Impregum™ Penta™ Super Quick Heavy Body and 3M™ Impregum™ Super Quick Light Body Polyether Impression Material in the 1-step technique.



Initial situation: Insufficient and perforated gold alloy partial cast crown on first lower molar #46.



Tooth after minimal preparation with persistent discolored dentin; distal moisture control of subgingival margin achieved by 3M™ Astringent Retraction Paste.



Situation prior to impression taking with clean and dry operative field.



Application of 3M™ Impregum™ Super Quick Light Body Polyether Impression Material using 3M™ Intra-oral Syringe Purple enabling easy interproximal access and void-free application of the wash material.



Detailed view of final impression showing superior detail reproduction of 3M™ Impregum™ Super Quick Polyether Impression Material. The color contrast ensures easy readability.



Final all-ceramic partial crown cemented with 3M RelyX™ Unicem 2 Self-Adhesive Universal Resin Cement.