

Clinical Case 5: Emergency Restoration of Dislodged Crown and Core

Clinical Case by Dr. Christopher Hooper, Virginia Beach, Virginia



Initial situation: Dislodged crown and build-up on tooth No. 30.



Removal of gingival tissue, preserving biologic width.



Completed tooth preparation and build-up.



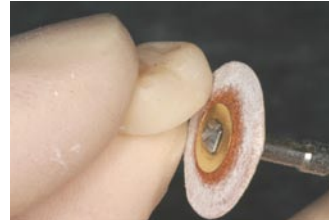
Protemp™ Crown Temporization Material trimmed to approximate height.



Adaption of Protemp™ Crown Temporization Material to the preparation.



Tack cure of buccal surface.



Trim and polish.



Placement of Protemp™ Crown Temporization Material.

Initial situation: Dislodged crown and core build-up of tooth No. 30. Initial examination also showed decay present on residual tooth structure. Temporary placement of Protemp™ Crown Temporization Material, followed by a zirconia Lava™ Crown.

Treatment plan: Tooth No. 30 was prepared using a chamfer bur and some of the gingival tissue was removed with an electrosurge. After the decay was excavated, Filtek™ Z250 Universal Restorative was used to build up the tooth preparation. The mesial-distal width of the prep was measured to select the proper size Protemp™ Crown Temporization Material. The crown was run under warm water for approximately 15 seconds to soften it, and subsequently trimmed, placed onto the prep and adapted to a precise fit. While the patient bit down, the buccal surface was tack cured using the Elipar™ FreeLight 2 LED Curing Light for 1-2 seconds. The patient opened for 1-2 seconds for curing of the occlusal and lingual surfaces. The crown was removed from the prep using a conventional sickle scaler and all surfaces were light cured outside of the mouth for 60 seconds. The crown was finished and polished prior to final placement.

