

Biomimetic Crowns

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Patient presented with a badly fractured Left central, and a fractured edge of old composite on the upper right central. She had fallen face first, and loosened several teeth with several other chips that will be addressed later. It was pretty obvious that none of the principles of restorative biomimetic dentistry had been followed in the previous restorative process. The yellow color of the right central incisor restoration is due to improper or perhaps lackadaisical procedure. The yellow color is actually coming from INSIDE! The dentist obviously failed to clean the enamel preparation with air abrasion, then bulk filled the cavity. When the composite set, it shrank away from the surface and there was leakage causing the stain.



Here's the results that can be expected when the dentist applies biomimetic principles in restoring teeth. We might add that all of this was done without the need for shots. We used topical anesthetics and an analgesic laser. We have many of these anterior biomimetic restorations that have been in place for a quarter of a century. I have one that was done 23 years ago.



These biomimetic restorations were completed in a little more than an hour from start to finish. The patient was given another estimate for porcelain crowns for more than five times the cost of a biomimetic smile. Traditional crowns would have also taken away massive amounts of healthy tooth structure and required at least two visits of two hours each.



And buyer beware. Although the courses addressing and training dentists in Biomimetic principles are readily available, there is still a skill factor involved and the artistic talent to successfully provide acceptable aesthetics may be lacking. You must ask to see a photo album of the dentist's completed works. Anyone can grind teeth down and have a laboratory make acceptable crowns at four times the cost of a biomimetic restoration.



