As patients’ desires for esthetic dentistry increase and dentists strive for more conservative dentistry, the use of composite resin restorations on anterior teeth have become a more popular practice. It is the practitioner’s responsibility to create functional and durable restorations that conserve as much of the patient’s natural tooth structure as possible, while creating a smile that the patient is proud of.

Methods

Considering all treatment options we determined that full facial composite restorations on both centrals would be ideal treatment in this case, as it would allow us to correct the malalignment and match both teeth. The use of an opaquer and incremental placement of composite allowed us to create highly chromatic restorations that were both esthetic and functional.

Results

Pre-Operative

Mock up/ shade selection

Post-Operative

Discussion

The utilization of esthetic enhancing materials such as opaquers and tints allow the dental practitioner to recreate the natural characteristics of the dentition in a way that creates a desirable effect. Awareness and understanding of the wide range of products available as well as the mechanical and physical properties of dental resins are essential to success.

Conclusions

Patient was using Opalescence 15% carbamide peroxide whitening gel in maxillary custom bleaching trays prior to completing restorations. Patient was instructed to use bleaching gel as directed for two weeks and scheduled for restorations at least 10 days after completing bleaching for the shade to settle and allow for better bonding of the composite.

A mockup was completed to determine the ideal composite shade to be used. Using Estelite Omega Nanofilled composite shade BL1 was decided for base and milky white (MW) was used for top shade.

The teeth were minimally prepped to roughen the facial surfaces and to increase bond strength. OPTIGLAZE opaquer (pink and ivory) was placed within the fracture to cover the darkness. Incremental placement of composite allowed us to obtain proper shade matching and an esthetic result.

References


