Direct midline diastema closure with composite layering technique: a one-year follow-up

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Abstract

Objective. Maxillary anterior spacing is a common aesthetic complaint of patients. Midline diastema has a multifactorial etiology such as labial frenulum, microdontia, mesiodens, peg-shaped lateral incisors, agenesis, cysts, habits such as finger sucking, tongue thrusting, or lip sucking, dental malformations, genetics, proclinations, dental-skeletal discrepancies, and imperfect coalescence of interdental septum. Appropriate technique and material for effective treatment are based on time, physical, psychological, and economical limitations. Direct composite resins in diastema cases allow dentist and patient complete control of these limitations and formation of natural smile. Clinical Considerations. In this case report a maxillary midline diastema was closed with direct composite resin restorations in one appointment without any preparation. One bottle total etch adhesive was used and translucent/opaque composite resin shades were layered on mesial surfaces of the teeth that were isolated with rubber dam and Teflon bands. Finishing and polishing procedures were achieved by using polishing discs. Patient was informed for recalls for every 6 months. Conclusions. At one-year recall no sensitivities, discolorations, or fractures were detected on teeth and restorations. Direct composite resins seemed to be highly aesthetic and durable restorations that can satisfy patients as under the conditions of case presented.
Midline Diastema Closure with Partial Laminate Veneers: A Case Report. SUMMARY

This case report describes a treatment of big diastema with hybrid ceramic restorative material, using chairside CAD/CAM system with veneer technique. Keywords: Diastema; CAD/CAM; Laminate Veneer.

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Progress in adhesive technologies has made possible to perform more conservative restoration techniques. Bonded porcelain veneers have been widely used to address aesthetic dental problems for more than 3 decades. Aesthetic parameter plays an important role when deciding the treatment choice of a patient with diastema. Development of the adhesive materials allows the dentist to construct more longevity and conservative restorations as laminate veneers.

Diastema closure is one of the most demanded treatments in aesthetic dentistry. Ideally, orthodontic treatment must be accomplished to give proper space relationships and good occlusion but in some cases this is not possible and we need the help of the restorative treatment. Diagnostic, patient approval and a recipe to obtain good results is mandatory. We are going to show the case step by step to teach a protocol that can make you have success in this type of treatments.