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Resin filling in anterior diastema using putty matrix

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I. Introduction

Numerous materials and techniques can be used to close diastema. Treatment of diastema includes, not only orthodontic therapy, but also prosthodontic treatment such as placement of crown or bridge restorations or bonded veneers application of bonded composite resin. The preferred method of restoration depends upon several factors, including duration, effort, aesthetic expectations, durability, and degree of reversibility of such procedure. The optimal technique for any clinical situation is to reach a balance of these factors. For example, placement of a full-coverage crown restoration can provide certain diastema closure but requires removal of sound tooth structure and a significant financial expense. In contrast, a single-visit application of bonded composite resin often provides optimal anterior aesthetics at reduced treatment duration, expense, and effort. Following cases are the cases of anterior diastema treated with composite resin.

II. Case Presentation

Case 1

1. Sex/age: M/28
2. Chief Complaint: Crown fracture on # 11
3. Past Dental History: N-S
4. Present Illness: Per(-), Mob(-), Cold(++) on #11
5. Impression: Class II crown fracture on #11
   Diastema on #11, 21
6. Tx Plan: Resin filling on #11, 21

Case 2

1. Sex/age: F/28
2. Chief Complaint: Discoloration on #11, 21 restoration
3. Past Dental History: Resin filling on #11,21(6m, L/C)
4. Present Illness: Per(-), Mob(-), Cold(+)on #11, 21
5. Impression: Diastema on #11, 21
6. Tx. Plan: Resin filling on #11, 21

III. Conclusion

Tooth form similar to that produced by diagnostic wax-up was achieved in the clinic by the use or putty matrix. Since layering technique is allowed more aesthetic shade matching results were obtained. In addition, predictable results were obtained as well as short chair time and simplicity in technique.