

Re-attachment of fractured anterior tooth

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I. Introduction

Re-attachment of a tooth fragment should be preferable to restoring a fractured tooth, if the fragment is available. There are several advantages in this treatment. It is a conservative procedure; it maintains its original tooth contours and translucence as patient's own incisal enamel appears more natural than any other composite resins; Total chair time for re-attachment of incisal edge is less than that for composite resin incisal edge build-up; It is a more economical method.

In most cases of anterior crown fracture, the margins of tooth and fractured fragment do not fit. So, it is essential to use composite resin to fill the defects made from the loss of tooth structure during trauma.

Following case presents re-attachment of fractured maxillary anterior tooth using composite resin.

II. Case Presentation

1. Sex/age : F/16
2. Chief Complaint (C.C) : Crown fracture of #11, 21
3. Past Dental History (PDH) : N/S
4. Present Illness (P.I) : per(+), mob(-), cold(++) of #11, 21
5. Impression : Complicated crown fracture of #11, 21
6. Tx Plan : Re-attachment of fractured teeth of #11, 21

III. Conclusion

Re-attachment of fragments with composite resin can be used to restore fractured tooth, presumably with sufficient strength. However long-term follow-up is essential to predict the durability of the tooth-composite resin-fragment complex and vitality of the tooth.