

Repair of internal and external root resorption with MTA

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I. Introduction

Tooth resorption is a common occurrence after injuries or irritation of periodontal ligament or pulp. There are two types of tooth resorption: internal and external resorption. Connecting internal and external root resorption is not a common condition. Thus surgical root restoration with root canal treatment is necessary for repair of external root resorption. As a material for perforation repair, mineral trioxide aggregate (MTA) has many favorable properties.

The following case report describes the use of MTA to restore an extensive defect resulting from root resorption.

II. Case Presentation

1. Sex/age: F/21
2. Chief Complaint (C.C): Treatment of #11
3. Past Dental History (PDH): N/S
4. Present Illness (P.I): Sinus tract formation
Percussion (-), mobility (-)
5. Impression: Internal and external root resorption of #11
6. Tx. Plan: 1. Endodontic treatment of #11
2. Surgical repair using MTA

III. Conclusion

In this case, careful use of MTA resulted in successful repair of perforating resorption. The surgical intervention of perforation and repair with MTA may be encouraged in dealing with such cases.