



Comprehension and treatment of developmental anomalies of the dental hard tissues

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I. Introduction

Dental anomalies include abnormalities in tooth size, shape and structure which result from disturbances during the morpho-differentiation stage of development. Especially, tooth shape anomaly clinically may result in functional or aesthetic reasons and thus may require some kind of endodontic, restorative, surgical and/or orthodontic treatment.

The purpose of this case report is to comprehend anatomical features of developmental tooth shape anomaly and to present vital pulpotomy and perforation repair using MTA .

II. Case Presentation

< Case 1 >

1. Sex/age: F/21
2. Chief Complaint: discomfort of #34
3. Present Illness: pain(+) / percussion(-) / cold(+) / hot(-) / mobility(-) gingivitis around lingual crown
4. Impression: pulpitis /c gingivitis of #34
5. Tx. Plan: 1. lingual crown resection of #34
2. vital pulpotomy on #34

< Case 2 >

1. Sex/age: M /13
2. Chief Complaint: dull pain of #33
3. Past Dental History: 10 years ago, mandibular symphysis fracture
4. Present Illness: pain(+) / percussion(+) / cold(-) / hot(-) / mobility(-) gingival swelling/ periapical lesion
5. Impression: chronic apical periodontitis of #33
6. Tx. Plan: endodontic treatment of #33

III. Conclusion

Vital pulpotomy and perforation repair using MTA were successful choice in developmental tooth shape anomaly.