

Post removal using ultrasonic device

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I. Introduction

Orthograde root canal retreatment requires removal of an existing coronal restoration in order to obtain access to the root canal system and this may include removal of a post. Many techniques have been devised to aid the removal of posts. These include the use of burs or trephines, devices that grasp the posts so that they can be pulled out of the root and the use of ultrasonic vibration. The use of ultrasound has the advantage of conserving remaining tooth structure, avoiding perforation and minimizing fracture risks, as well as saving time.

II. Case Presentation

<Case 1>

1. Sex/age : M/36
2. Chief Complaint (C.C) : severe pain on the right upper molar area
3. Past Dental History (PDH) : #17 RCT, post & Cr. (7YA)
4. Present Illness (P.I) : #17 periapical radiolucency, per(+), Mob(-), Pal(+)
5. Impression : secondary acute apical periodontitis
6. Tx Plan : #17 endodontic retreatment

<Case 2>

1. Sex/age : F/27
2. Chief Complaint (C.C) : #16 pain, gingival swelling
3. Past Dental History (PDH) : #16 previous RCT, post & Cr. (2YA)
4. Present Illness (P.I) : #16 periapical radiolucency, per(+), Mob(-), Pal(+)
5. Impression : secondary acute apical periodontitis
6. Tx Plan : #16 endodontic retreatment

III. Conclusion

In retreatment of teeth requires removal of posts, the use of ultrasound is an effective method for removing intraradicular posts and conserves remaining tooth structure.