

Intentional replantation of mandibular molars : Case Report

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I. Introduction

Intentional replantation is an accepted procedure in which a tooth is extracted and treated outside the oral cavity, then reinserted into its socket to correct an obvious radiographic or clinical endodontic failure. The indications for intentional replantation include failed previous nonsurgical endodontics, an apicoectomy procedure is unfavorable because of anatomical factors or financial factors preclude conventional implant placement. The following cases present that intentional replantation as a technique to successfully treat a periapical lesion could be considered.

II. Case presentation

<Case 1>

1. Gender/age : M/17
2. Chief Complaint (C.C) : Pain on Lt. lower molars
3. Past Dental History (PDH) : previous endodontic treatment on #36 (5 years before)
4. Present Illness (P.I) : percussion (+) mobility (+) periapical radiolucency
5. Impression : Chronic periradicular periodontitis on #36
6. Tx Plan : Intentional replantation on #36

<Case 2>

1. Gender/age : F/12
2. Chief Complaint (C.C) : Swelling on #46 gingiva
3. Past Dental History (PDH) : previous endodontic treatment on #46 (1 year before)
4. Present Illness (P.I) : percussion (+) mobility (+) periapical radiolucency on #46 mesial root
5. Impression : Chronic periradicular periodontitis on #46
6. Tx Plan : Intentional replantation on #46

<Case 3>

1. Gender/age : F/21
2. Chief Complaint (C.C) : Swelling on #36 gingiva
3. Past Dental History (PDH) : previous endodontic treatment on #36 (3 years before)
4. Present Illness (P.I) : percussion (+) mobility (+) sinus tract (+) Pocket depth : 10mm (furcation area)
5. Impression : Chronic periradicular periodontitis on #36
6. Tx Plan : Intentional replantation on #36

III. Conclusion

Intentional replantation is a reliable and even predictable procedure, and should be considered more often as a treatment modality in our efforts to maintain the natural dentition.