



Surgical Extrusion of Crown-Root Fractures : Case Report

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I. Introduction

Crown-Root fractures are frequently difficult to treat and have a bad prognosis, especially when the fracture line extends below the marginal bone level. Surgical extrusion to save such teeth can be recommended.

II. Case presentation

Case I

1. Sex/age: M/17
2. C/C: Fractures of Upper Anterior tooth
3. PDH: Splinting due to Avulsion on # 12
4. P.I: Crown & root fracture on # 11, 21
5. Impression: Uncomplicated crown root fracture on # 11,21
6. Treatment plan: Surgical Extrusion & RCT & Resin laminate on # 21

Case II

1. Sex/age: M/60
2. C/C: Fracture on # 15?
3. P.I: Crown & root fracture on # 15
4. Impression: Uncomplicated crown root fracture on #15
5. Treatment plan: Surgical Extrusion & RCT & Cr' on # 15

III. Conclusions

Surgical extrusion may be useful to extrude and save the root. Although it is suggested that orthodontic forces render a more biological way of extruding the tooth, surgical extrusion is a one-step procedure which is simpler and less time-consuming than orthodontic extrusion of horizontal and oblique cervical-root-fractured teeth. If Treatment is carefully planned to avoid additional damage to teeth, Surgical extrusion may be an alternative to orthodontic extrusion.