

A conservative multidisciplinary approach on traumatized anterior teeth

So-Young Lee*, Seung-Ho Baek

Department of Conservative Dentistry, School of Dentistry, Seoul National University, Seoul, Korea

I. Introduction

Loss of the coronal part of a permanent incisor can cause esthetic, functional and emotional problems. A subgingival crown-root fracture presents a restorative problem to the clinician. Extraction may be considered as a treatment modality. If the remaining portion of the root is thought to be enough to support a definitive restoration, the root may be extruded. The following case shows multidisciplinary management of a case of dental trauma. Orthodontic forced eruption and crown lengthening procedure are incorporated using restoration with porcelain fused to gold crown- leading to successful restoration of the traumatized tooth.

II. Case Presentation

1. Sex/age: M/28
2. Chief Complaint (C.C): tooth fracture of #11
3. Past Dental History (PDH): N/S
4. Present Illness (P.I): crown-root fracture on #11
5. Impression: crown-root fracture on #11
6. Tx Plan: Endodontic treatment of #11
Orthodontic forced eruption and crown lengthening procedure
Restoration with cast post and porcelain fused gold crown

III. Conclusion

Extraction may not be the first treatment choice for extremely fractured permanent teeth in the anterior region. The approach adopted for this patient may helpful with the conservative management of root fragments following trauma. Patient cooperation must be well established for the treatment of such a trauma case.