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REATTACHEMENT OF TRAUMATIZED TOOTH - A CASE REPORT

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Objective: The main objective of this case report is to understand how we can give immediate restoration to the traumatized tooth with the original one. Reattachment is such an ultraconservative technique which provides safe, fast, and esthetically pleasing results. This paper discusses fragment reattachment technique and presents a clinical case of complicated crown fracture.

Materials and Methods: A 20-years-old male patient was reported to the Department of Kantipur Dental College Teaching Hospital & Research Center, with the chief complaint of fractured lower anterior tooth due to fall injury. Clinical and radiographic examination revealed Elli's Class III fracture in mandibular right lateral incisor and canine with lingually aligned lateral incisor resulting in severe pain and loss of aesthetics and function. The case was treated with immediate RCT followed by post and core and reattachment of the same fractured fragment. We used protaper files and gutta percha from Dentsply for the obturation,

metal post was placed from Dentsply and reattachment was done with dual cure auto mixing composite resin (ResiCem from SHOFU).

Result: We achieved immediate restoration of the traumatized tooth with natural fragment of the fractured portion.

Conclusion: Because of larger incidence of trauma to dental tissues and to their supporting structures, it is important to have proper knowledge on clinical techniques and their indications, along with risk-benefit ratio. The reattachment of the tooth fragment is possible only when the fragment is available which can be improved with different adhesive techniques and restorative materials. The main concern and challenge is to educate the population to preserve the fractured fragment and seek immediate dental care.

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