

MANAGEMENT DENTOALVEOLAR FRACTURE WITH SIMPLE WIRING IN MILD HEAD INJURY:

A CASE REPORT

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Introduction

Dentoalveolar fracture is common fracture in maxillofacial region. Management of dentoalveolar injury can be done by reduction and immobilization using simple splinting technique for patients with mild head injuries by short-duration treatments.

Objective

To present a case report of dentoalveolar fracture's treatment using simple splinting technique in patient with mild head injury.

Case Report

A case will be reported from the Oral and Maxillofacial Surgery Department of Dr. Hasan Sadikin-Bandung. A 54 year old man came to the Emergency Room of Hasan Sadikin Hospital with bleeding from his mouth. The results of the examination showed that the patient had a dentoalveolar fracture in teeth 11 and 21, 2 degree luxation, and some mild head injuries.

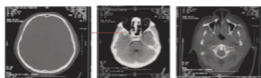


Figure 2. Head CT Scan



Figure 1. Clinical examination

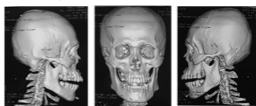


Figure 3. Head CT Scan

Results

The patient have soft tissue injuries with vulnus laceratum in the upper and lower lip regions and in the gingiva areas of teeth 11 and 21. The dentoalveolar fracture which affected teeth 11-21 were accompanied by 2 degrees of mobility and treated with simple splinting technique using the essig method. In day-21 post-operation, there were no signs of mobility in teeth 11 and 21.



Figure 4. Post treatment after suturing interrupted ekstraoral, intraoral and Simple wiring with essig method



Figure 5. Post operation day xxi

Conclusion

Dentoalveolar fracture can be caused by various factors, ranging from traffic accidents, physical violence, from falls, sports injuries to injury from firearms. Careful and complete examination and multidisciplinary consultations can prevent complications of dentoalveolar fracture. Dentoalveolar fractures in patients with mild head injuries can be treated with a simple wiring technique using the essig method.

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Conflict of Interest : There is no conflict of interest