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EP7 TREATMENT OF MULTIPLE DENTAL TRAUMA: CASE REPORT

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Introduction: Dental trauma has a high prevalence, mainly among young patients. It can eventually lead to tooth loss, malocclusion, affecting the individual's self-esteem and social relationships and that's why it is considered a public health problem.

Aim: The objective of this clinical case is to demonstrate some consequences of an avulsed permanent tooth, fracture of alveolar maxillary bone and its resolution.

Case report: A 14-year-old boy visited a University Dental Clinic in Skopje, 2 days after a car accident. He had a head injury and doesn't know that he lost his teeth.

Clinical and radiographic examination revealed the presence of a three avulsions of maxillary (tooth 11, 21) and mandibular tooth (32), fracture of maxillar bone. The intraoral examination revealed that the maxillary permanent central incisors were avulsed with lacerations of the soft tissue of gingiva accompanied by fracture of the maxillary bone. Increased luxation was observed in the lateral left maxillar incisor, due to the lack of an alveolar ridge and a rigid splint involving the maxillary incisors was used. In consultation with the oral surgeons, therapy was suggested by rubbing the soft tissue with a gel for faster epithelization. Two weeks after injury sequelae were observed, which were removed. The splint was removed after 3 weeks, and tooth 22 remains in the oral cavity without any major luxation.



22. KONGRES STOMATOLOGA SRBIJE

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The orthodontics splinted the teeth 22, 23 and 24 for better retention and made a Hawley appliance with artificial teeth (11 and 21). That's how we achieved better aesthetics and we improved patient's function.

Conclusion: This clinical case report served to demonstrate that careful and continuous clinical assessment is necessary to monitor progress and determine the prognosis for a favorable healing outcome after dental trauma. The primary approach in the clinical treatment of children and adolescents who have traumatic dental injuries should be aimed at supporting the recovery potential in their developing dentoalveolar tissues.

Keywords: avulsion, permanent teeth, multiple therapy, sequels