

# **Multidisciplinary management of repeated orofacial trauma; a clinical case report**

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Background: A complex traumatic injury requires complex treatment. This case report details the management and treatment of a schoolboy who sustained a horse kick to the face, and subsequently, a football injury to the same area.

Case Report: The 11-year-old boy was first seen in the dental hospital following a horse kick to the lower face. The injury included a complicated fracture of the left body of the mandible, with many lacerations to the lower lip. The upper left central and lateral incisors, along with the lower left canine were avulsed and not recovered. The upper right central incisor was subluxated. Initial treatment carried out was fixation of the mandible, and splinting of the mobile upper right central incisor. Treatment was complicated by patient co-operation, but more notably; a further trauma when 2 years later, a football hit to the lower face. Multiple removable plates of various design have been made to restore aesthetics and function throughout on-going orthodontic treatment.

Summary: Successful treatment of significant dental trauma encompasses a wide range of necessary skills. Within the Cork University Dental School and Hospital, an oral surgeon, orthodontist, restorative dentist and general dentist saw the patient for short and long-term treatments.

Conclusion: This case report shows the multidisciplinary approach to managing and treating a young boy following repeated injury to the mouth. This style brings together the skills and knowledge of different dental specialists, and allows the optimum care for the patient.