

# Maxillary canine–first premolar transposition in the permanent dentition: treatment considerations and a case report

## Abstract

Transposition is defined as the interchange of position between two adjacent teeth within the same quadrant of the dental arch. Permanent maxillary canine–premolar transposition is the most commonly observed transposition in the human dentition. Its prevalence is relatively low and its aetiology remains unclear, although it has been associated with genetic factors. It may also be related to a combination of localised factors such as malformation of adjacent teeth, tooth agenesis, retention of the deciduous canine and a history of local trauma. Treatment is selected on an individual case basis after thoroughly considering the overall facial and dental characteristics, duration of treatment, cost, patient preference and the orthodontist's experience. This article provides a case report of maxillary canine transposition in the permanent dentition, successfully managed with orthodontic treatment.

**Key words:** tooth transposition, ectopic eruption, maxillary canine, orthodontic treatment.

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# Management of acute dislocation of the temporomandibular joint in dental practice

## Précis

Temporomandibular joint dislocation may present acutely to the dentist. This article discusses its presentation and management.

## Abstract

Acute dislocation of the temporomandibular joint is a situation that, although rare, may present to the dentist in practice at any time. A number of activities, such as removal of a tooth, may cause dislocation. The event is painful and distressing for the patient, their family and the dental team. Prompt management minimises discomfort, distress and long-term morbidity to the patient. We describe the aetiology of acute dislocation and outline a number of techniques that will aid the clinician in dealing with this event.

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