

CASE STUDIES

Aesthetic possibilities of reconstruction after dental trauma in athletes – a case report

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Abstract

Background. Sport performance has begun to occupy a more important place in our lives, even if we are not directly involved in competitions. Blows to the teeth are the most common injuries suffered by athletes. Treatment would not be so expensive if the athlete would realise that 30-50% of accidents can be prevented.

Aims. In patients with anterior devital teeth that are more exposed to fracture, prosthetic treatment has two main objectives: correction of physiognomy and increasing the mechanical strength.

Methods. This paper presents a variant of maxillary lateral incisor restoration using mixed metal-ceramic crowns with ceramic threshold on devital teeth, reinforced with glass fiber posts.

Results. With two metal-ceramic crowns with ceramic threshold the size and morphology of the maxillary lateral incisors affected by sports trauma have been corrected. Marginal gingiva keeps a marginal color at the restored tooth. Preparation of the threshold in fixed metal-ceramic prosthesis offers precision for the dental prosthetics limit and ensures correct marginal closure.

Conclusions. Metal-ceramic construction with ceramic threshold represents a new stage in the use of ceramics in modern dentistry. Because of these characteristics, they have become preferred among physicians and patients seeking treatments for prosthetic restoration of aesthetic function.

Keywords: sport injuries, aesthetic, ceramic threshold, post physiognomy, tooth lesions, case study.