

CLINICAL MANAGERMENTS TO RETURN FOR A RUGBY FOOTBALL PLAYER SUFFERED MAXILLOFACIAL TRAUMA

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Keywords: face guard, cushioning materials, shock absorption

Introduction

Mouthguards (MG) is well known equipment to prevent dental injuries during exercise and sporting activities, and face guards (FG) is also known as a modern protective gear against maxillofacial traumatic injuries.

The purpose of this study was to illustrate clinical managements to safe and early return to field for a rugby football player fractured nasal bone and maxillary bone.

Methods

The patient (male, 16 yrs) fractured nasal bone and left maxillary bone because of collision with another player's knee during a rugby football game. He was referred to our clinic for management of injuries and counsel of protectors to safe and early return to play after emergency treatments.

Depressed nasal and maxillary fracture were closely followed without open reduction. He was allowed to come back to play on wearing MG and FG. Double layered MG was fabricated with 2mm-thick and 3mm-thick thermoplastic MG materials. FG was customized on facial stone cast by adhering 1.6mm-thick cushioning materials to inner and outer surfaces of 3.2mm-thick thermoplastic hard-sheet material with an adhesive.



Figure 1. FG fitting

Results & Discussion

He returned safely to exercise and official game in 7 and 14 days after the accident, respectively, as a result of collaboration between sports doctor and sports dentist.

Conclusion

This case study showed that simultaneous applications of custom MG and FG were useful for safe and early to sports from maxillofacial traumatic injuries.

References

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