

# Elite Training Seminar Update of Dental Injuries and Its Management

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## Dental Injuries

## Dental Injuries

*“Unpredictable, but commonly associated with sport-related activities.”*

# Evidence

## Evidence

- 💡 Type of Sport
- 💡 Gender
- 💡 Age

# Type of Sport



## Type of Sport



Ball game e.g. rugby, ice-hockey, soccer, baseball, football and basketball.

Other sport activities are less common.



## Type of Sport



*"The relationship between type of sport and type of dental injuries is not clear."*



# Gender



## Male vs Female



Ratio of sustaining dental trauma

1.8 - 2.6 : 1

**Age**

## Age Group



Two groups are commonly associated

1. 6 - 12 year-olds
2. 18 - 23 year-olds

級數: III

PROJECT **COMMON DENTAL TRAUMA**

DATE **19 MAY 2011**

CLIENT **HONG KONG SPORTS INSTITUTE**



PROJECT **COMMON DENTAL TRAUMA**

DATE **19 MAY 2011**

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- Tooth out of socket
- Immediate attention is critical
- Long-term management is difficult
- Continuous follow-up is required



PROJECT **AVULSION**

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- Tooth displaced from socket
- Common injury
- May associate with alveolar fracture



PROJECT

## SUBLUXATION

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- Tooth move into socket
- Not common in adult
- Long-term management is difficult
- Continuous follow-up is required



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## INTRUSION

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- Tooth maybe loosen
- Common injuries
- Outcome depends on level of fracture
- Continuous follow-up is required



PROJECT

## ROOT FRACTURE

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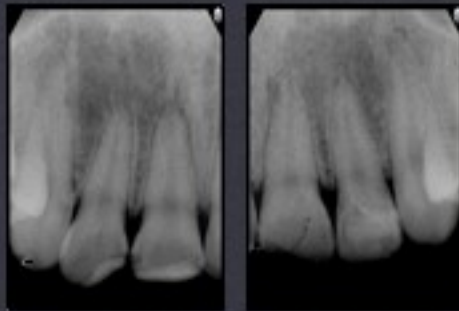
- Common injuries
- Management is relatively simple
- Continuous follow-up is required

PROJECT

# CROWN FRACTURE

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PROJECT

# CROWN FRACTURE

DATE 19 MAY 2011

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2 days later



PROJECT

# CROWN FRACTURE

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1 month later



PROJECT

## CROWN FRACTURE

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## Management Plan

## Management Plan

- Immediate
- Regular (Subside)
- Prolong (Lifelong)



# Prevention

## Mouthguard

A well-fitted mouthguard is related with low frequency of sports-related dental injury.

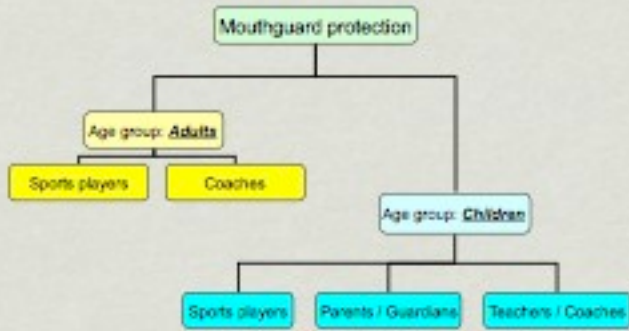


## Function of Mouthguard

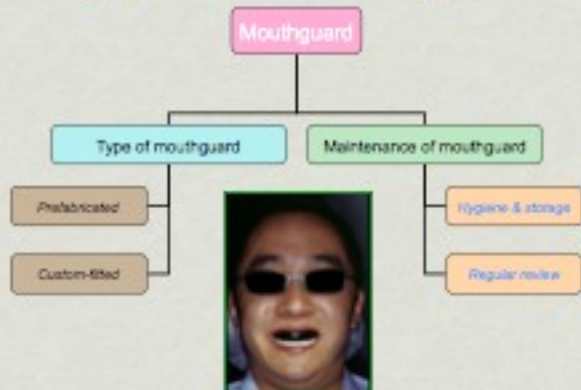
Prevention of laceration and bruising of soft tissues e.g. lips and cheeks.

Provision of cushioning effects for the teeth from direct frontal impact.

# Mouthguard Usage



# Type of Mouthguard



# Thank you

