Study Guidelines for Fellowship Examination

Recommended literature and other sources of information:


2. IADT Dental Trauma guidelines


3. Dental Trauma Guide (www.dentaltraumaguide.org)

4. Glossary of Trauma terms. Available from the Dental Trauma Guide under the Vocabulary heading in the Task Bar
The candidate for admission to Fellowship of the IADT should fulfill the following objectives:

**Epidemiology of traumatic dental injuries (TDI)**
1. Understand trauma incidence and prevalence in the primary and permanent dentition
2. Be able to state the typical causes of trauma


**Examination of a traumatized patient**
1. Understand the information that is required before examining a patient
2. Understand the clinical and radiographic information that is required in order to reach the correct diagnosis after a traumatic injury
3. Understand the limitations of pulp sensibility testing in the traumatized dentition
4. Understand what other imaging is available for assessing the traumatized dentition and when this should be used
5. Understand the special considerations in the examination of children
6. Understand the signs of possible child abuse


**Classification of TDI**
1. Be able to define the following injury types: enamel infraction, enamel fracture, enamel-dentin fracture, enamel-dentin-pulp fracture (complicated crown fracture), crown-root fracture with or without involvement of the pulp, root fracture, fracture of the alveolar process, concussion, subluxation, extrusion, lateral luxation, intrusion, avulsion.


**Acute treatment of TDI**
1. Understand the recommended treatment of TDI in the primary dentition according to the latest version of the IADT guidelines and account for special considerations in the treatment of minor children
2. Understand the recommended treatment of TDI in the permanent dentition according to the latest version of the IADT guidelines
3. Be able to recommend treatment priority (acute, sub-acute, delayed) for the various types of injury
4. Be able to design a suitable follow-up program (review regime) for each different type of injury
5. Understand treatment priorities when planning treatment for the acutely traumatized dentition


**Soft tissue injuries**
1. Understand various types of soft tissue injuries (contusion, abrasion and laceration (superficial or penetrating)
2. Understand suitable treatment for these injuries
3. Be able to describe the indication for antibiotic treatment for soft tissue injuries


**Pathophysiology and consequences of dental trauma**
1. Understand healing events after traumatic injuries to the pulp
2. Understand healing events after traumatic injuries to the periodontium
3. Understand the following dental healing complications: pulp canal obliteration, pulp necrosis, repair-related resorption (surface resorption), infection-related resorption (inflammatory resorption), ankylosis-related resorption, marginal breakdown of bone (transient and permanent)
4. Understand the clinical and radiographic findings in relation to the above mentioned complications
5. Be able to evaluate the risk of healing complications and tooth loss for the various types of TDI
6. Understand the possible sequelae in the permanent dentition after trauma in the primary dentition


Adnan, S, Lone, MM, Khan, FR, Hussain, SM, Nagi, SE. Which is the most recommended medium for the storage and transport of avulsed teeth? A systematic review. Dent Traumatol. 2018; 34: 59– 70. https://doi.org/10.1111/edt.12382


**Predictors for healing complications**
1. Understand the most important predictors for pulp necrosis and root resorption

**Endodontic considerations**
1. Understand the treatment of infection related resorption
2. Understand the treatment and discuss possible challenges in the treatment of pulp necrosis in teeth with immature root development and in root fractured teeth


Long term consequences of early tooth loss
1. Understand the mechanism for infra-occlusion of ankylosed teeth in adolescents
2. Understand the treatments available for treating the submerging tooth.


Information to the public
1. Be able to recommend appropriate emergency measures to be taken immediately following dental trauma


Prevention of TDI
1. Be able to identify high risk sports
2. Understand measures (e.g. mouth guards) that can be used to prevent these injuries

