

Traumatic dental injuries in Tunisian patients: A prospective study

Kallel Ines

University of Monastir, Tunisia

Objectives: The aim of this study was to focus on epidemiological characteristics of traumatic dental injury (TDI) in Tunisian patients who suffered from facial trauma and to investigate the relation with age, gender and etiology.

Methods: All the trauma patients attending the Department of Dental Medicine at the University Hospital of Sahloul Sousse, during 5 years, were included in this study. Age, gender etiology, time elapsed between the TDI and dental cares were recorded. Type of trauma was identified according to Andreasen's classification. Data were analyzed using the chi-square, Anova and student test.

Results: This study included 120 traumatized patients. The mean age of patients was 18 years, the most affected tooth was: Central and lateral maxillar incisors. The highest frequency of TDIs was among the age group of 11–20 years (35%), with more males being affected Falls was the most common etiological factor causing TDI (33%). The most frequent type of trauma is enamel-dentin fracture without pulp exposure (38%). Only 9% of the patients sought dental care within 24 hours of the injury. A significant difference of the gender repartition between different trauma etiologies ($p=0.013$) also a significant association was found between age group repartition and etiology of trauma ($p=0.007$).

Conclusion: In this study, falls are the most common etiology of TDI. Most patients seek dental treatment after more than 24 hours of the injury. Therefore, significant strategies of trauma prevention and immediate treatment of dental injuries are needed to change dental data toward more favorable behaviors in the future.

Biography

Kallel Ines obtained her Degree of Doctor in Dentistry in 2007 and Degree of Specialist in Conservative Dentistry and Endodontics in 2012 from University of Monastir, Tunisia. She started practicing as University Hospital Assistant from 2013 in the Hospital Sahloul Sousse.

ineskallel@yahoo.fr

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