

Frequency of Zygomatic Fractures Causes investigation in Patients Referring to Iran northwest trauma Hospitals in 2017-18

Abstract

Background & Objective: Facial trauma occurs mainly in adults in connection with motor vehicle accidents, although strife is also responsible for some injuries. Occasionally, falls and collisions can lead to these fractures, and there are other mechanisms that are rare. The aim of the present study was to determine the prevalence of bone fractures in patients referred to northwestern Iran traumatic hospitals during the period of 2017-18 years.

Methods: This descriptive and prospective study was performed on the records of four patients with read-only fracture who referred to Northwestern Iran trauma hospitals during 2017-18. The purpose of this study was to determine the prevalence and causes of trauma related to occupation, sex, age, and injury toxicity, type of treatment, and duration of trauma to surgery. Information includes information on the practitioner's history, time of fracture, age and gender, cause of fracture, side of fracture, place of residence and occupation of the individual.

Results: The mean age of the patients was 34.10 ± 13.22 years with a mean age of 31 years, 85% were male and 15% were female. In terms of age group, the most frequent was in the age group of 21 to 30 years with frequency of 73 cases (36.5%). In the study of employment status of the studied patients, the highest frequency belonged to the worker and then to the farmer with the frequency of 24 (12%) and 23 (11.5%) respectively. Frequency of housework in women was equal to 23 cases (11.5%). In the study of frequency of living in the studied patients, the highest frequency was related to Tabriz city 39 cases (19.5%) and then Maragheh 18 cases (9%). In the studied patients, the most frequent cause of fracture of the species was related to motor vehicle accident with a frequency of 113 cases (56.5%). The most common type of treatment is open reduction & rigid fixation with a frequency of 178 (89%).

Conclusion: Frequency of species fracture was more prevalent in patients referred to trauma centers in northwest of Iran. By the age of 21-30 years, it is the most common age and the leading cause of motor vehicle accident is fracture. The most common site of fracture was the left cheek, which appears to be the result of accidents caused by deviations of the driving lane on the opposite lane as well as the presence of doors and glass on the left.

Key words: Fracture, Species Bone, Trauma, Motor Vehicle Accident