Epidemiology of Head Injury in Patients who were Referred to Poorsina Hospital

Yousefzade Chabok Sh. (MD.), Safayi M. (MD.), Hemati H. (MD.), Mohammadi H. (MD.), Ahmadi Dachahi M. (MD.), Koochaki Nezhad L. (BS.), Shabani S. (BS).

Abstract

Introduction: Head injury has been recognized as a major public health problem and is a frequent cause of death and disability in young people and makes considerable demands on health services.

Objective: Study some demographic characteristics and causes of head injury.

Materials and Methods: This descriptive study was, conducted by Guilan Trauma Research Center on head trauma patients who were admitted in Poursina hospital since September 2004 to September 2005. A Questionnaire including Age, Sex, Time and place of injury, cause of injury, associated injuries, GCS, Brain CT scan finding for every head trauma patient; was completed by a general practitioner under supervision of a Neurosurgeon. Data were analyzed by SPSS10.

Results: About 64% of all trauma patients had head injury. Mean age was 31.35±18.16 and the ratio of male to female was 3 to 1. Most of them were 25-44 years old. Traffic accidents were the major cause of injury (77%) and 48% of them were motorcyclist. Most of the injuries occurred in 5 PM. 38.75% of injuries occurred in summer. About 12% of patients had severe head injury. And intracranial hemorrhage formed 12.24% intracranial traumatic brain lesion. Finally 13% of them died and 55% of them occurred due to motorcyclist accident.

Conclusion: Traffic accidents are the major reason for head injuries. Pay attention to prevention of this accident can perform important role in decreasing of head injuries.

Key words: Accident, Traffic/Brain Injuries/Trauma