

## ***Incidence of orthopedic trauma patients at Sina orthopedic emergency clinic***

**(Review of 796 trauma victims at Sina hospital)**

### ***abstract***

**Study design:** A case series descriptive study was achieved at orthopedic trauma clinic of sina hospital.

**Objective:** To evaluate incidence of emergency cases at orthopedic trauma clinic. The major objection was planing of Sina orthopedic trauma clinic's equipment and facilities.

**Summary of background data:** Sina orthopedic trauma clinic is a referral trauma center with vascular surgery, Hand and plastic surgery and spine surgery facilities. Many patients from Tehran and other cities come to this clinic and want good services without attention to limited available materials, equipment and staff at this hospital.

**Methods:** Every patient that came to orthopedic trauma clinic was included in this study. One trained GP physician with help of residents of orthopedic surgery gathered data of patients. Then analysis on data was performed by SPSS-9.01.

**Results:** Seven hundreds ninety six patients came at three last months of 1998, of them, 78% were male and mean age of them was 28/8 years. Five hundred thirty had bone fracture, 49 of them had dislocation, 84 of them had crushing injury, and other had ligamentous damage. Falling was the major cause of trauma (30%), other causes were pedestrian trauma (22%), motorcycle injury (5%) and so on. Two hundreds of these patients were admitted.

**Conclusions:** Planing of hospital staff, equipment, usable material is very important factor to prepare excellent service for patients and the only method to assessment of needs is correct available data in every area or state of a city or country. This study is the beginning of this project.

**Key words:** Trauma / Fracture / Emergency / Orthopedi

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