Maxillofacial Fractures in Hyderabad City:

A 1-year Study of 448 Patients

Original Article (Maxillofacial Surgery)


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ABSTRACT

Objective: This descriptive study assesses the cause, type, incidence and treatment modalities of maxillofacial fractures managed at our center during the 1-year of time period.
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**Study Design:** Descriptive Study.

**Place and Duration of Study:** This study was carried out at Department of Oral & Maxillofacial surgery Institute of Dentistry LUMHS, Jamshoro.

**Materials and Methods:** A total 384 cases were studied. A detailed history, clinical examination was performed and finally diagnosis confirmed with the help of radiograph, at least two radiographs were taken. Records of patients enrolled who were either treated in the Emergency Room, Out-Patients Department or in the Ward.

A numbers of parameters, including Age, gender, cause, type of injury and treatment provided were assessed.

**Results:** Out of 448 patients, 318 were male and 130 were female. Majority of patients belong to 3rd decade (21-30 years) of life. Road traffic accidents 56.91% accounted for the majority of cases of maxillofacial fractures followed by assault10.49%, fall 19.86%, sports 4.68% Mandible was seen as the most commonly fractured bone 44% (287) followed by maxillary bone 23.92% (156), Zygomatic bone complex 18.40% (120) and majority of the bony maxillofacial injuries were treated by open reduction and internal fixation (ORIF).

**Conclusion:** Males of age group 21-30 years were more frequently involved in maxillofacial fractures. Road traffic accident was the most common cause of trauma in this part of the country, which requires proper implementation of traffic legislation use of helmet while riding the cycle or motor bike. Mandible was fractured in majority of cases; common treatment modality of maxillofacial fractures at our center was Maxillo-mandibular fixation with miniplates.

**Key Words:** Maxillofacial trauma, road traffic accident, Hyderabad, Fire arm injury.
REFERENCES


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