

Clinical and Statistical Studies on 172 Oral and Maxillofacial Injury Patients at the Department of Dentistry and Oral Surgery in Hakujuji Hospital during Past 8 Years and 3 Months

Masazumi SAIKI¹⁾, Toshihiro KIKUTA¹⁾, Joji UMEMOTO¹⁾
and Masato SHIMADA²⁾

1) Department of Dentistry and Oral Surgery, School of Medicine, Fukuoka University

2) Department of Dentistry and Oral Surgery, Hakujuji Hospital

Abstract: The authors performed clinical and statistical studies on 172 oral and maxillofacial injury cases treated at the department of Dentistry and Oral Surgery, Hakujuji Hospital from January 1995 to March 2003.

1) 114 of the 172 patients were under 30 years old (66.3%). 2) The male to female ratio was 1.9 : 1. 3) 87 of the 172 cases (50.6%) were referred to us by the surgical clinics and department of hospital. 4) 166 of the 172 cases (96.5%) came to our department within a couple of weeks from the accident day. 5) Traffic accidents were the predominant etiological factor (39.0%). 6) 46 out of the 172 cases (26.7%) were complicated with teeth, alveolar bone, maxillo-mandibular and zygomatic bone and oral soft tissue injuries. 7) 17 of the 172 cases (9.9%) had other injuries, 7 with injuries to their lower extremities, 6 to the brain, 3 with pulmonary injuries etc. 8) A lower lip injury was the most common of all soft-tissue injuries. The next most common injuries were to the frenulum, upper lip and gingiva. 9) 60 of the cases (34.9%) had facial bone fractures. 36 had independent fractures of the mandible. 13 had independent maxillary fractures. 5 had fractures of the maxilla and zygoma. In addition, 3 had maxillo-mandibular fractures. 10) The most frequently fractured regions were the alveolus on maxilla, symphysis on mandible and arch region on zygoma. 11) 132 of the 172 cases (76.7%) were treated as outpatients, the remaining 40 patients (23.3%) were treated in hospital. The average length of hospitalization was 24.7 days.

The treatment of oral and maxillofacial injuries in our department was done in cooperation with Hakujuji Hospital and other connected hospitals in the local area.

Key words: Oral and maxillofacial injury, Clinical and statistical studies, Department of Dentistry and Oral Surgery in Hakujuji Hospital, Past 8 years and 3 months