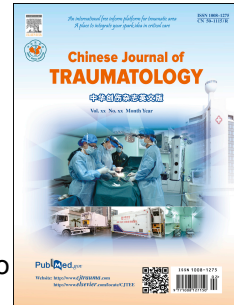


# Accepted Manuscript

Maxillofacial and concomitant serious injuries: an eight-year single center experience

Fausto Fama, Marco Cicciu, Alessandro Sindoni, Enrico Nastro-Siniscalchi, Roberto Falzea, Gabriele Cervino, Francesca Polito, Francesco De Ponte, Maria Gioffre-Florio



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**Original article****Maxillofacial and concomitant serious injuries: an eight-year single center experience**

Fausto Fama,<sup>1,\*</sup> Marco Cicciu,<sup>2</sup> Alessandro Sindoni,<sup>2</sup> Enrico Nastro-Siniscalchi,<sup>2</sup> Roberto Falzea,<sup>2</sup> Gabriele Cervino,<sup>2</sup> Francesca Polito,<sup>3</sup> Francesco De Ponte,<sup>2</sup> Maria Gioffre-Florio,<sup>1</sup>

<sup>1</sup> Department of Human Pathology, University Hospital of Messina, 98125 Messina, Italy

<sup>2</sup> Department of Biomedical and Dental Sciences, Morphological and Functional Images, University Hospital of Messina, 98125 Messina, Italy

<sup>3</sup> Department of Clinical and Experimental Medicine, University Hospital of Messina, 98125 Messina, Italy

\*Corresponding author: Tel: 39-0902212406, Fax: 39-0902212801, Email: [famafausto@yahoo.it](mailto:famafausto@yahoo.it)

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**Abstract**

**Purpose:** Maxillofacial injuries are frequently associated with multiple trauma and can determine functional and aesthetic bad outcomes. The severity of maxillofacial injuries may be considerable and can divert clinicians' attention from other concomitant injuries which is less evident but potentially life-threatening. The aim of this study was to find out the concomitant injuries in patients referred to the Emergency Department (ED) of the University Hospital Messina (North-East Sicily, Italy) for maxillofacial traumas.

**Methods:** We retrospectively evaluated data of 240,833 patients admitted at the ED of the University Hospital Messina from January 2008 to December 2015 because of maxillofacial injuries leading to hospitalization and surgical treatment. Patients who primarily received treatment care at different institutions, pediatric trauma patients and adult patients who were transferred in accordance with pre-existing agreements in case of paucity of beds were excluded. Finally we included 447 (0.2%) patients over the eight years. Data were evaluated with emphasis on epidemiology (age, gender, mechanism of trauma), primary survey and abnormalities and pattern of trauma.

**Results:** The most frequent cause of maxillofacial trauma was road accidents (319 patients, 71.4%), among which motorcycle ones were prevalent. The maxillofacial injured who presented major lesions were 98 patients and minor lesions occurred in 349 patients; 443 (99.1%) patients underwent

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