

Necessity for emergency CXR in trauma patient with Injury Severity

Score > 15

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Introduction:

Administration of multiple trauma patients with severe injuries of certain conditions that a physician is faced with (1).

Evaluation of trauma patients according to ATLS guidelines in two stages the initial rapid assessment and evaluation by the patient and assess the patient's condition is life threatening injuries, including evaluation of the overall condition of the patient from head to toe to find the location damaged the patient's body

The purpose of this study was to evaluate the cost and radiation damage to multiple trauma patients with ISS> 15 in the evaluation based on the ATLS guidelines.

Methods:

In a cross - sectional study in the Department of Emergency Medicine, Tabriz University of Medical Sciences conducted on trauma patients, and the amount of incoming radiation to patients with multiple trauma with ISS> 15 in the assessment evaluated according to ATLS guidelines.

Reesults:

In this study, we selected 170 patients with multiple trauma evaluated and most were male. 114 (67.1%) patients were male and 56 patients (32.9%) patients were female. The mean age of male patients 33.86 ± 17.36 years and the mean age of female patients 37.75 ± 18.33 years ($P=0.181$).

26 patients complained of respiratory complaints in 7 patients with asthma and 19 patients had chest pain. Clinical examination was abnormal in 28 patients with

emphysema in a patient's skin, ecchymosis in one patient, and 26 patients had localized tenderness.

Chest x-ray (CXR) was performed in 161 patients (94.7%) were normal in 6 patients (3.5%) rib fracture in 1 patient (0.6%) and hemothorax in 2 patients (1.2%) had pulmonary Contusion.

The number of chest x-ray (CXR) in 168 patients (98.8%) was one and one in two patients (1.2%) 2 times.

Conclusions :

Between Ph / E with Triage level, the Trauma, Sexuality, and no significant correlation between the results of CXR .

Significant association between the CC and Triage level, sex, finding no significant relationship between CXR and Trauma agent.

Keywords:

Complications of chest trauma, chest radiographs