

عنوان مقاله:

A SURVEY ON DIFFERENT METHODS OF RICE TABLET RELATED POISONING CONTROL AT SINA HOSPITAL OF TABRIZ BETWEEN 2013 AND 2017

محل انتشار:

چهاردهمین کنگره سالانه طب اورژانس ایران (سال: 1398)

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خلاصه مقاله:

Background and Aim : Aluminum phosphide (AIP) is a pesticide and is used to prevent damage of stored rice. After exposure to moisture, it releases phosphine gas. The aim of this study was to investigate the methods of control of rice poisoning in Sina hospital in Tabriz from 2013 to 2017. Methods : Medical records of patients with suicide attempt with ALP referred to Sina Hospital were included in the study. Sample size was 110 patients including all patients in relation to ALP poisoning during 4 years. A questionnaire containing demographic questions and information on poisoning such as how to access poison, dosage, symptoms of poisoning, etc. was completed and completed. Data were analyzed by SPSS software and chi-square test and regression analysis. Results : Out of total sample, 65.2% patients were male. 34.8% are 20 years and under, 37.5% are 21-30 years old, 15.2% are 31-40 years old, 8% are 41-50 years old and 4.5% are over 50 years old. The level of consciousness is 59.3% high and 40.7% low. 39.3% were dead and 60.7% discharged. Clinical manifestations: 76.9% nausea and vomiting, 15.4% pressure drop, 8.8% respiratory failure, 12.1% metabolic acidosis, 1.1% respiratory alkalosis, 13.2% perspiration /arrhythmia, 4.4% Agitation was 3.3% shock, 2.2% cyanosis, 16.5% loss of consciousness. Conclusion : The highest rate of ALP poisoning were among male with 20- 30 years. The mortality rate of rice pills in the present study was 39.3%. Thereby, most of the victims are those who buy AIP tablets for suicide. So access to pills should be limited. Thereby, increase the physician's awareness regarding to poisoning and treatment can save mortality rate. Easy availability of ALP may be useful but leads to an increased risk of poisoning among people with family, social or economic problems because they are aware of the risk of death.

کلمات کلیدی:

Aluminum Phosphide, Rice Tablets, Toxicity

