

## عنوان مقاله:

BENZODIAZEPINES POISONING AND HYPOGLYCEMIA, ITS PREVALENCE AND POTENTIAL RISK FACTORS

## محل انتشار:

چهاردهمین کنگره سالانه طب اورژانس ایران (سال: 1398)

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## نویسندگان:

Davood Soroosh - *Department of Forensic Medicine, Sabzevar University of Medical Science, Sabzevar, Iran*

Seyed Alireza Javadinia - *Student Research Committee, Mashhad University of Medical Science, Mashhad, Iran*

Mohammad Nematshahi - *Department of Anesthesiology, School of Medicine, Sabzevar University of Medical Science, Sabzevar, Iran*

## خلاصه مقاله:

**Background and Aim :** Benzodiazepine (BZD) toxicity is a common medical condition often accompanied by respiratory arrest, aspiration pneumonitis, and may rarely result in death. Although it is not studied well, hypoglycemia is a real and life threatening condition that may occur in BZD toxicity. Thus, the present study was conducted to evaluate prevalence of hypoglycemia in patients with BZD poisoning compared to toxicity with other drugs. **Methods :** In this cross-sectional study, patients with drug -induced poisoning referred to Vasei Educational, Research and Treatment Center, Sabzevar, Iran were enrolled and their blood glucose level at presentation were collected prospectively. Data were analyzed by SPSS software 10 using Chi Square and Fisher Exact tests at level of  $p \leq 0.05$ . **Results :** A total of 300 poisoned patients were evaluated (17% with BZD poisoning). Prevalence of hypoglycemia was significantly higher in patients with BZD poisoning (11.8% vs. 2.8%,  $p=0.004$ ), especially in male ( $P=0.016$ ), aged > 30 years old ( $p=0.006$ ). Although, prevalence of hypoglycemia was higher in patients with  $GCS < 10$  ( $p=0.005$ ) and patients referred later than 1 hour to medical facility ( $p=0.015$ ). **Conclusion :** Results showed that hypoglycemia is a frequent side effect of BZD toxicity and should be addressed in initial evaluation of patients referred to emergency department with this medical condition.

## کلمات کلیدی:

Benzodiazepine, Poisoning, Hypoglycemia

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