

## عنوان مقاله:

Neurologic Complications of Methanol Poisoning: A Clinicoepidemiological Report from Poisoning Treatment Centers in Tehran, Iran

## محل انتشار:

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## خلاصه مقاله:

**Background:** In this study we sought to investigate clinical findings (with a focus on neurologic effects) and also to analyze outcomes of a series of patients with methanol poisoning admitted to two poisoning treatment centers in Tehran, Iran. **Methods:** In this prospective cross-sectional study, methanol-poisoned patients admitted to departments of forensic medicine and toxicology of Loghman Hakim and Baharloo hospitals in Tehran during October 2010 to October 2011 were included; and their data were recorded in predesigned checklists. **Results:** Twenty-eight methanol poisoned patients (82.1% men) with mean age of  $29.3 \pm 4.6$  years were studied. Most patients (67.9%) had metabolic acidosis at presentation. On admission, all patients had different degrees of decrease in consciousness, who the majority of them (57.1%) were admitted with mildly reduced consciousness (grade I of Grady coma scale). Headache and vertigo were observed in 7.1% and 17.9% of patients, respectively. Most patients (53.6%) had no ocular effects, while 46.6% of patients developed impaired vision. All patients received sodium bicarbonate. Ethanol as antidote and folic acid were given to 18 patients (64.2%) and 16 patients (57.1%), respectively. Six patients (21.4%) underwent hemodialysis. Over half of the patients (53.6%) fully recovered and were discharged without complications. Four patients (14.3%) developed total blindness. Four patients (14.3%) left the hospital against medical advice by self-discharge (they had no significant complication at the time of discharge). Five patients (17.9%) died; who compared to survived cases had significantly lower blood pH ( $P=0.028$ ), higher coma grade ( $P<0.001$ ) and more delayed presentation to hospital ( $P=0.004$ ). Age had no significant impact on mortality. **Conclusion:** Methanol poisoning .causes major neurologic effects such as coma and blindness. It is also responsible for high mortality

## کلمات کلیدی:

blindness, Methanol, Mortality, Neurologic manifestations, Poisoning

## لینک ثابت مقاله در پایگاه سیویلیکا:

