

کد مقاله:

لطفاً فرم زیر را با دقت تکمیل نموده و با پیوست تصاویر و مستندات بالینی به ایمیل کنگره ارسال فرمائید. تکمیل همه موارد خواسته شده الزامی است، در صورت ناقص بودن از ارجاع مقاله شما به داوری معذوریم.

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چکیده مقاله:

**عنوان:**

## Unilateral Retinopathy Caused By Methanol Intoxication

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مقدمه:

Methanol intoxication is a severe and often blinding disease. Irreversible visual loss may occur within hours to days after ingestion. Treatment regimens are aimed at controlling acid-base balance, removing the toxic agent by hemodialysis, or using ethanol solution as a competitive drug.(1)

معرفی بیمار:

A 45 year-old man referred to toxic emergency of Loghman Hakim Hospital complaining of bilateral blurred vision, vomiting, nausea. His vital signs were stable and he had a history of drinking alcohol two days ago.

Laboratory tests revealed:

PH: 7.16	FBS : 140	AST:27	PT:11.2	Ethanol: Negative
HCO <sub>3</sub> :9.2	UREA: 28	ALT: 25	PTT:29.9	Acetaminophen<5
PCO <sub>2</sub> :9.2	Cr:1.4	ALP:273	INR:1.03	Aspirin: Negative
Na: 141				Methanol: 12.2
K:5.1				

Patient's history, clinical signs and laboratory test results confirmed methanol toxicity so emergency hemodialysis was done for 4 hours. After hemodialysis right eye's vision was corrected but not left eye's. Considering patient's condition hemodialysis was done for the second time, but he still suffered from central field loss in left eye. Due to metabolic acidosis correction he was referred to ophthalmology which revealed left retinopathy due to methanol intoxication.

بحث و نتیجه گیری:

The clinical features of methanol intoxication are usually limited to the eyes, central nervous system and gastrointestinal tract. (2, 3, 4, 5) Visual symptoms are common but vary in severity. These include spots in front of the eyes, blurred vision, photophobia, reduced visual acuity and central field loss which may progress to complete blindness. In this case systemic toxicity was presented but retinopathy didn't occur in both eyes – just in the left eye.

کلیدواژه ها :

Unilateral Retinopathy, Methanol toxicity

منابع

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