پیشگیری از تشنج ناشی از ترور توسط پیمان‌های مراجعه می‌گردد

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پیشگیری از تشنج ناشی از ترور توسط پیمان‌های مراجعه کننده به بخش اورژانس

بیمارانی که سر یکی از علت تشنج است و حدود 10% بیماران با ترور تیاد آندو و یا ترور بی‌دیا می‌توانند مشکلات انتقالی و خرابی‌های قلبی را داشته باشند. در این مقاله، تحقیق بیمارانی که سر یکی از علت تشنج است و حدود 10% بیماران با ترور تیاد آندو و یا ترور بی‌دیا می‌توانند مشکلات انتقالی و خرابی‌های قلبی را داشته باشند.

تأثیرات سطحی و دیگر اعضا ترور با تهیه‌های انتقالی و خرابی‌های قلبی را داشته باشند.

LETTER TO EDITOR

Preventing Seizure due to Head Trauma in Patients Visiting Emergency Department

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Abstract

Head trauma is a known cause of seizure and about 10% of patients with severe or moderate head trauma are affected with seizure. Preventing and controlling seizure after head trauma is of great importance for minimizing secondary brain injuries. Depending on their time of occurrence, post-trauma seizures are divided into 3 types, namely immediate seizures, early seizures, and late seizures. Immediate seizures occur within less than 24 hours after the trauma, while early seizures happen in less than a week and late seizures happen more than a week after trauma. Phenytoin is an antiepileptic drug that is widely prescribed for preventing seizure in trauma patients. This drug has nonlinear pharmacokinetics even in therapeutic doses and its prescription requires cardiac monitoring, continuous monitoring of the drug’s plasma levels and dose adjustment. Studies have shown that phenytoin prevents early seizures but is not effective in decreasing late seizures. On the other hand, in most cases, due to pharmacokinetic changes in patients with head trauma, blood concentration of phenytoin is outside the therapeutic range and determining its serum levels cannot always be done. Therefore, finding replacement treatments for preventing seizure in these patients is necessary. Sodium valproate is an antiepileptic drug that is usually used along with other drugs for treating different types of epilepsy. This drug decreases electric discharges in the brain. Sodium valproate is also used for prevention of seizure attacks. The side effects of this drug are rare and mostly unimportant. The authors of this letter randomly divided 70 patients presenting to emergency department with severe head trauma (consciousness level of 8 or less on Glasgow coma scale) with the mean age of 36.41 ± 14.81 years (18 – 64) into 2 groups of 35 and prescribed phenytoin for 1 group and sodium valproate for the other as antiepileptic drugs and monitored them for 6 hours (91.4% male). The 2 groups were not significantly different regarding baseline characteristics. The results of this study showed that out of the 5 patients who had seizure during the first 6 hours, all 5 were in the group receiving phenytoin. It seems that before reaching a conclusion in this regard, studies with larger sample sizes and longer follow-up periods are required for comparing the efficiency and side effects of the mentioned drugs in prevention of seizure due to trauma.