

عنوان مقاله:

HN-00510035_The Effects of Taurine Supplementation on Posttraumatic Seizure in Patients with Traumatic Brain Injury

محل انتشار:

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خلاصه مقاله:

Introduction: Patients with traumatic brain injury (TBI) may suffer from seizures within the first week after injury. Evidence suggests that the use of an antiepileptic agent is beneficial in preventing early post TBI seizures. Therefore, the aim of this study was to evaluate the effect of Taurine supplementation on seizure in TBI patients. **Methods:** Thirty-two patients with TBI (GCS = 6-9) were randomized into treatment and control groups. The treatment group received 30 mg/kg/day of Taurine in addition to the Standard Entera Meal, while the control group received Standard Entera Meal for 14 days. Patients were evaluated for seizures during the study period. Data was analyzed using SPSS software (version 13.0). The two-sided significance level was considered $p < 0.05$. **Results:** The results of this study showed that 1 patient (6.3%) in the intervention group and 5 patients (31.3%) in the control group experienced seizure during the study period. Although this difference may be clinically significant, it was not statistically significant ($p = 0.172$). **Conclusion:** According to the results of the present study, the incidence of post-TBI seizures was reduced by taurine supplementation. Due to safety issues, low dose of taurine was used in this study. Taurine could be considered along with other therapeutic approaches in preventing seizures in TBI patients in the future.

کلمات کلیدی:

taurine, TBI, Traumatic brain injury

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