

عنوان مقاله:

Study of the Effects of Hydro-methanol Extracts of *Lavandula vera* DC. and *Cuscuta epithymum* Murr. on the Seizure Induced by Pentylentetrazol in Mice

محل انتشار:

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خلاصه مقاله:

Introduction: Epilepsy is the second most common nervous disorder after brain stroke. In spite of present anticonvulsant drugs, researchers need to search for drugs with better efficacy and less side effects. Medicinal plants with various natural components so that different properties are suitable field for investigation. In this study, anticonvulsant effect of *Lavandula vera* DC. and *Cuscuta epithymum* Murr. were investigated. **Methods:** After collection and identification, percolation extract of the plants were prepared by methanol ۸۰% and different doses of extracts were injected intraperitoneally in to mice. Pentylentetrazole (PTZ) with dose of ۹۰ mg/kg was used for induction of seizure. Changes in the onset time of seizure, duration of seizure, percent of mortality and the percent of seizure protection were determined in different groups. **Results:** Different doses of extracts of *Lavandula vera* and *Cuscuta epithymum* delayed the onset of seizure ($P < 0.01$), but the duration of seizure did not change significantly. Pretreatment of animals with different doses of extracts decreased the mortality rate significantly ($P < 0.01$), the percent of seizure protection was also greater than control group significantly ($P < 0.05$). The most effective dose of *Cuscuta epithymum* and *Lavandula vera* were ۱۰۰ mg/kg and ۵۰ mg/kg respectively. **Conclusion:** It seems that *Cuscuta epithymum* and *Lavandula vera* have effective anticonvulsant component, however more investigations are needed in this field.

کلمات کلیدی:

Lavandula vera, *Cuscuta epithymum*, Seizure, Pentylentetrazole

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