




بیست و یکمین کنگره بین المللی فیزیولوژی و فارماکولوژی ایران
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| Themes : | علوم اعصاب |
| Title : | Neuroprotectivity Role of MK801 NMDA Receptor Antagonist on Electrical lesion of Amygdala Represented in Anxiety-Like Behavior |
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| Abstract : | Abstract MK-801 is a non-competitive antagonist of N-methyl-D-aspartate (NMDA) receptor. The balance between excitatory transmitters and inhibitory transmitters is identified sometimes in epileptic seizure. The amygdala performs important roles in the formation and storage of memories associated with emotions including anxiety. We investigated the antiepileptic and anxiety effects of MK-801 on amygdala kindling in rats, which resembles complex partial epilepsy. In this project kindling of amygdala by electrical lesion which presented by stimulation the CeA area after that Microinjection of MK801 0.75µg/kg in the kindling area is may indicate neuroprotection from secondary injury. The result from now It seems the rats were confronted electrical lesion indicated specific decreases in the percentage of open arm time and percentage of open arm entries in elevated plus maze Significantly. These data support a singular role for the NMDA receptor blocker in pathogenesis of injury to amygdala neuron from even brief period of severe electrical lesion. |
| Keywords : | Neuroprotectivity, NMDAr, Electrical lesion, Amygdala, Anxiety-Like Behavior |