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Title :	Chronic stress impairs spatial memory in rats
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Abstract :	The aim of this study was to investigate the effects of chronic stress on spatial memory. Adult, male Wistar rats (180 ± 20 g) were used in this study. Rats randomly were divided into two groups control and chronically stressed group.in each group there are 20 adult male rats are existed. To induce chronic stress, we used from immobilization in restrainer 6 h daily for a total day 21 days. Rats trained with six trials per day for 6 consecutive days in Morris Water Maze. Probe test was performed 24 h after the last training session and latency to location of platform, distance traveled and swimming speed were recorded. The results of present study showed that stress significantly increased escape latency and distance traveled comparing with control group. Also, there was no significant difference in the swimming speed between all of groups. We conclude that chronic stress impaired spatial memory.
Keywords :	Chronic stress; Morris water maze; Memory; Rat