

EFFECTS OF SALVADORA PERSICA EXTRACTS ON MICE EXPLORATORY LOCOMOTION ACTIVITIES

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Summary

The effects of *Salvadora persica* extracts on mice exploratory locomotor activities and stereotype movements have been determined. Mice injected with *Salvadora persica* extracts showed significantly low exploratory locomotor activity. The total distance travelled by naive mice injected with saline, during the first 5 min of introduction into an activity cage (Session 1) was 1007 ± 105 cm/5 min, in contrast to 800 ± 75 , 540 ± 100 and 330 ± 55 cm/5 min for naive mice injected i.p. with 5.7, 14.3 and 28.6 ml/kg *Salvadora persica* extract. The exploratory locomotion of *Salvadora persica* treated mice declined faster than that of the controls. Mice injected with *Salvadora persica* extract also showed a significantly lower number of stereotype movements ($P < 0.05$). The stereotype movements of the control was 175 ± 5 movements/5 min and 90 ± 10 , 118 ± 15 and 35 ± 11 for mice injected with 5.7, 14.3 and 28.6 ml/kg, *Salvadora persica* extract, respectively.