

## عنوان مقاله:

Effectiveness Onosma. stenosphon root extract on zoonotic cutaneous leishmaniasis in BALB/c mice

## محل انتشار:

کنفرانس علوم کشاورزی و محیط زیست (سال: 1392)

تعداد صفحات اصل مقاله: 10

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## خلاصه مقاله:

Onosma stenosphon Boiss. (Boraginaceous) is locally known as kho Choubeh in areas southern of Kerman province, Iran, which has been used by the people as anti-inflammation and antiseptic to treat skin burns and wound healing. Leishmaniasis is wide range, worldwide, without drug, vaccine, and has not sterile immunity. Onosma stenosphon root (OSR) has disinfectant properties at the site of the wound and its antimicrobial has been proved. Sufficient of OSR were minced and they were dissolved in Ethanol 80%. Prepared as topica with concentration of 0.00, 0.08 and 0.80%. In the laboratory, 00 BALB/c mice were infected with the parasite Leishmania (L) major [MRHO/IR/50/ER], they were divided into four groups, control group and three groups that received 0.00, 0.08, and 0.80% concentrations of the extract OSR. As well, the foot and the size of the lesion and weight measured every week until the death of the last mouse in the control group. The aim of the present study was effectiveness survey OSR extract on cutaneous leishmaniasis in infected BALB/c mice. Average weight of mice receiving extracts each other and with an average weight of control mice showed no significant difference ( $P > 0.000$ ). Average diameter ulcer mice receiving extracts each other and with an average diameter size of mice control mice showed significant difference ( $P = 0.0000$ ). Determine the average size of the spleen (mm) and compare survival time (days) in any study group which was not significant ( $P > 0.000$ ). The results show that strain of leishmania major was sensitive to OSR extract, topical use of OSR extract in the treatment of cutaneous leishmaniasis wounds causes to be the growth slower diameter size but it does not remove the whole parasite from the body.

## کلمات کلیدی:

Cutaneous Leishmaniasis, Onosma stenosphon root, BALB/c Mice, Extract

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