



بیست و یکمین کنفرانس بین المللی فیزیولوژی و فارماکولوژی ایران

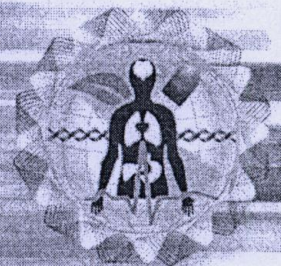
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Themes :	گیاهان دارویی و طب سنتی
Title :	Comparative treatment of animal model cutaneous Leishmaniasis with Glucantime and Herbal product
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Abstract :	<p>INTRODUCTION: Leishmaniasis is one of the six most common parasitic infections in tropical regions. There are different therapeutic modalities. However therapeutic resistance is developed and resulted in numerous problems. So evaluation of other therapeutic modalities is performed extensively. We compared the therapeutic response of cutaneous leishmaniasis with Glucantime and herbal product in animal model. METHODS: This experimental study was conducted in Shahed University during 2008-2009. The therapeutic response of cutaneous leishmaniasis to Glucantime and Garlic extract and it's R10 fraction , Aloe vera and Ghoroh crème(that used at traditional medicine) in animal model was studied in BALB/c and C57BL/6 mice. These two races were divided in six groups according to receiving either one of these five agents or no treatment (control). The therapeutic response was evaluated according to parasitic load before and after treatment and also with measuring the size of the lesions. RESULTS: The results showed that R10 fraction had good therapeutic efficacy in treatment of lesions in mice ($P < 0.05$) that this efficacy was significant in sixth, seventh and eighth weeks after the treatment. There was also a statistically significant difference between the groups regarding the parasitic load ($P < 0.05$). CONCLUSION: According to the results, it may be concluded that R10 fraction from Garlic extract would have a good efficacy in treatment of cutaneous leishmaniasis that is comparable with glucantime.</p>
Keywords :	Leishmaniasis, Treatment, Animal model, Glucantime, herbal product