

## عنوان مقاله:

The Combined Effects of Nano-Zinc, Nano-Albumin and Honey in Healing the Wounds Caused by Third-Degree Burn in Male Mice

## محل انتشار:

سومین کنگره بین المللی و پنجمین کنگره ملی زخم و ترمیم بافت (سال: 1397)

تعداد صفحات اصل مقاله: 1

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## خلاصه مقاله:

Background: Previous studies showed that sesame oil stimulates fibroblast production in vitro and in skin wounds. There is more evidence based on therapeutic properties of honey. Therefore in this study, we observe the effect of the combination of sesame oil, honey and cucurbita on locally healing wounds caused by the third- degree burn. Methods: in this experimental study, 24 adult balb/c mice randomly divided into experimental groups. Mice sacrificed and a sample of wound bed was provided and fixed in formalin. The practical histologic process was performed on them. The samples were stained with Mallory trichome method and microscopic observations were performed on them. A Part of the sample was frozen to extract protein and performing MDA test and measuring total antioxidant in future. Results: A complete tightening of the wound and less scar was observed in the macroscopic observation of burn wound surface after treatment in the group treated with sesame and pumpkin (treatment group 5) compared to control group and other groups. In the microscopic assessment, a significant increase ( $p<0.05$ ) was observed in the total thickness of skin, number and diameter of the hair follicles in the experimental group compared to other groups. Discussion: Results show that the combination of sesame and pumpkin with different percentage accelerates the healing burn wound in balb/c mice , while using the above-mentioned matters individually have fewer effects on .improvement compared to the combination form

## کلمات کلیدی:

Sesame, Pumpkin, Honey, Male Balb/c mice, Third-Degree Burn

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/803027>



