

عنوان مقاله:

The Effects of Olive Leaf Extract Ointment on Third-Degree Burn in Rat

محل انتشار:

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خلاصه مقاله:

Due to the prevalence of burns and the necessity of effective treatment with low and optimal complications, in the present study, the efficacy of olive leaf extract ointment was evaluated as a therapeutic substance for burn wounds. Moreover, the healing effects of olive leaf extract ointment were compared to Silver Sulfadiazine. ۳۶ rats were used in the present study. To create a burn wound, a rectangular piece of copper (۲ x ۱ cm) was put in ۹۴°C water for ۲۰ minutes and then placed on the rats' skin for ۲۰ seconds. Then, the rats were randomly divided into three groups; ۱) Sham group: Rats did not receive any treatment and just the wound was washed with distilled water. ۲) Control group: In this group rats were treated with silver sulfadiazine. ۳) OLE group: ۱۰% olive leaf extract ointment was employed to treat the wounds. Wounds were macroscopically examined during days ۴, ۷, ۱۴, and ۲۱. Histopathological assessments were performed on days ۴, ۷, ۱۴, and ۲۱ in various studied groups. Results revealed that wound contraction was higher in the OLE group compared to the sham and control groups and histopathological examinations indicated that OLE improved wound healing in comparison to the sham group.

کلمات کلیدی:

Olive Leaf Extract Ointment, Burn, wound healing, Rat

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