

عنوان مقاله:

Histomorphological examination of skin wound healing under the effect of avocado oil in Wistar rats

محل انتشار:

چهارمین کنفرانس بین المللی علوم کشاورزی، گیاهان دارویی و طب سنتی (سال: 1400)

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خلاصه مقاله:

Objective: Given the presence of most fatty acids and proven anti-inflammatory properties in avocado oil, the present study was an attempt to examine its effect on the skin wound healing process in rats. Material and Methods: a total of ۳۰ rats with the same weight range were randomly divided into three groups, including control, treatment with avocado oil, and treatment with phenytoin after anesthesia and creating a full-thickness skin wound with an area of ۴ cm behind them. Wound healing was examined histologically and wound area was examined during the third, seventh and fourteenth days. Results: Based on results of the present study, a significant relationship was observed between the group treated with avocado oil and the group treated with phenytoin in terms of wound area in rats ($p < 0.05$). On the studied days, the wound area of the group treated with avocado oil was significantly smaller than that of the group treated with phenytoin and the control group. Conclusion: The research results revealed that avocado oil can increase collagen synthesis, reduce the number of inflammatory cells, accelerate the process of coagulation and accelerate the regeneration of epithelium and accelerate the healing process. Hence, it can be an appropriate option for the treatment of skin wounds.

کلمات کلیدی:

Avocado, Phenytoin, Skin Wound Healing, Rat

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