

عنوان مقاله:

Study of Alcoholic Extraction of Amaranth on Wound Healing of Diabetic Male Wistar Rats

محل انتشار:

کنفرانس بین المللی علوم کشاورزی، گیاهان دارویی و طب سنتی (سال: 1396)

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خلاصه مقاله:

Introduction: Diabetes is a metabolic disorder, which is characterized by hyperglycemia resulting from defects in insulin secretion and impaired pancreatic function. With regard to the medicinal properties of amaranth, this study was conducted to investigate the effects of amaranth on skin histomorphological changes in diabetic rats. **Methods:** In this study, 44 male Wistar rats were divided into four groups (negative control group, positive control group, first experimental group, and second experimental group). In these rats, an injured area of 3cm² was created on the left spine. Wound healing was evaluated microscopically. **Results:** Wound healing in group that became diabetes using streptozocin, showed late recovery compared to normal wound healing in normal groups and wound healing in experimental groups treated with alcoholic extraction of amaranth was accelerated compared to control group. **Conclusions:** Results of this study showed that alcoholic extraction of amaranth causes accelerated skin wound healing in normal and diabetic samples.

کلمات کلیدی:

Wound Healing, Alcoholic Extraction of Amaranth, Diabetic Wistar Rat

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