

Effects of Alcoholic Extract of Grape Seed (*Vitis Vinifera*) on Wound Healing Diabetic Male Wistar Rats; A Histomorphometric Study

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ABSTRACT

Background: Diabetes is a metabolic disorder characterized by hyperglycemia resulting from defects in insulin secretion and impaired pancreatic function appears. With regard to the medicinal properties of black grape seed, this study examined the effects on skin Histomorphometric wound healing changes in diabetic Wistar rats was performed.

Material and Methods: In this study 48 male Wistar rats into four groups (negative control, positive control, The first experimental ,The second experimental) were divided. Groups tested in the injured of 3 cm length wounded were created on the left of vertebral column. The wound healing was evaluated microscopically and macroscopy.

Results: Compared with normal wound healing in diabetic groups were later and Wound healing in experimental groups treated with *Vitis Vinifera* more quickly than the control and first experimental groups, respectively.

Conclusions: In this study the skin ointment *Vitis Vinifera* accelerate the wound healing is normal and diabetic samples.

Keywords: Wound, Grape Seed, Rat, Diabetes