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**Wound Healing Activity of Ethanolic Extract of Leaves of
Cucurbita Pepo Linn. In Wistar Albino Rats**

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ABSTRACT:

Traditionally *Cucurbita pepo* L. were claimed to possess wound healing activity. The present study of ethanolic extract of *Cucurbita pepo* L. was subjected to evaluation of wound healing activity in Wistar albino rats. Wound healing activity was evaluated by excision wounds and resutured incision wounds by using different concentration of ointment (5% and 10% w/w ointment of leaf extract in simple ointment base). Both concentrations of the ethanolic extract ointment showed significant responses in both models i.e excision and incision when compared with the control group. 5% & 10% ointment of EECp were applied topically on the wounds of rats and observed wound contraction, percentage of wound closure & period of epithelization in excision model and tensile strength is checked by constant water flow technique in incision model. Both 5% & 10% (w/w) extract showed significant wound healing activity by increasing percentage of wound contraction, reducing epithelization period and tensile strength. The wound healing effect was dose dependent. The wound healing activity of EECp may be due to the phytochemical constituents present in extract such as alkaloids, flavonoids, tannins and gums.

Keywords: *Cucurbita pepo* L., Wound healing, Excision, Incision, Soframycin

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