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Wound Healing Activity of *Bauhinia purpurea* in Albino Wistar Rats

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ABSTRACT

Background and Aim: The entire wound healing process is a complex series of events that begins at the moment of injury and can continue for months to years. The stages of wound healing are inflammatory phase, proliferation phase, fibroblastic phase and maturation phase. The objective of our study is to investigate wound healing activity of the methanolic leaf extract of *Bauhinia purpurea* Linn in rats.

Method: The leaf extract of *Bauhinia purpurea* (200 mg/kg/day) was evaluated for its wound healing activity in albino rats using excision and incision wound models.

Results and Conclusion: *Bauhinia purpurea* leaf extract treated animals exhibited 83.42 % reduction in wound area when compared to controls which was 76.22 %. The extract treated wounds were found to epithelize faster as compared to controls. Significant ($p < 0.001$) increase in granuloma breaking strength (485 ± 34.64) was observed. The povidone iodine ointment was used as standard.



Aims & Scope

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