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Histological Evaluation on Brazilian Green Propolis Effect in Tissue Repair of Wistar Rats Cutaneous Wounds

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***SUMMARY*. This study aimed to evaluate the action of Brazilian green propolis (5%) topic use on cutaneous wound healing in rats, by inflammatory cell counting. Ten Wistar rats were separated in groups 24 h and 72 h, were trichotomized under anesthesia on cervical-dorsal region, and 2 wounds were provoked with a biopsy punch (5 mm diameter). Left wound underwent Brazilian green propolis topic treatment, and right wounds received nothing. Tissue samples were processed for light microscopy with hematoxilin-eosin., and leucocytes, macrophages and fibroblasts were counted using a histometric reticule in ocular lens. In both groups, within 24 and 72 h evolution, treated wounds demonstrated significant bigger means for leucocytes, macrophages and fibroblasts. Brazilian green propolis resulted in inflammatory cell quantity increase, suggesting its action on tissue repair process.**

KEY WORDS: Baccharis, Propolis, *Wistar* rats, Wound healing.

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