



Evaluation of the Contraction of Cutaneous Wounds in *Wistar* Rats Treated with Brazilian Green Propolis Gel

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SUMMARY. In this work the effects of topic use of Brazilian green propolis gel in the contraction of wounds performed in rat's skin was evaluated. In ten female *Wistar* rats were done four wounds in dorsal region. Two wounds in each rat were treated daily with Brazilian green propolis gel during 10 days. The wounds were photographed daily, and the images were analyzed with ImageJ software, in order to measure wound areas and evaluate wound contraction. In the graphic analysis, treated group and control group had similar behavior, and both evolved for complete closure in 10th experimentation day. The wound clots fell down before in treated wounds. Green propolis in the gel formulation at 5% in topical use had not effect in the process of wound contraction. The macroscopic visualization of the contraction of wounds, by itself, does not seem to be a good indicator of the process of tissue repair.

KEY WORDS: *Baccharis*, propolis, *Wistar* rats, wound healing.

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