

Brazilian Oral Research

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Abstract





[SILVA, Fabiane Bortoluci da](#); [ALMEIDA, Juliano Milanezi de](#) and [SOUSA, Simone Maria Galv de](#). Natural medicaments in endodontics: a comparative study of the anti-inflammatory action. *Braz. oral res.* [online]. 2004, vol.18, n.2, pp. 174-179. ISSN 1806-8324. doi: 10.1590/S1806-83242004000200015.

The objective of this study was to evaluate the irritant potential of propolis, *Casearia sylvestris*, Otosporin and saline solution (control). Twenty-eight male Wistar rats were selected, anesthetized and four experimental sites were designed on their backs. Injections of 2% Evans blue were intravenously administered in the lateral caudal vein and 0.1 ml of the tested solutions was injected intradermally into the experimental sites. The animals were killed 1/2, 1, 3 and 6 hours after the injection of the solutions. Each piece of skin containing the lesion was immersed in formamide and incubated at 45 for 72 h. After filtration, optical density was measured in a spectrophotometer. Data were statistically analyzed by a 2-way non-parametric test. The highest values of extracted dye were observed at 3 hours characterizing a peak in the inflammatory process. Propolis was the least irritant solution. The natural medicaments tested in this study may be a valuable alternative for endodontic treatment.

Keywords : Endodontics; Dental pulp cavity; Naturopathy; Anti-inflammatory agents.

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