

Brazilian Oral Research

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Abstract








[ALBUQUERQUE, Diana Santana de](#); [GOMINHO, Luciana Ferraz](#) and [SANTOS, Roberto Alves dos](#). Histologic evaluation of pulpotomy performed with ethyl-cyanoacrylate and calcium hydroxide. *Braz. oral res.* [online]. 2006, vol.20, n.3, pp. 226-230. ISSN 1806-8324. doi: 10.1590/S1806-83242006000300008.

The aim of this study was to evaluate histological aspects of the pulp-dentin complex of dogs submitted to pulpotomy and capped with ethyl-cyanoacrylate and calcium hydroxide. Thirty dog teeth were divided into 2 groups of 15 as follows: Group 1 - ethyl-cyanoacrylate; Group 2 - calcium hydroxide. The pulpotomies were carried out following all of the treatment precautions recommended for dogs. After 30 days the specimens were submitted to histological preparation and were then blindly evaluated by a histologist. Data were analyzed statistically by the Fisher exact test, comparing the two groups. After 30 days, the presence of a hard tissue barrier was observed in 83.3% of Group 1, and in 100% of Group 2 ($p = 0.478$). A continuous hard tissue barrier was observed in 50% of the ethyl-cyanoacrylate group and 75% of the calcium hydroxide group ($p = 0.652$). It can be concluded that both materials induced hard tissue barrier formation, but Group 2 had a higher percentage than Group 1, with no significant statistical differences; the differences observed between the different barriers (continuous/non-continuous) were not significant between groups and there was no pulpal necrosis in either group.

Keywords : Calcium hydroxide; Cyanoacrylates; Pulpotomy.

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