

Brazilian Oral Research

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Abstract




[BRISO, Andr?Luiz Fraga](#); [RAHAL, Vanessa](#); [MESTRENER, Sandra Rahal](#) and [DEZAN JUNIOR, Eloi](#). Biological response of pulps submitted to different capping materials. *Braz. oral res.* [online]. 2006, vol.20, n.3, pp. 219-225. ISSN 1806-8324. doi: 10.1590/S1806-83242006000300007.

Pulp capping is a procedure that comprises adequate protection of the pulp tissue exposed to the oral environment, aiming at the preservation of its vitality and functions. This study evaluated the response of the dental pulps of dog teeth to capping with mineral trioxide aggregate (MTA) or calcium hydroxide P.A. For that purpose, 37 teeth were divided into two groups, according to the capping material employed. Two dogs were anesthetized and, after placement of a rubber dam, their pulps were exposed in a standardized manner and protected with the experimental capping materials. The cavities were then sealed with resin-modified glass ionomer cement and restored with composite resin. After sixty days, the animals were killed and the specimens were processed in order to be analyzed with optic microscopy. It was observed that MTA presented a higher success rate compared to calcium hydroxide, presenting a lower occurrence of infection and pulp necrosis.

Keywords : Dental pulp capping; Biocompatible materials; Calcium hydroxide.

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