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Current Issue	Acta Medica Iranica 2009;47(4) : 155-159
Search Search About this Journal instruction to Authors Online Submission	Comparison of Calcium Hydroxide and Bloactive Glass after Direct Pulp Capping in Primary Teeth Assistant Professor, Department of Pathology, School of Dentistry, Shahed University of Medical Sciences, Tehran, Ira Corresponding Author: N. Jalayer Naderi
<ul> <li>Subscription</li> <li>Contact Us</li> </ul>	Available online: October 15,2008
RSS Feed	Abstract: Objective:
	Bioactive glass is often used as a filler material for repair of dental bone defects. In different studies osteogenic poten of this material was proved, but its dentinogenesis property is in doubt. The purpose of this study was to evaluate th histological pulp responses of Calcium hydroxide and Bioactive glass placed directly on exposed pulp tissues.
	Materials and Methods:
	Twenty teeth to be extracted due to orthodontic reasons were selected. These teeth were divided into two group and treated with direct pulp capping. Calcium hydroxide was used for 10 teeth and Bioactive glass for 10 teeth. Aft days the teeth were extracted and prepared for histological evaluation. Finally the data was analyzedwith exact Fishe test.
	Results:
	All teeth treated with Calcium hydroxide showed inflammation. Internal resorption was seen in six teeth, abscess in f teeth and dentinal bridge in two teeth. Inflammation was seen in three Bloactive glass samples and dentinal bridge in seven teeth, but internal resorption and abscess were not seen.
	Conclusion:
	Bioactive glass appears to be superior to Calcium hydroxide as a pulp capping agent in primary teeth.
	Keywords:
	Biogran; Calcium Hydroxide; Dental Pulp Capping
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