

Pulpotomy in deciduous teeth with Biodentine: Literature review

Abstract

The pulpotomy is a conservative technique of dental pulp therapy; especially indicated for teeth with incomplete rhizogenesis and extensive coronary destruction. Pulpotomy is performed in order to preserve the tooth until its physiological exfoliation. The technique of pulpotomy involves the use of biocompatible and bioactive capping materials to assist the pulp in its natural repair process. The aim of this study was to conduct a literature review of pulpotomy technique with Biodentine®. Biodentine® is a relatively new dental material, which the manufacturer claims to have improved composition based on mineral trioxide aggregate (MTA). We searched for scientific articles from years 2002 until 2016; in databases like Pubmed, Scielo, Lilacs and BBO. Most of the studies showed that Biodentine® presents satisfactory clinical results, similarity to dentin and excellent bioactivity. Some studies suggest superior dentinal repair and advantages when compared to MTA. Biodentine® can be considered a material with ideal properties for pulpotomy treatment.

Descriptors: Pulpotomy. Dental pulp devitalization. Dental pulp capping.

Meireles JR, Cornélio ALG, Salles LP. Pulpotomia em dentes decíduos com Biodentine: Revisão de literatura. R Odontol Planal Cent. 2016 Jan-Jun;6(1):22-7.