

The use of MTA in Endodontics: Literature review

Abstract

The Mineral Trioxide Aggregate (MTA) is a biocompatible material with numerous and interesting clinical applications in endodontics. MTA was introduced as endodontic material by Lee Monsef Torabinejad in 1993 and was approved for human use by Food and Drug Administration (FDA) in 1998. The material consists of insoluble residues, hydrophilic particles and mineral oxides. MTA is easy to handle with good features and adequate radiopacity properties. The aim of this study was to perform a literature review on the Mineral Trioxide Aggregate use in dentistry, in accordance with its excellent properties and biocompatibility. We conducted a literature review using survey data from the last 10 years. We conclude that MTA is a material widely used in endodontics. MTA potential to induce mineralization and its good sealing ability make MTA a very suitable material for diverse endodontic treatments.

Descriptors: Endodontics. Biocompatibility Tests. Root Canal Obturation.

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