

Cytotoxicity of MTA-based materials and calcium silicate cements

Abstract

The MTA (Mineral Trioxide Aggregate) has gain great importance in endodontics, because of its excellent biocompatibility. MTA is well tolerated by the tissues and cells, which makes it suitable for diverse treatments, including perforations of root canals and endodontic surgery. Restorative cements and endodontic sealers when used in close contact with the periodontium should present desirable biocompatibility. Therefore, the cytotoxicity of endodontic materials must be extensively evaluated. In this study, we performed a literature review focused on the cytotoxicity of the MTA-base materials and calcium silicate cements.

Palavras-chave: Endodontics. Toxicity tests. Toxicity.

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