

Clinical Applications of Mineral Trioxide Aggregate in endodontics

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Abstract

MTA® is currently considered to be the gold standard of endodontic repair cements, which has been clinically and radiologically satisfactory and has greatly attributed to postoperative bone and mucosal healing. The objective of this work is to review the clinical and radiological effectiveness of MTA® in relation to its application in different clinical protocols. In the conservative dentistry and endodontic department of Tlemcen (Algeria), five patients with different pathologies were treated. MTA® has been used in five operative protocols: apexification, treatment of external root resorptions, repairing of root perforations, apical root fractures and retrograde root canal fillings. Our therapeutic strategy was first to achieve a watertight seal by placing an MTA® apical barrier, which will secondly induce the mineralization processes. Our clinical trials show high success rates achieved with MTA®, especially in apical surgery, apart from some difficulty in handling and stability of the MTA® felt by the operator. The MTA® is therefore considered a potentially alternative material to other materials used in our endodontic service.

Biography:

Senouci Bereksi Fatima Zohra, 26 years old, from Tlemcen (ALGERIA), resident in 4th year of conservative dentistry and endodontics at the University Hospital of Tlemcen. I do a lot of scientific research concerning endodontics, I also participated in a lot of congresses including the 8th international symposium of dentistry in Monastir, Tunisia in 2018; and the French society of pediatric dentistry in Marseille, France in 2017..

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