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Treatment of dens invaginatus with anatomical modification

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Dens invaginatus is a dental anomaly that may show many different complex anatomical forms. The complexity of the internal anatomy of the root canal may create difficulties and challenges for treatment completion of the root canal. A 10-year-old girl was referred by her dentist for suffering from pain and a persistent infection arising from the maxillary left lateral incisor. After clinical examination, the case was classified as Oehler's type II due to invagination extending through the root canal with no communication with the periodontal tissue. The main canal was contained a central cylindrical mass of hard tissue. Owing to a limitation in access to the canal system and the cleaning and sealing of canal spaces, a modification of the internal anatomy of the canal system was achieved under the operating microscope. The conventional chemical and mechanical preparation with sodium hypochlorite combined with intra-canal calcium hydroxide was done. The root canal was obturated with MTA. In this case, the conventional root canal treatment and the modification of the internal anatomy were able to promote the regression of the lesion noted at 2-year follow up.

Biography

Fouad Abduljabbar is a Consultant Endodontist and Director of Dental Supplies and Materials & Equipment of Endodontics department. He is the Coordinator of Endodontic department and Clinical supervisor of Saudi Board Dental Student and dental interns, Dental services, West Region, King Abdulaziz medical City, The ministry of National Guard, Jeddah, Saudi Arabia. He is an Academic Teaching Staff at Ibn Sine Medical College, Jeddah, Saudi Arabia. He is the author of some scientific articles in reputed journals. He has presented number of dental lectures, as well as dental courses in and out of Saudi Arabia.

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