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CASE REPORT

Radiographic Diagnosis of Anomalous Root Canal Morphology in Patients with Pulpal Diseases at a Tertiary Hospital in Nigeria: A Case Series

Diagnostic Radiographique De La Morphologie Anormale Du Canal Radiculaire Chez Les Patients Atteints De Maladies Pulpaire Dans Un Hôpital Tertiaire Au Nigeria : Une Série De Cas.

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ABSTRACT

Negotiation of the intricate pulp canal space may pose a challenge in endodontic treatment. Consequently, appropriate diagnosis and thorough knowledge of the pattern and distribution of root canal systems are imperative for a more predictable outcome in the treatment of pulp diseases. Accordingly, cone beam computed tomography (CBCT) is deemed appropriate as an adjunctive diagnostic tool in endodontics. This case series presents premolars and molars with anomalous root canal distribution that were further evaluated with the aid of CBCT.

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KEYWORDS: Anomalous, Root canal, Morphology, CBCT.

RÉSUMÉ

La négociation de l'espace complexe du canal pulpaire peut poser un défi dans le traitement endodontique. Par conséquent, un diagnostic approprié et une connaissance approfondie de la configuration et de la répartition des systèmes canaux sont impératifs pour obtenir des résultats plus prévisibles dans le traitement des maladies pulpaire. La tomographie à faisceau conique (CBCT) est considérée comme appropriée comme outil de diagnostic complémentaire en endodontie. Cette étude in vitro présente des prémolaires et des molaires présentant une distribution canalaire anormale qui ont été évaluées plus en détail à l'aide du CBCT.

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MOTS CLÉS : Anomalie, Canal radiculaire, Morphologie, CBCT.

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