Abstract

Introduction: The success in endodontic treatment is obtained after thorough cleaning followed by filling the whole length of root canals. Thus, knowledge on variations in the systems of root canals is very important for cleanliness of the root canals. Objective: Evaluate the frequency of two palatal roots in the maxillary first molar as well as the capacity of cone beam computed tomography in diagnosed of this variation. Material and methods: Fifty maxillary first molars were evaluated in 37 patients using cone beam computed tomography. Results: It was found only one tooth (2%) with two palatal roots with 4 roots and 5 canals. Conclusion: The frequency of two palatal roots is low, however it must be considered. Cone beam computed tomography showed effective in diagnosed of morphology of root canals and very useful in Endodontics.

Keywords

Endodontic, external anatomy, cone beam computed tomography.