

Uses of CBCT in Endodontics

“Stop Working Blindly “

Incorrect, delayed or inadequate endodontic diagnosis and treatment planning places the patient at risk and may result in unnecessary treatment.

Treatment planning decisions using CBCT versus intraoral radiographs were compared. An accurate diagnosis was reached in 36%-40% of the cases with intraoral radiographs compared to 76%-83% with CBCT. In this study, the examiners altered their treatment plan after reviewing the CBCT in 56%-62.2% of the cases, thus indicating the significant influence of CBCT.

CBCT imaging overcomes several limitations found with conventional radiographic methods. Dimensionally accurate image acquisition and viewing in all three spatial planes eliminates superimposition of multiple roots and/or surrounding anatomic structures and provides more sensitivity with regard to the detection of periradicular pathosis, root resorption, and root fractures.