

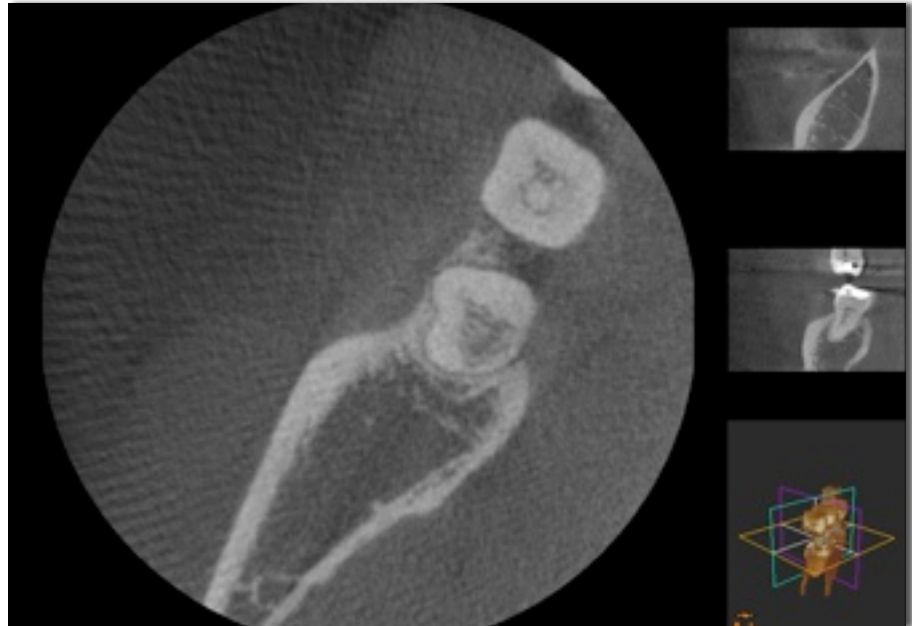
ENDONEWS

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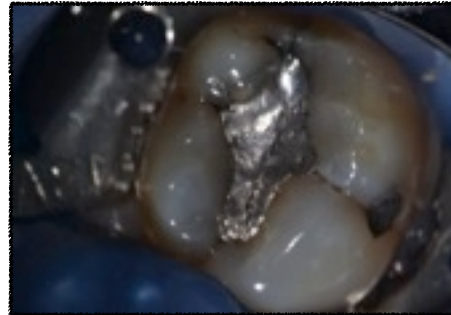
3D Endodontics (CBCT) is Here!

We are pleased to announce that the CBCT (Cone Beam Computerized Tomography) unit (Carestream 9000 3D) has been in operation at our practice for a few weeks. 3D imaging has improved our diagnostic decisions and enhanced the delivery of treatment through anatomical assessments beyond the scope of 2D radiography. We found 3D imaging helpful in detecting periapical lesion or resorption behind cortical plates, locating canals and setting up surgical plans. We welcome our referring doctors and staff to visit our office to experience the 3D imaging.

Diagnostic 3D Cone Beam Scan



Before and After Photographs



Diagnosis and Treatment of Resorption

The patient presented with mild clinical symptoms of occasional biting sensitivity. There was slight discoloration around the amalgam and crack at the distal marginal ridge. The tooth was cold sensitive without periodontal pocketing. 2D PA radiograph was inconclusive. In 3D axial view, the presence of the resorptive defect was abundantly clear. RCT was performed and the canal space was obturated with gutta percha and Bioceramic Root Repair sealer.

Preoperative condition of the tooth indicating insignificant clinical findings. Discoloration was seen around the amalgam.

Extensive resorption was noticed upon accessing the pulp chamber. The resorptive tissue was prone to bleeding and communicating with PDL.

Before and After Radiographs



2D Diagnostic Radiograph indicating insignificant presence of resorptive defect superimposed by cortical bone.



2D Postoperative Radiograph - The root canal space was obturated with BioCeramic Root Repair material.