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Practice Limited to Endodontics

Cone Beam Computed Tomography Newsletter #1

This is an introductory CBCT Newsletter giving you a glimpse into the world of three dimensional CBCT scans as used in endodontics. We installed our Kodak 9000 3D focused beam CBCT unit in September 2009 and it has enabled us to look within the bone and has increased our diagnostic capabilities therefore giving our patients the most advanced care available today. This first newsletter will highlight a case which will show the scope of its uses. Future newsletters will continue demonstrate the value of the CBCT scan for your patients.

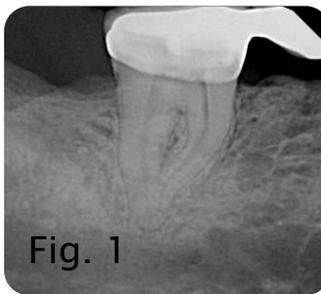


Fig. 1

A patient was referred to our office for evaluation because of continued pain over the course of six months. The dentist had repeatedly adjusted the occlusion since biting caused occasional discomfort and this seemed to relieve the symptoms. Radiographic examination (Fig. 1) showed no apical pathology and vitality testing was difficult because the tooth was a distal abutment for a bridge. During our diagnostic workup a CBCT scan was taken. Figure 2 shows that there is periapical pathology and that endodontic treatment was required which was confirmed upon access into the tooth. In Figure 3 the thickness of the buccal and lingual plate (arrows) of bone explains why no apical pathology was seen on the

conventional radiograph. The completed endodontic treatment (fig. 4) is shown.



Fig. 2

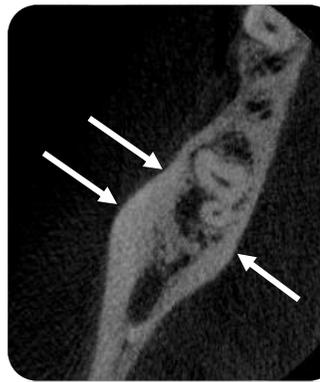


Fig. 3

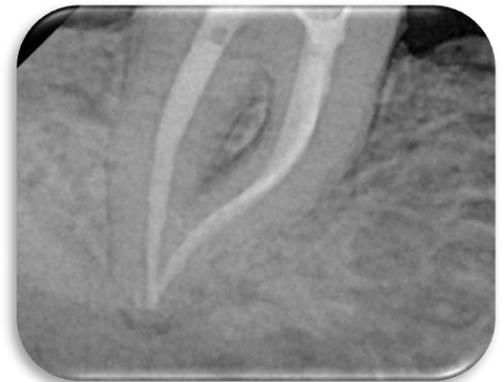


Fig. 4

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