Clinical Indications
Cracked tooth survey #13

Radiographic Examination
PANORAMIC RADIOGRAPH AND CONE-BEAM CT VOLUMETRIC SCAN OBTAINED WITH THE MORITA ACCUITOMO 170 SCANNER UTILIZING A 4 X 4 CM FIELD OF VIEW

Image Quality: Optimal for diagnosis

Radiographic findings
Endodontically treated tooth no. 13
  • Vertical fracture extending, mesio-distally at the buccal aspect of the root. The fracture extends to approximately the middle third of the root.
  • Buccal bone loss to approximately mid root, with buccal cortical dehiscence along the root.
  • The remainder of the PDL space is widened.

On the panoramic radiograph:
A radiopacity is present at the area of missing tooth no. 19, either an area of osteosclerosis or a root tip. The adjacent trabeculation is within normal limits.

The remaining bones of the face, soft tissues, airway, and maxillary sinuses are normal where visualized.

Impressions:
1. Vertical root fracture of endodontically treated tooth no. 13, with associated periradicular bone loss.

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