

Patient info:	Referred by:	Date of Scan:	Date of request:	Date of Report:
Name: ██████████ ██████████	██████████	11 Apr 2024	11 Apr 2024	15 Apr 2024
DOB: ██████████				
Clinical Data: assess for endodontic pathology around 25 previously root canal treated tooth. confirm possible lateral canals responsible for his recurring abscesses.				

The examination consists of a large volume CBCT scan of the maxilla. The individual JPEG images provided are from the multi-planar reconstructions. The spacing between the cross-sectional slices is 1 mm.

REGION OF INTEREST:	<ul style="list-style-type: none"> There is a periradicular bone loss on the palatal aspect of the endodontically treated tooth 25, which extends to the apical third of the roots of this tooth. The horizontal radiolucent line is noted on the palatal surface of the middle third of the root of this tooth, which suggests that a root fracture may be present at the site. The fracture plane may be also extending to the distal surface of the roots of this tooth. Due to presence of beam hardening artifacts, this finding could not be confirmed. Tooth 25 has been restored with an endodontic post, which extends to the middle third of the roots of this tooth. The existing obturations in the buccal and palatal canals of this tooth extend slightly beyond the radiographic apices. There is extruded sealer at the buccal root apex.
DENTOALVEOLAR FINDINGS:	<ul style="list-style-type: none"> The alveolar bone height approaches the cervical level with little loss attributable to chronic periodontitis.
PARANASAL SINUSES:	<ul style="list-style-type: none"> Trace mucosal swelling and a small antrolith are noted on the floor of the right maxillary sinus. The osteomeatal complexes are not visualized in the FOV.
NASAL CAVITIES:	<ul style="list-style-type: none"> No abnormalities detected at the imaged segments of the nasal cavity.
SOFT TISSUE:	<ul style="list-style-type: none"> No abnormalities detected.
OTHER FINDINGS:	<ul style="list-style-type: none"> No abnormalities detected.

Impressions:

1. Periradicular bone loss on endodontically treated tooth 25. The horizontal root fracture may be present on the palatal aspect of the roots of this tooth. The final diagnosis should rest on clinical and radiographic findings. The extruded sealer at the buccal root apex is a nonsignificant incidental finding.

Report by:



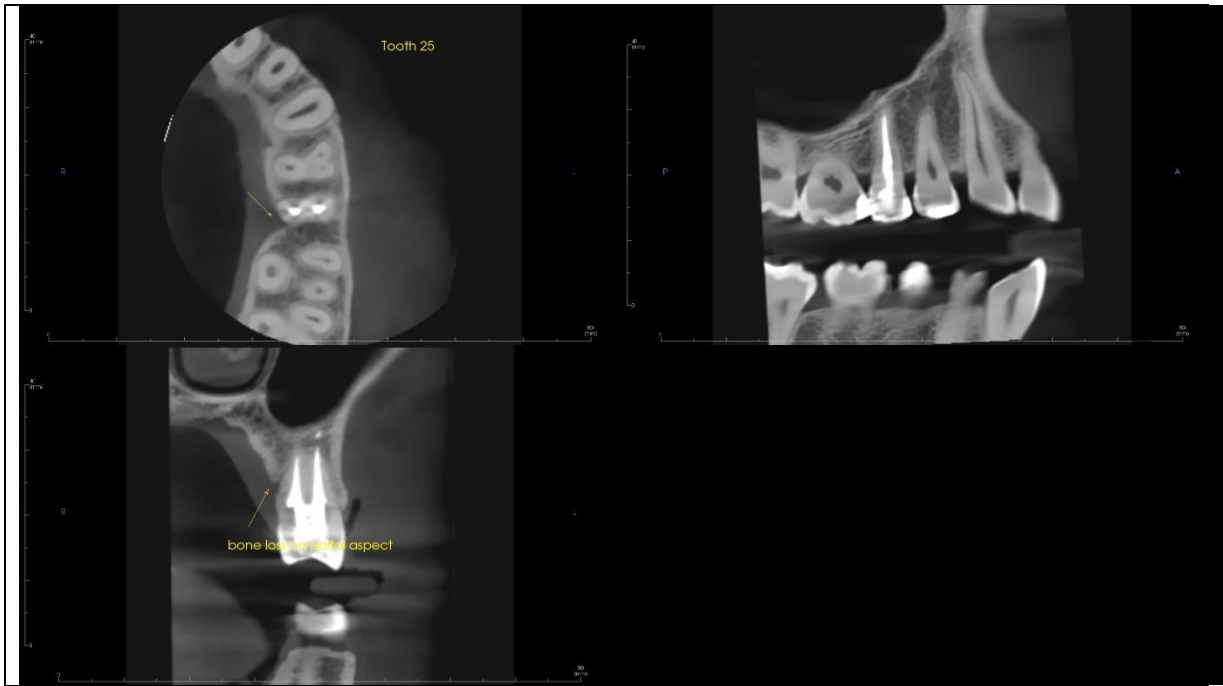
Dr.Sunil Mutalik MS, MDS, FRCD(C)

Maxillofacial Radiologist

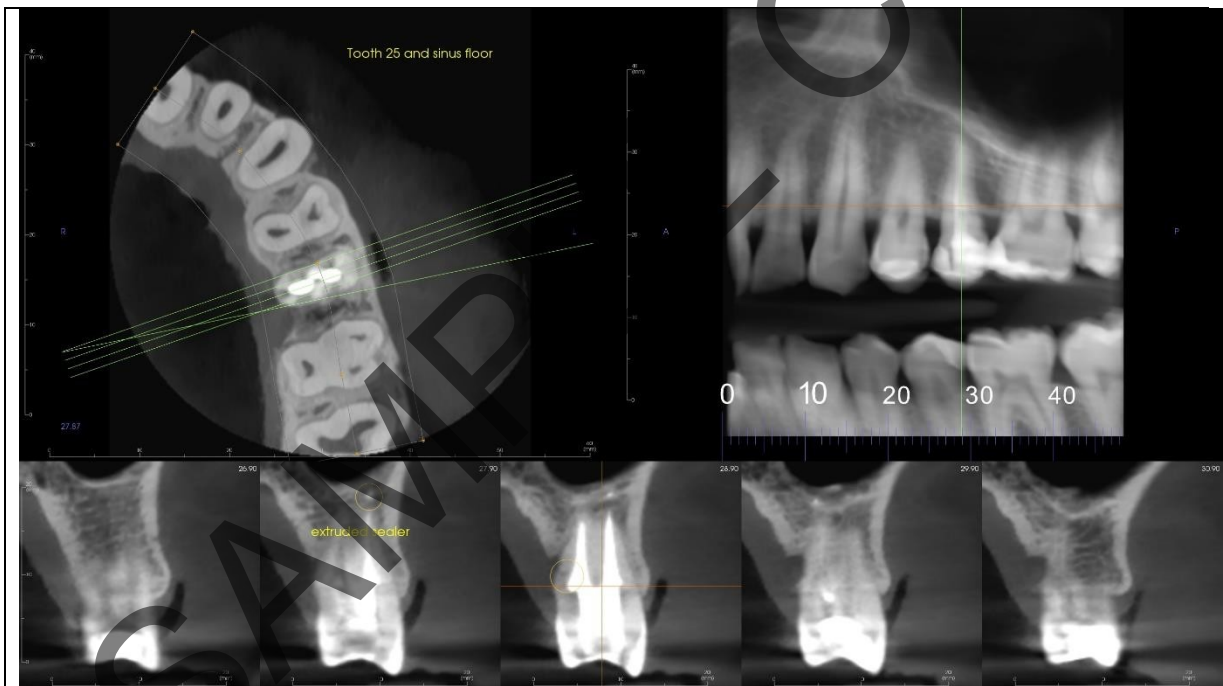


Panoramic view

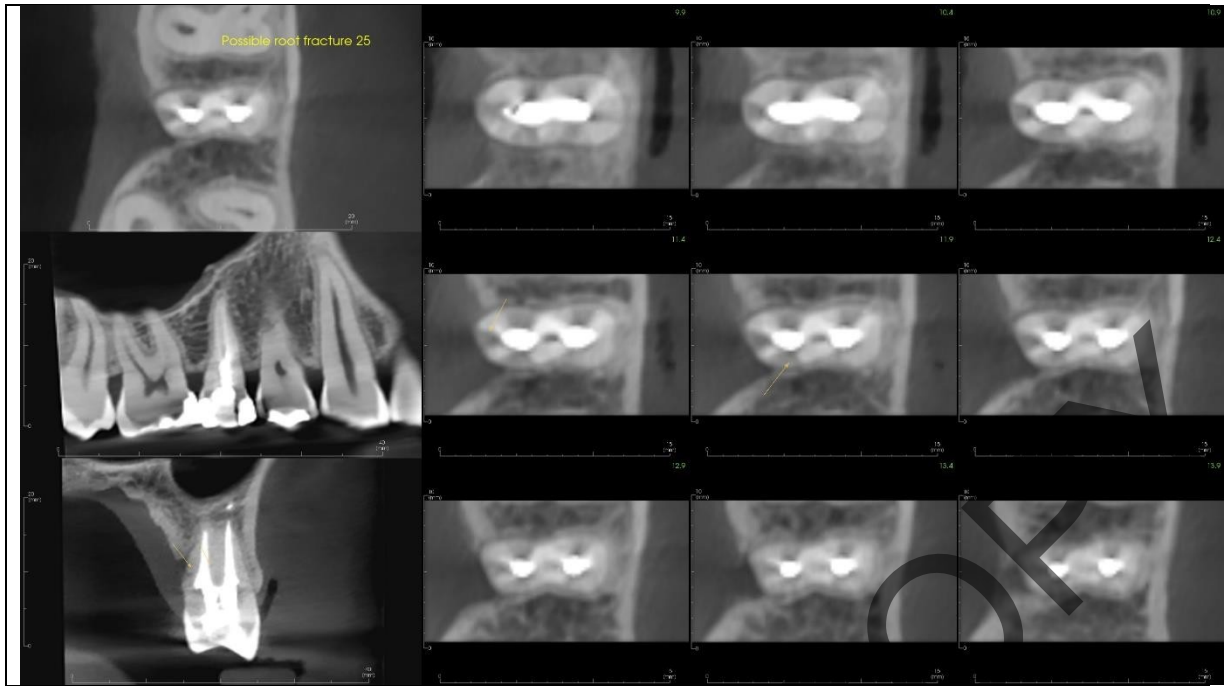
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Bone loss on tooth 25



Cross-sectional views of tooth 25



Axial views of tooth 25

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