Patient's Name:

Date of Birth:

Date of imaging study:

Date of Report: 08/14/2025

Requesting practice:

Purpose of the study: Endodontics

Relevant Notes and History: Please evaluate the upper left posterior due to recent history of a dull pressure sensitivity that seemed to localize to the #13/14 area

Pertinent Medical, dental history and any relevant medications:

Radiographic Technique:

- The provided imaging study is a small FOV CBCT volume of the left maxillary dental arch.
- The scan was reoriented and visualized using Invivo 3D software.

Dento-alveolar and Osseous Structures:

- In the left maxillary arch, #10-15 are visualized, #9 and mandibular teeth are partially captured.
- #12-14: coronal restorations, endodontically treated, no direct radiographic signs of fracture/perforation:
    - #12: Two canals which merge into one in the apical aspect with obturation up to the radiographic apex, slight apical PDL space widening is noted.
    - #13: One canal, root appears blunted at the apex, obturation up to the apical most aspect.
    - #14: Three roots, obturation in MB root appears buccally offset, which suggests presence of unfilled MB-2 canal which is not clearly visualized, slight apical PDL space widening with the MB root.

Nasal Cavity:

- Visualized left maxillary sinus shows mild peripheral mucosal thickening with intact portrayed borders.

Paranasal Sinuses:

- Minimally visualized in the imaging study, captured aspects appear clear with intact portrayed borders.

Radiographic Impression and Recommendations:

- #12-14: Previously endodontically treated, negative for direct radiographic signs of fracture/perforation, and clinical evaluation suggested for any signs of recurrent caries:
    - #12 and #14: Resolving vs persistent apical periodontitis, possible unfilled MB-2 canal with #14, correlate with treatment history and active clinical findings.
    - #13: negative for radiographic signs of apical osseous pathology

Thank you for the opportunity to serve your practice,

Sincerely,

Mayank Pahadia (BDS, MDS, MS)

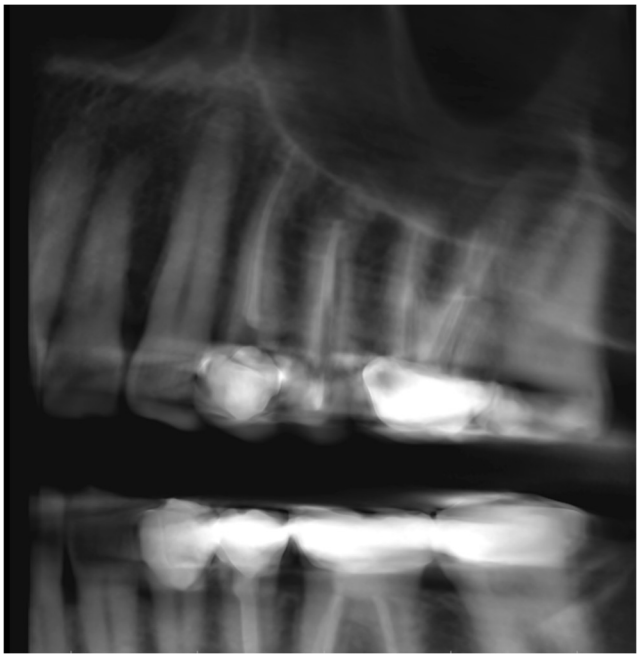
Diplomate, American Board of Oral and Maxillofacial Radiology

Consultant Oral and Maxillofacial Radiologist

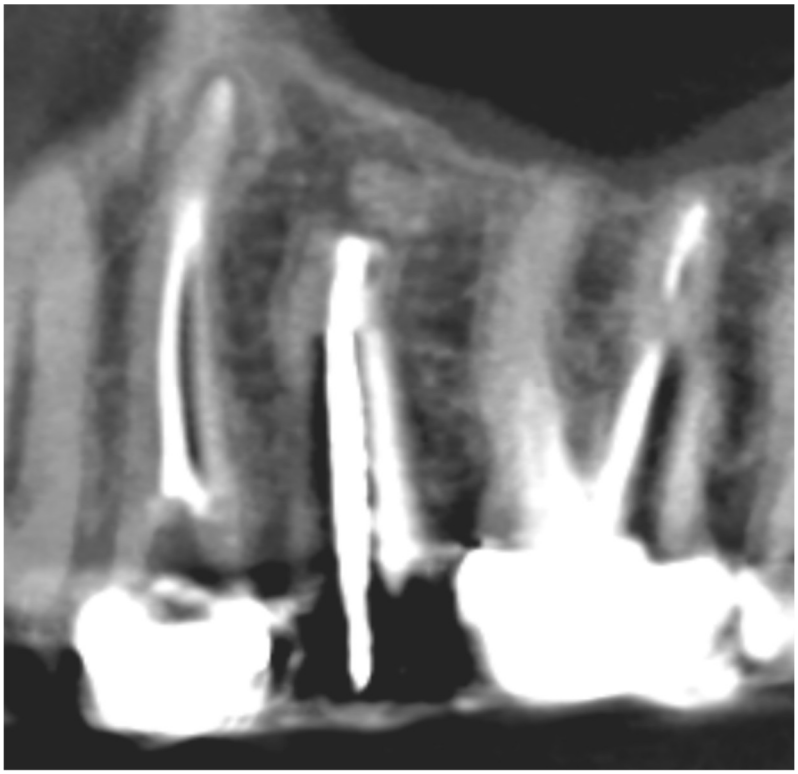
Contact: (904) 430 5010

Disclaimers:

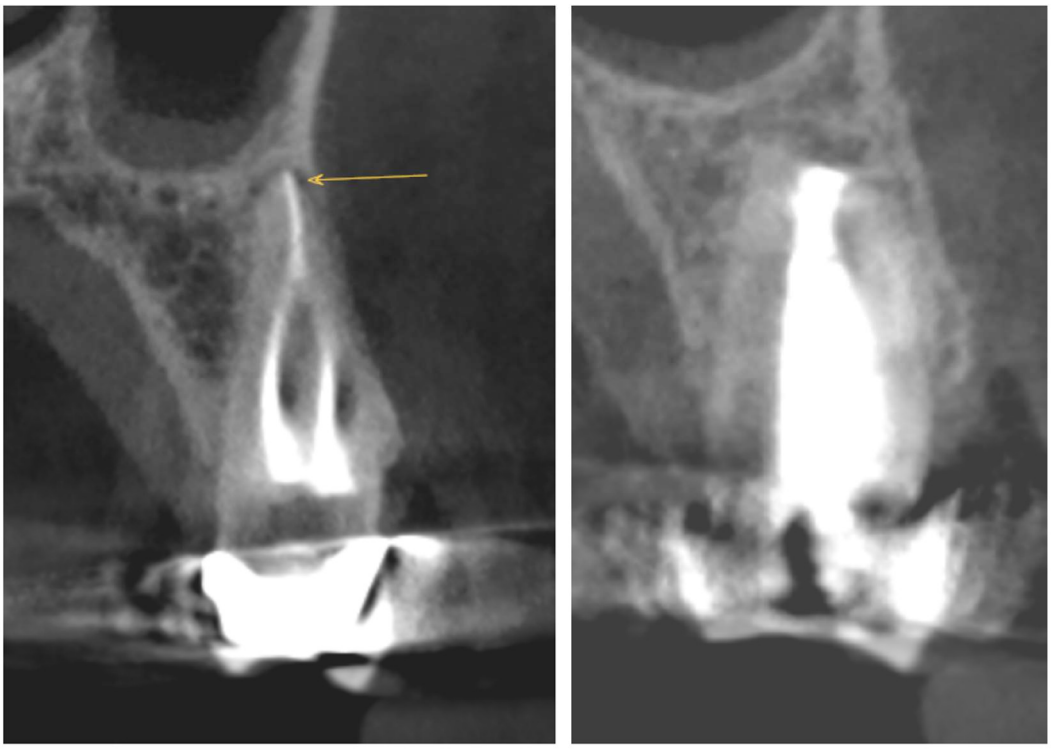
- *Please note that measurements should not be made from any attached images. These are representative slices for reference.*
- *This is a consultative report only and is not intended to be a definitive diagnosis or treatment plan.*



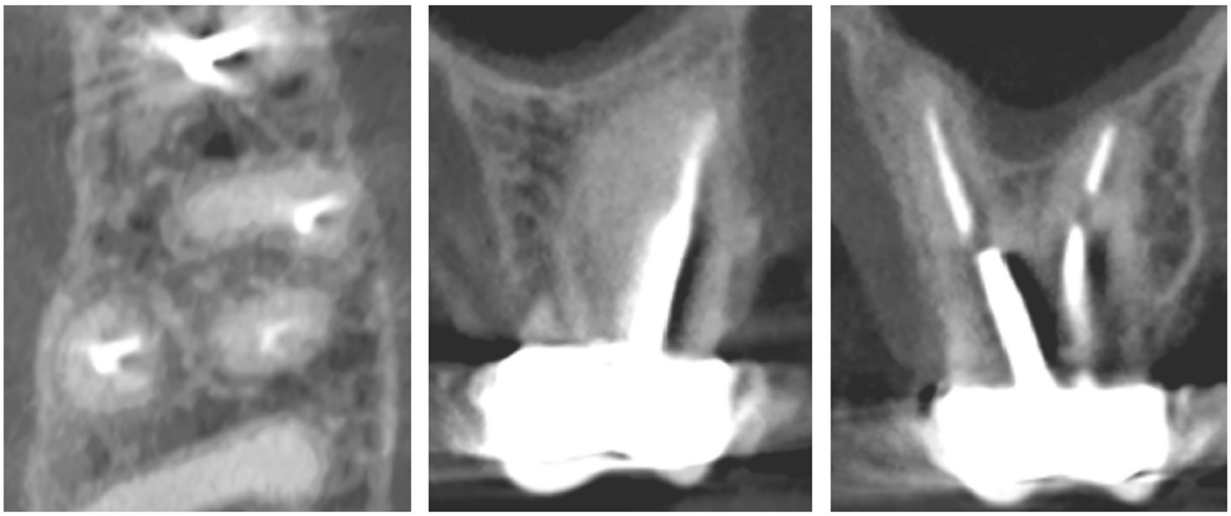
Panoramic reconstruction



#12-14 (sagittal view)



#12 and #13 (coronal views)



#14 (axial and coronal views of MB, P and DB roots)