

**Report Date:** 10/01/2024  
**Practice:** Smile dentistry  
**Ref. Doctor:** Dr. Smile

**Patient -DOB:** Jane Doe - 05/23/1979  
**Gender:** Female  
**Study Date:** 01/15/2024

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**History:** None given  
**Indications:** Apical pathology

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**STUDY INTERPRETATION:**

Medium field of view CBCT extending from the level of the middle nasal conchae to the level of the incisal edge of mandibular teeth. Beam hardening and streaking artifacts are present which may limit diagnosis. CBCT Viewer: InVivo (Osteoid) software program.

**GENERAL REPORT**

*All viewed structures determined to have no significant findings are not reported unless specifically asked.*

**Dental Findings:**

- Missing Mx teeth: #1, 4, 5, and 16.
- #3: Partial endodontic treatment. Apical PDL space is widened.
- #9: Endodontically treated. Apical PDL space is widened.
- #12: Endodontically treated. Apical PDL space is widened.
- #13: Fractured crown. Endodontically treated. A low-density lesion is noted at the apex.
- #15: Endodontically treated. A j-shaped low-density lesion is noted surrounding the palatal root.

**Paranasal Sinuses:**

- Trace of mucosal thickening is noted in both maxillary sinuses and of no clinical significance.

**Nasal cavity:**

- The nasal septum deviates to the right; anatomical variation.

**IMPRESSIONS AND RECOMMENDATIONS:**

• **Dental Findings:**

- #3, 9, 12: Possible persistent apical periodontitis vs fibrous scar.
  - Recommendations: Clinical evaluation and correlation with previous images.
- #13: Rarefying osteitis.
  - Recommendations: Clinical evaluation and correlation with previous images.
- #15 Possible vertical root fracture. No direct radiographic evidence of root fracture is portrayed in this scan; however, non-displaced fractures (and/or strip perforations) are rarely visualized in CBCT scans due to the inherent limitations of CBCT imaging. The presence of unavoidable beam hardening artifacts in this study further limits diagnosis.
  - Recommendation: Clinical evaluation and correlation with previous images.

- No additional osseous and/or soft tissue abnormalities are noted.

Thank you for considering Insight Dental Radiology for your patient's care. Please feel free to contact me if you have any questions.

Sincerely,

*Anna Liakh, D.M.D.*

Anna Liakh, DMD  
Oral and Maxillofacial Radiologist