

# Dental Imaging Diagnostics LLC

Oral and Maxillofacial Radiology Services  
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Patient Name: Lastname, Firstname  
Referring Doctor: Dr. Sample – Sample Dental  
Study: CBCT

DOB: 1960-01-01  
Sex: M  
Study Date: 2024-05-01

History: Prior E+C of dentigerous cyst associated with 32

Indications: Loud pop noise when drinking

Add-ons: ☐ Rush (24-hr TAT) ☐ STAT (3-hr TAT) ☐ Basic Airway Assessment ☐ Detailed Airway Assessment  
☐ Detailed Implant Site Assessment ☐ Comparison Study ☐ Add Reference Studies ☐ Zoom Case Discussion

Impression: 

- Evidence of non-displaced pathologic fracture along the thinned buccal cortical plate at the site of E+C of histopathologically proven dentigerous cyst near the right antegonial notch.

Study Details: 

- Medium field of view CBCT extending from the level of C1 to C3.
- Prior imaging: CBCT dated 4/27/2021 and panoramic dated 7/26/2021.
- Scan aligned to occlusal plane for review.

Dentoalveolar: 

- Missing teeth (mandible): 17, 19, 30-32.
- Osseous defects at the sites of recently extracted 17 and 32 and E+C of histopathologically proven dentigerous cyst associated with 32.
  - Evidence of a thin fracture line along the buccal cortex in the region of the antegonial notch as seen on prior panoramic imaging. No evidence of displacement or step defect.
  - Thinning of the buccal and lingual cortices seen at both sites of 17 and 32.
  - Discontinuities seen along the external oblique ridges bilaterally and buccal and lingual cortices at site of right dentigerous cyst E+C site which are likely surgical in nature.
  - Thinning of the inferior cortical border of the mandible and inferior displacement of the right IAC due to prior lesion.
  - Bone grafting seen loosely condensed within both sites, some grafting material seen within the surrounding soft tissue.
- Generalized mild to moderate periodontal bone loss.

Cervical Spine: 

- Osteoarthritic changes are seen including cervical facet arthropathy.

Signature: \_\_\_\_\_

Interpreted and signed by radiologist: Christopher D. Matesi, DDS

Verified Date: 5/21/2024



**Screenshots:** *Disclaimer: No measurements should be made from attached images. These images are only representative slices.*



Arch view in the plane of the buccal cortical plate (top) and MIP volume render (bottom) of suspected pathologic fracture near right antegonial notch.