

**Patient:**           **Patient Name**  
**DOB:**             08/03/1900

**Ref. Doctor:**     Dr. Doctor

**Scan Source:**    **Your Imaging Center**  
**Study:**            CBCT  
**Study Date:**     02/20/2013  
**Report Date:**    02/22/2013  
**Study Purpose:**  Impaction/Localization  
                          Pathology

**Dr. Notes:**        Evaluate supernumerary #15 and radiolucency in right maxilla #1 site.

---

This study is a limited FOV CBCT scan of the maxillary dental arch.

#### **OBSERVATIONS**

##### **DENTAL FINDINGS:**

All teeth are present. The third molars are unerupted.

Region of #1 – A well-defined but irregular enlargement of the follicular sac is noted coronal to tooth #1. The lesion measures ~17.8mm buccopalatally x 15mm mesiodistally x 19mm vertically. There is expansion and thinning of the buccal cortical plate in the region but it appears uninterrupted. The alveolar crest appears partly interrupted. Tooth #1 is superiorly displaced; the floor of the maxillary sinus in the region is elevated. Interruption of the sinus floor cannot be ruled out. No resorption of the distal surface or the root apices of tooth #2 is observed.

A small supernumerary tooth is present palatal to teeth #15, 16. It has a single root with an open apex and measure 10.6mm in length. The crown is mesially inclined (at the cervical root level of #15) and the root is directed distally and superiorly (level of crown of #16). No resorption of the adjacent teeth or associated pathology is observed.

**TMJs:**             The TMJs are of normal size and shape, with smooth, rounded contours. The condyle/fossa spatial relationships are within normal limits.

**SINUSES:**        Not completely visualized in the scan. Soft tissue collection is noted on the floor of the right maxillary sinus. The ostiomeatal complex is beyond the scan limits.

**NOSE:**            No abnormalities detected in the visualized portion.

**AIRWAY:**         The dimensions of the visualized portion of the airway, posterior to the soft palate, are within normal limits.

**OTHER FINDINGS:** A midline palatal torus is incidentally noted.

#### **IMPRESSIONS**

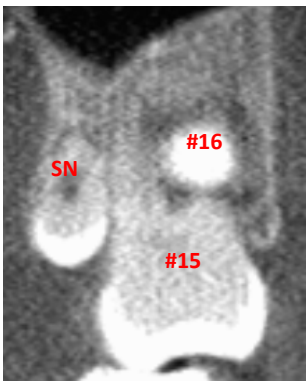
- The low density area surrounding the crown of #1 is consistent with a **dentigerous cyst**. The differential diagnosis includes a mural ameloblastoma.
- Supernumerary tooth palatal to teeth #15, 16 as noted.
- Soft tissue collection on the floor of the right maxillary sinus is consistent with mild chronic rhinosinusitis.
- Radiographic findings in the remainder of the CBCT scan are within normal limits; soft tissue evaluation is limited by the CBCT modality.

Sincerely,

Dr. OMR  
Dip., American Board of Oral & Maxillofacial Radiology



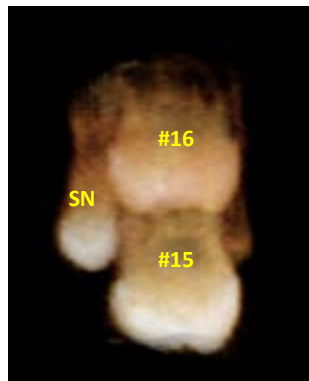
Panoramic Reconstruction



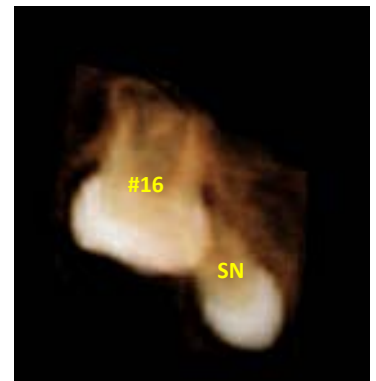
Coronal view



Sagittal view



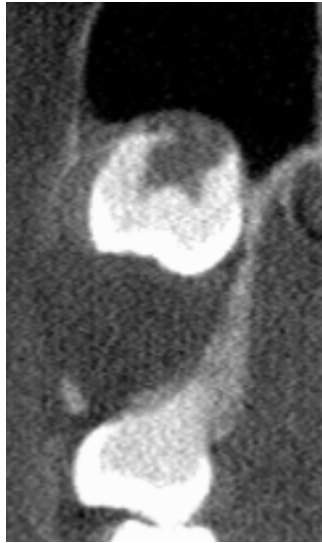
Frontal view  
3D Volume Rendering



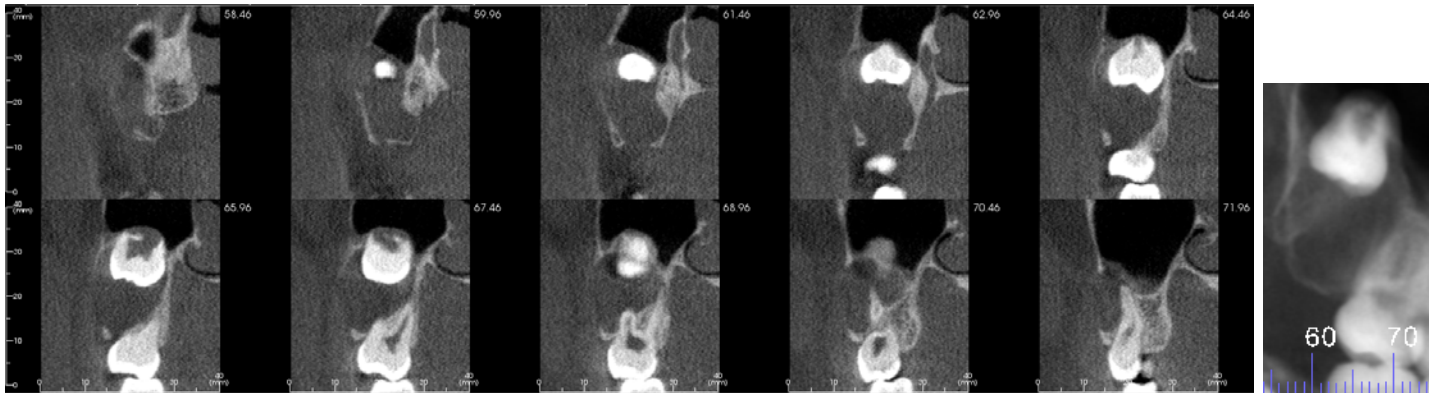
Palatal view – Tooth #15 is cropped



Sagittal view  
Tooth #1



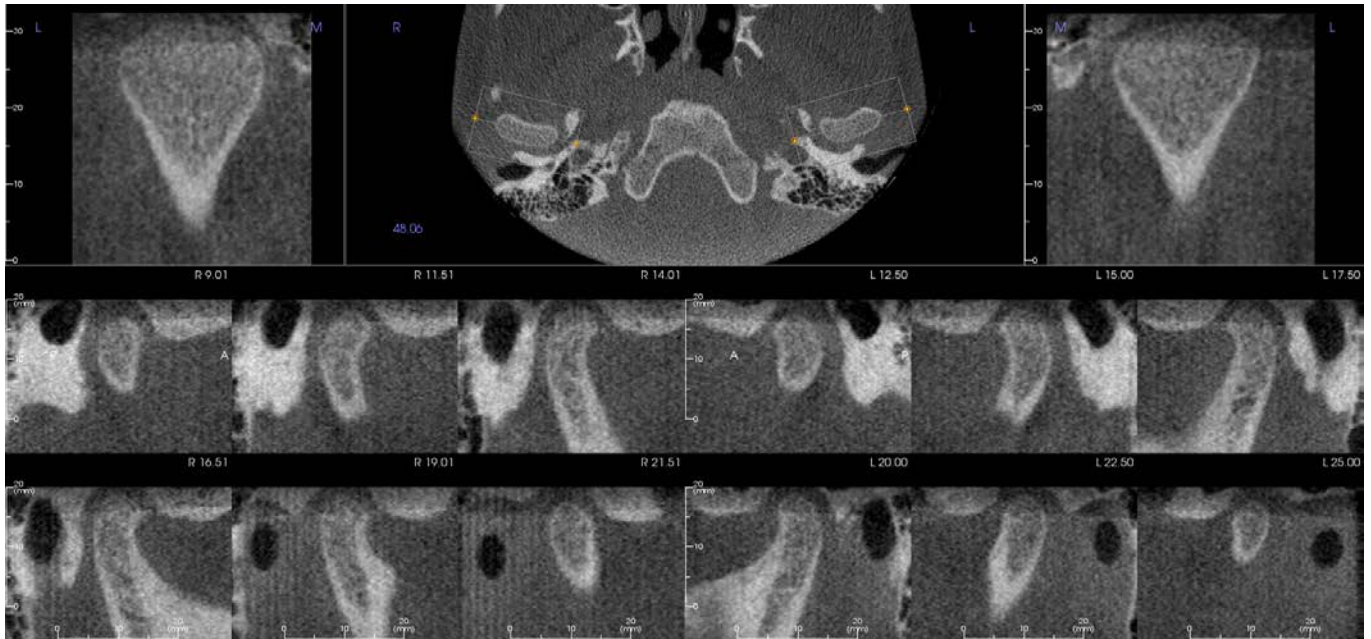
Coronal view



Cross-sections: Region of #1

**Right TMJ**

**Left TMJ**



TMJ: Sagittal cross-sections and axial and coronal views