



# EDMONTON

DIAGNOSTIC IMAGING INC.  
ORAL & MAXILLOFACIAL

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**Patient:** \_\_\_\_\_ **Age:** \_\_\_\_\_ **Sex:** \_\_\_\_\_  
**Date of Images:** \_\_\_\_\_  
**Referring Dr.:** \_\_\_\_\_  
**Date of Report:** \_\_\_\_\_

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This report is based on an i-CAT cone beam computed tomography scan of the maxilla and the mandible. The field of view extends from the maxillary sinuses to the inferior border of the mandible/not including cervical vertebrae. Reformatted axial, coronal and sagittal images were reviewed. Also, two panoramic radiographs (March 26, 2010 and April 25, 2011) provided by the referring dentist were reviewed. The purpose of this report is to assess pathology in tooth #22; clinical buccal swelling.

### **Radiographic findings:**

Tooth #12 is missing and tooth #22 is abnormally shaped; there are radiolucent lines encased by dense radiopaque lines/bands in the coronal and radicular aspects of tooth #22. The radiolucent lines are pulp tissue and the radiopaque structures represent enamel infolding. This is consistent with dens invaginatus. This is a developmental tooth anomaly and is prone to caries.

There is a well-defined, small, round radiolucency apical to tooth #22. It is thinly corticated and measures approximately 1x1x0.9 cm. The radiolucency caused buccal and palatal cortical thinning with fenestration through the buccal cortex of the maxilla. It has caused mesial and distal displacement of teeth #21 and #23, respectively. Apical root resorption and significant buccal root tipping of tooth #22 is also noted.

The panoramic radiograph in 2010 shows the dens invaginatus tooth #22 with no apical pathology. Panoramic radiograph in 2011 shows early stages of apical radiolucency related to tooth #22.

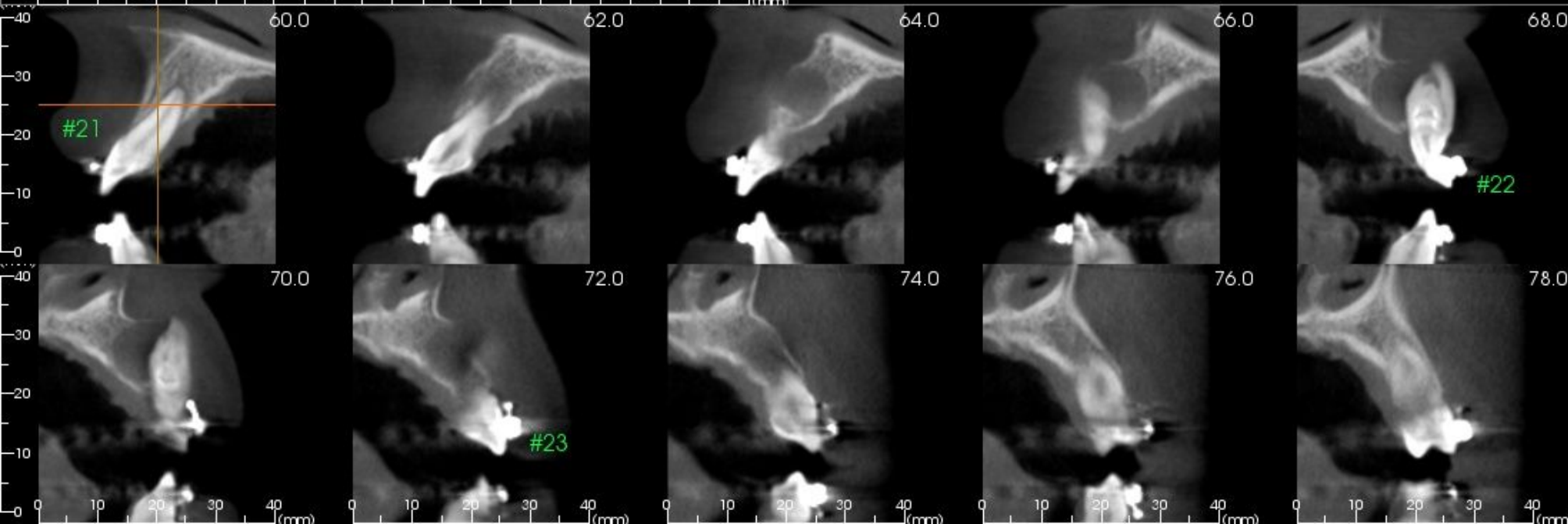
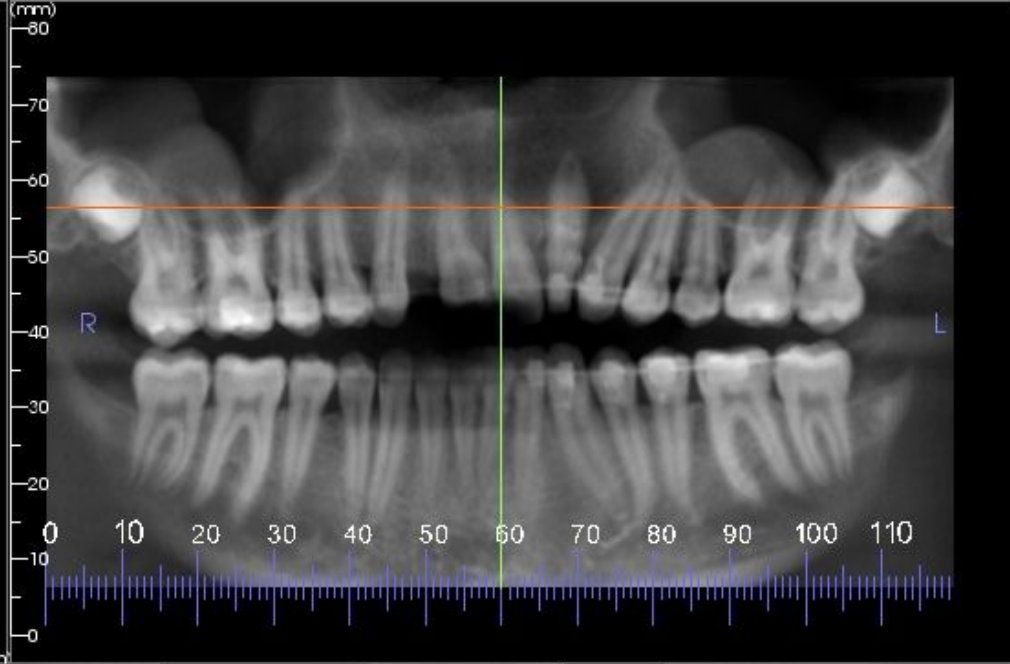
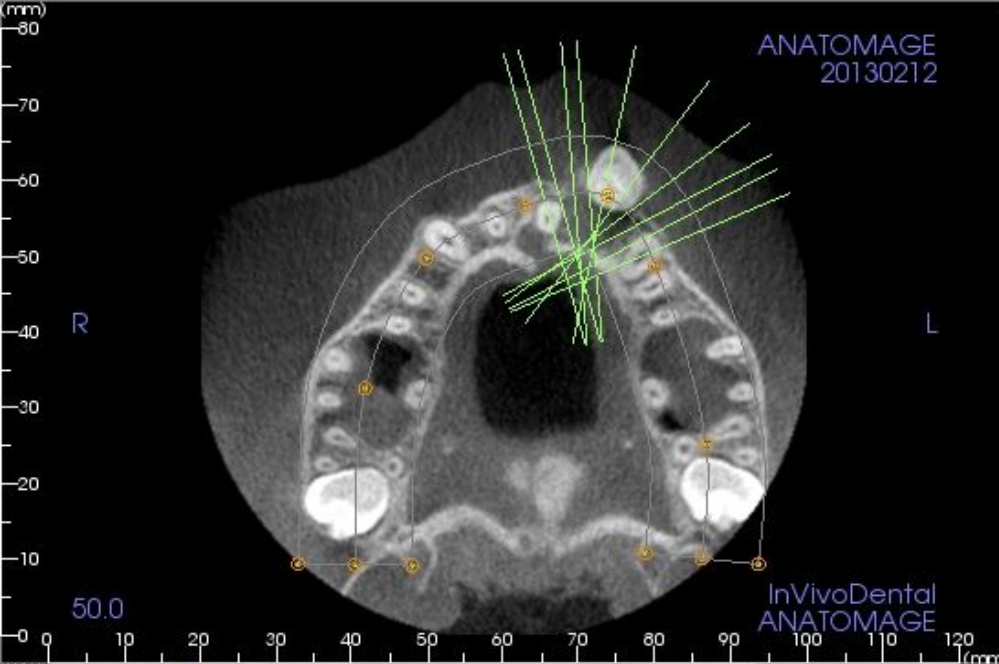
Incidental finding of bilateral multiple mucous retention pseudocyst in the maxillary sinuses is noted.

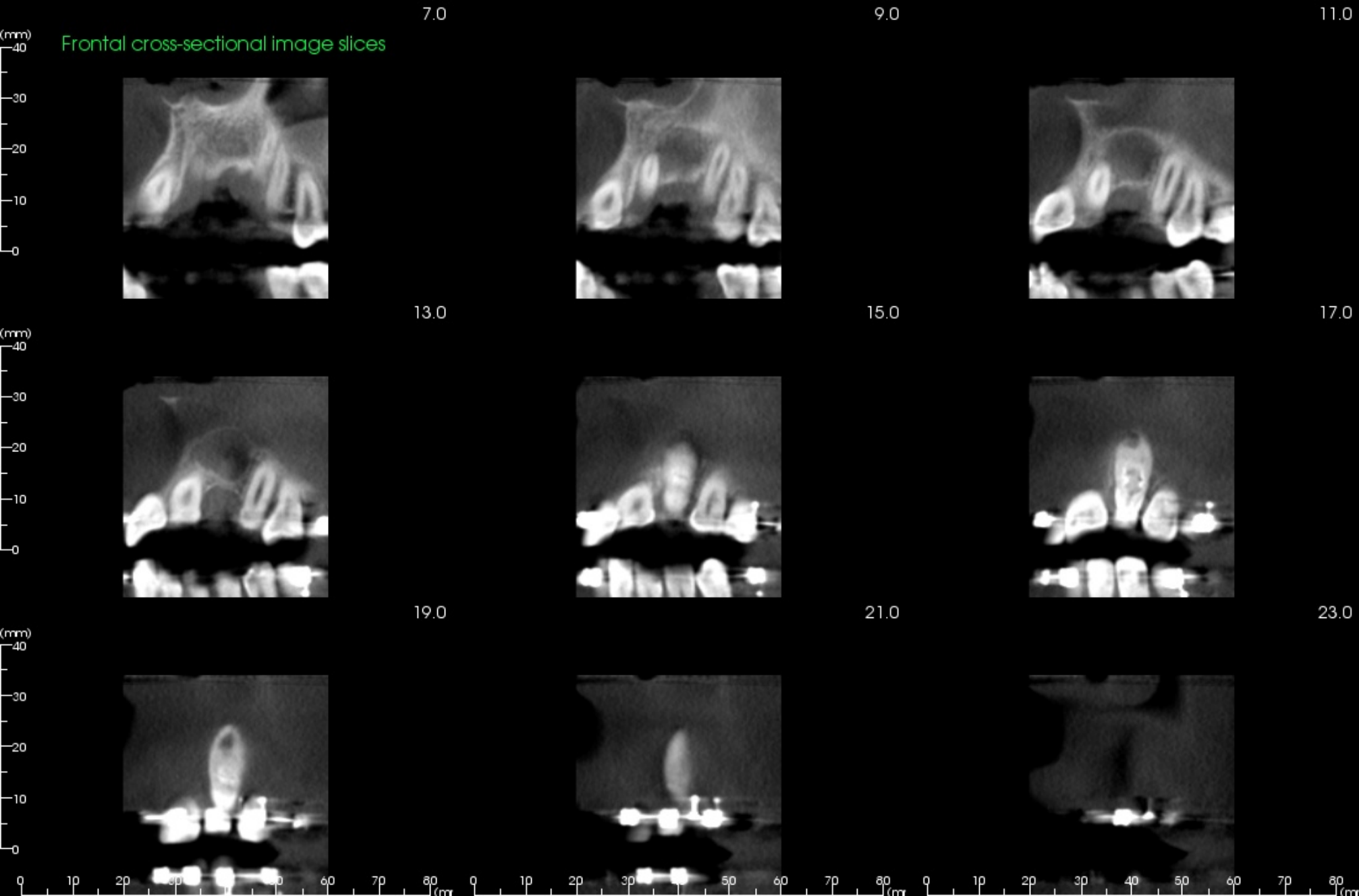
### **Interpretation:**

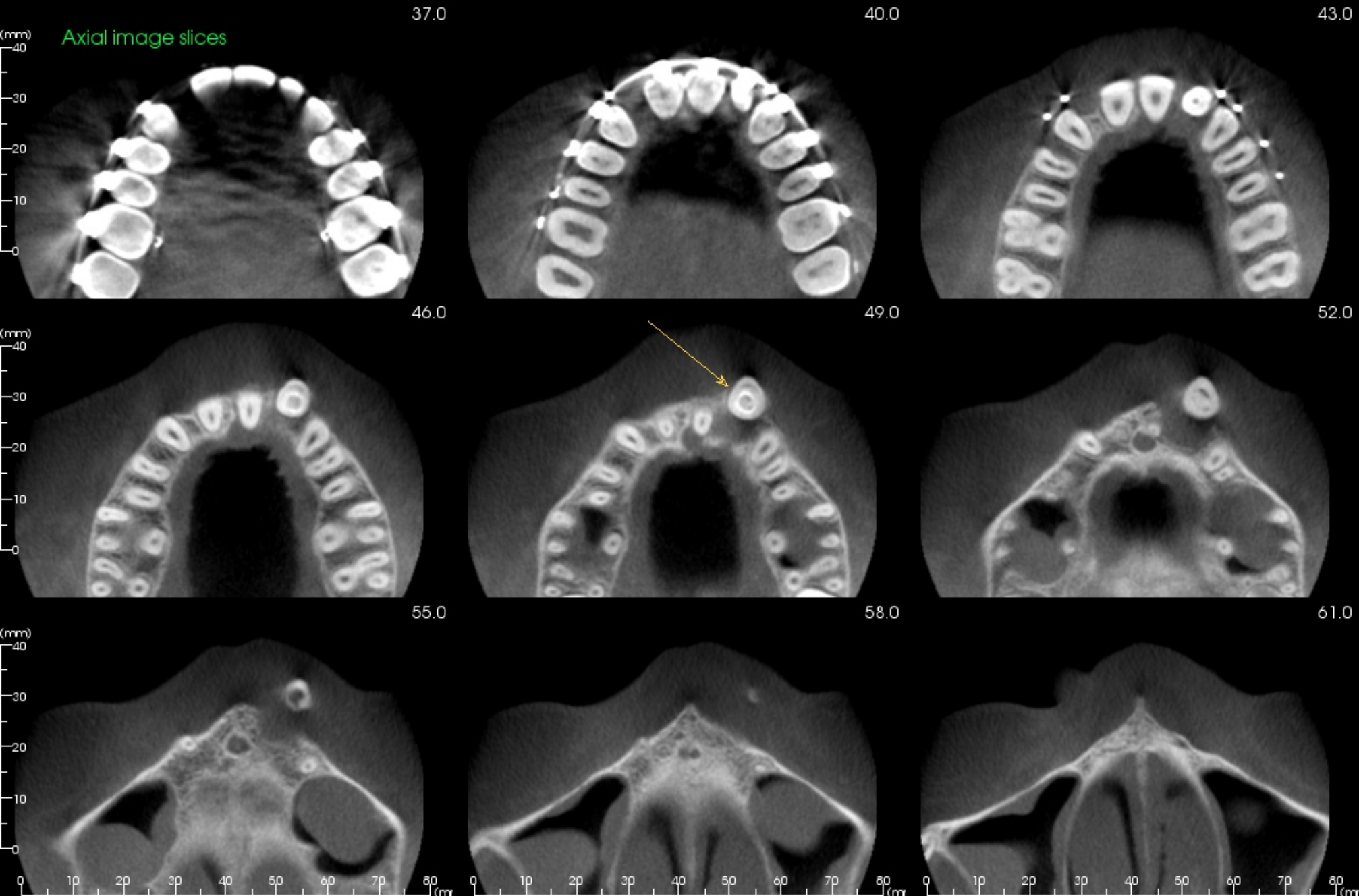
Dens invaginatus of tooth #22 with apical (radicular) cyst.

Sincerely,

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Oral and Maxillofacial Radiologist  
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Window/Contrast: 3000 / 0.00



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