

Combining Advanced Diagnostics With Knowledge and Experience

<b>Doctor:</b>	xxxxxxxxxxx, DDS	<b>Patient:</b>	xxxxxxxxxxxxxxxx
<b>Email:</b>	<a href="#">xxxxxxxxxxxxxxxxxxxxxxxxxxxx</a>	<b>DOB:</b>	
<b>Scan Date:</b>	May 17, 2022	<b>Resolution:</b>	0.30mm
<b>Report Date:</b>	May 21, 2022		

Dear Dr. xxxxxx:

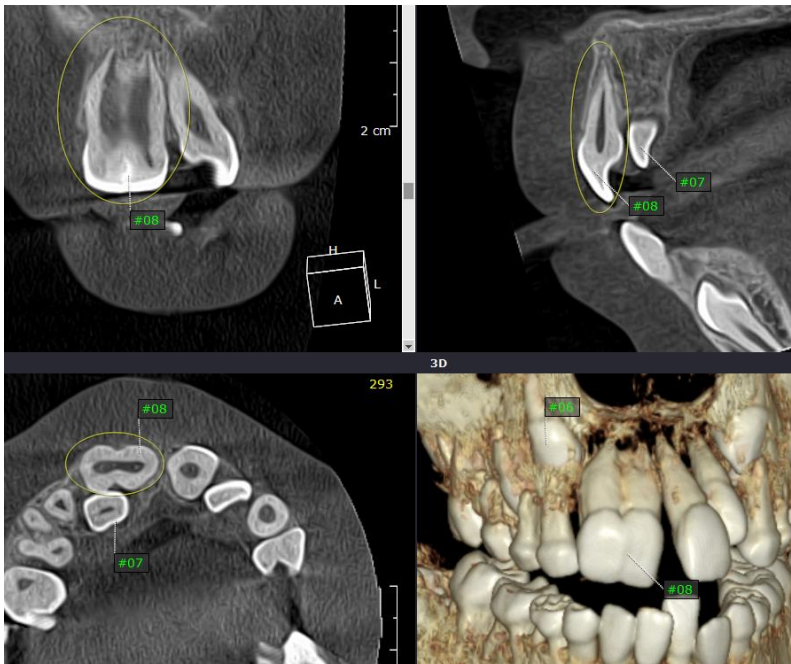
Thank you for using Carolina OMF Imaging to review the patient DICOM data for findings and/or pathology within the field.

The purpose of this review is to evaluate radiographic signs associated with tooth #08 and a region of interest associated with teeth #09 and #10.

Regarding tooth #08, teeth #06 and #07 are present. Tooth #08 demonstrates radiographic signs of one tooth having 2 crowns and 2 roots that are joined. The appropriate term for this phenomenon is gemination. Gemination occurs when a single tooth appears to duplicate itself during development and has a prevalence of approximately 0.47%.

Clinical correlation of aforementioned radiographic findings is recommended.

**Garlitz - Tooth #08**



Between teeth #09 and #10 is a well-defined region of low attenuation (see yellow arrows in attached image below) that measures approximately 10 mm [medial-lateral] x 15 mm [inferior-superior] x 9 mm [anterior-posterior] (see yellow annotations in attached image below). The region of interest has caused thinning and expansion of the facial cortical border of the maxilla as well as palatal rotation of teeth #09 and #10. Palatal rotation is mild for tooth #09 and moderate rotation of tooth #10. External inflammatory root resorption of teeth number 09 and #10 is not noted. Should the region of interest be removed, a periodontal defect along the distal root surfaces of tooth #09 and the facial root surfaces of tooth #10 may be likely.

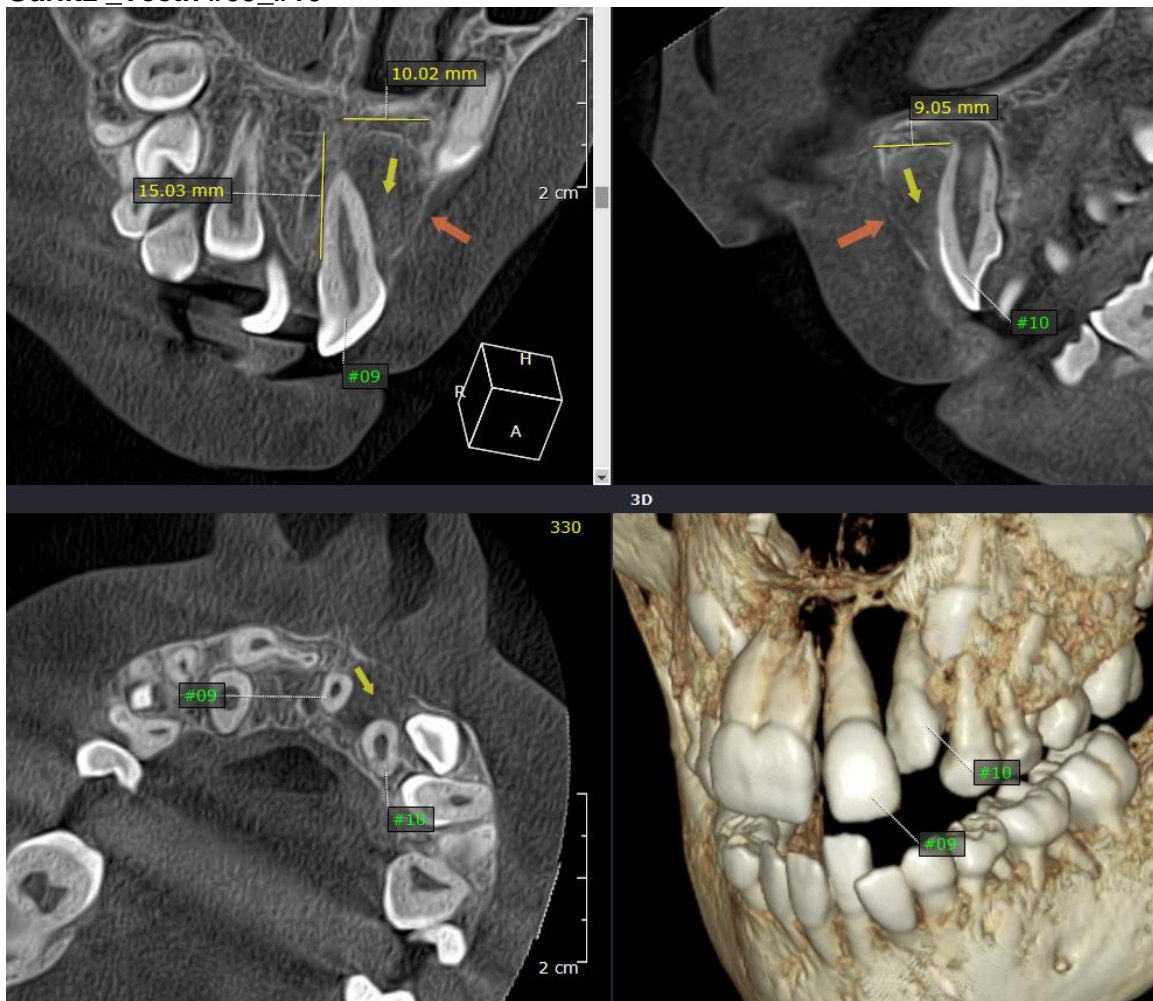
A differential diagnosis of the region of low attenuation includes:

a. A developing tooth that does not come to fruition and is in the “bud” morphogenesis stage.

Radiographic signs suggest the region of interest may be removed to allow proper alignment of teeth #09 and #10.

Clinical correlation of aforementioned radiographic findings is recommended.

### Garlitz \_Teeth #09 \_#10



**Paranasal Sinuses:**

-Within the field of view, paranasal sinus pathology is not noted within the paranasal sinus antrums. The left and right osteomeatal complexes are patent.\*

**Nasal Cavity:**

Airway restriction within the meatuses of the nasal cavity is not noted. The nasal septum is contiguous with the right inferior and left and right middle nasal turbinates. The left and right middle nasal turbinates demonstrate concha bulosa.

If the patient describes difficulty in passing air through the nasal cavity, clinical correlation by an ENT physician is recommended.\*\*

**Additional Findings:**

No other findings/pathology was noted within the field of view.

\*Noted from the review of patient three-dimensional reconstructed images, this/these findings have no clinical significance and follow-up/clinical correlation is not required.

\*\*Noted from the review of patient three-dimensional reconstructed images, this/these findings may require follow-up/clinical correlation by a dental practitioner/physician.

Please contact Carolina OMF Imaging for any questions regarding volume data findings.

Sincerely,



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