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7117 W. Hood Place #110
Kennewick, WA 99336
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Patient:
DOB: 02/16/1998

Report Date: 04/27/2016
Study Date: 04/18/2016

Ref. Doctor:

Scan Source:

Study Purpose: TMD Orofacial Pain
Dr. Notes: Concerned with open bite after extraction of third molars.

IMAGES PROVIDED: CBCT scan, Closed

OBSERVATIONS

TMJ:

Right: *Closed:* Condyle: Thinning of the anteroposterior dimension of the condyle with slight reduction of condylar height. A possible cortical break is noted on the superior aspect, but this is difficult to verify due to the presence of noise on the scan.
Joint space: Narrowing of the posterior aspect due to the posterior position of the condyle.
Fossa: The contours are smooth and rounded.

Left: *Closed*: Condyle: Thinning of the anteroposterior dimension of the condyle.
Joint space: Narrowing of the posterior aspect due to the posterior position of the condyle.
Fossa: The contours are smooth and rounded.

MAXILLA and MANDIBLE:

- Open bite with only the first and second molars in contact.
- Flattening of the curve of Spee is noted.
- The maxillary second molars lingual cusps are plunging.
- Mild mandibular asymmetry is noted, with the right side being smaller. This may be due to the smaller condyle on the right.

SINUSES and AIRWAY:

- Appear to be within normal limits.

OTHERS:

- Soft tissue density seen in the right and left external auditory canal, suggestive of ear wax.
- All other structures within the field of view appear to be within normal limits.

IMPRESSIONS

The findings in the right TMJ are suggestive of regressive remodeling with possible active degenerative changes (correlate the possible articular erosion with clinical presentation of pain if present). The findings in the left TMJ are suggestive of regressive remodeling. The anterior open bite that developed after third molar extraction may be a result of a dual bite relapse. Correlation to clinical presentation is recommended.

RECOMMENDATIONS
MRI if visualization of the disc and soft tissues is required.

Sincerely,
Dania Tamimi, BDS, DMSc
Diplomate, American Board of Oral and Maxillofacial Radiology

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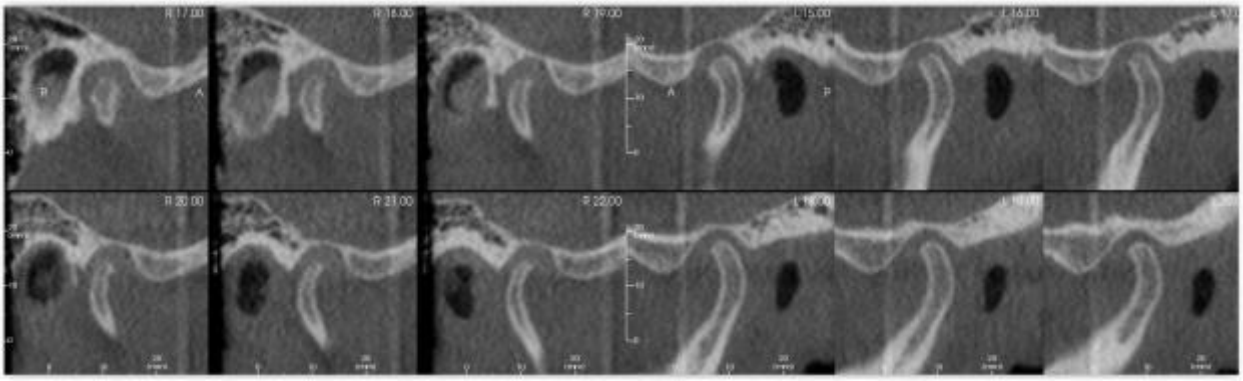
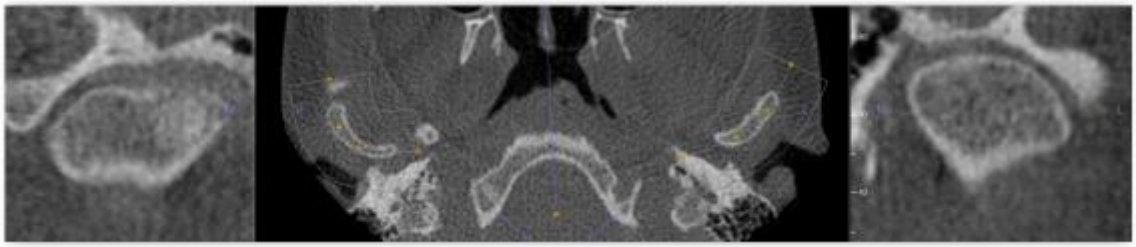


Right Left

TMJ Cross sections



Axial and Coronals

Panoramic reformat

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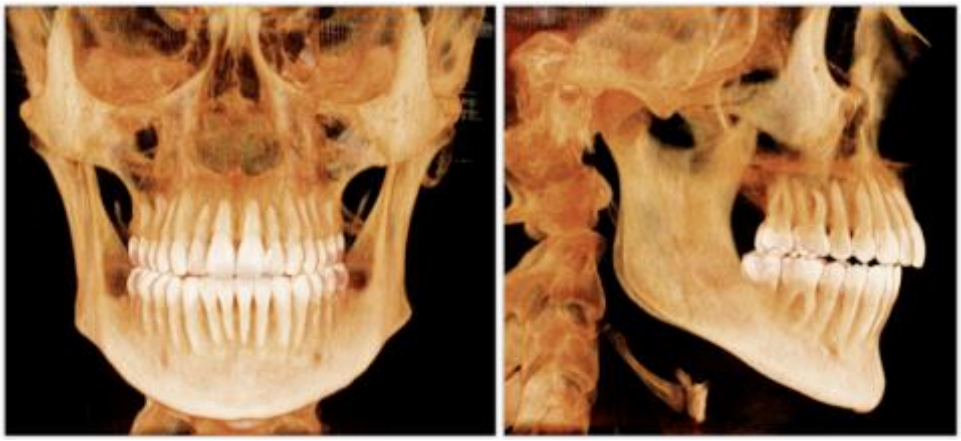
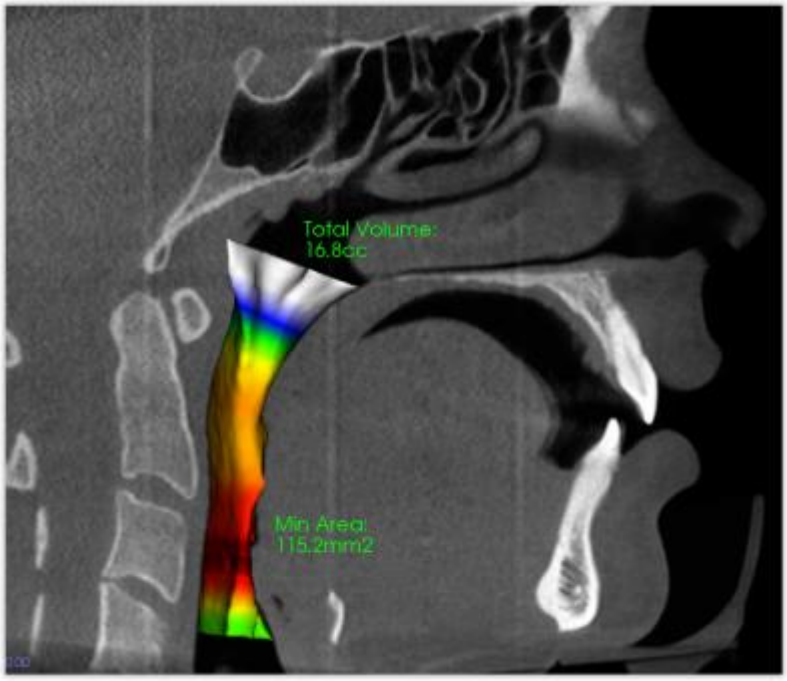


Frontal **Lateral**

3D rendering



Airway Analysis

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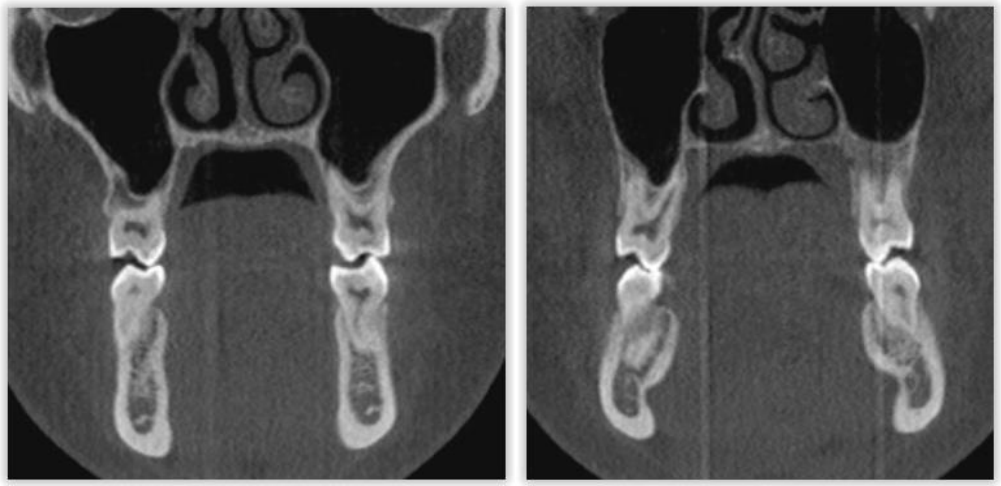

1st 2nd

Transverse relationship of the upper and lower molars