

Patient: **Report Date:** 06/05/2020 Date of Birth: 10/02/2006 Study Date: 06/02/2020

Ref. Doctor: Scan Source:

Study Purpose: Impaction, Orthodontic

Dr. Notes: Ectopically impacted teeth #6,11

OBSERVATIONS:

DENTITION:

Unerupted: -Late Mixed dentition stage. #s 2, 4, 6, 11, 13, 15, 20 and 29 were unerupted.

-The third molars were not developed at the time of the examination

-#s 6 and 11 were in horizontal inclination/impaction and buccally oriented. They were positioned superior (cranial) as they related to the #s 5 and 12 and palatal as they related to the developing apexes of roots #s 4 and 13. No signs of root resorption/displacement were noted. No suggestive signs of pathology/ankylosis were noted; however, their partially developed roots were encroached upon the cortical outline of the maxillary anterior/inferior walls of the

maxillary sinuses and the lateral wall of the nasal cavity respectively.

ALVEOLAR BONE: -Normal alveolar bone levels were noted. No suggestive signs of pathology were noted in the alveolar bone.

AIRWAY: -Mild nasal septum deviation was noted.

> -The most constricted area of the airways corresponded to the area posterior to the tongue and soft palate and it is within the normal limits (approximately 77mm²). This space is small and should be considered intermediate risk factor for obstructive sleep apnea (OSA); however, soft palate and tongue position may compromise the accuracy of this

measurement.

SINUSES: -No other abnormalities/pathosis were noted for the maxillary and/or adjacent paranasal sinuses. The antromeatal

complexes were patent/clear.

TMJs:

-Mild flattening for the superior/anterior surface of the condyles was noted. Right & Left:

Position: -When the mandible was in "closed" position, the condyles were concentrically positioned in their fossa. Condylar

translation was not evaluated in this study.

-Right molar class I and left Molar Class II relationships were noted. OCCLUSION:

OTHERS: -The spheno-occipital synchondrosis suture was open; mildly defined curvature of the C2-C43's inferior cortical outline

was evident. These findings are just indicators of patient's growth and they don't represent active pathology.

IMPRESSIONS:

- Dentition: The position and relationship with the adjacent teeth and structure of the impacted maxillary canines was noted above and
- Airways: The findings described above should be considered intermediate factors for obstructive sleep apnea (OSA). Orthodontic rapid palatal expansion in combination with tonsillectomies should help to increase total volume of airway, thus reducing the overall risk of
- TMJs: The findings described above are most consistent with normal development osseous remodeling for the TMJs.
- The structure and morphology of the maxillofacial structures were evaluated. Most of the findings and their suggestive diagnosis were noted above. Reviewing the remaining available volume, there was no evidence of any other anomaly/pathology in the maxillofacial and surrounding structures available in this study.

Sincerely,

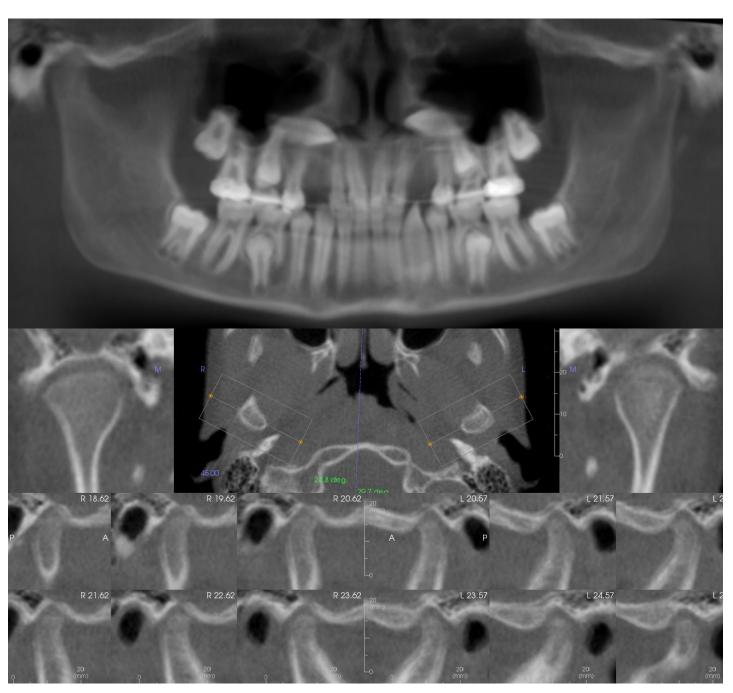
Francisco Eraso, DDS, MS, MS, MSD. Oral & Maxillofacial Radiologist

* The thumbnail images in the report are for reference only.

Dr. Francisco Fraso Page 1 of 4



Panoramic and TMJs Views

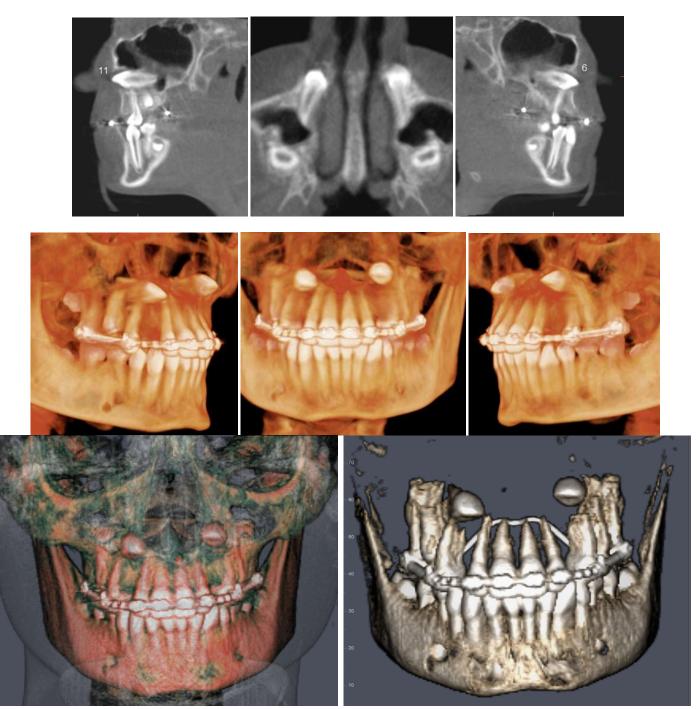


Unerupted teeth – Normal alveolar bone levels – Normal development osseous remodeling for the TMJs

Dr. Francisco Eraso Page 2 of 4



Sagittal, Axial and Rendering Views



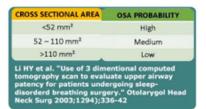
Unerupted/impacted #s 6 and 11

Dr. Francisco Eraso Page 3 of 4

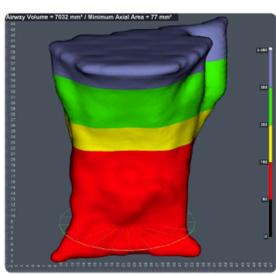


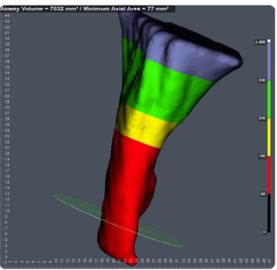
Airway Rendering Views

Personalized Logo



AGE (years)	MEAN CROSS SECTIONAL AREA (mm²)
6-8	77.7 ± 48.7
9 - 11	89.8 ± 47.7
12-14	128.6 ± 66.3
15 - 17	169.1 ± 86.1
18 - 20	171.5 ± 113.5
21 - 25	160.9 ± 80.9
26 - 30	172.1 ± 81.2
31 - 35	159.2 ± 81.6
36 - 40	157.3 ± 84.5
11-45	149.2 ± 120.8
46 - 50	144.3 ± 75.4
51 - 55	143.1 ± 81.6
>56	121.8 ± 82.1





Reduced airway spaces

Dr. Francisco Eraso Page 4 of 4