

Patient: Jane Doe  
 Date of Birth: 01/01/1960  
 Gender: Female  
 Study Purpose: Airway, TMJ

Report Date: 01/01/2022  
 Study Date: 01/01/2022  
 Ref. Doctor: Doctor  
 Scan Source: Referring Practice

Dr. Notes: Airway flow limitation, fatigue, reduced sleep quality

## OBSERVATIONS

### AIRWAY:

**Nasopharynx:** No abnormalities noted.

**Sino-nasal structures:** The nasal septum is deviated to the left. The paranasal sinuses have a normal size and shape. The sinuses are fully aerated, the sinus walls are intact and the ostiomeatal units are patent.

**Oropharynx:** No abnormalities noted.

### JAWS:

**Maxilla:** No abnormalities noted.

**Mandible:** No abnormalities noted.

**TM Joints:** The condyles have a normal size and shape. The osseous components of the TMJs are smooth and without evidence of subchondral defects. There is an artifact on the laterosuperior surface of the left condyle mimicking an erosion. Cortical thickening is noted along the superior surface of the condyles and flattening is noted along the superior surface of the right condyle. In the closed position the condyles are anteroposteriorly centered within the fossa but the laterosuperior joint spaces are thin..

**Dentition:** There is a Class I dentition. Teeth #s 1,16,17 and 32 are missing. Crestal alveolar bone loss, consistent with a minor expression periodontitis, is noted adjacent to several of the remaining teeth.

**C-SPINE:** Sclerosis, flattening, joint space narrowing and osteophytosis are noted at the median atlantoaxial joint. Facet joint degenerative changes noted.

Table of measurements			Anthropologic Normal	
Name	Locations	Distance/ Angle	Normal Range	Normal Average
CSA minimum		167 mm2		
PVA	PoR-PoL perp-A point	92.12 mm	≥87.3 mm if 12+ yo	≥87.3 mm if 12+ yo
Pr-ba	Pr-ba	99.34 mm		
Indicator Line	Ns-11	43.16 mm		
Liminal Valve		Normal		
Starling Resistor		15.92 mm		
Cranial Base Length	N-Ba	101.83 mm	Female: 77-105mm Male: 86-115mm	Female: 92.6mm Male: 97.2mm
Gonial angle	Cond. Post-Go-Submen	116.9 deg	Female: 114-129mm Male: 102-125mm	Female: 122mm Male: 115mm
Ramus Width		28.08 mm	Female: 27-37mm Male: 27-39mm	Female: 29.3mm Male: 32.2mm
Pyriform Width	Pyr R-Pyr L	26.96 mm	Female: 19-36mm Male: 21-30mm	Female: 25.3mm Male: 25.4mm
Intermolar width max	17-27 outside	59.76 mm	Female: 57-65mm Male: 58-70mm	Female: 61.08mm Male: 64mm
Intermolar width max	16-26 inside	34.54 mm		
Intermolar width mand	36-46 inside	32.63 mm		
InterCanine Width max	13-23 inside	24.25 mm		
InterCanine Width mand	33-43 inside	17.32 mm		

#### IMPRESSIONS

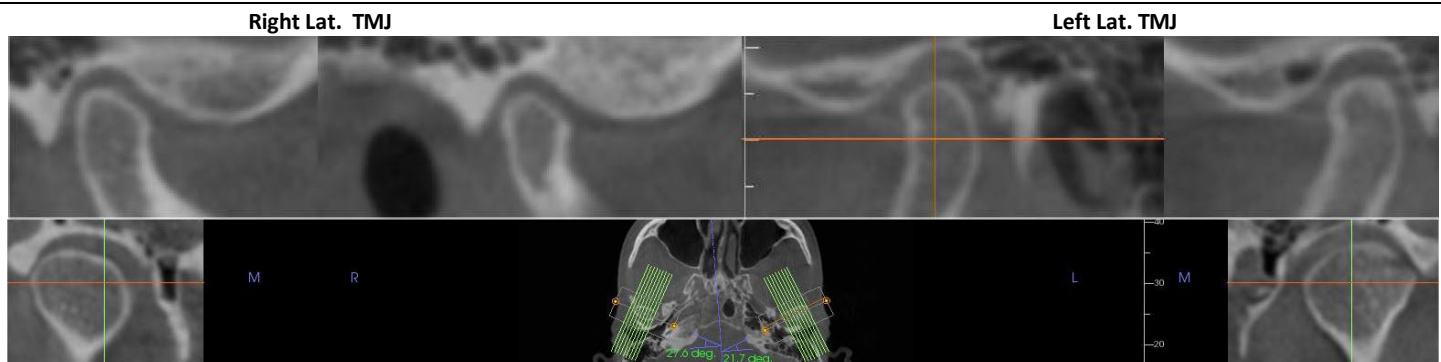
- AIRWAY:** No anatomic airway anomalies are noted.
- SINONASAL:** The sinonasal structures are within normal limits.
- TM JOINT:**
- Osseous remodeling is noted in the TMJs.
    - The remodeling is at an early to intermediate stage and may be an adaptive response by the articular tissues to the functional demands.
  - The narrowed laterosuperior joint spaces in the TMJs increase the probability of a displaced disc and/or thinning of the soft tissues separating the superior and inferior joint compartments

Sincerely,



David C. Hatcher, D.D.S., M.Sc., M.R.C.D.(c)  
Oral & Maxillofacial Radiologist

#### Patient:

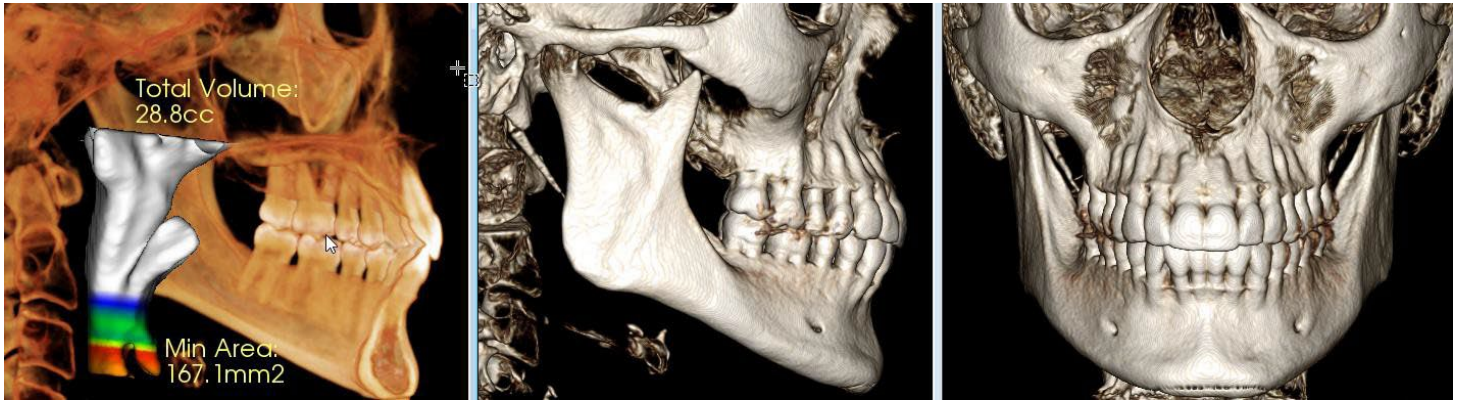


Remodeling  
Laterosuperior joint space narrowing- see coronal views

#### Panoramic Reconstruction



**Airway dimensions and Volume**



*The images above are included to illustrate/clarify the basis for opinions in this report and are not intended to provide archival image quality or sizing suitable for direct measurement in the context of treatment planning.*