



Patient:
Date of Images:
Referring Dr.:
Date of Report:

Age: 57

Sex: M

The examination consists of an iCAT[®] cone-beam computed tomographic examination extending from the occlusal plane to the inferior border of the mandible. The image volume was reviewed, and reformatted cross-sectional images were generated through the mandible using 2 mm slice thicknesses at 2 mm intervals.

Radiopaque markers are located in the edentulous 3.5, 3.6, 3.7 and 4.6 areas.

Bone height and widths at 2 locations were measured in each orthoradial reconstruction; width at half-height and width at one-quarter height.

Quadrant 3: The curvature of the mandibular cross-sections, particularly in the second molar area, limits the amount of available bone.

Tooth*	Image	Height	Width ½ ht.	Width ¼ ht.	Tooth	Image	Height	Width ½ ht.	Width ¼ ht.
	12.6	20.46 mm	6.04 mm	6.43 mm		24.6	11.01 mm	7.20 mm	6.03 mm
3.5	14.6	18.09	6.63	6.05		26.6	9.84	6.93	5.75
	16.6	17.41	6.03	5.72	3.7	28.6	7.90	6.93	5.16
	18.6	16.12	7.22	5.72		30.6	7.53	7.27	5.47
	20.6	14.63	6.92	5.73		32.6	7.60	7.24	5.13
3.6	22.6	12.12	6.78	5.88		34.6	7.59	7.14	6.24

*Approximate tooth positions only.

Quadrant 4: The curvature of the mandibular cross-sections limits the amount of available bone.

Tooth*	Image	Height	Width ½ ht.	Width ¼ ht.	Tooth	Image	Height	Width ½ ht.	Width ¼ ht.
	8.9	8.91 mm	7.10 mm	5.00 mm	4.6	16.9	10.06 mm	6.41 mm	5.00 mm
	10.9	8.22	6.59	4.99		18.9	11.23	6.37	5.22
	12.9	8.65	6.41	5.13		20.9	12.57	6.64	5.00
	14.9	8.87	6.14	4.77		22.9	14.12	6.27	4.58

*Approximate tooth positions only.

The generalized bone pattern and jaw morphology are within the range of normal. The bone cortices of the mandible are thick. There are few visible trabeculae.

Interpretation: 1. Bone measurements as provided.

Sincerely,



A handwritten signature in black ink, which appears to read 'Ernest Lam', is positioned below the logo. The signature is fluid and cursive, ending with a small dot.

Ernest W.N. Lam, D.M.D., F.R.C.D.(C)
Oral and Maxillofacial Radiologist