CTXATM Hip Bone Mineral Densitometry

Technical Report

Patient Information

Name: DF054, DF054

ID: DF054 Date: 11/08/2014 Sex: Female DOB: 19/01/1960

Age: 54

CT Scan Parameters

kVp: 120 mA: 125

Scan Time: 1.00 Table Height: 152.0

SFOV: 500

Slice Thickness (mm): 1.50

FUC: 1.073

ROI Measurements

ROI	BMD (g/cm ²)	BMD (mg/cm ³)	Mass (grams)	Area <u>(cm²)</u>	Volume (cm ³)
Total Bone Compartment					
Neck (User Defined)	.914	419.7	2.94	3.22	7.0
Femoral Neck	.935	425.4	3.16	3.37	7.4
Trochanter	.809	289.5	5.62	6.95	19.4
Intertrochanter	1.507	545.9	33.11	21.98	60.7
Total Hip	1.297	478.8	41.89	32.30	87.5
Cortical Compartment					
Femoral Neck	.722	1147.1	2.44	3.37	2.1
Trochanter	.475	927.7	3.30	6.95	3.6
Intertrochanter	1.286	1140.6	28.27	21.98	24.8
Total Hip	1.053	1116.3	34.01	32.30	30.5
Trabecular Compartment					
Femoral Neck	.213	135.4	.72	3.37	5.3
Trochanter	.334	146.1	2.32	6.95	15.9
Intertrochanter	.220	134.6	4.83	21.98	35.9
Total Hip	.243	137.9	7.86	32.30	57.0

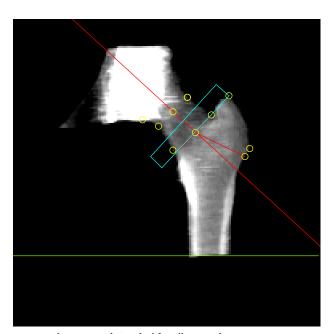


Image not intended for diagnostic purposes.

Segmentation Parameters

High Threshold: 120.0 mg/cm³ Low Threshold: -250.0 mg/cm³

Range: 0.0850

Cortical Bone Threshold: 350.00 mg/cm³

Hip Analyzed: Left

Geometric Measurements

Femoral Neck Axis Angle: 42.5 degrees

Femoral Neck Width: 27.7 mm Hip Axis Length: 108.5 mm FN ROI Height: 10.0 mm