

CTXATM Hip Bone Mineral Densitometry

Technical Report

Patient Information

Name: BP004, BP004
ID: BP004
Date: 27/01/2014
Sex: Male
DOB: 09/12/1957
Age: 56

CT Scan Parameters

kVp: 120
mA: 108
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 (cm ²)	Volume (cm ³)
Total Bone Compartment					
Neck (User Defined)	.722	322.2	3.81	5.28	11.8
Femoral Neck	.722	324.8	3.99	5.52	12.3
Trochanter	.834	299.0	8.00	9.59	26.8
Intertrochanter	1.252	430.7	25.93	20.70	60.2
Total Hip	1.058	382.1	37.91	35.82	99.2
Cortical Compartment					
Femoral Neck	.503	1128.4	2.78	5.52	2.5
Trochanter	.526	1008.9	5.05	9.59	5.0
Intertrochanter	1.009	1120.8	20.89	20.70	18.6
Total Hip	.801	1100.3	28.71	35.82	26.1
Trabecular Compartment					
Femoral Neck	.219	123.0	1.21	5.52	9.8
Trochanter	.307	135.4	2.95	9.59	21.8
Intertrochanter	.243	120.8	5.02	20.70	41.6
Total Hip	.256	125.5	9.18	35.82	73.1

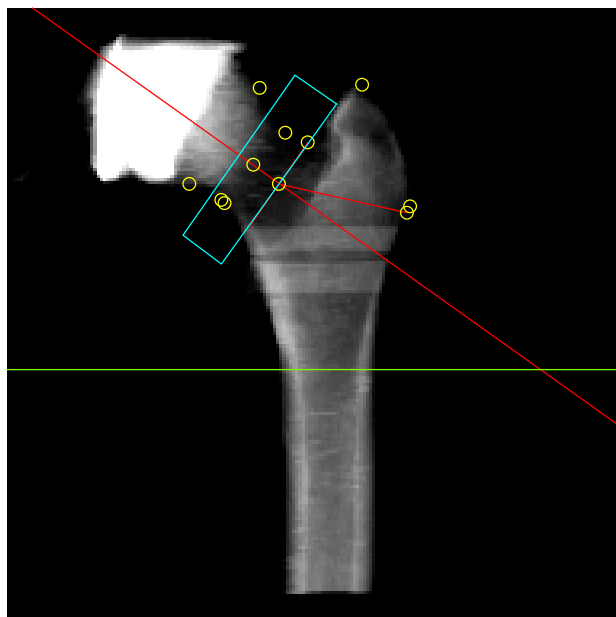


Image not intended for diagnostic purposes.

Segmentation Parameters

High Threshold: 130.0 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: 35.4 degrees
Femoral Neck Width: 28.5 mm
Hip Axis Length: 110.0 mm
FN ROI Height: 15.0 mm