

# CTXA<sup>TM</sup> Hip Bone Mineral Densitometry

## Technical Report

### Patient Information

Name: PC010, PC010  
ID: PC010  
Date: 13/01/2014  
Sex: Male  
DOB: 28/03/1954  
Age: 59

### CT Scan Parameters

kVp: 120  
mA: 131  
Scan Time: 1.00  
Table Height: 152.0  
SFOV: 500  
Slice Thickness (mm): 1.50  
FUC: 1.073

### ROI Measurements

ROI	BMD (g/cm <sup>2</sup> )	BMD (mg/cm <sup>3</sup> )	Mass (grams)	Area (cm <sup>2</sup> )	Volume (cm <sup>3</sup> )
<b>Total Bone Compartment</b>					
Neck (User Defined)	.760	279.5	4.16	5.48	14.9
Femoral Neck	.716	277.8	4.44	6.20	16.0
Trochanter	.686	216.3	7.98	11.63	36.9
Intertrochanter	1.168	380.0	23.15	19.82	60.9
Total Hip	.945	312.6	35.57	37.65	113.8
<b>Cortical Compartment</b>					
Femoral Neck	.466	1020.1	2.89	6.20	2.8
Trochanter	.353	883.9	4.10	11.63	4.6
Intertrochanter	.866	966.5	17.16	19.82	17.8
Total Hip	.641	957.4	24.15	37.65	25.2
<b>Trabecular Compartment</b>					
Femoral Neck	.250	118.0	1.55	6.20	13.2
Trochanter	.333	120.1	3.87	11.63	32.3
Intertrochanter	.302	138.5	5.98	19.82	43.2
Total Hip	.303	128.7	11.40	37.65	88.6

### Segmentation Parameters

High Threshold: 100.0 mg/cm<sup>3</sup>  
Low Threshold: -250.0 mg/cm<sup>3</sup>  
Range: 0.0850  
Cortical Bone Threshold: 350.00 mg/cm<sup>3</sup>  
Hip Analyzed: Left

### Geometric Measurements

Femoral Neck Axis Angle: 39.5 degrees  
Femoral Neck Width: 34.6 mm  
Hip Axis Length: 124.2 mm  
FN ROI Height: 15.0 mm

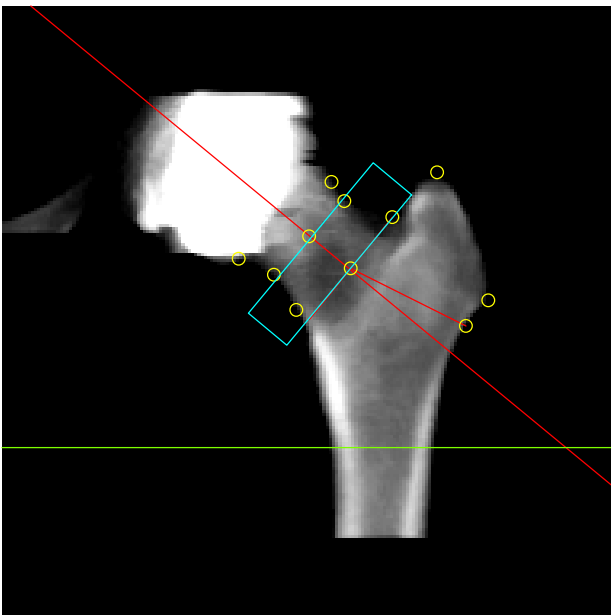


Image not intended for diagnostic purposes.