

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

## Technical Report

### Patient Information

Name: DM021, DM021  
ID: DM021  
Date: 27/01/2014  
Sex: Male  
DOB: 05/08/1943  
Age: 70

### 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)	.961	436.0	4.57	4.75	10.5
Femoral Neck	.945	434.7	4.69	4.96	10.8
Trochanter	.938	322.0	10.56	11.26	32.8
Intertrochanter	1.505	547.4	27.64	18.36	50.5
Total Hip	1.240	455.9	42.89	34.59	94.1
<b>Cortical Compartment</b>					
Femoral Neck	.722	1099.7	3.58	4.96	3.3
Trochanter	.580	941.4	6.53	11.26	6.9
Intertrochanter	1.236	1158.5	22.69	18.36	19.6
Total Hip	.948	1101.8	32.80	34.59	29.8
<b>Trabecular Compartment</b>					
Femoral Neck	.223	146.7	1.10	4.96	7.5
Trochanter	.358	155.7	4.03	11.26	25.9
Intertrochanter	.269	159.5	4.93	18.36	30.9
Total Hip	.291	156.5	10.06	34.59	64.3

### Segmentation Parameters

High Threshold: 130.0 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: 37.1 degrees  
Femoral Neck Width: 28.1 mm  
Hip Axis Length: 116.4 mm  
FN ROI Height: 15.0 mm

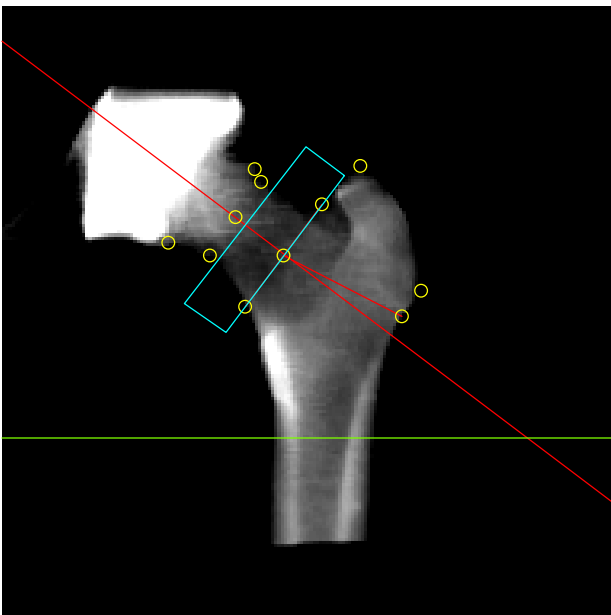


Image not intended for diagnostic purposes.