

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

## Technical Report

### Patient Information

Name: GS031, GS031  
ID: GS031  
Date: 09/12/2013  
Sex: Male  
DOB: 20/07/1948  
Age: 65

### CT Scan Parameters

kVp: 120  
mA: 150  
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)	.916	369.1	5.52	6.02	14.9
Femoral Neck	.897	368.5	5.62	6.27	15.3
Trochanter	1.032	316.4	12.10	11.72	38.2
Intertrochanter	1.457	504.3	32.23	22.12	63.9
Total Hip	1.245	425.4	49.95	40.13	117.4
<b>Cortical Compartment</b>					
Femoral Neck	.615	1116.0	3.86	6.27	3.5
Trochanter	.616	866.6	7.22	11.72	8.3
Intertrochanter	1.185	1015.4	26.22	22.12	25.8
Total Hip	.930	991.9	37.30	40.13	37.6
<b>Trabecular Compartment</b>					
Femoral Neck	.281	149.2	1.76	6.27	11.8
Trochanter	.415	162.7	4.87	11.72	29.9
Intertrochanter	.271	157.4	6.00	22.12	38.1
Total Hip	.315	158.2	12.62	40.13	79.8

### Segmentation Parameters

High Threshold: 140.0 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: 34.3 degrees  
Femoral Neck Width: 31.6 mm  
Hip Axis Length: 120.3 mm  
FN ROI Height: 15.0 mm

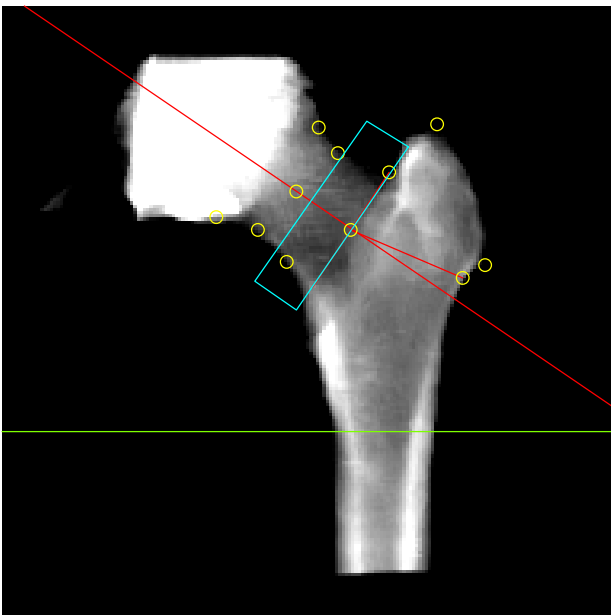


Image not intended for diagnostic purposes.