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

# **Technical Report**

#### **Patient Information**

Name: GC013, GC013

ID: GC013 Date: 13/01/2014 Sex: Male DOB: 01/06/1950

Age: 63

#### **CT Scan Parameters**

kVp: 120 mA: 113

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 <u>(cm²)</u>	Volume (cm <sup>3</sup> )
Total Bone Compartment					
Neck (User Defined)	.791	330.3	3.91	4.95	11.9
Femoral Neck	.785	331.5	3.93	5.01	11.9
Trochanter	.746	232.8	7.86	10.53	33.8
Intertrochanter	1.266	403.7	22.54	17.80	55.8
Total Hip	1.029	338.4	34.33	33.36	101.5
Cortical Compartment					
Femoral Neck	.524	1019.4	2.63	5.01	2.6
Trochanter	.350	889.2	3.68	10.53	4.1
Intertrochanter	.903	992.4	16.07	17.80	16.2
Total Hip	.671	977.0	22.37	33.36	22.9
Trabecular Compartment					
Femoral Neck	.260	140.3	1.30	5.01	9.3
Trochanter	.396	140.9	4.17	10.53	29.6
Intertrochanter	.363	163.1	6.47	17.80	39.6
Total Hip	.358	152.1	11.94	33.36	78.6

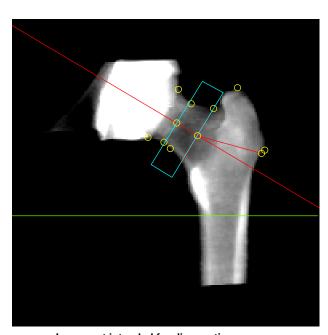


Image not intended for diagnostic purposes.

## **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: 30.7 degrees

Femoral Neck Width: 30.5 mm Hip Axis Length: 113.9 mm FN ROI Height: 15.0 mm