

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

## Technical Report

### Patient Information

Name: C5017, C5017  
ID: C5017  
Date: 24/10/2013  
Sex: Male  
DOB: 05/03/1950  
Age: 63

### CT Scan Parameters

kVp: 120  
mA: 160  
Scan Time: 1.00  
Table Height: 152.0  
SFOV: 500  
Slice Thickness (mm): 1.50  
FUC: 1.073

### ROI Measurements

| ROI                           | BMD<br>(g/cm <sup>2</sup> ) | BMD<br>(mg/cm <sup>3</sup> ) | Mass<br>(grams) | Area<br>(cm <sup>2</sup> ) | Volume<br>(cm <sup>3</sup> ) |
|-------------------------------|-----------------------------|------------------------------|-----------------|----------------------------|------------------------------|
| <b>Total Bone Compartment</b> |                             |                              |                 |                            |                              |
| Neck (User Defined)           | .932                        | 339.4                        | 5.66            | 6.08                       | 16.7                         |
| Femoral Neck                  | .901                        | 339.1                        | 5.88            | 6.52                       | 17.3                         |
| Trochanter                    | .979                        | 289.3                        | 11.79           | 12.04                      | 40.8                         |
| Intertrochanter               | 1.690                       | 562.1                        | 72.23           | 42.74                      | 128.5                        |
| Total Hip                     | 1.466                       | 481.8                        | 89.90           | 61.32                      | 186.6                        |
| <b>Cortical Compartment</b>   |                             |                              |                 |                            |                              |
| Femoral Neck                  | .586                        | 946.1                        | 3.82            | 6.52                       | 4.0                          |
| Trochanter                    | .586                        | 864.4                        | 7.05            | 12.04                      | 8.2                          |
| Intertrochanter               | 1.504                       | 1078.1                       | 64.30           | 42.74                      | 59.6                         |
| Total Hip                     | 1.226                       | 1046.4                       | 75.18           | 61.32                      | 71.8                         |
| <b>Trabecular Compartment</b> |                             |                              |                 |                            |                              |
| Femoral Neck                  | .315                        | 154.4                        | 2.05            | 6.52                       | 13.3                         |
| Trochanter                    | .393                        | 145.1                        | 4.73            | 12.04                      | 32.6                         |
| Intertrochanter               | .185                        | 114.8                        | 7.90            | 42.74                      | 68.8                         |
| Total Hip                     | .239                        | 128.0                        | 14.68           | 61.32                      | 114.7                        |

### 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: 38.7 degrees  
Femoral Neck Width: 34.9 mm  
Hip Axis Length: 132.7 mm  
FN ROI Height: 15.0 mm

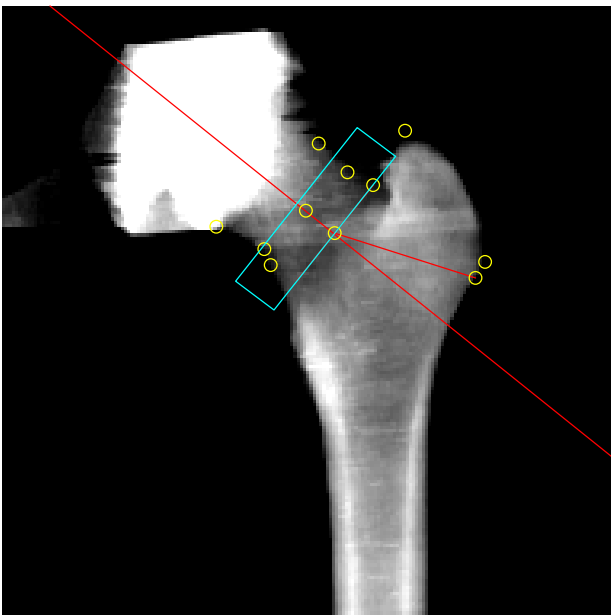


Image not intended for diagnostic purposes.