

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

## Technical Report

### Patient Information

Name: PS022, PS022  
ID: PS022  
Date: 09/12/2013  
Sex: Male  
DOB: 14/06/1948  
Age: 65

### CT Scan Parameters

kVp: 120  
mA: 233  
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)           | .702                        | 231.8                        | 3.69            | 5.25                       | 15.9                         |
| Femoral Neck                  | .692                        | 233.1                        | 3.94            | 5.69                       | 16.9                         |
| Trochanter                    | .624                        | 180.5                        | 7.43            | 11.89                      | 41.2                         |
| Intertrochanter               | .990                        | 293.2                        | 21.61           | 21.84                      | 73.7                         |
| Total Hip                     | .837                        | 250.3                        | 32.98           | 39.43                      | 131.8                        |
| <b>Cortical Compartment</b>   |                             |                              |                 |                            |                              |
| Femoral Neck                  | .341                        | 989.4                        | 1.94            | 5.69                       | 2.0                          |
| Trochanter                    | .228                        | 1070.5                       | 2.71            | 11.89                      | 2.5                          |
| Intertrochanter               | .671                        | 942.7                        | 14.66           | 21.84                      | 15.6                         |
| Total Hip                     | .490                        | 963.4                        | 19.31           | 39.43                      | 20.0                         |
| <b>Trabecular Compartment</b> |                             |                              |                 |                            |                              |
| Femoral Neck                  | .351                        | 133.7                        | 2.00            | 5.69                       | 14.9                         |
| Trochanter                    | .396                        | 122.0                        | 4.71            | 11.89                      | 38.6                         |
| Intertrochanter               | .318                        | 119.4                        | 6.94            | 21.84                      | 58.2                         |
| Total Hip                     | .346                        | 122.2                        | 13.65           | 39.43                      | 111.7                        |

### Segmentation Parameters

High Threshold: 110.0 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: 42.3 degrees  
Femoral Neck Width: 38.6 mm  
Hip Axis Length: 124.4 mm  
FN ROI Height: 15.0 mm

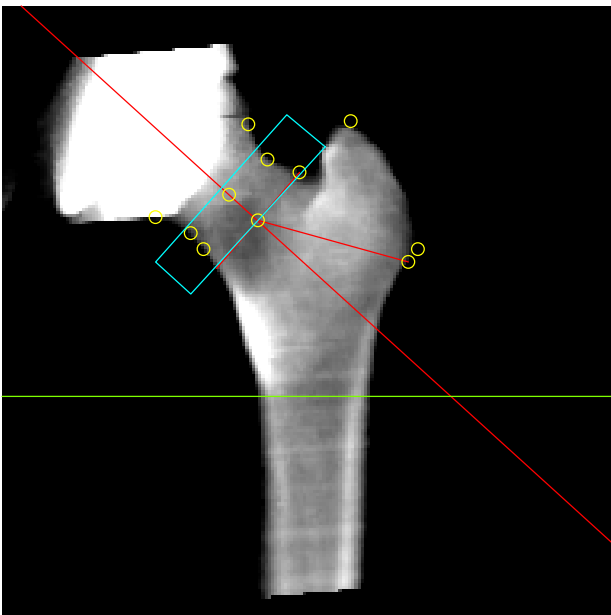


Image not intended for diagnostic purposes.