

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

## Technical Report

### Patient Information

Name: SL043, SL043  
ID: SL043  
Date: 13/01/2014  
Sex: Female  
DOB: 09/09/1947  
Age: 66

### CT Scan Parameters

kVp: 120  
mA: 257  
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)           | .792                        | 377.4                        | 3.33            | 4.20                       | 8.8                          |
| Femoral Neck                  | .783                        | 377.4                        | 3.49            | 4.46                       | 9.3                          |
| Trochanter                    | .646                        | 226.4                        | 5.54            | 8.57                       | 24.5                         |
| Intertrochanter               | 1.139                       | 400.3                        | 15.71           | 13.80                      | 39.2                         |
| Total Hip                     | .922                        | 339.1                        | 24.74           | 26.85                      | 73.0                         |
| <b>Cortical Compartment</b>   |                             |                              |                 |                            |                              |
| Femoral Neck                  | .528                        | 981.1                        | 2.35            | 4.46                       | 2.4                          |
| Trochanter                    | .267                        | 1015.1                       | 2.29            | 8.57                       | 2.3                          |
| Intertrochanter               | .815                        | 931.4                        | 11.25           | 13.80                      | 12.1                         |
| Total Hip                     | .592                        | 950.3                        | 15.89           | 26.85                      | 16.7                         |
| <b>Trabecular Compartment</b> |                             |                              |                 |                            |                              |
| Femoral Neck                  | .255                        | 165.9                        | 1.14            | 4.46                       | 6.9                          |
| Trochanter                    | .379                        | 146.2                        | 3.25            | 8.57                       | 22.2                         |
| Intertrochanter               | .323                        | 164.1                        | 4.46            | 13.80                      | 27.2                         |
| Total Hip                     | .329                        | 157.3                        | 8.84            | 26.85                      | 56.2                         |

### 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: 34.9 degrees  
Femoral Neck Width: 26.7 mm  
Hip Axis Length: 103.2 mm  
FN ROI Height: 15.0 mm

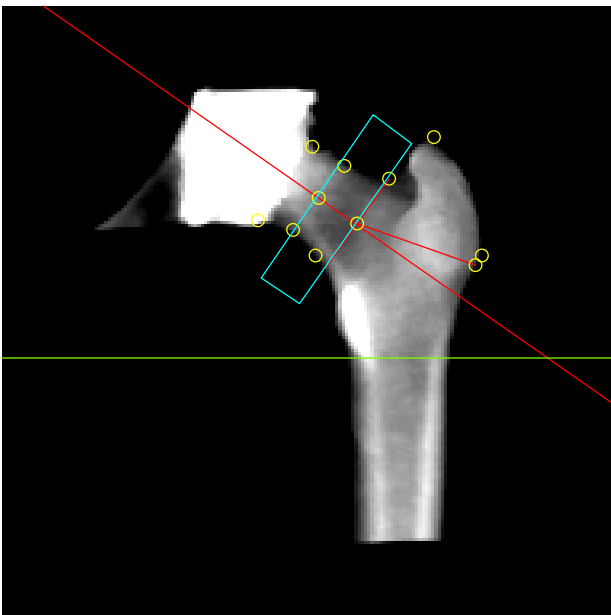


Image not intended for diagnostic purposes.