

CTXATM Hip Bone Mineral Densitometry

Technical Report

Patient Information

Name: LE065, LE065
ID: LE065
Date: 08/09/2014
Sex: Female
DOB: 26/03/1964
Age: 50

CT Scan Parameters

kVp: 120
mA: 117
Scan Time: 1.00
Table Height: 152.0
SFOV: 500
Slice Thickness (mm): 1.50
FUC: 1.073

ROI Measurements

| ROI | BMD (g/cm ²) | BMD (mg/cm ³) | Mass (grams) | Area (cm ²) | Volume (cm ³) |
|-------------------------------|-----------------------------|------------------------------|-----------------|----------------------------|------------------------------|
| Total Bone Compartment | | | | | |
| Neck (User Defined) | .841 | 361.3 | 3.85 | 4.58 | 10.7 |
| Femoral Neck | .816 | 358.2 | 3.73 | 4.58 | 10.4 |
| Trochanter | .779 | 270.7 | 6.64 | 8.52 | 24.5 |
| Intertrochanter | 1.538 | 570.8 | 35.78 | 23.27 | 62.7 |
| Total Hip | 1.269 | 472.7 | 46.15 | 36.37 | 97.6 |
| Cortical Compartment | | | | | |
| Femoral Neck | .559 | 1035.8 | 2.56 | 4.58 | 2.5 |
| Trochanter | .440 | 957.3 | 3.75 | 8.52 | 3.9 |
| Intertrochanter | 1.340 | 1139.3 | 31.18 | 23.27 | 27.4 |
| Total Hip | 1.031 | 1110.7 | 37.48 | 36.37 | 33.7 |
| Trabecular Compartment | | | | | |
| Femoral Neck | .256 | 147.3 | 1.17 | 4.58 | 8.0 |
| Trochanter | .338 | 140.0 | 2.88 | 8.52 | 20.6 |
| Intertrochanter | .197 | 130.0 | 4.59 | 23.27 | 35.3 |
| Total Hip | .238 | 135.3 | 8.64 | 36.37 | 63.9 |

Segmentation Parameters

High Threshold: 120.0 mg/cm³
Low Threshold: -250.0 mg/cm³
Range: 0.0850
Cortical Bone Threshold: 350.00 mg/cm³
Hip Analyzed: Left

Geometric Measurements

Femoral Neck Axis Angle: 34.1 degrees
Femoral Neck Width: 29.6 mm
Hip Axis Length: 95.1 mm
FN ROI Height: 15.0 mm

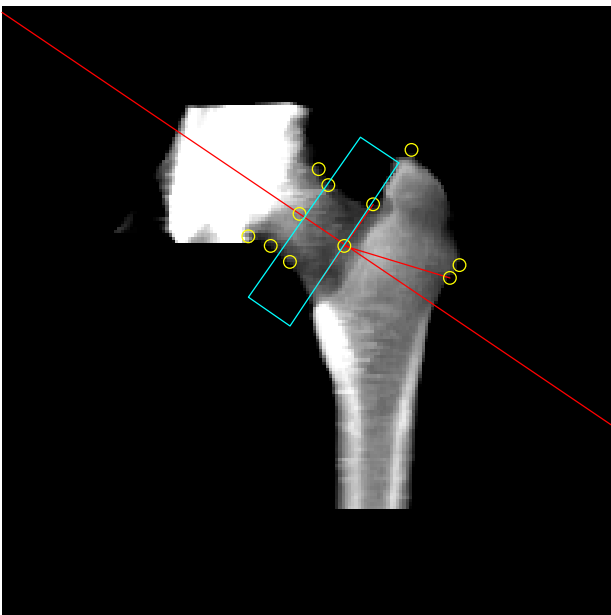


Image not intended for diagnostic purposes.