

CTXATM Hip Bone Mineral Densitometry

Technical Report

Patient Information

Name: RP055, RP055
ID: RP055
Date: 25/08/2014
Sex: Male
DOB: 08/12/1957
Age: 56

CT Scan Parameters

kVp: 120
mA: 157
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) | .824 | 314.8 | 4.52 | 5.49 | 14.4 |
| Femoral Neck | .802 | 317.0 | 4.79 | 5.97 | 15.1 |
| Trochanter | .827 | 257.8 | 9.46 | 11.43 | 36.7 |
| Intertrochanter | 1.125 | 349.2 | 24.85 | 22.09 | 71.2 |
| Total Hip | .990 | 318.0 | 39.10 | 39.50 | 123.0 |
| Cortical Compartment | | | | | |
| Femoral Neck | .602 | 1145.2 | 3.59 | 5.97 | 3.1 |
| Trochanter | .498 | 933.3 | 5.69 | 11.43 | 6.1 |
| Intertrochanter | .881 | 1026.4 | 19.46 | 22.09 | 19.0 |
| Total Hip | .728 | 1019.7 | 28.73 | 39.50 | 28.2 |
| Trabecular Compartment | | | | | |
| Femoral Neck | .200 | 99.8 | 1.19 | 5.97 | 12.0 |
| Trochanter | .329 | 123.1 | 3.76 | 11.43 | 30.6 |
| Intertrochanter | .244 | 103.2 | 5.39 | 22.09 | 52.2 |
| Total Hip | .262 | 109.2 | 10.35 | 39.50 | 94.8 |

Segmentation Parameters

High Threshold: 130.0 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: 41.8 degrees
Femoral Neck Width: 33.3 mm
Hip Axis Length: 127.2 mm
FN ROI Height: 15.0 mm

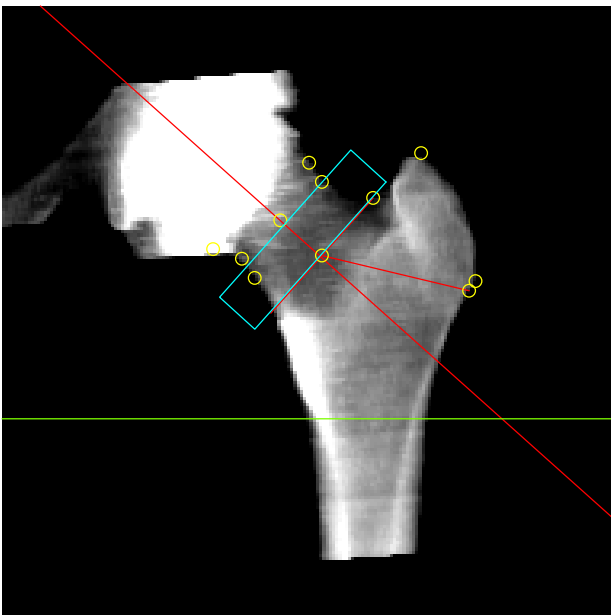


Image not intended for diagnostic purposes.