

CTXATM Hip Bone Mineral Densitometry

Technical Report

Patient Information

Name: EG020, EG020
ID: EG020
Date: 03/04/2014
Sex: Male
DOB: 01/05/1938
Age: 75

CT Scan Parameters

kVp: 120
mA: 189
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) | .767 | 263.5 | 4.67 | 6.09 | 17.7 |
| Femoral Neck | .703 | 258.7 | 4.83 | 6.87 | 18.7 |
| Trochanter | .585 | 175.5 | 7.79 | 13.31 | 44.4 |
| Intertrochanter | 1.203 | 361.7 | 20.67 | 17.18 | 57.2 |
| Total Hip | .891 | 277.0 | 33.29 | 37.37 | 120.2 |
| Cortical Compartment | | | | | |
| Femoral Neck | .464 | 1288.7 | 3.19 | 6.87 | 2.5 |
| Trochanter | .217 | 1426.9 | 2.89 | 13.31 | 2.0 |
| Intertrochanter | .925 | 1067.2 | 15.89 | 17.18 | 14.9 |
| Total Hip | .588 | 1133.2 | 21.97 | 37.37 | 19.4 |
| Trabecular Compartment | | | | | |
| Femoral Neck | .238 | 101.0 | 1.63 | 6.87 | 16.2 |
| Trochanter | .368 | 115.5 | 4.89 | 13.31 | 42.4 |
| Intertrochanter | .278 | 112.9 | 4.77 | 17.18 | 42.3 |
| Total Hip | .302 | 112.1 | 11.30 | 37.37 | 100.8 |

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: 23.9 degrees
Femoral Neck Width: 37.0 mm
Hip Axis Length: 122.0 mm
FN ROI Height: 15.0 mm

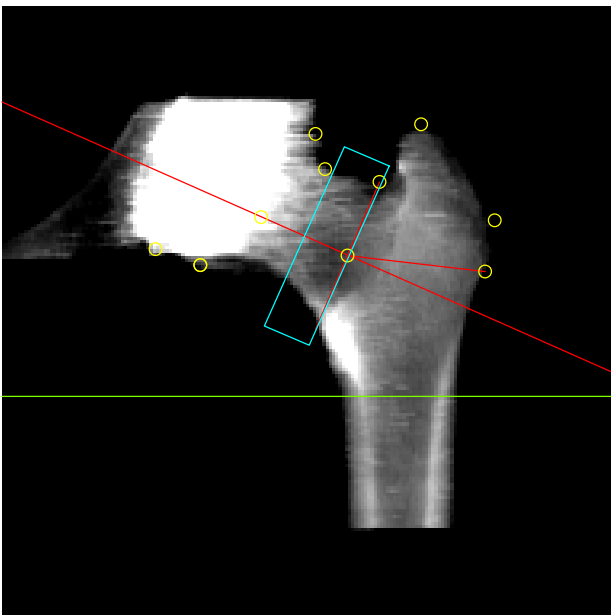


Image not intended for diagnostic purposes.