

CTXA™ Hip Bone Mineral Densitometry

Name: Hasta Adı, Soyadı

Sex: Female
Age: 68
Comments:

DOB: 02.01.1950
Date: 19.02.2018

ID: 433373
Exam: 1

Radiologist:
Referring Physician:

Analysis Results

Hip Analyzed: Left

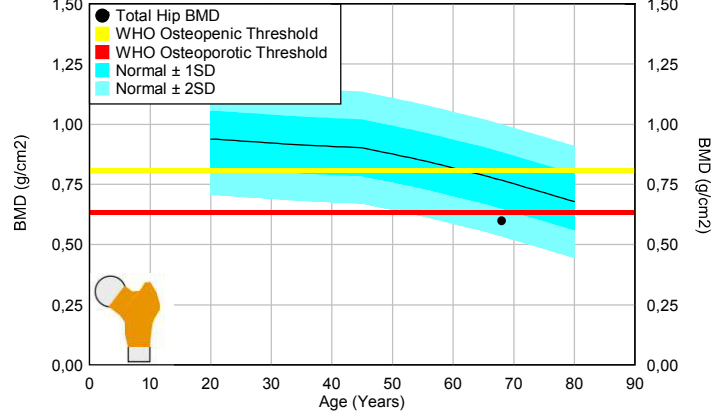
ROI	BMD (g/cm ²)	T-Score	Z-Score
Total	0,599	-2,79	-1,33
Neck	0,475	-2,89	-1,51
Trochanter	0,461	-2,31	-1,09
Intertrochanter	0,729	-2,68	-1,27
Wards	0,275	--	--

Reference Data: CTXA

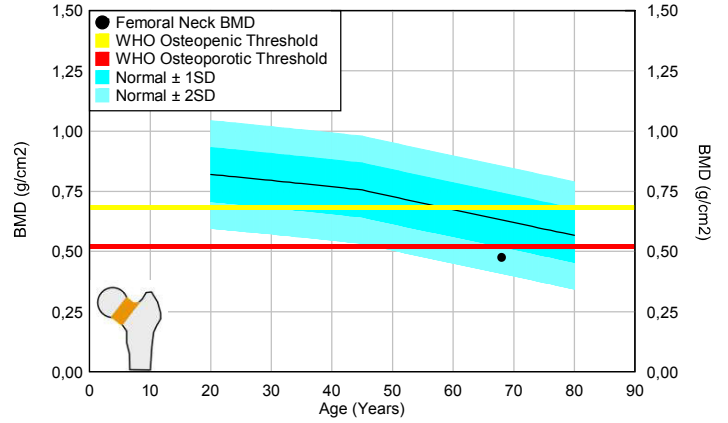
Interpretation: Dünya Sağlık Örgütü (WHO)'ne göre -2.5 den küçük toplam kalça T-Skor değeri, osteoporoz olarak tanımlanmaktadır.

The WHO classification criteria for T-scores

T-score	Classification
greater than -1.0	Normal
between -1.0 and -2.5	Osteopenia
below -2.5	Osteoporosis
below -2.5 with fracture	Severe Osteoporosis



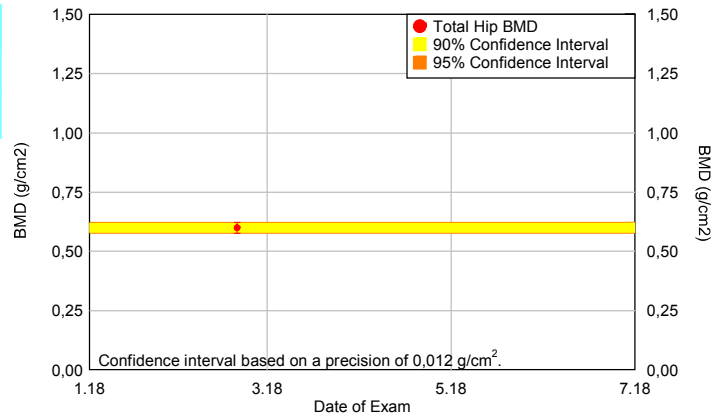
Patient BMD Value Compared to Age-Matched CTXA Total Hip Reference Data



Patient BMD Value Compared to Age-Matched CTXA Femoral Neck Reference Data

Comparison with Previous Examinations

Date	BMD (g/cm ²)		Change (g/cm ²)	
	Neck	Total	Neck	Total
19.02.2018	0,475	0,599	--	--



Comparison with Previous Examinations (Total Hip)

CTXATM Hip Bone Mineral Densitometry

Technical Report

Patient Information

Name: ADI,SOYADI
ID: 433373
Date: 19.02.2018
Sex: Female
DOB: 02.01.1950
Age: 68

CT Scan Parameters

kVp: 130
mA: 72
Scan Time: 1,00
Table Height: 137,0
SFOV: 502
Slice Thickness (mm): 3,00
FUC: 1,000

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)	,475	210,8	2,28	4,81	10,8
Neck	,460	219,2	2,50	5,42	11,4
Trochanter	,461	174,7	4,56	9,88	26,1
Intertrochanter	,729	274,1	11,82	16,23	43,1
Total	,599	234,2	18,88	31,54	80,6
Wards	,275	104,4	,31	1,11	2,9
Cortical Compartment					
Neck	,252	1265,2	1,37	5,42	1,1
Trochanter	,160	1139,3	1,58	9,88	1,4
Intertrochanter	,503	917,2	8,16	16,23	8,9
Total	,352	977,7	11,11	31,54	11,4
Trabecular Compartment					
Neck	,208	109,4	1,13	5,42	10,3
Trochanter	,301	120,4	2,97	9,88	24,7
Intertrochanter	,225	106,9	3,66	16,23	34,2
Total	,246	112,1	7,76	31,54	69,2

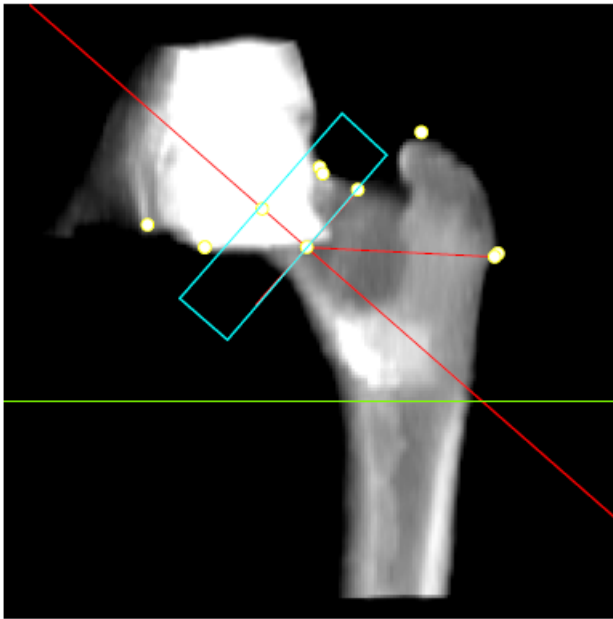


Image not intended for diagnostic purposes.

Segmentation Parameters

High Threshold: 100,0 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: 40,0 degrees
Femoral Neck Width: 28,7 mm
Hip Axis Length: 98,7 mm
FN ROI Height: 15,0 mm