

3D QCT Bone Mineral Densitometry

Name: SMITH, GRANNY

Sex: Female
Age: 62
Comments:

DOB: 4/19/1944
Date: 1/7/2007

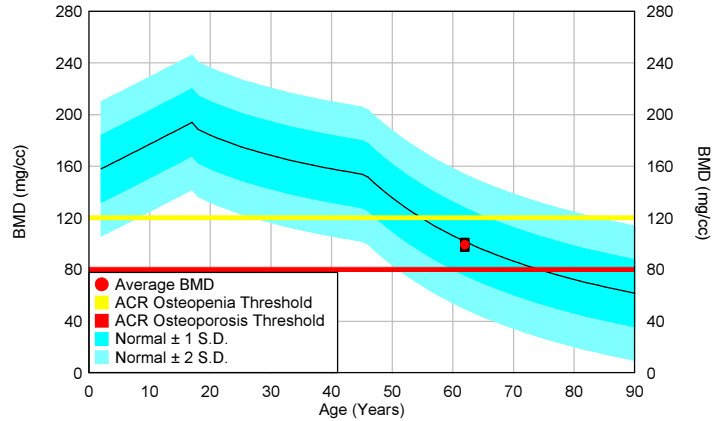
ID: 40832
Exam: 2564

Radiologist: Red
Referring Physician: Green

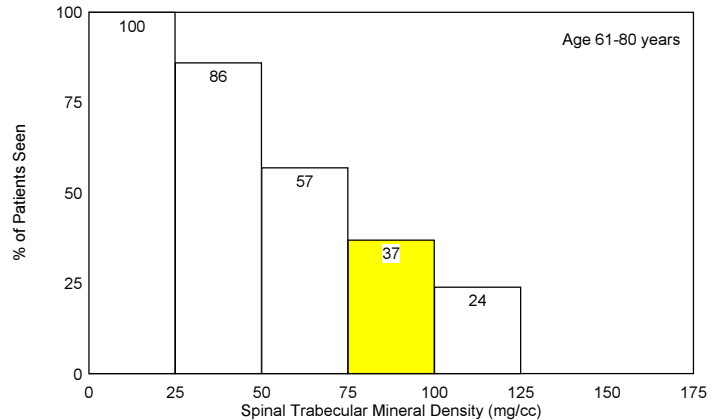
Analysis Results

ROI	BMD (mg/cm ³)	T-Score	Z-Score
T11	-	-	-
T12	-	-	-
L1	100.9	-2.6	0.0
L2	97.3	-2.7	-0.2
L3	-	-	-
L4	-	-	-
Average:	99.1	-2.67	-0.10
Age Matched Normal (UCSF):		101.7 ± 26	

Interpretation: A spine bone density value in the range 80-120 mg/cm³ is indicative of osteopenia. The risk for fracture goes up as the bone density goes down, and some, but not all, individuals with BMD in the lower end of this range will have vertebral fractures.



Patient BMD Value Compared to Age and Sex Matched Control Data (UCSF)



Prevalence of Vertebral Compression Fractures in Untreated Postmenopausal Women Scanned at UCSF

ACR QCT spine BMD classification thresholds

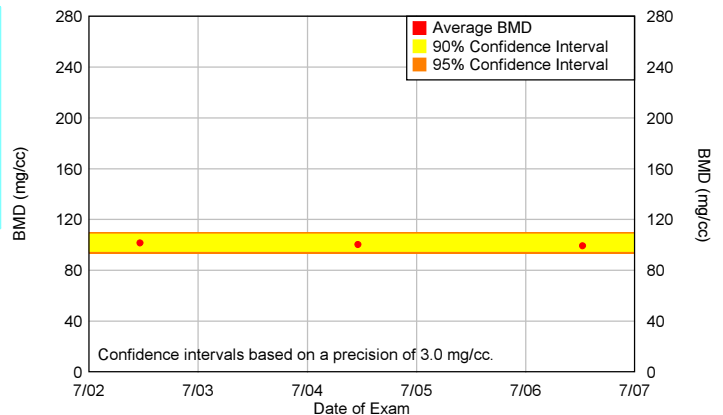
BMD Range	WHO Category
Above 120 mg/cm ³	Normal
80 to 120 mg/cm ³	Osteopenia
Below 80 mg/cm ³	Osteoporosis

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Comparison with Previous Examinations

Date	Avg. BMD	Change (mg/cc)
12/19/2002	101.5	-
12/17/2004	100.2	-1.4
1/7/2007	99.1	-2.5
Change per year:		-0.61

The above analysis based on BMD results for L1 and L2 from each exam.



Comparison with Previous Examinations

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Technical Report

Patient Information

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Technologist: ABC
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Scan Parameters

Vertebra Analyzed: L1, L2
L1 ROI: area=226.0 mm², width=21.7 mm, height=13.3 mm, depth=9.0 mm
L2 ROI: area=259.6 mm², width=23.1 mm, height=14.3 mm, depth=9.0 mm
kVp: 120
SFOV: 500 mm
FUC: 1.002
Table Height: -167.00

