

3D QCT Bone Mineral Densitometry

Patient Information

Name: Burton, Madeline
 ID: 2491688
 Date: 2/8/2002
 Sex: Female
 DOB: 6/12/1935
 Age: 66
 Exam: 53
 Radiologist: Murray Sullivan
 Referring MD: William Baker
 Comments: 2 yr followup on Fosamax

Analysis Results

BMD in mg/cc K₂HPO₄

T11:	-
T12:	-
L1:	86.0
L2:	91.0
L3:	72.5
L4:	-
Average:	83.2
Age Matched Normal (UCSF):	93.6 ± 26
Z-Score:	-0.40
T-Score:	-3.28

Comparison with Previous Examinations

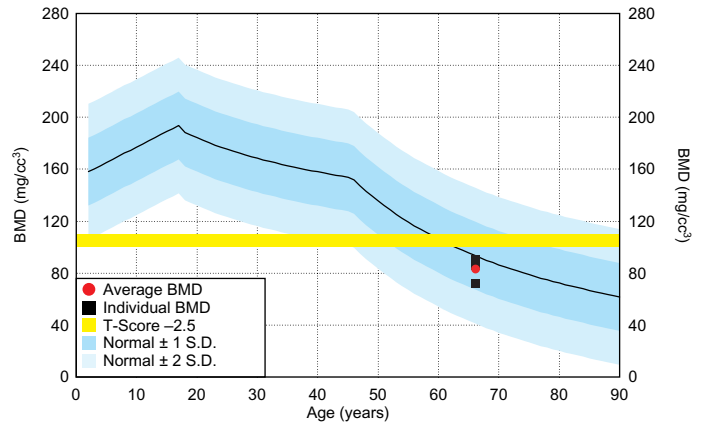
Date	Avg. BMD	Change (mg/cc)
4/15/1998	105.3	-
3/20/2000	85.5	-19.8
2/8/2002	83.2	-22.1

Change per year: **-5.80**

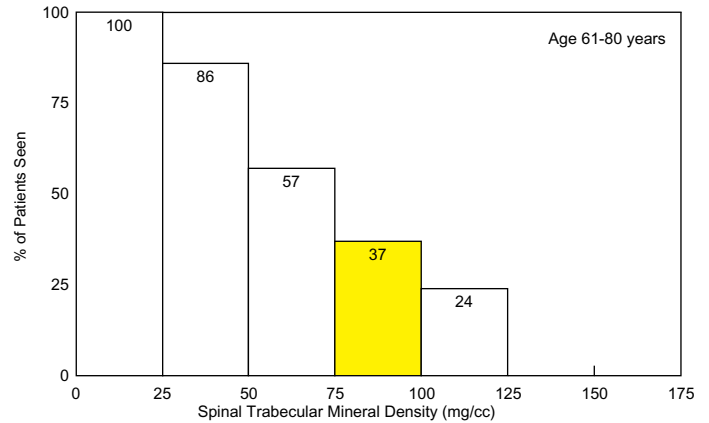
The above analysis based on BMD results for L1 and L2 and L3 from each exam.

Results do not include a correction for variations in bone marrow fat.

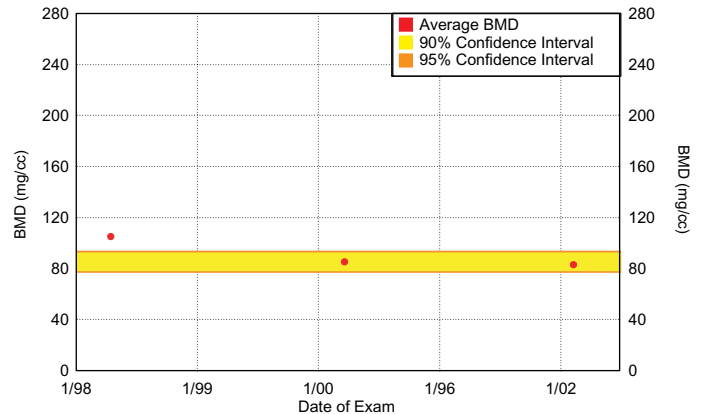
Confidence intervals based on a precision of 3.0 mg/cc.



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



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



Comparison with Previous Examinations

Interpretation: Patient treated with Fosamax past 2 years. Spinal trabecular density of 83.2 mg/cm³ indicates mild osteoporosis, below baseline value of 105 mg/cm³. Consistent with treatment preventing further bone loss since last exam. Note is made of significant aortic with some other vascular calcification.

Murray Sullivan, MD

