ECHOLIGHT DIAGNOSTIC CENTER

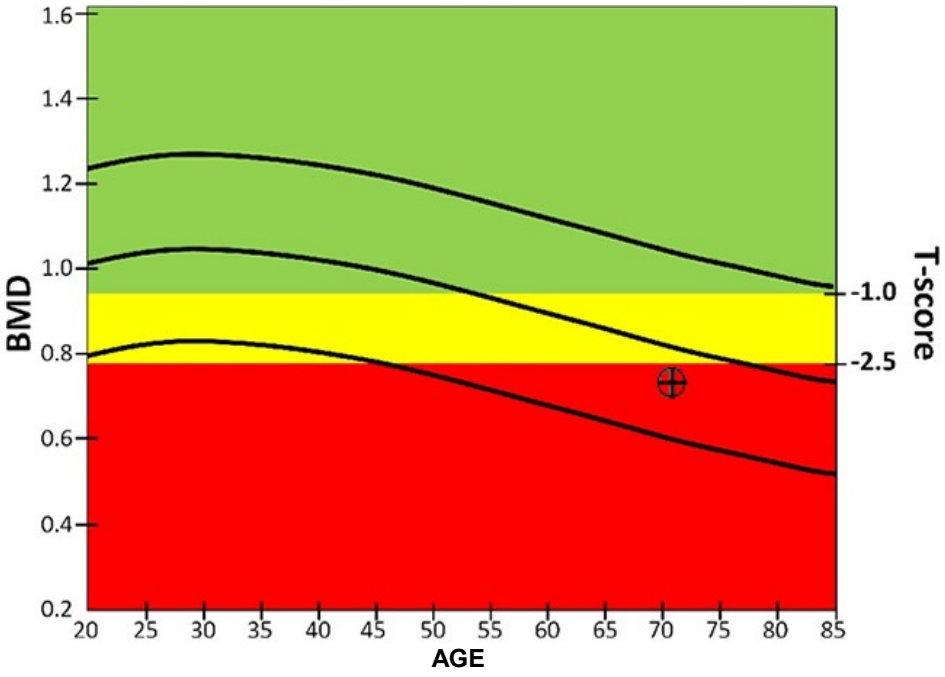
O.U. Lecce

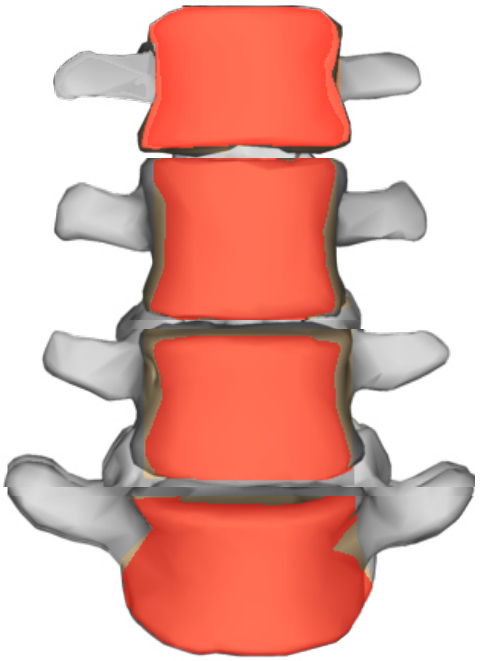
Exam date: [redacted]

Family Name: [redacted] Name: [redacted] MENOPAUSE AGE: [redacted]

Date of Birth: [redacted] Age: [redacted] Gender: [redacted] Weight: 114.64 lb H: 5 ft 1.81 in BMI: 21.1 lb/in²

REMS densitometry: SPINE





	BMD g/cm²	T-score	Z-score	Diagnosis
Total	0.734	-2.9	-0.7	Osteoporosis

	BMD	T-SCORE
L1	0.585	-3.1
L2	0.698	-3.0
L3	0.783	-2.7
L4	0.83	-2.6

Fracture Risk Assessment

Fragility Score - Spine	45.4/100
5-year Risk of Major Osteoporotic Fracture	60-100‰

NOTES / DIAGNOSTIC RESULT

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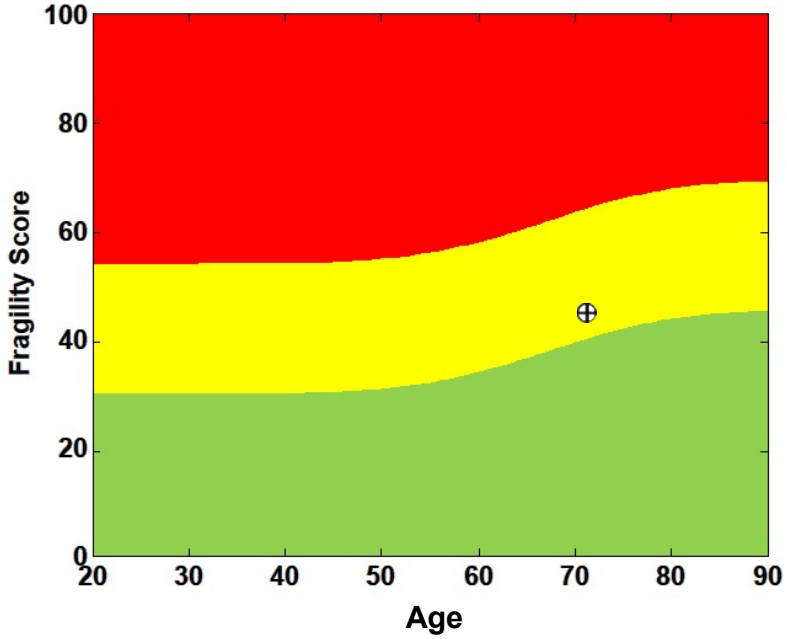
Fragility Score REMS: Spine



Fragility Score	45.4

Fragility Score is an indicator of the quality of bone structure independent of BMD

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REMS Total Risk for Major Osteoporosis Fractures

Combining Matrix of REMS BMD and Fragility Score

REMS FRAGILITY SCORE Classification	REMS T-SCORE classification: NORMAL	OSTEOPENIA	OSTEOPOROSIS
NORMAL	R1	R3	R5
DECREASED	R2	R4	R6
LOW	R3	R5	R7

Total Fracture Risk at 5 years (‰)

Risk class	Risk of major osteoporotic fracture per 1000 subjects per 5 years
R1	≤ 5
R2	[5-10]
R3	[10-20]
R4	[20-35]
R5	[35-60]
R6	[60-100]
R7	> 100

ECHOLIGHT

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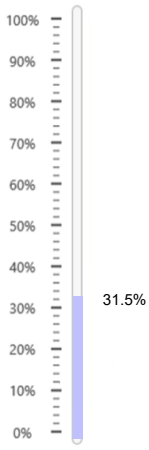
BODY COMPOSITION		Measured	Normal Range
BMI		**21.1** lb/in²	**15.5-24.9** lb/in²
Total Body Weight		**114.64** lb	**119.56** lb
Body FAT		**31.5**%	**31-34**%
Basal Metabolism		**1191.8** kcal/day	
Activity Metabolism	**Sedentary**	(little or no exercise):	**1430.2** kcal/day
	Moderately active	(moderate exercise/sports 3-5 days):	**1847.3** kcal/day
	Very active	(hard exercise/sports 6-7 days):	**2055.9** kcal/day

BODY FAT

Years	Underweight	Slim	Fit	Overweight	Obese
19-24	< 19 %	19-22 %	22-25 %	25-29 %	> 29 %
25-29	< 19 %	19-22 %	22-25 %	25-29 %	> 29 %
30-34	< 20 %	20-23 %	23-26 %	26-30 %	> 30 %
35-39	< 21 %	21-24 %	24-28 %	28-31 %	> 31 %
40-44	< 23 %	23-26 %	26-29 %	29-33 %	> 33 %
45-49	< 24 %	24-27 %	27-31 %	31-34 %	> 34 %
50-54	< 27 %	27-30 %	30-33 %	33-36 %	> 36 %
55-59	< 27 %	27-31 %	31-34 %	34-37 %	> 37 %
≥ 60	< 28 %	28-31 %	31-34 %	34-38 %	> 38 %



BODY MASS INDEX

Underweight <18.5	Normal 18.5-24.9	Overweight 25-29.9	Obese 30-34.9	Ext. Obese >35

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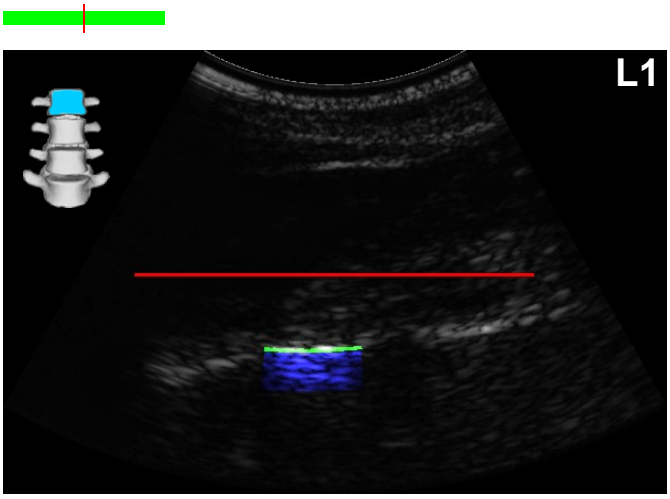
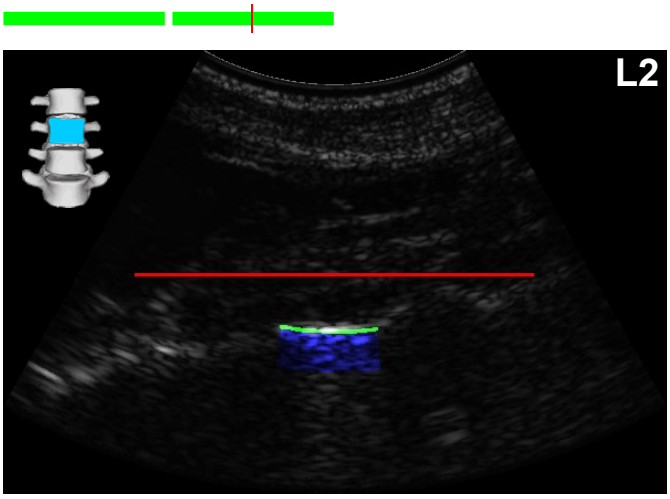
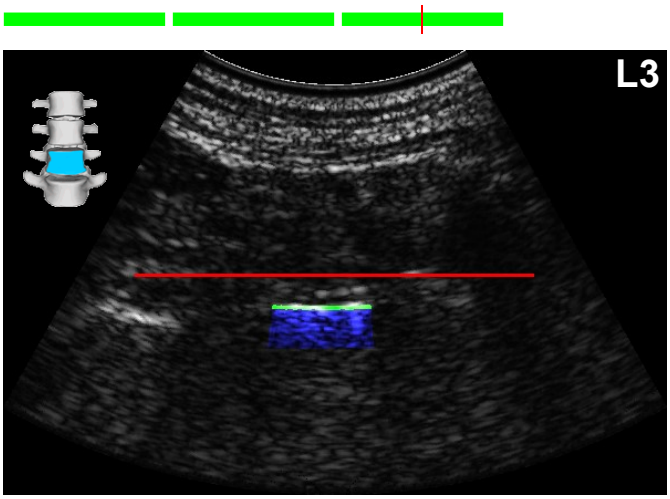
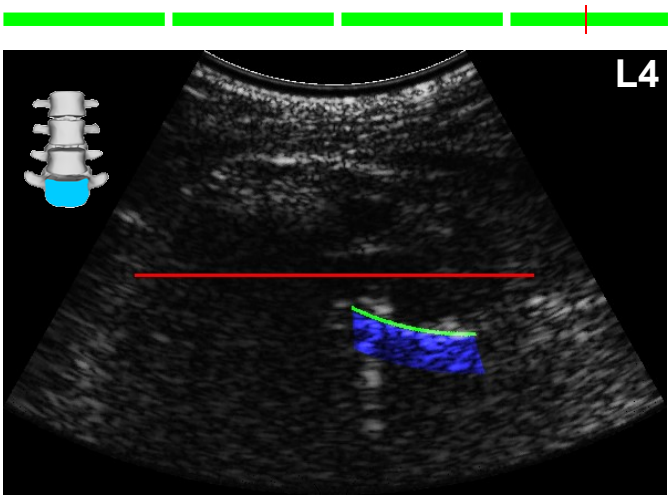
L1-L4 acquisition sample for Focus and Depth verification *









*not for diagnostic purposes