

# FAX COVER SHEET

TO: May FAX: 1-604-899-4572  
COMPANY: Algae Cal PHONE: \_\_\_\_\_  
RE: Dupa Studies 2009-11, 13, and 2015  
FROM: Elybeth Loch FAX: #1-919-403-1456  
COMPANY: N/A PHONE: 919-489-3518  
DATE: August 5, 2015 PAGES: 10

## MESSAGE

ATTN: May, Customer Service  
Please email the internet link. In 2015,  
Dr. Kirk said that I had increased my bone  
density by over 5%. She is my endocrinologist.  
  
Elybeth Loch

## PAKMAIL

1815 MARTIN LUTHER KING PKWY

DURHAM, NC 27707

919-403-8511

919-403-1456(FAX)

DURHAMPAKMAIL@GMAIL.COM

WWW.DURHAMPAKMAIL.COM

2009

Telephone: 919-383-3388

Fax: 919-383-9140

Name: LOEHR, ELIZABETH  
 Patient ID: BUDDY - 0902  
 DOB: July 27, 1940

Sex: Female  
 Ethnicity: White

Height: 66.0 in  
 Weight: 157.0 lb  
 Age: 68

Referring Physician: MARUM

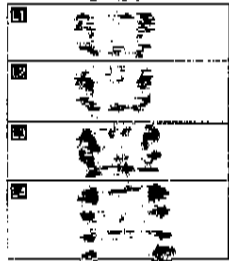
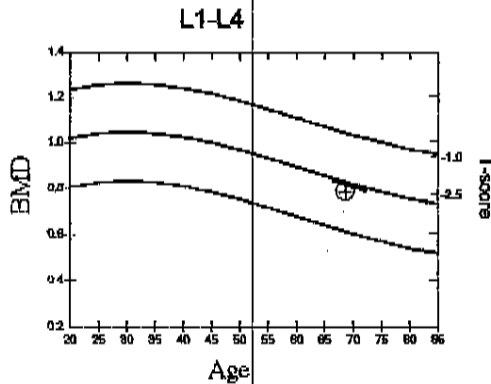


Image not for diagnostic use  
 116 x 133



Fracture Risk  
 Not Increased  Increased  High  
 T-score vs. White Female; Z-score vs. White Female.  
 Source: BMDCS/Hologic

Scan Date: March 09, 2009 - A0309092E

**DXA Results Summary:**

Region	BMD (g/cm²)	T-score	Z-score
L1-L4	0.786	-2.4	-0.4

Total BMD CV 1.0%  
 WHO Classification: Osteopenia  
 Fracture Risk: Increased

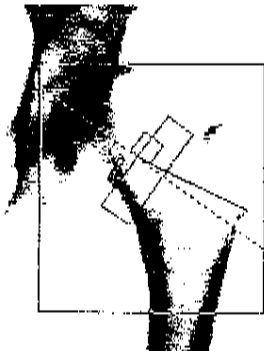
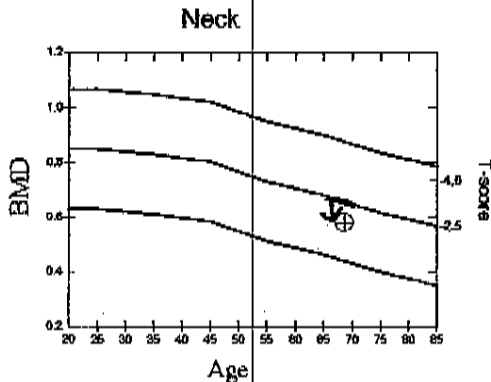


Image not for diagnostic use  
 99 x 109  
 NECK: 49 x 15



Fracture Risk  
 Not Increased  Increased  High  
 T-score vs. White Female; Z-score vs. White Female.  
 Source: BMDCS/NHANES

Scan Date: March 09, 2009 - A0309092D

Region	BMD (g/cm²)	T-score	Z-score
Neck	0.583	-2.4	-0.7
Total	0.828	-0.9	0.5

Total BMD CV 1.0%  
 WHO Classification: Osteopenia  
 Fracture Risk: Increased

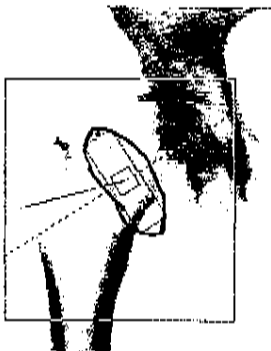
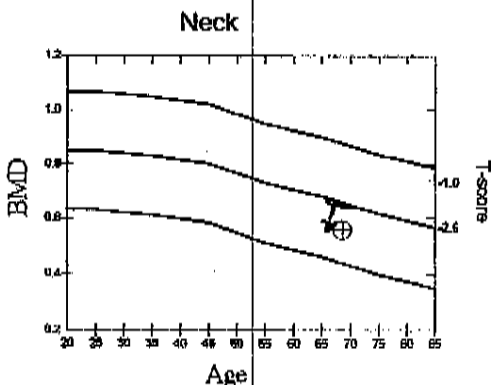


Image not for diagnostic use  
 103 x 108  
 NECK: 47 x 15



Fracture Risk  
 Not Increased  Increased  High  
 T-score vs. White Female; Z-score vs. White Female.  
 Source: BMDCS/NHANES

Scan Date: March 09, 2009 - A0309092C

Region	BMD (g/cm²)	T-score	Z-score
Neck	0.559	-2.6	-0.9
Total	0.782	-1.3	0.1

Total BMD CV 1.0%  
 WHO Classification: Osteoporosis  
 Fracture Risk: High

# Bone Health/Durham Physicians, P.A.

305 Brook Chase Lane  
Durham, NC 27705

2011

Telephone: 919-383-3388

Fax: 919-383-9140

Name: LOEHR, ELIZABETH  
Patient ID: BUDDY - 0902  
DOB: July 27, 1940

Sex: Female  
Ethnicity: White

Height: 66.0 in  
Weight: 162.0 lb  
Age: 70

Referring Physician: MARUM

Scan Date: March 14, 2011 - A0314112I

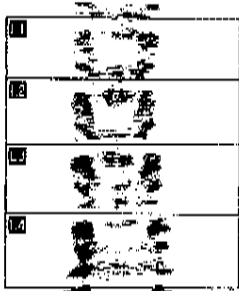
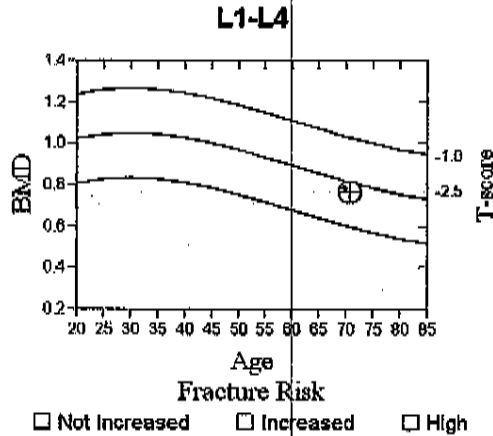


Image not for diagnostic use  
116 x 133



T-score vs. White Female; Z-score vs. White Female.  
Source: BMDCS/Ilologic

Region	BMD (g/cm <sup>2</sup> )	T-score	Z-score
L1-L4	0.766	-2.6	-0.4

WHO Classification: Osteoporosis  
Fracture Risk: High

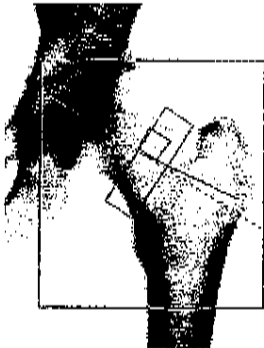
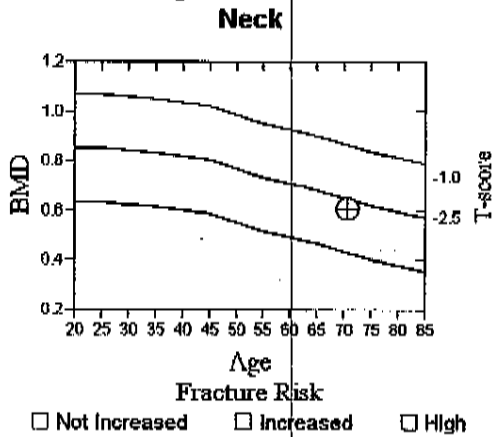


Image not for diagnostic use  
99 x 109  
NECK: 49 x 15



T-score vs. White Female; Z-score vs. White Female.  
Source: BMDCS/NHANES

Scan Date: March 14, 2011 - A0314112H

Region	BMD (g/cm <sup>2</sup> )	T-score	Z-score
Neck	0.608	-2.2	-0.3
Total	0.838	-0.8	0.7

WHO Classification: Osteopenia  
Fracture Risk: Increased

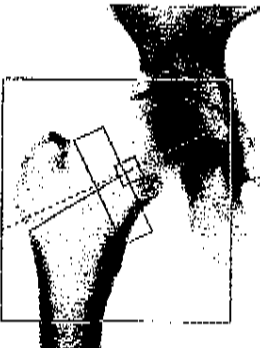
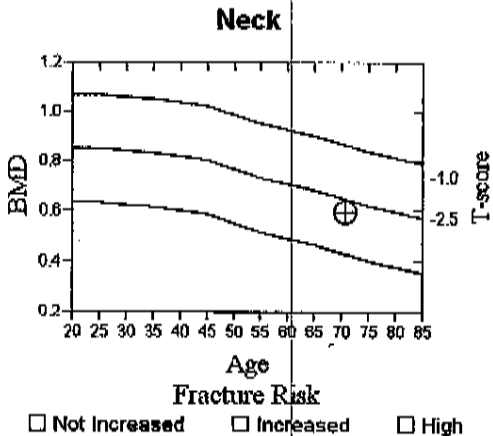


Image not for diagnostic use  
103 x 108  
NECK: 52 x 15



T-score vs. White Female; Z-score vs. White Female.  
Source: BMDCS/NHANES

Scan Date: March 14, 2011 - A0314112G

Region	BMD (g/cm <sup>2</sup> )	T-score	Z-score
Neck	0.595	-2.3	-0.5
Total	0.795	-1.2	0.3

WHO Classification: Osteopenia  
Fracture Risk: Increased

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Total BMD CV 1.0%

# Bone Health/Triangle Orthopedic Associates

305 Brook Chase Lane  
Durham, NC 27705

2013

Telephone: 919-383-3388

Fax: 919-383-9140

Name: LOEHR, ELIZABETH  
Patient ID: BUDDY - 0902  
DOB: July 27, 1940

Sex: Female  
Ethnicity: White

Height: 65.0 in  
Weight: 156.0 lb  
Age: 72

Referring Physician: MARUM

Scan Date: April 04, 2013 - A04041305

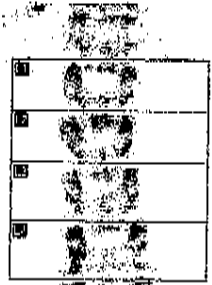
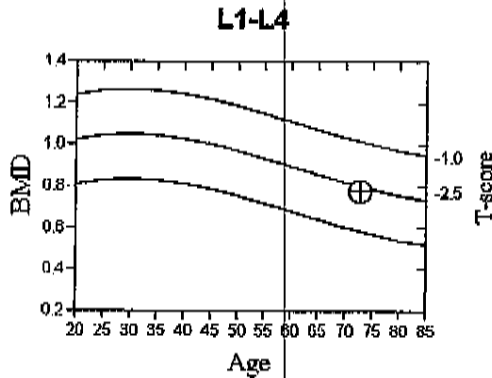


Image not for diagnostic use  
116 x 129



T-score vs. White Female; Z-score vs. White Female.  
Source: BMDCS/Hologic

Region	BMD (g/cm <sup>3</sup> )	T-score	Z-score
L1-L4	0.775	-2.5	-0.2

WHO Classification: Osteoporosis  
Fracture Risk: High

Scan Date: April 04, 2013 - A04041304

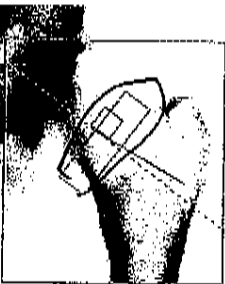
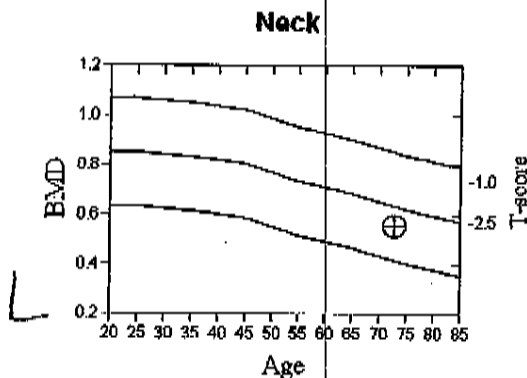


Image not for diagnostic use  
99 x 109  
NECK: 49 x 15



T-score vs. White Female; Z-score vs. White Female.  
Source: BMDCS/NHANES

Region	BMD (g/cm <sup>3</sup> )	T-score	Z-score
Neck	0.557	-2.6	-0.7
Total	0.782	-1.3	0.3

WHO Classification: Osteoporosis

**10-year Fracture Risk**

**FRAX not reported because:**  
Some T-score at or below -2.5

Scan Date: April 04, 2013 - A04041303

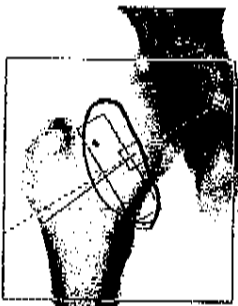
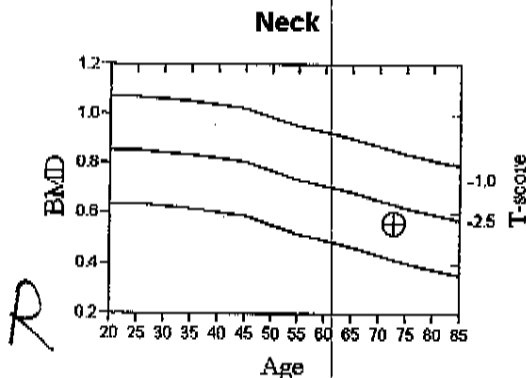


Image not for diagnostic use  
103 x 108  
NECK: 50 x 15



T-score vs. White Female; Z-score vs. White Female.  
Source: BMDCS/NHANES

Region	BMD (g/cm <sup>3</sup> )	T-score	Z-score
Neck	0.559	-2.6	-0.7
Total	0.733	-1.7	-0.1

WHO Classification: Osteoporosis

**10-year Fracture Risk**

**FRAX not reported because:**  
Some T-score at or below -2.5

**HOLOGIC®**

Total BMD CV 1.0%

# Bone Health/Triangle Orthopedic Associates

305 Brook Chase Lane  
Durham, NC 27705

2013

Telephone: 919-383-3388

Fax: 919-383-9140

Name: LOEHR, ELIZABETH  
Patient ID: BUDDY - 0902  
DOB: July 27, 1940

Sex: Female  
Ethnicity: White

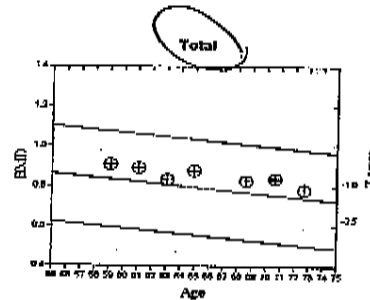
Height: 65.0 in  
Weight: 156.0 lb  
Age: 72

Referring Physician: MARUM

### Scan Information:

Scan Date: April 04, 2013 ID: A04041304  
Scan Type: x Left Hip  
Analysis: April 04, 2013 14:14 Version 13.2  
Left Hip

Operator:  
Model: Discovery C (S/N 49278)  
Comment:



T-score vs. White Female; Z-score vs. White Female. Source:BMDCS/NHANES

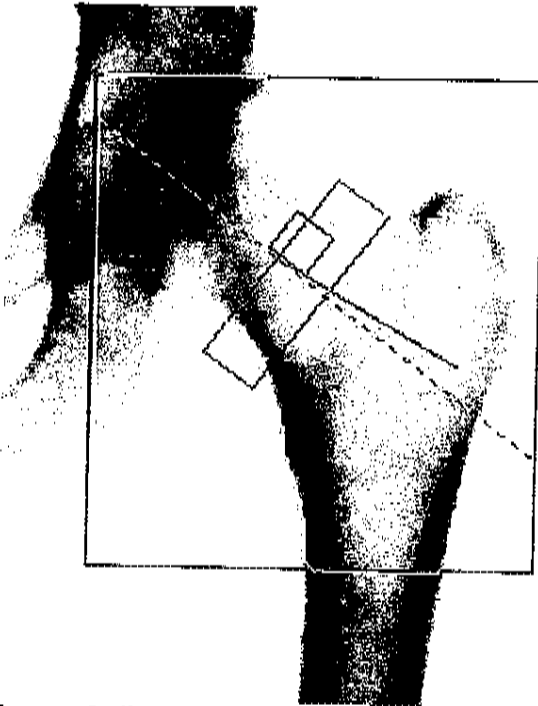


Image not for diagnostic use  
99 x 109  
NECK: 49 x 15

### 10-year Fracture Risk

FRAX not reported because:  
Some T-score at or below -2.5

### DXA Results Summary:

Scan Date	Age	BMD (g/cm <sup>2</sup> )	T - score	BMD Change	
				vs Baseline	vs Previous
04/04/2013	72	0.782	-1.3	-13.9%#	-6.7%#
03/14/2011	70	0.838	-0.8	-7.7%*	1.2%
03/09/2009	68	0.828	-0.9	-8.8%*	-5.7%*
07/19/2005	64	0.879	-0.5	-3.3%*	5.5%#
08/27/2003	63	0.832	-0.9	-8.3%#	-6.5%#
08/29/2001	61	0.891	-0.4	-1.9%	-1.9%
08/19/1999	59	0.908	-0.3		

\* Denotes significance at 95% confidence level, LSC is 0.026675 g/cm<sup>2</sup>  
# Denotes dissimilar scan types or analysis methods.

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# Bone Health/Triangle Orthopedic Associates

305 Brook Chase Lane  
Durham, NC 27705

2013

Telephone: 919-383-3388

Fax: 919-383-9140

Name: LOEHR, ELIZABETH  
Patient ID: BUDDY - 0902  
DOB: July 27, 1940

Sex: Female  
Ethnicity: White

Height: 65.0 in  
Weight: 156.0 lb  
Age: 72

Referring Physician: MARUM

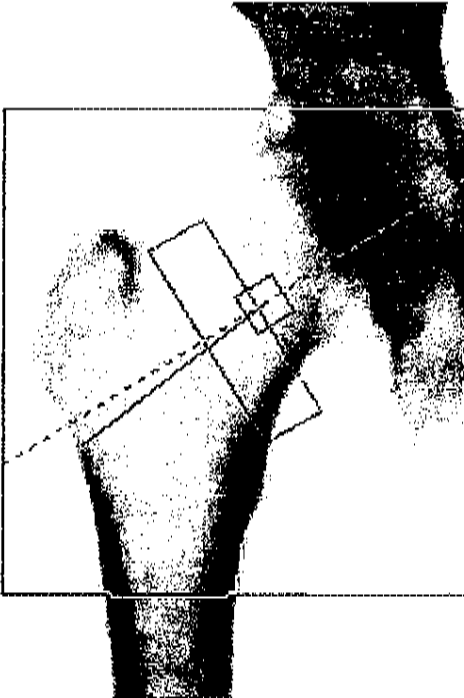
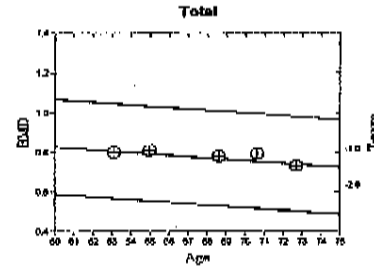


Image not for diagnostic use  
103 x 108  
NECK: 50 x 15

### Scan Information:

Scan Date: April 04, 2013 ID: A04041303  
Scan Type: x Right Hip  
Analysis: April 04, 2013 14:13 Version 13.2  
Right Hip

Operator:  
Model: Discovery C (S/N 49278)  
Comment:



T-score vs. White Female; Z-score vs. White Female. Source: BMDCS/NHANES

### 10-year Fracture Risk

FRAX not reported because:  
Some T-score at or below -2.5

### DXA Results Summary:

Scan Date	Age	BMD (g/cm <sup>2</sup> )	T - score	BMD Change	
				vs Baseline	vs Previous
04/04/2013	72	0.733	-1.7	-8.7%*	-7.9%#
03/14/2011	70	0.795	-1.2	-0.9%#	1.7%
03/09/2009	68	0.782	-1.3	-2.6%#	-3.7%*
07/19/2005	64	0.812	-1.1	1.2%#	1.2%#
08/27/2003	63	0.803	-1.1		

\* Denotes significance at 95% confidence level, LSC is 0.026675 g/cm<sup>2</sup>  
# Denotes dissimilar scan types or analysis methods.

**HOLOGIC®**

# Bone Health/Triangle Orthopedic Associates

305 Brook Chase Lane  
Durham, NC 27705

2013

Telephone: 919-383-3388

Fax: 919-383-9140

Name: LOEHR, ELIZABETH  
Patient ID: BUDDY - 0902  
DOB: July 27, 1940

Sex: Female  
Ethnicity: White

Height: 65.0 in  
Weight: 156.0 lb  
Age: 72

Referring Physician: MARUM

### Scan Information:

Scan Date: April 04, 2013 ID: A04041305  
Scan Type: x Lumbar Spine  
Analysis: April 04, 2013 14:15 Version 13.2  
Lumbar Spine

Operator:  
Model: Discovery C (S/N 49278)  
Comment:

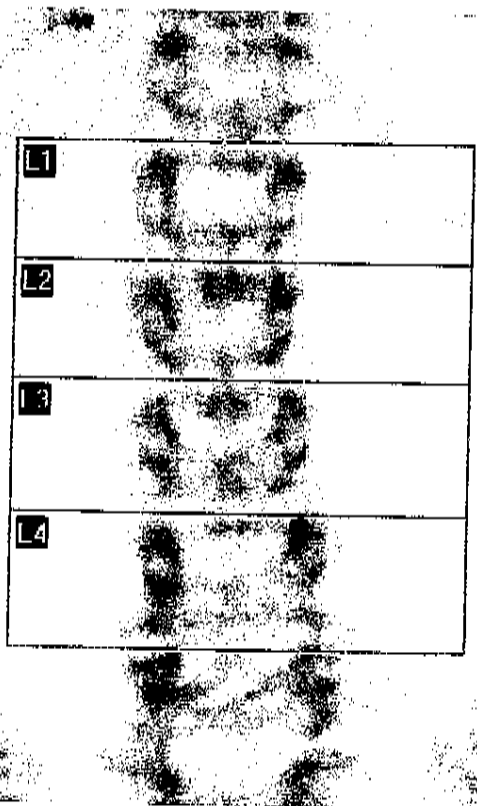
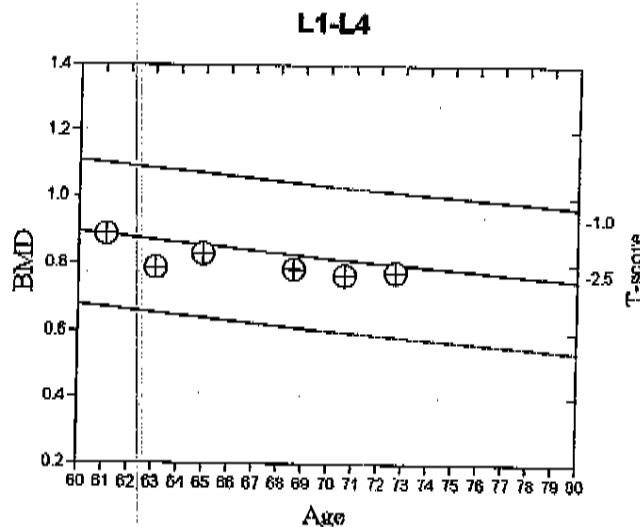


Image not for diagnostic use  
116 x 129



T-score vs. White Female; Z-score vs. White Female. Source: BMDCS/Hologic

### DXA Results Summary: L1-L4

Scan Date	Age	BMD (g/cm <sup>2</sup> )	T- score	BMD Change	
				vs Baseline	vs Previous
04/04/2013	72	0.775	-2.5	-12.7%#	1.2%#
03/14/2011	70	0.766	-2.6	-13.7%*	-2.5%
03/09/2009	68	0.786	-2.4	-11.5%*	-5.3%*
07/19/2005	64	0.829	-2.0	-6.6%*	5.2%#
08/27/2003	63	0.789	-2.3	-11.2%#	-11.2%#
08/29/2001	61	0.888	-1.4		

\* Denotes significance at 95% confidence level, LSC is 0.022326 g/cm<sup>2</sup>  
# Denotes dissimilar scan types or analysis methods.

**HOLOGIC®**

# UNC Highgate Specialty Center 2015

5316 Highgate Dr, Suite 125  
Durham, N.C. 27713

Telephone: 919-484-1015

Fax: 919-806-2181

Name: Loehr, Elizabeth  
Patient ID: 10850626  
DOB: July 27, 1940

Sex: Female  
Ethnicity: White  
Menopause Age: 47

Height: 65.0 in  
Weight: 156.4 lb  
Age: 74

Referring Physician: Kirk

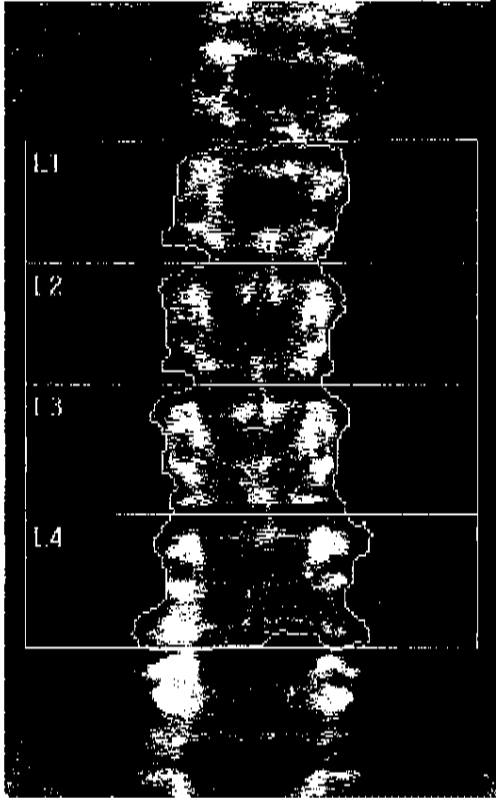


Image not for diagnostic use  
k = 1.110, d0 = 48.1  
116 x 130

### Scan Information:

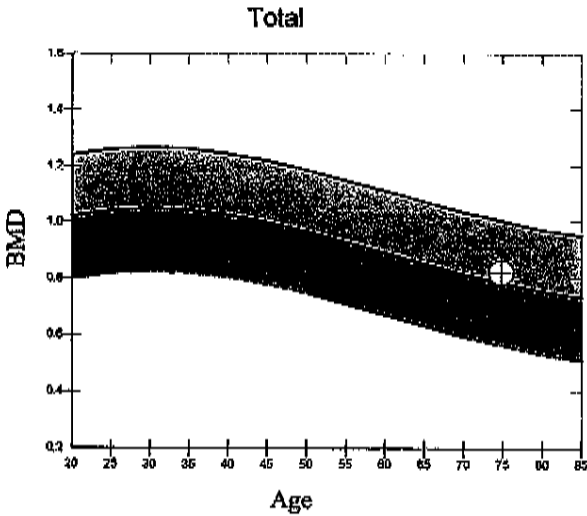
Scan Date: May 20, 2015 ID: A0520150B  
Scan Type: a Lumbar Spine  
Analysis: May 20, 2015 11:15 Version 12.5:7  
Lumbar Spine  
Operator: er  
Model: Discovery W (S/N 82365)  
Comment:

### DXA Results Summary:

Region	Area (cm <sup>2</sup> )	BMC (g)	BMD (g/cm <sup>3</sup> )	T-score	Z-score
L1	12.41	9.08	0.731	-1.8	0.4
L2	13.28	10.76	0.811	-2.0	0.4
L3	15.02	12.97	0.863	-2.0	0.5
L4	17.85	15.31	0.858	-2.3	0.2
<b>Total</b>	<b>58.56</b>	<b>48.12</b>	<b>0.822</b>	<b>-2.0</b>	<b>0.3</b>

Total BMD CV 1.0%, ACF = 1.038, BCF = 1.010, TH = 7.55%  
WHO Classification: Osteopenia  
Fracture Risk: Increased

2.5 2013  
 ↑  
-2.0 2011



### Physician's Comment:

T-score vs. White Female; Z-score vs. White Female. Source: Hologic



# UNC Highgate Specialty Center

5316 Highgate Dr, Suite 125  
Durham, N.C. 27713

2015

Telephone: 919-484-1015

Fax: 919-806-2181

Name: Loehr, Elizabeth  
Patient ID: 10850626  
DOB: July 27, 1940

Sex: Female  
Ethnicity: White  
Menopause Age: 47

Height: 65.0 in  
Weight: 156.4 lb  
Age: 74

Referring Physician: Kirk

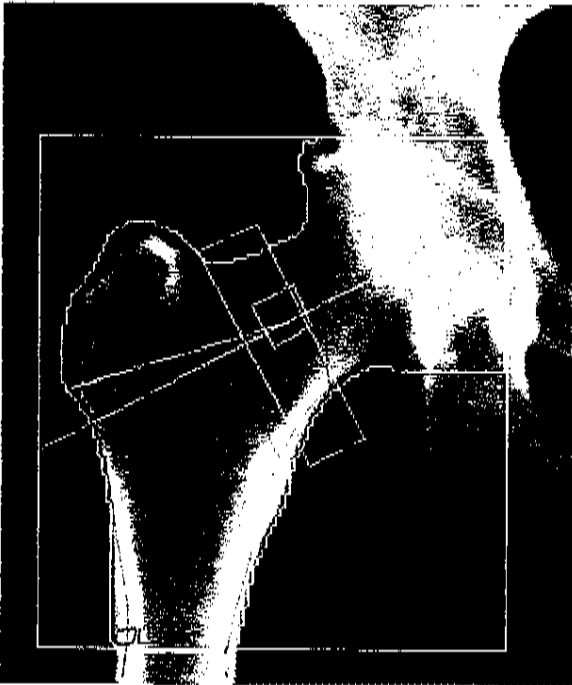


Image not for diagnostic use  
k = 1.116, d0 = 53.2  
104 x 114  
NECK: 54 x 15

### Scan Information:

Scan Date: May 20, 2015 ID: A0520150A  
Scan Type: a Right Hip  
Analysis: May 20, 2015 11:11 Version 12.5:7  
Right Hip  
Operator: er  
Model: Discovery W (S/N 82365)  
Comment:

### DXA Results Summary:

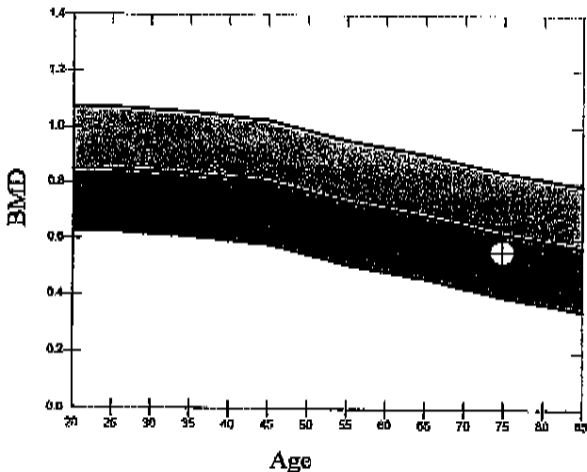
Region	Area (cm <sup>2</sup> )	BMC (g)	BMD (g/cm <sup>2</sup> )	T <sub>v</sub> score	Z-score
Neck	5.69	3.18	0.558	-2.6	-0.6
Total	40.13	34.67	0.864	-0.6	1.1

Total BMD CV 1.0%, ACF = 1.038, BCF = 1.010, TH = 5.744  
WHO Classification: Osteoporosis  
Fracture Risk: High

HP

Handwritten notes and arrows pointing to the DXA results table:  
-1.7 (2013)  
-1.2 (2011)  
-2.6 (2011)  
-1.6 (2013)  
Left  
2.6 (2011)

Neck



### Physician's Comment:

T-score vs. White Female; Z-score vs. White Female. Source: NHANES

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# UNC Highgate Specialty Center

5316 Highgate Dr, Suite 125  
Durham, N.C. 27713

2015

Telephone: 919-484-1015

Fax: 919-806-2181

Name: Loehr, Elizabeth  
Patient ID: 10850626  
DOB: July 27, 1940

Sex: Female  
Ethnicity: White  
Menopause Age: 47

Height: 65.0 in  
Weight: 156.4 lb  
Age: 74

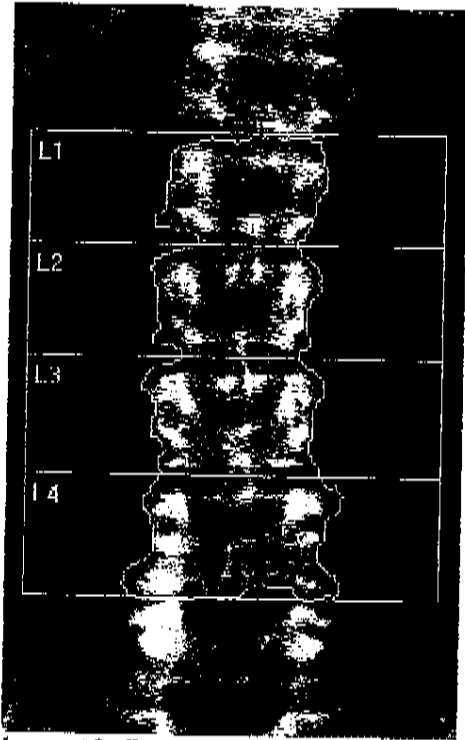


Image not for diagnostic use  
k = 1.110, d0 = 48.1  
116 x 130

**Scan Information:**

Scan Date: May 20, 2015 ID: A0520150B  
Scan Type: a Lumbar Spine  
Analysis: May 20, 2015 11:15 Version 12.5  
Lumbar Spine  
Operator: er  
Model: Discovery W (S/N 82365)  
Comment:

**DXA Results Summary:**

Region	Area (cm <sup>2</sup> )	BMC (g)	BMD (g/cm <sup>3</sup> )	T-score	Z-score
L1	12.41	9.08	0.731	-1.8	0.4
L2	13.28	10.76	0.811	-2.0	0.4
L3	15.02	12.97	0.863	-2.0	0.5
L4	17.85	15.31	0.858	-2.3	0.2
L1-L2	25.69	19.84	0.772	-1.9	0.4
L1,L3	27.43	22.05	0.804	-1.9	0.4
L1,L4	30.26	24.38	0.806	-2.1	0.3
L2-L3	28.30	23.73	0.839	-2.0	0.4
L2,L4	31.13	26.07	0.838	-2.2	0.3
L3-L4	32.87	28.27	0.860	-2.2	0.3
L1-L3	40.71	32.81	0.806	-1.9	0.4
L1-L2,L4	43.54	35.15	0.807	-2.1	0.3
L1,L3-L4	45.28	37.35	0.825	-2.1	0.4
L2-L4	46.15	39.04	0.846	-2.1	0.4
L1-L4	58.56	48.12	0.822	-2.0	0.3

Total BMD CV 1.0%

**HOLOGIC®**