

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 [REDACTED]
COMPANY: N/A
DATE: August 5, 2015

MESSAGE

Att: 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
 DOB: July 27, 1940

Sex: Female
 Ethnicity: White

Height: 66.0 in
 Weight: 157.0 lb
 Age: 68

Referring Physician: MARUM

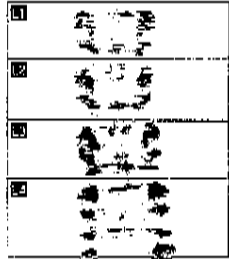
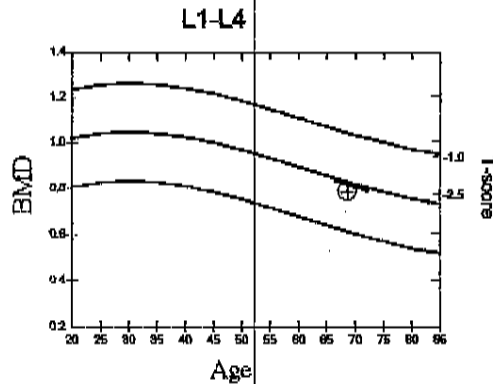


Image not for diagnostic use
 116 x 133



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

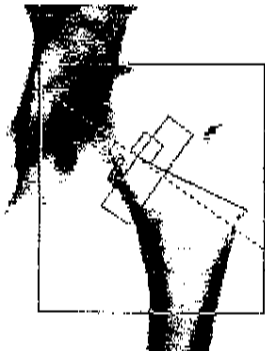
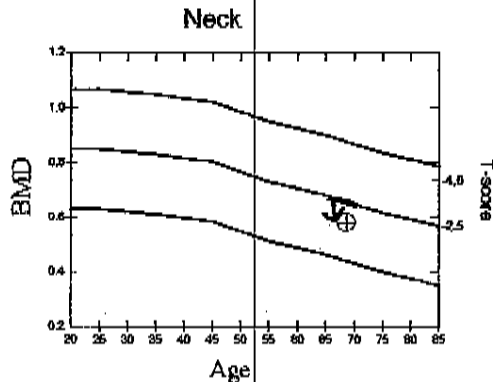


Image not for diagnostic use
 99 x 109
 NECK: 49 x 15



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

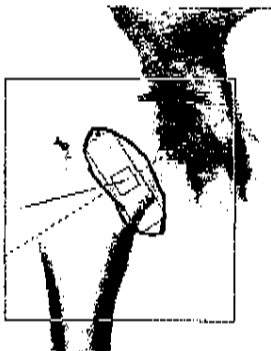
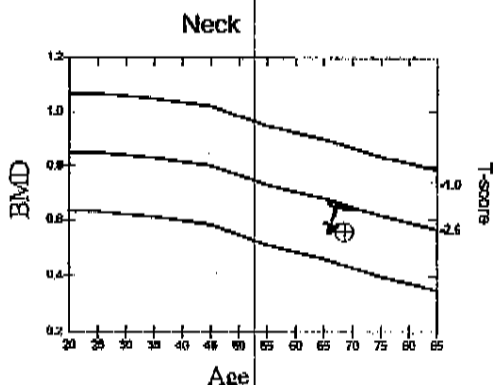


Image not for diagnostic use
 103 x 108
 NECK: 47 x 15



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

HOLOGIC®

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

Sex: Female
Ethnicity: White

Height: 66.0 in
Weight: 162.0 lb
Age: 70

DOB: July 27, 1940

Referring Physician: MARUM

Scan Date: March 14, 2011 - A0314112I

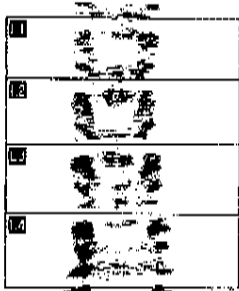
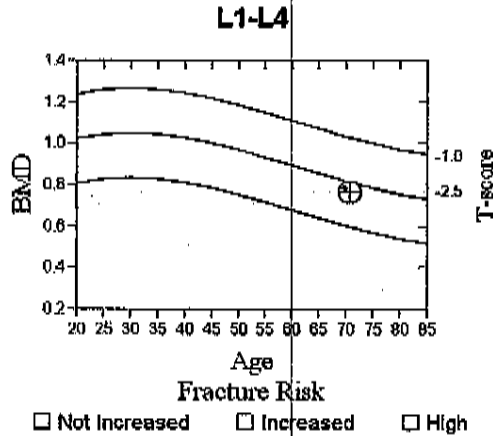


Image not for diagnostic use
116 x 133



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

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

WHO Classification: Osteoporosis
Fracture Risk: High

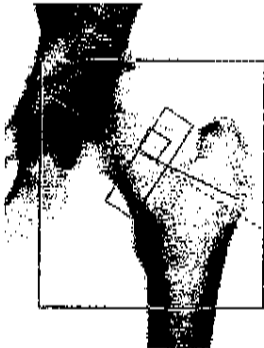
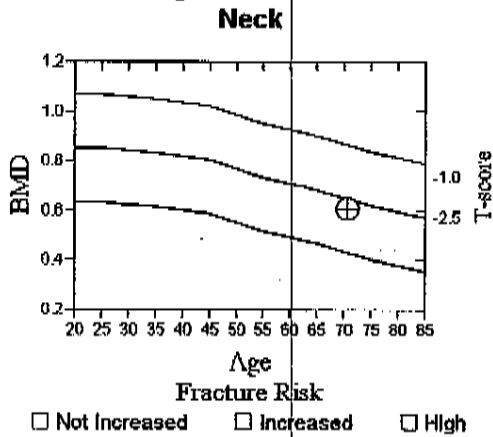


Image not for diagnostic use
99 x 109
NECK: 49 x 15



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

Scan Date: March 14, 2011 - A0314112H

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

WHO Classification: Osteopenia
Fracture Risk: Increased

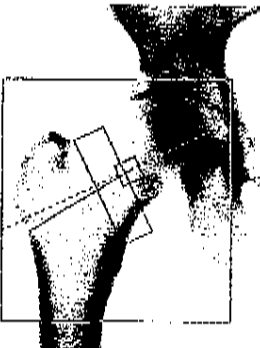
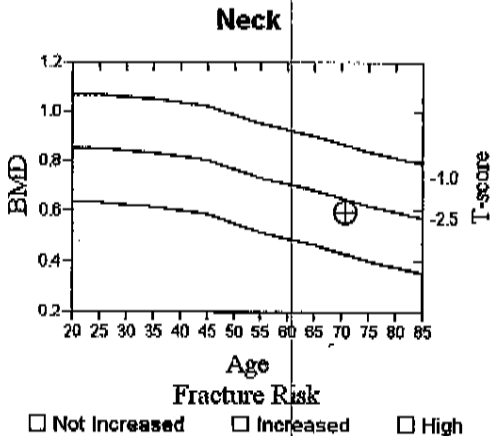


Image not for diagnostic use
103 x 108
NECK: 52 x 15



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

Scan Date: March 14, 2011 - A0314112G

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

WHO Classification: Osteopenia
Fracture Risk: Increased

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
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

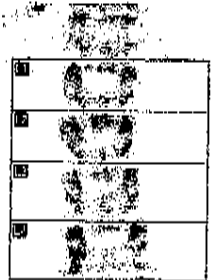
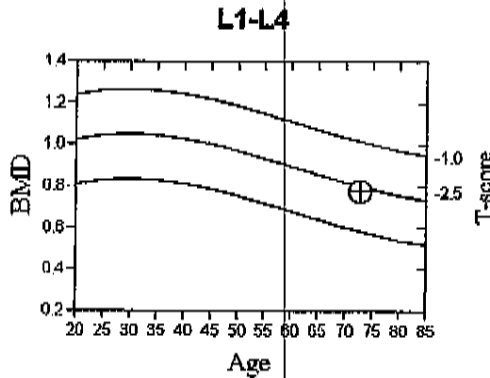


Image not for diagnostic use
116 x 129



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

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

WHO Classification: Osteoporosis
Fracture Risk: High

Scan Date: April 04, 2013 - A04041304

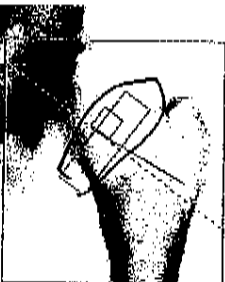
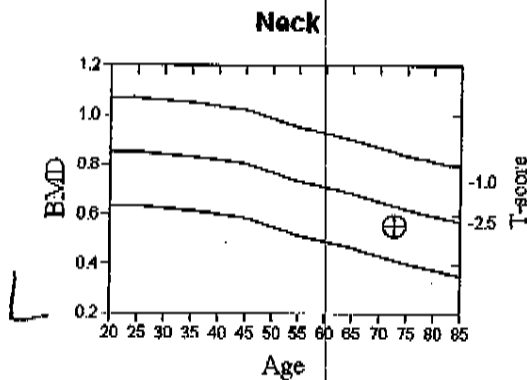


Image not for diagnostic use
99 x 109
NECK: 49 x 15



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

Region	BMD (g/cm ³)	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

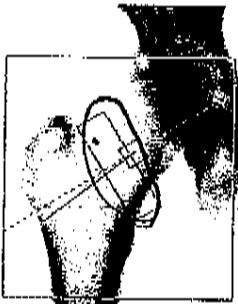
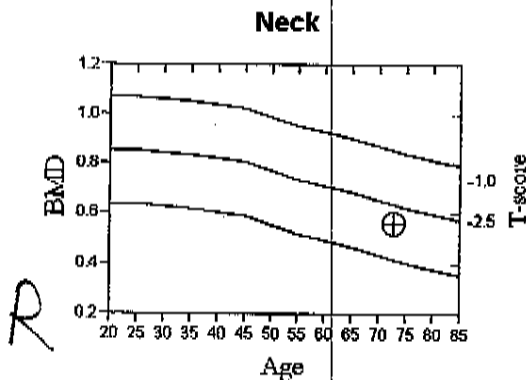


Image not for diagnostic use
103 x 108
NECK: 50 x 15



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

Region	BMD (g/cm ³)	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

Sex: Female
Ethnicity: White

Height: 65.0 in
Weight: 156.0 lb
Age: 72

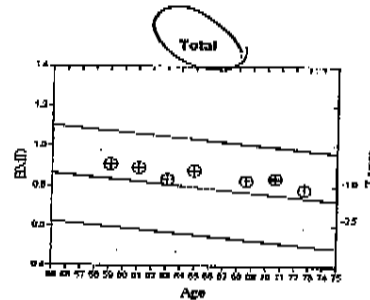
DOB: July 27, 1940

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

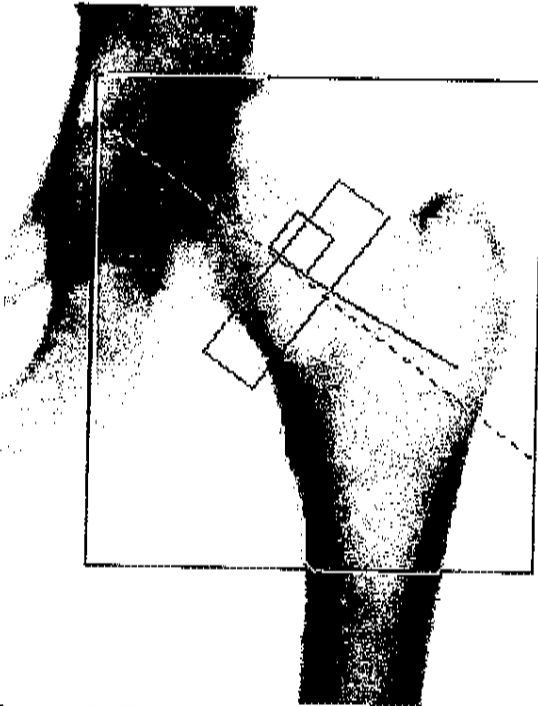


Image not for diagnostic use
99 x 109
NECK: 49 x 15

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 ²)	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/cm²
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
DOB: July 27, 1940

Sex: Female
Ethnicity: White

Height: 65.0 in
Weight: 156.0 lb
Age: 72

Referring Physician: MARUM

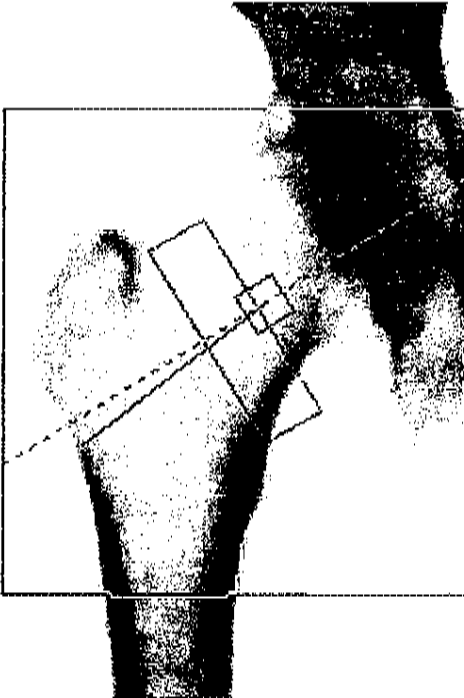
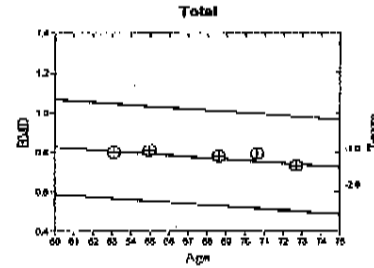


Image not for diagnostic use
103 x 108
NECK: 50 x 15

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 ²)	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/cm²
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

Sex: Female
Ethnicity: White

Height: 65.0 in
Weight: 156.0 lb
Age: 72

DOB: July 27, 1940

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:

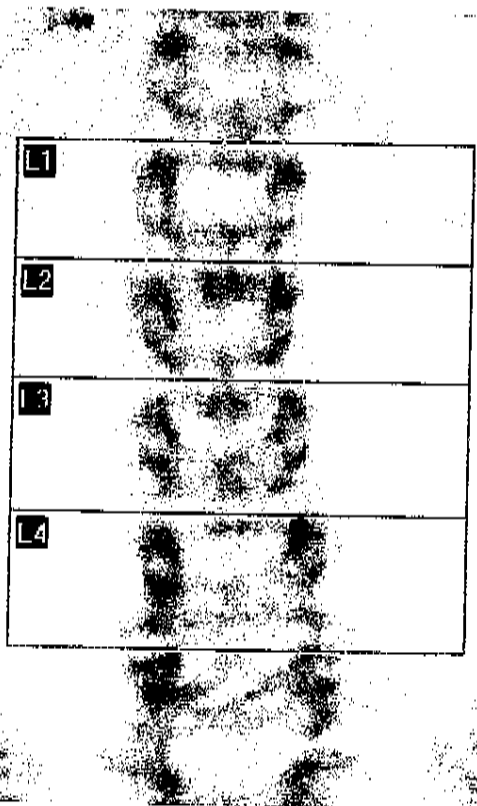
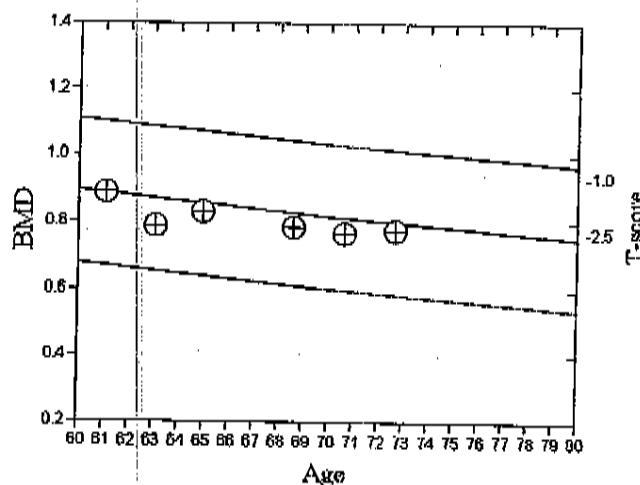


Image not for diagnostic use
116 x 129

L1-L4



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

DXA Results Summary: L1-L4

Scan Date	Age	BMD (g/cm ²)	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/cm²
Denotes dissimilar scan types or analysis methods.

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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
DOB: July 27, 1940

Sex: Female
Ethnicity: White
Menopause Age: 47

Height: 65.0 in
Weight: 156.4 lb
Age: 74

Referring Physician: Kirk

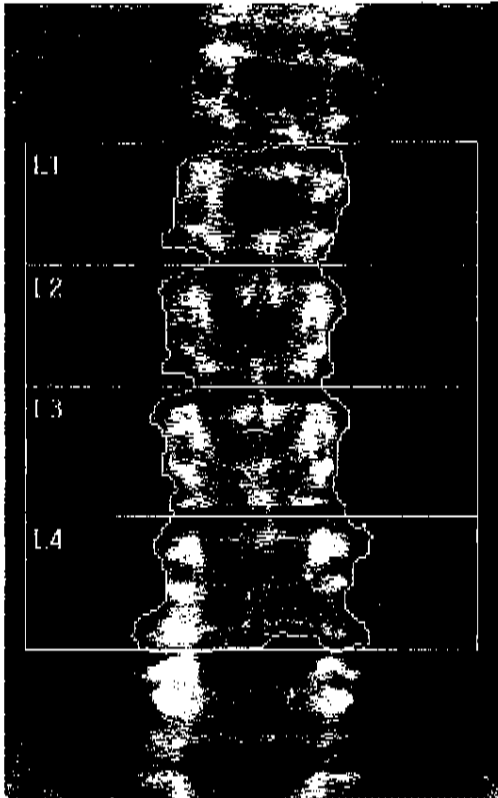


Image not for diagnostic use
k = 1.110, d0 = 48.1
116 x 130

Scan Information:

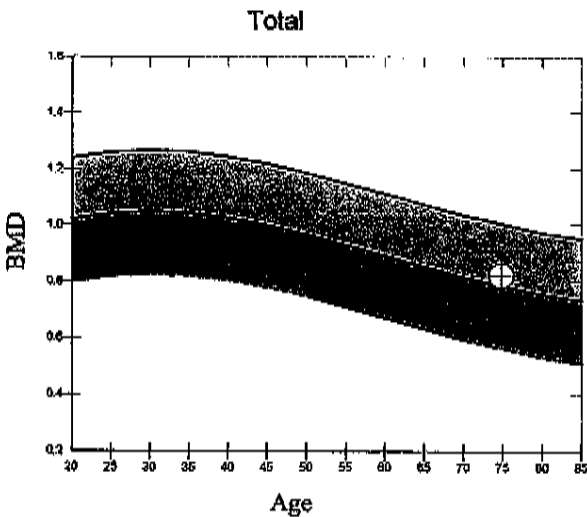
Scan Date: May 20, 2015 ID: A0520150B
Scan Type: a Lumbar Spine
Analysis: May 20, 2015 11:15 Version 12.5:7
Lumbar Spine
Operator: er
Model: Discovery W (S/N 82365)
Comment:

DXA Results Summary:

Region	Area (cm ²)	BMC (g)	BMD (g/cm ³)	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
Total	58.56	48.12	0.822	-2.0	0.3

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

DOB: July 27, 1940

Sex: Female
Ethnicity: White
Menopause Age: 47

Height: 65.0 in
Weight: 156.4 lb
Age: 74

Referring Physician: Kirk

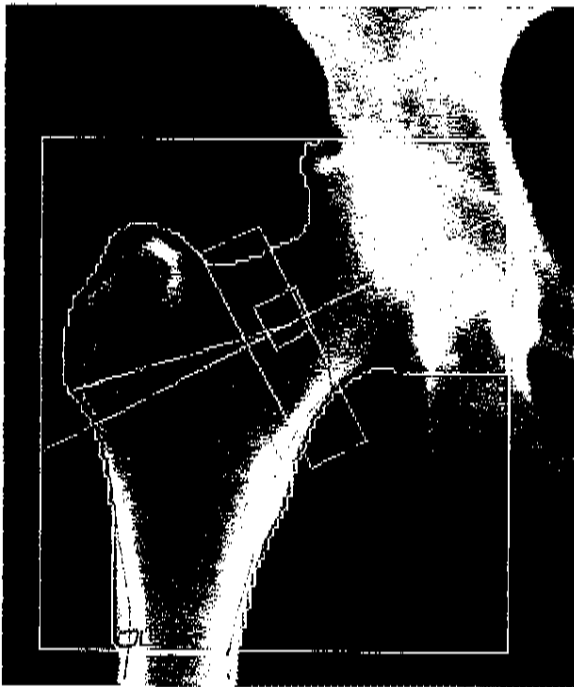


Image not for diagnostic use
k = 1.116, d0 = 53.2
104 x 114
NECK: 54 x 15

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:

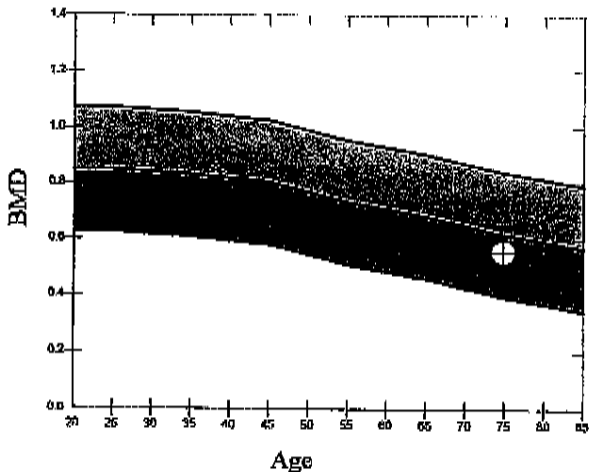
Region	Area (cm ²)	BMC (g)	BMD (g/cm ²)	T _v score	Z-score
Neck	5.69	3.18	0.558	-2.6	-0.6
Total	40.13	34.67	0.864	-0.6	1.1

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 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

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

DOB: July 27, 1940

Sex: Female
Ethnicity: White
Menopause Age: 47

Height: 65.0 in
Weight: 156.4 lb
Age: 74

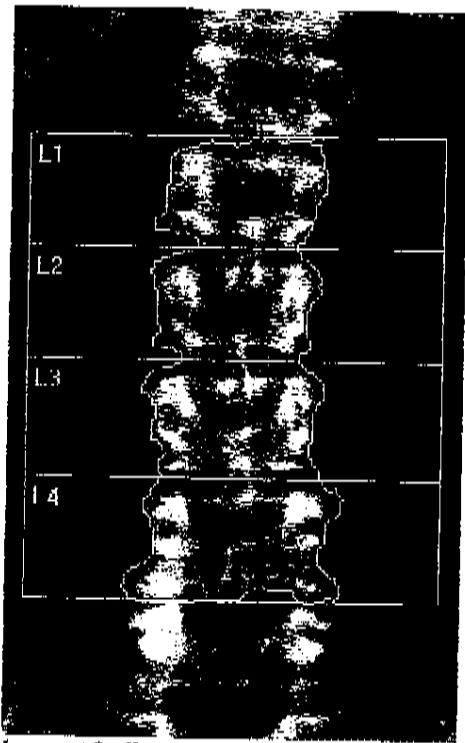


Image not for diagnostic use
k = 1.110, d0 = 48.1
116 x 130

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 ²)	BMC (g)	BMD (g/cm ³)	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®