Primary Physician:
Patient: Ehrhart , Jean ~~DOB: 09/15/1950   Sex: Female   Tel: 801-644-0276~~
Report Name: - RAD DEXA WITH VFA
Accession ████████████
Admit Date:

REPORT

OGDEN REGIONAL MEDICAL CENTER Name: EHRHART,JEAN
MEDICAL IMAGING Phys: Hemmersmeier,John M MD
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████████████Exam Date: 07/30/2021 Status: DEP CLI
FAX #: Radiology No:████
. Unit N████████████

EXAMS START DATE/TIME
RAD DEX/████████████

DEXA BONE MINERAL ANALYSIS - 7/30/2021

CLINICAL HISTORY:
GENDER: F████████████████████████████████ 65.5
Followup. Post menopausal. ~~Advanced age (>70)~~. Family history of
osteoporosis. Caucasian. Calcium. Vitamin D.

DEXA FINDINGS:

Bone mineral density scan was performed using a GE Lunar Prodigy
machine.

AP L SPINE: The bone mineral density as determined from the AP spine
L1-L2 is 0.890 gm/cm2 with a T-score of -2.3 and a Z-score of -0.6.

Bilateral proximal femur(s) were scanned.

LOWEST HIP VALUE: The bone mineral density as determined from the
left femur neck is 0.718 gm/cm2 with a T-score of -2.3 and a Z-score
of -0.6.

FOREARM: Left radius at 33% region is 0.684 gm/cm2 with a T-score of
-2.2 and a Z-score of -0.3.

TRENDING:

Current Lumbar Scan vs. Baseline Scan (11/26/2007) BMD of 0.985 gm/cm2
CHANGE OF: -9.6% This change is statistically significant.

Current Lumbar Scan vs. Most Recent Scan (1/8/2021) BMD of 0.845
gm/cm2
CHANGE OF: 5.3% This change is not statistically significant.

Current Total Mean Femur Scan vs. Baseline Scan (11/26/2007) BMD of
0.900 gm/cm2
CHANGE OF: -6.6% This change is statistically significant.

Current Total Mean Femur Scan vs. Most Recent Scan (1/8/2021) BMD of
0.811 gm/cm2
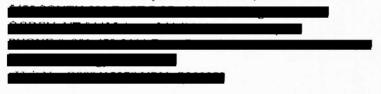CHANGE OF: 3.7% This change is not statistically significant.

Current Forearm Scan vs. Baseline Scan (12/22/2014) BMD of 0.778
gm/cm2
CHANGE OF: -12.1% This change is statistically significant.

Current Forearm Scan vs. Most Recent Scan (1/8/2021) BMD of 0.728
gm/cm2

PAGE 1 Signed Report (CONTINUED)

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<Continued>

CHANGE OF: -6.3% This change is statistically significant.

IMPRESSION:
ACCORDING TO THE WORLD HEALTH ORGANIZATION'S DIAGNOSTIC CATEGORIES,
THIS PATIENT IS CONSIDERED TO HAVE OSTEOPENIA.

)TRABECULAR BONE SCORE
The Trabecular Bone Score (TBS) is a gray-level textural metric that
can be extracted from the two-dimensional lumbar spine dual-energy
x-ray absorptiometry (DXA) image. TBS is related to the bone
microarchitecture and provides skeletal information that is not
captured from the standard bone mineral density (BMD) measurement. An
elevated TBS value correlates with better skeletal microstructure; a
low TBS value correlates with weaker skeletal microstructure.

TBS FINDINGS:

Data extracted from DXA scan of the Lumbar Spine was used.

TBS Result is 1.257. This score represents bone microarchitecture
that is PARTIALLY DEGRADED (<1.350 and >1.200).

TBS T-score is -2.5 and the TBS Z-score is 0.1.

Frax result was not calculated because the patient's risk factors do
not meet FRAX application guidelines.

)LATERAL VERTEBRAL ASSESSMENT:

LVA Morphometry measurement and analysis provides an x-ray image of
the lateral spine for qualitative visual assessment in order to
identify vertebral deformations and estimate vertebral heights.

LVA FINDINGS: