

Primary Physician:

Patient: Ehrhart, Jean

Report Name: - RAD DEXA WITH VFA

Accession

Admit Date:

REPORT

OGDEN REGIONAL MEDICAL CENTER Name: EHRHART,JEAN

MEDICAL IMAGING Phys:

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

Followup. Post menopausal. 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)

OGDEN REGIONAL MEDICAL CENTER Name: EHRHART,JEAN
MEDICAL IMAGING Phys: [REDACTED]

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

[REDACTED]
[REDACTED]

<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: