



To:

Name: Andriette Hall

Referring MRN:

Gender: Female

Exam Date: 03/04/2021

Referring Phys.: Michelle M. Murphy, ARNP

EXAM: BONE DENSITOMETRY SPINE & LEFT HIP

CLINICAL INFORMATION: female who is referred for bone density evaluation for follow-up of osteoporosis.

REPORTED MEDICATIONS: Calcium and vitamin D (amidst others)

TECHNICAL INFORMATION: Bone mineral density of the spine and left hip was assessed by dual-energy x-ray absorptiometry performed on a GE Lunar System. Positioning is good and the regions of interest are appropriately placed.

COMPARISON: No comparison.

FINDINGS:

Artifacts: There are no obvious confounding artifacts, such as osteophytes.

Bone Density:

AP Spine (L1-L4):

BMD (g/cm²): 0.922

T-Score: -2.2

Classification: Low Bone Mass (Osteopenia)

Femoral Neck:

BMD (g/cm²): 0.916

T-Score: -0.9

Classification: Normal Bone Density

Total Hip:

BMD (g/cm²): 8854

T-Score: -1.2

Classification: Low Bone Mass (Osteopenia)

FRAX: The calculated 10-year probability of a major osteoporotic fracture is 7.6% and for a hip fracture is 0.4%. This fracture risk assessment was calculated using the FRAX® Fracture Risk Assessment Tool. FRAX® is calculated in patients with osteopenia to determine those at high risk for which pharmacologic therapy might be considered. Values above 3% for hip and 20% for major osteoporotic fracture are considered high risk.