

Document info

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BD Bone Density DEXA Axial Skeleton

Patient: GUZMAN-
[REDACTED] [REDACTED] [REDACTED]
NOEMI

Report

EXAMINATION: BD Bone Density DEXA Axial Skeleton, 8/14/2018
7:40:00 AM

COMPARISON: MG DEXA Central Bone Dens, 4/19/2016 12:24:00 PM

CLINICAL HISTORY: Postmenopausal patient. Evaluate for osteoporosis/osteopenia.

TECHNIQUE: DXA scan was performed. Bone mineral density is compared to sex-matched young individuals (T-Score), as well as age and sex matched individuals (Z-Score).

According to the criteria of the World Health Organization, normal bone mineral density lies within one standard deviation of the mean of young adult controls (T-Score greater than or equal to -1.0). Low bone mass or osteopenia is defined as a T-Score between -1.0 and -2.5. Osteoporosis is defined as a T-Score of less than -2.5.

This examination was performed on a Hologic Delphi QDR Series

machine. Please note that sequential examinations to assess change are best done on the same machine each time.

FINDINGS:

RIGHT HIP: Measurements at the proximal femur included values for the total hip and the femoral neck alone. The average bone mineral density in the femoral neck is 0.515 g/cm²; the T-Score is -3.0 and the Z-Score is -1.2. The total average bone mineral density in the hip is 0.604 g/cm²; the T-Score is -2.8 and the Z-Score is -1.1. Comparisons are made using the total hip average bone mineral density. Bone density has decreased 3.3% from the comparison examination, not statistically significant.

LEFT HIP: Measurements at the proximal femur included values for the total hip and the femoral neck alone. The average bone mineral density in the femoral neck is 0.5-6 g/cm²; the T-Score is -2.9 and the Z-Score is -1.1. The total average bone mineral density in the hip is 0.669 g/cm²; the T-Score is -2.2 and the Z-Score is -0.6. Comparisons are made using the total hip average bone mineral density. Bone density has decreased 0.6% from the comparison examination, not statistically significant.

LUMBAR SPINE: The average bone mineral density in the AP projection of the lumbar vertebral bodies from L1-L4 is 0.797 g/cm². The T-Score is -2.3. The Z-Score is -0.1. There is been no interval change since 2016.

IMPRESSION:

1. This corresponds to the WHO classification of osteoporosis. Fracture risk is high. Bone density has not changed significantly from the comparison examination.
2. Please reference the attached DXA images and data included with this report.

This report was electronically signed by Daniel N. Johnson, MD on 8/14/2018 9:07 AM.