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DEXA BONE DENSITY - Details

Study Result

CLINICAL HISTORY: Postmenopausal, history of breast cancer on AI therapy, M [REDACTED]

COMMENT: Scans of the lumbar spine and both hips were obtained and comparison was made to a prior study dated 6/20/2017. The bone mineral density was calculated for all the levels scanned. The patient's bone mineral density was referenced to both young normal patients (T-score) as well as age matched patients (Z-score). For the evaluation of osteoporosis, it is recommended that the patient's bone mineral density be compared to young normal patients or the T-score.

Current World Health Organization criteria for the diagnosis of osteoporosis are as follows:

1. Up to 1 standard deviation below normal compared to young normal patients - normal.
2. Between 1 and 2.5 standard deviations below normal compared to young normal patients - low bone mass or osteopenia.
3. Greater than or equal to 2.5 standard deviations below normal compared to young normal patients - osteoporosis.

The DEXA was performed on GE LUNAR PRODIGY ADVANCE equipment.

AP lumbar spine T-score L1-L4 -3.3

Corresponding bone mineral density: 0.785 g/cm².

There has been a 9% worsening since the previous study. This is a significant decrease since the previous study.

AP left hip lowest T-score: Total proximal femur -2.2

Corresponding bone mineral density: 0.732 g/cm².

There has been no significant change of the total hip since the previous study.

AP right hip lowest T-score: Total proximal femur -2.7

Corresponding bone mineral density: 0.674 g/cm².

There has been no significant change of the total hip since the previous study.

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IMPRESSION: Osteoporosis.

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