

FROM:
Women's Life Imaging Center

[REDACTED]

PROCEDURE FOR:
Emily Pavlidis

[REDACTED]

TO:

[REDACTED]

BONE DENSITY EVALUATION: 04/06/2021

CURRENT MEDICATIONS: Vitamin D and Calcium. Algae Cal.

HISTORY: Breast cancer.

FINDINGS:

On 04/06/2021 we performed bone density scans on your patient, Emily Pavlidis. Any prior scans performed at this site are also listed chronologically for comparison by scan region. Current studies were performed using a HOLOGIC unit.

BONE DENSITY MEASUREMENTS

SCAN DATE	BMD gm/cm2	T-SCORE	Z-SCORE	BODY PART
04/06/2021	0.666	-1.600	-0.200	Left femoral neck
01/08/2020	0.672	-1.600	-0.200	Left femoral neck
12/07/2018	0.673	-1.600	-0.200	Left femoral neck
07/15/2014	0.686	-1.500	-0.300	Left femoral neck
07/11/2012	0.708	-1.300	-0.200	Left femoral neck
02/20/2004	0.811	-0.300	0.200	Left femoral neck

17.1 years -17.9% change in BMD for Left femoral neck

04/06/2021	0.941	0.000	1.200	Left total hip
01/08/2020	0.882	-0.500	0.600	Left total hip
12/07/2018	0.850	-0.800	0.300	Left total hip
07/15/2014	0.884	-0.500	0.300	Left total hip
07/11/2012	0.907	-0.300	0.400	Left total hip
02/20/2004	0.994	0.400	0.800	Left total hip

17.1 years -5.3% change in BMD for Left total hip

04/06/2021	0.805	-2.200	-0.500	AP total spine
01/08/2020	0.776	-2.500	-0.800	AP total spine
12/07/2018	0.712	-3.000	-1.500	AP total spine
07/15/2014	0.765	-2.600	-1.300	AP total spine
07/11/2012	0.784	-2.400	-1.300	AP total spine
02/20/2004	0.898	-1.400	-0.800	AP total spine

17.1 years -10.4% change in BMD for AP total spine

FRAX 10 (ten) year probability of major osteoporotic fracture is 13% and hip fracture is 1.6%.

*World Health Organization criteria for BMD interpretation classify patients as:

Normal - T-score ≥ -1.0 or greater,

Low Bone Mass (Osteopenia) - T-score between -1.0 and -2.5 , or

Osteoporosis \square T-score at or below -2.5 , or

Severe Osteoporosis - T-score at or below -2.5 and fragility fracture.

*BMD reporting in females prior to menopause and in males younger than age 50, Z-scores, not T-scores, are preferred. This is particularly important in children.


A Z-score of ≤ -2.0 or lower is defined as "below the expected range for age."

A Z-score above -2.0 is "within the expected range for age."

*Please note that if FRAX was not reported it is due to the patient already being treated for osteoporosis or their T-Scores for Total Spine, Total Hip and Femoral Neck are at or above -1.0 or below -2.5 .

IMPRESSION: LOW BONE MASS

Patient is at medium risk for fracture. A follow-up bone density study in 2 years is recommended.


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