

Test: DEXA Bone Density Axial Skeleton
Resulted Date: 1/30/2017 **Status:** Final Result

Addendum:

Narrative:

PATIENT: ANNETTE MITCHELL [REDACTED]
AGE: 78 years **DOB:** 8/21/1938 **GENDER:** Female

PROCEDURE: DEXA BONE DENSITY AXIAL SKELETON HIPS PELV SPINE,
1/30/2017 7: 56 AM

ACCESSION NUMBER(S): [REDACTED]

LOCATION: [REDACTED]

COMPARISON: 6/14/2016, performed on Lunar Prodigy system.

CLINICAL INDICATION: Postmenopausal. History of left hip fracture, history of multiple bone fractures.

TECHNIQUE: Using dual energy x-ray bone densitometry, LUNAR PRODIGY system, the bone mineral density (BMD) in the spine, right hip, and left forearm was measured and computer analysis was performed comparing the patient's measurements with age-matched controls and normal young adults.

FINDINGS: Scattered degenerative changes present in the lumbar spine.

PREVIOUS STUDY 2016

Region: BMD, Young Adult %: T-SCORE, Age-matched %: Z score

L-spine, L1-L4 level: 0.983; 83%; -1.7; 99%; 0.0

Right total hip: 0.662; 66%; -2.7; 85%; -1.0

Left radius 33%: 0.768; 88%; -1.2; 118%; 1.3

CURRENT STUDY 2017

Region: BMD, Young Adult %: T-SCORE, Age-matched %: Z score

L-spine, L1-L4 level: 0.984; 80%; -1.7; 99%; -0.1

Right total hip: 0.692; 69%; -2.5; 88%; -0.7

Left radius 33%: 0.810; 92%; -0.8; 124%; 1.8

World Health Organization classification: Osteoporosis = T-score at or ≤ -2.5 ; Osteopenia = $-1 > \text{T-score} > -2.5$; Normal = T-score at or > -1 .

Impression:

IMPRESSION: According to WHO classification, these findings are most consistent with osteoporosis of the right hip.

COMPARISON: In comparison to the prior study, there has been 4.5% increase in bone mineral density in the right hip, a 5.5% increase in the left forearm, and no significant change in the lumbar spine.

10 YEAR FRACTURE RISK PROBABILITY ASSESSMENT is not reported because patient has been diagnosed with osteoporosis. The patient is at greater risk of atraumatic fractures.

BODY MASS INDEX: 29.3 kg/sq m which meets WHO classification for overweight. Estimated total body fat 47.2%.

Dictated by Nina DeWeese, PA, Sutter Medical Group

1/30/2017 9: 10 AM

Electronically Signed by Jason Cohen, MD, Sutter Medical Group

1/30/2017 5: 22 PM