

Patient: MCGILLIVRAY, CORLA

\*\*\*\*\* Medical Imaging \*\*\*\*\*

Exam Exam Date/Time Ordering Physician  
NM Bone Densitometry - 2 Areas 13-Dec-2018 08:30 CST

Reason For Exam  
(NM Bone Densitometry - 2 Areas) risk factors

Report  
BONE DENSITOMETRY:

	gm/cm2	T-Score
Spine (L1-L4)	0.791	-2.3
Femoral Neck	0.590	-2.3
Total Hip	0.775	-1.4

COMMENTS:

The technical quality of the study is satisfactory.

The study was done on Hologic Discovery A (S/N 85612).

The data is available on PACS.

DIAGNOSTIC CATEGORY:

The BMD fulfills the WHO classification for LOW BONE DENSITY.

ABSOLUTE FRACTURE RISK CATEGORY:

Based on age and BMD, this patient's 10 year fracture risk is MODERATE (10-20%).

FOLLOW-UP COMPARISON:

Since the technically similar previous study of October 4, 2017, there has been a statistically significant increase of 0.116 gm/cm2(17.2 %) at the lumbar spine and statistically no significant change at the total hip. This significance is based on LSC of 0.022 gm/cm2 at the spine and 0.026 gm/cm2 at the total hip.

FOLLOW-UP RECOMMENDATIONS:

Repeat BMD in 1-3 years depending on clinical risk factors.

RECOMMENDED DIAGNOSTIC CATEGORIES BASED ON WHO AND ISCD CRITERIA:

Post-menopausal females, males over the age of 50.

NORMAL: T-score -1.0 and above.

LOW BONE DENSITY (OSTEOPENIA): T-score between -1.0 and -2.5.

OSTEOPOROSIS: T-score -2.5 and below.

Pre-menopausal females, males younger than the age of 50. Z-scores are preferred. A Z-score of -2.0 or lower is defined as \"below the expected range for age\" and a Z-score above -2.0 is \"within the expected range for age.\"

ABSOLUTE FRACTURE RISK CATEGORY: low (<10%), moderate (10-20%), high (>20%). Fracture risk predicted for an individual by this system applies to post-menopausal females and males over the age of 50 and for a finite period of time. That risk will change with advancing age and with the development of new clinical risk factors.

Please note that ABSOLUTE FRACTURE RISK criteria have recently been revised based on the 2010 clinical practice guidelines for the diagnosis and management of osteoporosis in Canada. (CMAJ. 2010 Nov 23;182(17):1864-1873).

\*\*\*\*\* FINAL REPORT \*\*\*\*\*

Dictated by:   
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