

Patient Name:	HARPER, IMOGEN LAURA	Accession Number:	PR-7093399-OT
Patient ID:	PR-DDD820X	Requested Date:	January 14, 2020 14:06
Gender:	Female	Report Status:	Final
Date of Birth:	September 11, 1986	Requested Procedure:	7817372
Home Phone:		Procedure Description:	MOOR-BONE MINERAL DENSITY SCAN
Referring Physician:	CHAPPEL, CHRISTOPHER	Modality:	OT
Organization:	MOOR		

Findings

Reporting MD: CHAI, ALAN
Dictation Time:
Transcription Date:

BONE MINERAL DENSITOMETRY

HISTORY:

? osteoporosis.

TECHNIQUE:

Dual energy x-ray densitometry using Lunar Prodigy, narrow angle fan beam, with Encore software. The reference population used was Australian Geelong/Lunar normal standard.

Previous studies: None.

FINDINGS:

Site		BMD (g/cm2)	T score
Lumbar Spine	L1-L4	1.132	-0.6
Left Hip	Neck	0.927	-0.7
	Total Hip	0.901	-1.1
Right Hip	Neck	0.864	-1.2
	Total Hip	0.877	-1.3
Mean Total Hip		0.889	-1.2

Fracture risk may be calculated using on-line calculators such as : <https://www.garvan.org.au/promotions/bone-fracture-risk/calculator/>

COMMENT:

Bone mineral density values are in the osteopenic range.

WHO definitions:

normal (T-score -1.0 and above)

osteopenia (T-score between -1.0 and -2.5)

osteoporosis (T-score -2.5 and below)

Comments:

Relative fracture risk doubles for every 1.0 SD reduction.

Spinal values are commonly elevated by spinal degenerative change.

In the hip, the femoral neck is most sensitive for detecting osteoporosis, but is also very sensitive to variation in technical factors such as slight differences in hip positioning, which may lead to variability between different exams. Total hip value is more robust and less sensitive to technical variation, allowing accurate evaluation of change over time.

Radiologist: Dr A. Chai

Relevant Clinical Information
MOOR-BONE MINERAL DENSITY SCAN