GE Lunar Prodigy Advance

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Bone Densitometry Report: Monday, January ▓ 2019 *(requested on 1/3/19)*

Referring Physician: NORA TEE MD

🔖 PATIENT:

Name:	GAN, HONG				
Patient ID:	000565300	**Birth Date:**	12/06/1968	**Height:**	62.0 in.
Sex:	Female	**Measured:**	01/11/2019	**Weight:**	138.0 lbs.
Indications:		**Fractures:**		**Treatments:**	

▦ ASSESSMENT:

The BMD measured at Femur Neck Right is 0.871 g/cm² with a T-score of -1.2 is considered moderately low. Fracture risk is moderate. Treatment is advised if there are other risk factors.

With a Z-score of -0.4, this patient's BMD is within normal limits for their age and sex, even though bone loss may have occurred.

World Health Organization (WHO) criteria for post-menopausal, Caucasian Women:
Normal T-score at or above -1 SD
Low Bone Mass T-score between -1 and -2.5 SD
Osteoporosis T-score at or below -2.5 SD

▼ RECOMMENDATION:

Mild to aggressive therapies are available in the form of Hormone replacement therapy (HRT), bisphosphonates, Calcitonin, and SERMs. Additionally, all patients should ensure an adequate intake of dietary calcium (1200 mg/d) and vitamin D (400-800 IU daily).

◎ FOLLOW-UP:

People with diagnosed cases of osteoporosis or osteopenia should be regularly tested for bone mineral density. For patients eligible for Medicare, routine testing is allowed once every 2 years. The testing frequency can be increased to one year for patients who have rapidly progressing disease, or for those who are receiving medical therapy to restore bone mass.

Based on these results, a follow-up exam is recommended in January 2021

(not specified)

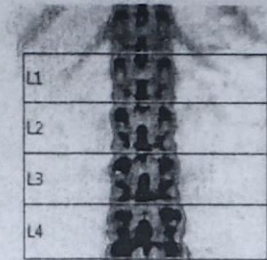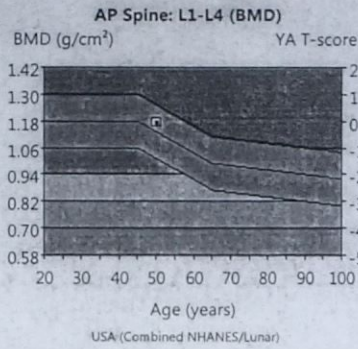| Patient:	GAN, HONG			Referring Physician:	NORA TEE MD
Birth Date:	12/06/1968	Age:	50.0 years	Patient ID:	000565300
Height:	62.0 in.	Weight:	138.0 lbs.	Measured:	01/11/2019 4:35:23 PM (17 [SP 4])
Sex:	Female	Ethnicity:	Asian	Analyzed:	01/11/2019 4:37:36 PM (17 [SP 4])

AP Spine: L1-L4 (BMD)

Image not for diagnosis

USA (Combined NHANES/Lunar)

Region	BMD (g/cm²)	YA T-score	AM Z-score
L1	1.073	-0.5	-0.1
L2	1.148	-0.4	0.0
L3	1.195	0.0	0.4
L4	1.267	0.6	1.0
L1-L4	1.181	0.0	0.4

Left Femur: Total (BMD)

Image not for diagnosis

USA (Combined NHANES/Lunar)
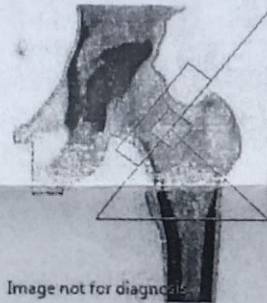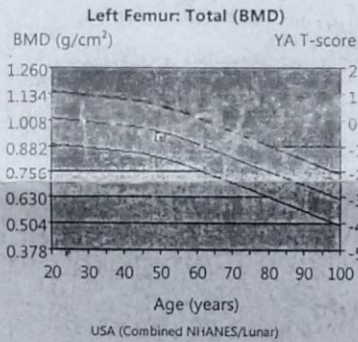
Region	BMD (g/cm²)	YA T-score	AM Z-score
Neck Left	0.915	-0.9	-0.1
Total Left	0.923	-0.7	-0.2

Right Femur: Total (BMD)

Image not for diagnosis
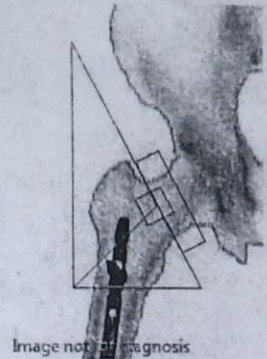
USA (Combined NHANES/Lunar)
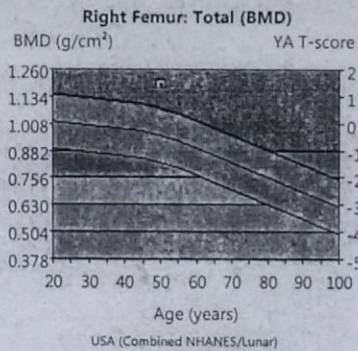
Region	BMD (g/cm²)	YA T-score	AM Z-score
Neck Right	0.871	-1.2	-0.4
Total Right	1.193	1.5	1.9

Statistically 68% of repeat scans fall within 1SD (± 0.010 g/cm² for AP Spine L1-L4); (± 0.012 g/cm² for Left Femur Total); T-score: USA (Combined NHANES (ages 20-30) / Lunar (ages 20-40)) AP Spine, Female, White Reference Population (v113); T-score: USA (Combined NHANES (ages 20-30) / Lunar (ages 20-40)) Femur, Female, White Reference Population (v113); Z-score: AP Spine Matched for Age, Sex, Ethnic; Z-score: Left Femur Matched for Age, Sex, Ethnic; World Health Organization - Definition of Osteoporosis and Low Bone Mass for Caucasian Women: Normal = T-score at or above -1.0 SD; Low Bone Mass = T-score between -1.0 and -2.5 SD; Osteoporosis = T-score at or below -2.5 SD; (WHO definitions only apply when a young healthy Caucasian Women reference database is used to determine T-scores.)

Date created: 01/14/2019 11:34:20 AM 17 [SP 4]; Filename: 4607lp2sw8.dfx; AP Spine; 76,3.00:50.03:12.0 0.00:9.72 0.60x1.05 19.2:%Fat=21.2%; 0.00:0.00 0.00:0.00; Scan Mode: Standard;   37.0 µGy; Left Femur; 76,3.00:50.03:12.0 0.00:11.04 0.60x1.05 17.9:%Fat=21.5%; 0.00:0.00 0.00:0.00; Neck Angle (deg)= 52; Scan Mode: Standard;   37.0 µGy; Right Femur; 76,3.00:50.03:12.0 0.00:12.72 0.60x1.05 16.5:%Fat=25.8%; 0.00:0.00 0.00:0.00; Neck Angle (deg)= 63; Scan Mode: Standard;   37.0 µGy