

PrintDate : 2022-08-06 09:31

Patient Information

PatientID.....158
Name...JESUS BERNARDO GARCIA SOT
BirthDate.....1956-08-20 (65.9)
Height.....1.7 cm

Doctor...ARQUIMEDES DORSCH
Ethnicity.....HISPANIC
Gender.....Male
Weight.....55.0 kg
Fragility Fractures.....No

AP Spine

2022-08-06

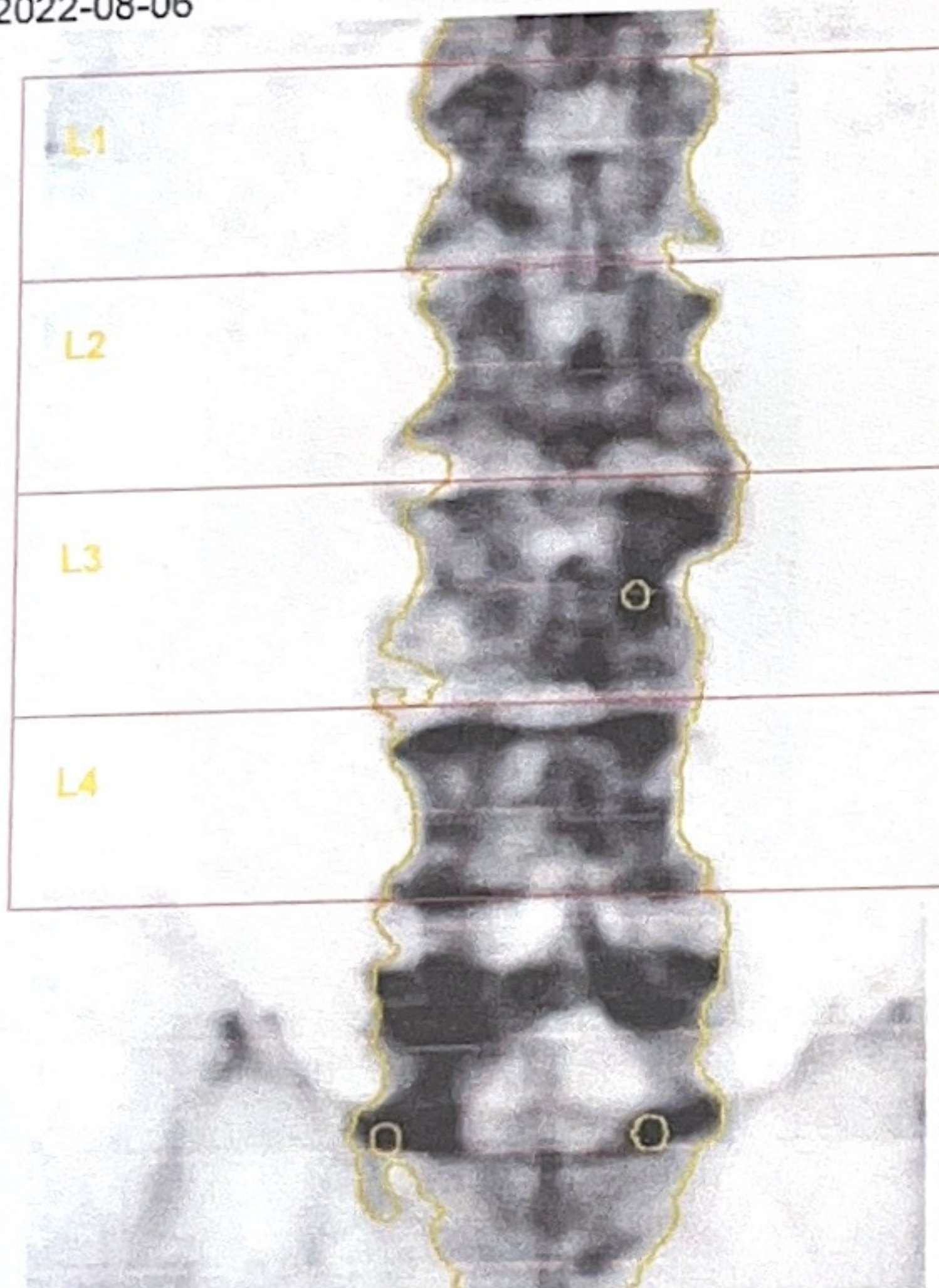
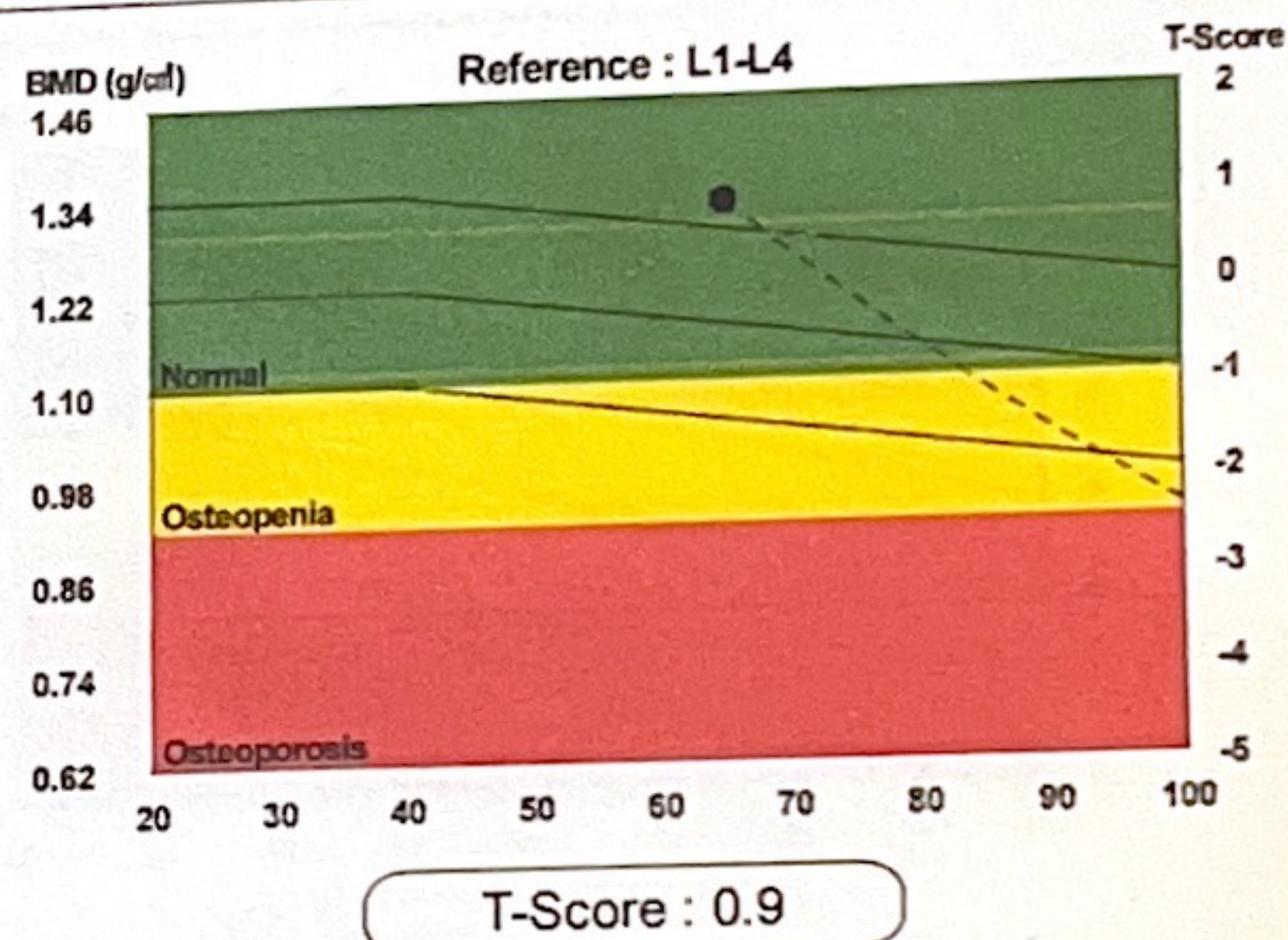


Image not for diagnosis



Region	BMD (g/cm³)	T-Score	Z-Score	BMC (g)	Area (cm²)
L1	1.224	0.5 (106%)	1.0 (110%)	19.57	15.99
L2	1.311	0.6 (106%)	1.0 (110%)	22.26	16.98
L3	1.327	0.7 (107%)	1.1 (111%)	24.96	18.81
L4	1.444	1.7 (116%)	2.1 (121%)	22.36	15.49
L1-L2	1.269	0.6 (106%)	1.0 (110%)	41.84	32.97
L1-L3	1.290	0.7 (107%)	1.1 (111%)	66.79	51.78
L1-L4	1.325	0.9 (109%)	1.3 (113%)	89.16	67.27
L2-L3	1.319	0.7 (106%)	1.1 (111%)	47.22	35.80
L2-L4	1.357	1.0 (109%)	1.4 (114%)	69.59	51.29
L3-L4	1.380	1.2 (111%)	1.6 (116%)	47.32	34.30

Comment

AP Spine: NORMAL

HISPANIC, Reference Population.

According to the publication of the World Health Organization(WHO)

- Normal : A BMD result not more than 1SD below the young adult mean($T \geq -1.0$) is considered normal.

- Osteopenia : A BMD result between 1SD and 2.5SD below the young adult mean($-1.0 < T < -2.5$) indicates osteopenia.

- Osteoporosis : A BMD result more than 2.5SD below the young adult mean($T \leq -2.5$) is classified as osteoporosis.

Normal : $T \geq -1.0$

Osteopenia : $-1.0 > T > -2.5$

Osteoporosis : $T \leq -2.5$

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Right Femur

2022-08-06

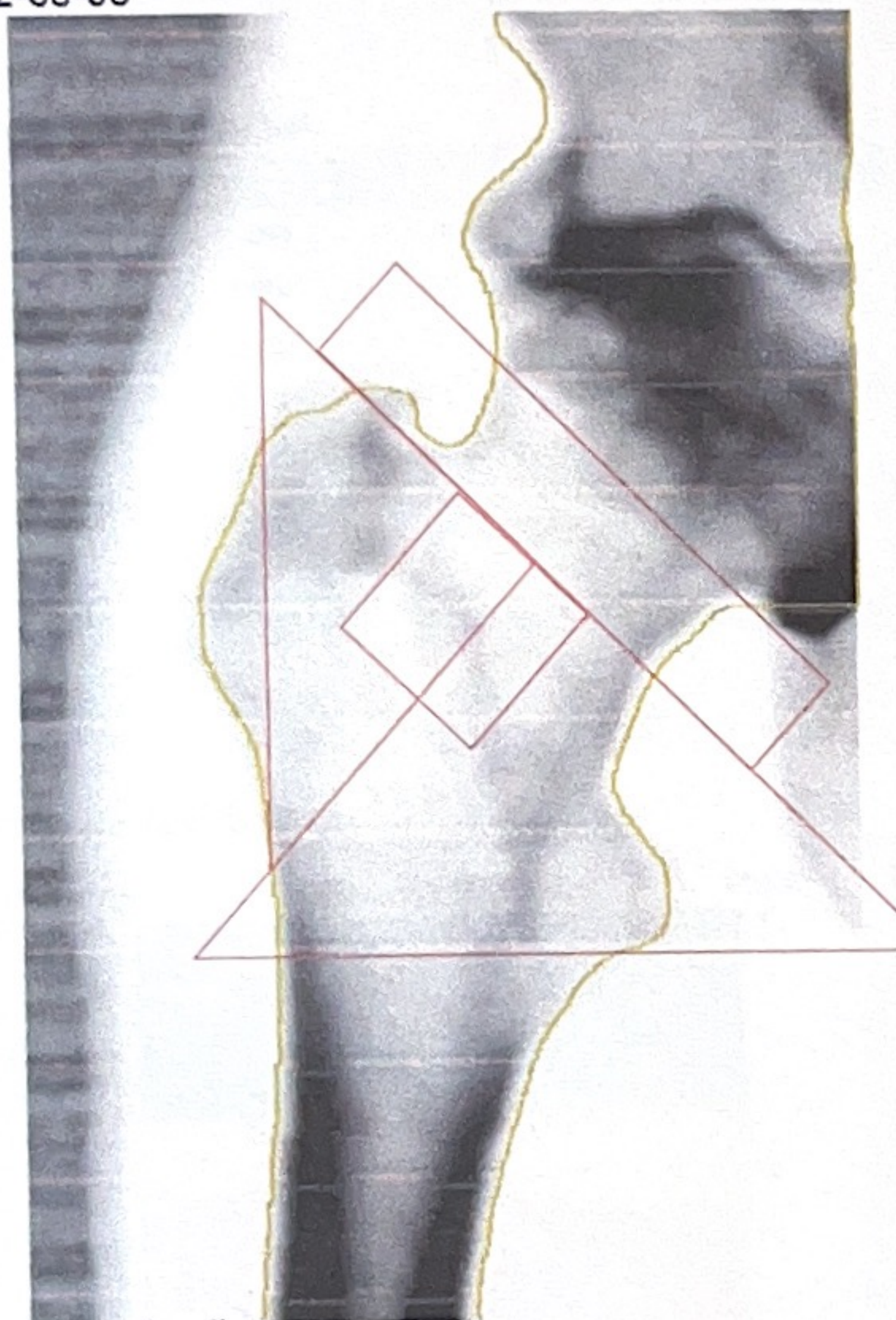
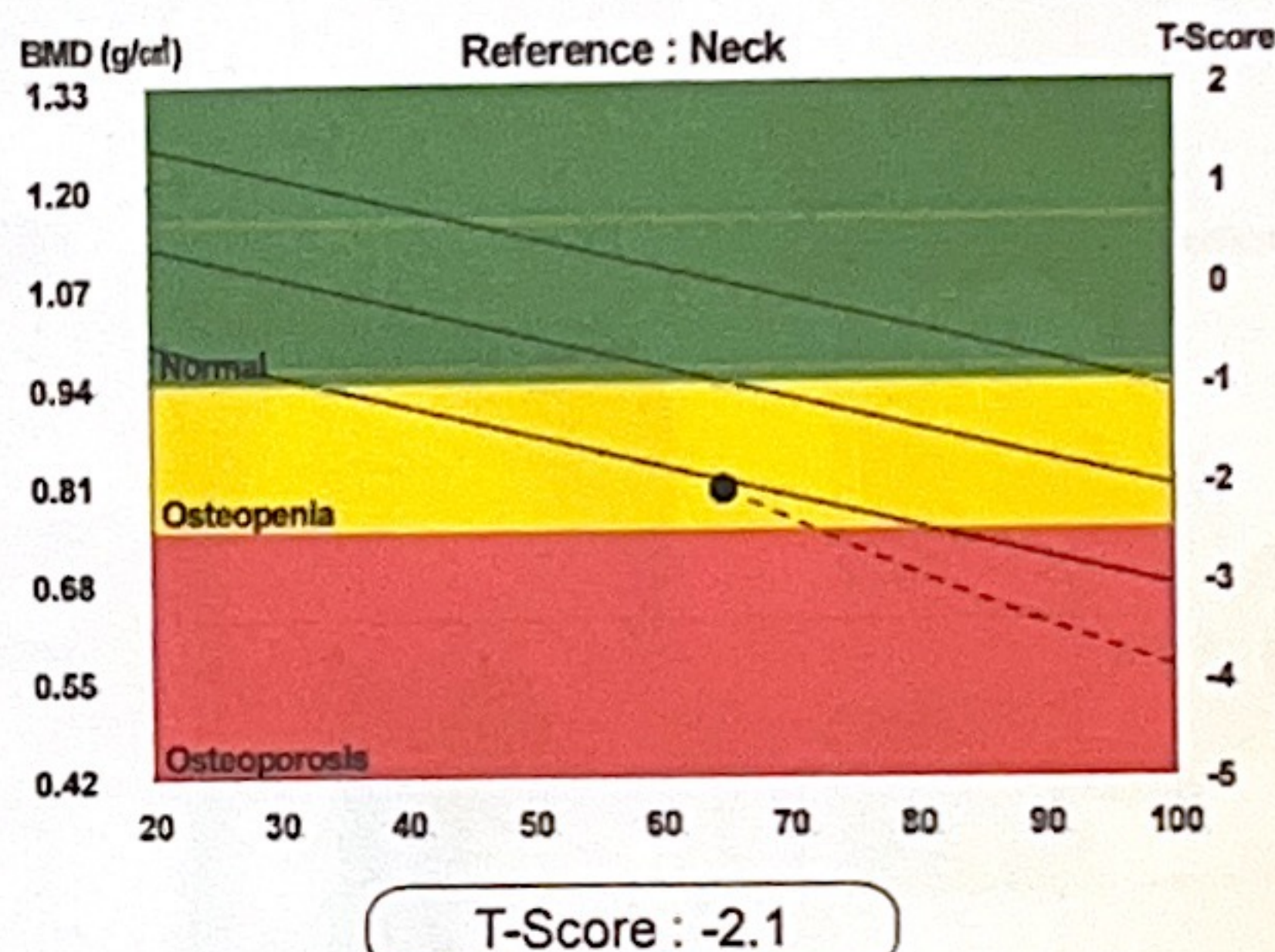


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Region	BMD (g/cm ³)	T-Score	Z-Score	BMC (g)	Area (cm ²)
Neck	0.800	-2.1 (75%)	-1.1 (85%)	5.36	6.70
Wards	0.615	-2.7 (64%)	-1.0 (82%)	3.27	5.31
Troch	0.754	-1.6 (81%)	-1.1 (86%)	9.05	12.01
Shaft	0.844	-	-	14.20	16.82
Total	0.805	-2.2 (74%)	-1.5 (81%)	28.60	35.53

Comment

Right Femur: OSTEOPENIA

HISPANIC, Reference Population.

According to the publication of the World Health Organization(WHO)

- Normal : A BMD result not more than 1SD below the young adult mean($T \geq -1.0$) is considered normal.

- Osteopenia : A BMD result that lies between 1.0 and 2.5 SD below the young adult mean($-1.0 < T < -2.5$) indicates osteopenia.

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Normal : $T \geq -1.0$

Osteopenia : $-1.0 < T < -2.5$

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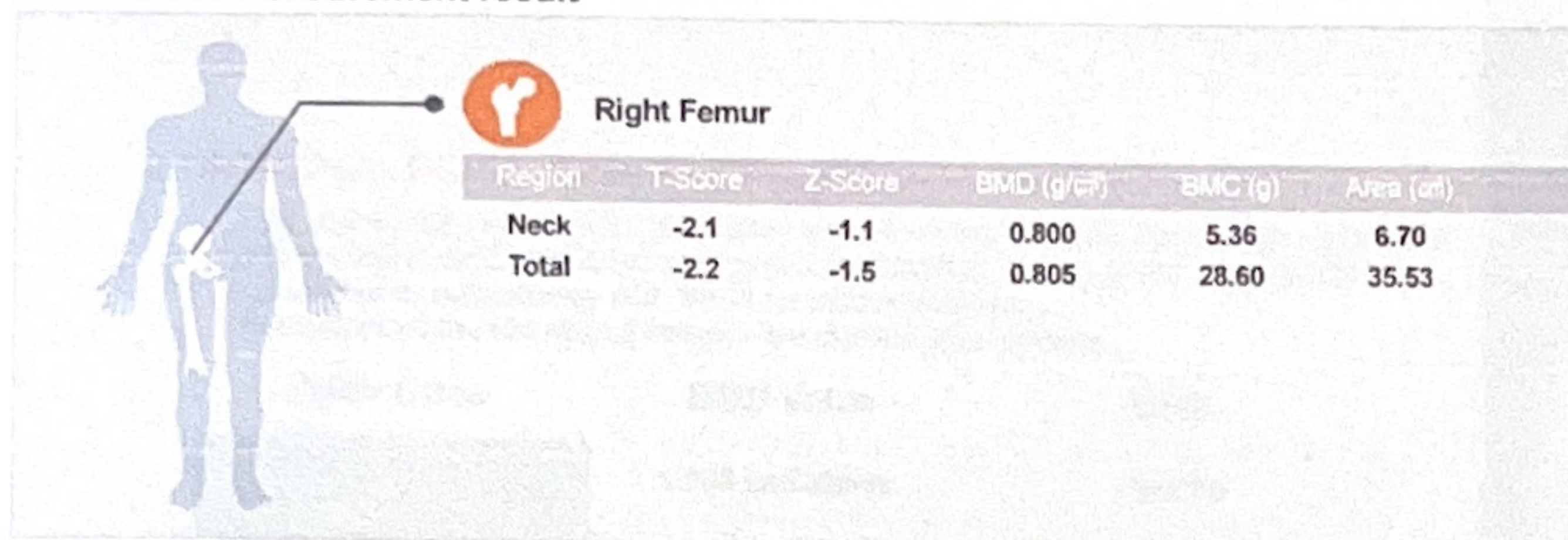
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PatientID: 158 BirthDate: 1956-08-20 (65.9) Height: 1.7 cm Ethnicity: HISPANIC
Patient Name: JESUS BERNARDO GARCIA SOT Gender: Male Weight: 55.0 kg Date Measured: 2022-08-06

Overview of measurement result



Consideration Factors

- ☐ I have a previous fracture history
- ☐ Parents have a hip fracture history
- ☐ Currently I am smoking
- ☐ Currently in use of steroid medication
- ☐ Currently suffering from rheumatoid arthritis
- ☐ Currently having secondary osteoporosis
- ☐ Drink at least three glasses of alcohol a day
- ☒ There is previously measured BMD value of femur

Analysis of Femur

Region	BMD (g/cm³)	T-Score	Z-Score	BMC (g)	Area (cm²)
Neck	0.800	-2.1(75%)	-1.1(85%)	5.36	6.70
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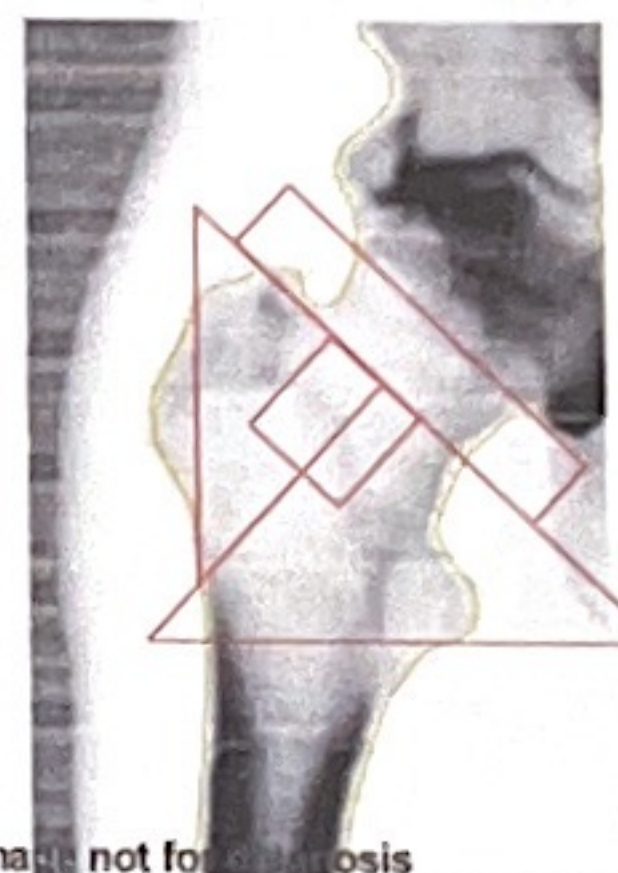
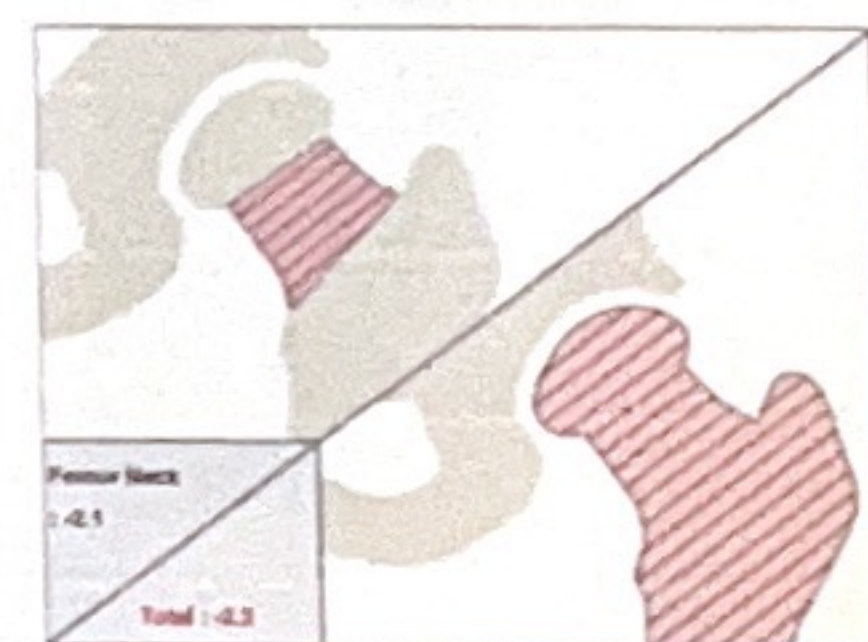
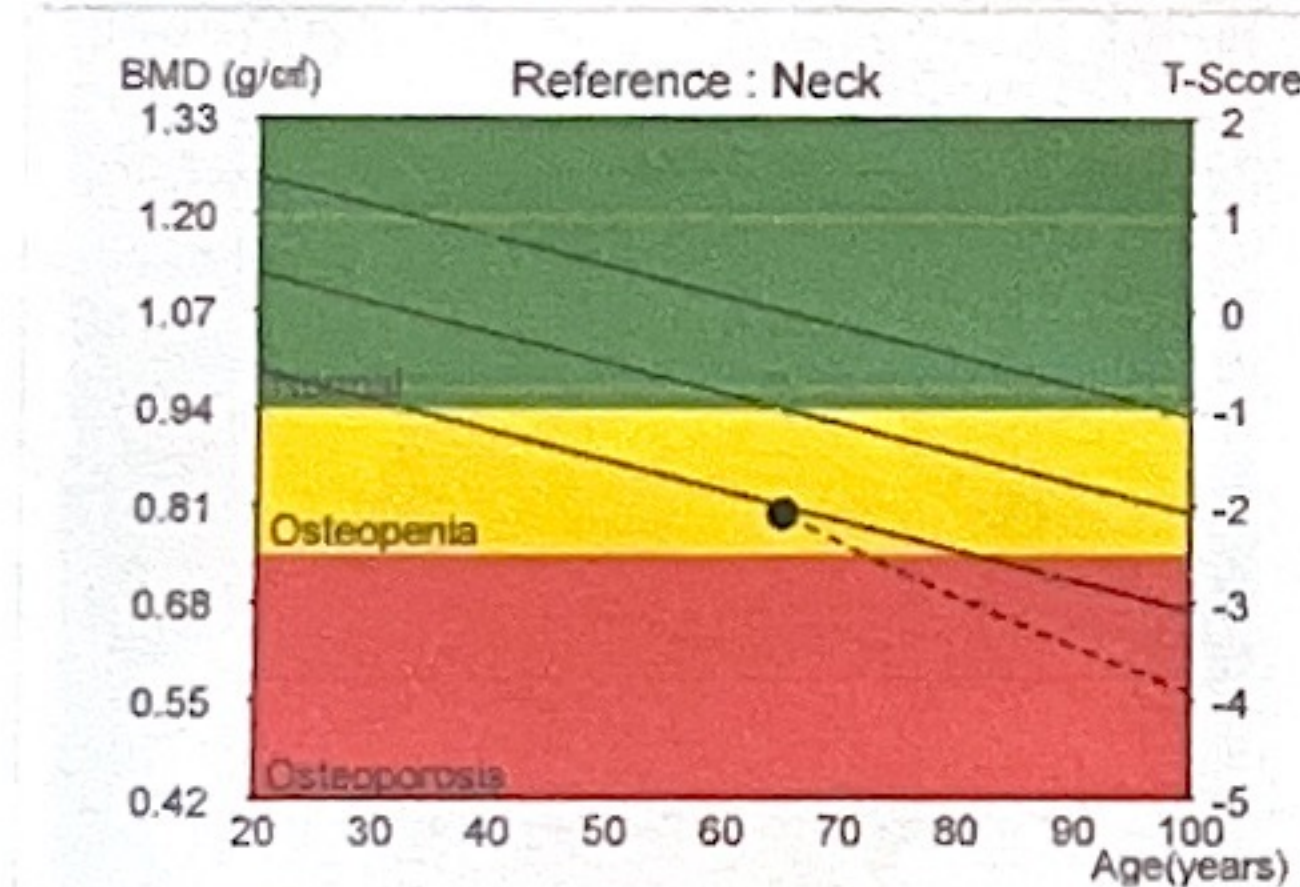


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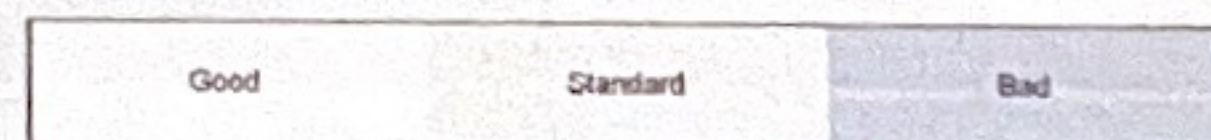
Value comparison between Femur neck and whole Femur



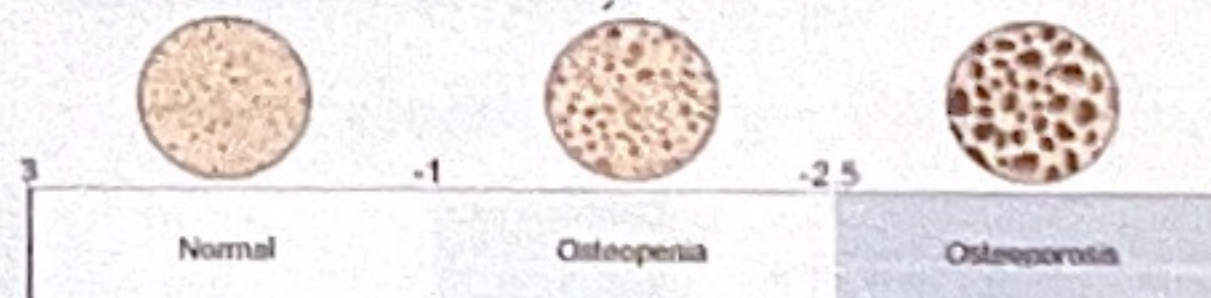
T-Score & Z-Score



Relative comparison with same age group



Display current bone status of examinee



Prediction of future fracture

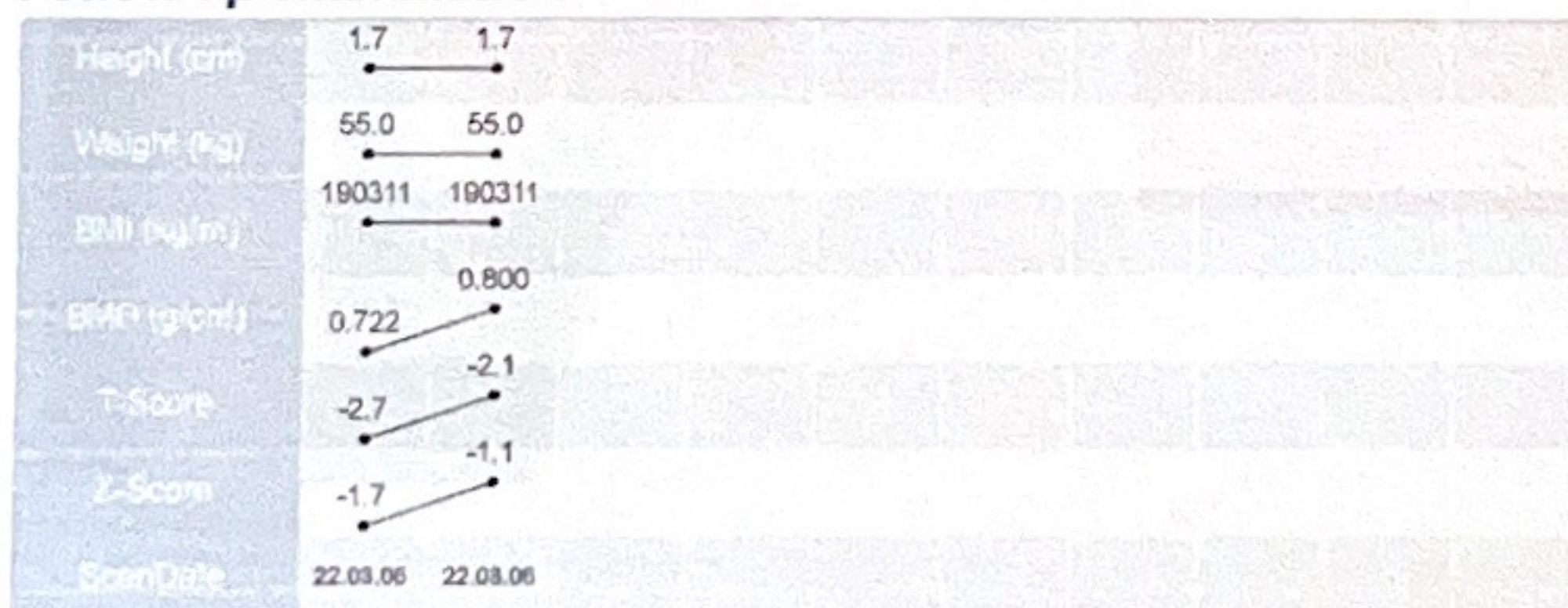
This is a prediction of the probability of fracture within 10 years of the risk factor check list.

When BMD value of Femur is input
Major osteoporotic fracture probability: 0.0%
Probability of Hip Fracture: 0.0%

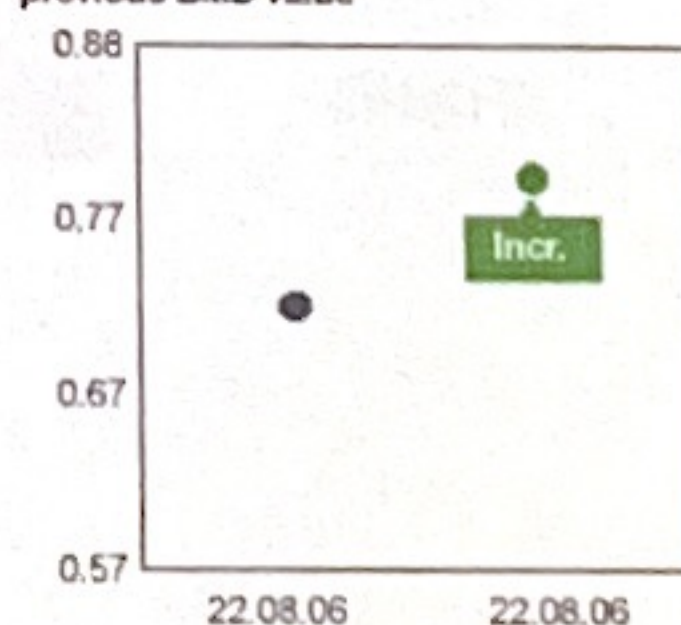
When BMD value of Femur is not input
Major osteoporotic fracture probability: -
Probability of Hip Fracture: -

*BMI: 190311.4

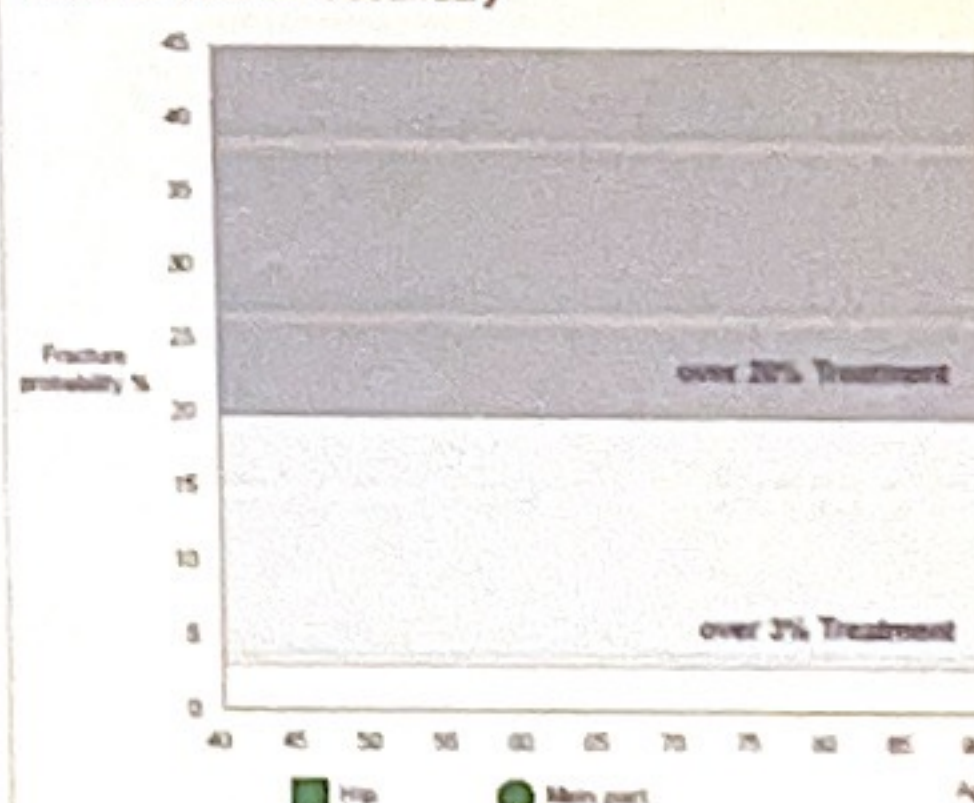
Follow up examination



comparison between current and previous BMD value



Index of treatment boundary



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Patient ID	158	Birth Date	1956-08-20 (65.9)	Height	1.7 cm	Ethnicity	HISPANIC
Patient Name	JESUS BERNARDO GARCIA SOT	Gender	Male	Weight	66.0 kg	Date Measured	2022-08-05

BCM (Bone Density Color Mapping Mode)

This is a visual image of the subjected patient's bone density distribution compared to the criteria obtained in the young group standard. Young group standard is calculated in accordance with WHO recommendations. The colors of the visualized images are divided into 3 levels.

Color Code	BMD Value	State
	1.135 and above	Healthy
	1.135 ~ 0.940	Normal
	0.940 ~ 0.745	Low Risk
	0.745 ~ 0.550	Medium Risk
	0.550 and below	High Risk

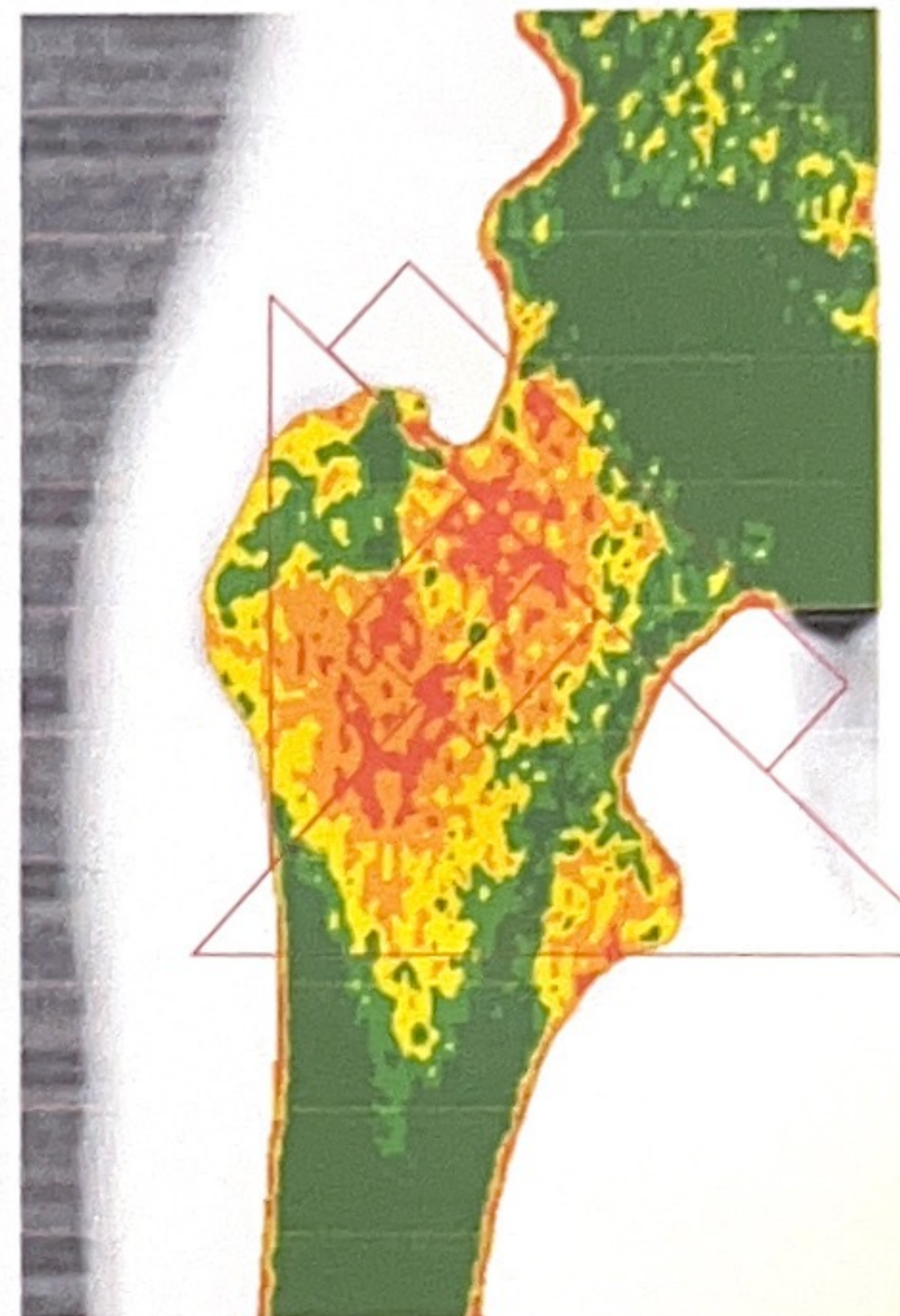


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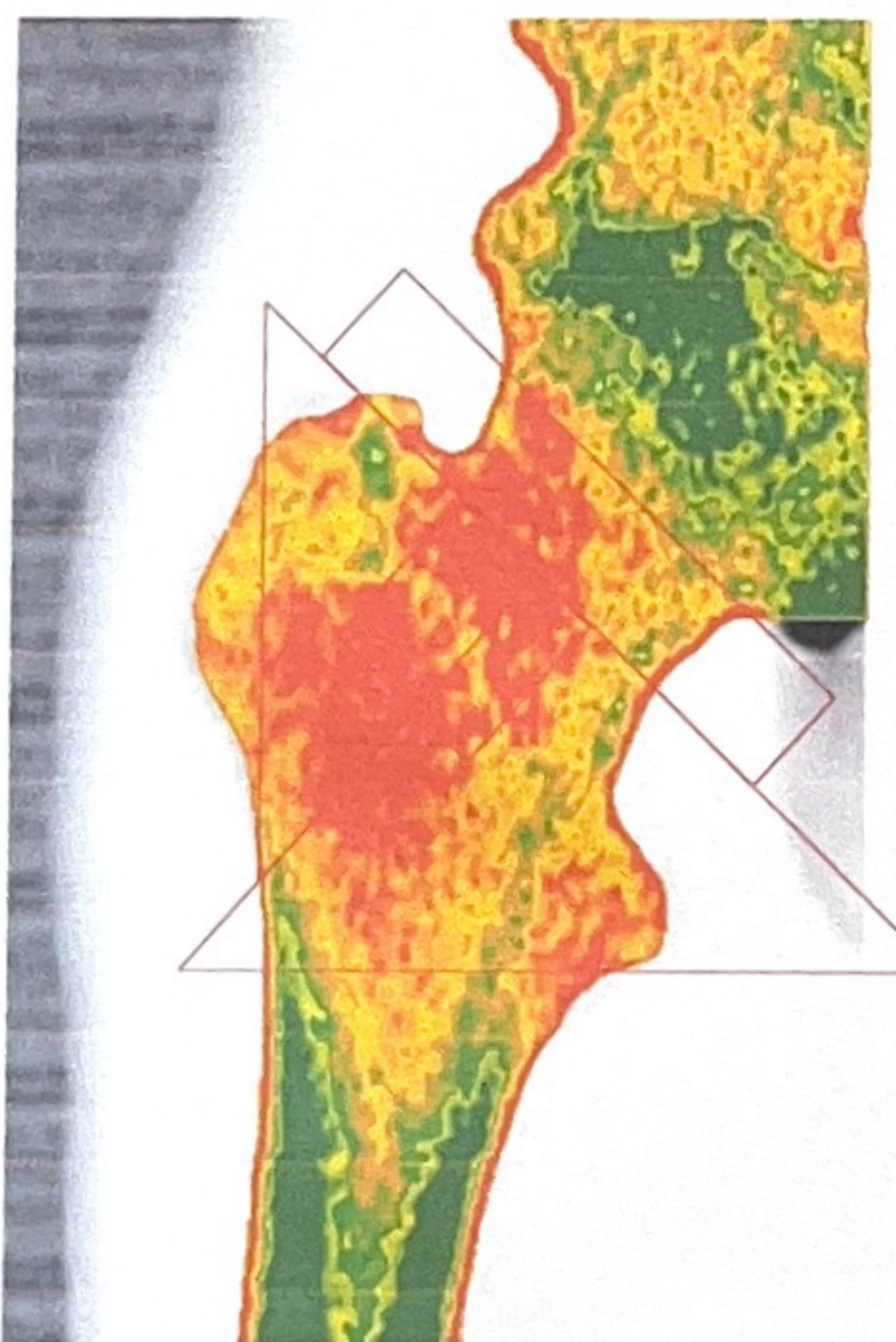







Image not for diagnosis

RCM (Relative bone density Color Mapping Mode)

This is a visualization of the subjected patient's bone density distribution. Objective is to distinguish between relatively weak and powerful areas, and it helps to easily identify the structure of the bone.

The color of the visualized image is divided into 3 levels.

Color Code	Grade Step	State
	Grade 4	Strongest
	Grade 3	Strong
	Grade 2	Weak
	Grade 1	Weaker
	Grade 0	Weakest

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