



SCANS WORLD



Excellence in Speciality Imaging
(A Unit of Roentgen Scans World Pvt. Ltd.)

DEXA BONE DENSITOMETRY REPORT 21.9 kg/m^2

Patient VIGNESH 27Y/M completed a BMD test on 04-03-2023 using the **Lunar DPX DEXA System** (analysis version: 14.10) manufactured by **GE Healthcare**. The following summarizes the results of our evaluation.

PATIENT BIOGRAPHICAL:

Name: VIGNESH 27Y/M
Patient ID: 22029 Referring Physician: Dr.AGNI RAJ
Gender: Male Birth Date: 21-06-1996, 26.7 Years Height: 164.0 cm
Weight: 59.0 kg

RESULT: BONE DENSITOMETRY

Site	Region	BMD	Young Adult T-score	Age Matched Z-score
Total Body	Total	1.151 g/cm ²	-0.9	0.0 Z-score
DualFemur	Total Left	1.058 g/cm ²	-0.3	0.1 Z-score
DualFemur	Total Right	1.094 g/cm ²	0.0	0.4 Z-score
AP Spine	L1-L3	0.879 g/cm ²	-2.8	-2.1 Z-score

World Health Organization (WHO) criteria :

Normal: T-score at or above -1 SD

Osteopenia: T-score between -1 and -2.5 SD

Osteoporosis: T-score at or below -2.5 SD

ASSESSMENT:

1. Above DEXA bone mineral density analysis suggestive of osteoporosis. Fracture risk is high.
2. The BMI measured is 21.9 kg/m^2 corresponds to Normal (as per WHO classification).
3. Whole body fat composition is 37.3% which is above 90 percentile value of standard reference population.


Dr. J. Philson.,MD.,FRCR,PDCC.,,
Consultant Radiologist.



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Patient:	VIGNESH, 27Y/M	(A Unit of Roentgen Scans World Pvt. Ltd.)
Birth Date:	21-06-1996	26.7 years
Height / Weight:	164.0 cm	59.0 kg
Sex / Ethnic:	Male	

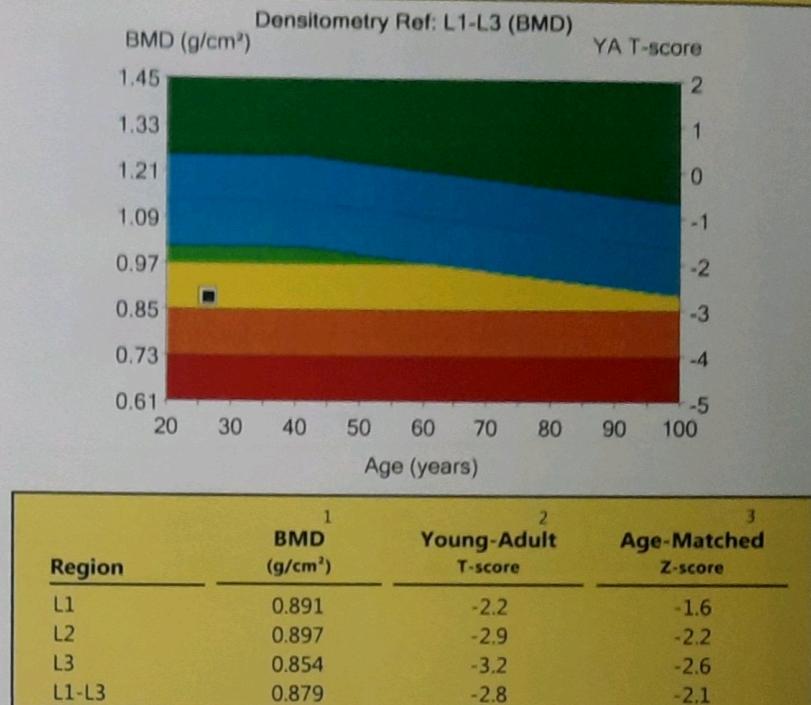
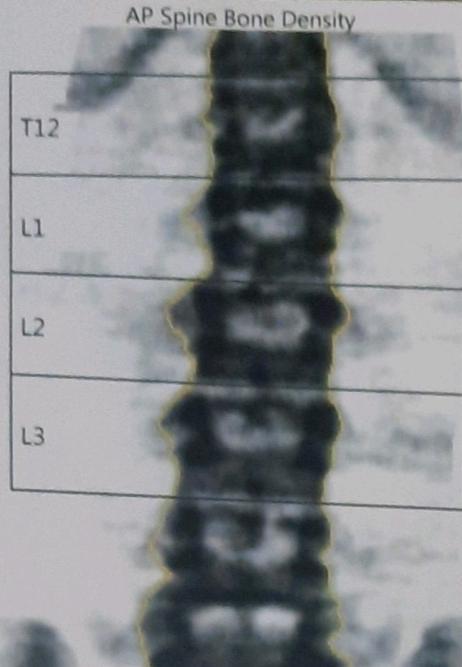


Image not for diagnosis

Printed: 04-03-2023 PM 3:21:18 (14.10)76:1.50:153.04:3.9 0.00:-1.00 0.60x1.20

21.4%Fat=33.7%

0.00:0.00 0.00:0.00

Filename: Smozqr398d.ntx

Scan Mode: Standard 20.0 μGy

1 - Statistically 68% of repeat scans fall within 1SD ($\pm 0.010 \text{ g}/\text{cm}^2$ for AP Spine L1-L3)

2 - USA (Combined NHANES (ages 20-30) / Lunar (ages 20-40)) AP Spine Reference Population (v113)

3 - Matched for Age, Weight (males 25-100 kg), Ethnic

11 - World Health Organization - Definition of Osteoporosis and Osteopenia for Caucasian Women: Normal = T-score at or above -1.0 SD; Osteopenia = 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.)



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Patient:	VIGNESH, 27Y/M	(A Unit of Roentgen Scans World Pvt. Ltd.)	Patient ID:	22029
Birth Date:	21-06-1996	26.7 years	Referring Physician:	Dr.AGNI RAJ
Height / Weight:	164.0 cm	59.0 kg	Measured:	04-03-2023 PM 2:59:52 (14.10)
Sex / Ethnic:	Male		Analyzed:	04-03-2023 PM 3:17:08 (14.10)

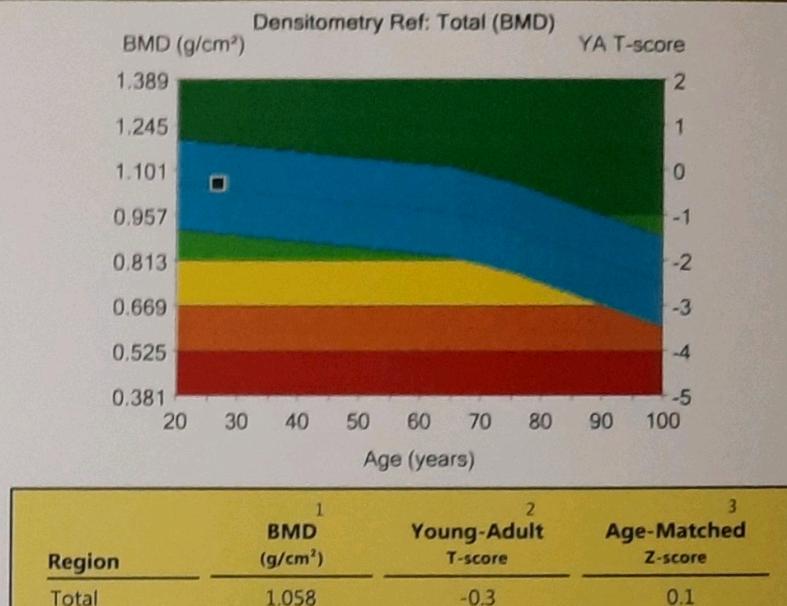
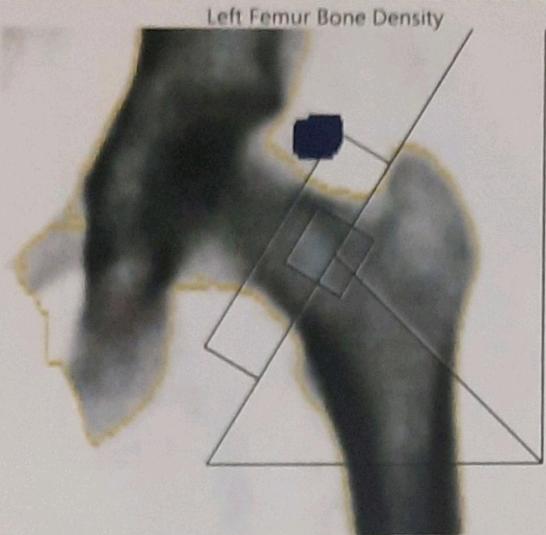


Image not for diagnosis

Printed: 04-03-2023 PM 3:21:19 (14.10)76:0.38:76.52:7.8 0.00:-1.00 0.60x1.20
15.5%Fat=36.8%
0.00.000.00.00
Neck Angle (deg)= 59
Filename: Smozqr398d.ntx
Scan Mode: Thin 5.0 µGy

1 - Statistically 68% of repeat scans fall within 1SD ($\pm 0.012 \text{ g/cm}^2$ for Left Femur Total)
2 - USA (Combined NHANES (ages 20-30) / Lunar (ages 20-40)) Femur Reference Population (v113)
3 - Matched for Age, Weight (males 25-100 kg), Ethnic
11 - World Health Organization - Definition of Osteoporosis and Osteopenia for Caucasian Women: Normal = T-score at or above -1.0 SD; Osteopenia = 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.)

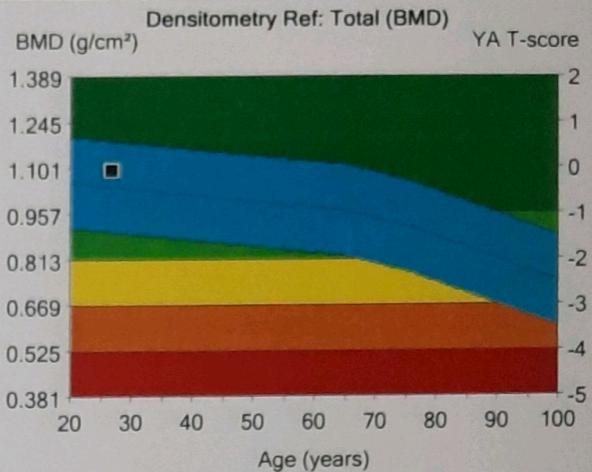
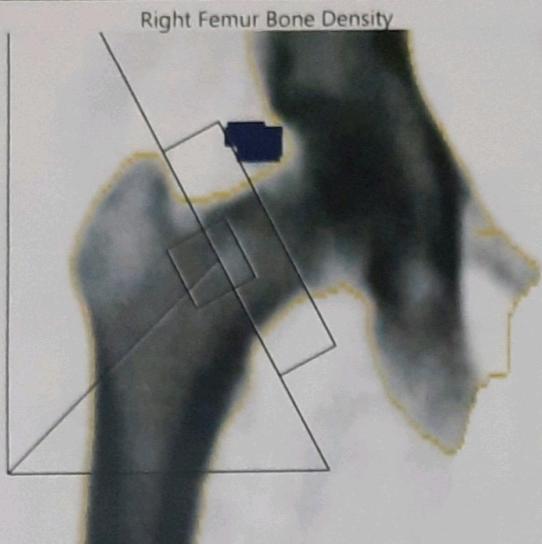


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Patient:	VIGNESH, 27Y/M	(A Unit of Roentgen Scans World Pvt. Ltd.)	Patient ID:	22029
Birth Date:	21-06-1996	26.7 years	Referring Physician:	Dr.AGNI RAJ
Height / Weight:	164.0 cm	59.0 kg	Measured:	04-03-2023 PM 3:04:29 (14.10)
Sex / Ethnic:	Male		Analyzed:	04-03-2023 PM 3:17:08 (14.10)

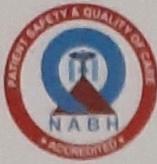


Region	1 BMD (g/cm^2)	2 Young-Adult T-score	3 Age-Matched Z-score
Total	1.094	0.0	0.4

Image not for diagnosis

Printed: 04-03-2023 PM 3:21:20 (14.10)76:0.38:76.52:7.8 0.00:-1.00 0.60x1.20
15.3%Fat=36.0%
0.00.000.00.00
Neck Angle (deg)= 62
Filename: Smozqr398d.ntx
Scan Mode: Thin 5.0 μGy

1 - Statistically 68% of repeat scans fall within 1SD ($\pm 0.012 \text{ g}/\text{cm}^2$ for Right Femur Total)
2 - USA (Combined NHANES (ages 20-30) / Lunar (ages 20-40)) Femur Reference Population (v113)
3 - Matched for Age, Weight (males 25-100 kg), Ethnic
11 - World Health Organization - Definition of Osteoporosis and Osteopenia for Caucasian Women: Normal = T-score at or above -1.0 SD; Osteopenia = 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.)



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Birth Date:	21-06-1996	26.7 years	Referring Physician:	Dr.AGNI RAJ
Height / Weight:	164.0 cm	59.0 kg	Measured:	04-03-2023 PM 3:15:21 (14.10)
Sex / Ethnic:	Male		Analyzed:	04-03-2023 PM 3:15:23 (14.10)

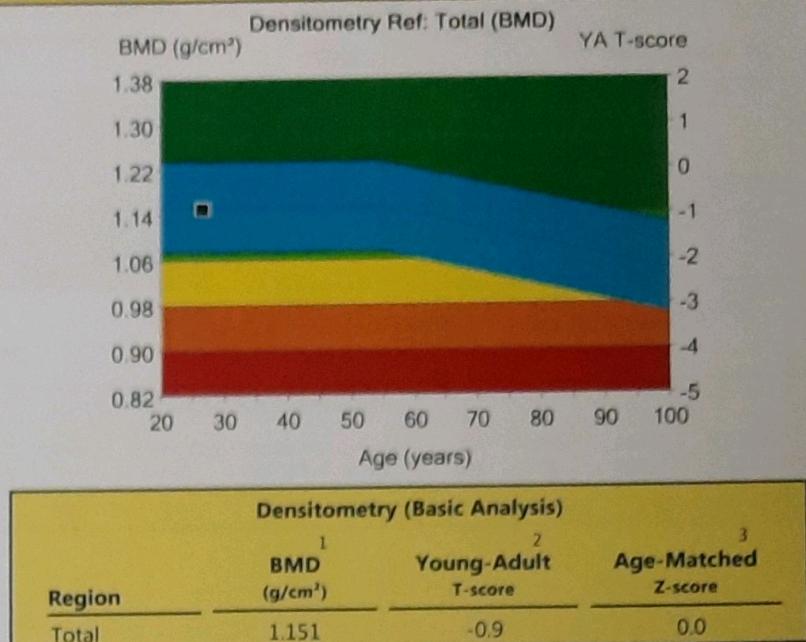
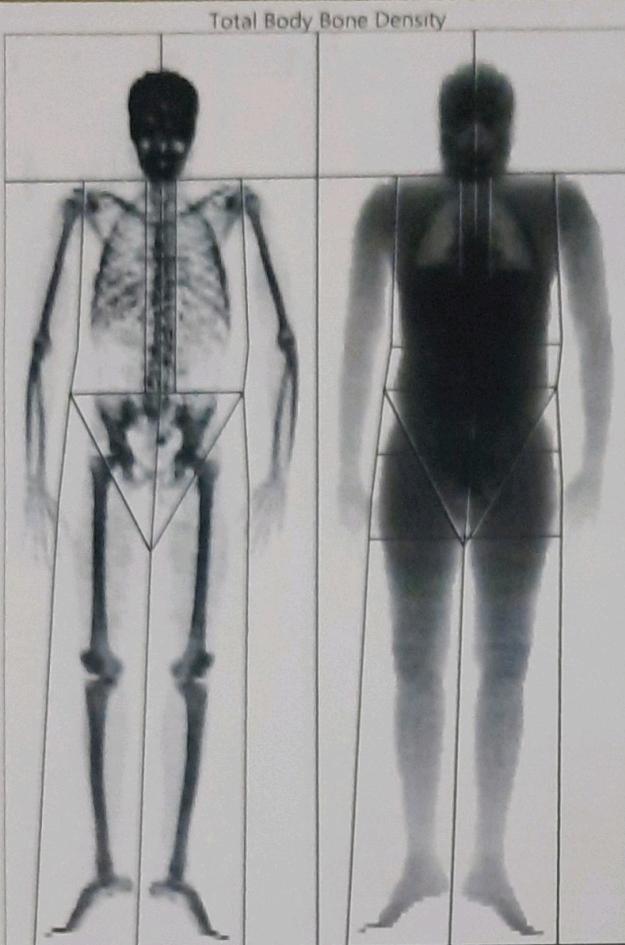


Image not for diagnosis

Printed: 04-03-2023 PM 3:21:21 (14.10)76.0.10:153.04:31.4 0.00:-1.00 4.81x9.61

12.7%Fat=37.3%

0.00:0.00 0.00:0.00

Filename: Smozqz398d.ntx

Scan Mode: Standard 0.2 μGy

1 -Statistically 68% of repeat scans fall within 1SD ($\pm 0.010 \text{ g}/\text{cm}^2$ for Total Body Total)

2 -USA (Combined NHANES (ages 20-30) / Lunar (ages 20-40)) Total Body Reference Population (v113)

3 -Matched for Age, Weight (males 25-100 kg), Ethnic



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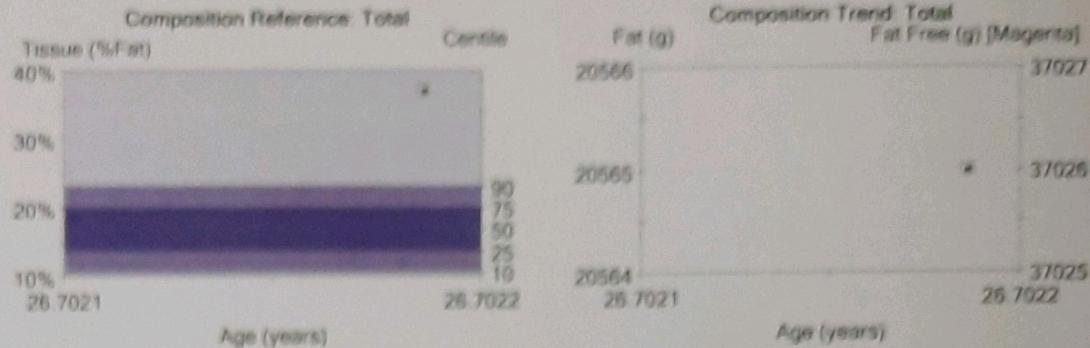
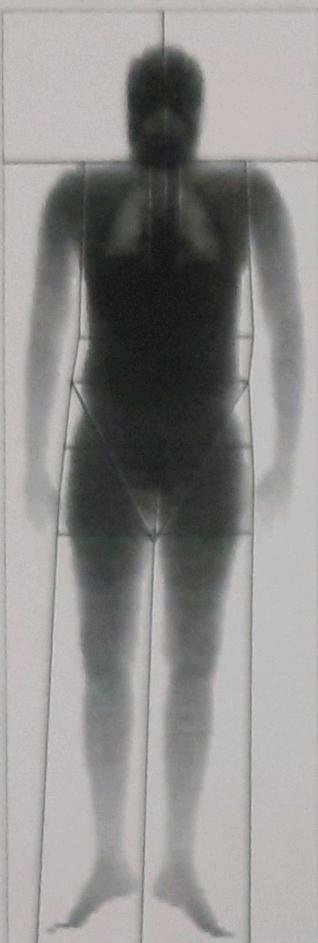
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Patient: VIGNESH, 27Y/M
 Birth Date: 21-06-1996 26.7 years
 Height / Weight: 164.0 cm 59.0 kg
 Sex / Ethnic: Male

Patient ID: 22029
 Referring Physician: Dr AGNI RAJ
 Measured: 04-03-2023 PM 3:15:21 (14:10)
 Analyzed: 04-03-2023 PM 3:15:23 (14:10)

Total Body Tissue Quantitation



Trend: Total (Basic Analysis)

Measured Date	Age (years)	Tissue (%Fat)	Centile	Total Mass (kg)	Region (%Fat)	Tissue (g)	Fat (g)	Lean (g)	BMC (g)	Fat Free (g)
04-03-2023	26.7	37.3	100	57.6	35.7	55.196	20.565	34.631	2.395	37.026

Trend: Fat Distribution (Basic Analysis)

Measured Date	Age (years)	Android (%Fat)	Gynoid (%Fat)	A/G Ratio	Total Body (%Fat)
04-03-2023	26.7	50.9	43.1	1.18	37.3

World Health Organization BMI Classification

BMI = 21.9 (kg/m²)

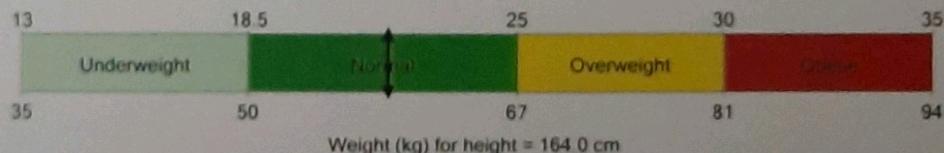


Image not for diagnosis

Printed: 04-03-2023 PM 3:21:23 (14:10)76.0.10-153.04.31.4 0.00-1.00 4.81x9.61

12.7%Fat=37.3%

0.000.00 0.00.00

Filename: Smoqr39bd.ntx

Scan Mode: Standard 0.2 µGy

1 -Statistically 68% of repeat scans fall within 1SD ($\pm 0.8\%$ Fat, ± 210 g Tissue Mass, ± 520 g Fat Mass, ± 610 g Lean Mass for Total Body Total)

2 -USA (Lunar) Total Body Composition Reference Population (v113)

3 -Composition Matched for Age