

PHYSICAL EXAMINATION REPORT

Patient Name	Sujatha Gugulothu	Sex/Age	F / 33
Date	11/11/23	Location	Thane

History and Complaints

MIL
H/O Occ. headache

EXAMINATION FINDINGS:

Height (cms):	158	Temp (0c):	Afebr
Weight (kg):	76.8	Skin:	MAJ
Blood Pressure	110/70	Nails:	TL
Pulse:	70L	Lymph Node:	NP

Systems :

Cardiovascular:

Respiratory:

Genitourinary:

GI System:

CNS:

Impression:

MAD

1) Obesity 2) ESR ↑ 3) Hypertension 4) Abnormal USG Report

Advice: TO REDUCE WEIGHT, TO Follow up with Family
physician & Gastrologist
As

DR. ANAND N. MOTWANI
M.D. (GENERAL MEDICINE)
Reg. No. 39329 (M.M.C)

- | | |
|-----|--------------------------------------|
| 1) | Hypertension: |
| 2) | IHD |
| 3) | Arrhythmia |
| 4) | Diabetes Mellitus |
| 5) | Tuberculosis |
| 6) | Asthama |
| 7) | Pulmonary Disease |
| 8) | Thyroid/ Endocrine disorders |
| 9) | Nervous disorders |
| 10) | GI system |
| 11) | Genital urinary disorder |
| 12) | Rheumatic joint diseases or symptoms |
| 13) | Blood disease or disorder |
| 14) | Cancer/lump growth/cyst |
| 15) | Congenital disease |
| 16) | Surgeries |
| 17) | Musculoskeletal System |

Handwritten notes and brackets:
 - A large bracket on the right side of items 1-17.
 - "NO" written next to the bracket.
 - "MAD" written below "NO".
 - "LESS" written below "MAD".
 - "MAD" written below "LESS".

PERSONAL HISTORY:

- | | |
|----|------------|
| 1) | Alcohol |
| 2) | Smoking |
| 3) | Diet |
| 4) | Medication |

Handwritten notes:
 - "NO" written vertically next to the list.
 - "NO" written vertically next to the list.
 - "mixed" written horizontally next to the list.
 - "NO" written horizontally next to the list.

Date: 11/11/25 CID: 2331520837
Name: Sujatha Gogulothu Sex / Age: F 33.

EYE CHECK UP

Chief complaints: RW

Systemic Diseases: All

Past history: DM.

Unaided Vision: 32/60 HV2/N.

Aided Vision:

Refraction:

(Right Eye)

(Left Eye)

	Sph	Cyl	Axis	Vn	Sph	Cyl	Axis	Vn
Distance								
Near								

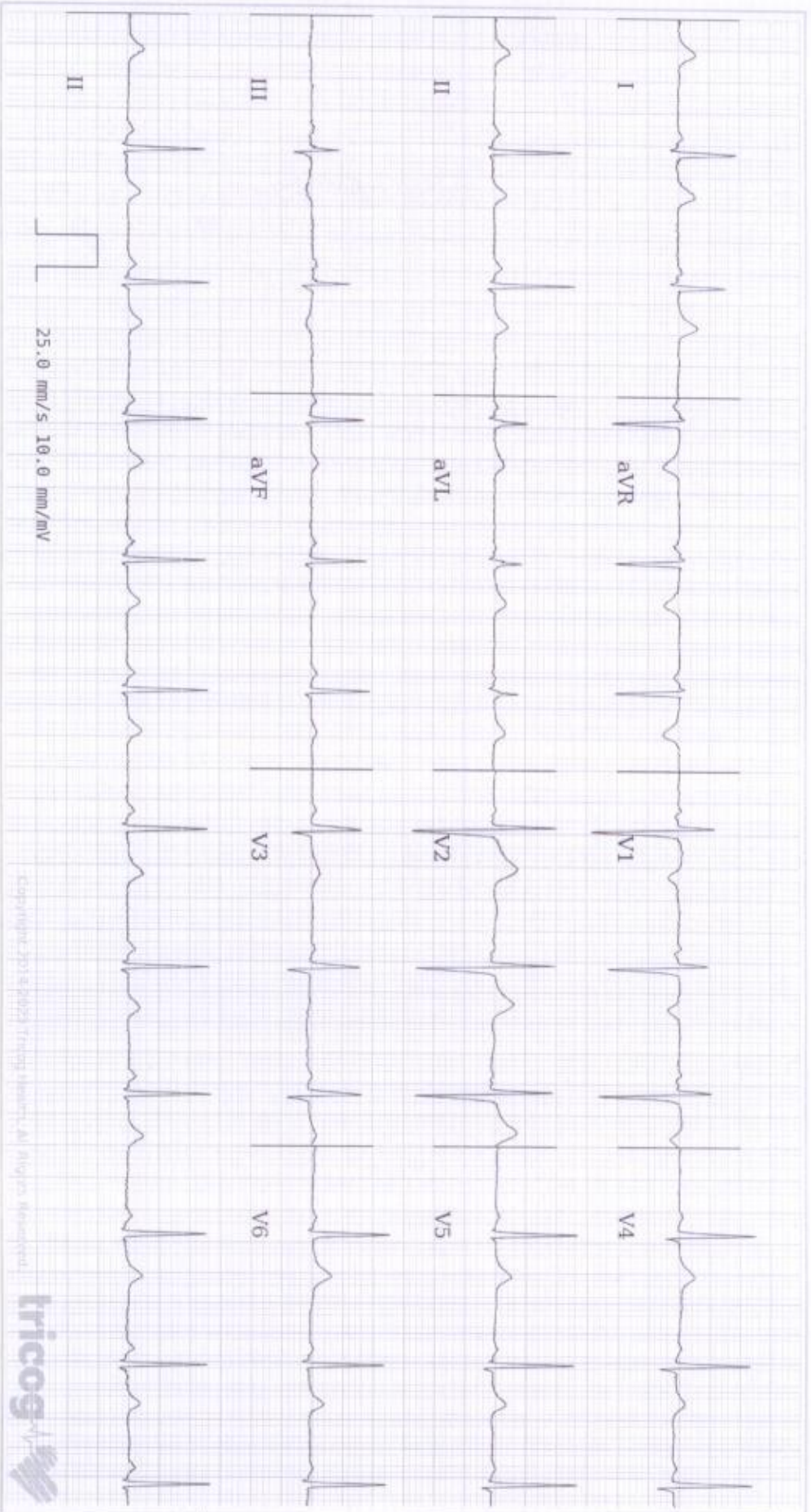
Colour Vision: Normal / Abnormal

Remark: Good Vision

MR. PRAKASH KMDVA
Prakash
SR. OPTOMETRIST

Patient Name: **SUJATHA GUGULOTHU**
Patient ID: **2331520831**

SUBURBAN DIAGNOSTICS - G B ROAD, THANE WEST
Date and Time: **11th Nov 23 10:57 AM**



Age **31** NA NA
years months days

Gender **Female**

Heart Rate **70bpm**

Patient Vitals

BP: **110/76 mmHg**

Weight: **76 kg**

Height: **158 cm**

Pulse: **NA**

SpO2: **NA**

Resp: **NA**

Others:

Measurements

QRSD: **88ms**

QT: **394ms**

QTcB: **425ms**

PR: **128ms**

P-R-T: **47° 46° 11°**

ECG Within Normal Limits: Sinus Rhythm. Please correlate clinically.

REPORTED BY

DR SHAIL AN PILLAI
MBBS, MD Physician
MD Physician
49977

Disclaimer: If a multiple in this report is based on ECG alone and should be used as an adjunct to clinical history, symptoms, and results of other invasive and non-invasive tests and must be interpreted by a qualified physician. This report valid only as ordered by the clinician and not derived from the ECG.

REG NO : 2331520831	SEX : FEMALE
NAME : MRS.SUJATHA GUGULOTHU	AGE : 31 YRS
REF BY : -----	DATE : 11.11.2023

2D ECHOCARDIOGRAPHY

M - MODE FINDINGS:

LVIDD	41	mm
LVIDS	24	mm
LVEF	60	%
IVS	12	mm
PW	8	mm
AO	18	mm
LA	29	mm

2D ECHO:

- All cardiac chambers are normal in size
- Left ventricular contractility : Normal
- Regional wall motion abnormality : Absent.
- Systolic thickening : Normal. LVEF = 60%
- Mitral, tricuspid , aortic , pulmonary valves are : Normal.
- Great arteries : Aorta and pulmonary artery are : Normal .
- Inter - atrial and inter - ventricular septum are intact .
- Pulmonary veins , IVC , hepatic veins are normal.
- No pericardial effusion . No intracardiac clots or vegetation.

PATIENT NAME : MRS.SUJATHA GUGULOTHU

COLOR DOPPLER:

- Mitral valve doppler – E- 1.1 m/s, A- 0.7 m/s.
- Mild TR.
- No aortic / mitral regurgitation. Aortic velocity 1.6 m/s, PG 10.9 mmHg
- No significant gradient across aortic valve.
- No diastolic dysfunction.

IMPRESSION:

- MILD CONCENTRIC HYPERTROPHY OF LV
- NO REGIONAL WALL MOTION ABNORMALITY AT REST.
- NORMAL LV SYSTOLIC FUNCTION.

-----End of the Report-----



DR.YOGESH KHARCHE
DNB(MEDICINE) DNB (CARDIOLOGY)
CONSULTANT INTERVENTIONAL CARDIOLOGIST.

CID : 2331520831
Name : Mrs SUJATHA GUGULOTHU
Age / Sex : 31 Years/Female
Ref. Dr :
Reg. Location : G B Road, Thane West Main Centre
Reg. Date : 11-Nov-2023
Reported : 11-Nov-2023 / 12:54

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USG WHOLE ABDOMEN

LIVER: Liver appears normal in size and echotexture. There is no intra-hepatic biliary radical dilatation. No evidence of any focal lesion.

GALL BLADDER: Gall bladder is distended and appears normal. Wall thickness is within normal limits. There is no evidence of any calculus.

PORTAL VEIN: Portal vein is normal. **CBD:** CBD is normal.

PANCREAS: Pancreas appears normal in echotexture. There is no evidence of any focal lesion or calcification. Pancreatic duct is not dilated.

KIDNEYS: Right kidney measures 9.4 x 4.0 cm. Left kidney measures 10.8 x 4.8 cm. Both kidneys are normal in size, shape and echotexture. Corticomedullary differentiation is maintained. There is no evidence of any hydronephrosis, hydroureter or calculus.

SPLEEN: Spleen is normal in size, shape and echotexture. No focal lesion is seen.

URINARY BLADDER: Urinary bladder is distended and normal. Wall thickness is within normal limits.

UTERUS: Uterus is retroverted, mildly bulky and measures 5.7 x 4.2 x 5.1 cm. Cystic lesion is noted in anterior wall of uterus measuring 8 mm.

Endometrial echo is in midline and measures 6 mm. Cervix appears normal.

OVARIES: Both ovaries are normal.

The right ovary measures 2.6 x 1.7 cm.

The left ovary measures 2.8 x 2.0 cm.

No significant lymphadenopathy is seen.

Mild free fluid noted in pouch of douglas.,

Click here to view images <<ImageLink>>

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IMPRESSION:

- MILDLY BULKY UTERUS WITH CYSTIC LESION IN ANTERIOR WALL, MOST LIKELY MYOMETRIAL CYST.
- MILD FREE FLUID NOTED IN POUCH OF DOUGLAS.

Advice: Clinical co-relation sos further evaluation and follow up.

Note: Investigations have their limitations. Solitary radiological investigations never confirm the final diagnosis. They only help in diagnosing the disease in correlation to clinical symptoms and other related tests. USG is known to have inter-observer variations. Further/follow-up imaging may be needed in some cases for confirmation / exclusion of diagnosis.

-----End of Report-----



Dr Gauri Varma
Consultant Radiologist
MBBS / DMRE
MMC- 2007/12/4113

Click here to view images <<ImageLink>>

Reg. No. :2331520831	Sex : FEMALE
NAME : MRS. SUJATHA GUGULOTHU	Age : 31 YRS
Ref. By : -----	Date : 11.11.2023

SONOMAMMOGRAPHY REPORT

Mixed fibroglandular tissues are seen in both breasts.

No solid or cystic mass lesion are seen.

No duct ectasia is seen.

Both retromammary regions appear normal.

No significant axillary lymphadenopathy noted.

IMPRESSION:

- **NO SIGNIFICANT ABNORMALITY IS DETECTED.
USG BIRADS I BOTH BREASTS.**

Note: Investigations have their limitations. Solitary radiological investigations never confirm the final diagnosis. They only help in diagnosing the disease in correlation to clinical symptoms and other related tests. USG is known to have inter-observer variations.



DR. GAURI VARMA
MBBS, DMRE
(CONSULTANT RADIOLOGIST)



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Name : Mrs SUJATHA GUGULOTHU
Age / Sex : 31 Years/Female
Ref. Dr :
Reg. Location : G B Road, Thane West Main Centre
Reg. Date : 11-Nov-2023
Reported : 11-Nov-2023 / 12:23

X-RAY CHEST PA VIEW

Both lung fields are clear.

Both costo-phrenic angles are clear.

The cardiac size and shape are within normal limits.

The domes of diaphragm are normal in position and outlines.

The skeleton under review appears normal.

IMPRESSION:

NO SIGNIFICANT ABNORMALITY IS DETECTED.

-----End of Report-----

Dr Gauri Varma
Consultant Radiologist
MBBS / DMRE
MMC- 2007/12/4113

Click here to view images <http://3.111.232.119/iRISViewer/NeoradViewer?AccessionNo=202311110221642>

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Name : MRS.SUJATHA GUGULOTHU
Age / Gender : 31 Years / Female
Consulting Dr. : -
Reg. Location : G B Road, Thane West (Main Centre)

Collected : 11-Nov-2023 / 10:32
Reported : 11-Nov-2023 / 11:47

MEDIWHEEL FULL BODY HEALTH CHECKUP FEMALE ABOVE 40/2D ECHO

CBC (Complete Blood Count), Blood

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
RBC PARAMETERS			
Haemoglobin	12.6	12.0-15.0 g/dL	Spectrophotometric
RBC	4.32	3.8-4.8 mil/cmm	Elect. Impedance
PCV	39.5	36-46 %	Measured
MCV	91.5	80-100 fl	Calculated
MCH	29.1	27-32 pg	Calculated
MCHC	31.8	31.5-34.5 g/dL	Calculated
RDW	14.1	11.6-14.0 %	Calculated
WBC PARAMETERS			
WBC Total Count	8410	4000-10000 /cmm	Elect. Impedance
WBC DIFFERENTIAL AND ABSOLUTE COUNTS			
Lymphocytes	35.0	20-40 %	
Absolute Lymphocytes	2943.5	1000-3000 /cmm	Calculated
Monocytes	6.5	2-10 %	
Absolute Monocytes	546.6	200-1000 /cmm	Calculated
Neutrophils	53.4	40-80 %	
Absolute Neutrophils	4490.9	2000-7000 /cmm	Calculated
Eosinophils	5.1	1-6 %	
Absolute Eosinophils	428.9	20-500 /cmm	Calculated
Basophils	0.0	0.1-2 %	
Absolute Basophils	0.0	20-100 /cmm	Calculated
Immature Leukocytes	-		
WBC Differential Count by Absorbance & Impedance method/Microscopy.			
PLATELET PARAMETERS			
Platelet Count	220000	150000-400000 /cmm	Elect. Impedance
MPV	9.5	6-11 fl	Calculated
PDW	13.3	11-18 %	Calculated
RBC MORPHOLOGY			
Hypochromia	-		
Microcytosis	-		





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Age / Gender : 31 Years / Female
Consulting Dr. : -
Reg. Location : G B Road, Thane West (Main Centre)

Collected : 11-Nov-2023 / 10:32
Reported : 11-Nov-2023 / 11:40

Macrocytosis	-
Anisocytosis	-
Poikilocytosis	-
Polychromasia	-
Target Cells	-
Basophilic Stippling	-
Normoblasts	-
Others	Normocytic, Normochromic
WBC MORPHOLOGY	-
PLATELET MORPHOLOGY	-
COMMENT	-

Specimen: EDTA Whole Blood

ESR, EDTA WB-ESR 41 2-20 mm at 1 hr. Sedimentation

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD G B Road Lab, Thane West
*** End Of Report ***



J. Mujawar
Dr. IMRAN MUJAWAR
M.D (Path)
Pathologist



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Name : MRS.SUJATHA GUGULOTHU
Age / Gender : 31 Years / Female
Consulting Dr. : -
Reg. Location : G B Road, Thane West (Main Centre)

Collected : 11-Nov-2023 / 10:32
Reported : 11-Nov-2023 / 16:01

MEDIWHEEL FULL BODY HEALTH CHECKUP FEMALE ABOVE 40/2D ECHO

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
GLUCOSE (SUGAR) FASTING, Fluoride Plasma	91.2	Non-Diabetic: < 100 mg/dl Impaired Fasting Glucose: 100-125 mg/dl Diabetic: >/= 126 mg/dl	Hexokinase
GLUCOSE (SUGAR) PP, Fluoride Plasma PPR	87.4	Non-Diabetic: < 140 mg/dl Impaired Glucose Tolerance: 140-199 mg/dl Diabetic: >/= 200 mg/dl	Hexokinase
Urine Sugar (Fasting)	Absent	Absent	
Urine Ketones (Fasting)	Absent	Absent	

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD G B Road Lab, Thane West
*** End Of Report ***



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Pathologist



CID : 2331520831
Name : MRS.SUJATHA GUGULOTHU
Age / Gender : 31 Years / Female
Consulting Dr. : -
Reg. Location : G B Road, Thane West (Main Centre)

Collected : 11-Nov-2023 / 10:32
Reported : 11-Nov-2023 / 12:28

MEDIWHEEL FULL BODY HEALTH CHECKUP FEMALE ABOVE 40/2D ECHO
KIDNEY FUNCTION TESTS

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
BLOOD UREA, Serum	25.1	12.8-42.8 mg/dl	Urease & GLDH
BUN, Serum	11.7	6-20 mg/dl	Calculated
CREATININE, Serum	0.63	0.51-0.95 mg/dl	Enzymatic
eGFR, Serum	122	(ml/min/1.73sqm) Normal or High: Above 90 Mild decrease: 60-89 Mild to moderate decrease: 45-59 Moderate to severe decrease: 30-44 Severe decrease: 15-29 Kidney failure: <15	Calculated
Note: eGFR estimation is calculated using 2021 CKD-EPI GFR equation w.e.f 16-08-2023			
TOTAL PROTEINS, Serum	7.6	6.4-8.3 g/dL	Biuret
ALBUMIN, Serum	4.7	3.5-5.2 g/dL	BCG
GLOBULIN, Serum	2.9	2.3-3.5 g/dL	Calculated
A/G RATIO, Serum	1.6	1 - 2	Calculated
URIC ACID, Serum	5.5	2.4-5.7 mg/dl	Uricase
PHOSPHORUS, Serum	4.5	2.7-4.5 mg/dl	Ammonium molybdate
CALCIUM, Serum	9.8	8.6-10.0 mg/dl	N-BAPTA
SODIUM, Serum	134	135-148 mmol/l	ISE
POTASSIUM, Serum	5.3	3.5-5.3 mmol/l	ISE
CHLORIDE, Serum	96	98-107 mmol/l	ISE

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD G B Road Lab, Thane West
*** End Of Report ***



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Age / Gender : 31 Years / Female
Consulting Dr. : -
Reg. Location : G B Road, Thane West (Main Centre)

Collected : 11-Nov-2023 / 10:32
Reported : 11-Nov-2023 / 12:28

MEDIWHEEL FULL BODY HEALTH CHECKUP FEMALE ABOVE 40/2D ECHO
GLYCOSYLATED HEMOGLOBIN (HbA1c)

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
Glycosylated Hemoglobin (HbA1c), EDTA WB - CC	5.0	Non-Diabetic Level: < 5.7 % Prediabetic Level: 5.7-6.4 % Diabetic Level: >= 6.5 %	HPLC
Estimated Average Glucose (eAG), EDTA WB - CC	96.8	mg/dl	Calculated

Intended use:

- In patients who are meeting treatment goals, HbA1c test should be performed at least 2 times a year
- In patients whose therapy has changed or who are not meeting glycemic goals, it should be performed quarterly
- For microvascular disease prevention, the HbA1c goal for non pregnant adults in general is Less than 7%.

Clinical Significance:

- HbA1c, Glycosylated hemoglobin or glycated hemoglobin, is hemoglobin with glucose molecule attached to it.
- The HbA1c test evaluates the average amount of glucose in the blood over the last 2 to 3 months by measuring the percentage of glycosylated hemoglobin in the blood.

Test Interpretation:

- The HbA1c test evaluates the average amount of glucose in the blood over the last 2 to 3 months by measuring the percentage of Glycosylated hemoglobin in the blood.
- HbA1c test may be used to screen for and diagnose diabetes or risk of developing diabetes.
- To monitor compliance and long term blood glucose level control in patients with diabetes.
- Index of diabetic control, predicting development and progression of diabetic micro vascular complications.

Factors affecting HbA1c results:

Increased in: High fetal hemoglobin, Chronic renal failure, Iron deficiency anemia, Splenectomy, Increased serum triglycerides, Alcohol ingestion, Lead/opiate poisoning and Salicylate treatment.

Decreased in: Shortened RBC lifespan (Hemolytic anemia, blood loss), following transfusions, pregnancy, ingestion of large amount of Vitamin E or Vitamin C and Hemoglobinopathies

Reflex tests: Blood glucose levels, CGM (Continuous Glucose monitoring)

References: ADA recommendations, AACC, Wallach's interpretation of diagnostic tests 10th edition.

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD G B Road Lab, Thane West
*** End Of Report ***

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Age / Gender : 31 Years / Female
Consulting Dr. : -
Reg. Location : G B Road, Thane West (Main Centre)

Collected : 11-Nov-2023 / 10:32
Reported : 11-Nov-2023 / 17:30

MEDIWHEEL FULL BODY HEALTH CHECKUP FEMALE ABOVE 40/2D ECHO
URINE EXAMINATION REPORT

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
PHYSICAL EXAMINATION			
Color	Pale yellow	Pale Yellow	-
Reaction (pH)	Acidic (6.0)	4.5 - 8.0	Chemical Indicator
Specific Gravity	1.010	1.010-1.030	Chemical Indicator
Transparency	Slight hazy	Clear	-
Volume (ml)	50	-	-
CHEMICAL EXAMINATION			
Proteins	Absent	Absent	pH Indicator
Glucose	Absent	Absent	GOD-POD
Ketones	Absent	Absent	Legals Test
Blood	Trace	Absent	Peroxidase
Bilirubin	Absent	Absent	Diazonium Salt
Urobilinogen	Normal	Normal	Diazonium Salt
Nitrite	Absent	Absent	Griess Test
MICROSCOPIC EXAMINATION			
Leukocytes(Pus cells)/hpf	1-2	0-5/hpf	
Red Blood Cells / hpf	Occasional	0-2/hpf	
Epithelial Cells / hpf	0-1		
Casts	Absent	Absent	
Crystals	Absent	Absent	
Amorphous debris	Absent	Absent	
Bacteria / hpf	1-2	Less than 20/hpf	
Others	-		

Interpretation: The concentration values of Chemical analytes corresponding to the grading given in the report are as follows:

- Protein (1+ = 25 mg/dl , 2+ =75 mg/dl , 3+ = 150 mg/dl , 4+ = 500 mg/dl)
- Glucose(1+ = 50 mg/dl , 2+ =100 mg/dl , 3+ =300 mg/dl ,4+ =1000 mg/dl)
- Ketone (1+ =5 mg/dl , 2+ = 15 mg/dl , 3+ = 50 mg/dl , 4+ = 150 mg/dl)

Reference: Pack inert

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD G B Road Lab, Thane West.
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Age / Gender : 31 Years / Female
Consulting Dr. : -
Reg. Location : G B Road, Thane West (Main Centre)

Collected : 11-Nov-2023 / 10:32
Reported : 11-Nov-2023 / 14:04

MEDIWHEEL FULL BODY HEALTH CHECKUP FEMALE ABOVE 40/2D ECHO
BLOOD GROUPING & Rh TYPING

PARAMETER	RESULTS
ABO GROUP	O
Rh TYPING	Positive

NOTE: Test performed by Semi- automated column agglutination technology (CAT)

Note: This sample has also been tested for Bombay group/Bombay phenotype/Oh using anti H lectin

Specimen: EDTA Whole Blood and/or serum

Clinical significance:
ABO system is most important of all blood group in transfusion medicine

Limitations:

- ABO blood group of new born is performed only by cell (forward) grouping because allo antibodies in cord blood are of maternal origin.
- Since A & B antigens are not fully developed at birth, both Anti-A & Anti-B antibodies appear after the first 4 to 6 months of life. As a result, weaker reactions may occur with red cells of newborns than of adults.
- Confirmation of newborn's blood group is indicated when A & B antigen expression and the isoagglutinins are fully developed at 2 to 4 years of age & remains constant throughout life.
- Cord blood is contaminated with Wharton's jelly that causes red cell aggregation leading to false positive result
- The Hh blood group also known as Oh or Bombay blood group is rare blood group type. The term Bombay is used to refer the phenotype that lacks normal expression of ABH antigens because of inheritance of hh genotype.

References:

1. Denise M Harmening, Modern Blood Banking and Transfusion Practices- 6th Edition 2012. F.A. Davis company. Philadelphia
2. AABB technical manual

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MEDIWHEEL FULL BODY HEALTH CHECKUP FEMALE ABOVE 40/2D ECHO
LIPID PROFILE

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
CHOLESTEROL, Serum	185.0	Desirable: <200 mg/dl Borderline High: 200-239mg/dl High: >/=240 mg/dl	CHOD-POD
TRIGLYCERIDES, Serum	96.8	Normal: <150 mg/dl Borderline-high: 150 - 199 mg/dl High: 200 - 499 mg/dl Very high:>/=500 mg/dl	GPO-POD
HDL CHOLESTEROL, Serum	33.8	Desirable: >60 mg/dl Borderline: 40 - 60 mg/dl Low (High risk): <40 mg/dl	Homogeneous enzymatic colorimetric assay
NON HDL CHOLESTEROL, Serum	151.2	Desirable: <130 mg/dl Borderline-high:130 - 159 mg/dl High:160 - 189 mg/dl Very high: >/=190 mg/dl	Calculated
LDL CHOLESTEROL, Serum	132.0	Optimal: <100 mg/dl Near Optimal: 100 - 129 mg/dl Borderline High: 130 - 159 mg/dl High: 160 - 189 mg/dl Very High: >/= 190 mg/dl	Calculated
VLDL CHOLESTEROL, Serum	19.2	< /= 30 mg/dl	Calculated
CHOL / HDL CHOL RATIO, Serum	5.5	0-4.5 Ratio	Calculated
LDL CHOL / HDL CHOL RATIO, Serum	3.9	0-3.5 Ratio	Calculated

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD G B Road Lab, Thane West
*** End Of Report ***



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M.D (Path)
Pathologist



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Age / Gender : 31 Years / Female
Consulting Dr. : -
Reg. Location : G B Road, Thane West (Main Centre)

Collected : 11-Nov-2023 / 10:32
Reported : 11-Nov-2023 / 14:02

MEDIWHEEL FULL BODY HEALTH CHECKUP FEMALE ABOVE 40/2D ECHO
THYROID FUNCTION TESTS

<u>PARAMETER</u>	<u>RESULTS</u>	<u>BIOLOGICAL REF RANGE</u>	<u>METHOD</u>
Free T3, Serum	4.8	3.5-6.5 pmol/L	ECLIA
Free T4, Serum	14.6	11.5-22.7 pmol/L First Trimester:9.0-24.7 Second Trimester:6.4-20.59 Third Trimester:6.4-20.59	ECLIA
sensitiveTSH, Serum	2.81	0.35-5.5 microIU/ml First Trimester:0.1-2.5 Second Trimester:0.2-3.0 Third Trimester:0.3-3.0	ECLIA



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Reported : 11-Nov-2023 / 14:02

Interpretation:

A thyroid panel is used to evaluate thyroid function and/or help diagnose various thyroid disorders.

Clinical Significance:

- 1)TSH Values between high abnormal upto 15 microIU/ml should be correlated clinically or repeat the test with new sample as physiological factors can give falsely high TSH.
- 2)TSH values may be transiently altered because of non thyroidal illness like severe infections,liver disease, renal and heart severe burns, trauma and surgery etc.

TSH	FT4 / T4	FT3 / T3	Interpretation
High	Normal	Normal	Subclinical hypothyroidism, poor compliance with thyroxine, drugs like amiodarone. Recovery phase of non-thyroidal illness, TSH Resistance.
High	Low	Low	Hypothyroidism, Autoimmune thyroiditis, post radio iodine Rx, post thyroidectomy, Anti thyroid drugs, tyrosine kinase inhibitors & amiodarone, amyloid deposits in thyroid, thyroid tumors & congenital hypothyroidism,
Low	High	High	Hyperthyroidism, Graves disease, toxic multinodular goiter, toxic adenoma, excess iodine or thyroxine intake, pregnancy related (hyperemesis gravidarum, hydatiform mole)
Low	Normal	Normal	Subclinical Hyperthyroidism, recent Rx for Hyperthyroidism, drugs like steroids & dopamine), Non thyroidal illness.
Low	Low	Low	Central Hypothyroidism, Non Thyroidal illness, Recent Rx for Hyperthyroidism.
High	High	High	Interfering anti TPO antibodies, Drug interference: Amiodarone, Heparin, Beta Blockers, steroids & anti epileptics.

Diurnal Variation:TSH follows a diurnal rhythm and is at maximum between 2 am and 4 am , and is at a minimum between 6 pm and 10 pm. The variation is on the order of 50 to 206%. Biological variation:19.7%(with in subject variation)

Reflex Tests:Anti thyroid Antibodies,USG Thyroid ,TSH receptor Antibody, Thyroglobulin, Calcitonin

Limitations:

1. Samples should not be taken from patients receiving therapy with high biotin doses (i.e. >5 mg/day) until atleast 8 hours following the last biotin administration.
2. Patient samples may contain heterophilic antibodies that could react in immunoassays to give falsely elevated or depressed results. this assay is designed to minimize interference from heterophilic antibodies.

Reference:

- 1.O.koulouri et al, / Best Practice and Research clinical Endocrinology and Metabolism 27(2013)
- 2.Interpretation of the thyroid function tests, Dayan et al. THE LANCET . Vol 357
- 3.Tietz ,Text Book of Clinical Chemistry and Molecular Biology -5th Edition
- 4.Biological Variation:From principles to Practice-Callum G Fraser (AACC Press)

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD G B Road Lab, Thane West
*** End Of Report ***



J. Mujawar

Dr.IMRAN MUJAWAR
M.D (Path)
Pathologist



CID : 2331520831
 Name : MRS.SUJATHA GUGULOTHU
 Age / Gender : 31 Years / Female
 Consulting Dr. : -
 Reg. Location : G B Road, Thane West (Main Centre)

Collected : 11-Nov-2023 / 10:32
 Reported : 11-Nov-2023 / 12:14

MEDIWHEEL FULL BODY HEALTH CHECKUP FEMALE ABOVE 40/2D ECHO
LIVER FUNCTION TESTS

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
BILIRUBIN (TOTAL), Serum	0.5	0.1-1.2 mg/dl	Diazo
BILIRUBIN (DIRECT), Serum	0.19	0-0.3 mg/dl	Diazo
BILIRUBIN (INDIRECT), Serum	0.31	0.1-1.0 mg/dl	Calculated
TOTAL PROTEINS, Serum	7.6	6.4-8.3 g/dL	Biuret
ALBUMIN, Serum	4.7	3.5-5.2 g/dL	BCG
GLOBULIN, Serum	2.9	2.3-3.5 g/dL	Calculated
A/G RATIO, Serum	1.6	1 - 2	Calculated
SGOT (AST), Serum	18.5	5-32 U/L	IFCC without pyridoxal phosphate activation
SGPT (ALT), Serum	16.6	5-33 U/L	IFCC without pyridoxal phosphate activation
GAMMA GT, Serum	14.4	3-40 U/L	IFCC
ALKALINE PHOSPHATASE, Serum	70.4	35-105 U/L	PNPP

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD G B Road Lab, Thane West
 *** End Of Report ***



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