SUBURBAN DIAGNOSTICS
PRECISE TESTING · HEALTHIER LIVING

Authenticity Check

Use a QR Code Scanner Application To Scan the Code

REPORT

CID	: 2128243994		
Name	: MRS.SAARANG GOVANDE		
Age / Gender	: 40 Years / Female		
Consulting Dr.	: -	**Collected**	: 09-Oct-2021 / 08:32
Reg. Location	: Vashi (Main Centre)	**Reported**	: 09-Oct-2021 / 12:13

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

CBC (Complete Blood Count), Blood

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
RBC PARAMETERS			
Haemoglobin	**11.8**	12.0-15.0 g/dL	Spectrophotometric
RBC	4.40	3.8-4.8 mil/cmm	Elect. Impedance
PCV	37.0	36-46 %	Measured
MCV	84	80-100 fl	Calculated
MCH	**26.8**	27-32 pg	Calculated
MCHC	31.9	31.5-34.5 g/dL	Calculated
RDW	13.9	11.6-14.0 %	Calculated
WBC PARAMETERS			
WBC Total Count	5150	4000-10000 /cmm	Elect. Impedance
WBC DIFFERENTIAL AND ABSOLUTE COUNTS			
Lymphocytes	26.2	20-40 %	
Absolute Lymphocytes	1349.3	1000-3000 /cmm	Calculated
Monocytes	6.3	2-10 %	
Absolute Monocytes	324.5	200-1000 /cmm	Calculated
Neutrophils	64.5	40-80 %	
Absolute Neutrophils	3321.8	2000-7000 /cmm	Calculated
Eosinophils	2.2	1-6 %	
Absolute Eosinophils	113.3	20-500 /cmm	Calculated
Basophils	0.8	0.1-2 %	
Absolute Basophils	41.2	20-100 /cmm	Calculated
Immature Leukocytes	-		

WBC Differential Count by Absorbance & Impedance method/Microscopy.

PLATELET PARAMETERS			
Platelet Count	269000	150000-400000 /cmm	Elect. Impedance
MPV	8.6	6-11 fl	Calculated
PDW	13.4	11-18 %	Calculated
RBC MORPHOLOGY			
Hypochromia	-		
Microcytosis	-		
Macrocytosis	-		

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Reg. Location	: Vashi (Main Centre)	**Reported**	: 09-Oct-2021 / 11:51

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

Specimen: EDTA Whole Blood

ESR, EDTA WB-ESR	12	2-20 mm at 1 hr.	Westergren

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Panvel Lab, Panvel East

*** End Of Report ***

SUBURBAN DIAGNOSTICS (I) PVT. LTD.

Dr.TEJASWINI DHOTE
M.D. (PATH)
Pathologist

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Consulting Dr.	: -	**Collected**	: 09-Oct-2021 / 08:32
Reg. Location	: Vashi (Main Centre)	**Reported**	: 09-Oct-2021 / 12:51

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
GLUCOSE (SUGAR) FASTING, Fluoride Plasma	89.7	Non-Diabetic: < 100 mg/dl Impaired Fasting Glucose: 100-125 mg/dl Diabetic: >/= 126 mg/dl	Hexokinase
GLUCOSE (SUGAR) PP, Fluoride Plasma - PP/R	124.5	Non-Diabetic: < 140 mg/dl Impaired Glucose Tolerance: 140-199 mg/dl Diabetic: >/= 200 mg/dl	Hexokinase
BILIRUBIN (TOTAL), Serum	0.4	0.1-1.2 mg/dl	Colorimetric
BILIRUBIN (DIRECT), Serum	0.18	0-0.3 mg/dl	Diazo
BILIRUBIN (INDIRECT), Serum	0.22	0.1-1.0 mg/dl	Calculated
SGOT (AST), Serum	12.5	5-32 U/L	NADH (w/o P-5-P)
SGPT (ALT), Serum	10.6	5-33 U/L	NADH (w/o P-5-P)
ALKALINE PHOSPHATASE, Serum	89.3	35-105 U/L	Colorimetric
BLOOD UREA, Serum	20.0	12.8-42.8 mg/dl	Kinetic
BUN, Serum	9.3	6-20 mg/dl	Calculated
CREATININE, Serum	0.72	0.51-0.95 mg/dl	Enzymatic
eGFR, Serum	95	>60 ml/min/1.73sqm	Calculated
URIC ACID, Serum	4.1	2.4-5.7 mg/dl	Enzymatic

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Panvel Lab, Panvel East

*** End Of Report ***

SUBURBAN DIAGNOSTICS (I) PVT. LTD.

Dr.TEJASWINI DHOTE
M.D. (PATH)
Pathologist

CID	: 2128243994		
Name	: MRS.SAARANG GOVANDE		
Age / Gender	: 40 Years / Female		
Consulting Dr.	: -	**Collected**	: 09-Oct-2021 / 08:32
Reg. Location	: Vashi (Main Centre)	**Reported**	: 09-Oct-2021 / 17:19

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

GLYCOSYLATED HEMOGLOBIN (HbA1c)

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
Glycosylated Hemoglobin (HbA1c), EDTA WB - CC	5.5	Non-Diabetic Level: < 5.7 % Prediabetic Level: 5.7-6.4 % Diabetic Level: >/= 6.5 %	HPLC
Estimated Average Glucose (eAG), EDTA WB - CC	111.2	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 CPL, Andheri West

*** End Of Report ***

MC-2111

M.Sharma
Dr.MEGHA SHARMA
M.D. (PATH), DNB (PATH)
Pathologist

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Reg. Location	: Vashi (Main Centre)	**Reported**	: 09-Oct-2021 / 13:24

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE
URINE EXAMINATION REPORT

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
PHYSICAL EXAMINATION			
Color	Pale yellow	Pale Yellow	-
Reaction (pH)	Acidic (6.5)	4.5 - 8.0	Chemical Indicator
Specific Gravity	1.015	1.001-1.030	Chemical Indicator
Transparency	Clear	Clear	-
Volume (ml)	30	-	-
CHEMICAL EXAMINATION			
Proteins	Absent	Absent	pH Indicator
Glucose	Absent	Absent	GOD-POD
Ketones	Absent	Absent	Legals Test
Blood	Absent	Absent	Peroxidase
Bilirubin	Absent	Absent	Diazonium Salt
Urobilinogen	Normal	Normal	Diazonium Salt
Nitrite	Absent	Absent	Griess Test
MICROSCOPIC EXAMINATION			
Leukocytes(Pus cells)/hpf	0-1	0-5/hpf	
Red Blood Cells / hpf	Absent	0-2/hpf	
Epithelial Cells / hpf	2-4		
Casts	Absent	Absent	
Crystals	Absent	Absent	
Amorphous debris	Absent	Absent	
Bacteria / hpf	4-6	Less than 20/hpf	

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Panvel Lab, Panvel East

*** End Of Report ***

SUBURBAN DIAGNOSTICS (I) PVT. LTD.

Dr.TEJASWINI DHOTE
M.D. (PATH)
Pathologist

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Consulting Dr.	: -	**Collected**	: 09-Oct-2021 / 08:32
Reg. Location	: Vashi (Main Centre)	**Reported**	: 09-Oct-2021 / 20:55

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE
BLOOD GROUPING & Rh TYPING

PARAMETER	RESULTS
ABO GROUP	B
Rh TYPING	NEGATIVE

NOTE: Test performed by automated column agglutination technology (CAT) which is more sensitive than conventional methods.

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.

Refernces:

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

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD CPL, Andheri West

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MC-2111

Dr.MILLU JAIN
M.D.(PATH)
Pathologist

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Age / Gender	: 40 Years / Female		
Consulting Dr.	: -	**Collected**	: 09-Oct-2021 / 08:32
Reg. Location	: Vashi (Main Centre)	**Reported**	: 09-Oct-2021 / 12:52

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

LIPID PROFILE

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
CHOLESTEROL, Serum	158.2	Desirable: <200 mg/dl Borderline High: 200-239mg/dl High: >/=240 mg/dl	Enzymatic
TRIGLYCERIDES, Serum	52.9	Normal: <150 mg/dl Borderline-high: 150 - 199 mg/dl High: 200 - 499 mg/dl Very high:>/=500 mg/dl	Enzymatic
HDL CHOLESTEROL, Serum	42.6	Desirable: >60 mg/dl Borderline: 40 - 60 mg/dl Low (High risk): <40 mg/dl	Enzymatic
NON HDL CHOLESTEROL, Serum	115.6	Desirable: <130 mg/dl Borderline-high:130 - 159 mg/dl High:160 - 189 mg/dl Very high: >/=190 mg/dl	Calculated
LDL CHOLESTEROL, Serum	**105.0**	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	Colorimetric
VLDL CHOLESTEROL, Serum	10.6	< /= 30 mg/dl	Calculated
CHOL / HDL CHOL RATIO, Serum	3.7	0-4.5 Ratio	Calculated
LDL CHOL / HDL CHOL RATIO, Serum	2.5	0-3.5 Ratio	Calculated

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Panvel Lab, Panvel East

*** End Of Report ***

SUBURBAN DIAGNOSTICS (I) PVT. LTD.

Dr.TEJASWINI DHOTE
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Name	: MRS.SAARANG GOVANDE		
Age / Gender	: 40 Years / Female		
Consulting Dr.	: -	**Collected**	: 09-Oct-2021 / 08:32
Reg. Location	: Vashi (Main Centre)	**Reported**	: 09-Oct-2021 / 12:24

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

THYROID FUNCTION TESTS

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
Free T3, Serum	4.8	3.5-6.5 pmol/L	ECLIA
Free T4, Serum	16.6	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	2.44	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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REPORT

CID	: 2128243994		
Name	: MRS.SAARANG GOVANDE		
Age / Gender	: 40 Years / Female		
Consulting Dr.	: -	**Collected**	: 09-Oct-2021 / 08:32
Reg. Location	: Vashi (Main Centre)	**Reported**	: 09-Oct-2021 / 12:24

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

Clinical Significance:
1)TSH Values between 5.5 to 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 trasiently altered becuase 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: 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.

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)

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*** End Of Report ***

SUBURBAN DIAGNOSTICS (I) PVT. LTD.

Dr.TEJASWINI DHOTE
M.D. (PATH)
Pathologist

CID	: 2128243994	SID	: 177804252615
Name	: Mr SAARANG GOVANDE	Registered	: 09-Oct-2021 / 11:31
Age / Sex	: 40 Years / Male	Reported	: 11-Oct-2021 / 09:57
Ref. Dr	:	Printed	: 11-Oct-2021 / 09:57
Reg.Location	: Vashi Main Centre		

USG WHOLE ABDOMEN(TVS)

LIVER:
The liver is normal in size, shape and smooth margins. It shows normal parenchymal echo pattern.The intra hepatic biliary and portal radical appear normal. No evidence of any intra hepatic cystic or solid lesion seen.The main portal vein and CBD appears normal.

GALL BLADDER:
The gall bladder is physiologically distended and appears normal.No evidence of gall stones or mass lesions seen

PANCREAS:
The pancreas is well visualised and appears normal. No evidence of solid or cystic mass lesion.

KIDNEYS:
Both the kidneys are normal in size shape and echotexture.
No evidence of any calculus,hydronephrosis or mass lesion seen.
Right kidney measures 8.5 x 3.4 cm. Left kidney measures 9.2 x 4.7 cm.

SPLEEN:
The spleen is normal in size and echotexture.No evidence of focal lesion is noted.
There is no evidence of any lymphadenopathy or ascites.

URINARY BLADDER:
The urinary bladder is well distended and reveal no intraluminal abnormality.

UTERUS:
The uterus is anteverted and appears bulky.It measures 10.7 x 4.5 x 5.9 cm in size.Posterior wall intramural fibroid of size 18 x 20 mm is noted.Posterior myometrial cyst of size 8.9 mm is seen.The endometrial thickness is 10.9 mm.Multiple nabothian cysts are seen in the cervix of average size 6.3 mm.

CID	: 2128243994	SID	: 177804252615
Name	: Mr SAARANG GOVANDE	Registered	: 09-Oct-2021 / 11:31
Age / Sex	: 40 Years / Male	Reported	: 11-Oct-2021 / 09:57
Ref. Dr	:	Printed	: 11-Oct-2021 / 09:57
Reg.Location	: Vashi Main Centre		

OVARIES:

Both the ovaries are well visualised .Right ovary shows two simple cysts of sizes 26 x 22 mm and 18.8 x 18.5 mm.Left ovary shows a simple cyst of size 22 mm.
There is no evidence of any ovarian or adnexal mass seen.
Right ovary = 4.3 x 2.8 cm Left ovary = 3.9 x 2.3 cm

IMPRESSION:-

Bulky uterus with fibroid and posterior myometrial cyst.
Nabothian cysts in the cervix.
Bilateral simple ovarian cysts.

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

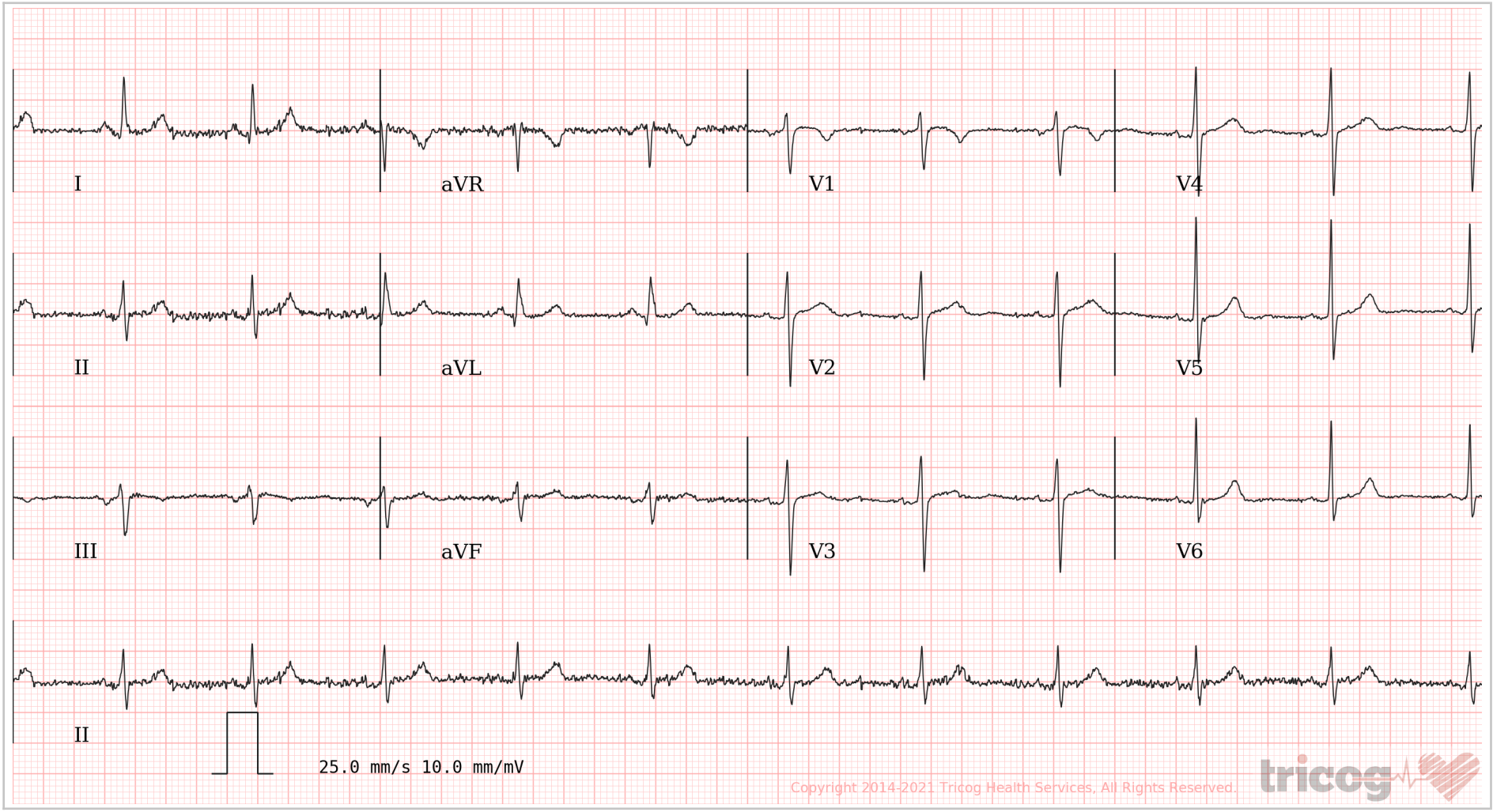
Dr Shilpa Beri
MBBS DMRE
Reg No 2002/05/2302
Consultant Radiologist

SUBURBAN DIAGNOSTICS
PRECISE TESTING · HEALTHIER LIVING

SUBURBAN DIAGNOSTICS - VASHI

Patient Name: SAARANG GOVANDE
Patient ID: 2128243994

Date and Time: 9th Oct 21 9:00 AM



Age 40 years 7 months 29 days

Gender **Male**

Heart Rate **68 bpm**

Patient Vitals

BP:	NA
Weight:	NA
Height:	NA
Pulse:	NA
Spo2:	NA
Resp:	NA
Others:	

Measurements

QSRD:	74 ms
QT:	374 ms
QTc:	397 ms
PR:	136 ms
P-R-T:	7° -4° 20°

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

REPORTED BY

Dr.Anand N Motwani
M.D (General Medicine)
Reg No 39329 M.M.C