

**CERTIFICATE OF MEDICAL FITNESS**

NAME: Santamur Choudhary.

AGE/ GENDER: 52y / m.

HEIGHT: 161cm

WEIGHT: 73.6kg

IDENTIFICATION MARK: \_\_\_\_\_

BLOOD PRESSURE: 120/90/60/140

PULSE: 70/min

CVS: Normal

RS:P

ANY OTHER DISEASE DIAGNOSED IN THE PAST: Nil

ALLERGIES, IF ANY: Nil

LIST OF PRESCRIBED MEDICINES: Nil

ANY OTHER REMARKS: Nil

I Certify that I have carefully examined Mr/Mrs. Santamur Choudhary son/daughter of Ms. Mano Rajan Choudhary who has signed in my presence. He/ she has no physical disease and is fit for employment.



Signature of candidate

Dr. BINDURA. I. R  
MBBS, MD  
Internal Medicine

Signature of Medical Officer

Place: Spectrum Diagnostics & Health Care

Date: 23/12/23

**Disclaimer: The patient has not been checked for COVID. This certificate does not relate to the covid status of the patient examined**



Dr. Ashok S  
Bsc., MBBS., D.O.M.S  
Consultant Ophthalmologist  
KMC No: 31827

DATE: 23/2/23

**EYE EXAMINATION**

NAME: *Ms. Sanjanna Choudhary* AGE: *53y.* GENDER: F / M

	RIGHT EYE	LEFT EYE
Vision	<i>6/18:0/10</i>	<i>6/18:0/10</i>
Vision With glass	<i>6/6:0/6</i>	<i>6/6:0/6</i>
Color Vision	Normal	Normal
Anterior segment examination	Normal	Normal
Fundus Examination	Normal	Normal
Any other abnormality	Nil	Nil
Diagnosis/ impression	Normal	Normal

*Dr. Ashok Sarode*  
Dr. ASHOK SARODE  
B.Sc., M.B.B.S., D.O.M.S.  
Eye Consultant & Surgeon  
KMC 31827  
Consultant (Ophthalmologist)



ID: 2230031

23-12-2023 12:04:44

For BPL

SANTANU CHOWDHURY

Male 52Years

HR : 72 bpm

P : 97 ms

PR : 135 ms

QRS : 103 ms

QT/QTc : 377/415 ms

P/ORS/T : 61/56/-1 °

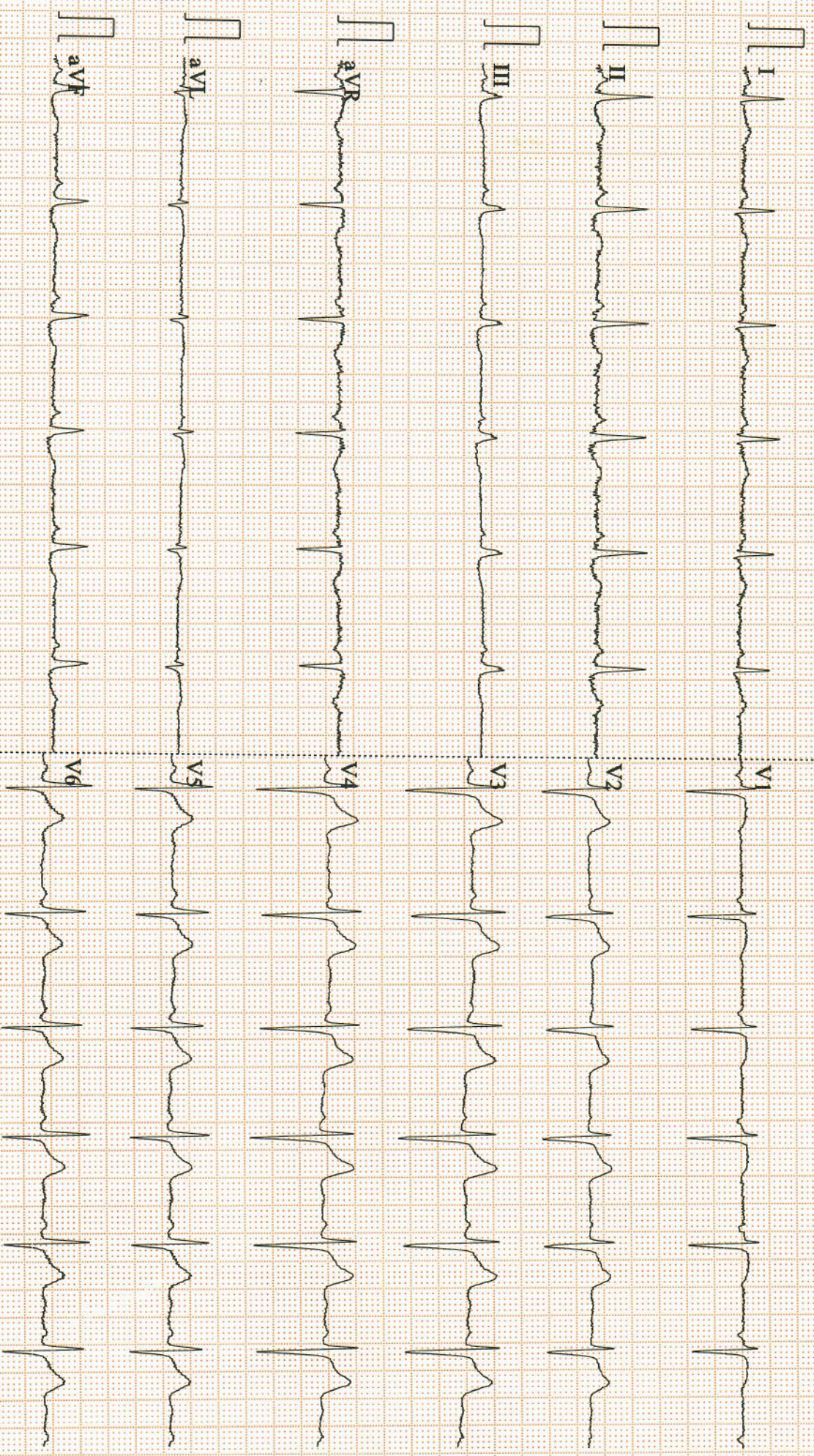
RV5/SV1 : 0.699/0.968 mV

Diagnosis Information:

Sinus Arrhythmia

Larged PtfV1

Report Confirmed by:



0.15~35Hz AC50 25mm/s 10mm/mV 2\*5.0s 72 V2.2 SEMIP V1.81 SPECTRUM DIAGNOSTICS & HEALTH CARE

<b>NAME : MR. SANTANU CHOWDHURY</b>	<b>DATE :22/12/2023</b>
<b>AGE/SEX : 52 YEARS/MALE</b>	<b>REG NO:2230040</b>
<b>REF BY : APOLO CLINIC</b>	

## **CHEST PA VIEW**


Lung fields are clear.

Cardiovascular shadows are within normal limits.

Both CP angles are free.

Domes of diaphragm and bony thoracic cage are normal.

**IMPRESSION: NORMAL CHEST RADIOGRAPH.**



**DR.RAM PRAKASH G MDRD  
CONSULTANT RADIOLOGIST**

*Your suggestion / feedback is a valuable input for improving our services*



<b>Name</b> : MR. SANTANU CHOWDHURY	<b>UHID</b> : 2312230040	<b>Bill Date</b> : 23-Dec-2023 09:27 AM
<b>Age / Gender</b> : 52 years / Male	 2312230040	<b>Sample Col. Date</b> : 23-Dec-2023 09:27 AM
<b>Ref. By Dr.</b> : Dr. APOLO CLINIC		<b>Result Date</b> : 23-Dec-2023 02:33 PM
<b>Reg. No.</b> : 2312230040		<b>Report Status</b> : Final
<b>C/o</b> : Apollo Clinic		

Test Name	Result	Unit	Reference Value	Method
<b>Fasting Blood Sugar (FBS)-Plasma</b>	88	mg/dL	60.0-110.0	Hexo Kinase

**Comments:** Glucose, also called dextrose, one of a group of carbohydrates known as simple sugars (monosaccharides). Glucose has the molecular formula  $C_6H_{12}O_6$ . It is found in fruits and honey and is the major free sugar circulating in the blood of higher animals. It is the source of energy in cell function, and the regulation of its metabolism is of great importance (fermentation; gluconeogenesis). Molecules of starch, the major energy-reserve carbohydrate of plants, consist of thousands of linear glucose units. Another major compound composed of glucose is cellulose, which is also linear. Dextrose is the molecule D-glucose. Blood sugar, or glucose, is the main sugar found in the blood. It comes from the food you eat, and it is body's main source of energy. The blood carries glucose to all of the body's cells to use for energy. Diabetes is a disease in which your blood sugar levels are too high. Usage: Glucose determinations are useful in the detection and management of Diabetes mellitus.

Note: Additional tests available for Diabetic control are Glycated Hemoglobin (HbA1c), Fructosamine & Microalbumin urine

Comments: Conditions which can lead to lower postprandial glucose levels as compared to fasting glucose are excessive insulin release, rapid gastric emptying & brisk glucose absorption.

Probable causes : Early Type II Diabetes / Glucose intolerance, Drugs like Salicylates, Beta blockers, Pentamidine etc., Alcohol ,Dietary – Intake of excessive carbohydrates and foods with high glycemic index ? Exercise in between samples ? Family history of Diabetes, Idiopathic, Partial / Total Gastrectomy.

<b>Post prandial Blood Glucose (PPBS)-Plasma</b>	91	mg/dL	70-140	Hexo Kinase
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### Glycosylated Haemoglobin (HbA1c)-Whole Blood EDTA



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C/o	: Apollo Clinic	Report Status	: Final

Test Name	Result	Unit	Reference Value	Method
Glycosylated Haemoglobin (HbA1c)	6.30	%	Non diabetic adults :<5.7 At risk (Prediabetes) : 5.7 - 6.4 Diagnosing Diabetes :>= 6.5 Diabetes Excellent Control : 6-7 Fair to good Control : 7-8 Unsatisfactory Control :8-10 Poor Control :>10	HPLC
Estimated Average Glucose(eAG)	134.11	mg/dL		Calculated

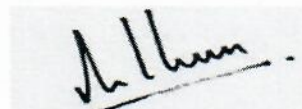
**Note:** 1. Since HbA1c reflects long term fluctuations in the blood glucose concentration, a diabetic patient who is recently under good control may still have a high concentration of HbA1c. Converse is true for a diabetic previously under good control but now poorly controlled.

2. Target goals of < 7.0 % may be beneficial in patients with short duration of diabetes, long life expectancy and no significant cardiovascular disease. In patients with significant complications of diabetes, limited life expectancy or extensive co-morbid conditions, targeting a goal of < 7.0 % may not be appropriate.

**Comments:** HbA1c provides an index of average blood glucose levels over the past 8 - 12 weeks and is a much better indicator of long term glyceimic control as compared to blood and urinary glucose determinations.



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Dr. Nithun Reddy C,MD,Consultant Pathologist

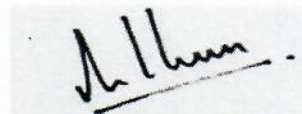


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Test Name	Result	Unit	Reference Value	Method
<b>KFT ( Kidney Function Test ) :</b>				
Blood Urea Nitrogen (BUN)-Serum	7.00	mg/dL	7.0-18.0	GLDH,Kinetic Assay
Creatinine-Serum	1.00	mg/dL	Male: 0.70-1.30 Female: 0.55-1.02	Modified kinetic Jaffe
Uric Acid-Serum	4.98	mg/dL	Male: 3.50-7.20 Female: 2.60-6.00	Uricase PAP
Sodium (Na+)-Serum	138.3	mmol/L	135.0-145.0	Ion-Selective Electrodes (ISE)
Potassium (K+)-Serum	4.46	mmol/L	3.5 to 5.5	Ion-Selective Electrodes (ISE)
Chloride(Cl-)-Serum	101.80	mmol/L	94.0-110.0	Ion-Selective Electrodes (ISE)



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Test Name	Result	Unit	Reference Value	Method
<b>Lipid Profile-Serum</b>				
Cholesterol Total-Serum	212.00	mg/dL	Male: 0.0 - 200	Cholesterol Oxidase/Peroxidase
Triglycerides-Serum	172.00	mg/dL	Male: 0.0 - 150	Lipase/Glycerol Dehydrogenase
High-density lipoprotein (HDL) Cholesterol-Serum	45.00	mg/dL	Male: 40.0 - 60.0	Accelerator/Selective Detergent
Non-HDL cholesterol-Serum	167	mg/dL	Male: 0.0 - 130	Calculated
Low-density lipoprotein (LDL) Cholesterol-Serum	133	mg/dL	Male: 0.0 - 100.0	Cholesterol esterase and cholesterol oxidase
Very-low-density lipoprotein (VLDL) cholesterol-Serum	34	mg/dL	Male: 0.0 - 40	Calculated
Cholesterol/HDL Ratio-Serum	4.71	Ratio	Male: 0.0 - 5.0	Calculated

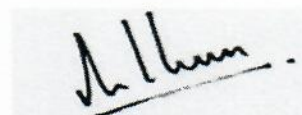
**Interpretation:**

Parameter	Desirable	Borderline High	High	Very High
Total Cholesterol	<200	200-239	>240	
Triglycerides	<150	150-199	200-499	>500
Non-HDL cholesterol	<130	160-189	190-219	>220
Low-density lipoprotein (LDL) Cholesterol	<100	100-129	160-189	>190

**Comments:** As per Lipid Association of India (LAI), for routine screening, overnight fasting preferred but not mandatory. Indians are at very high risk of developing Atherosclerotic Cardiovascular (ASCVD). Among the various risk factors for ASCVD such as dyslipidemia, Diabetes Mellitus, sedentary lifestyle, Hypertension, smoking etc., dyslipidemia has the highest population attributable risk for MI both because of direct association with disease pathogenesis and very high prevalence in Indian population. Hence monitoring lipid profile regularly for effective management of dyslipidemia remains one of the most important healthcare targets for prevention of ASCVD. In addition, estimation of ASCVD risk is an essential, initial step in the management of individuals requiring primary prevention of ASCVD. In the context of lipid management, such a risk estimate forms the basis for several key therapeutic decisions, such as the need for and aggressiveness of statin therapy.



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Test Name	Result	Unit	Reference Value	Method
<b>Gamma-Glutamyl Transferase (GGT)-Serum</b>	21.00	U/L	Male: 15.0-85.0 Female: 5.0-55.0	Other g-Glut-3-carboxy-4 nitro

**Comments:** Gamma-glutamyltransferase (GGT) is primarily present in kidney, liver, and pancreatic cells. Small amounts are present in other tissues. Even though renal tissue has the highest level of GGT, the enzyme present in the serum appears to originate primarily from the hepatobiliary system, and GGT activity is elevated in any and all forms of liver disease. It is highest in cases of intra- or posthepatic biliary obstruction, reaching levels some 5 to 30 times normal. GGT is more sensitive than alkaline phosphatase (ALP), leucine aminopeptidase, aspartate transaminase, and alanine aminotransferase in detecting obstructive jaundice, cholangitis, and cholecystitis; its rise occurs earlier than with these other enzymes and persists longer. Only modest elevations (2-5 times normal) occur in infectious hepatitis, and in this condition, GGT determinations are less useful diagnostically than are measurements of the transaminases. High elevations of GGT are also observed in patients with either primary or secondary (metastatic) neoplasms. Elevated levels of GGT are noted not only in the sera of patients with alcoholic cirrhosis but also in the majority of sera from persons who are heavy drinkers. Studies have emphasized the value of serum GGT levels in detecting alcohol-induced liver disease. Elevated serum values are also seen in patients receiving drugs such as phenytoin and phenobarbital, and this is thought to reflect induction of new enzyme activity.

**LFT-Liver Function Test -Serum**

<b>Bilirubin Total-Serum</b>	0.60	mg/dL	0.2-1.0	Caffeine Benzoate
<b>Bilirubin Direct-Serum</b>	0.13	mg/dL	0.0-0.2	Diazotised Sulphanilic Acid
<b>Bilirubin Indirect-Serum</b>	0.47	mg/dL	0.0-1.10	Direct Measure
<b>Aspartate Aminotransferase (AST/SGOT)-Serum</b>	23.00	U/L	15.0-37.0	UV with Pyridoxal - 5 - Phosphate
<b>Alanine Aminotransferase (ALT/SGPT)-Serum</b>	20.00	U/L	Male:16.0-63.0 Female:14.0-59.0	UV with Pyridoxal - 5 - Phosphate
<b>Alkaline Phosphatase (ALP)-Serum</b>	80.00	U/L	Adult: 45.0-117.0 Children: 48.0-445.0 Infants: 81.90-350.30	PNPP,AMP-Buffer
<b>Protein, Total-Serum</b>	7.25	g/dL	6.40-8.20	Biuret/Endpoint-With Blank
<b>Albumin-Serum</b>	4.30	g/dL	3.40-5.00	Bromocresol Purple

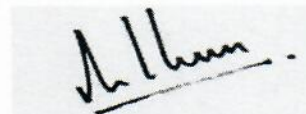


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Test Name	Result	Unit	Reference Value	Method
Globulin-Serum	2.95	g/dL	2.0-3.50	Calculated
Albumin/Globulin Ratio-Serum	1.46	Ratio	0.80-1.20	Calculated



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Page 6 of 11



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Test Name	Result	Unit	Reference Value	Method
<b>Thyroid function tests (TFT)- Serum</b>				
Tri-Iodo Thyronine (T3)-Serum	0.93	ng/mL	Male: 0.60 - 1.81	Chemiluminescence Immunoassay (CLIA)
Thyroxine (T4)-Serum	8.0	µg/dL	Male: 5.50 - 12.10	Chemiluminescence Immunoassay (CLIA)
Thyroid Stimulating Hormone (TSH)-Serum	2.04	µIU/mL	Male: 0.35 - 5.50	Chemiluminescence Immunoassay (CLIA)

**Comments:**Triiodothyronine (T3) assay is a useful test for hyperthyroidism in patients with low TSH and normal T4 levels. It is also used for the diagnosis of T3 toxicosis. It is not a reliable marker for Hypothyroidism. This test is not recommended for general screening of the population without a clinical suspicion of hyperthyroidism.

Reference range: Cord: (37 Weeks): 0.5-1.41, Children:1-3 Days: 1.0-7.40,1-11 Months: 1.05-2.45,1-5 Years: 1.05-2.69,6-10 Years: 0.94-2.41,11-15 Years: 0.82-2.13,Adolescents (16-20 Years): 0.80-2.10

Reference range: Adults: 20-50 Years: 0.70-2.04, 50-90 Years: 0.40-1.81,

Reference range in Pregnancy: First Trimester : 0.81-1.90,Second Trimester : 1.0-2.60

**Increased Levels:** Pregnancy, Graves disease, T3 thyrotoxicosis, TSH dependent Hyperthyroidism, increased Thyroid-binding globulin (TBG).

**Decreased Levels:** Nonthyroidal illness, hypothyroidism , nutritional deficiency, systemic illness, decreased Thyroid-binding globulin (TBG).

**Comments:**Total T4 levels offer a good index of thyroid function when TBG is normal and non-thyroidal illness is not present. This assay is useful for monitoring treatment with synthetic hormones (synthetic T3 will cause low total T4).It also helps to monitor treatment of Hyperthyroidism with Thiouracil or other anti-thyroid drugs.

Reference Range: Males : 4.6-10.5,Females : 5.5-11.0,> 60 Years: 5.0-10.70,Cord :7.40-13.10,Children:1-3 Days :11.80-22.60,1-2 Weeks : 9.90-16.60,1-4 Months: 7.20-14.40,1-5 Years : 7.30-15.0,5-10 Years: 6.4-13.3

1-15 Years: 5.60-11.70,Newborn Screen:1-5 Days: >7.5,6 Days : >6.5

**Increased Levels:** Hyperthyroidism, increased TBG, familial dysalbuminemic hyperthyroxinemia,Increased transthyretin, estrogen therapy, pregnancy.

**Decreased Levels:** Primary hypothyroidism, pituitary TSH deficiency, hypothalamic TRH deficiency, non thyroidal illness, decreased TBG.

**Comments:**TSH is a glycoprotein hormone secreted by the anterior pituitary. TSH is a labile hormone & is secreted in a pulsatile manner throughout the day and is subject to several non-thyroidal pituitary influences. Significant variations in TSH can occur with circadian rhythm, hormonal status, stress, sleep deprivation, caloric intake, medication & circulating antibodies. It is important to confirm any TSH abnormality in a fresh specimen drawn after ~ 3 weeks before assigning a diagnosis, as the cause of an isolated TSH abnormality.

Reference range in Pregnancy: I- trimester:0.1-2.5; II -trimester:0.2-3.0; III- trimester:0.3-3.0

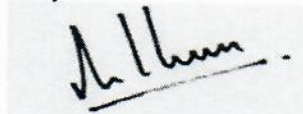
Reference range in Newborns: 0-4 days: 1.0-39.0; 2-20 Weeks:1.7-9.1

**Increased Levels:** Primary hypothyroidism, Subclinical hypothyroidism, TSH dependent Hyperthyroidism and Thyroid hormone resistance.

**Decreased Levels:** Graves disease, Autonomous thyroid hormone secretion, TSH deficiency.



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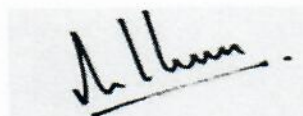
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Test Name	Result	Unit	Reference Value	Method
<b>Urine Routine Examination-Urine</b>				
<b>Physical Examination</b>				
Colour	Pale Yellow		Pale Yellow	Visual
Appearance	Clear		Clear	Visual
Reaction (pH)	5.50		5.0-7.5	Dipstick
Specific Gravity	1.025		1.000-1.030	Dipstick
<b>Biochemical Examination</b>				
Albumin	Negative		Negative	Dipstick/Precipitation
Glucose	Negative		Negative	Dipstick/Benedicts
Bilirubin	Negative		Negative	Dipstick/Fouchets
Ketone Bodies	Negative		Negative	Dipstick/Rotheras
Urobilinogen	Normal		Normal	Dipstick/Ehrlichs
Nitrite	Negative		Negative	Dipstick
<b>Microscopic Examination</b>				
Pus Cells	2-3	hpf	0.0-5.0	Microscopy
Epithelial Cells	2-3	hpf	0.0-10.0	Microscopy
RBCs	4-6	hpf	Absent	Microscopy
Casts	Absent		Absent	Microscopy
Crystals	Absent		Absent	Microscopy
Others	Absent		Absent	Microscopy

**Comments:** The kidneys help infiltration of the blood by eliminating waste out of the body through urine. They also regulate water in the body by conserving electrolytes, proteins, and other compounds. But due to some conditions and abnormalities in kidney function, the urine may encompass some abnormal constituents, which are not normally present. A complete urine examination helps in detecting such abnormal constituents in urine. Several disorders can be detected by identifying and measuring the levels of such substances. Blood cells, bilirubin, bacteria, pus cells, epithelial cells may be present in urine due to kidney disease or infection. Routine urine examination helps to diagnose kidney diseases, urinary tract infections, diabetes and other metabolic disorders.



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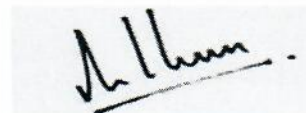
Test Name	Result	Unit	Reference Value	Method
<b>Blood Group &amp; Rh Typing-Whole Blood EDTA</b>				
Blood Group	B			Slide/Tube agglutination
Rh Type	Negative			Slide/Tube agglutination

Note: Confirm by tube or gel method.

Comments: ABO blood group system, the classification of human blood based on the inherited properties of red blood cells (erythrocytes) as determined by the presence or absence of the antigens A and B, which are carried on the surface of the red cells. Persons may thus have type A, type B, type O, or type AB blood.



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<b>C/o</b> : Apollo Clinic		

Test Name	Result	Unit	Reference Value	Method
<b>Complete Haemogram-Whole Blood EDTA</b>				
<b>Haemoglobin (HB)</b>	14.70	g/dL	Male: 14.0-17.0 Female:12.0-15.0 Newborn:16.50 - 19.50	Spectrophotometer
<b>Red Blood Cell (RBC)</b>	4.89	million/cumm	3.50 - 5.50	Volumetric Impedance
<b>Packed Cell Volume (PCV)</b>	41.70	%	Male: 42.0-51.0 Female: 36.0-45.0	Electronic Pulse
<b>Mean corpuscular volume (MCV)</b>	85.20	fL	78.0- 94.0	Calculated
<b>Mean corpuscular hemoglobin (MCH)</b>	30.20	pg	27.50-32.20	Calculated
<b>Mean corpuscular hemoglobin concentration (MCHC)</b>	35.40	%	33.00-35.50	Calculated
<b>Red Blood Cell Distribution Width SD (RDW-SD)</b>	44.20	fL	40.0-55.0	Volumetric Impedance
<b>Red Blood Cell Distribution CV (RDW-CV)</b>	15.60	%	Male: 11.80-14.50 Female:12.20-16.10	Volumetric Impedance
<b>Mean Platelet Volume (MPV)</b>	9.70	fL	8.0-15.0	Volumetric Impedance
<b>Platelet</b>	2.04	lakh/cumm	1.50-4.50	Volumetric Impedance
<b>Platelet Distribution Width (PDW)</b>	13.90	%	8.30 - 56.60	Volumetric Impedance
<b>White Blood cell Count (WBC)</b>	5080.00	cells/cumm	Male: 4000.0-11000.0 Female 4000.0-11000.0 Children: 6000.0-17500.0 Infants : 9000.0-30000.0	Volumetric Impedance



Name	: MR. SANTANU CHOWDHURY	Bill Date	: 23-Dec-2023 09:27 AM
Age / Gender	: 52 years / Male	UHID	: 2312230040
Ref. By Dr.	: Dr. APOLO CLINIC	Sample Col. Date	: 23-Dec-2023 09:27 AM
Reg. No.	: 2312230040	Result Date	: 23-Dec-2023 05:06 PM
C/o	: Apollo Clinic	Report Status	: Final

Test Name	Result	Unit	Reference Value	Method
Neutrophils	57.70	%	40.0-75.0	Light scattering/Manual
Lymphocytes	31.90	%	20.0-40.0	Light scattering/Manual
Eosinophils	6.80	%	0.0-8.0	Light scattering/Manual
Monocytes	3.10	%	0.0-10.0	Light scattering/Manual
Basophils	0.50	%	0.0-1.0	Light scattering/Manual
Absolute Neutrophil Count	2.93	10 <sup>3</sup> /uL	2.0- 7.0	Calculated
Absolute Lymphocyte Count	1.62	10 <sup>3</sup> /uL	1.0-3.0	Calculated
Absolute Monocyte Count	0.16	10 <sup>3</sup> /uL	0.20-1.00	Calculated
Absolute Eosinophil Count	340.00	cells/cumm	40-440	Calculated
Absolute Basophil Count	0.03	10 <sup>3</sup> /uL	0.0-0.10	Calculated
Erythrocyte Sedimentation Rate (ESR)	13.00	mm/hr	Female : 0.0-20.0 Male : 0.0-10.0	Westergren

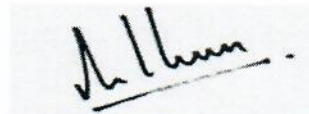
**Peripheral Smear Examination-Whole Blood EDTA**

Method: (Microscopy-Manual)

RBC'S : Normocytic Normochromic.  
WBC'S : Are normal in total number, morphology and distribution.  
Platelets : Adequate in number and normal in morphology.  
No abnormal cells or hemoparasites are present.  
Impression : Normocytic Normochromic Blood picture.



Printed By : spectrum  
Printed On : 23 Dec, 2023 07:01 pm



Dr. Nithun Reddy C, MD, Consultant Pathologist

