



**BMI CHART**

Date: 30/3/24

Name: Tanveer Sooma Age 32 yrs

Sex:  M /  F

BP: 130/80 mmHg Height (cms): 170 C.M Weight(Kgs): 98 Kg BMI: \_\_\_\_\_

WEIGHT lbs kgs	HEIGHT in/cm																														
	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42							
100 45.5	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42							
105 47.7	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42						
110 50.0	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42						
115 52.3	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42					
120 54.5	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42					
125 56.8	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42				
130 59.1	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42				
135 61.4	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42			
140 63.6	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42			
145 65.9	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42		
150 68.2	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42		
155 70.5	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	
160 72.7	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	
165 75.0	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
170 77.3	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
175 79.5	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
180 81.8	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
185 84.1	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
190 86.4	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
195 88.6	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
200 90.9	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
205 93.2	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
210 95.5	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
215 97.7	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42

Doctors Notes:

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Signature



UHID	11893183	Date	30/03/2024		
Name	Mr Tanveer Sarma	Sex	M	Age	32
OPD	Ophthal	Health Check-Up			

Chs NO

Hs NO

Drug allergy: → Not know  
 Sys illness: → NO  
 Habits → NO

Visual → RG 6/18P  
 → LG 6/36P (BL)

Ref → R - 1.25 / -0.75 X 180° 6/6  
 → L - 0.75 / -1.25 X 180° 6/6

NV → R NO  
 → L NO

FOP → RG → 15.7  
 → LG → 15.8

Apus  
 Same as P.U.P

All CL

\* Soft drops → (1) → (1) → (1) → (1)  
 Hmehs

Hiranandani Healthcare Pvt. Ltd.  
Mini Sea Shore Road, Sector 10 -A, Vashi, Navi Mumbai - 400703  
Board Line: 022 - 39199222 | Fax: 022 - 39199220  
Emergency: 022 - 39199100 | Ambulance: 1255  
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GST IN: 27AABCH5894D1ZG | PAN NO: AABCH5894D



Hiranandani  
HOSPITAL  
A Fortis Network Hospital

7387696540

UHID	11893183	Date	30/03/2024	
Name	Mr Tanveer Sarma	Sex	M	Age 32
OPD	Dental	Health Check-Up		

PMH-NRM  
O/e -  
Calculus +  
Stains +

Advice -  
Scaling

Drug allergy:  
Sys illness:

Dr. Sushmita

PATIENT NAME : MR.TANVEER SARMA

REF. DOCTOR :

CODE/NAME &amp; ADDRESS : C000045507

FORTIS VASHI-CHC -SPLZD  
 FORTIS HOSPITAL # VASHI,  
 MUMBAI 440001

ACCESSION NO : 0022XC006374

PATIENT ID : FH.11893183

CLIENT PATIENT ID: UID:11893183

ABHA NO :

AGE/SEX : 32 Years Male

DRAWN : 30/03/2024 09:54:00

RECEIVED : 30/03/2024 09:54:18

REPORTED : 30/03/2024 13:14:21

## CLINICAL INFORMATION :

UID:11893183 REQNO-1685425

CORP-OPD

BILLNO-150124OPCR018065

BILLNO-150124OPCR018065

Test Report Status	Final	Results	Biological Reference Interval	Units
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## HAEMATOTOLOGY - CBC

## CBC-5, EDTA WHOLE BLOOD

## BLOOD COUNTS, EDTA WHOLE BLOOD

HEMOGLOBIN (HB)	13.2	13.0 - 17.0	g/dL
METHOD : SLS METHOD			
RED BLOOD CELL (RBC) COUNT	4.21 Low	4.5 - 5.5	mil/ $\mu$ L
METHOD : HYDRODYNAMIC FOCUSING			
WHITE BLOOD CELL (WBC) COUNT	8.15	4.0 - 10.0	thou/ $\mu$ L
METHOD : FLUORESCENCE FLOW CYTOMETRY			
PLATELET COUNT	289	150 - 410	thou/ $\mu$ L
METHOD : HYDRODYNAMIC FOCUSING BY DC DETECTION			

## RBC AND PLATELET INDICES

HEMATOCRIT (PCV)	39.3 Low	40.0 - 50.0	%
METHOD : CUMULATIVE PULSE HEIGHT DETECTION METHOD			
MEAN CORPUSCULAR VOLUME (MCV)	93.3	83.0 - 101.0	fL
METHOD : CALCULATED PARAMETER			
MEAN CORPUSCULAR HEMOGLOBIN (MCH)	31.4	27.0 - 32.0	pg
METHOD : CALCULATED PARAMETER			
MEAN CORPUSCULAR HEMOGLOBIN CONCENTRATION(MCHC)	33.6	31.5 - 34.5	g/dL
METHOD : CALCULATED PARAMETER			
RED CELL DISTRIBUTION WIDTH (RDW)	12.6	11.6 - 14.0	%
METHOD : CALCULATED PARAMETER			
MENTZER INDEX	22.2		
METHOD : CALCULATED PARAMETER			
MEAN PLATELET VOLUME (MPV)	11.4 High	6.8 - 10.9	fL
METHOD : CALCULATED PARAMETER			

## WBC DIFFERENTIAL COUNT



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 (Reg.no. MMC 2019/09/6377)  
 Consultant Pathologist

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 CIN - U74899PB1995PLC045956  
 Email : -



Patient Ref. No. 2200000912281

**PATIENT NAME : MR.TANVEER SARMA**

**REF. DOCTOR :**

**CODE/NAME & ADDRESS : C000045507**  
 FORTIS VASHI-CHC -SPLZD  
 FORTIS HOSPITAL # VASHI,  
 MUMBAI 440001

**ACCESSION NO : 0022XC006374**  
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NEUTROPHILS		66	40.0 - 80.0	%
METHOD : FLOW CYTOMETRY WITH LIGHT SCATTERING				
LYMPHOCYTES		26	20.0 - 40.0	%
METHOD : FLOW CYTOMETRY WITH LIGHT SCATTERING				
MONOCYTES		7	2.0 - 10.0	%
METHOD : FLOW CYTOMETRY WITH LIGHT SCATTERING				
EOSINOPHILS		1	1 - 6	%
METHOD : FLOW CYTOMETRY WITH LIGHT SCATTERING				
BASOPHILS		0	0 - 2	%
METHOD : FLOW CYTOMETRY WITH LIGHT SCATTERING				
ABSOLUTE NEUTROPHIL COUNT		5.38	2.0 - 7.0	thou/ $\mu$ L
METHOD : CALCULATED PARAMETER				
ABSOLUTE LYMPHOCYTE COUNT		2.12	1.0 - 3.0	thou/ $\mu$ L
METHOD : CALCULATED PARAMETER				
ABSOLUTE MONOCYTE COUNT		0.57	0.2 - 1.0	thou/ $\mu$ L
METHOD : CALCULATED PARAMETER				
ABSOLUTE EOSINOPHIL COUNT		0.08	0.02 - 0.50	thou/ $\mu$ L
METHOD : CALCULATED PARAMETER				
ABSOLUTE BASOPHIL COUNT		<b>0 Low</b>	0.02 - 0.10	thou/ $\mu$ L
METHOD : CALCULATED PARAMETER				
NEUTROPHIL LYMPHOCYTE RATIO (NLR)		2.5		
METHOD : CALCULATED				

**MORPHOLOGY**

**RBC** PREDOMINANTLY NORMOCYTIC NORMOCHROMIC  
 METHOD : MICROSCOPIC EXAMINATION

**WBC** NORMAL MORPHOLOGY  
 METHOD : MICROSCOPIC EXAMINATION

**PLATELETS** ADEQUATE  
 METHOD : MICROSCOPIC EXAMINATION

**Dr. Akshay Dhotre, MD**  
 (Reg.no. MMC 2019/09/6377)  
 Consultant Pathologist



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 CIN - U74809PB1995PLC045956  
 Email : -



Patient Ref. No. 22000000912281

PATIENT NAME : MR.TANVEER SARMA

REF. DOCTOR :

CODE/NAME &amp; ADDRESS : C000045507

FORTIS VASHI-CHC -SPLZD  
FORTIS HOSPITAL # VASHI,  
MUMBAI 440001

ACCESSION NO : 0022XC006374

PATIENT ID : FH.11893183

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BILLNO-150124OPCR018065

BILLNO-150124OPCR018065

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## Interpretation(s)

RBC AND PLATELET INDICES-Mentzer index (MCV/RBC) is an automated cell-counter based calculated screen tool to differentiate cases of Iron deficiency anaemia(>13) from Beta thalassaemia trait

(<13) in patients with microcytic anaemia. This needs to be interpreted in line with clinical correlation and suspicion. Estimation of HbA2 remains the gold standard for diagnosing a case of beta thalassaemia trait.

WBC DIFFERENTIAL COUNT-The optimal threshold of 3.3 for NLR showed a prognostic possibility of clinical symptoms to change from mild to severe in COVID positive patients. When age = 49.5 years old and NLR = 3.3, 46.1% COVID-19 patients with mild disease might become severe. By contrast, when age < 49.5 years old and NLR < 3.3, COVID-19 patients tend to show mild disease.

(Reference to - The diagnostic and predictive role of NLR, d-NLR and PLR in COVID-19 patients ; A.-P. Yang, et al.; International Immunopharmacology 84 (2020) 106504  
This ratio element is a calculated parameter and out of NABL scope.

  
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Patient Ref. No. 2200000912281

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REF. DOCTOR :

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UID:11893183 REQNO-1685425  
CORP-OPD  
BILLNO-150124OPCR018065  
BILLNO-150124OPCR018065Test Report Status **Final**

Results

Biological Reference Interval Units

## HAEMATOLOGY

ERYTHROCYTE SEDIMENTATION RATE (ESR), EDTA BLOOD

Test Name	Result	Biological Reference Interval	Units
E.S.R	09	0 - 14	mm at 1 hr

METHOD : WESTEREGREN METHOD

GLYCOSYLATED HEMOGLOBIN(HBA1C), EDTA WHOLE BLOOD

Test Name	Result	Biological Reference Interval	Units
HBA1C	5.2	Non-diabetic: < 5.7 Pre-diabetics: 5.7 - 6.4 Diabetics: > or = 6.5 Therapeutic goals: < 7.0 Action suggested : > 8.0 (ADA Guideline 2021)	%

METHOD : HB VARIANT (HPLC)

Test Name	Result	Biological Reference Interval	Units
ESTIMATED AVERAGE GLUCOSE(EAG)	102.5	< 116.0	mg/dL

METHOD : CALCULATED PARAMETER



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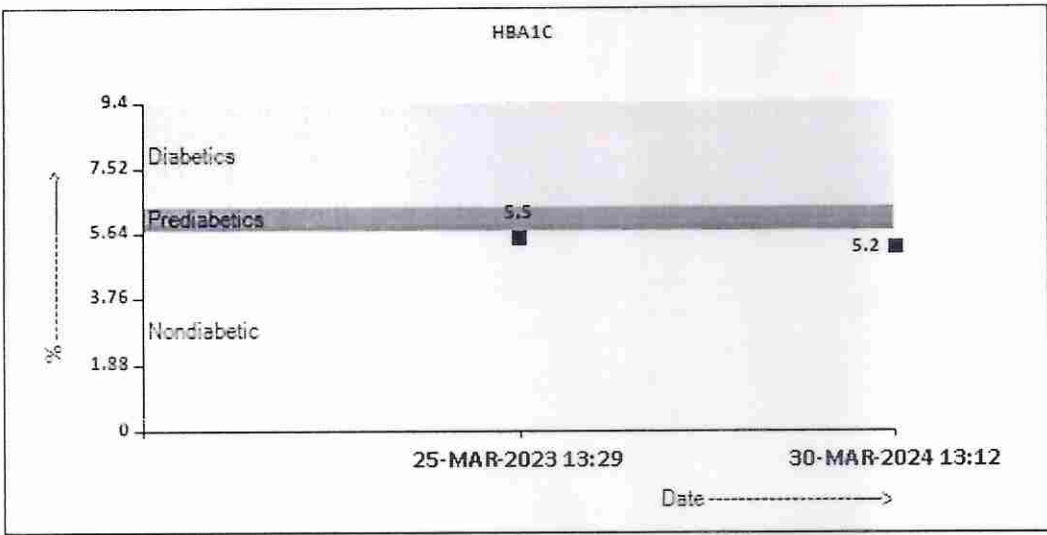
**ACCESSION NO : 0022XC006374**  
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 BILLNO-150124OPCR018065  
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Test Report Status	Final	Results	Biological Reference Interval	Units
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**Interpretation(s)**

**ERYTHROCYTE SEDIMENTATION RATE (ESR), EDTA BLOOD-TEST DESCRIPTION :-**

Erythrocyte sedimentation rate (ESR) is a test that indirectly measures the degree of inflammation present in the body. The test actually measures the rate of fall (sedimentation) of erythrocytes in a sample of blood that has been placed into a tall, thin, vertical tube. Results are reported as the millimetres of clear fluid (plasma) that are present at the top portion of the tube after one hour. Nowadays fully automated instruments are available to measure ESR.

ESR is not diagnostic; it is a non-specific test that may be elevated in a number of different conditions. It provides general information about the presence of an inflammatory condition. CRP is superior to ESR because it is more sensitive and reflects a more rapid change.

**TEST INTERPRETATION**

**Increase in:** Infections, Vasculitides, Inflammatory arthritis, Renal disease, Anemia, Malignancies and plasma cell dyscrasias, Acute allergy Tissue injury, Pregnancy, Estrogen medication, Aging.

Finding a very accelerated ESR (>100 mm/hour) in patients with ill-defined symptoms directs the physician to search for a systemic disease (Paraproteinemias, Disseminated malignancies, connective tissue disease, severe infections such as bacterial endocarditis).

In pregnancy BRI in first trimester is 0-48 mm/hr(52 if anemic) and in second trimester (0-70 mm/hr(95 if anemic). ESR returns to normal 4th week post partum.

**Decreased in:** Polycythemia vera, Sickle cell anemia

**LIMITATIONS**

**False elevated ESR :** Increased fibrinogen, Drugs(Vitamin A, Dextran etc), Hypercholesterolemia

**False Decreased :** Poikilocytosis, (SickleCells, spherocytes), Microcytosis, Low fibrinogen, Very high WBC counts, Drugs(Quinine, salicylates)

**REFERENCE :**

1. Nathan and Oski's Haematology of Infancy and Childhood, 5th edition; 2. Paediatric reference intervals. AACC Press, 7th edition, Edited by S. Soldin; 3. The reference for

**Dr. Akshay Dhotre, MD**  
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
the adult reference range is "Practical Haematology by Dacie and Lewis, 10th edition.  
GLYCOSYLATED HEMOGLOBIN(HbA1c), EDTA WHOLE BLOOD-Used For:

1. Evaluating the long-term control of blood glucose concentrations in diabetic patients.
  2. Diagnosing diabetes.
  3. Identifying patients at increased risk for diabetes (prediabetes).
- The ADA recommends measurement of HbA1c (typically 3-4 times per year for type 1 and poorly controlled type 2 diabetic patients, and 2 times per year for well-controlled type 2 diabetic patients) to determine whether a patient's metabolic control has remained continuously within the target range.
1. eAG (Estimated average glucose) converts percentage HbA1c to mg/dl, to compare blood glucose levels.
  2. eAG gives an evaluation of blood glucose levels for the last couple of months.
  3. eAG is calculated as  $eAG (mg/dl) = 28.7 * HbA1c - 46.7$

## HbA1c Estimation can get affected due to :

1. Shortened Erythrocyte survival : Any condition that shortens erythrocyte survival or decreases mean erythrocyte age (e.g. recovery from acute blood loss, hemolytic anemia) will falsely lower HbA1c test results. Fructosamine is recommended in these patients which indicates diabetes control over 15 days.
2. Vitamin C & E are reported to falsely lower test results (possibly by inhibiting glycation of hemoglobin).
3. Iron deficiency anemia is reported to increase test results. Hypertriglyceridemia, uremia, hyperbilirubinemia, chronic alcoholism, chronic ingestion of salicylates & opiates addiction are reported to interfere with some assay methods, falsely increasing results.
4. Interference of hemoglobinopathies in HbA1c estimation is seen in
  - a) Homozygous hemoglobinopathy. Fructosamine is recommended for testing of HbA1c.
  - b) Heterozygous state detected (D10 is corrected for HbS & HbC trait.)
  - c) HbF > 25% on alternate platform (Boronate affinity chromatography) is recommended for testing of HbA1c. Abnormal Hemoglobin electrophoresis (HPLC method) is recommended for detecting a hemoglobinopathy

Page 6 Of 22

  
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Test Report Status **Final**

Results

Biological Reference Interval Units

## IMMUNOHAEMATOLOGY

## ABO GROUP &amp; RH TYPE, EDTA WHOLE BLOOD

ABO GROUP

TYPE O

METHOD : TUBE AGGLUTINATION

RH TYPE

POSITIVE

METHOD : TUBE AGGLUTINATION

## Interpretation(s)

ABO GROUP & RH TYPE, EDTA WHOLE BLOOD-Blood group is identified by antigens and antibodies present in the blood. Antigens are protein molecules found on the surface of red blood cells. Antibodies are found in plasma. To determine blood group, red cells are mixed with different antibody solutions to give A,B,O or AB.

Disclaimer: "Please note, as the results of previous ABO and Rh group (Blood Group) for pregnant women are not available, please check with the patient records for availability of the same."

The test is performed by both forward as well as reverse grouping methods.



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Hiranandani Hospital-Vashi, Mini Seashore Road, Sector 10,  
Navi Mumbai, 400703  
Maharashtra, India  
Tel : 022-39199222,022-49723322, Fax :  
CIN - U74699PB1995PLC045956  
Email : -



Patient Ref. No. 22000000912281

PATIENT NAME : MR.TANVEER SARMA

REF. DOCTOR :

CODE/NAME & ADDRESS : C000045507  
 FORTIS VASHI-CHC -SPLZD  
 FORTIS HOSPITAL # VASHI,  
 MUMBAI 440001

ACCESSION NO : 0022XC006374  
 PATIENT ID : FH.11893183  
 CLIENT PATIENT ID: UID:11893183  
 ABHA NO :

AGE/SEX : 32 Years Male  
 DRAWN : 30/03/2024 09:54:00  
 RECEIVED : 30/03/2024 09:54:18  
 REPORTED : 30/03/2024 13:14:21

## CLINICAL INFORMATION :

UID:11893183 REQNO-1685425  
 CORP-OPD  
 BILLNO-150124OPCR018065  
 BILLNO-150124OPCR018065

Test Report Status	Final	Results	Biological Reference Interval	Units
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## BIOCHEMISTRY

## LIVER FUNCTION PROFILE, SERUM

BILIRUBIN, TOTAL METHOD : JENDRASSIK AND GROFF	0.63	0.2 - 1.0	mg/dL
BILIRUBIN, DIRECT METHOD : JENDRASSIK AND GROFF	0.14	0.0 - 0.2	mg/dL
BILIRUBIN, INDIRECT METHOD : CALCULATED PARAMETER	0.49	0.1 - 1.0	mg/dL
TOTAL PROTEIN METHOD : BIURET	7.7	6.4 - 8.2	g/dL
ALBUMIN METHOD : BCP DYE BINDING	4.1	3.4 - 5.0	g/dL
GLOBULIN METHOD : CALCULATED PARAMETER	3.6	2.0 - 4.1	g/dL
ALBUMIN/GLOBULIN RATIO METHOD : CALCULATED PARAMETER	1.1	1.0 - 2.1	RATIO
ASPARTATE AMINOTRANSFERASE(AST/SGOT) METHOD : UV WITH P5P	32	15 - 37	U/L
ALANINE AMINOTRANSFERASE (ALT/SGPT) METHOD : UV WITH P5P	26	< 45.0	U/L
ALKALINE PHOSPHATASE METHOD : PNPP-ANP	43	30 - 120	U/L
GAMMA GLUTAMYL TRANSFERASE (GGT) METHOD : GAMMA GLUTAMYL CARBOXY 4NITROANILIDE	36	15 - 85	U/L
LACTATE DEHYDROGENASE METHOD : LACTATE -PYRUVATE	162	85 - 227	U/L

## GLUCOSE FASTING, FLUORIDE PLASMA

FBS (FASTING BLOOD SUGAR) METHOD : HEXOKINASE	101 High	Normal : < 100 Pre-diabetes: 100-125 Diabetes: >/=126	mg/dL
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Page 8 Of 22

  
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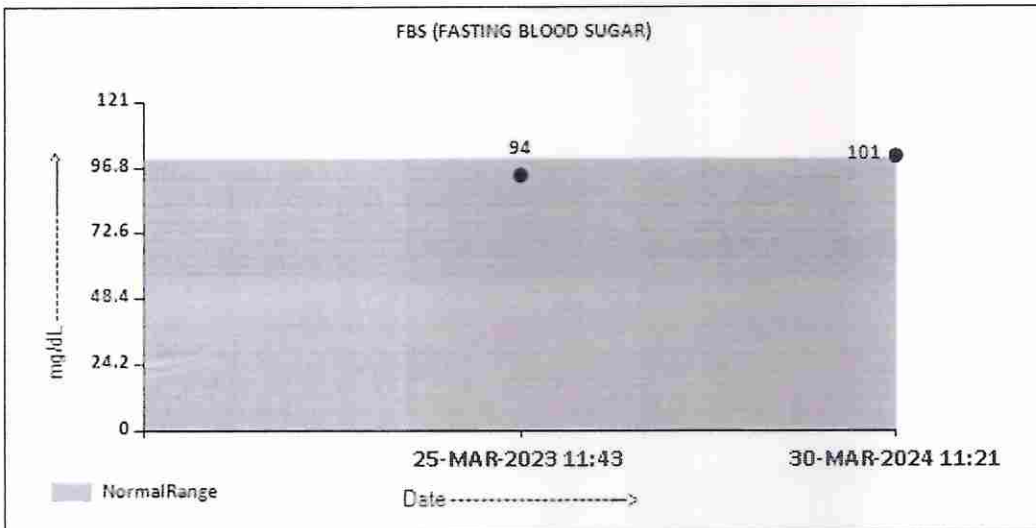
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**KIDNEY PANEL - 1**

**BLOOD UREA NITROGEN (BUN), SERUM**

**BLOOD UREA NITROGEN** 11 6 - 20 mg/dL  
 METHOD : UREASE - UV

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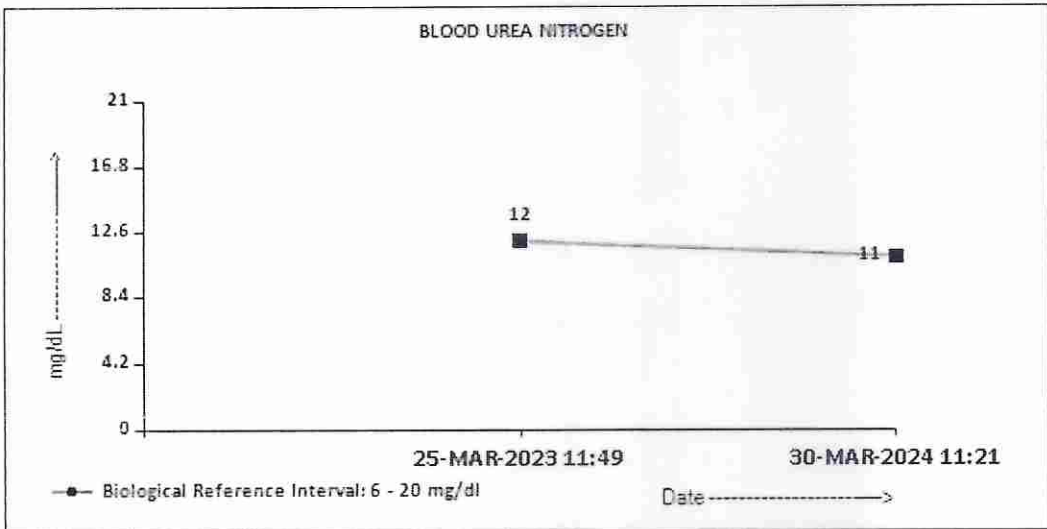
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**CREATININE EGFR- EPI**

<b>CREATININE</b> METHOD : ALKALINE PICRATE KINETIC JAFFES	<b>0.82 Low</b>	0.90 - 1.30	mg/dL
<b>AGE</b>	32		years
<b>GLOMERULAR FILTRATION RATE (MALE)</b> METHOD : CALCULATED PARAMETER	119.69	Refer Interpretation Below	mL/min/1.73m <sup>2</sup>

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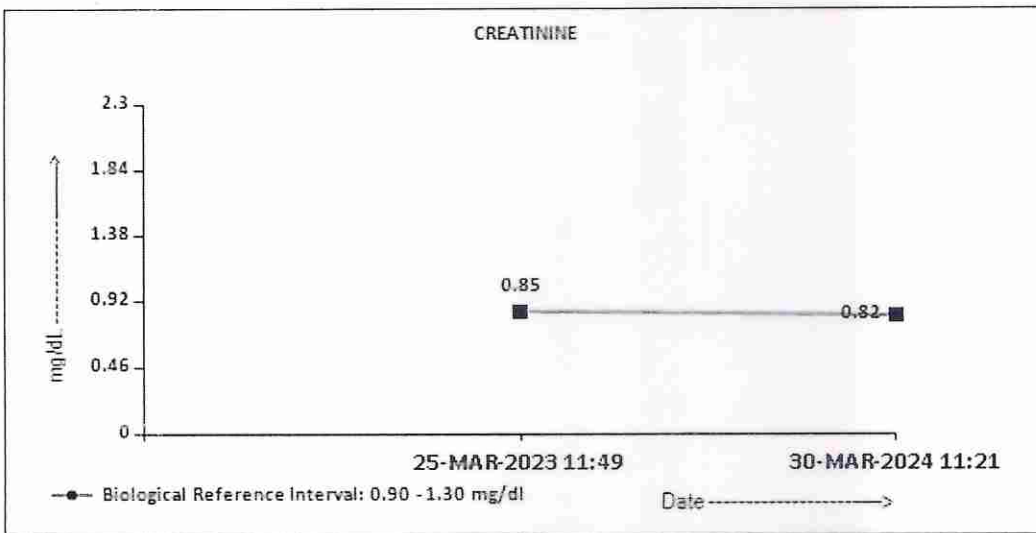
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**BUN/CREAT RATIO**

BUN/CREAT RATIO 13.41 5.00 - 15.00  
 METHOD : CALCULATED PARAMETER

**URIC ACID, SERUM**

URIC ACID 4.1 3.5 - 7.2 mg/dL  
 METHOD : URICASE UV

**TOTAL PROTEIN, SERUM**

TOTAL PROTEIN 7.7 6.4 - 8.2 g/dL  
 METHOD : BIURET

**ALBUMIN, SERUM**

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ALBUMIN		4.1	3.4 - 5.0	g/dL
METHOD : BCP DYE BINDING				
GLOBULIN				
GLOBULIN		3.6	2.0 - 4.1	g/dL
METHOD : CALCULATED PARAMETER				
<b>ELECTROLYTES (NA/K/CL), SERUM</b>				
SODIUM, SERUM		140	136 - 145	mmol/L
METHOD : ISE INDIRECT				
POTASSIUM, SERUM		4.18	3.50 - 5.10	mmol/L
METHOD : ISE INDIRECT				
CHLORIDE, SERUM		103	98 - 107	mmol/L
METHOD : ISE INDIRECT				

## Interpretation(s)

## Interpretation(s)

## LIVER FUNCTION PROFILE, SERUM-


**Bilirubin** is a yellowish pigment found in bile and is a breakdown product of normal heme catabolism. Bilirubin is excreted in bile and urine, and elevated levels may give yellow discoloration in jaundice. Elevated levels results from increased bilirubin production (eg, hemolysis and ineffective erythropoiesis), decreased bilirubin excretion (eg, obstruction and hepatitis), and abnormal bilirubin metabolism (eg, hereditary and neonatal jaundice). Conjugated (direct) bilirubin is elevated more than unconjugated (indirect) bilirubin in Viral hepatitis, Drug reactions, Alcoholic liver disease. Conjugated (direct) bilirubin is also elevated more than unconjugated (indirect) bilirubin when there is some kind of blockage of the bile ducts like in Gallstones getting into the bile ducts, tumors & Scarring of the bile ducts. Increased unconjugated (indirect) bilirubin may be a result of Hemolytic or pernicious anemia, Transfusion reaction & a common metabolic condition termed Gilbert syndrome, due to low levels of the enzyme that attaches sugar molecules to bilirubin.

**AST** is an enzyme found in various parts of the body. AST is found in the liver, heart, skeletal muscle, kidneys, brain, and red blood cells, and it is commonly measured clinically as a marker for liver health. AST levels increase during chronic viral hepatitis, blockage of the bile duct, cirrhosis of the liver, liver cancer, kidney failure, hemolytic anemia, pancreatitis, hemochromatosis. AST levels may also increase after a heart attack or strenuous activity. ALT test measures the amount of this enzyme in the blood. ALT is found mainly in the liver, but also in smaller amounts in the kidneys, heart, muscles, and pancreas. It is commonly measured as a part of a diagnostic evaluation of hepatocellular injury, to determine liver health. AST levels increase during acute hepatitis, sometimes due to a viral infection, ischemia to the liver, chronic hepatitis, obstruction of bile ducts, cirrhosis.

**ALP** is a protein found in almost all body tissues. Tissues with higher amounts of ALP include the liver, bile ducts and bone. Elevated ALP levels are seen in Biliary obstruction, Osteoblastic bone tumors, osteomalacia, hepatitis, Hyperparathyroidism, Leukemia, Lymphoma, Pagets disease, Rickets, Sarcoidosis etc. Lower-than-normal ALP levels seen in Hypophosphatasia, Malnutrition, Protein deficiency, Wilsons disease.

**GGT** is an enzyme found in cell membranes of many tissues mainly in the liver, kidney and pancreas. It is also found in other tissues including intestine, spleen, heart, brain and seminal vesicles. The highest concentration is in the kidney, but the liver is considered the source of normal enzyme activity. Serum GGT has been widely used as an index of liver dysfunction. Elevated serum GGT activity can be found in diseases of the liver, biliary system and pancreas. Conditions that increase serum GGT are obstructive

Page 12 Of 22

  
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liver disease,high alcohol consumption and use of enzyme-inducing drugs etc.

**Total Protein** also known as total protein, is a biochemical test for measuring the total amount of protein in serum. Protein in the plasma is made up of albumin and globulin. Higher-than-normal levels may be due to: Chronic inflammation or infection, including HIV and hepatitis B or C, Multiple myeloma, Waldenstroms disease. Lower-than-normal levels may be due to: Agammaglobulinemia, Bleeding (hemorrhage), Burns, Glomerulonephritis, Liver disease, Malabsorption, Malnutrition, Nephrotic syndrome, Protein-losing enteropathy etc.

**Albumin** is the most abundant protein in human blood plasma. It is produced in the liver. Albumin constitutes about half of the blood serum protein. Low blood albumin levels (hypoalbuminemia) can be caused by: Liver disease like cirrhosis of the liver, nephrotic syndrome, protein-losing enteropathy, Burns, hemodilution, increased vascular permeability or decreased lymphatic clearance, malnutrition and wasting etc

## GLUCOSE FASTING/FLUORIDE PLASMA-TEST DESCRIPTION

Normally, the glucose concentration in extracellular fluid is closely regulated so that a source of energy is readily available to tissues and so that no glucose is excreted in the urine.

**Increased in:** Diabetes mellitus, Cushing's syndrome (10 - 15%), chronic pancreatitis (30%). Drugs: corticosteroids, phenytoin, estrogen, thiazides.

**Decreased in:** Pancreatic islet cell disease with increased insulin, insulinoma, adrenocortical insufficiency, hypopituitarism, diffuse liver disease, malignancy (adrenocortical, stomach, fibrosarcoma), infant of a diabetic mother, enzyme deficiency diseases (e.g. galactosemia), Drugs-insulin, ethanol, propranolol, sulfonyleureas, tolbutamide and other oral hypoglycemic agents.

**NOTE:** While random serum glucose levels correlate with home glucose monitoring results (weekly mean capillary glucose values), there is wide fluctuation within individuals. Thus, glycosylated hemoglobin (HbA1c) levels are favored to monitor glycemic control.

High fasting glucose level in comparison to post prandial glucose level may be seen due to effect of Oral Hypoglycaemics & Insulin treatment, Renal Glycosuria, Glycaemic index & response to food consumed, Alimentary Hypoglycemia, Increased insulin response & sensitivity etc.

**BLOOD UREA NITROGEN (BUN), SERUM-Causes of Increased levels** include Pre renal (High protein diet, Increased protein catabolism, GI haemorrhage, Cortisol, Dehydration, CHF Renal), Renal Failure, Post Renal (Malignancy, Nephrolithiasis, Prostatism)

**Causes of decreased level** include Liver disease, STADH.

**CREATININE EGFR- EPI--** Kidney disease outcomes quality initiative (KDOQI) guidelines state that estimation of GFR is the best overall indices of the Kidney function.

- It gives a rough measure of number of functioning nephrons. Reduction in GFR implies progression of underlying disease.

- The GFR is a calculation based on serum creatinine test.

- Creatinine is mainly derived from the metabolism of creatine in muscle, and its generation is proportional to the total muscle mass. As a result, mean creatinine generation is higher in men than in women, in younger than in older individuals, and in blacks than in whites.

- Creatinine is filtered from the blood by the kidneys and excreted into urine at a relatively steady rate.

- When kidney function is compromised, excretion of creatinine decreases with a consequent increase in blood creatinine levels. With the creatinine test, a reasonable estimate of the actual GFR can be determined.

- This equation takes into account several factors that impact creatinine production, including age, gender, and race.

- CKD EPI (Chronic kidney disease epidemiology collaboration) equation performed better than MDRD equation especially when GFR is high (>60 ml/min per 1.73m2).. This formula has less bias and greater accuracy which helps in early diagnosis and also reduces the rate of false positive diagnosis of CKD.

## References:

National Kidney Foundation (NKF) and the American Society of Nephrology (ASN).

Estimated GFR Calculated Using the CKD-EPI equation-<https://testguide.labmed.uw.edu/guideline/egfr>

Ghuman JK, et al. Impact of Removing Race Variable on CKD Classification Using the Creatinine-Based 2021 CKD-EPI Equation, Kidney Med 2022, 4:100471. 35756325

Harrison's Principle of Internal Medicine, 21st ed, pg 52 and 334

**URIC ACID, SERUM-Causes of Increased levels:** Dietary (High Protein Intake, Prolonged Fasting, Rapid weight loss), Gout, Lesch nyhan syndrome, Type 2 DM, Metabolic syndrome **Causes of decreased levels:** Low Zinc intake, OCP, Multiple Sclerosis

**TOTAL PROTEIN, SERUM-** is a biochemical test for measuring the total amount of protein in serum. Protein in the plasma is made up of albumin and globulin.

**Higher-than-normal levels may be due to:** Chronic inflammation or infection, including HIV and hepatitis B or C, Multiple myeloma, Waldenstroms disease.

**Lower-than-normal levels may be due to:** Agammaglobulinemia, Bleeding (hemorrhage), Burns, Glomerulonephritis, Liver disease, Malabsorption, Malnutrition, Nephrotic syndrome, Protein-losing enteropathy etc.

**ALBUMIN, SERUM-** Human serum albumin is the most abundant protein in human blood plasma. It is produced in the liver. Albumin constitutes about half of the blood serum protein. **Low blood albumin levels (hypoalbuminemia) can be caused by:** Liver disease like cirrhosis of the liver, nephrotic syndrome, protein-losing enteropathy, Burns, hemodilution, increased vascular permeability or decreased lymphatic clearance, malnutrition and wasting etc.

Page 13 Of 22

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**BIOCHEMISTRY - LIPID**

**LIPID PROFILE, SERUM**

**CHOLESTEROL, TOTAL** 183 < 200 Desirable mg/dL  
 200 - 239 Borderline High  
 >= 240 High

METHOD : ENZYMATIC/COLORIMETRIC,CHOLESTEROL OXIDASE, ESTERASE, PEROXIDASE

**TRIGLYCERIDES** 64 < 150 Normal mg/dL  
 150 - 199 Borderline High  
 200 - 499 High  
 >=500 Very High

METHOD : ENZYMATIC ASSAY

**HDL CHOLESTEROL** 74 High < 40 Low mg/dL  
 >=60 High

METHOD : DIRECT MEASURE - PEG

**LDL CHOLESTEROL, DIRECT** 92 < 100 Optimal mg/dL  
 100 - 129 Near or above optimal  
 130 - 159 Borderline High  
 160 - 189 High  
 >= 190 Very High

METHOD : DIRECT MEASURE WITHOUT SAMPLE PRETREATMENT

**NON HDL CHOLESTEROL** 109 Desirable: Less than 130 mg/dL  
 Above Desirable: 130 - 159  
 Borderline High: 160 - 189  
 High: 190 - 219  
 Very high: > or = 220

METHOD : CALCULATED PARAMETER

**VERY LOW DENSITY LIPOPROTEIN** 12.8 <= 30.0 mg/dL

METHOD : CALCULATED PARAMETER

**CHOL/HDL RATIO** 2.5 Low 3.3 - 4.4 Low Risk  
 4.5 - 7.0 Average Risk  
 7.1 - 11.0 Moderate Risk  
 > 11.0 High Risk

METHOD : CALCULATED PARAMETER

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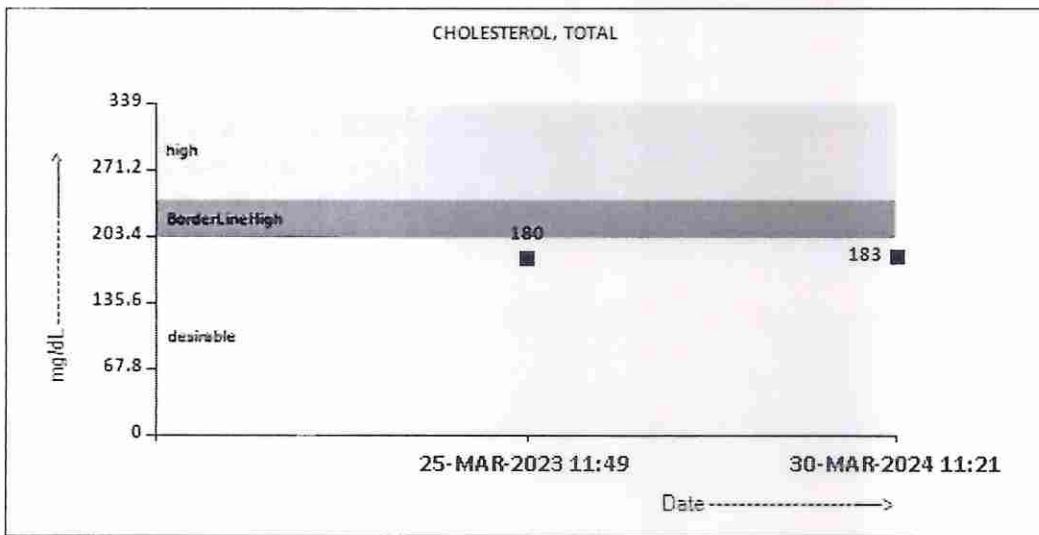
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**LDL/HDL RATIO** 1.2 0.5 - 3.0 Desirable/Low Risk  
 3.1 - 6.0 Borderline/Moderate Risk  
 >6.0 High Risk

METHOD : CALCULATED PARAMETER



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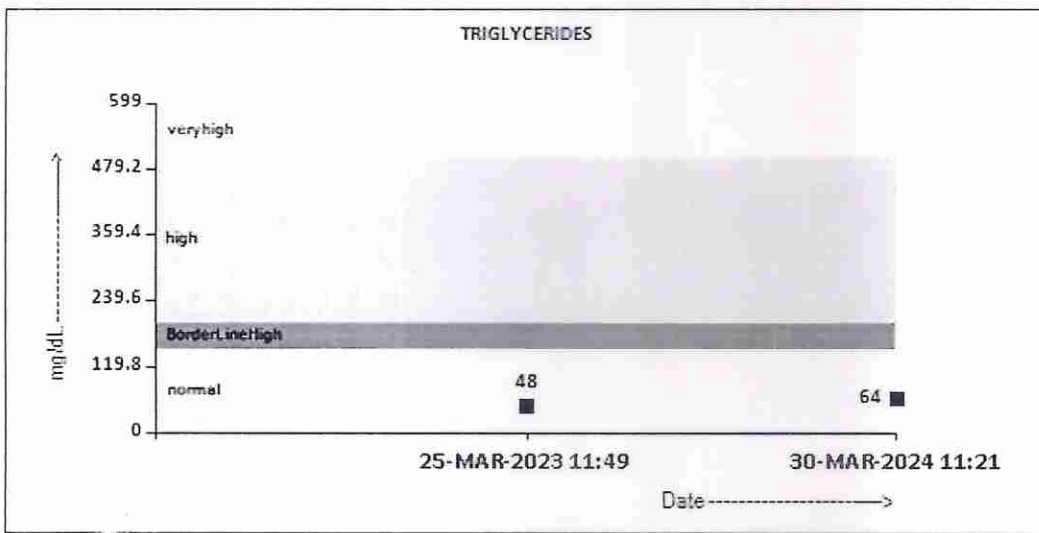
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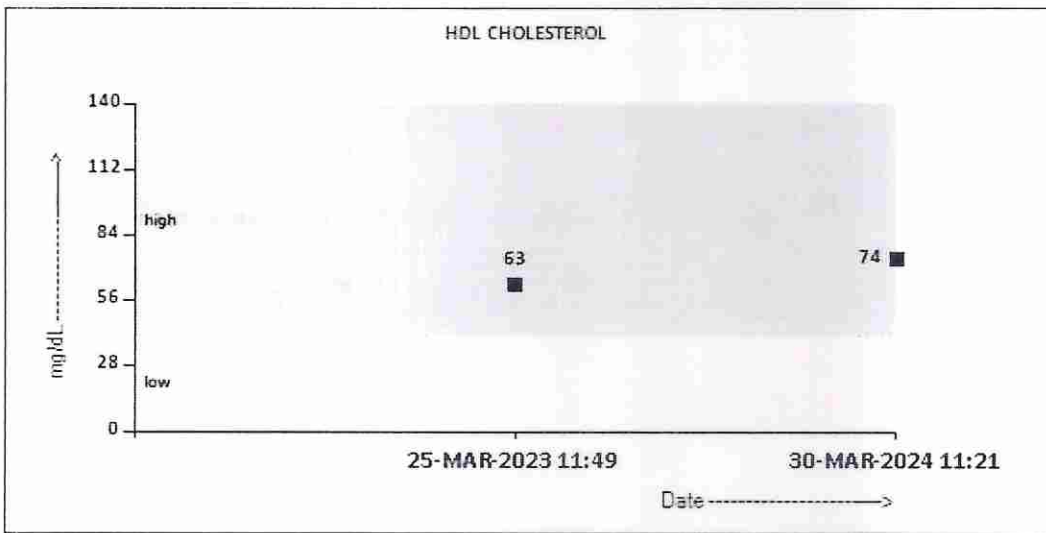


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<b>PATIENT NAME : MR.TANVEER SARMA</b>		<b>REF. DOCTOR :</b>	
<b>CODE/NAME &amp; ADDRESS : C000045507</b>		<b>ACCESSION NO : 0022XC006374</b>	
FORTIS VASHI-CHC -SPLZD		AGE/SEX : 32 Years Male	
FORTIS HOSPITAL # VASHI,		DRAWN : 30/03/2024 09:54:00	
MUMBAI 440001		RECEIVED : 30/03/2024 09:54:18	
PATIENT ID : FH.11893183		REPORTED : 30/03/2024 13:14:21	
CLIENT PATIENT ID: UID:11893183			
ABHA NO :			

**CLINICAL INFORMATION :**  
 UID:11893183 REQNO-1685425  
 CORP-OPD  
 BILLNO-150124OPCR018065  
 BILLNO-150124OPCR018065

Test Report Status	Final	Results	Biological Reference Interval	Units
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**Dr. Akshay Dhotre, MD**  
 (Reg.no. MMC 2019/09/6377)  
 Consultant Pathologist



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 Maharashtra, India  
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 CIN - U74090PB1995PLC045956  
 Email : -



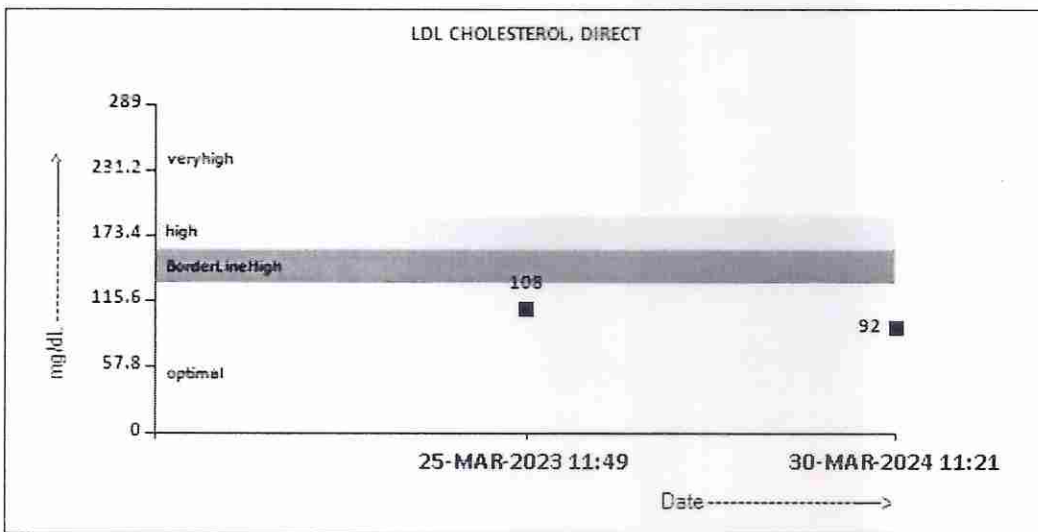
Patient Ref. No. 22000000912281

<b>PATIENT NAME : MR.TANVEER SARMA</b>		<b>REF. DOCTOR :</b>	
<b>CODE/NAME &amp; ADDRESS : C000045507</b>		<b>ACCESSION NO : 0022XC006374</b>	
FORTIS VASHI-CHC -SPLZD		AGE/SEX : 32 Years Male	
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MUMBAI 440001		RECEIVED : 30/03/2024 09:54:18	
PATIENT ID : FH.11893183		REPORTED : 30/03/2024 13:14:21	
CLIENT PATIENT ID: UID:11893183			
ABHA NO :			

**CLINICAL INFORMATION :**

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 CORP-OPD  
 BILLNO-150124OPCR018065  
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**Interpretation(s)**

**Dr. Akshay Dhotre, MD**  
 (Reg.no. MMC 2019/09/6377)  
 Consultant Pathologist



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Patient Ref. No. 22000000912281

**PATIENT NAME : MR.TANVEER SARMA**

**REF. DOCTOR :**

**CODE/NAME & ADDRESS :** C000045507  
 FORTIS VASHI-CHC -SPLZD  
 FORTIS HOSPITAL # VASHI,  
 MUMBAI 440001

**ACCESSION NO :** 0022XC006374  
**PATIENT ID :** FH.11893183  
**CLIENT PATIENT ID:** UID:11893183  
**ABHA NO :**

**AGE/SEX :** 32 Years Male  
**DRAWN :** 30/03/2024 09:54:00  
**RECEIVED :** 30/03/2024 09:54:18  
**REPORTED :** 30/03/2024 13:14:21

**CLINICAL INFORMATION :**

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 CORP-OPD  
 BILLNO-150124OPCR018065  
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**CLINICAL PATH - URINALYSIS**

**KIDNEY PANEL - 1**

**PHYSICAL EXAMINATION, URINE**

**COLOR** PALE YELLOW  
METHOD : PHYSICAL  
**APPEARANCE** CLEAR  
METHOD : VISUAL

**CHEMICAL EXAMINATION, URINE**

<b>PH</b> <small>METHOD : REFLECTANCE SPECTROPHOTOMETRY- DOUBLE INDICATOR METHOD</small>	7.5	4.7 - 7.5
<b>SPECIFIC GRAVITY</b> <small>METHOD : REFLECTANCE SPECTROPHOTOMETRY (APPARENT PKA CHANGE OF PRETREATED POLYELECTROLYTES IN RELATION TO IONIC CONCENTRATION)</small>	1.015	1.003 - 1.035
<b>PROTEIN</b> <small>METHOD : REFLECTANCE SPECTROPHOTOMETRY - PROTEIN-ERROR-OF-INDICATOR PRINCIPLE</small>	NOT DETECTED	NOT DETECTED
<b>GLUCOSE</b> <small>METHOD : REFLECTANCE SPECTROPHOTOMETRY, DOUBLE SEQUENTIAL ENZYME REACTION-GOD/POD</small>	NOT DETECTED	NOT DETECTED
<b>KETONES</b> <small>METHOD : REFLECTANCE SPECTROPHOTOMETRY, ROTHERA'S PRINCIPLE</small>	NOT DETECTED	NOT DETECTED
<b>BLOOD</b> <small>METHOD : REFLECTANCE SPECTROPHOTOMETRY, PEROXIDASE LIKE ACTIVITY OF HAEMOGLOBIN</small>	NOT DETECTED	NOT DETECTED
<b>BILIRUBIN</b> <small>METHOD : REFLECTANCE SPECTROPHOTOMETRY, DIAZOTIZATION- COUPLING OF BILIRUBIN WITH DIAZOTIZED SALT</small>	NOT DETECTED	NOT DETECTED
<b>UROBILINOGEN</b> <small>METHOD : REFLECTANCE SPECTROPHOTOMETRY (MODIFIED EHRlich REACTION)</small>	NORMAL	NORMAL
<b>NITRITE</b> <small>METHOD : REFLECTANCE SPECTROPHOTOMETRY, CONVERSION OF NITRATE TO NITRITE</small>	NOT DETECTED	NOT DETECTED
<b>LEUKOCYTE ESTERASE</b> <small>METHOD : REFLECTANCE SPECTROPHOTOMETRY, ESTERASE HYDROLYSIS ACTIVITY</small>	NOT DETECTED	NOT DETECTED

**Dr. Akshay Dhotre, MD**  
 (Reg.no. MMC 2019/09/6377)  
 Consultant Pathologist

**Dr. Rekha Nair, MD**  
 (Reg No. MMC 2001/06/2354)  
 Microbiologist



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Patient Ref. No. 22000000912281

PATIENT NAME : MR.TANVEER SARMA

REF. DOCTOR :

CODE/NAME &amp; ADDRESS : C000045507

ACCESSION NO : 0022XC006374

AGE/SEX : 32 Years Male

FORTIS VASHI-CHC -SPLZD  
FORTIS HOSPITAL # VASHI,  
MUMBAI 440001

PATIENT ID : FH.11893183

DRAWN : 30/03/2024 09:54:00

CLIENT PATIENT ID: UID:11893183

RECEIVED : 30/03/2024 09:54:18

ABHA NO :

REPORTED : 30/03/2024 13:14:21

## CLINICAL INFORMATION :

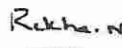
UID:11893183 REQNO-1685425  
CORP-OPD  
BILLNO-150124OPCR018065  
BILLNO-150124OPCR018065

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## MICROSCOPIC EXAMINATION, URINE

RED BLOOD CELLS METHOD : MICROSCOPIC EXAMINATION	NOT DETECTED	NOT DETECTED	/HPF
PUS CELL (WBC'S) METHOD : MICROSCOPIC EXAMINATION	0-1	0-5	/HPF
EPITHELIAL CELLS METHOD : MICROSCOPIC EXAMINATION	1-2	0-5	/HPF
CASTS METHOD : MICROSCOPIC EXAMINATION	NOT DETECTED		
CRYSTALS METHOD : MICROSCOPIC EXAMINATION	NOT DETECTED		
BACTERIA METHOD : MICROSCOPIC EXAMINATION	NOT DETECTED	NOT DETECTED	
YEAST METHOD : MICROSCOPIC EXAMINATION	NOT DETECTED	NOT DETECTED	
REMARKS	URINARY MICROSCOPIC EXAMINATION DONE ON URINARY CENTRIFUGED SEDIMENT		

## Interpretation(s)


Dr. Akshay Dhotre, MD  
(Reg.no. MMC 2019/09/6377)  
Consultant Pathologist

Dr. Rekha Nair, MD  
(Reg No. MMC 2001/06/2354)  
Microbiologist

Page 20 Of 22



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CIN - U74899PB1995PLC045956  
Email : -

Patient Ref. No. 2200000912281

PATIENT NAME : MR.TANVEER SARMA

REF. DOCTOR :

CODE/NAME &amp; ADDRESS : C000045507

FORTIS VASHI-CHC -SPLZD  
 FORTIS HOSPITAL # VASHI,  
 MUMBAI 440001

ACCESSION NO : 0022XC006374

PATIENT ID : FH.11893183

CLIENT PATIENT ID: UID:11893183

ABHA NO :

AGE/SEX : 32 Years Male

DRAWN : 30/03/2024 09:54:00

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REPORTED : 30/03/2024 13:14:21

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 BILLNO-150124OPCR018065  
 BILLNO-150124OPCR018065

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## SPECIALISED CHEMISTRY - HORMONE

## THYROID PANEL, SERUM

T3	133.2	80.0 - 200.0	ng/dL
METHOD : ELECTROCHEMILUMINESCENCE IMMUNOASSAY, COMPETITIVE PRINCIPLE			
T4	7.92	5.10 - 14.10	µg/dL
METHOD : ELECTROCHEMILUMINESCENCE IMMUNOASSAY, COMPETITIVE PRINCIPLE			
TSH (ULTRASENSITIVE)	2.600	0.270 - 4.200	µIU/mL
METHOD : ELECTROCHEMILUMINESCENCE, SANDWICH IMMUNOASSAY			

## Interpretation(s)

Page 21 Of 22

  
 Dr. Akshay Dhotre, MD  
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Patient Ref. No. 22000000912281



PATIENT NAME : MR.TANVEER SARMA

REF. DOCTOR :

CODE/NAME &amp; ADDRESS : C000045507

FORTIS VASHI-CHC -SPLZD  
 FORTIS HOSPITAL # VASHI,  
 MUMBAI 440001

ACCESSION NO : 0022XC006374

PATIENT ID : FH.11893183

CLIENT PATIENT ID: UID:11893183

ABHA NO :

AGE/SEX : 32 Years Male

DRAWN : 30/03/2024 09:54:00

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Test Report Status	Final	Results	Biological Reference Interval	Units
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## SPECIALISED CHEMISTRY - TUMOR MARKER

## PROSTATE SPECIFIC ANTIGEN, SERUM

PROSTATE SPECIFIC ANTIGEN	0.972	0.0 - 1.4	ng/mL
---------------------------	-------	-----------	-------

METHOD : ELECTROCHEMILUMINESCENCE,SANDWICH IMMUNOASSAY

## Interpretation(s)

- PROSTATE SPECIFIC ANTIGEN, SERUM-- PSA is detected in the male patients with normal, benign hyperplastic and malignant prostate tissue and in patients with prostatitis. PSA is not detected (or detected at very low levels) in the patients without prostate tissue (because of radical prostatectomy or cystoprostatectomy) and also in the female patients.
- It is a suitable marker for monitoring of patients with Prostate Cancer and it is better to be used in conjunction with other diagnostic procedures.
  - Serial PSA levels can help determine the success of prostatectomy and the need for further treatment, such as radiation, endocrine or chemotherapy and useful in detecting residual disease and early recurrence of tumor.
  - Elevated levels of PSA can be also observed in the patients with non-malignant diseases like Prostatitis and Benign Prostatic Hyperplasia.
  - Specimens for total PSA assay should be obtained before biopsy, prostatectomy or prostatic massage, since manipulation of the prostate gland may lead to elevated PSA (false positive) levels persisting up to 3 weeks.
  - As per American urological guidelines, PSA screening is recommended for early detection of Prostate cancer above the age of 40 years. Following Age specific reference range can be used as a guide lines.
  - Measurement of total PSA alone may not clearly distinguish between benign prostatic hyperplasia (BPH) from cancer, this is especially true for the total PSA values between 4-10 ng/mL.
  - Total PSA values determined on patient samples by different testing procedures cannot be directly compared with one another and could be the cause of erroneous medical interpretations. Recommended follow up on same platform as patient result can vary due to differences in assay method and reagent specificity.


## References-

1. Burtis CA, Ashwood ER, Bruns DE, Tietz textbook of clinical chemistry and Molecular Diagnostics. 4th edition.
2. Williamson MA, Snyder LM, Wallach's interpretation of diagnostic tests. 9th edition.

\*\*End Of Report\*\*

Please visit [www.agilusdiagnostics.com](http://www.agilusdiagnostics.com) for related Test Information for this accession

Page 22 Of 22

  
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 Consultant Pathologist



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 CIN - U74899PB1995PLC045956  
 Email : -



Patient Ref. No. 22000000912281

**PATIENT NAME : MR.TANVEER SARMA**

**REF. DOCTOR :**

**CODE/NAME & ADDRESS :** C000045507  
 FORTIS VASHI-CHC -SPLZD  
 FORTIS HOSPITAL # VASHI,  
 MUMBAI 440001

**ACCESSION NO :** 0022XC006422  
**PATIENT ID :** FH.11893183  
**CLIENT PATIENT ID:** UID:11893183  
**ABHA NO :**

**AGE/SEX :** 32 Years Male  
**DRAWN :** 30/03/2024 12:13:00  
**RECEIVED :** 30/03/2024 12:17:20  
**REPORTED :** 30/03/2024 13:06:24

**CLINICAL INFORMATION :**

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 CORP-OPD  
 BILLNO-150124OPCR018065  
 BILLNO-150124OPCR018065

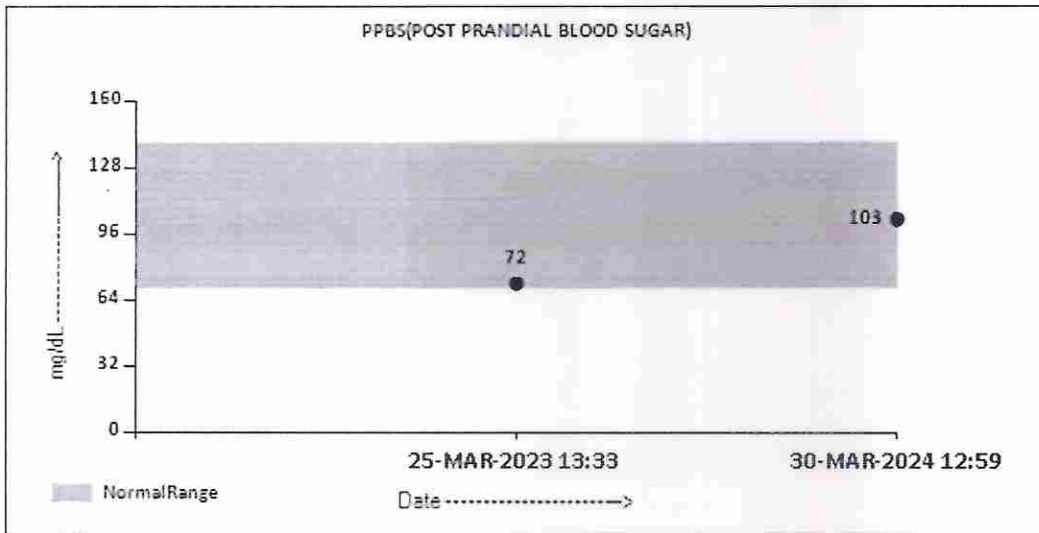
Test Report Status	Final	Results	Biological Reference Interval	Units
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**BIOCHEMISTRY**

**GLUCOSE, POST-PRANDIAL, PLASMA**

PPBS(POST PRANDIAL BLOOD SUGAR)	103	70 - 140	mg/dL
---------------------------------	-----	----------	-------

METHOD : HEXOKINASE



**Interpretation(s)**

GLUCOSE, POST-PRANDIAL, PLASMA-High fasting glucose level in comparison to post prandial glucose level may be seen due to effect of Oral Hypoglycaemics & Insulin treatment, Renal Glycosuria, Glycaemic index & response to food consumed, Alimentary Hypoglycemia, Increased insulin response & sensitivity etc. Additional test HbA1c

**\*\*End Of Report\*\***

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 CIN - U74899PB1995PLC045956  
 Email : -



Patient Ref. No. 22000000912329

1107210J  
32 Years

Male

HC

Normal

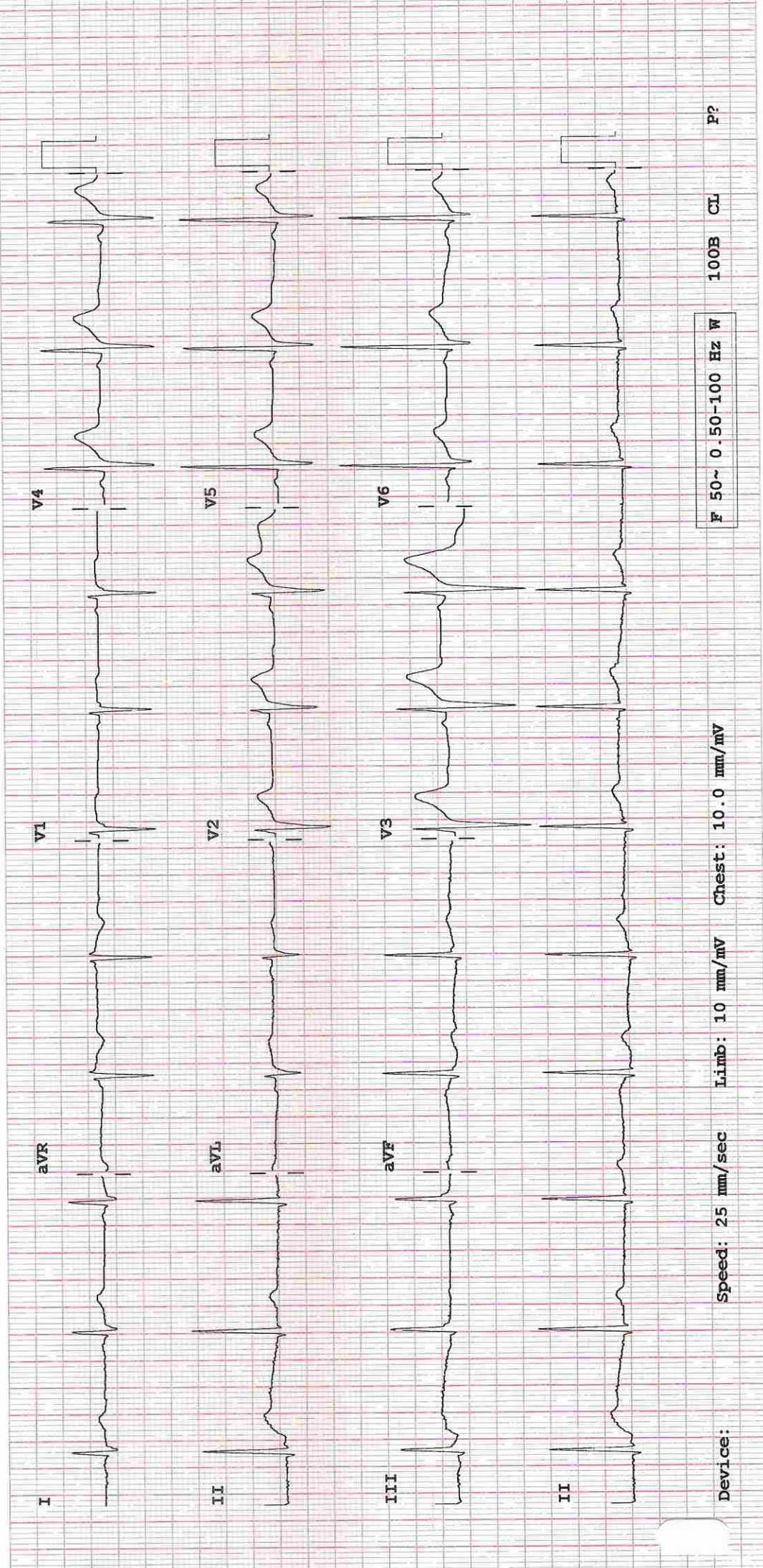
Rate 65 . Sinus rhythm.....normal P axis, V-rate 50- 99  
PR 130 . ST elev, probable normal early repol pattern.....ST elevation, age<55  
QRS 99 . Baseline wander in lead(s) V5  
QT 377  
QTc 392

--AXIS--  
P -14  
QRS 75  
T 33

- NORMAL ECG -

12 Lead; Standard Placement

Unconfirmed Diagnosis



Device: Speed: 25 mm/sec Limb: 10 mm/mV Chest: 10.0 mm/mV

F 50~ 0.50-100 Hz W

100B CL P?



(For Billing/Reports & Discharge Summary only)

DEPARTMENT OF NIC

Date: 30/Mar/2024

Name: Mr. Tanveer Sarma

UHID | Episode No : 11893183 | 18316/24/1501

Age | Sex: 32 YEAR(S) | Male

Order No | Order Date: 1501/PN/OP/2403/38360 | 30-Mar-2024

Order Station : FO-OPD

Admitted On | Reporting Date : 30-Mar-2024 12:39:55

Bed Name :

Order Doctor Name : Dr.SELF.

ECHOCARDIOGRAPHY TRANSTHORACIC

**FINDINGS:**

- No left ventricle regional wall motion abnormality at rest.
- Normal left ventricle systolic function. LVEF = 60%.
- No left ventricle diastolic dysfunction. No e/o raised LVEDP.
- Trivial mitral regurgitation.
- No aortic regurgitation. No aortic stenosis.
- Trivial tricuspid regurgitation. No pulmonary hypertension. PASP = 25 mm of Hg.
- Intact IVS and IAS.
- No left ventricle clot/vegetation/pericardial effusion.
- Normal right atrium and right ventricle dimension.
- Normal left atrium and left ventricle dimension.
- Normal right ventricle systolic function. No hepatic congestion.
- IVC measures 16 mm with normal inspiratory collapse .

**M-MODE MEASUREMENTS:**

LA	29	mm
AO Root	20	mm
AO CUSP SEP	15	mm
LVID (s)	30	mm
LVID (d)	46	mm
IVS (d)	11	mm
LVPW (d)	11	mm
RVID (d)	30	mm
RA	32	mm
LVEF	60	%

Hiranandani Healthcare Pvt. Ltd.

Mini Sea Shore Road, Sector 10-A, Vashi, Navi Mumbai - 400703.

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Emergency: 022 - 39199100 | Ambulance: 1255

For Appointment: 022 - 39199200 | Health Checkup: 022 - 39199300

www.fortishealthcare.com | vashi@fortishealthcare.com

CIN: U85100MH2005PTC 154823

GST IN : 27AABCH5894D1ZG

PAN NO : AABCH5894D



Hiranandani  
HOSPITAL  
(A Fortis Network Hospital)

(For Billing/Reports & Discharge Summary only)

DEPARTMENT OF NIC

Date: 30/Mar/2024

Name: Mr. Tanveer Sarma

UHID | Episode No : 11893183 | 18316/24/1501

Age | Sex: 32 YEAR(S) | Male

Order No | Order Date: 1501/PN/OP/2403/38360 | 30-Mar-2024

Order Station : FO-OPD

Admitted On | Reporting Date : 30-Mar-2024 12:39:55

Bed Name :

Order Doctor Name : Dr.SELF .

**DOPPLER STUDY:**

E WAVE VELOCITY: 1.3m/sec.

A WAVE VELOCITY:0.9m/sec

E/A RATIO: 1.3

	PEAK (mmHg)	MEAN (mmHg)	V max (m/sec)	GRADE OF REGURGITATION
MITRAL VALVE	N			Trivial
AORTIC VALVE	05			Nil
TRICUSPID VALVE	25			Trivial
PULMONARY VALVE	2.0			Nil

**Final Impression :**

- No RWMA.
- Trivial MR and TR. No PH.
- Normal LV and RV systolic function.

DR. PRASHANT PAWAR  
DNB(MED), DNB (CARD)

DR.AMIT SINGH,  
MD(MED),DM(CARD)

Hiranandani Healthcare Pvt. Ltd.

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CIN: U85100MH2005PTC 154823

GST IN : 27AABCH5894D1ZG

PAN NO : AABCH5894D



(For Billing/Reports & Discharge Summary only)

DEPARTMENT OF RADIOLOGY

Date: 30/Mar/2024

Name: Mr. Tanveer Sarma

Age | Sex: 32 YEAR(S) | Male

Order Station : FO-OPD

Bed Name :

UHID | Episode No : 11893183 | 18316/24/1501

Order No | Order Date: 1501/PN/OP/2403/38360 | 30-Mar-2024

Admitted On | Reporting Date : 30-Mar-2024 21:46:46

Order Doctor Name : Dr.SELF .

X-RAY-CHEST- PA

**Findings:**

Both lung fields are clear.

The cardiac shadow appears within normal limits.

Trachea and major bronchi appears normal.

Both costophrenic angles are well maintained.

Bony thorax are unremarkable.

**DR. SIDDHESH PURUSHOTTAM**  
MD, DNB (Radiologist)



(For Billing/Reports & Discharge Summary only)

Patient Name	:	Tanveer Sarma	Patient ID	:	11893183
Sex / Age	:	M / 32Y 1M 4D	Accession No.	:	PHC.7828239
Modality	:	US	Scan DateTime	:	30-03-2024 11:59:30
IPID No	:	18316/24/1501	ReportDatetime	:	30-03-2024 12:11:22

**USG – WHOLE ABDOMEN**

**LIVER** is normal in size and echogenicity. No IHBR dilatation. No focal lesion is seen in liver. Portal vein appears normal in caliber.

**GALL BLADDER** is physiologically distended. Gall bladder reveals normal wall thickness. No evidence of calculi in gall bladder. No evidence of pericholecystic collection.

**CBD** appears normal in caliber.

**SPLEEN** is normal in size and echogenicity.

**BOTH KIDNEYS** are normal in size and echogenicity. The central sinus complex is normal. No evidence of calculi/hydronephrosis.

Right kidney measures 9.2 x 4.0 cm.

Left kidney measures 10.8 x 5.3 cm.

**PANCREAS & RETROPERITONEUM** are obscured due to bowel gas.

**URINARY BLADDER** is normal in capacity and contour. Bladder wall is normal in thickness. No evidence of intravesical calculi.

**PROSTATE** is normal in size & echogenicity. It measures ~ 22.1 cc in volume.

No evidence of ascites.

**Impression:**

- No significant abnormality is detected.

**DR. KUNAL NIGAM**

**M.D. (Radiologist)**