Hiranandani
HOSPITAL
(A Fortis Network Hospital)

Hiranandani Fortis Hospital
Mini Seashore Road,
Sector 10 - A, Vashi,
Navi Mumbai - 400 703.
Tel. : +91-22-3919 9222
Fax : +91-22-3919 9220/21
Email : vashi@vashihospital.com

BMI CHART

Date: 09 / 04 / 2

Name: Mr Rahul Kumar Das Age: 33 yrs Sex: M / F

BP: 130/80 mm Hg Height (cms): 175 cm Weight(kgs): 75.5. kg BMI: _____

WEIGHT lbs	100	105	100	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185	190	195	200	205	210	215
kgs	45.5	47.7	50.50	52.3	54.5	56.8	59.1	61.4	63.6	65.9	68.2	70.5	72.7	75.0	77.3	79.5	81.8	84.1	86.4	88.6	90.9	93.2	95.5	97.7
HEIGHT in/cm	Underweight					Healthy					Overweight					Obese				Extremely Obese				
5'0" - 152.4	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
5'1" - 154.9	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	36	37	38	39	40
5'2" - 157.4	18	19	20	21	22	22	23	24	25	26	27	28	29	30	31	32	33	33	34	35	36	37	38	39
5'3" - 160.0	17	18	19	20	21	22	23	24	24	25	26	27	28	29	30	31	32	32	33	34	35	36	37	38
5'4" - 162.5	17	18	18	19	20	21	22	23	24	24	25	26	27	28	29	30	31	31	32	33	34	35	36	37
5'5" - 165.1	16	17	18	19	20	20	21	22	23	24	25	25	26	27	28	29	30	30	31	32	33	34	35	35
5'6" - 167.6	16	17	17	18	19	20	21	21	22	23	24	25	25	26	27	28	29	29	30	31	32	33	34	34
5'7" - 170.1	15	16	17	18	18	19	20	21	22	22	23	24	25	25	26	27	28	29	29	30	31	32	33	33
5'8" - 172.7	15	16	16	17	18	19	19	20	21	22	22	23	24	25	25	26	27	28	28	29	30	31	32	32
5'9" - 176.2	14	15	16	17	17	18	19	20	20	21	22	22	23	24	25	25	26	27	28	28	29	30	31	31
5'10" - 177.8	14	15	15	16	17	18	18	19	20	20	21	22	23	23	24	25	25	26	27	28	28	29	30	30
5'11" - 180.3	14	14	15	16	16	17	18	18	19	20	21	21	22	23	23	24	25	25	26	27	28	28	29	30
6'0" - 182.8	13	14	14	15	16	17	17	18	19	19	20	21	21	22	23	23	24	25	25	26	27	27	28	29
6'1" - 185.4	13	13	14	15	15	16	17	17	18	19	19	20	21	21	22	23	23	24	25	25	26	27	27	28
6'2" - 187.9	12	13	14	14	15	16	16	17	18	18	19	19	20	21	21	22	23	23	24	25	25	26	27	27
6'3" - 190.5	12	13	13	14	15	15	16	16	17	18	18	19	20	20	21	21	22	23	23	24	25	25	26	26
6'4" - 193.0	12	12	13	14	14	15	15	16	17	17	18	18	19	20	20	21	22	22	23	23	24	25	25	26

Doctors Notes:

Signature

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
For Appointment: 022 - 39199222 | Health Checkup: 022 - 39199300
www.fortishealthcare.com |
CIN : U85100MH2005PTC154823
GST IN: 27AABCH5894D1ZG | PAN NO: AABCH5894D

UHID	**12283960**	**Date**	**09/02/2023**		
Name	**Mr.Rahul Kumar Das**	**Sex**	**Male**	**Age**	**33**
OPD	**Opthal 14**	**Health Check Up**			

Drug allergy:→ Not know.
Sys illness: → No.

Cls, NO

HG NO

Unaided V → RE 6/6.
→ LE 6/6.

Refraction → RE. Plano 6/6.
→ LE. Plano 6/6.

NV → RE N6
→ LE N6

IOP → RE. 15.0.
→ LE. 17.2.

[signature]

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9/12

UHID	12283960	Date	09/02/2023		
Name	Mr.Rahul Kumar Das	Sex	Male	Age	33
OPD	Dental 12	Health Check Up			

Drug allergy:
Sys illness:

Caries 11

filling dislodged 16

stains ++ calculus +

Treatment

Adv. filling 11

Adv Cap 16

Adv oral prophylaxis

Dr Diksha Kela

LABORATORY REPORT

Patient Ref. No. 22000000827541

Cert. No. MC-2275

CLIENT CODE : C000045507

CLIENT'S NAME AND ADDRESS :
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FORTIS HOSPITAL # VASHI,

MUMBAI 440001
MAHARASHTRA INDIA

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NAVI MUMBAI, 400703
MAHARASHTRA, INDIA
Tel : 022-39199222,022-49723322,
CIN - U74899PB1995PLC045956
Email : -

PATIENT NAME : MR.RAHUL KUMAR DAS PATIENT ID : **FH.12283960**

ACCESSION NO : **0022WB001632** AGE : 33 Years SEX : Male ABHA NO :

DRAWN : 09/02/2023 09:04:00 RECEIVED : 09/02/2023 09:04:30 REPORTED : 09/02/2023 13:29:23

CLIENT PATIENT ID : UID:12283960

REFERRING DOCTOR : SELF

CLINICAL INFORMATION :

UID:12283960 REQNO-1369571
CORP-OPD
BILLNO-150123OPCR007952
BILLNO-150123OPCR007952

Test Report Status **Final**	Results	Biological Reference Interval	Units
KIDNEY PANEL - 1			
BLOOD UREA NITROGEN (BUN), SERUM			
BLOOD UREA NITROGEN	13	6 - 20	mg/dL
METHOD : UREASE - UV			
CREATININE EGFR- EPI			
CREATININE	0.95	0.90 - 1.30	mg/dL
METHOD : ALKALINE PICRATE KINETIC JAFFES			
AGE	33		years
GLOMERULAR FILTRATION RATE (MALE)	108.39	Refer Interpretation Below	mL/min/1.7
METHOD : CALCULATED PARAMETER			
BUN/CREAT RATIO			
BUN/CREAT RATIO	13.68	5.00 - 15.00	
METHOD : CALCULATED PARAMETER			
URIC ACID, SERUM			
URIC ACID	5.8	3.5 - 7.2	mg/dL
METHOD : URICASE UV			
TOTAL PROTEIN, SERUM			
TOTAL PROTEIN	7.5	6.4 - 8.2	g/dL
METHOD : BIURET			
ALBUMIN, SERUM			
ALBUMIN	3.8	3.4 - 5.0	g/dL
METHOD : BCP DYE BINDING			
GLOBULIN			
GLOBULIN	3.7	2.0 - 4.1	g/dL
METHOD : CALCULATED PARAMETER			
ELECTROLYTES (NA/K/CL), SERUM			
SODIUM, SERUM	140	136 - 145	mmol/L
METHOD : ISE INDIRECT			
POTASSIUM, SERUM	4.60	3.50 - 5.10	mmol/L
METHOD : ISE INDIRECT			

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Test Report Status **Final**	Results	Biological Reference Interval	Units
CHLORIDE, SERUM METHOD : ISE INDIRECT	103	98 - 107	mmol/L

Interpretation(s)

PHYSICAL EXAMINATION, URINE

COLOR METHOD : PHYSICAL	PALE YELLOW		
APPEARANCE METHOD : VISUAL	CLEAR		

CHEMICAL EXAMINATION, URINE

PH METHOD : REFLECTANCE SPECTROPHOTOMETRY- DOUBLE INDICATOR METHOD	6.0	4.7 - 7.5	
SPECIFIC GRAVITY METHOD : REFLECTANCE SPECTROPHOTOMETRY (APPARENT PKA CHANGE OF PRETREATED POLYELECTROLYTES IN RELATION TO IONIC CONCENTRATION)	>=1.030	1.003 - 1.035	
PROTEIN METHOD : REFLECTANCE SPECTROPHOTOMETRY - PROTEIN-ERROR-OF-INDICATOR PRINCIPLE	NOT DETECTED	NOT DETECTED	
GLUCOSE METHOD : REFLECTANCE SPECTROPHOTOMETRY, DOUBLE SEQUENTIAL ENZYME REACTION-GOD/POD	NOT DETECTED	NOT DETECTED	
KETONES METHOD : REFLECTANCE SPECTROPHOTOMETRY, ROTHERA'S PRINCIPLE	NOT DETECTED	NOT DETECTED	
BLOOD METHOD : REFLECTANCE SPECTROPHOTOMETRY, PEROXIDASE LIKE ACTIVITY OF HAEMOGLOBIN	NOT DETECTED	NOT DETECTED	
BILIRUBIN METHOD : REFLECTANCE SPECTROPHOTOMETRY, DIAZOTIZATION- COUPLING OF BILIRUBIN WITH DIAZOTIZED SALT	NORMAL	NORMAL	
UROBILINOGEN METHOD : REFLECTANCE SPECTROPHOTOMETRY (MODIFIED EHRLICH REACTION)	NOT DETECTED	NOT DETECTED	
NITRITE METHOD : REFLECTANCE SPECTROPHOTOMETRY, CONVERSION OF NITRATE TO NITRITE	NOT DETECTED	NOT DETECTED	
LEUKOCYTE ESTERASE METHOD : REFLECTANCE SPECTROPHOTOMETRY, ESTERASE HYDROLYSIS ACTIVITY			

MICROSCOPIC EXAMINATION, URINE

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BILLNO-150123OPCR007952
BILLNO-150123OPCR007952

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

Interpretation(s)
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, SIADH.
CREATININE EGFR- EPI-GFR— Glomerular filtration rate (GFR) is a measure of the function of the kidneys. The GFR is a calculation based on a serum creatinine test. Creatinine is a muscle waste product that is filtered from the blood by the kidneys and excreted into urine at a relatively steady rate. When kidney function decreases, creatinine is excreted and concentrations increase in the blood. With the creatinine test, a reasonable estimate of the actual GFR can be determined.
A GFR of 60 or higher is in the normal range.
A GFR below 60 may mean kidney disease.
A GFR of 15 or lower may mean kidney failure.
Estimated GFR (eGFR) is the preferred method for identifying people with chronic kidney disease (CKD). In adults, eGFR calculated using the Modification of Diet in Re
Disease (MDRD) Study equation provides a more clinically useful measure of kidney function than serum creatinine alone.
The CKD-EPI creatinine equation is based on the same four variables as the MDRD Study equation, but uses a 2-slope spline to model the relationship between estima
GFR and serum creatinine, and a different relationship for age, sex and race. The equation was reported to perform better and with less bias than the MDRD Study eq
especially in patients with higher GFR. This results in reduced misclassification of CKD.
The CKD-EPI creatinine equation has not been validated in children & will only be reported for patients = 18 years of age. For pediatric and childrens, Schwartz Pediat
Bedside eGFR (2009) formulae is used. This revised "bedside" pediatric eGFR requires only serum creatinine and height.
URIC ACID, SERUM-**Causes of Increased levels:-**Dietary(High Protein Intake,Prolonged Fasting,Rapid weight loss),Gout,Lesch nyhan syndrome,Type 2 DM,Metaboli

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

syndrome
Causes of decreased levels-Low Zinc intake,OCP,Multiple Sclerosis
TOTAL PROTEIN, SERUM-Serum 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, Waldenstrom''''''''''''''''s 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 seru 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.

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Test Report Status **Final**	Results	Biological Reference Interval	Units
HAEMATOLOGY - CBC			
CBC-5, EDTA WHOLE BLOOD			
BLOOD COUNTS, EDTA WHOLE BLOOD			
HEMOGLOBIN (HB) METHOD : SPECTROPHOTOMETRY	13.8	13.0 - 17.0	g/dL
RED BLOOD CELL (RBC) COUNT METHOD : ELECTRICAL IMPEDANCE	4.92	4.5 - 5.5	mil/µL
WHITE BLOOD CELL (WBC) COUNT METHOD : DOUBLE HYDRODYNAMIC SEQUENTIAL SYSTEM(DHSS)CYTOMETRY	5.91	4.0 - 10.0	thou/µL
PLATELET COUNT METHOD : ELECTRICAL IMPEDANCE	**135**	**Low** 150 - 410	thou/µL
RBC AND PLATELET INDICES			
HEMATOCRIT (PCV) METHOD : CALCULATED PARAMETER	42.3	40 - 50	%
MEAN CORPUSCULAR VOLUME (MCV) METHOD : CALCULATED PARAMETER	85.9	83 - 101	fL
MEAN CORPUSCULAR HEMOGLOBIN (MCH) METHOD : CALCULATED PARAMETER	28.1	27.0 - 32.0	pg
MEAN CORPUSCULAR HEMOGLOBIN CONCENTRATION(MCHC) METHOD : CALCULATED PARAMETER	32.7	31.5 - 34.5	g/dL
RED CELL DISTRIBUTION WIDTH (RDW) METHOD : CALCULATED PARAMETER	**15.4**	**High** 11.6 - 14.0	%
MENTZER INDEX	17.5		
MEAN PLATELET VOLUME (MPV) METHOD : CALCULATED PARAMETER	**11.9**	**High** 6.8 - 10.9	fL
WBC DIFFERENTIAL COUNT			
NEUTROPHILS METHOD : FLOWCYTOMETRY	64	40 - 80	%
LYMPHOCYTES METHOD : FLOWCYTOMETRY	24	20 - 40	%

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MONOCYTES	6	2 - 10	%
METHOD : FLOWCYTOMETRY			
EOSINOPHILS	6	1 - 6	%
METHOD : FLOWCYTOMETRY			
BASOPHILS	0	0 - 2	%
METHOD : FLOWCYTOMETRY			
ABSOLUTE NEUTROPHIL COUNT	3.78	2.0 - 7.0	thou/µL
METHOD : CALCULATED PARAMETER			
ABSOLUTE LYMPHOCYTE COUNT	1.42	1.0 - 3.0	thou/µL
METHOD : CALCULATED PARAMETER			
ABSOLUTE MONOCYTE COUNT	0.35	0.2 - 1.0	thou/µL
METHOD : CALCULATED PARAMETER			
ABSOLUTE EOSINOPHIL COUNT	0.35	0.02 - 0.50	thou/µL
METHOD : CALCULATED PARAMETER			
ABSOLUTE BASOPHIL COUNT	**0**	**Low** 0.02 - 0.10	thou/µL
METHOD : CALCULATED PARAMETER			
NEUTROPHIL LYMPHOCYTE RATIO (NLR)	2.6		
METHOD : CALCULATED PARAMETER			
MORPHOLOGY			
RBC	PREDOMINANTLY NORMOCYTIC NORMOCHROMIC		
METHOD : MICROSCOPIC EXAMINATION			
WBC	NORMAL MORPHOLOGY		
METHOD : MICROSCOPIC EXAMINATION			
PLATELETS	REDUCED ON SMEAR , MACROPLATELETS SEEN		
METHOD : MICROSCOPIC EXAMINATION			

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(>1
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 fo
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 positiv

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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) 10650
This ratio element is a calculated parameter and out of NABL scope.

HAEMATOLOGY

ERYTHROCYTE SEDIMENTATION RATE (ESR),WHOLE BLOOD

E.S.R	**28**	**High**	0 - 14	mm at 1 hr

METHOD : WESTERGREN METHOD

Interpretation(s)
ERYTHROCYTE SEDIMENTATION RATE (ESR),WHOLE 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) th 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, Vasculities, 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(62 if anemic) and in second trimester (0-70 mm /hr(95 if anemic). ESR returns to normal 4th week post partum.
Decreased in: Polycythermia 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 the adult reference range is "Practical Haematology by Dacie and Lewis,10th edition.

IMMUNOHAEMATOLOGY

ABO GROUP & RH TYPE, EDTA WHOLE BLOOD

ABO GROUP	TYPE O
METHOD : TUBE AGGLUTINATION	
RH TYPE	POSITIVE
METHOD : TUBE AGGLUTINATION	

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LABORATORY REPORT

Patient Ref. No. 22000000827541

Cert. No. MC-2275

CLIENT CODE : C000045507

CLIENT'S NAME AND ADDRESS :
FORTIS VASHI-CHC -SPLZD
FORTIS HOSPITAL # VASHI,

MUMBAI 440001
MAHARASHTRA INDIA

SRL Ltd
HIRANANDANI HOSPITAL-VASHI, MINI SEASHORE ROAD, SECTOR 1
NAVI MUMBAI, 400703
MAHARASHTRA, INDIA
Tel : 022-39199222,022-49723322,
CIN - U74899PB1995PLC045956
Email : -

PATIENT NAME : MR.RAHUL KUMAR DAS

PATIENT ID : **FH.12283960**

ACCESSION NO : **0022WB001632** AGE : 33 Years SEX : Male ABHA NO :

DRAWN : 09/02/2023 09:04:00 RECEIVED : 09/02/2023 09:04:30 REPORTED : 09/02/2023 13:29:23

CLIENT PATIENT ID : UID:12283960

REFERRING DOCTOR : SELF

CLINICAL INFORMATION :

UID:12283960 REQNO-1369571
CORP-OPD
BILLNO-150123OPCR007952
BILLNO-150123OPCR007952

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

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.

BIOCHEMISTRY

LIVER FUNCTION PROFILE, SERUM

BILIRUBIN, TOTAL	0.74		0.2 - 1.0	mg/dL
METHOD : JENDRASSIK AND GROFF				
BILIRUBIN, DIRECT	0.13		0.0 - 0.2	mg/dL
METHOD : JENDRASSIK AND GROFF				
BILIRUBIN, INDIRECT	0.61		0.1 - 1.0	mg/dL
METHOD : CALCULATED PARAMETER				
TOTAL PROTEIN	7.5		6.4 - 8.2	g/dL
METHOD : BIURET				
ALBUMIN	3.8		3.4 - 5.0	g/dL
METHOD : BCP DYE BINDING				
GLOBULIN	3.7		2.0 - 4.1	g/dL
METHOD : CALCULATED PARAMETER				
ALBUMIN/GLOBULIN RATIO	1.0		1.0 - 2.1	RATIO
METHOD : CALCULATED PARAMETER				
ASPARTATE AMINOTRANSFERASE (AST/SGOT)	**52**	**High**	15 - 37	U/L
METHOD : UV WITH P5P				
ALANINE AMINOTRANSFERASE (ALT/SGPT)	**107**	**High**	< 45.0	U/L
METHOD : UV WITH P5P				
ALKALINE PHOSPHATASE	**122**	**High**	30 - 120	U/L
METHOD : PNPP-ANP				
GAMMA GLUTAMYL TRANSFERASE (GGT)	60		15 - 85	U/L
METHOD : GAMMA GLUTAMYLCARBOXY 4NITROANILIDE				

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Email : -

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PATIENT ID : **FH.12283960**

ACCESSION NO : **0022WB001632** AGE : 33 Years SEX : Male

ABHA NO :

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REFERRING DOCTOR : SELF

CLINICAL INFORMATION :

UID:12283960 REQNO-1369571
CORP-OPD
BILLNO-150123OPCR007952
BILLNO-150123OPCR007952

Test Report Status **Final**	Results	Biological Reference Interval	Units
LACTATE DEHYDROGENASE	**195**	**High** 100 - 190	U/L
METHOD : LACTATE -PYRUVATE			
GLUCOSE FASTING,FLUORIDE PLASMA			
FBS (FASTING BLOOD SUGAR)	**101**	**High** 74 - 99	mg/dL
METHOD : HEXOKINASE			
GLYCOSYLATED HEMOGLOBIN(HBA1C), EDTA WHOLE BLOOD			
HBA1C	5.3	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)			
ESTIMATED AVERAGE GLUCOSE(EAG)	105.4	< 116.0	mg/dL
METHOD : CALCULATED PARAMETER			

Interpretation(s)
LIVER FUNCTION PROFILE, SERUM-LIVER FUNCTION PROFILE
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 (e
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) biliru
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,hemolyt
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
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 obstruct
Osteoblastic bone tumors, osteomalacia, hepatitis, Hyperparathyroidism, Leukemia, Lymphoma, Paget''''s disease,Rickets,Sarcoidosis etc. Lower-than-normal ALP levels
seen in Hypophosphatasia,Malnutrition,Protein deficiency,Wilson''''s 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 considere
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,bi
system and pancreas.Conditions that increase serum GGT are obstructive liver disease,high alcohol consumption and use of enzyme-inducing drugs etc.Serum 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,Waldenstrom''''s
disease.Lower-than-normal levels may be due to: Agammaglobulinemia,Bleeding (hemorrhage),Burns,Glomerulonephritis,Liver disease, Malabsorption,Malnutrition,Nep
syndrome,Protein-losing enteropathy etc.Human serum albumin is the most abundant protein in human blood plasma.It is produced in the liver.Albumin constitutes ab
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-losir

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MAHARASHTRA INDIA

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Email : -

PATIENT NAME : MR.RAHUL KUMAR DAS PATIENT ID : **FH.12283960**

ACCESSION NO : **0022WB001632** AGE : 33 Years SEX : Male ABHA NO :

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REFERRING DOCTOR : SELF CLIENT PATIENT ID : UID:12283960

CLINICAL INFORMATION :

UID:12283960 REQNO-1369571
CORP-OPD
BILLNO-150123OPCR007952
BILLNO-150123OPCR007952

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

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 sothat no glucose is excreted in th 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; sulfonylureas,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 Glyosuria, Glycaemic index & response to food consumed, Alimentary Hypoglycemia, Increased insulin response & sensitivity etc.
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 patients metabolic control has remained continuously within the target range.
1.eAG (Estimated average glucose) converts percentage HbA1c to md/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 :
I.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.
II.Vitamin C & E are reported to falsely lower test results.(possibly by inhibiting glycation of hemoglobin.
III.Iron deficiency anemia is reported to increase test results. Hypertriglyceridemia,uremia, hyperbilirubinemia, chronic alcoholism,chronic ingestion of salicylates & opiate addiction are reported to interfere with some assay methods,falsely increasing results.
IV.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 paltform (Boronate affinity chromatography) is recommended for testing of HbA1c.Abnormal Hemoglobin electrophoresis (HPLC method) is recommended for detecting a hemoglobinopathy

BIOCHEMISTRY - LIPID

LIPID PROFILE, SERUM

CHOLESTEROL, TOTAL	126	< 200 Desirable 200 - 239 Borderline High >/= 240 High	mg/dL

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

TRIGLYCERIDES	71	< 150 Normal 150 - 199 Borderline High 200 - 499 High >/=500 Very High	mg/dL

METHOD : ENZYMATIC ASSAY

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FORTIS VASHI-CHC -SPLZD
FORTIS HOSPITAL # VASHI,

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MAHARASHTRA INDIA

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Tel : 022-39199222,022-49723322,
CIN - U74899PB1995PLC045956
Email : -

PATIENT NAME : MR.RAHUL KUMAR DAS PATIENT ID : **FH.12283960**

ACCESSION NO : **0022WB001632** AGE : 33 Years SEX : Male ABHA NO :

DRAWN : 09/02/2023 09:04:00 RECEIVED : 09/02/2023 09:04:30 REPORTED : 09/02/2023 13:29:23

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REFERRING DOCTOR : SELF

CLINICAL INFORMATION :

UID:12283960 REQNO-1369571
CORP-OPD
BILLNO-150123OPCR007952
BILLNO-150123OPCR007952

Test Report Status **Final**	Results		Biological Reference Interval	Units
HDL CHOLESTEROL	**36**	**Low**	< 40 Low >/=60 High	mg/dL
METHOD : DIRECT MEASURE - PEG LDL CHOLESTEROL, DIRECT	76		< 100 Optimal 100 - 129 Near or above optimal 130 - 159 Borderline High 160 - 189 High >/= 190 Very High	mg/dL
METHOD : DIRECT MEASURE WITHOUT SAMPLE PRETREATMENT NON HDL CHOLESTEROL	90		Desirable: Less than 130 Above Desirable: 130 - 159 Borderline High: 160 - 189 High: 190 - 219 Very high: > or = 220	mg/dL
METHOD : CALCULATED PARAMETER VERY LOW DENSITY LIPOPROTEIN	14.2		</= 30.0	mg/dL
METHOD : CALCULATED PARAMETER CHOL/HDL RATIO	3.5		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 LDL/HDL RATIO	2.1		0.5 - 3.0 Desirable/Low Risk 3.1 - 6.0 Borderline/Moderate Risk >6.0 High Risk	

METHOD : CALCULATED PARAMETER

Interpretation(s)

****End Of Report****
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LABORATORY REPORT

Patient Ref. No. 22000000827541

Cert. No. MC-2275

CLIENT CODE : C000045507

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

Dr.Akta Dubey
Counsultant Pathologist

Dr. Rekha Nair, MD
Microbiologist

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LABORATORY REPORT

Patient Ref. No. 22000000827553

Cert. No. MC-2275

CLIENT CODE : C000045507

CLIENT'S NAME AND ADDRESS :
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CIN - U74899PB1995PLC045956
Email : -

PATIENT NAME : MR.RAHUL KUMAR DAS

PATIENT ID : **FH.12283960**

ACCESSION NO : **0022WB001644** AGE : 33 Years SEX : Male ABHA NO :

DRAWN : 09/02/2023 11:25:00 RECEIVED : 09/02/2023 11:25:00 REPORTED : 09/02/2023 12:33:18

CLIENT PATIENT ID : UID:12283960

REFERRING DOCTOR :

CLINICAL INFORMATION :

UID:12283960 REQNO-1369571
CORP-OPD
BILLNO-150123OPCR007952
BILLNO-150123OPCR007952

Test Report Status **Final**	Results	Biological Reference Interval	Units
BIOCHEMISTRY			
GLUCOSE, POST-PRANDIAL, PLASMA			
PPBS(POST PRANDIAL BLOOD SUGAR)	88	70 - 139	mg/dL
METHOD : HEXOKINASE			

Comments

NOTE: POST PRANDIAL PLASMA GLUCOSE VALUES. TO BE CORRELATE WITH CLINICAL, DIETETIC AND THERAPEUTIC HISTORY.

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 Glyosuria, Glycaemic index & response to food consumed, Alimentary Hypoglycemia, Increased insulin response & sensitivity etc.Additional test HbA1c

****End Of Report****

Please visit www.srlworld.com for related Test Information for this accession

Dr.Akta Dubey
Counsultant Pathologist

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LABORATORY REPORT

Patient Ref. No. 22000000827541

Cert. No. MC-2984

CLIENT CODE : C000045507

CLIENT'S NAME AND ADDRESS :
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MAHARASHTRA, INDIA
Tel : 9111591115,
CIN - U74899PB1995PLC045956

PATIENT NAME : MR.RAHUL KUMAR DAS

PATIENT ID : **FH.12283960**

ACCESSION NO : **0022WB001632** AGE : 33 Years SEX : Male ABHA NO :

DRAWN : 09/02/2023 09:04:00 RECEIVED : 09/02/2023 09:04:30 REPORTED : 09/02/2023 13:44:42

CLIENT PATIENT ID : UID:12283960

REFERRING DOCTOR : SELF

CLINICAL INFORMATION :

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CORP-OPD
BILLNO-150123OPCR007952
BILLNO-150123OPCR007952

Test Report Status **Final**	Results	Biological Reference Interval	Units
SPECIALISED CHEMISTRY - HORMONE			
THYROID PANEL, SERUM			
T3	117.20	80 - 200	ng/dL
METHOD : ELECTROCHEMILUMINESCENCE, COMPETITIVE IMMUNOASSAY			
T4	7.41	5.1 - 14.1	µg/dL
METHOD : ELECTROCHEMILUMINESCENCE, COMPETITIVE IMMUNOASSAY			
TSH (ULTRASENSITIVE)	**4.580**	**High** 0.270 - 4.200	µIU/mL
METHOD : ELECTROCHEMILUMINESCENCE, COMPETITIVE IMMUNOASSAY			

Comments

NOTE: PLEASE CORRELATE VALUES OF THYROID FUNCTION TEST WITH THE CLINICAL & TREATMENT HISTORY OF THE PATIENT.

Interpretation(s)

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LABORATORY REPORT

Patient Ref. No. 22000000827541

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CLIENT CODE : C000045507

CLIENT'S NAME AND ADDRESS :
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Test Report Status **Final**	Results	Biological Reference Interval	Units
SPECIALISED CHEMISTRY - TUMOR MARKER			
PROSTATE SPECIFIC ANTIGEN, SERUM			
PROSTATE SPECIFIC ANTIGEN	1.170	< 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 prost
- 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 patient.
- It 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 l (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 referen range can be used as a guide lines-

Age of male	Reference range (ng/ml)
40-49 years	0-2.5
50-59 years	0-3.5
60-69 years	0-4.5
70-79 years	0-6.5

(* conventional reference level (< 4 ng/ml) is already mentioned in report,which covers all agegroup with 95% prediction interval)

References- Teitz ,textbook of clinical chemiistry, 4th edition) 2.Wallach's Interpretation of Diagnostic Tests

****End Of Report****

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Dr. Swapnil Sirmukaddam
Consultant Pathologist

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12283960
33 Years

RAHUL DAS
Male

2/9/2023 9:58:27 AM

HC

Rate 94
PR 141
QRSD 98
QT 342
QTc 428

--AXIS--
P 48
QRS 69
T 20

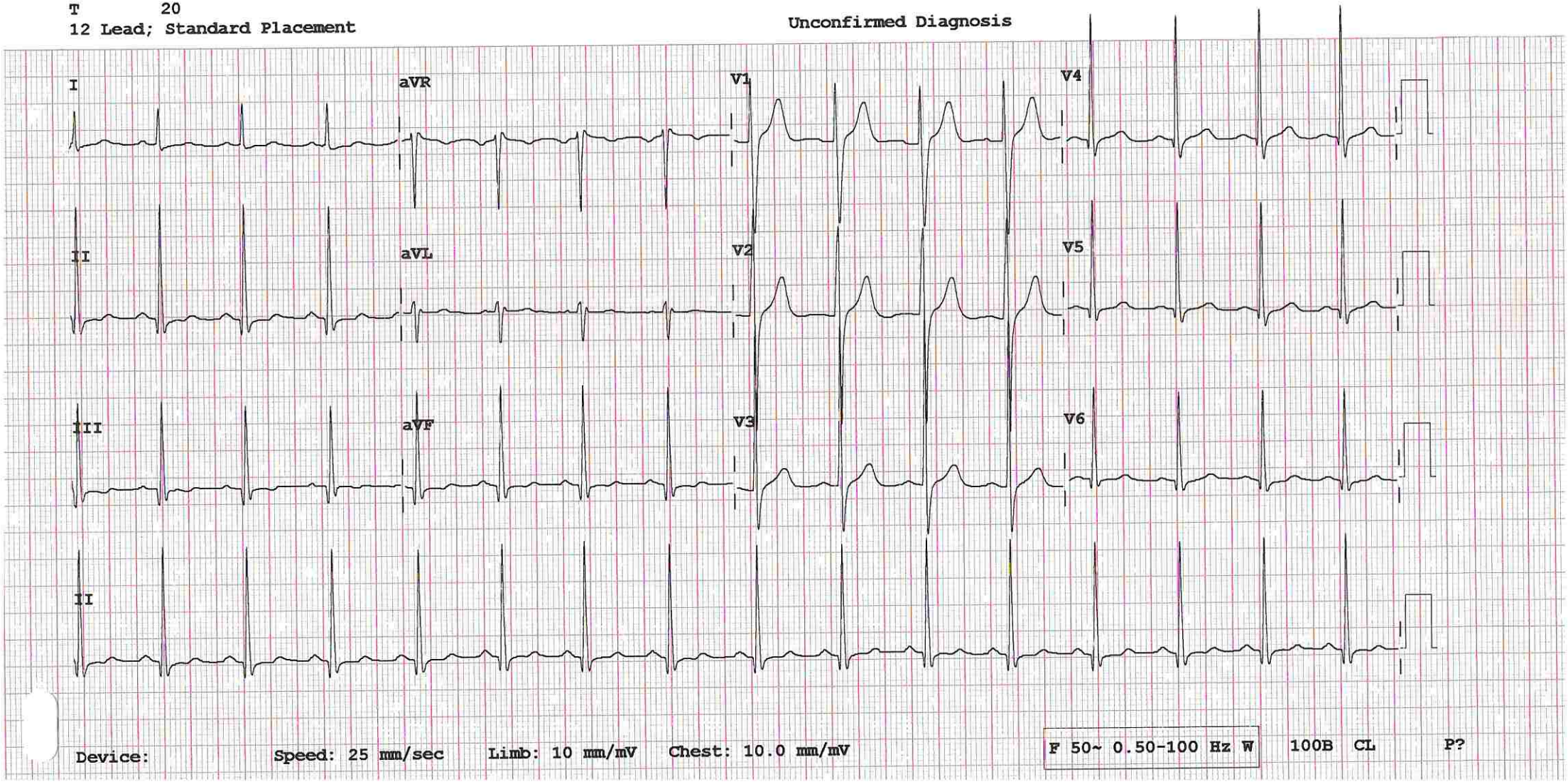
12 Lead; Standard Placement

. Sinus rhythm.....normal P axis, V-rate 50- 99
. Borderline ST elevation, anterior leads.....ST >0.15mV in V1-V4

Sinus rhythm
Normal

- BORDERLINE ECG -

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?

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PAN NO : AABCH5894D

Hiranandani HOSPITA (A Fortis Network Hospit

(For Billing/Reports & Discharge Summary only)

Date: 09/Feb/2023

DEPARTMENT OF NIC

Name: Mr. Rahul Kumar Das
Age | Sex: 33 YEAR(S) | Male
Order Station : FO-OPD
Bed Name :

UHID | Episode No : 12283960 | 8167/23/1501
Order No | Order Date: 1501/PN/OP/2302/16724 | 09-Feb-2023
Admitted On | Reporting Date : 09-Feb-2023 13:28:25
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 left ventricle Hypertrophy. No left ventricle dilatation.
- Structurally normal valves.
- No mitral regurgitation.
- No aortic regurgitation. No aortic stenosis.
- No tricuspid regurgitation. No pulmonary hypertension.
- Intact IAS and IVS.
- No left ventricle clot/vegetation/pericardial effusion.
- Normal right atrium and right ventricle dimensions.
- Normal left atrium and left ventricle dimension.
- Normal right ventricle systolic function. No hepatic congestion.

M-MODE MEASUREMENTS:

LA	33	mm
AO Root	28	mm
AO CUSP SEP	20	mm
LVID (s)	33	mm
LVID (d)	48	mm
IVS (d)	09	mm
LVPW (d)	08	mm
RVID (d)	21	mm
RA	30	mm
LVEF	60	%

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DOPPLER STUDY:

E WAVE VELOCITY: 0.7 m/sec.
A WAVE VELOCITY:0.5 m/sec
E/A RATIO:1.4

	PEAK (mmHg)	MEAN (mmHg)	V max (m/sec)	GRADE OF REGURGITATION
MITRAL VALVE	N			Nil
AORTIC VALVE	06			Nil
TRICUSPID VALVE	N			Nil
PULMONARY VALVE	2.0			Nil

Final Impression :

Normal 2 Dimensional and colour doppler echocardiography study.

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

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Hiranandani HOSPITAL (A Fortis Network Hospital)

DEPARTMENT OF RADIOLOGY

Date: 09/Feb/2023

Name: Mr. Rahul Kumar Das
Age | Sex: 33 YEAR(S) | Male
Order Station : FO-OPD
Bed Name :

UHID | Episode No : 12283960 | 8167/23/1501
Order No | Order Date: 1501/PN/OP/2302/16724 | 09-Feb-2023
Admitted On | Reporting Date : 09-Feb-2023 13:15:15
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 appear normal.

Both costophrenic angles are well maintained.

Bony thorax appears unremarkable.

Aditya

DR. ADITYA NALAWADE
M.D. (Radiologist)

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Hiranandani HOSPITAL (A Fortis Network Hospital)

Date: 09/Feb/2023

DEPARTMENT OF RADIOLOGY

Name: Mr. Rahul Kumar Das	**UHID | Episode No : 12283960 | 8167/23/1501**
Age | Sex: 33 YEAR(S) | Male	**Order No | Order Date: 1501/PN/OP/2302/16724 | 09-Feb-2023**
Order Station : FO-OPD	**Admitted On | Reporting Date : 09-Feb-2023 12:11:43**
Bed Name :	**Order Doctor Name : Dr.SELF .**

US-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 mildly enlarged in size (12.7 cm).

BOTH KIDNEYS are normal in size and echogenicity. The central sinus complex is normal.
No evidence of calculi/hydronephrosis.
Right kidney measures 10.0 x 4.4 cm.
Left kidney measures 9.5 x 4.5 cm.

PANCREAS: Head of pancreas appears unremarkable. Rest of the pancreas is obscured.

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 ~ 15 cc in volume. Few tiny specks of calcifications noted.

No evidence of ascites.

IMPRESSION:

- **Mild splenomegaly.**

DR. YOGINI SHAH
DMRD., DNB. (Radiologist)