Patient Name UHID	Mr. ROHIT BAJPAI 40021269	Lab No Collection Date	4055280 03/10/2024 10:23AM
Age/Gender	39 Yrs/Male	Receiving Date	03/10/2024 11:38AM
IP/OP Location	O-OPD	Report Date	03/10/2024 2:46PM
Referred By	Dr. EHS CONSULTANT	Report Status	Final
Mobile No.	7000892700		

BIOCHEMISTRY

Test Name	Result	Unit	Biological Ref. Range	
BLOOD GLUCOSE (FASTING)				Sample: Fl. Plasma
BLOOD GLUCOSE (FASTING)	93.8	mg/dl	71 - 109	

Method: Hexokinase assay.

Interpretation:-Diagnosis and monitoring of treatment in diabetes mellitus and evaluation of carbohydrate metabolism in various diseases.

THYROID T3 T4 TSH				Sample: Serum
ТЗ	1.490	ng/mL	0.970 - 1.690	
Τ4	10.20	ug/dl	5.53 - 11.00	
тѕн	1.46	μlU/mL	0.40 - 4.05	

T3:- Method: ElectroChemiLuminescence ImmunoAssay - ECLIA

Interpretation:-The determination of T3 is utilized in the diagnosis of T3-hyperthyroidism the detection of early stages of hyperthyroidism and for indicating a diagnosis of thyrotoxicosis factitia.

T4:- Method: ElectroChemiLuminescence ImmunoAssay - ECLIA

Interpretation:-The determination of T4 assay employs acompetitive test principle with an antibody specifically directed against T4.

TSH - THYROID STIMULATING HORMONE :- ElectroChemiLuminescenceImmunoAssay - ECLIA

Interpretation:-The determination of TSH serves as theinitial test in thyroid diagnostics. Even very slight changes in theconcentrations of the free thyroid hormones bring about much greater oppositechanges in the TSH levels.

LFT (LIVER FUNCTION TEST)	
---------------------------	--

BILIRUBIN TOTAL	0.24	mg/dl	0.00 - 1.20
BILIRUBIN INDIRECT	0.14 L	mg/dl	0.20 - 1.00
BILIRUBIN DIRECT	0.10	mg/dl	0.00 - 0.30
SGOT	16.2	U/L	0.0 - 40.0
SGPT	16.5	U/L	0.0 - 41.0

RESULT ENTERED BY : SUNIL EHS

AlbrinayVan

Dr. ABHINAY VERMA

MBBS | MD | INCHARGE PATHOLOGY

Sample: Serum

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Mobile No.	7000892700			
BIOCHEMISTRY				

TOTAL PROTEIN	7.7	g/dl	6.6 - 8.7
ALBUMIN	4.7	g/dl	3.5 - 5.2
GLOBULIN	3.0		1.8 - 3.6
ALKALINE PHOSPHATASE	105	U/L	40 - 129
A/G RATIO	1.6	Ratio	1.5 - 2.5
GGTP	22.0	U/L	10.0 - 60.0

BILIRUBIN TOTAL :- Method: DPD assay. Interpretation:-Total Bilirubin measurements are used in the diagnosis and treatment of various liver diseases, and of haemolytic and metabolic disorders in adults and newborns. Both obstruction damage to hepatocellular structive.

BILIRUBIN DIRECT :- Method: Diazo method Interpretation: -Determinations of direct bilirubin measure mainly conjugated, square soluble bilirubin. SGOT - AST :- Method: IFCC without pyridoxal phosphate activation. Interpretation:-SGOT(AST) measurements are used in the

diagnosis and treatment of certain types of liver and heart disease.

SGPT - ALT :- Method: IFCC without pyridoxal phosphate activation. Interpretation:-SGPT(ALT) Ratio Is Used For Differential Diagnosis In Liver Diseases.

TOTAL PROTEINS :- Method: Biuret colorimetric assay. Interpretation:-Total protein measurements are used in the diagnosis ALBUMIN :- Method: Colorimetric (BCP) assay. Interpretation: For Diagnosis and monitoring of liver diseases, e.g. liver cirrhosis, nutritional status.

ALKALINE PHOSPHATASE :- Method: Colorimetric assay according to IFCC. Interpretation:-Elevated serum ALT is found in hepatitis, cirrhosis, obstructive jaundice, carcinoma of the liver, and chronic alcohol abuse. ALT is only slightly elevated in patients who have an uncomplicated myocardial infarction. GGTP-GAMMA GLUTAMYL TRANSPEPTIDASE :- Method: Enzymetic colorimetric assay. Interpretation:-y-glutamyltransferase is used in the diagnosis and monitoring of hepatobiliary disease. Enzymatic activity of GGT is often the only parameter with increased values when testing for such diseases and is one of the most sensitive indicator known.

LIPID PROFILE

TOTAL CHOLESTEROL	181.7		<200 mg/dl :- Desirable 200-240 mg/dl :- Borderline >240 mg/dl :- High
HDL CHOLESTEROL	45.3		High Risk :-<40 mg/dl (Male), <40 mg/dl (Female) Low Risk :->=60 mg/dl (Male), >=60 mg/dl (Female)
LDL CHOLESTEROL	130.6		Optimal :- <100 mg/dl Near or Above Optimal :- 100-129 mg/dl Borderline :- 130-159 mg/dl High :- 160-189 mg/dl Very High :- >190 mg/dl
CHOLESTERO VLDL	33	mg/dl	10 - 50

RESULT ENTERED BY : SUNIL EHS

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Dr. ABHINAY VERMA

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Mobile No.	7000892700				
			BIOCHEMIST	RY	
TRIGLYCERIDES		165.6		Normal :- <150 Border Line:- 15 High :- 200 - 49 Very high :- > 50	50 - 199 mg/dl 9 mg/dl
CHOLESTEROL/HDL R	ATIO	4	%		

CHOLESTEROL TOTAL :- Method: CHOD-PAP enzymatic colorimetric assay. Interpretation:-The determination of the individual total cholesterol (TC) level is used for screening purposes while for a better risk assessment it is necessary to measure additionally lipid & lipoprotein metabolic disorders. HDL CHOLESTEROL :- Method:-Homogenous enzymetic colorimetric method. Interpretation:-HDL-cholesterol has a protective against coronary heart disease, while reduced HDL-cholesterol concentrations, particularly in conjunction with elevated triglycerides, increase the cardiovascular disease. LDL CHOLESTEROL :- Method: Homogenous enzymatic colorimetric assay. Interpretation:-LDL play a key role in causing and influencing the progression of atherosclerosis and in particular coronary sclerosis. The LDL are derived form VLDL rich in TG by the action of various lipolytic enzymes and are synthesized in the liver. CHOLESTEROL VLDL :- Method: VLDL

ma/dl

16 60 - 48 50

TRIGLYCERIDES :- Method: GPO-PAP enzymatic colorimetric assay. Interpretation:-High triglycerde levels also occur in various diseases of liver, kidneys and pancreas. DM, nephrosis, liver obstruction. CHOLESTEROL/HDL RATIO :- Method: Cholesterol/HDL Ratio Calculative

Sample: Serum

OREA	10.10 L	mg/ai	10.00 - 46.50
BUN	8	mg/dl	6 - 20
CREATININE	0.72	mg/dl	0.70 - 1.20
SODIUM	138	mmol/L	136 - 145
POTASSIUM	4.94	mmol/L	3.50 - 5.50
CHLORIDE	103.0	mmol/L	98 - 107
URIC ACID	4.5	mg/dl	3.4 - 7.0
CALCIUM	9.68	mg/dl	8.60 - 10.00

16 10 1

RESULT ENTERED BY : SUNIL EHS



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BIOCHEMISTRY

CREATININE - SERUM :- Method:-Jaffe method, Interpretation:-To differentiate acute and chronic kidneydisease. URIC ACID :- Method: Enzymatic colorimetric assay. Interpretation:- Elevated blood concentrations of uricacid are renal diseases with decreased excretion of waste products, starvation, drug abuse and increased alcohol consume. SODIUM: - Method: ISE electrode. Interpretation: -Decrease: Prolonged vomiting or diarrhea, diminished reabsorption in the

kidney and excessive fluid retention. Increase: excessive fluid loss, high salt intake andkidney reabsorption. POTASSIUM :- Method: ISE electrode. Intrpretation:-Low level: Intake excessive loss formbodydue to diarrhea, vomiting

renal failure, High level: Dehydration, shock severe burns, DKA, renalfailure. CHLORIDE - SERUM :- Method: ISE electrode. Interpretation:-Decrease: reduced dietary intake, prolonged vomiting and reduced renal reabsorption as well as forms of acidosisand alkalosis.

Increase: dehydration, kidney failure, some form ofacidosis, high dietary or parenteral chloride intake, and salicylate poisoning.

UREA:- Method: Urease/GLDH kinetic assay. Interpretation:-Elevations in blood urea nitrogenconcentration are seen in inadequate renal perfusion, shock, diminished bloodvolume, chronic nephritis, nephrosclerosis, tubular necrosis, glomerularnephritis and UTI.

CALCIUM TOTAL :- Method: O-Cresolphthaleine complexone. Interpretation:-Increase in serum PTH or vit-D are usuallyassociated with hypercalcemia. Increased serum calcium levels may also beobserved in multiple myeloma and other neoplastic diseases. Hypocalcemia may

beobserved in hypoparathyroidism, nephrosis, and pancreatitis.

HBA1C

5.8

%

< 5.7% Nondiabetic 5.7-6.4% Pre-diabetic > 6 4% Indicate Diabetes

Known Diabetic Patients

< 7 % Excellent Control

7 - 8 % Good Control

>8% Poor Control

Method : - Turbidimetric inhibition immunoassay (TINIA), Interpretation:-Monitoring long term glycemic control, testing every 3 to 4 months is generally sufficient. The approximate relationship between HbAlC and mean blood glucose values during the preceding 2 to 3 months.

RESULT ENTERED BY : SUNIL EHS

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Dr. ABHINAY VERMA

MBBS | MD | INCHARGE PATHOLOGY

Sample: WHOLE BLOOD EDTA

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Mobile No.	7000892700		

BLOOD BANK INVESTIGATION

Test Name	Result	Unit	Biological Ref. Range

BLOOD GROUPING

"O" Rh Positive

Note :

Both forward and reverse grouping performed.
Test conducted on EDTA whole blood.

RESULT ENTERED BY : SUNIL EHS

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Dr. ABHINAY VERMA

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UHID	40021269	Collection Date	03/10/2024 10:23AM
Age/Gender	39 Yrs/Male	Receiving Date	03/10/2024 11:38AM
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CLINICAL PATHOLOGY

Test Name	Result	Unit	Biological Ref. Range	
<u>URINE SUGAR (RANDOM)</u>				Sample: Urine
URINE SUGAR (RANDOM)	NEGATIVE		NEGATIVE	
				Sample: Urine
PHYSICAL EXAMINATION				
VOLUME	20	ml		
COLOUR	PALE YELLOW		P YELLOW	
APPEARANCE	CLEAR		CLEAR	
CHEMICAL EXAMINATION				
РН	5.0 L		5.5 - 7.0	
SPECIFIC GRAVITY	1.030		1.016-1.022	
PROTEIN	NEGATIVE		NEGATIVE	
SUGAR	NEGATIVE		NEGATIVE	
BILIRUBIN	NEGATIVE		NEGATIVE	
BLOOD	NEGATIVE			
KETONES	NEGATIVE		NEGATIVE	
NITRITE	NEGATIVE		NEGATIVE	
UROBILINOGEN	NEGATIVE		NEGATIVE	
LEUCOCYTE	NEGATIVE		NEGATIVE	
MICROSCOPIC EXAMINATION				
WBCS/HPF	1-2	/hpf	0 - 3	
RBCS/HPF	0-0	/hpf	0 - 2	
EPITHELIAL CELLS/HPF	2-3	/hpf	0 - 1	
CASTS	NIL		NIL	
CRYSTALS	NIL		NIL	
BACTERIA	NIL		NIL	
OHTERS	NIL		NIL	

RESULT ENTERED BY : SUNIL EHS

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Dr. ABHINAY VERMA

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Methodology:-Glucose: GOD-POD, Bilirubin: Diazo-Azo-coupling reaction with a diazonium, Ketone: Nitro Pruside reaction, Specific Gravity: Proton release from ions, Blood: Psuedo-Peroxidase activity oh Haem moiety, pH: Methye Red-Bromothymol Blue (Double indicator system), Protein: H+ Release by buffer, microscopic & chemical method.. interpretation: Diagnosis of Kidney function, UTI, Presence of Protein, Glucoses, Blood. Vocubulary syntax: Kit insert

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HEMATOLOGY

Test Name	Result	Unit	Biological Ref. Rai	nge
				Sample: WHOLE BLOOD EDTA
HAEMOGLOBIN	15.3	g/dl	13.0 - 17.0	
PACKED CELL VOLUME(PCV)	46.3	%	40.0 - 50.0	
MCV	89.7	fl	82 - 92	
МСН	29.7	pg	27 - 32	
МСНС	33.0	g/dl	32 - 36	
RBC COUNT	5.16	millions/cu.mm	4.50 - 5.50	
TLC (TOTAL WBC COUNT)	5.14	10^3/ uL	4 - 10	
DIFFERENTIAL LEUCOCYTE COUNT				
NEUTROPHILS	65.6	%	40 - 80	
LYMPHOCYTE	24.5	%	20 - 40	
EOSINOPHILS	2.1	%	1 - 6	
BASOPHIL	1.2	%	1 - 2	
MONOCYTES	6.6	%	2 - 10	
PLATELET COUNT	3.91	lakh/cumm	1.500 - 4.500	

HAEMOGLOBIN :- Method:-SLS Hemoglobin Methodology by Cell Counter. Interpretation:-Low-Anemia, High-Polycythemia. MCV :- Method:- Calculation by sysmex. MCH :- Method:- Calculation by sysmex. MCHC :- Method:- Calculation bysysmex.

RBC COUNT :- Method:-Hydrodynamic focusing. Interpretation:-Low-Anemia, High-Polycythemia.

TLC (TOTAL WBC COUNT) :- Method:-Optical Detector block based on Flowsytometry. Interpretation:-High-Leucocytosis, Low-Leucopenia.

NEUTROPHILS :- Method: Optical detector block based on Flowcytometry

LYMPHOCYTS :- Method: Optical detector block based on Flowcytometry

EOSINOPHILS :- Method: Optical detector block based on Flowcytometry

MONOCYTES :- Method: Optical detector block based on Flowcytometry

BASOPHIL :- Method: Optical detector block based on Flowcytometry

PLATELET COUNT :- Method:-Hydrodynamic focusing method. Interpretation:-Low-Thrombocytopenia, High-Thrombocytosis.

HCT: Method:- Pulse Height Detection. Interpretation:-Low-Anemia, High-Polycythemia. NOTE: CH- CRITICAL HIGH, CL: CRITICAL LOW, L: LOW, H: HIGH

ESR (ERYTHROCYTE SEDIMENTATION RATE)

20 H

mm/1st hr 0 - 15

RESULT ENTERED BY : SUNIL EHS

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Dr. ABHINAY VERMA

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Method:-Modified Westergrens. Interpretation:-Increased in infections, sepsis, and malignancy.

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	X Ray		

Test Name Result Unit Biological Ref. Range

X-RAY CHEST P. A. VIEW

Both lung fields are clear.

Both CP angles are clear.

Both hemi-diaphragms are normal in shape and outlines.

Cardiac shadow is within normal limits.

Visualized bony thorax is unremarkable.

Correlate clinically & with other related investigations.

End Of Report

RESULT ENTERED BY : SUNIL EHS



APOORVA JETWANI

Select

DEPARTMENT OF RADIO DIAGNOSIS

UHID / IP NO	40021269 (38854)	RISNo./Status :	4055280/
Patient Name :	Mr. ROHIT BAJPAI	Age/Gender :	39 Y/M
Referred By :	Dr. EHS CONSULTANT	Ward/Bed No :	OPD
Bill Date/No :	03/10/2024 10:07AM/ OPSCR24- 25/22081	Scan Date :	
Report Date :	03/10/2024 11:22AM	Company Name:	Mediwheel - Arcofemi Health Care Ltd.

ULTRASOUND STUDY OF WHOLE ABDOMEN

Liver:	Normal in size & echotexture. No obvious significant focal parenchymal mass lesion noted. Intrahepatic biliary radicals are not dilated. Portal vein is normal.
Gall Bladder:	Lumen is clear. Wall thickness is normal. CBD is normal.
Pancreas:	Normal in size & echotexture.
Spleen:	Normal in size & echotexture. No focal lesion seen.
Right Kidney:	Normal in shape, size & location. Echotexture is normal. Corticomedullary differentiation is maintained. No evidence of significant hydronephrosis or obstructive calculus noted.
Left Kidney:	Normal in shape, size & location. Echotexture is normal. Corticomedullary differentiation is maintained. No evidence of significant hydronephrosis or obstructive calculus noted.
Urinary Bladder:	Normal in size, shape & volume. No obvious calculus or mass lesion is seen. Wall thickness is normal.
Prostate:	Is normal in size and echotexture.
Others:	No significant free fluid is seen in pelvic peritoneal cavity.
IMPRESSION: USG	findings are suggestive of

IMPRESSION: USG findings are suggestive of

No obvious significant sonographic abnormality noted. •

Correlate clinically & with other related investigations.

DR. APOORVA JETWANI Incharge & Senior Consultant Radiology MBBS, DMRD, DNB Reg. No. 26466, 16307

DEPARTMENT OF CARDIOLOGY

UHID / IP NO	40021269 (38854)	RISNo./Status :	4055280/
Patient Name :	Mr. ROHIT BAJPAI	Age/Gender :	39 Y/M
Referred By :	Dr. EHS CONSULTANT	Ward/Bed No :	OPD
Bill Date/No :	03/10/2024 10:07AM/ OPSCR24- 25/22081	Scan Date :	
Report Date :	03/10/2024 11:55AM	Company Name:	Final

REFERRAL REASON: HEALTH CHECKUP

2D ECHOCARDIOGRAPHY WITH COLOR DOPPLER

M MODE DIMENSIONS: -

Normal Normal								
IVSD	10.9	6-12mm		LVIDS	25.4	20-40mm		
LVIDD	42.2		32-	57mm		LVPWS	16.3	mm
LVPWD	11.3		6-1	l2mm		AO	28.1	19-37mm
IVSS	16.3]	nm		LA	31.3	19-40mm
LVEF	60-62		>	55%		RA	-	mm
	DOPPLER	R MEA	SUREN	IENTS &	& CALC	ULATIONS	:	
STRUCTURE	MORPHOLOGY		VELOC	CITY (m	/s)	GRADIENT		REGURGITATION
						(mmHg)		
MITRAL	NORMAL	Ε	0.85	e'	-	-		NIL
VALVE		Α	0.57	E/e'	-			
TRICUSPID	NORMAL		E	0.	61	-		MILD TR
VALVE			A	0	50			
		A 0.50						
AORTIC	NORMAL	1.37		-		NIL		
VALVE								
PULMONARY	NORMAL		().86				NIL
VALVE						-		

COMMENTS & CONCLUSION: -

- ALL CARDIAC CHAMBERS ARE NORMAL
- NO RWMA, LVEF 60-62%
- NORMAL LV SYSTOLIC FUNCTION
- NORMAL LV DIASTOLIC FUNCTION
- MILD TR, NO PAH, OTHER CARDIAC VALVES ARE NORMAL
- NO EVIDENCE OF CLOT/VEGETATION/PE
- INTACT IVS/IAS

IMPRESSION: - MILD TR, NO PAH, NORMAL BI VENTRICULAR FUNCTIONS

DR SUPRIY JAIN	DR MEGHRAJ MEENA	DR ROOPAM SHARMA
MBBS, M.D., D.M. (CARDIOLOGY)	MBBS, SONOLOGIST	MBBS, PGDCC, FIAE
DIRECTOR & INCHARGE	FICC, CONSULTANT	CONSULTANT & INCHARGE
CARDIOLOGY	PREV. CARDIOLOGY &	EMERGENCY, PREV.
	INCHARGE CCU	CARDIOLOGY(NIC) & WELLNESS
		CENTER