DEPARTMENT OF CARDIOLOGY

UHID / IP NO	40005850 (10778)	RISNo./Status:	4011140/
Patient Name:	Mrs. LAXITA MEENA	Age/Gender:	31 Y/F
Referred By:	EHS CONSULTANT	Ward/Bed No:	OPD
Bill Date/No:	23/09/2023 10:02AM/ OPSCR23- 24/5532	Scan Date :	
Report Date:	23/09/2023 11:32AM	Company Name:	Final

REFERRAL REASON: - HEALTH CHECKUP

2D ECHOCARDIOGRAPHY WITH COLOR DOPPLER

M MODE DIMENSIONS: -

WINIODE DIVIE	10101101		No	rmal				Normal
IVSD	10.4	6-12mm			LVIDS	27.2	20-40mm	
LVIDD	41.7		32-	57mm		LVPWS	17.7	mm
LVPWD	10.4		6-1	2mm		AO	26.3	19-37mm
IVSS	17.2		J	mm		LA	29.9	19-40mm
LVEF	64-66		>	55%		RA	-	mm
	DOPPLEI	R MEA	SUREN	1ENTS &	& CALC	ULATIONS	<u>:</u>	
STRUCTURE	MORPHOLOGY	VELOCITY (m/s)		GRADIENT		REGURGITATION		
						(mmHg)		
MITRAL	NORMAL	E	1.32	e'		-		NIL
VALVE		A	0.70	E/e'				
TRICUSPID	NORMAL		E	0.	59	-		NIL
VALVE			A 0.51					
AORTIC	NORMAL	1.25		-		NIL		
VALVE								
PULMONARY VALVE	NORMAL		().90		-		NIL
						1		1

COMMENTS & CONCLUSION: -

- ALL CARDIAC CHAMBERS ARE NORMAL
- NO RWMA, LVEF 64-66%
- NORMAL LV SYSTOLIC FUNCTION
- NORMAL LV DIASTOLIC FUNCTION
- ALL CARDIAC VALVES ARE NORMAL
- NO EVIDENCE OF CLOT/VEGETATION/PE
- INTACT IVS/IAS

IMPRESSION: - NORMAL BI VENTRICULAR FUNCTIONS

DR SUPRIY JAIN MBBS, M.D., D.M. (CARDIOLOGY) INCHARGE & SR. CONSULTANT INTERVENTIONAL CARDIOLOGY DR ROOPAM SHARMA
MBBS, PGDCC, FIAE
CONSULTANT & INCHARGE
EMERGENCY, PREVENTIVE CARDIOLOGY
AND WELLNESS CENTRE

Patient Name Mrs. LAXITA MEENA Lab No 537327

UHID 321640 Collection Date 23/09/2023 12:34PM

 Age/Gender
 31 Yrs/Female
 Receiving Date
 23/09/2023 12:37PM

 ID/OR Location
 0-OPD
 Report Date
 23/09/2023 12:37PM

IP/OP Location O-OPD Report Date 23/09/2023 1:22PM

Referred ByDr. EHCC ConsultantReport StatusFinal



BIOCHEMISTRY

Test Name	Result	Unit	Biological Ref. Range
			Sample: WHOLE BLOOD EDTA
HBA1C	5.5	%	< 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: - High - performance liquid chromatography HPLC Interpretation:-Monitoring long term glycemic control, testing every 3 to 4 months is generally sufficient. The approximate relationship between HbA1C and mean blood glucose values during the preceding 2 to 3 months.

End Of Report

RESULT ENTERED BY : Mr. PANKAJ SHUKLA

Dr. SURENDRA SINGH CONSULTANT & HOD MBBS|MD| PATHOLOGY

Mobile No.

9773349797

Dr. ASHISH SHARMA
CONSULTANT & INCHARGE PATHOLOGY
MBBS|MD| PATHOLOGY

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Patient Name	Mrs. LAXITA MEENA	Lab No	4011140
UHID	40005850	Collection Date	23/09/2023 10:43AM
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	O-OPD	Report Date	23/09/2023 1:56PM
Referred By	EHS CONSULTANT	Report Status	Final
Mobile No.	9413728151		

BIOCHEMISTRY

Test Name	Result	Unit	Biological Ref. Range	
BLOOD GLUCOSE (FASTING)				Sample: Fl. Plasma
BLOOD GLUCOSE (FASTING)	91.0	mg/dl	74 - 106	

Method: Hexokinase assay.

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

THYROID T3 T4 TSH

T3 1.600 ng/ml 0.970 - 1.690

T3	1.600	ng/mL	0.970 - 1.690
Т4	12.20 H	ug/dl	5.53 - 11.00
TSH	2.07	μIU/mL	0.40 - 4.05

Remarks T4 rechecked from same sample

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 the concentrations of the free thyroid hormones bring about much greater opposite changes in the TSH levels.

<u>LFT (LIVER FUNCTION TEST)</u> Sample: Serum

BILIRUBIN TOTAL	0.81	mg/dl	0.00 - 1.20
BILIRUBIN INDIRECT	0.56	mg/dl	0.20 - 1.00
BILIRUBIN DIRECT	0.25	mg/dl	0.00 - 0.40
SGOT	25.4	U/L	0.0 - 40.0

RESULT ENTERED BY : SUNIL EHS

Dr. ABHINAY VERMA

MBBS | MD | INCHARGE PATHOLOGY

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UHID	40005850	Collection Date	23/09/2023 10:43AM
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RICCHEMISTRY

		DIOCHEIVIISTRY	
SGPT	33.2	U/L	0.0 - 40.0
TOTAL PROTEIN	6.9	g/dl	6.6 - 8.7
ALBUMIN	5.2	g/dl	3.5 - 5.2
GLOBULIN	1.7 L		1.8 - 3.6
ALKALINE PHOSPHATASE	60.3	U/L	42 - 98
A/G RATIO	3.1 H	Ratio	1.5 - 2.5
GGTP	41.5 H	U/L	6.0 - 38.0

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, water 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 and treatment of a variety of liver and kidney diseases and bone marrow as well as metabolic and nutritional disorder.

ALBUMIN: - Method: Colorimetric (BCP) assay. Interpretation:-For Diagnosis and monitoring of liver diseases, e.g. liver cirrhosis, nutritional status.

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	196	<200 mg/dl :- Desirable 200-240 mg/dl :- Borderline >240 mg/dl :- High
HDL CHOLESTEROL	51.2	High Risk :-<40 mg/dl (Male), <40 mg/dl (Female) Low Risk :->=60 mg/dl (Male), >=60 mg/dl (Female)
LDL CHOLESTEROL	122.6	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

RESULT ENTERED BY : SUNIL EHS

Dr. ABHINAY VERMA

Patient Name Mrs. LAXITA MEENA Lab No 4011140 UHID 40005850 **Collection Date** 23/09/2023 10:43AM 23/09/2023 10:56AM Age/Gender **Receiving Date** 31 Yrs/Female Report Date **IP/OP Location** O-OPD 23/09/2023 1:56PM

Referred By **EHS CONSULTANT Report Status** Final

BIOCHEMISTRY

CHOLESTERO VLDL 10 - 50 21 mg/dl

TRIGI YCERIDES 105 5 Normal :- <150 mg/dl

> Border Line:- 150 - 199 mg/dl High :- 200 - 499 mg/dl Very high :- > 500 mg/dl

CHOLESTEROL/HDL RATIO 3.8

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 Calculative

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TRIGLYCERIDES :- Method: GPO-PAP enzymatic colorimetric assay.

Interpretation:-High triglycerde levels also occur in various diseases of liver, kidneys and pancreas.

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DM, nephrosis, liver obstruction.
CHOLESTEROL/HDL RATIO :- Method: Cholesterol/HDL Ratio Calculative

RENAL PROFILE TEST Sample: Serum

UREA	22.40	mg/dl	16.60 - 48.50
BUN	10.5	mg/dl	6 - 20
CREATININE	0.54	mg/dl	0.50 - 0.90
SODIUM	137.6	mmol/L	136 - 145
POTASSIUM	4.27	mmol/L	3.50 - 5.50
CHLORIDE	104.6	mmol/L	98 - 107
URIC ACID	3.4	mg/dl	2.6 - 6.0
CALCIUM	9.65	mg/dl	8.60 - 10.30

RESULT ENTERED BY: SUNIL EHS

Dr. ABHINAY VERMA

Patient Name Mrs. LAXITA MEENA Lab No 4011140 UHID 40005850 **Collection Date** 23/09/2023 10:43AM 23/09/2023 10:56AM Age/Gender **Receiving Date** 31 Yrs/Female Report Date O-OPD **IP/OP Location** 23/09/2023 1:56PM **Referred By EHS CONSULTANT Report Status** Final

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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

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.

RESULT ENTERED BY: SUNIL FHS

Patient Name Mrs. LAXITA MEENA Lab No 4011140 UHID 40005850 **Collection Date** 23/09/2023 10:43AM 23/09/2023 10:56AM Age/Gender **Receiving Date** 31 Yrs/Female **Report Date IP/OP Location** O-OPD 23/09/2023 1:56PM **Referred By EHS CONSULTANT Report Status** Final Mobile No. 9413728151

BLOOD BANK INVESTIGATION

Biological Ref. Range Test Name Result Unit

BLOOD GROUPING "O" Rh Positive

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

RESULT ENTERED BY: SUNIL EHS

Dr. ABHINAY VERMA

Patient Name Mrs. LAXITA MEENA Lab No 4011140 **Collection Date** 23/09/2023 10:43AM UHID 40005850 23/09/2023 10:56AM Age/Gender **Receiving Date** 31 Yrs/Female **Report Date** O-OPD **IP/OP Location** 23/09/2023 1:56PM **Referred By EHS CONSULTANT Report Status** Final

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CLINICAL PATHOLOGY

Test Name	Result	Unit	Biological Ref. Range	
URINE SUGAR (RANDOM)				Sample: Urine
URINE SUGAR (RANDOM)	NEGATIVE		NEGATIVE	
ROUTINE EXAMINATION - URINE				Sample: Urine
PHYSICAL EXAMINATION				
VOLUME	15	ml		
COLOUR	PALE YELLOW		P YELLOW	
APPEARANCE	HAZY		CLEAR	
CHEMICAL EXAMINATION				
РН	5.0 L		5.5 - 7.0	
SPECIFIC GRAVITY	1.010		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	3-4	/hpf	0 - 3	
RBCS/HPF	0-0	/hpf	0 - 2	
EPITHELIAL CELLS/HPF	6-8	/hpf	0 - 1	
CASTS	NIL		NIL	
CRYSTALS	NIL		NIL	
BACTERIA	NIL		NIL	
OHTERS	NIL		NIL	

RESULT ENTERED BY : SUNIL EHS

Dr. ABHINAY VERMA

Patient Name Mrs. LAXITA MEENA Lab No 4011140 UHID 40005850 **Collection Date** 23/09/2023 10:43AM 23/09/2023 10:56AM Age/Gender 31 Yrs/Female **Receiving Date Report Date IP/OP Location** O-OPD 23/09/2023 1:56PM **Referred By EHS CONSULTANT Report Status** Final Mobile No. 9413728151

Methodology:-

Glucose: GOD-POD, Bilirubin: Diazo-Azo-coupling reaction with a diazonium, Ketone: Nitro Pruside reaction, Specific Gravity: Proton re;ease 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. Ra	nge
CBC (COMPLETE BLOOD COUNT)				Sample: WHOLE BLOOD EDTA
HAEMOGLOBIN	11.4 L	g/dl	12.5 - 21.5	
PACKED CELL VOLUME(PCV)	35.7 L	%	49.0 - 53.0	
MCV	89.7 L	fl	100 - 120	
MCH	28.6 L	pg	30 - 37	
MCHC	31.9	g/dl	30 - 33	
RBC COUNT	3.98 L	millions/cu.mm	5.00 - 7.00	
TLC (TOTAL WBC COUNT)	7.76 L	10^3/ uL	8 - 22	
DIFFERENTIAL LEUCOCYTE COUNT				
NEUTROPHILS	60.6 H	%	40 - 60	
LYMPHOCYTE	32.6	%	30 - 50	
EOSINOPHILS	1.8	%	1 - 6	
MONOCYTES	4.6	%	2 - 10	
BASOPHIL	0.4 L	%	1 - 2	
PLATELET COUNT	3.24	lakh/cumm	1.000 - 4.500	

HAEMOGLOBIN :- Method:-SLS HemoglobinMethodology by Cell Counter.Interpretation:-Low-Anemia, High-Polycythemia.

MCV :- Method:- Calculation bysysmex.
MCH :- Method:- Calculation bysysmex.
MCHC :- Method:- Calculation bysysmex.

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

TLC (TOTAL WBC COUNT) :- Method: -Optical Detectorblock based on Flowcytometry. Interpretation: -High-Leucocytosis, Low-Leucopenia.

NEUTROPHILS :- Method: Optical detectorblock based on Flowcytometry $\textbf{LYMPHOCYTS} : - \ \texttt{Method:} \ \texttt{Optical} \ \texttt{detectorblock} \ \texttt{based} \ \texttt{on} \ \texttt{Flowcytometry}$ EOSINOPHILS :- Method: Optical detectorblock based on Flowcytometry MONOCYTES :- Method: Optical detectorblock based on Flowcytometry BASOPHIL :- Method: Optical detectorblock based on Flowcytometry

PLATELET COUNT :- Method:-Hydrodynamicfocusing 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) 50 H mm/1st hr 0 - 15

RESULT ENTERED BY: SUNIL EHS

Dr. ABHINAY VERMA

Patient Name Lab No Mrs. LAXITA MEENA 4011140 23/09/2023 10:43AM UHID 40005850 **Collection Date** 23/09/2023 10:56AM Age/Gender **Receiving Date** 31 Yrs/Female **Report Date IP/OP Location** O-OPD 23/09/2023 1:56PM **Referred By EHS CONSULTANT Report Status** Final Mobile No. 9413728151

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 PA VIEW

OBSERVATION:

The trachea is central.

The mediastinal and cardiac silhouette are normal.

Cardiothoracic ratio is normal.

Cardiophrenic and costophrenic angles are normal.

Both hila are normal.

The lung fields are clear.

Bones of the thoracic cage are normal.

Soft tissues of the chest wall are normal.

IMPRESSION:

No significant abnormality seen.

End Of Report

RESULT ENTERED BY: SUNIL EHS

Dr. RENU JADIYA MBBS, DNB RADIOLOGIST

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DEPARTMENT OF RADIO DIAGNOSIS

UHID / IP NO	40005850 (10778)	RISNo./Status:	4011140/
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Bill Date/No:	23/09/2023 10:02AM/ OPSCR23- 24/5532	Scan Date :	
Report Date :	23/09/2023 12:01PM	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.

Uterus: Normal in size, shape & anteverted in position. Endometrial thickness is normal.

Endometrial cavity is empty. No mass lesion is seen. Cervix is normal.

Both ovaries: Bilateral ovaries are normal in size, shape & volume.

Others: No significant free fluid is seen in pelvic peritoneal cavity.

IMPRESSION: USG findings are suggestive of

• No significant sonographic abnormality noted.

Correlate clinically & with other related investigations.

DR. APOORVA JETWANI

Incharge & Senior Consultant Radiology

MBBS, DMRD, DNB

Reg. No. 26466, 16307