

ETERNAL HOSPITAL MEDICAL TESTING LABORATORY

Patient Name	Mrs. PUSHPA DEVI	Lab No	4024863
UHID	40010768	Collection Date	23/02/2024 9:50AM
Age/Gender	54 Yrs/Female	Receiving Date	23/02/2024 10:05AM
IP/OP Location	O-OPD	Report Date	23/02/2024 4:44PM
Referred By	Dr. EHS CONSULTANT	Report Status	Final
Mobile No.	9462820733		

BIOCHEMISTRY

Test Name	Result	Unit	Biological Ref. Range	Sample: Fl. Plasma
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BLOOD GLUCOSE (FASTING)

BLOOD GLUCOSE (FASTING)	90	mg/dl	71 - 109
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Method: Hexokinase assay.

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

BLOOD GLUCOSE (PP)

BLOOD GLUCOSE (PP)	112	mg/dl	Non – Diabetic: - < 140 mg/dl Pre – Diabetic: - 140-199 mg/dl Diabetic: - >=200 mg/dl
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Sample: PLASMA

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	1.440	ng/mL	0.970 - 1.690
T4	6.84	ug/dl	5.53 - 11.00
TSH	3.22	μIU/mL	0.40 - 4.05

Sample: Serum

RESULT ENTERED BY : SUNIL EHS



Dr. ABHINAY VERMA

MBBS|MD|INCHARGE PATHOLOGY

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BIOCHEMISTRY

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 a competitive test principle with an antibody specifically directed against T4.

TSH - THYROID STIMULATING HORMONE :- ElectroChemiLuminescenceImmunoAssay - ECLIA

Interpretation:-The determination of TSH serves as the initial 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.

LFT (LIVER FUNCTION TEST)

Sample: Serum

BILIRUBIN TOTAL	0.57	mg/dl	0.00 - 1.20
BILIRUBIN INDIRECT	0.40	mg/dl	0.20 - 1.00
BILIRUBIN DIRECT	0.17	mg/dl	0.00 - 0.30
SGOT	16	U/L	0.0 - 32.0
SGPT	13.5	U/L	0.0 - 33.0
TOTAL PROTEIN	7.06	g/dl	6.6 - 8.7
ALBUMIN	4.39	g/dl	3.5 - 5.2
GLOBULIN	2.7		1.8 - 3.6
ALKALINE PHOSPHATASE	90	U/L	35 - 104
A/G RATIO	1.6	Ratio	1.5 - 2.5
GGTP	24	U/L	0.0 - 40.0

RESULT ENTERED BY : SUNIL EHS

Abhinay Verma

Dr. ABHINAY VERMA

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BIOCHEMISTRY

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 structure.

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.

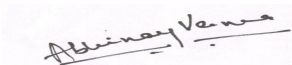
ALBUMIN :- Method: Colorimetric (BCP) assay. Interpretation:-For Diagnosis and monitoring of liver diseases, e.g. liver cirrhosis, nutritional status.

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: Enzymatic colorimetric assay. Interpretation:- γ -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	209		<200 mg/dl :- Desirable 200-240 mg/dl :- Borderline >240 mg/dl :- High
HDL CHOLESTEROL	53.7		High Risk :- <40 mg/dl (Male), <40 mg/dl (Female) Low Risk :- >=60 mg/dl (Male), >=60 mg/dl (Female)
LDL CHOLESTEROL	144.0		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	21	mg/dl	10 - 50
TRIGLYCERIDES	106		Normal :- <150 mg/dl Border Line:- 150 - 199 mg/dl High :- 200 - 499 mg/dl Very high :- > 500 mg/dl
CHOLESTEROL/HDL RATIO	4	%	

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BIOCHEMISTRY

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 enzymatic 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 from VLDL rich in TG by the action of various lipolytic enzymes and are synthesized in the liver.

CHOLESTEROL VLDL :- Method: VLDL Calculative

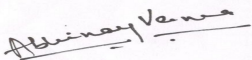
TRIGLYCERIDES :- Method: GPO-PAP enzymatic colorimetric assay.
Interpretation:-High triglyceride levels also occur in various diseases of liver, kidneys and pancreas. DM, nephrosis, liver obstruction.

CHOLESTEROL/HDL RATIO :- Method: Cholesterol/HDL Ratio Calculative

Sample: Serum

UREA	22.3	mg/dl	16.60 - 48.50
BUN	10	mg/dl	6 - 20
CREATININE	0.61	mg/dl	0.50 - 0.90
SODIUM	142	mmol/L	136 - 145
POTASSIUM	4.16	mmol/L	3.50 - 5.50
CHLORIDE	105.4	mmol/L	98 - 107
URIC ACID	4.7	mg/dl	2.4 - 5.7
CALCIUM	8.72	mg/dl	8.60 - 10.00

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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,diminshed reabsorption in the kidney and excessive fluid retention. Increase: excessive fluid loss, high salt intake andkidney reabsorption.

POTASSIUM :- Method: ISE electrode. Intrapretation:-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.

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BLOOD BANK INVESTIGATION

Test Name	Result	Unit	Biological Ref. Range
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BLOOD GROUPING	"O" Rh Positive		
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Note :

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

RESULT ENTERED BY : SUNIL EHS



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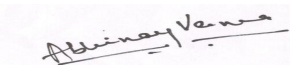
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CLINICAL PATHOLOGY

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				
PH	5.0 L		5.5 - 7.0	
SPECIFIC GRAVITY	1.000		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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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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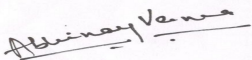
HEMATOLOGY

Test Name	Result	Unit	Biological Ref. Range
<u>CBC (COMPLETE BLOOD COUNT)</u>			
			Sample: WHOLE BLOOD EDTA
HAEMOGLOBIN	11.4 L	g/dl	12.0 - 15.0
PACKED CELL VOLUME(PCV)	37.3	%	36.0 - 46.0
MCV	91.6	fl	82 - 92
MCH	28.0	pg	27 - 32
MCHC	30.6 L	g/dl	32 - 36
RBC COUNT	4.07	millions/cu.mm	3.80 - 4.80
TLC (TOTAL WBC COUNT)	5.48	10 ³ / uL	4 - 10
<u>DIFFERENTIAL LEUCOCYTE COUNT</u>			
NEUTROPHILS	54.0	%	40 - 80
LYMPHOCYTE	35.4	%	20 - 40
EOSINOPHILS	3.1	%	1 - 6
MONOCYTES	6.8	%	2 - 10
BASOPHIL	0.7 L	%	1 - 2
PLATELET COUNT	2.10	lakh/cumm	1.500 - 4.500

HAEMOGLOBIN :- Method:-SLS HemoglobinMethodology by Cell Counter.Interpretation:-Low-Anemia, High-Polycythemia.
MCV :- Method:- Calculation bysystemex.
MCH :- Method:- Calculation bysystemex.
MCHC :- Method:- Calculation bysystemex.
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
LYMPHOCYTS :- Method: Optical detectorblock based on 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)	35 H	mm/1st hr	0 - 15
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Dr. ABHINAV 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
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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. Unfolding of aorta seen.

Visualized bony thorax is unremarkable.

Correlate clinically & with other related investigations.

****End Of Report****

RESULT ENTERED BY : SUNIL EHS



Dr. RENU JADIYA

MBBS, DNB

RADIOLOGIST

ETERNAL HOSPITAL MEDICAL TESTING LABORATORY

Patient Name	Mrs. PUSHPA DEVI	Lab No	633938
UHID	340936	Collection Date	23/02/2024 1:10PM
Age/Gender	54 Yrs/Female	Receiving Date	23/02/2024 1:11PM
IP/OP Location	O-OPD	Report Date	23/02/2024 2:34PM
Referred By	Dr. EHCC Consultant	Report Status	Final
Mobile No.	9773349797		



MC-2561

BIOCHEMISTRY

Test Name	Result	Unit	Biological Ref. Range
HBA1C	5.7	%	< 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

Sample: WHOLE BLOOD EDTA

Method : - Tetradecyltrimethylammonium bromide

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. MAHENDRA KUMAR

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

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

DEPARTMENT OF RADIO DIAGNOSIS

UHID / IP NO	40010768 (5098)	RISNo./Status :	4024863/
Patient Name :	Mrs. PUSHPA DEVI	Age/Gender :	54 Y/F
Referred By :	Dr. EHS CONSULTANT	Ward/Bed No :	OPD
Bill Date/No :	23/02/2024 9:10AM/ OPSCR23-24/13810	Scan Date :	
Report Date :	23/02/2024 12:17PM	Company Name:	Mediwheel - Arcofemi Health Care Ltd.

USG REPORT - ABDOMEN AND PELVIS

LIVER:

Is normal in size and **shows diffuse increased echo texture.**

No obvious focal lesion seen. No intra hepatic biliary radical dilatation seen.

GALL BLADDER:

Partially distended. visualized lumen is clear.

The visualized CBD appears mildly prominent, measures, 8mm maximum diameter. The distal CBD is obscured.

PANCREAS:

Appears normal in size and shows uniform echo texture. The pancreatic duct is normal. No calcifications are seen.

SPLEEN:

Appears normal in size and it shows uniform echo texture.

RIGHT KIDNEY:

The shape, size and contour of the right kidney appear normal.

Corticomedullary differentiation is maintained. No evidence of pelvicalyceal dilatation.

No calculi seen.

LEFT KIDNEY:

The shape, size and contour of the left kidney appear normal.

Corticomedullary differentiation is maintained. No evidence of pelvicalyceal dilatation.

No calculi seen.

URINARY BLADDER:

Is normal in contour. No intraluminal echoes are seen. No calculus or diverticulum is seen.

UTERUS AND OVARIES:

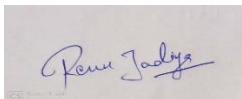
Post menopausal status.

No focal fluid collections seen.

IMPRESSION:

Grade-I fatty liver.

Mildly prominent CBD.



DR. RENU JADIYA
Consultant – Radiology
MBBS, DNB

DEPARTMENT OF CARDIOLOGY

UHID / IP NO	40010768 (5098)	RISNo./Status :	4024863/
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Bill Date/No :	23/02/2024 9:10AM/ OPSCR23-24/13810	Scan Date :	
Report Date :	23/02/2024 11:31AM	Company Name:	Final

REFERRAL REASON: HEALTH CHECKUP

2D ECHOCARDIOGRAPHY WITH COLOR DOPPLER

M MODE DIMENSIONS: -

		Normal		Normal
IVSD	10.1	6-12mm	LVIDS	25.0
LVIDD	37.6	32-57mm	LVPWS	16.9
LVPWD	11.1	6-12mm	AO	33.2
IVSS	16.9	mm	LA	31.3
LVEF	60-62	>55%	RA	-

DOPPLER MEASUREMENTS & CALCULATIONS:

STRUCTURE	MORPHOLOGY	VELOCITY (m/s)				GRADIENT (mmHg)	REGURGITATION
		E	0.75	e'	-		
MITRAL VALVE	NORMAL	A	0.83	E/e'	-	-	NIL
		E	0.49				
TRICUSPID VALVE	NORMAL	A	0.54		-	NIL	
		E	1.38				
AORTIC VALVE	NORMAL	0.77				-	NIL
PULMONARY VALVE	NORMAL	0.77				-	NIL

COMMENTS & CONCLUSION: -

- ALL CARDIAC CHAMBERS ARE NORMAL
- NO RWMA, LVEF 60-62%
- NORMAL LV SYSTOLIC FUNCTION
- GRADE I LV DIASTOLIC DYSFUNCTION
- ALL CARDIAC VALVES ARE NORMAL
- NO EVIDENCE OF CLOT/VEGETATION/PE
- INTACT IVS/IAS

IMPRESSION: - GRADE I LV DIASTOLIC DYSFUNCTION, NORMAL BI VENTRICULAR SYSTOLIC FUNCTION

DR SUPRIY JAIN
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AND WELLNESS CENTRE