**Patient Name** Mr. DEVENDRA AGRAWAL Lab No 4030842 UHID 40012972 **Collection Date** 13/04/2024 11:43AM 13/04/2024 11:58AM Age/Gender 36 Yrs/Male **Receiving Date Report Date IP/OP Location** O-OPD 13/04/2024 5:36PM

**Referred By** Dr. EHS CONSULTANT **Report Status** Final

92

Mobile No. 9462669675

**BIOCHEMISTRY** 

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

mg/dl

Method: Hexokinase assay.

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

**BLOOD GLUCOSE (PP)** Sample: PLASMA

BLOOD GLUCOSE (PP) 157 Non - Diabetic: - < 140 mg/dl mg/dl Pre - Diabetic: - 140-199 mg/dl

Diabetic: - >=200 mg/dl

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

Т3	1.330	ng/mL	0.970 - 1.690
T4	5.83	ug/dl	5.53 - 11.00
TSH	1.85	μIU/mL	0.40 - 4.05

**RESULT ENTERED BY: NEETU SHARMA** 

Dr. ABHINAY VERMA

Patient Name UHID	Mr. DEVENDRA AGRAWAL 40012972	Lab No Collection Date	4030842 13/04/2024 11:43AM
Age/Gender	36 Yrs/Male	Receiving Date	13/04/2024 11:58AM
IP/OP Location	O-OPD	Report Date	13/04/2024 5:36PM
Referred By	Dr. EHS CONSULTANT	Report Status	Final
Mobile No.	9462669675		

#### **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 acompetitive test principle with an antibody specifically directed against T4.

TSH - THYROID STIMULATING HORMONE :- ElectroChemiLuminescenceImmunoAssay - ECLIA

177 H

1.7

28.0

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.

LFT (LIVER FUNCTION TEST)				Sample: Serum
BILIRUBIN TOTAL	0.33	mg/dl	0.00 - 1.20	
BILIRUBIN INDIRECT	0.22	mg/dl	0.20 - 1.00	
BILIRUBIN DIRECT	0.11	mg/dl	0.00 - 0.30	
SGOT	20.0	U/L	0.0 - 40.0	
SGPT	23.8	U/L	0.0 - 41.0	
TOTAL PROTEIN	7.3	g/dl	6.6 - 8.7	
ALBUMIN	4.6	g/dl	3.5 - 5.2	
GLOBULIN	2.7		1.8 - 3.6	

U/L

Ratio

U/L

40 - 129

1.5 - 2.5

10.0 - 60.0

RESULT ENTERED BY : NEETU SHARMA

ALKALINE PHOSPHATASE

A/G RATIO

**GGTP** 

Dr. ABHINAY VERMA

MBBS | MD | INCHARGE PATHOLOGY

Page: 2 Of 10

Patient Name Mr. DEVENDRA AGRAWAL Lab No 4030842

 UHID
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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 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: Bivert 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

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	192		<200 mg/dl :- Desirable 200-240 mg/dl :- Borderline >240 mg/dl :- High
HDL CHOLESTEROL	31.8		High Risk :-<40 mg/dl (Male), <40 mg/dl (Female) Low Risk :->=60 mg/dl (Male), >=60 mg/dl (Female)
LDL CHOLESTEROL	151.0		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	30	mg/dl	10 - 50
TRIGLYCERIDES	150		Normal :- <150 mg/dl Border Line:- 150 - 199 mg/dl High :- 200 - 499 mg/dl Very high :- > 500 mg/dl
CHOLESTEROL/HDL RATIO	6	%	

**RESULT ENTERED BY : NEETU SHARMA** 

Dr. ABHINAY VERMA

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UHID 40012972 **Collection Date** 13/04/2024 11:43AM 13/04/2024 11:58AM Age/Gender 36 Yrs/Male **Receiving Date Report Date IP/OP Location** O-OPD 13/04/2024 5:36PM

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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 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

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

UREA	21.70	mg/dl	16.60 - 48.50
BUN	10	mg/dl	6 - 20
CREATININE	0.65 L	mg/dl	0.70 - 1.20
SODIUM	141	mmol/L	136 - 145
POTASSIUM	4.41	mmol/L	3.50 - 5.50
CHLORIDE	106.4	mmol/L	98 - 107
URIC ACID	5.2	mg/dl	3.4 - 7.0
CALCIUM	9.32	mg/dl	8.60 - 10.00

**RESULT ENTERED BY: NEETU SHARMA** 

Dr. ABHINAY VERMA

MBBS | MD | INCHARGE PATHOLOGY

Page: 4 Of 10

Patient Name Mr. DEVENDRA AGRAWAL Lab No 4030842

 UHID
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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 and kidney 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 usually associated with hypercalcemia. Increased serum calcium levels may also be observed in multiple myeloma and other neoplastic diseases. Hypocalcemia may

beobserved in hypoparathyroidism, nephrosis, and pancreatitis.

Sample: WHOLE BLOOD EDTA

HBA1C 5.9 % < 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

 ${\tt Method: - Turbidimetric\ inhibition\ immunoassay\ (TINIA)}$ 

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.

**RESULT ENTERED BY : NEETU SHARMA** 

Dr. ABHINAY VERMA

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Page: 5 Of 10

**Patient Name** Mr. DEVENDRA AGRAWAL Lab No 4030842

UHID 40012972 **Collection Date** 13/04/2024 11:43AM 13/04/2024 11:58AM Age/Gender **Receiving Date** 36 Yrs/Male **Report Date IP/OP Location** O-OPD 13/04/2024 5:36PM

**Referred By** Dr. EHS CONSULTANT **Report Status** Final

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### **BLOOD BANK INVESTIGATION**

**Biological Ref. Range Test Name** Result Unit

**BLOOD GROUPING** "AB" Rh Positive

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

**RESULT ENTERED BY: NEETU SHARMA** 

Dr. ABHINAY VERMA

**Patient Name** Mr. DEVENDRA AGRAWAL Lab No 4030842 **Collection Date** 13/04/2024 11:43AM UHID 40012972 13/04/2024 11:58AM Age/Gender **Receiving Date** 36 Yrs/Male **Report Date** O-OPD **IP/OP Location** 13/04/2024 5:36PM

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### **CLINICAL PATHOLOGY**

URINE SUGAR (POST PRANDIAL)  URINE SUGAR (POST PRANDIAL)  NEGATIVE  NEGATIVE  URINE SUGAR (RANDOM)  Sample: Urine
LIRINE SLIGAR (RANDOM)
LIRINE SLIGAR (RANDOM)
Sumple: Office
URINE SUGAR (RANDOM) NEGATIVE NEGATIVE
Sample: Urine
PHYSICAL EXAMINATION
VOLUME 20 ml
COLOUR PALE YELLOW P YELLOW
APPEARANCE CLEAR CLEAR
CHEMICAL EXAMINATION
PH 6.0 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 1-2 /hpf 0 - 1
CASTS NIL NIL
CRYSTALS NIL NIL

**RESULT ENTERED BY: NEETU SHARMA** 

Dr. ABHINAY VERMA

Mr. DEVENDRA AGRAWAL **Patient Name** Lab No 4030842 UHID 40012972 **Collection Date** 13/04/2024 11:43AM 13/04/2024 11:58AM Age/Gender 36 Yrs/Male **Receiving Date Report Date IP/OP Location** O-OPD 13/04/2024 5:36PM

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### **CLINICAL PATHOLOGY**

NIL **BACTERIA** NIL **OHTERS** NIL NIL

Methodology:-

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

**RESULT ENTERED BY: NEETU SHARMA** 

Dr. ABHINAY VERMA

**Patient Name** Mr. DEVENDRA AGRAWAL Lab No 4030842 UHID 40012972 **Collection Date** 13/04/2024 11:43AM Age/Gender 13/04/2024 11:58AM 36 Yrs/Male **Receiving Date** Report Date **IP/OP Location** O-OPD 13/04/2024 5:36PM

**Referred By** Dr. EHS CONSULTANT **Report Status** Final

Mobile No. 9462669675

#### **HEMATOLOGY**

Test Name	Result	Unit	Biological Ref. Rang	ge
CBC (COMPLETE BLOOD COUNT)				Sample: WHOLE BLOOD EDTA
HAEMOGLOBIN	13.3	g/dl	13.0 - 17.0	
PACKED CELL VOLUME(PCV)	44.6	%	40.0 - 50.0	
MCV	85.0	fl	82 - 92	
MCH	25.3 L	pg	27 - 32	
MCHC	29.8 L	g/dl	32 - 36	
RBC COUNT	5.25	millions/cu.mm	4.50 - 5.50	
TLC (TOTAL WBC COUNT)	5.84	10^3/ uL	4 - 10	
DIFFERENTIAL LEUCOCYTE COUNT				
NEUTROPHILS	52.4	%	40 - 80	
LYMPHOCYTE	38.2	%	20 - 40	
EOSINOPHILS	2.7	%	1 - 6	
BASOPHIL	0.7 L	%	1 - 2	
MONOCYTES	6.0	%	2 - 10	
PLATELET COUNT	2.88	lakh/cumm	1.500 - 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.

MCHC: - Method: - Calculation bysysmex.

REC 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) 15 mm/1st hr 0 - 15

**RESULT ENTERED BY: NEETU SHARMA** 

Dr. ABHINAY VERMA

**Patient Name** Lab No 4030842 Mr. DEVENDRA AGRAWAL UHID 40012972 **Collection Date** 13/04/2024 11:43AM 13/04/2024 11:58AM Age/Gender **Receiving Date** 36 Yrs/Male **Report Date** O-OPD **IP/OP Location** 13/04/2024 5:36PM Dr. EHS CONSULTANT **Referred By Report Status** Final Mobile No. 9462669675

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

\*\*End Of Report\*\*

RESULT ENTERED BY : NEETU SHARMA

Page: 10 Of 10

# **DEPARTMENT OF CARDIOLOGY**

UHID / IP NO	40012972 (11591)	RISNo./Status:	4030842/
Patient Name:	Mr. DEVENDRA AGRAWAL	Age/Gender:	36 Y/M
Referred By:	Dr. EHS CONSULTANT	Ward/Bed No:	OPD
Bill Date/No :	13/04/2024 11:27AM/ OPSCR24- 25/1290	Scan Date :	
Report Date:	13/04/2024 2:18PM	<b>Company Name:</b>	Final

REFERRAL REASON: ROUTINE CHECK-UP

### 2D ECHOCARDIOGRAPHY WITH COLOR DOPPLER

#### **M MODE DIMENSIONS: -**

Normal Normal								
IVSD	10.9	6-12mm			LVIDS	31.3	20-40mm	
LVIDD	47.1	32-57mm			LVPWS	16.8	mm	
LVPWD	10.9		6-1	l2mm		AO	27.6	19-37mm
IVSS	16.8		J	mm		LA	32.2	19-40mm
LVEF	62-64		>	55%		RA	-	mm
	DOPPLEI	R MEA	SUREN	IENTS &	& CALC	ULATIONS	<u>:</u>	
STRUCTURE	MORPHOLOGY		VELOC	CITY (m/	(s)	GRADIENT		REGURGITATION
						(mmHg)		
MITRAL	NORMAL	E	1.01	e'	-	-		NIL
VALVE		A	0.64	E/e'	-			
TRICUSPID	NORMAL	E 0.67		-		NIL		
VALVE			A 0.51		1			
			11	0	J1			
AORTIC	NORMAL	1.22		-		NIL		
VALVE								
PULMONARY	NORMAL	0.91				NIL		
VALVE						-		

### **COMMENTS & CONCLUSION: -**

- ALL CARDIAC CHAMBERS ARE NORMAL
- NO RWMA, LVEF 62-64%
- 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 MEGHRAJ MEENA MBBS, CTCCM, SONOLOGIST **FICC** CONSULTANT PREV. CCU

DR ROOPAM SHARMA MBBS, PGDCC, FIAE **CONSULTANT & INCHARGE** EMERGENCY, PREV. CARDIOLOGY & INCHARGE CARDIOLOGY(NIC) & WELLNESS **CENTER** 

# **DEPARTMENT OF RADIO DIAGNOSIS**

UHID / IP NO	40012972 (11591)	RISNo./Status:	4030842/
Patient Name:	Mr. DEVENDRA AGRAWAL	Age/Gender:	36 Y/M
Referred By:	Dr. EHS CONSULTANT	Ward/Bed No:	OPD
Bill Date/No:	13/04/2024 11:27AM/ OPSCR24- 25/1290	Scan Date :	
Report Date :	13/04/2024 11:39AM	<b>Company Name:</b>	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

• 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