Patient Name UHID	Mr. DINESH KUMAR 40001363			No lection Date	4030802 13/04/2024 9:11	BAM
Age/Gender	34 Yrs/Male			ceiving Date	13/04/2024 9:3	
IP/OP Location	O-OPD		Re	port Date	13/04/2024 2:5	3PM
Referred By	Dr. EHS CONSULTANT		Re	port Status	Final	
Mobile No.	8980547135					
			BIOCHEMISTRY			
Test Name		Result	Unit	Biolog	ical Ref. Range	
BLOOD GLUCOSE (F	ASTING)					Sample: Fl. Plasm
		101				
BLOOD GLUCOSE (FA	ASTING)	101	mg/dl	71 - 109		
Method: Hexokinase Interpretation:-Di		-	-		arbohydrate metabol	ism in
Method: Hexokinase	e assay. Lagnosis and monitoring o	-	-		arbohydrate metabol	ism in Sample: PLASM

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	1.410	ng/mL	0.970 - 1.690	
Τ4	7.89	ug/dl	5.53 - 11.00	
TSH	3.66	μIU/mL	0.40 - 4.05	

**RESULT ENTERED BY : NEETU SHARMA** 

AldrinayVerna

Dr. ABHINAY VERMA

Patient Name	Mr. DINESH KUMAR
UHID	40001363
Age/Gender	34 Yrs/Male
IP/OP Location	O-OPD
Referred By	Dr. EHS CONSULTANT
Mobile No.	8980547135

Lab No Collection Date Receiving Date Report Date Report Status 4030802 13/04/2024 9:13AM 13/04/2024 9:39AM 13/04/2024 2:53PM Final

### 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

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	0.30	mg/dl	0.00 - 1.20
BILIRUBIN INDIRECT	0.18 L	mg/dl	0.20 - 1.00
BILIRUBIN DIRECT	0.12	mg/dl	0.00 - 0.30
SGOT	47.0 H	U/L	0.0 - 40.0
SGPT	73.6 H	U/L	0.0 - 41.0
TOTAL PROTEIN	8.0	g/dl	6.6 - 8.7
ALBUMIN	4.8	g/dl	3.5 - 5.2
GLOBULIN	3.2		1.8 - 3.6
ALKALINE PHOSPHATASE	161 H	U/L	40 - 129
A/G RATIO	1.5	Ratio	1.5 - 2.5
GGTP	103.0 H	U/L	10.0 - 60.0

#### **RESULT ENTERED BY : NEETU SHARMA**

#### Dr. ABHINAY VERMA

MBBS | MD | INCHARGE PATHOLOGY

#### Sample: Serum

Patient Name UHID	Mr. DINESH KUMAR 40001363	Lab No Collection Date	4030802 13/04/2024 9:13AM
Age/Gender	34 Yrs/Male	Receiving Date	13/04/2024 9:39AM
IP/OP Location	O-OPD	Report Date	13/04/2024 2:53PM
Referred By	Dr. EHS CONSULTANT	Report Status	Final
Mobile No.	8980547135		

#### 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: 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

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	214		<200 mg/dl :- Desirable 200-240 mg/dl :- Borderline >240 mg/dl :- High
HDL CHOLESTEROL	38.8		High Risk :-<40 mg/dl (Male), <40 mg/dl (Female) Low Risk :->=60 mg/dl (Male), >=60 mg/dl (Female)
LDL CHOLESTEROL	154.7		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	32	mg/dl	10 - 50
TRIGLYCERIDES	158		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**

AlbinaryVan

#### Dr. ABHINAY VERMA

Patient Name	Mr. DINESH KUMAR	Lab No	4030802
UHID	40001363	Collection Date	13/04/2024 9:13AM
Age/Gender	34 Yrs/Male	Receiving Date	13/04/2024 9:39AM
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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

UREA 17.50 mg/dl 16.60 - 48.50 BUN 8 mg/dl 6 - 20 CREATININE 0.81 mg/dl 0.70 - 1.20 SODIUM 139 mmol/L 136 - 145 POTASSIUM 4.53 mmol/L 3.50 - 5.50 CHLORIDE 107.1 H 98 - 107 mmol/L URIC ACID 7.7 H mg/dl 3.4 - 7.0 CALCIUM 9.65 mg/dl 8.60 - 10.00

**RESULT ENTERED BY : NEETU SHARMA** 

AldrinayVer

Dr. ABHINAY VERMA

MBBS | MD | INCHARGE PATHOLOGY

Sample: Serum

Patient Name	Mr. DINESH KUMAR	Lab No	4030802
UHID	40001363	Collection Date	13/04/2024 9:13AM
Age/Gender	34 Yrs/Male	Receiving Date	13/04/2024 9:39AM
IP/OP Location	O-OPD	Report Date	13/04/2024 2:53PM
Referred By	Dr. EHS CONSULTANT	Report Status	Final
Mobile No.	8980547135		

#### 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

5.9

%

< 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

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 : NEETU SHARMA** 

AlbineyVern

**Dr. ABHINAY VERMA** 

MBBS | MD | INCHARGE PATHOLOGY

Sample: WHOLE BLOOD EDTA

Patient NameMr. DINESH KUMARLab No4030802	
UHID     40001363     Collection Date     13/04/2024     9:13AM	
Age/Gender34 Yrs/MaleReceiving Date13/04/20249:39AM	
IP/OP Location     O-OPD     Report Date     13/04/2024 2:53PM	
Referred ByDr. EHS CONSULTANTReport StatusFinal	
Mobile No. 8980547135	

### **BLOOD BANK INVESTIGATION**

Test Name	Result	Unit	Biological Ref. Range
BLOOD GROUPING	"B" Rh Positive		

**BLOOD GROUPING** 

Note :

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

**RESULT ENTERED BY : NEETU SHARMA** 

AldrinayVerna

Dr. ABHINAY VERMA

Patient Name	Mr. DINESH KUMAR	Lab No	4030802	
UHID	40001363	Collection Date	13/04/2024 9:13AM	
Age/Gender	34 Yrs/Male	Receiving Date	13/04/2024 9:39AM	
IP/OP Location	O-OPD	Report Date	13/04/2024 2:53PM	
Referred By	Dr. EHS CONSULTANT	Report Status	Final	
Mobile No.	8980547135			

### **CLINICAL PATHOLOGY**

Test Name	Result	Unit	Biological Ref. Range	
URINE SUGAR (POST PRANDIAL)				Sample: Urine
URINE SUGAR (POST PRANDIAL)	NEGATIVE		NEGATIVE	
URINE SUGAR (RANDOM)				Sample: Urine
URINE SUGAR (RANDOM)	NEGATIVE		NEGATIVE	
				Sample: Urine
PHYSICAL EXAMINATION				
VOLUME	15	ml		
COLOUR	PALE YELLOW		P YELLOW	
APPEARANCE	CLEAR		CLEAR	
CHEMICAL EXAMINATION				
РН	6.0		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	0-2	/hpf	0 - 3	
RBCS/HPF	0-0	/hpf	0 - 2	
EPITHELIAL CELLS/HPF	1-3	/hpf	0 - 1	
CASTS	NIL		NIL	
CRYSTALS	NIL		NIL	

### **RESULT ENTERED BY : NEETU SHARMA**



#### Dr. ABHINAY VERMA

Patient Name	Mr. DINESH KUMAR	Lab No	4030802
UHID	40001363	Collection Date	13/04/2024 9:13AM
Age/Gender	34 Yrs/Male	Receiving Date	13/04/2024 9:39AM
IP/OP Location	O-OPD	Report Date	13/04/2024 2:53PM
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### **CLINICAL PATHOLOGY**

BACTERIA	NIL	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** 

AlunayVerna

**Dr. ABHINAY VERMA** 

Patient Name	Mr. DINESH KUMAR	Lab No	4030802
UHID	40001363	Collection Date	13/04/2024 9:13AM
Age/Gender	34 Yrs/Male	Receiving Date	13/04/2024 9:39AM
IP/OP Location	O-OPD	Report Date	13/04/2024 2:53PM
Referred By	Dr. EHS CONSULTANT	Report Status	Final
Mobile No.	8980547135		

### HEMATOLOGY

Test Name	Result	Unit	Biological Ref. Ra	nge
CBC (COMPLETE BLOOD COUNT)				Sample: WHOLE BLOOD EDTA
HAEMOGLOBIN	13.8	g/dl	13.0 - 17.0	
PACKED CELL VOLUME(PCV)	44.8	%	40.0 - 50.0	
MCV	96.1 H	fl	82 - 92	
МСН	29.6	pg	27 - 32	
MCHC	30.8 L	g/dl	32 - 36	
RBC COUNT	4.66	millions/cu.mm	4.50 - 5.50	
TLC (TOTAL WBC COUNT)	5.62	10^3/ uL	4 - 10	
DIFFERENTIAL LEUCOCYTE COUNT				
NEUTROPHILS	48.9	%	40 - 80	
LYMPHOCYTE	32.4	%	20 - 40	
EOSINOPHILS	8.4 H	%	1 - 6	
BASOPHIL	0.9 L	%	1 - 2	
MONOCYTES	9.4	%	2 - 10	
PLATELET COUNT	1.45 L	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. RBC COUNT :- Method:-Hydrodynamicfocusing.Interpretation:-Low-Anemia,High-Polycythemia.

TLC (TOTAL WEC 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)

20 H

mm/1st hr 0 - 15

**RESULT ENTERED BY : NEETU SHARMA** 

AlerinaryVan

#### Dr. ABHINAY VERMA

Patient Name	Mr. DINESH KUMAR	Lab No	4030802
UHID	40001363	Collection Date	13/04/2024 9:13AM
Age/Gender	34 Yrs/Male	Receiving Date	13/04/2024 9:39AM
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Referred By	Dr. EHS CONSULTANT	Report Status	Final
Mobile No.	8980547135		

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

\*\*End Of Report\*\*

**RESULT ENTERED BY : NEETU SHARMA** 

# **DEPARTMENT OF CARDIOLOGY**

UHID / IP NO	40001363 (11516)	<b>RISNo./Status :</b>	4030802/
Patient Name :	Mr. DINESH KUMAR	Age/Gender :	34 Y/M
<b>Referred By :</b>	Dr. EHS CONSULTANT	Ward/Bed No :	OPD
Bill Date/No :	13/04/2024 8:48AM/ OPSCR24- 25/1229	Scan Date :	
<b>Report Date :</b>	13/04/2024 10:40AM	Company Name:	Final

### **REFERRAL REASON: HTN, HEALTH CHECKUP**

### 2D ECHOCARDIOGRAPHY WITH COLOR DOPPLER

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

			No	rmal				Normal
IVSD	8	6-12mm		LVIDS	29	20-40mm		
LVIDD	39		32-	57mm		LVPWS	16	mm
LVPWD	9		6-1	2mm		AO	22	19-37mm
IVSS	13		J	nm		LA	35	19-40mm
LVEF	60		>	55%		RA	-	mm
	DOPPLER	R MEA	SUREN	IENTS &	& CALC	ULATIONS	:	
STRUCTURE	MORPHOLOGY		VELOC	CITY (m	/s)	GRADIENT		REGURGITATION
		l í í í		(mmI	<u>Hg)</u>			
MITRAL	NORMAL	Е	0.74	e'	-	-		NIL
VALVE		Α	0.53	E/e'	-	-		
TRICUSPID	NORMAL		Е	0	.5	-		NIL
VALVE		A 0.4						
			A	U	.4			
AORTIC	NORMAL	1.0		-		NIL		
VALVE								
PULMONARY	NORMAL	0.8				NIL		
VALVE						-		

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

- ALL CARDIAC CHAMBERS ARE NORMAL
- NO RWMA, LVEF 60%
- 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**

# **DEPARTMENT OF RADIO DIAGNOSIS**

UHID / IP NO	40001363 (11516)	<b>RISNo./Status :</b>	4030802/
Patient Name :	Mr. DINESH KUMAR	Age/Gender :	34 Y/M
<b>Referred By :</b>	Dr. EHS CONSULTANT	Ward/Bed No :	OPD
Bill Date/No :	13/04/2024 8:48AM/ OPSCR24- 25/1229	Scan Date :	
Report Date :	13/04/2024 10:25AM	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: <u>IMPRESSION</u> : USG	No significant free fluid is seen in pelvic peritoneal cavity. findings are suggestive of

• No obvious significant sonographic abnormality noted.

Correlate clinically & with other related investigations.

Guren ...

DR. SURESH KUMAR SAINI RADIOLOGIST MBBS, MD. Reg. No. 22597, 36208.