Patient Name	Mr. AMRIT RAJ HEDA	Lab No	4057999
UHID	40022102	Collection Date	18/10/2024 9:01AM
Age/Gender	35 Yrs/Male	Receiving Date	18/10/2024 9:03AM
IP/OP Location	O-OPD	Report Date	18/10/2024 3:53PM
Referred By	Dr. EHS CONSULTANT	Report Status	Final
Mobile No.	9251616062		

BIOCHEMISTRY

Test Name	Result	Unit	Biological Ref. Range	
BLOOD GLUCOSE (FASTING)				Sample: Fl. Plasma
BLOOD GLUCOSE (FASTING)	88.5	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	1.370	ng/mL	0.970 - 1.690	
Τ4	8.71	ug/dl	5.53 - 11.00	
тѕн	0.79	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 FONCTION TEST)			
BILIRUBIN TOTAL	0.65	mg/dl	0.00 - 1.20
BILIRUBIN INDIRECT	0.47	mg/dl	0.20 - 1.00
BILIRUBIN DIRECT	0.18	mg/dl	0.00 - 0.30
SGOT	29.8	U/L	0.0 - 40.0
SGPT	34.3	U/L	0.0 - 41.0

RESULT ENTERED BY : SUNIL EHS

LET (LIVER ELINCTION TEST)

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Dr. ABHINAY VERMA

MBBS | MD | INCHARGE PATHOLOGY

Sample: Serum

Patient Name UHID	Mr. AMRIT RAJ HEDA 40022102			b No Ilection Date	4057999 18/10/2024 9:01AM	
Age/Gender	35 Yrs/Male		Re	ceiving Date	18/10/2024 9:03AM	
IP/OP Location	O-OPD		Re	port Date	18/10/2024 3:53PM	
Referred By	Dr. EHS CONSULTANT		Re	port Status	Final	
Mobile No.	9251616062					
BIOCHEMISTRY						
			<i>(</i>	.		

TOTAL PROTEIN	8.1	g/dl	6.6 - 8.7
ALBUMIN	4.9	g/dl	3.5 - 5.2
GLOBULIN	3.2		1.8 - 3.6
ALKALINE PHOSPHATASE	84	U/L	40 - 129
A/G RATIO	1.5	Ratio	1.5 - 2.5
GGTP	23.0	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,

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: Bluret 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: 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	248.9		<200 mg/dl :- Desirable 200-240 mg/dl :- Borderline >240 mg/dl :- High
HDL CHOLESTEROL	36.8		High Risk :-<40 mg/dl (Male), <40 mg/dl (Female) Low Risk :->=60 mg/dl (Male), >=60 mg/dl (Female)
LDL CHOLESTEROL	197.2		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	40	mg/dl	10 - 50

RESULT ENTERED BY : SUNIL EHS

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Dr. ABHINAY VERMA

Patient Name UHID	Mr. AMRIT RAJ HEDA 40022102			Lab No Collection Date	4057999 18/10/2024 9:01AM
Age/Gender IP/OP Location Referred By	35 Yrs/Male O-OPD Dr. EHS CONSULTANT			Receiving Date Report Date Report Status	18/10/2024 9:03AM 18/10/2024 3:53PM Final
Mobile No.	9251616062				
	BIOCHEMISTRY				
TRIGLYCERIDES		199.2		Normal :- <150 Border Line:- 1! High :- 200 - 49 Very high :- > 5	50 - 199 mg/dl 9 mg/dl
CHOLESTEROL/HDL RA	ATIO	7	%		

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

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

UREA	16.20 L	mg/dl	16.60 - 48.50
BUN	8	mg/dl	6 - 20
CREATININE	0.84	mg/dl	0.70 - 1.20
SODIUM	139	mmol/L	136 - 145
POTASSIUM	4.25	mmol/L	3.50 - 5.50
CHLORIDE	101.9	mmol/L	98 - 107
URIC ACID	6.0	mg/dl	3.4 - 7.0
CALCIUM	9.48	mg/dl	8.60 - 10.00

RESULT ENTERED BY : SUNIL EHS



Dr. ABHINAY VERMA

Patient Name UHID	Mr. AMRIT RAJ HEDA 40022102	Lab No Collection Date	4057999 18/10/2024 9:01AM
Age/Gender	35 Yrs/Male	Receiving Date Report Date	18/10/2024 9:03AM
IP/OP Location	O-OPD	·	18/10/2024 3:53PM
Referred By	Dr. EHS CONSULTANT	Report Status	Final
Mobile No.	9251616062		

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.

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 ropal failure. Wigh level: Debudgation should burge DKA ropalfailure

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

5.0

%

< 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

Patient Name UHID	Mr. AMRIT RAJ HEDA 40022102			Lab No Collection Date	4057999 18/10/2024 9:01A	M
Age/Gender	35 Yrs/Male			Receiving Date	18/10/2024 9:03A	M
IP/OP Location	O-OPD			Report Date	18/10/2024 3:53P	Μ
Referred By	Dr. EHS CONSULTANT			Report Status	Final	
Mobile No.	9251616062					
BIOCHEMISTRY						
Test Name		Result	Unit	Biologi	ical Ref. Range	
BLOOD GLUCOSE (F	<u>PP)</u>					Sample: PLASMA
BLOOD GLUCOSE (P	Р)	150.5	mg/dl		tic: - < 140 mg/dl c: - 140-199 mg/dl ⊧200 mg/dl	

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

RESULT ENTERED BY : SUNIL EHS

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Dr. ABHINAY VERMA

UHID40022102Collection Date18/10/2024 9:01AMAge/Gender35 Yrs/MaleReceiving Date Report Date18/10/2024 9:03AMIP/OP Location0-OPD18/10/2024 3:53PMReferred ByDr. EHS CONSULTANTReport StatusFinal	Patient Name	Mr. AMRIT RAJ HEDA	Lab No	4057999
IP/OP Location O-OPD Report Date 18/10/2024 3:53PM	UHID	40022102	Collection Date	18/10/2024 9:01AM
	Age/Gender	35 Yrs/Male	Receiving Date	18/10/2024 9:03AM
Referred By Dr. EHS CONSULTANT Report Status Final	IP/OP Location	O-OPD	Report Date	18/10/2024 3:53PM
	Referred By	Dr. EHS CONSULTANT	Report Status	Final
Mobile No. 9251616062	Mobile No.	9251616062		

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

Patient Name	Mr. AMRIT RAJ HEDA	Lab No	4057999
UHID	40022102	Collection Date	18/10/2024 9:01AM
Age/Gender	35 Yrs/Male	Receiving Date Report Date	18/10/2024 9:03AM
IP/OP Location	O-OPD	Report Status	18/10/2024 3:53PM
Referred By	Dr. EHS CONSULTANT		Final
Mobile No.	9251616062		

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	20	ml		
COLOUR	PALE YELLOW		P YELLOW	
APPEARANCE	HAZY		CLEAR	
CHEMICAL EXAMINATION				
РН	6.5		5.5 - 7.0	
SPECIFIC GRAVITY	1.020		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	TRACE		NEGATIVE	
MICROSCOPIC EXAMINATION				
WBCS/HPF	4-5	/hpf	0 - 3	
RBCS/HPF	0-0	/hpf	0 - 2	
EPITHELIAL CELLS/HPF	2-3	/hpf	0 - 1	
CASTS	NIL		NIL	
CRYSTALS	NIL		NIL	

RESULT ENTERED BY : SUNIL EHS

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Dr. ABHINAY VERMA

Patient Name UHID	Mr. AMRIT RAJ HEDA 40022102	Lab No Collection Date	4057999 18/10/2024 9:01AM
Age/Gender	35 Yrs/Male	Receiving Date	18/10/2024 9:03AM
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CLINICAL PATHOLOGY

BACTERIA	NIL	NIL
OHTERS	NIL	NIL

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

RESULT ENTERED BY : SUNIL EHS

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Dr. ABHINAY VERMA

Patient Name	Mr. AMRIT RAJ HEDA	Lab No	4057999
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IP/OP Location	O-OPD	Report Date	18/10/2024 3:53PM
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Mobile No.	9251616062		

HEMATOLOGY

Test Name	Result	Unit	Biological Ref. Range
			Sample: WHOLE BLOOD EDTA
HAEMOGLOBIN	15.7	g/dl	13.0 - 17.0
PACKED CELL VOLUME(PCV)	45.5	%	40.0 - 50.0
MCV	88.0	fl	82 - 92
МСН	30.4	pg	27 - 32
МСНС	34.5	g/dl	32 - 36
RBC COUNT	5.17	millions/cu.mm	4.50 - 5.50
TLC (TOTAL WBC COUNT)	6.26	10^3/ uL	4 - 10
DIFFERENTIAL LEUCOCYTE COUNT			
NEUTROPHILS	43.8	%	40 - 80
LYMPHOCYTE	44.2 H	%	20 - 40
EOSINOPHILS	4.2	%	1 - 6
BASOPHIL	0.3 L	%	1 - 2
MONOCYTES	7.5	%	2 - 10
PLATELET COUNT	2.51	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 Flowcytometry. 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)

25 H

mm/1st hr 0 - 15

RESULT ENTERED BY : SUNIL EHS

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Dr. ABHINAY VERMA

Patient Name	Mr. AMRIT RAJ HEDA	Lab No	4057999
UHID	40022102	Collection Date	18/10/2024 9:01AM
Age/Gender	35 Yrs/Male	Receiving Date	18/10/2024 9:03AM
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Referred By	Dr. EHS CONSULTANT	Report Status	Final
Mobile No.	9251616062		

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

End Of Report

RESULT ENTERED BY : SUNIL EHS

DEPARTMENT OF RADIO DIAGNOSIS

UHID / IP NO	40022102 (41644)	RISNo./Status :	4057999/
Patient Name :	Mr. AMRIT RAJ HEDA	Age/Gender :	35 Y/M
Referred By :	Dr. EHS CONSULTANT	Ward/Bed No :	OPD
Bill Date/No :	18/10/2024 8:22AM/ OPSCR24- 25/24134	Scan Date :	
Report Date :	18/10/2024 10:02AM	Company Name:	Mediwheel - Arcofemi Health Care Ltd.

ULTRASOUND STUDY OF WHOLE ABDOMEN

Liver:	Normal in size & shows increased parenchymal 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

• fatty liver grade – I.

Correlate clinically & with other related investigations.

Gener -

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

DEPARTMENT OF CARDIOLOGY

UHID / IP NO	40022102 (41644)	RISNo./Status :	4057999/
Patient Name :	Mr. AMRIT RAJ HEDA	Age/Gender :	35 Y/M
Referred By :	Dr. EHS CONSULTANT	Ward/Bed No :	OPD
Bill Date/No :	18/10/2024 8:22AM/ OPSCR24- 25/24134	Scan Date :	
Report Date :	18/10/2024 11:40AM	Company Name:	Final

REFERRAL REASON: HEALTH PACKAGE

2D ECHOCARDIOGRAPHY WITH COLOR DOPPLER

M MODE DIMENSIONS: -

Normal Normal								
IVSD	9.5		6-1	2mm		LVIDS	28.1	20-40mm
LVIDD	46.7		32-	57mm		LVPWS	16.3	mm
LVPWD	9.5		6-1	2mm		AO	27.2	19-37mm
IVSS	16.3		J	nm		LA	30.8	19-40mm
LVEF	60-62		>	55%		RA	-	mm
	DOPPLER	R MEA	SUREN	IENTS &	& CALC	ULATIONS	:	
STRUCTURE	MORPHOLOGY		VELOC	CITY (m/	's)	GRADIENT		REGURGITATION
						(mml	H <u>g)</u>	
MITRAL	NORMAL	Е	0.91	e'	-	-		NIL
VALVE		А	0.60	E/e'	-			
TRICUSPID	NORMAL	E 0.68		-		NIL		
VALVE		A 0.50						
		A 0.56						
AORTIC	NORMAL	1.47			-		NIL	
VALVE								
PULMONARY	NORMAL	1.12					NIL	
VALVE						-		

COMMENTS & CONCLUSION: -

- ALL CARDIAC CHAMBERS ARE NORMAL
- NO RWMA, LVEF 60-62%
- 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) DIRECTOR & INCHARGE CARDIOLOCY	DR MEGHRAJ MEENA MBBS, SONOLOGIST FICC, CONSULTANT	DR ROOPAM SHARMA MBBS, PGDCC, FIAE CONSULTANT & INCHARGE EMERCENCY, PDEV
CARDIOLOGY	PREV. CARDIOLOGY & INCHARGE CCU	EMERGENCY, PREV. CARDIOLOGY(NIC) & WELLNESS CENTER