

DEPARTMENT OF RADIO DIAGNOSIS

UHID / IP NO	40006499 (12055)	RISNo./Status :	4012336/ Provisional
Patient Name :	Mr. NITIN KUMAWAT	Age/Gender :	32 Y/M
Referred By :	Dr. ROOPAM SHARMA/ DIWANSHU KHATANA	Ward/Bed No :	OPD
Bill Date/No :	07/10/2023 8:48AM/ OPSCR23-24/6206	Scan Date :	
Report Date :	07/10/2023 10:15AM	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: Is partially distended. Lumen is clear.

Prostate: Is normal in size, measuring approx. 18 cc in volume.

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

IMPRESSION: USG findings are suggestive of

- **No significant abnormality detected.**

Correlate clinically & with other related investigations.



DR. APOORVA JETWANI
Incharge & Senior Consultant Radiology
MBBS, DMRD, DNB
Reg. No. 26466, 16307

DEPARTMENT OF CARDIOLOGY

UHID / IP NO	40006499 (12055)	RISNo./Status :	4012336/
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REFERRAL REASON: - HEALTH CHECKUP

2D ECHOCARDIOGRAPHY WITH COLOR DOPPLER

M MODE DIMENSIONS: -

		Normal		Normal
IVSD	9.9	6-12mm	LVIDS	27.6
LVIDD	40.8	32-57mm	LVPWS	14.8
LVPWD	11.5	6-12mm	AO	31.2
IVSS	14.9	mm	LA	30.5
LVEF	60-62	>55%	RA	-

DOPPLER MEASUREMENTS & CALCULATIONS:

STRUCTURE	MORPHOLOGY	VELOCITY (m/s)				GRADIENT (mmHg)	REGURGITATION
		E	0.84	e'			
MITRAL VALVE	NORMAL	A	0.59	E/e'		-	NIL
		E	0.57				
TRICUSPID VALVE	NORMAL	A	0.57			-	NIL
		E	1.02				
AORTIC VALVE	NORMAL	0.66				-	NIL
PULMONARY VALVE	NORMAL	0.66				-	NIL

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
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INTERVENTIONAL CARDIOLOGY

DR ROOPAM SHARMA
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CONSULTANT & INCHARGE
EMERGENCY, PREVENTIVE CARDIOLOGY
AND WELLNESS CENTRE

ETERNAL HOSPITAL MEDICAL TESTING LABORATORY

Patient Name	Mr. NITIN KUMAWAT	Lab No	545973
UHID	323436	Collection Date	07/10/2023 10:15AM
Age/Gender	32 Yrs/Male	Receiving Date	07/10/2023 10:15AM
IP/OP Location	O-OPD	Report Date	07/10/2023 10:53AM
Referred By	Dr. EHCC Consultant	Report Status	Final
Mobile No.	9773349797		



MC-2561

BIOCHEMISTRY

Test Name	Result	Unit	Biological Ref. Range
HBA1C	5.8	%	< 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 : - 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. MAHENDRA KUMAR

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

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

ETERNAL HOSPITAL MEDICAL TESTING LABORATORY

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UHID	40006499	Collection Date	07/10/2023 9:11AM
Age/Gender	32 Yrs/Male	Receiving Date	07/10/2023 9:16AM
IP/OP Location	O-OPD	Report Date	07/10/2023 12:35PM
Referred By	Dr. ROOPAM SHARMA/ DIWANSHU KHATANA	Report Status	Final
Mobile No.	8949231634		

BIOCHEMISTRY

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

BLOOD GLUCOSE (FASTING)	107.8 H	mg/dl	74 - 106
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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)	142.1	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.

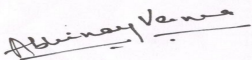
Interpretation:-Diagnosis and monitoring of treatment in diabetes mellitus and evaluation of carbohydrate metabolism in various diseases.

THYROID T3 T4 TSH

T3	1.530	ng/mL	0.970 - 1.690
T4	9.54	ug/dl	5.53 - 11.00
TSH	2.82	μIU/mL	0.40 - 4.05

Sample: Serum

RESULT ENTERED BY : MURARI PRAJAPATI



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	0.53	mg/dl	0.00 - 1.20
BILIRUBIN INDIRECT	0.43	mg/dl	0.20 - 1.00
BILIRUBIN DIRECT	0.10	mg/dl	0.00 - 0.40
SGOT	27.0	U/L	0.0 - 40.0
SGPT	32.9	U/L	0.0 - 40.0
TOTAL PROTEIN	7.0	g/dl	6.6 - 8.7
ALBUMIN	4.8	g/dl	3.5 - 5.2
GLOBULIN	2.2		1.8 - 3.6
ALKALINE PHOSPHATASE	47.3 L	U/L	53 - 128
A/G RATIO	2.2	Ratio	1.5 - 2.5
GGTP	24.8	U/L	10.0 - 55.0

RESULT ENTERED BY : MURARI PRAJAPATI

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.

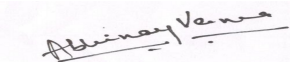
ALKALINE PHOSPHATASE :- Method: Colorimetric assay according to IFCC. Interpretation:-Elevated serum ALT is found in hepatitis, cirrhosis, obstructive jaundice, carcinoma of the liver, and chronic alcohol abuse. ALT is only slightly elevated in patients who have an uncomplicated myocardial infarction. **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	257		<200 mg/dl :- Desirable 200-240 mg/dl :- Borderline >240 mg/dl :- High
HDL CHOLESTEROL	40.3		High Risk :- <40 mg/dl (Male), <40 mg/dl (Female) Low Risk :- >=60 mg/dl (Male), >=60 mg/dl (Female)
LDL CHOLESTEROL	185.9		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	46	mg/dl	10 - 50
TRIGLYCERIDES	228.4		Normal :- <150 mg/dl Border Line:- 150 - 199 mg/dl High :- 200 - 499 mg/dl Very high :- > 500 mg/dl
CHOLESTEROL/HDL RATIO	6.4	%	

RESULT ENTERED BY : MURARI PRAJAPATI



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Mobile No.	8949231634		

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.

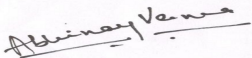
Interpretation:-High triglyceride levels also occur in various diseases of liver, kidneys and pancreas. DM, nephrosis, liver obstruction.

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

Sample: Serum

UREA	10.9 L	mg/dl	16.60 - 48.50
BUN	5.1 L	mg/dl	6 - 20
CREATININE	0.74	mg/dl	0.60 - 1.10
SODIUM	137.3	mmol/L	136 - 145
POTASSIUM	4.29	mmol/L	3.50 - 5.50
CHLORIDE	103.8	mmol/L	98 - 107
URIC ACID	5.0	mg/dl	3.5 - 7.2
CALCIUM	9.63	mg/dl	8.60 - 10.30

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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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ETERNAL HOSPITAL MEDICAL TESTING LABORATORY

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BLOOD BANK INVESTIGATION

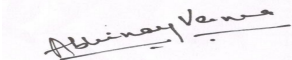
Test Name	Result	Unit	Biological Ref. Range
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BLOOD GROUPING	"B" Rh Positive		
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Note :

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

RESULT ENTERED BY : MURARI PRAJAPATI



Dr. ABHINAY VERMA

MBBS|MD|INCHARGE PATHOLOGY

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CLINICAL PATHOLOGY

Test Name	Result	Unit	Biological Ref. Range	Sample: Urine
<u>URINE SUGAR (POST PRANDIAL)</u>				
URINE SUGAR (POST PRANDIAL)	NEGATIVE		NEGATIVE	Sample: Urine
<u>URINE SUGAR (RANDOM)</u>				
URINE SUGAR (RANDOM)	NEGATIVE		NEGATIVE	Sample: Urine
<u>STOOL ROUTINE</u>				
COLOUR	BROWN		P YELLOW	Sample: Urine
MUCUS	NIL		NIL	
CONSISTENCY AND FORM	SEMI-SOLID		SEMI-SOLID	
BLOOD.	NIL			
WBCS/HPF.	0-1			
RBCS/HPF.	00			
OVA & CYST	NIL		ABSENT	
OHTERS	NIL		NIL	
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			

RESULT ENTERED BY : MURARI PRAJAPATI

Abhinay Verma

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CLINICAL PATHOLOGY

KETONES	NEGATIVE	NEGATIVE
NITRITE	NEGATIVE	NEGATIVE
UROBILINOGEN	NEGATIVE	NEGATIVE
LEUCOCYTE	NEGATIVE	NEGATIVE

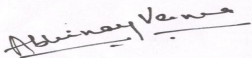
MICROSCOPIC EXAMINATION

WBCS/HPF	1-2	/hpf	0 - 3
RBCS/HPF	0-0	/hpf	0 - 2
EPITHELIAL CELLS/HPF	0-1	/hpf	0 - 1
CASTS	NIL		NIL
CRYSTALS	NIL		NIL
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 of 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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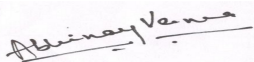
HEMATOLOGY

Test Name	Result	Unit	Biological Ref. Range
<u>CBC (COMPLETE BLOOD COUNT)</u>			
Sample: WHOLE BLOOD EDTA			
HAEMOGLOBIN	17.0	g/dl	13.0 - 17.0
PACKED CELL VOLUME(PCV)	51.5 H	%	40.0 - 50.0
MCV	83.5	fl	82 - 92
MCH	27.6	pg	27 - 32
MCHC	33.0	g/dl	32 - 36
RBC COUNT	6.17 H	millions/cu.mm	4.50 - 5.50
TLC (TOTAL WBC COUNT)	5.74	10 ³ / uL	4 - 10
<u>DIFFERENTIAL LEUCOCYTE COUNT</u>			
NEUTROPHILS	49.8	%	40 - 80
LYMPHOCYTE	42.0 H	%	20 - 40
EOSINOPHILS	2.8	%	1 - 6
MONOCYTES	4.9	%	2 - 10
BASOPHIL	0.5 L	%	1 - 2
PLATELET COUNT	2.55	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)	08	mm/1st hr	0 - 15
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RESULT ENTERED BY : MURARI PRAJAPATI



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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-RAYCHEST P. A. VIEW

Both lung fields are clear.

Both CP angles are clear.

Both hemi-diaphragms arenormal in shape and outlines.

Cardiac shadow is within normal limits.

Visualized bony thorax isunremarkable.

Correlateclinically & with other related investigations.

****End Of Report****

RESULT ENTERED BY : MURARI PRAJAPATI



APOORVA JETWANI

Select