DEPARTMENT OF LABORATORY MEDICINE

Patient Name	: Mr. MN KRUPAKAR	Order No	: 1000100827
UHID	: UHJA24007147	Registered On	: 26/10/2024 08:42:56 AM
Age/Sex	: 57/Years Male	Collected On	: 26/10/2024 08:46:39 AM
Ward / Bed No	:	Reported On	: 26/10/2024 12:26:53 PM
Reference	: Dr. Ashmitha Padma	Bill No	: OPBJA240009731
Station	: Corp	Mobile No	: 9845213008
Payer Name	: Mediwheel	Report Status	: Final Report

Test Name	Result	Unit	Bio. Ref. Interval
	BIOCHEMISTRY		
FASTING GLUCOSE (Method: Hexokinase)	**102**	mg/dL	ADA Guidelines < 100 mg/dl - Normal 100 to 125 mg/dl - Prediabetes ≥ 126 mg/dl - Diabetes
POST PRANDIAL GLUCOSE (Method: Hexokinase)	**157**	mg/dL	70-140
GLYCOSYLATED HAEMOGLOBIN (HBA1C)			Sample: Whole blood (EDTA)
HBAIC (Method: HPLC)	**6.5**	%	ADA Guidelines < 5.7% - Normal 5.7 to 6.4% - Prediabetes ≥ 6.5% - Diabetes
Estimated Average Glucose (eAG) (Method: Calculated)	**140**	mg/dL	
THYROID PROFILE (TOTAL T3, TOTAL T4 & TSH)			Sample: Serum
TOTAL T3 (Method:CLIA)	0.98	ng/mL	0.87-1.78
TOTAL T4 (Method:CLIA)	11.11	µg/dL	5.1-14.1
THYROID STIMULATING HORMONE (TSH) (Method:CLIA: Ultra-sensitive)	1.58	µIU/mL	0.38-5.33
LIPID PROFILE			Sample: Serum
TOTAL CHOLESTEROL (Method:CHOD-POD)	176	mg/dL	ATP III Guidelines < 200 - Desirable 200-239 - Borderline high ≥ 240 - High
TRIGLYCERIDES (Method:Enzymatic GPO-POD)	87	mg/dL	< 150 - Normal 150-199 - Borderline High 200-499 - High ≥ 500 - Very High
HDL CHOLESTEROL (Method:ENZYMATIC METHOD)	40.5	mg/dL	< 40 - Low ≥ 60 - High

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LDL CHOLESTEROL (Method: Calculated)	**118.10**	mg/dL	<100 - Optimal 100-129 - Near or above optimal 130-159 - Borderline high 160-189 - High ≥190 - Very high
VLDL CHOLESTEROL (Method: Calculated)	17.40	mg/dL	< 30
TOTAL CHOLESTEROL : HDL RATIO (Method: Calculated)	4.35		Low Risk: 3.3 - 4.4 Average Risk: 4.5 - 7.1 Moderate Risk: 7.2 - 11.0
LDL/HDL CHOLESTEROL RATIO (Method: Calculated)	**2.92**		< 2.5 Optimal
NON HDL CHOLESTEROL (Method: Calculated)	**135.50**	mg/dL	< 130
URIC ACID (Method:Uricase - POD(Enzymatic))	5.0	mg/dL	3.5-7.2
BUN/CREATININE RATIO			Sample: Serum
BLOOD UREA NITROGEN(BUN) (Method:Urease GLDH - Kinetic)	**7**	mg/dL	7.93-20.07
CREATININE (Method:Modified Jaffe, Kinetic)	**0.73**	mg/dL	0.9-1.3
BUN/CRE-RATIO (Method: Calculated)	**9.5**		12–20 : 1
LIVER FUNCTION TEST			Sample: Serum
TOTAL BILIRUBIN (Method:Dichlorophenyl Diazotization)	0.64	mg/dL	0.3-1.2
DIRECT BILIRUBIN (Method:Dichlorophenyl Diazotization)	0.11	mg/dL	0.0-0.2
INDIRECT BILIRUBIN (Method: Calculated)	0.53	mg/dL	0.2-1.0
TOTAL PROTEIN (Method:BIURET)	7.1	g/dL	6.6-8.3

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ALBUMIN (Method:BCG)	4.71	g/dL	3.5-5.2
GLOBULIN (Method: Calculated)	2.39	g/dL	2.3-3.5
AG RATIO (Method: Calculated)	1.97		2:1
SERUM SGOT (Method:IFCC without P5P)	26	U/L	< 50
SERUM SGPT (Method:IFCC without P5P)	36	U/L	< 50
ALKALINE PHOSPHATASE, SERUM (Method:PNPP AMP Buffer)	82	U/L	50-116
GGT (Method:IFCC)	40	U/L	< 55
PROSTATE SPECIFIC ANTIGEN (PSA) (Method:CLIA)	3.59	ng/mL	< 4.0

Interpretation Notes

Serum PSA concentrations should not be interpreted as absolute evidence for the presence or absence of malignant disease nor should serum PSA be used alone as a screening test for malignant disease. For diagnostic purposes, the results obtained by immunometric assay should always be used in combination with the clinical examinations, patient medical history and other findings. The concentration of PSA in a given specimen, determined with assays from different manufacturers, may not be comparable due to differences in assay methods, calibration, and reagent specificity.

UREA (Method:Urease GLDH - Kinetic)	**14.2**	mg/dL	17-43

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HAEMATOLOGY			
COMPLETE BLOOD COUNT(CBC)			Sample: Whole blood (EDTA)
HAEMOGLOBIN (Method:Photometric Measurement: Oxyhemoglobin method)	15.32	g/dL	13.5-17.5
PACKED CELL VOLUME/HEMATOCRIT (PCV/HCT) (Method: Calculated)	47.0	%	42-52
TOTAL WBC COUNT (TLC) (Method:Coulter Principle)	5150	Cells/Cum	4000-11000
DIFFERENTIAL COUNT			
NEUTROPHILS (Method:Optical/Impedance)	48.28	%	40-75
LYMPHOCYTES (Method:Optical/Impedance)	36.58	%	20-45
EOSINOPHILS (Method:Optical/Impedance)	**8.68**	%	0-6
MONOCYTES (Method:Optical/Impedance)	6.24	%	2-10
BASOPHILS (Method:Optical/Impedance)	0.22	%	0-2
RED BLOOD CORPUSCLES(RBC) (Method:Coulter Principle)	5.47	million/cum	4.5-5.9
MCV (Method:Derived from RBC Histogram)	85.9	fL	78-100
MCH (Method: Calculated)	28.0	pg	27-31
MCHC (Method: Calculated)	32.6	g/dL	31-37
RDW - CV (Method: Calculated)	14.1	%	11.5-14.5
PLATELET COUNT (Method:Electrical Impedance)	2.65	Lakhs/Cum	1.5-4.5

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MEAN PLATELET VOLUME(MPV) (Method:Derived from PLT Histogram)	**7.35**	fl	9-13
PLATELET DISTRIBUTION WIDTH (PDW) (Method: Calculated)	18.6	fl	9-19
ABSOLUTE NEUTROPHIL COUNT (ANC) (Method: Calculated)	2490	Cells/Cum	1500-7500
ABSOLUTE EOSINOPHIL COUNT (AEC) (Method: Calculated)	**450**	Cells/Cum	40-440
ABSOLUTE LYMPHOCYTE COUNT (ALC) (Method: Calculated)	1880	Cells/Cum	1000-4000
ABSOLUTE MONOCYTE COUNT (AMC) (Method: Calculated)	320	Cells/Cum	200-1000
ABSOLUTE BASOPHIL COUNT (ABC) (Method: Calculated)	**10**	Cells/Cum	20-100
ERYTHROCYTE SEDIMENTATION RATE(ESR) (Method:Modified Westergren Method)	14	mm/hour	1-20

BLOOD GROUPING & RH TYPING — Sample: Whole blood (EDTA)

ABO Group (Method:Agglutination Method)	A	
Rh Factor (Method:Agglutination Method)	Positive	

Interpretation Notes

Note: Both forward and reverse grouping performed

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CLINICAL PATHOLOGY

URINE EXAMINATION, ROUTINE — Sample: Urine

Test Name	Result	Unit	Bio. Ref. Interval
PHYSICAL EXAMINATION			
VOLUME	20	mL	
COLOUR	Pale Yellow		
APPEARANCE	Clear		
PH	5.0		5.0-8.0
SPECIFIC GRAVITY	1.010		1.005-1.030
CHEMICAL EXAMINATION			
PROTEIN (Method:Protein Error of pH Indicator)	Absent		Absent
GLUCOSE (Method:GOD-POD)	Absent		Absent
KETONE BODIES (Method:Nitroprusside method/ Rothera's test)	Absent		Absent
BILIRUBIN (Method:DIAZO/FOUCHET'S TEST)	Negative		Negative
BILE SALT (Method:Hay's sulfur test)	Absent		Absent
NITRITE (Method:Griess method)	Negative		Negative
UROBILINOGEN (Method:Azo coupling method)	Normal		
LEUKOCYTE ESTERASE (Method:Leukocyte Esterase activity)	Negative		Negative
BLOOD (Method:Peroxidase Reaction)	Negative		Negative
MICROSCOPIC EXAMINATION			

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Test Name	Result	Unit	Bio. Ref. Interval
EPITHELIAL CELLS	2-4	/HPF	0-5
PUS CELLS	4-6	/HPF	0-5
RBCs	Nil	/HPF	0-2
CASTS	Nil	/LPF	
CRYSTALS	Nil		
OTHERS	Nil		
URINE SUGAR, FASTING (Method:GOD-POD)	Absent		
URINE SUGAR (POST PRANDIAL)	Absent		

Verified By
G Mahesh kumar

---End of Report---

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