

DEPARTMENT OF LABORATORY MEDICINE

Patient Name	: Mr. B K RAGHU	Order No	: 1000097331
UHID	: UHJA24005949	Registered On	: 26/09/2024 09:53:14 AM
Age/Sex	: 42/Years Male	Collected On	: 26/09/2024 09:56:58 AM
Ward / Bed No	:	Reported On	: 26/09/2024 12:03:36 PM
Reference	: Dr. Ashmitha Padma	Bill No	: OPBJA240008200
Station	: At Hospital	Mobile No	: 8431364587
Payer Name	: Mediwheel	Report Status	: Final Report

Test Name	Result	Unit	Bio. Ref. Interval
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BIOCHEMISTRY

FASTING GLUCOSE (Method: Hexokinase)	88	mg/dL	ADA Guidelines < 100 mg/dl - Normal 100 to 125 mg/dl - Prediabetes ≥ 126 mg/dl - Diabetes
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GLYCOSYLATED HAEMOGLOBIN (HBA1C) Sample: Whole blood (EDTA)

HBA1C (Method: HPLC)	5.4	%	ADA Guidelines < 5.7% - Normal 5.7 to 6.4% - Prediabetes ≥ 6.5% - Diabetes
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Estimated Average Glucose (eAG) (Method: Calculated)	108	mg/dL	
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THYROID PROFILE (TOTAL T3, TOTAL T4 & TSH) Sample: Serum

TOTAL T3 (Method:CLIA)	1.10	ng/mL	0.87-1.78
TOTAL T4 (Method:CLIA)	9.29	µg/dL	5.1-14.1
THYROID STIMULATING HORMONE (TSH) (Method:CLIA: Ultra-sensitive)	3.16	µIU/mL	0.34-5.60

LIPID PROFILE Sample: Serum

TOTAL CHOLESTEROL (Method:CHOD-POD)	263	mg/dL	ATP III Guidelines < 200 - Desirable 200-239 - Borderline high ≥ 240 - High
TRIGLYCERIDES (Method:Enzymatic GPO-POD)	233	mg/dL	< 150 - Normal 150-199 - Borderline High 200-499 - High ≥ 500 - Very High
HDL CHOLESTEROL (Method:ENZYMATIC METHOD)	49.9	mg/dL	< 40 - Low ≥ 60 - High

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LDL CHOLESTEROL (Method: Calculated)	166.50	mg/dL	<100 - Optimal 100-129 - Near or above optimal 130-159 - Borderline high 160-189 - High ≥190 - Very high
VLDL CHOLESTEROL (Method: Calculated)	46.60	mg/dL	< 30
TOTAL CHOLESTEROL : HDL RATIO (Method: Calculated)	5.27		Low Risk: 3.3 - 4.4 Average Risk: 4.5 - 7.1 Moderate Risk: 7.2 - 11.0
LDL/HDL CHOLESTEROL RATIO (Method: Calculated)	3.34		< 2.5 Optimal
NON HDL CHOLESTEROL (Method: Calculated)	213.10	mg/dL	< 130
URIC ACID (Method:Uricase - POD(Enzymatic))	4.4	mg/dL	3.5-7.2
BUN/CREATININE RATIO			Sample: Serum
BLOOD UREA NITROGEN(BUN) (Method:Urease GLDH - Kinetic)	13	mg/dL	7.93-20.07
CREATININE (Method:Modified Jaffe, Kinetic)	1.04	mg/dL	0.9-1.3
BUN/CRE-RATIO (Method: Calculated)	12.7		12-20 : 1
LIVER FUNCTION TEST			Sample: Serum
TOTAL BILIRUBIN (Method:Dichlorophenyl Diazotization)	0.81	mg/dL	0.3-1.2
DIRECT BILIRUBIN (Method:Dichlorophenyl Diazotization)	0.14	mg/dL	0.0-0.2
INDIRECT BILIRUBIN (Method: Calculated)	0.67	mg/dL	0.2-1.0
TOTAL PROTEIN (Method:BIURET)	7.4	g/dL	6.6-8.3

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ALBUMIN (Method:BCG)	4.21	g/dL	3.5-5.2
GLOBULIN (Method: Calculated)	3.19	g/dL	2.3-3.5
AG RATIO (Method: Calculated)	1.32		2:1
SERUM SGOT (Method:IFCC without P5P)	19	U/L	< 50
SERUM SGPT (Method:IFCC without P5P)	22	U/L	< 50
ALKALINE PHOSPHATASE, SERUM (Method:PNPP AMP Buffer)	57	U/L	50-116
GGT (Method:IFCC)	18	U/L	< 55
PROSTATE SPECIFIC ANTIGEN (PSA) (Method:CLIA)	0.28	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)	27.4	mg/dL	17-43
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HAEMATOLOGY
COMPLETE BLOOD COUNT(CBC)

Sample: Whole blood (EDTA)

HAEMOGLOBIN (Method:Photometric Measurement: Oxyhemoglobin method)	15.16	g/dL	13.5-17.5
PACKED CELL VOLUME/HEMATOCRIT (PCV/HCT) (Method: Calculated)	45.7	%	42-52
TOTAL WBC COUNT (TLC) (Method:Coulter Principle)	6620	Cells/Cum	4000-11000
DIFFERENTIAL COUNT			
NEUTROPHILS (Method:Optical/Impedance)	58.44	%	40-75
LYMPHOCYTES (Method:Optical/Impedance)	32.92	%	20-45
EOSINOPHILS (Method:Optical/Impedance)	2.16	%	0-6
MONOCYTES (Method:Optical/Impedance)	5.97	%	2-10
BASOPHILS (Method:Optical/Impedance)	0.51	%	0-2
RED BLOOD CORPUSCLES(RBC) (Method:Coulter Principle)	5.55	million/cum	4.5-5.9
MCV (Method:Derived from RBC Histogram)	82.3	fL	78-100
MCH (Method: Calculated)	27.3	pg	27-31
MCHC (Method: Calculated)	33.2	g/dL	31-37
RDW - CV (Method: Calculated)	14.2	%	11.5-14.5
PLATELET COUNT (Method:Electrical Impedance)	2.23	Lakhs/Cum	1.5-4.5

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MEAN PLATELET VOLUME(MPV) (Method:Derived from PLT Histogram)	7.60	fl	9-13
PLATELET DISTRIBUTION WIDTH (PDW) (Method: Calculated)	17.7	fl	9-19
ERYTHROCYTE SEDIMENTATION RATE(ESR) (Method:Modified Westergren Method)	23	mm/hour	1-15

BLOOD GROUPING & RH TYPING

Sample: Whole blood (EDTA)

ABO Group (Method:Agglutination Method)	O
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

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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EPITHELIAL CELLS	0-2	/HPF	0-5
PUS CELLS	0-2	/HPF	0-5
RBCs	0-2	/HPF	0-2
CASTS	Nil	/LPF	
CRYSTALS	Nil		
OTHERS	Nil		
URINE SUGAR, FASTING (Method:GOD-POD)	Absent		

Verified By
Sridhar Kandukuri

---End of Report---



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