

DEPARTMENT OF LABORATORY MEDICINE

Patient Name : Mrs. D MUTHU	Order No : 1000096116
UHID : UHJA24005540	Registered On : 14/09/2024 09:21:44 AM
Age/Sex : 56/Years Female	Collected On : 14/09/2024 09:39:57 AM
Ward / Bed No :	Reported On : 14/09/2024 01:21:23 PM
Reference : Dr. Preventive Health Check Up	Bill No : OPBJA240007653
Station : At Hospital	Mobile No : 9880456729
Payer Name : Mediwheel	Report Status : Final Report

Test Name	Result	Unit	Bio. Ref. Interval
BIOCHEMISTRY			
FASTING GLUCOSE (Method: Hexokinase)	91	mg/dL	ADA Guidelines < 100 mg/dl - Normal 100 to 125 mg/dl - Prediabetes ≥ 126 mg/dl - Diabetes
POST PRANDIAL GLUCOSE (Method: Hexokinase)	75	mg/dL	70-140
GLYCOSYLATED HAEMOGLOBIN (HBA1C)			Sample: Whole blood (EDTA)
HBA1C (Method: HPLC)	6.0	%	ADA Guidelines < 5.7% - Normal 5.7 to 6.4% - Prediabetes ≥ 6.5% - Diabetes
Estimated Average Glucose (eAG) (Method: Calculated)	125	mg/dL	
THYROID PROFILE (TOTAL T3, TOTAL T4 & TSH)			Sample: Serum
TOTAL T3 (Method:CLIA)	1.02	ng/mL	0.87-1.78
TOTAL T4 (Method:CLIA)	9.60	µg/dL	5.1-14.1
THYROID STIMULATING HORMONE (TSH) (Method:CLIA: Ultra-sensitive)	16.40	µIU/mL	0.38-5.33
LIPID PROFILE			Sample: Serum
TOTAL CHOLESTEROL (Method:CHOD-POD)	242	mg/dL	ATP III Guidelines < 200 - Desirable 200-239 - Borderline high ≥ 240 - High
TRIGLYCERIDES (Method:Enzymatic GPO-POD)	111	mg/dL	< 150 - Normal 150-199 - Borderline High 200-499 - High ≥ 500 - Very High
HDL CHOLESTEROL (Method:ENZYMATIC METHOD)	62.7	mg/dL	< 40 - Low ≥ 60 - High

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LDL CHOLESTEROL (Method: Calculated)	157.10	mg/dL	<100 - Optimal 100-129 - Near or above optimal 130-159 - Borderline high 160-189 - High ≥190 - Very high
VLDL CHOLESTEROL (Method: Calculated)	22.20	mg/dL	< 30
TOTAL CHOLESTEROL : HDL RATIO (Method: Calculated)	3.86		Low Risk: 3.3 - 4.4 Average Risk: 4.5 - 7.1 Moderate Risk: 7.2 - 11.0
LDL/HDL CHOLESTEROL RATIO (Method: Calculated)	2.51		< 2.5 Optimal
NON HDL CHOLESTEROL (Method: Calculated)	179.30	mg/dL	< 130
URIC ACID (Method:Uricase - POD(Enzymatic))	3.7	mg/dL	2.6-6.0
LIVER FUNCTION TEST			
TOTAL BILIRUBIN (Method:Dichlorophenyl Diazotization)	0.89	mg/dL	0.3-1.2
DIRECT BILIRUBIN (Method:Dichlorophenyl Diazotization)	0.11	mg/dL	0.0-0.2
INDIRECT BILIRUBIN (Method: Calculated)	0.78	mg/dL	0.2-1.0
TOTAL PROTEIN (Method:BIURET)	6.5	g/dL	6.6-8.3
ALBUMIN (Method:BCG)	4.16	g/dL	3.5-5.2
GLOBULIN (Method: Calculated)	2.34	g/dL	2.3-3.5
AG RATIO (Method: Calculated)	1.78		2:1
SERUM SGOT (Method:IFCC without P5P)	19	U/L	< 35

Sample: Serum

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SERUM SGPT (Method:IFCC without P5P)	13	U/L	< 35
ALKALINE PHOSPHATASE, SERUM (Method:PNPP AMP Buffer)	79	U/L	46-122
GGT (Method:IFCC)	23	U/L	< 38
UREA (Method:Urease GLDH - Kinetic)	19.7	mg/dL	17-43
BUN/CREATININE RATIO			
BLOOD UREA NITROGEN(BUN) (Method:Urease GLDH - Kinetic)	9	mg/dL	7.93-20.07
CREATININE (Method:Modified Jaffe, Kinetic)	0.67	mg/dL	0.6-1.1
BUN/CRE-RATIO (Method: Calculated)	13.43		12-20 : 1

Sample: Serum



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HAEMATOLOGY
COMPLETE BLOOD COUNT(CBC)

Sample: Whole blood (EDTA)

HAEMOGLOBIN (Method:Photometric Measurement: Oxyhemoglobin method)	13.80	g/dL	12-16
PACKED CELL VOLUME/HEMATOCRIT (PCV/HCT) (Method: Calculated)	43.3	%	37-47
TOTAL WBC COUNT (TLC) (Method:Coulter Principle)	5640	Cells/Cum	4000-11000
DIFFERENTIAL COUNT			
NEUTROPHILS (Method:Optical/Impedance)	59.62	%	40-75
LYMPHOCYTES (Method:Optical/Impedance)	29.49	%	20-45
EOSINOPHILS (Method:Optical/Impedance)	5.06	%	0-6
MONOCYTES (Method:Optical/Impedance)	5.54	%	2-10
BASOPHILS (Method:Optical/Impedance)	0.29	%	0-2
RED BLOOD CORPUSCLES(RBC) (Method:Coulter Principle)	4.91	million/cum	4.0-5.2
MCV (Method:Derived from RBC Histogram)	88.1	fL	78-100
MCH (Method: Calculated)	28.1	pg	27-31
MCHC (Method: Calculated)	31.9	g/dL	31-37
RDW - CV (Method: Calculated)	14.3	%	11.5-14.5
PLATELET COUNT (Method:Electrical Impedance)	2.66	Lakhs/Cum	1.5-4.5

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MEAN PLATELET VOLUME(MPV) <small>(Method:Derived from PLT Histogram)</small>	7.87	fl	9-13
PLATELET DISTRIBUTION WIDTH (PDW) <small>(Method: Calculated)</small>	20.0	fl	9-19
ERYTHROCYTE SEDIMENTATION RATE(ESR) <small>(Method:Modified Westergren Method)</small>	30	mm/hour	1-30

BLOOD GROUPING & RH TYPING

Sample: Whole blood (EDTA)

ABO Group <small>(Method:Agglutination Method)</small>	B
Rh Factor <small>(Method:Agglutination Method)</small>	Positive

Interpretation Notes

Note: Both forward and reverse grouping performed



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CLINICAL PATHOLOGY

URINE EXAMINATION, ROUTINE

Sample: Urine

PHYSICAL EXAMINATION

VOLUME	25	mL	
COLOUR	Pale Yellow		
APPEARANCE	Clear		
PH	5.0		5.0-8.0
SPECIFIC GRAVITY	1.005		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	2-4	/HPF	0-5
PUS CELLS	0-2	/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
Rashmita

---End of Report---



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