UNITED HOSPITAL
Care Par Excellence

ilac-MRA

DEPARTMENT OF LABORATORY MEDICINE

Patient Name	: Mrs. MOUNIKA MITNASALA	Order No	: 1000081690
UHID	: UHJA24000106	Registered On	: 02/04/2024 01:54:34 PM
Age/Sex	: 30/Years Female	Collected On	: 02/04/2024 01:56:48 PM
Ward / Bed No	:	Reported On	: 02/04/2024 03:40:18 PM
Reference	:	Bill No	: OOBJA24000063
Station	: At Hospital	Mobile No	: 9652445665
Payer Name	:	Report Status	: Final Report

Test Name	Result	Unit	Bio. Ref. Interval
	BIOCHEMISTRY		
VITAMIN B12 (Method:CLIA)	211	pg/mL	75-807

Interpretation Notes

Vitamin B12 or Cobalamin assay helps to diagnose the cause of anemia or neuropathy; to evaluate nutritional status in some patients; to monitor effectiveness of treatment for B12 deficiency. Vitamin B12 is necessary for normal RBC formation, tissue and cellular repair, and DNA synthesis. Vitamin B12 is also important for nerve health; a deficiency in either B12 or Folate can lead to macrocytic anemia. Interpretation of the result should be considered in relation to clinical circumstances. The concentration of Vitamin B12 obtained with different assay methods cannot be used interchangeably due to differences in assay methods and reagent specificity.

Verified By
Rashmita

---End of Report---

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KMC:66136

*NABL renewal under process.

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DEPARTMENT OF LABORATORY MEDICINE

Patient Name	: Mrs. MOUNIKA MITNASALA	Order No	: 1000081661
UHID	: UHJA24000106	Registered On	: 02/04/2024 10:02:05 AM
Age/Sex	: 30/Years Female	Collected On	: 02/04/2024 10:17:48 AM
Ward / Bed No	:	Reported On	: 02/04/2024 07:34:49 PM
Reference	: Dr. Preventive Health Check Up	Bill No	: OPBJA240000133
Station	: At Hospital	Mobile No	: 9652445665
Payer Name	: Mediwheel	Report Status	: Final Report

Test Name	Result	Unit	Bio. Ref. Interval
	BIOCHEMISTRY		
FASTING GLUCOSE (Method: Hexokinase)	87	mg/dL	ADA Guidelines < 100 mg/dl - Normal 100 to 125 mg/dl - Prediabetes ≥ 126 mg/dl - Diabetes
POST PRANDIAL GLUCOSE (Method: Hexokinase)	84	mg/dL	70-140
GLYCOSYLATED HAEMOGLOBIN (HBA1C)			Sample: Whole blood (EDTA)
HBAIC (Method: HPLC)	5.3	%	ADA Guidelines < 5.7% - Normal 5.7 to 6.4% - Prediabetes ≥ 6.5% - Diabetes
Estimated Average Glucose (eAG) (Method: Calculated)	105.40	mg/dL	
THYROID PROFILE (TOTAL T3, TOTAL T4 & TSH)			Sample: Serum
TOTAL T3 (Method:CLIA)	1.01	ng/mL	0.87-1.78
TOTAL T4 (Method:CLIA)	9.66	≈g/dL	5.1-14.1
THYROID STIMULATING HORMONE (TSH) (Method:CLIA: Ultra-sensitive)	2.33	ı IU/mL	0.34 - 5.60 ı IU/mL (Non Pregnant) 0.3 - 4.5 ı IU/mL (I trimester) 0.5 - 5.2 ı IU/mL (II & III trimester)
LIPID PROFILE			Sample: Serum
TOTAL CHOLESTEROL (Method:CHOD-POD)	151	mg/dL	ATP III Guidelines < 200 - Desirable 200-239 - Borderline high ≥ 240 - High
TRIGLYCERIDES (Method:Enzymatic GPO-POD)	55	mg/dL	< 150 - Normal 150-199 - Borderline High 200-499 - High ≥ 500 - Very High
HDL CHOLESTEROL (Method:ENZYMATIC METHOD)	42.0	mg/dL	< 40 - Low ≥ 60 - High

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LDL CHOLESTEROL (Method:ENZYMATIC METHOD)	98	mg/dL	<100 - Optimal 100-129 - Near or above optimal 130-159 - Borderline high 160-189 - High ≥190 - Very high
VLDL CHOLESTEROL (Method: Calculated)	11.00	mg/dL	< 30
TOTAL CHOLESTEROL : HDL RATIO (Method: Calculated)	3.59		Low Risk: 3.3 - 4.4 Average Risk: 4.5 - 7.1 Moderate Risk: 7.2 - 11.0
LDL/HDL CHOLESTEROL RATIO (Method: Calculated)	2.33		< 2.5 Optimal
NON HDL CHOLESTEROL (Method: Calculated)	109	mg/dL	< 130
URIC ACID (Method:Uricase - POD(Enzymatic))	4.9	mg/dL	2.6-6.0
BLOOD UREA NITROGEN(BUN) (Method:Urease GLDH - Kinetic)	9	mg/dL	7.93-20.07
CREATININE (Method:Modified Jaffe, Kinetic)	0.69	mg/dL	0.6-1.1
LIVER FUNCTION TEST			Sample: Serum
TOTAL BILIRUBIN (Method:Dichlorophenyl Diazotization)	0.34	mg/dL	0.3-1.2
DIRECT BILIRUBIN (Method:Dichlorophenyl Diazotization)	0.08	mg/dL	0.0-0.2
INDIRECT BILIRUBIN (Method: Calculated)	0.27	mg/dL	0.2-1.0
TOTAL PROTEIN (Method:BIURET)	6.8	g/dL	6.6-8.3
ALBUMIN (Method:BCG)	4.13	g/dL	3.5-5.2
GLOBULIN (Method: Calculated)	2.66	g/dL	2.3-3.5

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Test Name	Result	Unit	Bio. Ref. Interval
AG RATIO (Method: Calculated)	1.54		2:1
SERUM SGOT (Method:IFCC without P5P)	15	U/L	< 35
SERUM SGPT (Method:IFCC without P5P)	11	U/L	< 35
ALKALINE PHOSPHATASE, SERUM (Method:PNPP AMP Buffer)	64	U/L	44-107
GGT (Method:IFCC)	13	U/L	< 38

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HAEMATOLOGY

COMPLETE BLOOD COUNT(CBC)

Sample: Whole blood (EDTA)

Test Name	Result	Unit	Bio. Ref. Interval
HAEMOGLOBIN (Method:Photometric Measurement: Oxyhemoglobin method)	13.21	g/dL	12-16
PACKED CELL VOLUME/HEMATOCRIT (PCV/HCT) (Method: Calculated)	39.3	%	37-47
TOTAL WBC COUNT (TLC) (Method:Coulter Principle)	7180	Cells/Cum	4000-11000
DIFFERENTIAL COUNT			
NEUTROPHILS (Method:Optical/Impedance)	60.81	%	40-75
LYMPHOCYTES (Method:Optical/Impedance)	27.65	%	20-45
EOSINOPHILS (Method:Optical/Impedance)	4.64	%	0-6
MONOCYTES (Method:Optical/Impedance)	6.30	%	2-10
BASOPHILS (Method:Optical/Impedance)	0.60	%	0-2
RED BLOOD CORPUSCLES(RBC) (Method:Coulter Principle)	4.79	million/cum	4.0-5.2
MCV (Method:Derived from RBC Histogram)	82.0	fL	78-100
MCH (Method: Calculated)	27.6	pg	27-31
MCHC (Method: Calculated)	33.6	g/dL	31-37
RDW - CV (Method: Calculated)	14.7	%	11.5-14.5
PLATELET COUNT (Method:Electrical Impedance)	2.33	Lakhs/Cum	1.5-4.5

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Test Name	Result	Unit	Bio. Ref. Interval
MEAN PLATELET VOLUME(MPV) (Method:Derived from PLT Histogram)	8.73	fl	9-13
PLATELET DISTRIBUTION WIDTH (PDW) (Method: Calculated)	18.7	fl	9-19
ERYTHROCYTE SEDIMENTATION RATE(ESR) (Method:Modified Westergren Method)	15	mm/hour	1-20

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

ABO Group (Method:Agglutination Gel Method)	B		
Rh Factor (Method:Agglutination Gel 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	1.005		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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Test Name	Result	Unit	Bio. Ref. Interval
EPITHELIAL CELLS	2-4	/HPF	0-5
PUS CELLS	2-4	/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
NAGARATNA

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