



Mediline Laboratory

201, Aryapratham Apartments, Above Federal Bank, Warje Malwadi, Pune - 411058.
Mobile : 9822871359. Timing :8.00 am to 1.30 pm. & 5.00 pm to 8.30 pm. *Sunday Closed.*

Reg No : 202107576 / OPD

Name : Mrs. AARTI NITIN RUPANI

Referred Dr :

Sex / Age : Female / 40Y

Reg Date : 10/06/2021 12:28 PM

Report Date : 10/06/2021 07:02 PM

HAEMATOLOGY

Test Name	Result	Unit	Reference Range
CBC			
Haemoglobin	9.0	gm/dl	12.0 - 16.0
R.B.C. Count	4.65	mill/cumm	3.80 - 5.10
PCV	33.1	%	35 - 47
MCV	71.2	fL	76.0 - 96.0
MCH	19.4	pg	28.0 - 33.0
MCHC	27.2	%	30.0 - 38.0
RDW	14.0	%	11.0 - 16.5
WBC Count			
Total WBC count	9300	/cumm	4000 - 11000
Differential count			
Neutrophil	58	%	45 - 70
Lymphocytes	35	%	20 - 45
Monocytes	04	%	00 - 08
Eosinophils	03	%	00 - 04
Basophils	00	%	00 - 01
Platelet Count	307000	/cumm	150000 - 450000
Peripheral Smear Examination			
RBC Morphology	Mild Microcytic, hypochromic 1+. Few pencil cells, tear drop cells and target cells seen.		
WBC Morphology	No Abnormal Cells Seen.		
Platelets on smear	Adequate		
Material Parasite	Not Detected.		
Instrument Used	Nihon Kohden Celltac alpha fully Automated Cell Counter.		

End of Report

Dr. Vinod Kengale
MBBS DCP
Consulting Pathologist

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BIOCHEMISTRY

Test Name	Result	Unit	Reference Range
Blood Sugar Fasting			
Blood Sugar Fasting	73	mg/dl	60 - 120
HbA1c			
HbA1c	4.30	%	Non Diabetic : < 6.0 Good Control : 6.1 - 7.0 Fair Control : 7.1 - 8.0 Unsatisfactory Control : > 8.0
Average Blood Sugar Method	76.71 HPLC	mg/dl	
Kidney Function Test			
Blood Urea Level	26	mg/dl	10 to 50
Blood Urea Nitrogen	12.0	mg/dl	4.6 to 23.6
Serum Creatinine	1.03	mg/dl	0.50 - 1.30
Serum Uric Acid	2.62	mg/dl	2.40 - 5.70

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BIOCHEMISTRY

Test Name	Result	Unit	Reference Range
Liver Function Tests			
Bilirubin - Total	1.45	mg / dl	0.30 - 1.10
Bilirubin - Direct	0.23	mg / dL	0.0 - 0.30
Bilirubin - Indirect	1.22	mg/dL	0.1 - 1.0
SGPT	15	IU/L	05 - 50
SGOT	26	IU/L	05 - 50
Alkaline Phosphatase	67	U/L	Adults : 25 - 140 Child : 104 - 390
Total Proteins	7.38	gm/dl	6.0 - 8.1
Serum Albumin	3.56	gm/dl	3.4 - 5.3
Serum Globulin	3.82	gm/dl	2.3 - 3.6
A/G ratio	0.93		

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BIOCHEMISTRY

Test Name	Result	Unit	Reference Range
Lipid Profile			
Serum Appearance	Clear		
S. Total Cholesterol	143	mg/dl	Upto 200
HDL Cholesterol	39	mg/dl	30 - 90
S. Triglycerides	98	mg/dl	Upto 150
LDL Cholesterol (Calculated)	84.4	mg/dl	Upto 135
VLDL Cholesterol	19.6	mg/dl	5 to 51 mg/dl
S.Total Cholesterol / HDL Cholesterol	3.7		Males : Ratio upto 5.00 Females : Ratio upto 4.50
LDL Cholesterol / HDL Cholesterol	2.16	Ratio	Males : Upto 3.60 Females : Upto 3.20

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SEROLOGY REPORT

Test Name	Result	Unit	Reference Range
hs-CRP			
hs-CRP Serum	0.135	mg/dl	0 - 3.0
Method	Nephelometry		

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SPECIAL TEST

Test Name	Result	Unit	Reference Range
T3,T4 & Ultra TSH			
Serum T3 Total	1.13	ng/ml	0.80 to 2.00
Serum T4 Total	8.87	mic g/dl	5.10 - 14.10
Ultra TSH	2.78	mIU/L	Adults : 0.27 to 4.20 Pregnancy : First trimester : 0.10 to 2.50 Second trimester : 0.20 to 3.00 Third trimester : 0.30 to 3.00 Children ; 1 - 5 Years : 0.70 to 6.00 6 - 18 Years : 0.50 to 4.30
Method	CMIA		
Note : Kindly Co-relate Clinically.			

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SPECIAL TEST

Test Name	Result	Unit	Reference Range
VITAMIN B12			
VITAMIN B12	584	pg/ml	190 - 900
Method	CMIA		

Interpretation :

- 1] Concentration of vitamin B12 is less than 180 pg/ml may cause megaloblastic anemia and/or peripheral neuropathies.
- 2] Vitamin B12 concentration is less than 150 pg/ml are considered evidence of vitamin B12 deficiency.
- 3] Vitamin B12 concentrations between 150 pg/ml and 400 pg/ml are considered borderline.
- 4] Follow-up testing of vitamin B12 deficiency is recommended by measuring methylmalonic acid (MMA)/homocysteine /antibodies to intrinsic factor, if the patient is symptomatic.
- 5] Patients taking vitamin B12 supplementation may have misleading results.
- 6] Many other interfering factors affect vitamin B12 level.
 - Elevated level is observed due to Estrogens or vitamin C / Vitamin A ingestion, hepatocellular injury, uremia
 - Decreased level is observed in low vitamin B12 diet (a strict vegetarian diet), pregnancy, smoking, hemodialysis.

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SPECIAL TEST

Test Name	Result	Unit	Reference Range
VITAMIN D3 (25 - OH Vitamin D)			
VITAMIN D 3	47.86	ng/mL	Sufficiency : > or 30 Insufficiency : 20 - 29 Deficiency : < 20 Severe Deficiency : < 10 Elevated : > 70 Toxicity : > 100

Interpretation :

1) Vitamin D is a steroid vitamin, a group of fat-soluble pro-hormones. Five forms of vitamin D have been discovered

2) The major storage form of Vitamin D is 25-OH Vitamin D with a half life of 2 to 3 weeks vs. 4 hrs for 1,25-(OH)₂-Vitamin D. 25-OH Vitamin D is the analyte of choice for determination of the Vitamin D status.

Role of vitamin D.

* It is crucial for the absorption and metabolism of calcium and phosphorous specially for the maintenance of healthy bones.

* It is an immune system regulator.

* It may have a key role in helping the brain to keep working well in later life.

* It has been shown to reduce the risk of developing rheumatoid arthritis in women.

* Elevated Vitamin D Levels: Serum levels of 25-hydroxy-vitamin D are typically used to diagnose vitamin D overdose.

* These levels may be as much as 15-fold greater in cases of vitamin D toxicity.

Note :

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