



GIRIJA PATHOLOGY LABORATORY

Giriraj Hospital Campus, Indapur Road, Near S. T. Stand, Baramati, Dist. Pune - 413102.
Phone : (Lab) : 02112 - 223121 (Hospital) : 222739, Email : girijalab@gmail.com

Reg No/PermNo	: 230301812 /OPD /1002390	Reg. Date	: 25/03/2023 09:50AM
Name	: Mrs. PADMA SHRI VARPE	Age / Sex	: 36 Years / Female
Referred By	: Medi-Wheel Full Body Health Checkup	Report Date	: 25/03/2023 1:00PM
Referred By	: DR.R.R BHOITE MD, (MED)	Print Date	: 25/03/2023 3:46 PM

HAEMATOLOGY

Test Advised BLOOD GROUP

Result

Sample Tested : EDTA Sample
Blood Group : "A" Rh POSITIVE
(Method: Slide haemagglutination; Tube haemagglutination, (Forward typing))
KIT USED : Tulip Diagnostic (P) LTD.

Note :

This is for your information only. No transfusion / therapeutic intervention is done without confirmation of blood group by concerned authorities of Blood Bank / Blood storage.

Test Advised ESR

Result

Unit

Reference Range

Sample Tested : EDTA Sample
ESR (Erythrocyte sedimentation Rate) : 3 mm at end of 1hr 0 - 20
(Method: Westergren Method)

TEST DONE ON : Aspen ESR20Plus

Interpretation :


1) A normal ESR does not exclude active disease.
2) The ESR increases with age, and is raised in pregnancy and in anaemia; mild to moderate elevations should be interpreted with caution in these situations. It is increased in acute and chronic inflammatory disease and in neoplastic disease. The ESR may be very high (>100 mm in 1 hour) in multiple myeloma, tuberculosis and temporal arteritis. A low ESR (1 mm in 1 hour) may be seen in polycythaemia rubra vera and sickle cell disease.

Note :

The erythrocyte sedimentation rate is the rate at which red blood cells sediment in a period of one hour.

It is a common hematology test, and is a non-specific measure of inflammation.

.....END OF REPORT.....


Dr. Mrs. Snehalata A. Pawar
M.B.B.S;DCP (Regd.No. 2000/07/2454)



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Report Date : 25/03/2023 12:01PM
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HAEMATOLOGY

Test Advised
HAEMOGRAM

Sample Tested : EDTA (Whole Blood)


Method	Result	Unit	Reference Range
Method	:	WBC Impedance, Flow Cytometry and Hydrodynamic Focusing	
Haemoglobin (Method : Spectrophotometry)	:	13.2 gm/dl	11.5 - 13.5
R.B.C. Count	:	4.41 mill/cmm	4.5 - 6.5
HCT	:	39.20 %	36 - 52
MCV	:	88.89 fL	76 - 95
MCH	:	29.93 pg	27 - 34
MCHC	:	33.67 %	31.5 - 34.5
RDW	:	12.10 %	11.5 - 16.5
Platelet Count	:	222000 /cmm	150000 - 500000
WBC Count	:	7690 cells/cmm	4000 - 11000

DIFFERENTIAL COUNT

Neutrophils	:	55 %	40 - 75
Lymphocytes	:	45 %	20 - 45
Eosinophils	:	00 %	0 - 6
Monocytes	:	00 %	0 - 10
Basophils	:	00 %	0 - 1

TEST DONE ON : HORIBA YUMIZEN H550

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CLINICAL PATHOLOGY

<u>Test Advised</u>	<u>Result</u>	<u>Unit</u>	<u>Reference Range</u>
URINE EXAMINATION			
PHYSICAL EXAMINATION			
Quantity	: 10	ml	
Colour	: Pale Yellow		
Appearance	: Slightly Turbid		
pH	: 6.5		
CHEMICAL EXAMINATION			
Specific gravity	: 1.005		1.005 - 1.030
Reaction	: Acidic		
Proteins	: Absent		
Glucose	: Absent		
Ketones	: Absent		
Occult blood	: Absent		
Bile salts	: Absent		
Bile pigments	: Absent		
Urobilinogen	: Normal		
MICROSCOPIC EXAMINATION			
Pus cells	: Absent	/hpf	
RBC	: Absent	/hpf	
Epithelial cells	: Absent	/hpf	
Crystals	: Absent		
Amorphous material	: Absent		
Yeast cells	: Absent		
Other Findings	: Absent		

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CLINICAL PATHOLOGY

<u>Test Advised</u>	<u>Result</u>	<u>Unit</u>	<u>Reference Range</u>
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STOOL EXAMINATION

PHYSICAL EXAMINATION

Colour	: Yellowish
Consistency	: Semi-solid
Mucus	: Absent
Blood	: Absent
Adult Worms	: Absent


CHEMICAL EXAMINATION

Occult Blood	: Absent
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MICROSCOPIC EXAMINATION

Epithelial Cells	: Absent	/hpf
Pus Cells	: Absent	/hpf
Red Blood Cells	: Absent	/hpf
Ova/Eggs	: Absent	
Fat Globules	: Absent	
Vegetative Forms	: Absent	
Cysts	: Absent	
Macrophages	: Absent	
Starch	: Absent	
Vegetable Matter	: Absent	
Miscellaneous :	: ---	

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Referred By	: Medi-Wheel Full Body Health Checkup	Report Date	: 25/03/2023 11:59AM
Referred By	: DR.R.R BHOITE MD, (MED)	Print Date	: 25/03/2023 3:46 PM

BIOCHEMISTRY


<u>Test Advised</u>	<u>Result</u>	<u>Unit</u>	<u>Reference Range</u>
<u>BLOOD SUGAR FASTING</u>			
Sample Tested :	: Fluoride Plasma		
Blood Sugar Fasting (Method :GOD - POD)	: 82	mg/dl	70 - 110
TEST DONE ON : EM - 200			

<u>Test Advised</u>	<u>Result</u>	<u>Unit</u>	<u>Reference Range</u>
<u>Bio-Chemistry Test</u>			
Sample Tested :	: Serum		
Blood Urea (Method : Urease-GLDH)	: 21.4	mg/dl	13 - 40
Blood Urea Nitrogen	: 10.0	mg/dl	8.4 - 25.7
Serum Creatinine (Method : ENZYMATIC COLORIMETRIC)	: 0.6	mg/dl	0.6 - 1.1
BUN/Creatinine Ratio	: 16.7		10.1 - 20.1
KIT USED :	: ERBA		
TEST DONE ON : EM - 200			

NOTE : The ratio of BUN to creatinine is usually between 10:1 and 20:1. An increased ratio may be due to a condition that causes a decrease in the flow of blood to the kidneys, such as congestive heart failure or dehydration.

<u>Test Advised</u>	<u>Result</u>	<u>Unit</u>	<u>Reference Range</u>
<u>BLOOD SUGAR P.P.</u>			
Sample Tested :	: Fluoride Plasma		
Blood Glucose P. P. (Method :GOD POD)	: 107	mg/dl	90 - 140
TEST DONE ON : EM - 200			

<u>Test Advised</u>	<u>Result</u>	<u>Unit</u>	<u>Reference Range</u>
<u>Glycocyated Hb(HbA1C)</u>			
Sample Tested :	: EDTA Sample		


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BIOCHEMISTRY

Glycosylated Hb (HbA1c) <i>(Method :Sandwich immunodetection)</i>	: 5.4	%	Within Normal Limit 4.0 - 6.5 Good Control 6.5 - 7.5 Moderate Control 7.5 - 9.0 Poor Control 9.0 and Above
Mean Blood Glucose	: 93.82	mg%	
Interpretation	: Within Normal Limit.		
KIT USED :	: FINECARE		

TEST DONE ON : FINECARE .

Note :


Glycosylated Haemoglobin is an accurate and true index of the " Mean Blood Glucose Level " in the body for the previous 2-3 months.
HbA1c is an indicator of glycemic control. HbA1c represent average glycemia over the past six to eight weeks.
Recent glycemia has the largest influence on the HbA1c value.
Clinical studies suggest that a patient in stable control will have 50% of their HbA1c formed in the month before sampling, 25% in the month before that, and the remaining 25% in months 2-4.
Glycosylated Hb is useful in monitoring diabetic patients compliance with therapeutic regimen & long term blood glucose level control. Glycosylated Hb predicts risk of progression of diabetic complications.
When mean annual Glycosylated Hb is 1.1 x ULN (upper limit of normal), renal & retinal complications are rare, but complications occur in >70% of cases when Glycosylated Hb is >1.7.

<u>Test Advised</u>	<u>Result</u>	<u>Unit</u>	<u>Reference Range</u>
GGT(GAMA GLUTAMYL TRANSFERASE)			
Sample Tested :	: Serum		
Gama Glutamyl Transferase <i>(Method :IFCC)</i>	: 26.0	U/L	9 - 52

TEST DONE ON : EM - 200

<u>Test Advised</u>	<u>Result</u>	<u>Unit</u>	<u>Reference Range</u>
URIC ACID			
Sample Tested :	: Serum		
Uric Acid <i>(Method :Enzymatic/ Uricase Colorimetric)</i>	: 4.1	mg/dl	2.5 - 6.5
KIT USED :	: ERBA		

TEST DONE ON : EM - 200


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BIOCHEMISTRY

Note:

- 1) Increased levels are found in Gout, arthritis, impaired renal function, and starvation.
- 2) Decreased levels are found in Wilson~s disease, Fanconi~s syndrome and yellow atrophy of the liver.

.....END OF REPORT.....


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<u>Test Advised</u>	<u>Result</u>	<u>Unit</u>	<u>Reference Range</u>
<u>LIPID PROFILE</u>			
Sample Tested :	: Serum		
Total Cholesterol (Method : CHOD-PAP)	: 164.0	mg/dl	130 - 250 Desirable
Triglycerides (Method :GPO-PAP/ Enzymatic Colorimetric/ End Point)	: 105.0	mg/dl	< 150 Desirable 150-199 Borderline 200-499 High > 500 Very high
HDL Cholesterol (Method :Direct Method/ Enzymatic colorimetric)	: 54.0	mg/dL	40-60 Desirable > 60 Best
LDL Cholesterol	: 89.0	mg/dl	60 - 130
VLDL Cholesterol	: 21.0	mg/dl	5 - 51
Cholesterol / HDL Ratio	: 3.0		2 - 5
LDL / HDL Ratio	: 1.6		0 - 3.5
KIT USED :	: ERBA		

TEST DONE ON : EM - 200

Note:


CHOLESTEROL :

- A) Increased levels are found in hypercholesterolaemia, hyperlipidaemia, hypothyroidism, uncontrolled diabetes, nephritic syndrome and cirrhosis.
B) Decreased levels are found in malabsorption, malnutrition, hyperthyroidism, anaemia and liver diseases.

TGL :

- A) Increased levels are found in hyperlipidemias, diabetes, nephrotic syndrome and hypothyroidism.
B) Decreased levels are found in malnutrition and hyperthyroidism.

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BIOCHEMISTRY

<u>Test Advised</u>	<u>Result</u>	<u>Unit</u>	<u>Reference Range</u>
<u>LIVER FUNCTION TEST</u>			
Sample Tested :	: Serum		
Total Bilirubin (Method :DIAZONIUM SALT(Colorimetric)/JENDRASSIK)	: 0.4	mg/dl	0.0 - 2.0
Direct Bilirubin (Method :DIAZONIUM SALT(Colorimetric)/JENDRASSIK)	: 0.1	mg/dl	0 - 0.4
Indirect Bilirubin	: 0.3	mg/dl	0.1 - 1.6
SGPT (ALT) (Method :UV - Kinetic with PLP (P-5-P))	: 20.0	U/L	0 - 34
SGOT (AST) (Method :UV-Kinetic with PLP (P-5-P))	: 25.0	U/L	0 - 31
Alkaline Phosphatase (Method : PNP AMP KINETIC)	: 42.0	U/l	42 - 98
Total Protein (Method : BIURET - Colorimetric)	: 6.9	gm/dl	6.4 - 8.3
Albumin (Method : BCG - colorimetric)	: 3.7	gm/dl	3.5 - 5.2
Globulin	: 3.2	gm/dl	2.3 - 3.5
A/G Ratio	: 1.2		1.2 - 2.5

TEST DONE ON : EM - 200

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ENDOCRINOLOGY


<u>Test Advised</u>	<u>Result</u>	<u>Unit</u>	<u>Reference Range</u>
<u>FREE THYROID FUNCTION TEST</u>			
Sample Tested :	: Fasting Sample		
Free T3(Free Triiodothyronine) (Method :ELFA)	: 5.00	pmol/L	4.0 - 8.3
Free T4 (Free Thyroxine) (Method :ELFA)	: 15.80	pmol/L	10.6 - 19.4
hTSH (Ultra sensitive) (Method :ELFA)	: 1.20	μUI/ml	0.25 - 6
Method :	: ELFA		

TEST DONE ON : VIDAS,fully automated ELFA analyzer from Bio-Merieux-France

Note :

- 1) Decreased T3 (normal T4 & TSH) have minimal clinical significance and are not recommended for diagnosis of hypothyroidism.
- 2) Total T3 may be decreased by 25% in healthy older individuals.
- 3) A High TSH level and low T3/T4 level indicate hypothyroidism.
- 4) Raised T3/T4 levels and low TSH levels indicate hyperthyroidism.
- 5) T4 levels are high at birth due to increased TBG concentration.
- 6) Quantitative T3 can give an indication of the severity and recovery from hyperthyroidism.

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