Collection On : 09/03/2024 9:52 AM

**Report On** : 09/03/2024 3:38 PM

**Printed On** : 15/03/2024 11:47 AM

Type : OP



<u>Investigation</u>	Observed Value	<u>Unit</u>	Biological Reference Interval
<b>IMMUNOHAEMATOLOGY</b>			
<b>BLOOD GROUPING AND Rh TYPING</b> (Blood /Agglutination)	'A' 'Negative'		
<u>HAEMATOLOGY</u>			
Complete Blood Count With - ESR			
Haemoglobin (Blood/Spectrophotometry)	14.1	g/dL	13.5 - 18.0
Packed Cell Volume(PCV)/Haematocrit (Blood/Derived from Impedance)	47.2	%	42 - 52
RBC Count (Blood/Impedance Variation)	4.97	mill/cu.mm	4.7 - 6.0
Mean Corpuscular Volume(MCV) (Blood/ Derived from Impedance)	95	fL	78 - 100
Mean Corpuscular Haemoglobin(MCH) (Blood/Derived from Impedance)	28.4	pg	27 - 32
Mean Corpuscular Haemoglobin concentration(MCHC) (Blood/Derived from Impedance)	29.9	g/dL	32 - 36
RDW-CV(Derived from Impedance)	13.3	%	11.5 - 16.0
RDW-SD(Derived from Impedance)	44.22	fL	39 - 46
Total Leukocyte Count (TC) (Blood/ Impedance Variation)	8200	cells/cu.mm	4000 - 11000
<b>Neutrophils</b> (Blood/Impedance Variation & Flow Cytometry)	52.1	%	40 - 75
<b>Lymphocytes</b> (Blood/Impedance Variation & Flow Cytometry)	39.2	%	20 - 45
<b>Eosinophils</b> (Blood/Impedance Variation & Flow Cytometry)	3.0	%	01 - 06
<b>Monocytes</b> (Blood/Impedance Variation & Flow Cytometry)	5.5	%	01 - 10
<b>Basophils</b> (Blood/Impedance Variation & Flow Cytometry)	0.2	%	00 - 02
<b>INTERPRETATION:</b> Tests done on Automated microscopically.	Five Part cell counter. A	All abnormal resu	ults are reviewed and confirmed
Absolute Neutrophil count (Blood/ Impedance Variation & Flow Cytometry)	4.27	10^3 / μΙ	1.5 - 6.6
Absolute Lymphocyte Count (Blood/ Impedance Variation & Flow Cytometry)	3.21	10^3 / μΙ	1.5 - 3.5
Absolute Eosinophil Count (AEC) (Blood/ Impedance Variation & Flow Cytometry)	0.25	10^3 / μΙ	0.04 - 0.44
Absolute Monocyte Count (Blood/ Impedance Variation & Flow Cytometry)	0.45	10^3 / μΙ	< 1.0



PID No.

SID No.

Ref. Dr

Age / Sex

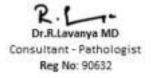
: MED122506532

: 35 Year(s) / Male

: 624006334

: MediWheel





Age / Sex : 35 Year(s) / Male Printed On : 15/03/2024 11:47 AM

Ref. Dr : MediWheel Type : OP



<u>Investigation</u>	Observed Value	<u>Unit</u>	<b>Biological Reference Interval</b>
<b>Absolute Basophil count</b> (Blood/Impedance Variation & Flow Cytometry)	0.02	10^3 / μΙ	< 0.2
Platelet Count (Blood/Impedance Variation)	247	10^3 / μΙ	150 - 450
MPV (Blood/Derived from Impedance)	7.5	fL	7.9 - 13.7
PCT(Automated Blood cell Counter)	0.19	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate) (Blood/Automated ESR analyser)	10	mm/hr	< 15
<b>BIOCHEMISTRY</b>			
BUN / Creatinine Ratio	9.4		
<b>Glucose Fasting (FBS)</b> (Plasma - F/GOD-PAP)	85.2	mg/dL	Normal: < 100 Pre Diabetic: 100 - 125 Diabetic: >= 126

**INTERPRETATION:** Factors such as type, quantity and time of food intake, Physical activity, Psychological stress, and drugs can influence blood glucose level.

Glucose, Fasting (Urine) (Urine - F)	Negative		Negative
Glucose Postprandial (PPBS) (Plasma - PP/GOD-PAP)	102.5	mg/dL	70 - 140

#### INTERPRETATION:

PID No.

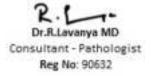
SID No.

Factors such as type, quantity and time of food intake, Physical activity, Psychological stress, and drugs can influence blood glucose level. Fasting blood glucose level may be higher than Postprandial glucose, because of physiological surge in Postprandial Insulin secretion, Insulin resistance, Exercise or Stress, Dawn Phenomenon, Somogyi Phenomenon, Anti- diabetic medication during treatment for Diabetes.

Urine Glucose(PP-2 hours) (Urine - PP)	Negative		Negative
<b>Blood Urea Nitrogen (BUN)</b> (Serum/Urease UV / derived)	8.6	mg/dL	7.0 - 21
Creatinine (Serum/Modified Jaffe)	0.91	mg/dL	0.9 - 1.3
Uric Acid (Serum/Enzymatic)	6.2	mg/dL	3.5 - 7.2
<u>Liver Function Test</u>			
Bilirubin(Total) (Serum)	0.50	mg/dL	0.1 - 1.2
<b>Bilirubin(Direct)</b> (Serum/Diazotized Sulfanilic Acid)	0.16	mg/dL	0.0 - 0.3
Bilirubin(Indirect) (Serum/Derived)	0.34	mg/dL	0.1 - 1.0
SGOT/AST (Aspartate Aminotransferase) (Serum/Modified IFCC)	25.6	U/L	5 - 40
SGPT/ALT (Alanine Aminotransferase) (Serum)	20.5	U/L	5 - 41
GGT(Gamma Glutamyl Transpeptidase) (Serum/IFCC / Kinetic)	17.9	U/L	< 55







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<u>Investigation</u>	Observed Value	<u>Unit</u>	Biological Reference Interval
Alkaline Phosphatase (SAP) (Serum/ Modified IFCC)	64.3	U/L	53 - 128
Total Protein (Serum/Biuret)	7.52	gm/dL	6.0 - 8.0
Albumin (Serum/Bromocresol green)	4.23	gm/dL	3.5 - 5.2
Globulin (Serum/Derived)	3.29	gm/dL	2.3 - 3.6
A: GRATIO (Serum/Derived)	1.29		1.1 - 2.2
<u>Lipid Profile</u>			
Cholesterol Total (Serum/CHOD-PAP with ATCS)	189.6	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/GPO-PAP with ATCS)	135.0	mg/dL	Optimal: < 150 Borderline: 150 - 199 High: 200 - 499 Very High: >= 500

**INTERPRETATION:** The reference ranges are based on fasting condition. Triglyceride levels change drastically in response to food, increasing as much as 5 to 10 times the fasting levels, just a few hours after eating. Fasting triglyceride levels show considerable diurnal variation too. There is evidence recommending triglycerides estimation in non-fasting condition for evaluating the risk of heart disease and screening for metabolic syndrome, as non-fasting sample is more representative of the `usual\_circulating level of triglycerides during most part of the day.

HDL Cholesterol (Serum/Immunoinhibition)	44.6	mg/dL	Optimal(Negative Risk Factor): >= 60 Borderline: 40 - 59 High Risk: < 40
LDL Cholesterol (Serum/Calculated)	118	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >= 190
VLDL Cholesterol (Serum/Calculated)	27	mg/dL	< 30
Non HDL Cholesterol (Serum/Calculated)	145.0	mg/dL	Optimal: < 130 Above Optimal: 130 - 159 Borderline High: 160 - 189 High: 190 - 219 Very High: >= 220

**INTERPRETATION:** 1.Non-HDL Cholesterol is now proven to be a better cardiovascular risk marker than LDL Cholesterol. 2.It is the sum of all potentially atherogenic proteins including LDL, IDL, VLDL and chylomicrons and it is the "new bad cholesterol" and is a co-primary target for cholesterol lowering therapy.



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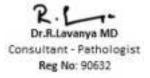
Age / Sex

Ref. Dr

: 624006334

: 35 Year(s) / Male





: 624006334 Report On : 09/03/2024 3:38 PM

Age / Sex : 35 Year(s) / Male Printed On : 15/03/2024 11:47 AM

Ref. Dr : MediWheel Type : OP



Investigation	Observed Value	<u>Unit</u>	<b>Biological Reference Interval</b>
Total Cholesterol/HDL Cholesterol Ratio (Serum/Calculated)	4.3		Optimal: < 3.3 Low Risk: 3.4 - 4.4 Average Risk: 4.5 - 7.1 Moderate Risk: 7.2 - 11.0 High Risk: > 11.0
Triglyceride/HDL Cholesterol Ratio (TG/HDL) (Serum/Calculated)	3		Optimal: < 2.5 Mild to moderate risk: 2.5 - 5.0 High Risk: > 5.0
LDL/HDL Cholesterol Ratio (Serum/ Calculated)	2.6		Optimal: 0.5 - 3.0 Borderline: 3.1 - 6.0 High Risk: > 6.0
Glycosylated Haemoglobin (HbA1c)			
<b>HbA1C</b> (Whole Blood/Ion exchange HPLC by D10)	5.9	%	Normal: 4.5 - 5.6 Prediabetes: 5.7 - 6.4 Diabetic: >= 6.5

INTERPRETATION: If Diabetes - Good control: 6.1 - 7.0 %, Fair control: 7.1 - 8.0 %, Poor control >= 8.1 %

Estimated Average Glucose (Whole Blood) 122.63 mg/dL

#### **INTERPRETATION: Comments**

HbA1c provides an index of Average Blood Glucose levels over the past 8 - 12 weeks and is a much better indicator of long term glycemic control as compared to blood and urinary glucose determinations.

Conditions that prolong RBC life span like Iron deficiency anemia, Vitamin B12 & Folate deficiency,

hypertriglyceridemia, hyperbilirubinemia, Drugs, Alcohol, Lead Poisoning, Asplenia can give falsely elevated HbA1C values.

Conditions that shorten RBC survival like acute or chronic blood loss, hemolytic anemia, Hemoglobinopathies,

Splenomegaly, Vitamin E ingestion, Pregnancy, End stage Renal disease can cause falsely low HbA1c.

## **IMMUNOASSAY**

#### THYROID PROFILE / TFT

**T3 (Triiodothyronine) - Total (**Serum/ 1.12 ng/mL 0.7 - 2.04

Chemiluminescent Immunometric Assay

(CLIA))

PID No.

SID No.

### INTERPRETATION:

#### Comment:

Total T3 variation can be seen in other condition like pregnancy, drugs, nephrosis etc. In such cases, Free T3 is recommended as it is Metabolically active.

**T4 (Tyroxine) - Total** (Serum/ 8.51 μg/dL 4.2 - 12.0

Chemiluminescent Immunometric Assay

(CLIA))

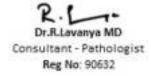
#### INTERPRETATION:

#### Comment:

Total T4 variation can be seen in other condition like pregnancy, drugs, nephrosis etc. In such cases, Free T4 is recommended as it is Metabolically active.







: 35 Year(s) / Male Printed On : 15/03/2024 11:47 AM

Ref. Dr : MediWheel Type : OP

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<u>Investigation</u> <u>Observed Value</u> <u>Unit</u> <u>Biological Reference Interval</u>

TSH (Thyroid Stimulating Hormone) (Serum 2.69 μIU/mL 0.35 - 5.50

/Chemiluminescent Immunometric Assay

(CLIA))

PID No.

SID No.

Age / Sex

### INTERPRETATION:

Reference range for cord blood - upto 20

1 st trimester: 0.1-2.5 2 nd trimester 0.2-3.0 3 rd trimester : 0.3-3.0

(Indian Thyroid Society Guidelines)

Comment:

RBCs (Urine)

1.TSH reference range during pregnancy depends on Iodine intake, TPO status, Serum HCG concentration, race, Ethnicity and

BMI.

2.TSH Levels are subject to circadian variation, reaching peak levels between 2-4am and at a minimum between 6-10PM. The variation can be of the order of 50%, hence time of the day has influence on the measured serum TSH concentrations. 3. Values&amplt;0.03 µIU/mL need to be clinically correlated due to presence of rare TSH variant in some individuals.

# **CLINICAL PATHOLOGY**

## Urine Analysis - Routine

Colour (Urine)	Pale yellow		Yellow to Amber
Appearance (Urine)	Clear		Clear
Protein (Urine)	Negative		Negative
Glucose (Urine)	Negative		Negative
Pus Cells (Urine)	2-3	/hpf	NIL
Epithelial Cells (Urine)	1-2	/hpf	NIL

Nil

-- End of Report --

/hpf

NIL









Name	Mr.MARIJEGAN P	ID	MED122506532
Age & Gender	35/MALE	Visit Date	09/03/2024
Ref Doctor Name	MediWheel		

Thanks for your reference SONOGRAM REPORT WHOLE ABDOMEN

Poor penetration of USG due to thick abdominal wall

Liver: The liver is normal in size and shows uniform echotexture with no

focal abnormality. There is no intra or extra hepatic biliary ductal

dilatation.

Gallbladder The gall bladder is partially distended with no demonstrable calculus. Wall thickness appears normal.

Pancreas The pancreas shows a normal configuration and echotexture.

The pancreatic duct is normal.

Spleen The spleen is normal.

Kidneys The right kidney measures 9.9 x 4.3 cm. Normal architecture.

The collecting system is not dilated.

The left kidney measures 9.4 x 4.5 cm. Normal architecture.

The collecting system is not dilated.

Urinary

bladder. The urinary bladder is partially filled. No demonstrable internal echoes noted.

# Prostate The prostate measures 3.6 x 2.9 x 2.9 cm and is normal sized.

REPORT DISCLAIMER

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 $<sup>2.</sup> The \ results \ reported \ here \ in \ are \ subject \ to \ interpretation \ by \ qualified \ medical \ professionals \ only. \\$ 

<sup>3.</sup>Customer identities are accepted provided by the customer or their representative.

<sup>4.</sup>information about the customer's condition at the time of sample collection such as fasting, food consumption, medication, etc are accepted as provided by the customer or representative and shall not be investigated for its truthfulness.

<sup>5.1</sup>f any specimen/sample is received from any others laboratory/hospital, its is presumed that the sample belongs to the patient identified or named.

<sup>6.</sup>Test results should be interpreted in context of clinical and other findings if any. In case of any clarification /doubt , the refrering doctor/patient can contact the respective section head of the laboratory.

<sup>7.</sup>Results of the test are influenced by the various factors such as sensitivity, specificity of the procedures of the tests, quality of the samples and drug interactions etc.,

<sup>8.</sup>If the test results are found not to be correlating clinically can contact the lab in charge for clarification or retesting where practicable within 24 hours from the time of issue of results.
9.Liability is limited to the extend of amount billed.

 $<sup>10.</sup> Reports \ are \ subject \ to \ interpretation \ in \ their \ entirety. partial \ or \ selective \ interpretation \ may \ lead \ to \ false \ opinion.$ 

<sup>11.</sup>Disputes, if any , with regard to the report findings are subject to the exclusive jurisdiction of the competent courts chennai only.



Name	Mr.MARIJEGAN P	ID	MED122506532
Age & Gender	35/MALE	Visit Date	09/03/2024
Ref Doctor Name	MediWheel		

Corresponds to a weight of about 16.14 gms.

The echotexture is homogeneous. The seminal vesicles are normal.

RIF. Iliac fossae are normal.

No mass or fluid collection is seen in the right iliac fossa.

The appendix is not visualized.

There is no free or loculated peritoneal fluid. No para aortic lymphadenopathy is seen.

# **IMPRESSION**

No significant abnormality.

DR.T.ANNIE STALIN MBBS.,F.USG., SONOLOGIST.

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Name	Mr. MARIJEGAN P	ID	MED122506532
Age & Gender	35Y/M	Visit Date	Mar 9 2024 9:34AM
Ref Doctor	MediWheel		

Thanks for your reference

# **DIGITAL X- RAY CHEST PA VIEW**

Mild rotate to right side.

Trachea appears normal.

Cardiothoracic ratio is within normal limits.

Costo and cardiophrenic angles appear normal.

Bilateral lung fields appear normal.

Visualised bony structures appear normal.

Extra thoracic soft tissues shadow grossly appears normal.

**IMPRESSION:** 

i. NOSIGNIFICANABNORMALITIDEMONSTRATED.

DR.R.SUDHAGAR. MBBS., DMRD CONSULTANT RADIOLOGIST

& sidge Some