Name	: Mr. YATHISH L
PID No.	: MED112006180
SID No.	: 712343131
Age / Sex	: 37 Year(s) / Male
Туре	: OP
Ref. Dr	: MediWheel

: 23/12/2023 8:47 AM
: 23/12/2023 9:51 AM
: 23/12/2023 5:26 PM
: 28/02/2024 3:44 PM

Observed

<u>Value</u>

'A' 'Positive'



Investigation

IMMUNOHAEMATOLOGY

BLOOD GROUPING AND Rh TYPING (EDTA Blood/Agglutination) Remark: Test to be confirmed by gel method.

Mohan Kumar Sr.LabTechnician VERIFIED BY



<u>Unit</u>



Biological Reference Interval

APPROVED BY

Name	: Mr. YATHISH L				
PID No.	: MED112006180	Register On	: 23/12	/2023 8:47 AM	~
SID No.	: 712343131	Collection On	: 23/12	2/2023 9:51 AM	
Age / Sex	: 37 Year(s) / Male	Report On	: 23/12	2/2023 5:26 PM	medall
Туре	: OP	Printed On		2/2024 3:44 PM	DIAGNOSTICS
Ref. Dr	: MediWheel		•		
Investiga	ation		<u>served</u> /alue	<u>Unit</u>	Biological Reference Interval
HAEN	<u>IATOLOGY</u>				
<u>Complete</u>	e Blood Count With - ESR				
Haemogl (EDTA Blo	lobin pod/Spectrophotometry)		16.2	g/dL	13.5 - 18.0
INTERPF					in values may be due to nutritional deficiency, s, hypoxia etc.
	cked Cell Volume) / Haematoo	rit	46.5	%	42 - 52
RBC Cou (EDTA Blo	unt pod/Automated Blood cell Counter)		5.50	mill/cu.mm	4.7 - 6.0
	lean Corpuscular Volume)		85.0	fL	78 - 100
	lean Corpuscular Haemoglobir)	29.5	pg	27 - 32
concentra	Mean Corpuscular Haemoglob ation) pod/Derived)	in	34.9	g/dL	32 - 36
RDW-CV (Derived)			13.1	%	11.5 - 16.0
RDW-SI (Derived))		38.97	fL	39 - 46
	BC Count (TC) ood/Derived from Impedance)		8640	cells/cu.mm	4000 - 11000
Neutroph			56	%	40 - 75
Lymphoc (Blood/Imp	cytes		37	%	20 - 45

(Blood/Impedance Variation & Flow Cytometry)







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Туре	: OP	Printed On : 28/02/2024 3:44 PM	DIAGNOSTICS
Ref. Dr	: MediWheel		

Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
Eosinophils (Blood/Impedance Variation & Flow Cytometry)	02	%	01 - 06
Monocytes (Blood/Impedance Variation & Flow Cytometry)	05	%	01 - 10
Basophils (Blood/Impedance Variation & Flow Cytometry)	00	%	00 - 02
Absolute Neutrophil count (EDTA Blood/Impedance Variation & Flow Cytometry)	4.84	10^3 / µl	1.5 - 6.6
Absolute Lymphocyte Count (EDTA Blood/Impedance Variation & Flow Cytometry)	3.20	10^3 / µl	1.5 - 3.5
Absolute Eosinophil Count (AEC) (EDTA Blood/Impedance Variation & Flow Cytometry)	0.17	10^3 / µl	0.04 - 0.44
Absolute Monocyte Count (EDTA Blood/Impedance Variation & Flow Cytometry)	0.43	10^3 / µl	< 1.0
Absolute Basophil count (EDTA Blood/Impedance Variation & Flow Cytometry)	0.00	10^3 / µl	< 0.2
Platelet Count (EDTA Blood/Derived from Impedance)	210	10^3 / µl	150 - 450
MPV (Blood/Derived)	11.8	fL	7.9 - 13.7
PCT	0.25	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate) (Citrated Blood/Automated ESR analyser)	05	mm/hr	< 15







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Register On	: 23/12/2023 8:47 AM
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<u>Observed</u> Unit **Biological** Investigation Value Reference Interval **BIOCHEMISTRY** Liver Function Test Bilirubin(Total) 0.6 mg/dL 0.1 - 1.2 (Serum/Diazotized Sulfanilic Acid) 0.2 0.0 - 0.3 Bilirubin(Direct) mg/dL (Serum/Diazotized Sulfanilic Acid) Bilirubin(Indirect) 0.1 - 1.0 0.40 mg/dL (Serum/Derived) **Total Protein** 7.6 gm/dl 6.0 - 8.0 (Serum/Biuret) 3.5 - 5.2 Albumin 4.3 gm/dl (Serum/Bromocresol green) Globulin 3.30 gm/dL 2.3 - 3.6 (Serum/Derived) 1.30 1.1 - 2.2 A : G Ratio (Serum/Derived) INTERPRETATION: Remark : Electrophoresis is the preferred method SGOT/AST (Aspartate Aminotransferase) 22 U/L 5 - 40 (Serum/IFCC / Kinetic) SGPT/ALT (Alanine Aminotransferase) 20 U/L 5 - 41 (Serum/IFCC / Kinetic) U/L 53 - 128 Alkaline Phosphatase (SAP) 82 (Serum/PNPP / Kinetic) GGT(Gamma Glutamyl Transpeptidase) 46 U/L < 55



(Serum/IFCC / Kinetic)





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Age / Sex	: 37 Year(s) / Male	Report On : 23/12/2023 5:26 PM	medall
Туре	: OP	Printed On : 28/02/2024 3:44 PM	DIAGNOSTICS
Ref. Dr	: MediWheel		

Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
<u>Lipid Profile</u>			
Cholesterol Total (Serum/Oxidase / Peroxidase method)	230	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/Glycerol phosphate oxidase / peroxidase)	235	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)	33	mg/dL	Optimal(Negative Risk Factor): >= 60 Borderline: 40 - 59 High Risk: < 40
LDL Cholesterol (Serum/ <i>Calculated</i>)	150	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >=190
VLDL Cholesterol (Serum/Calculated)	47	mg/dL	< 30
Non HDL Cholesterol (Serum/Calculated)	197.0	mg/dL	Optimal: < 130 Above Optimal: 130 - 159 Borderline High: 160 - 189 High: 190 - 219 Very High: >= 220







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Туре	: OP	Printed On : 28/02/2024 3:44 PM	DIAGNOSTICS
Ref. Dr	: MediWheel		

Investigation	<u>Observed</u> <u>Value</u>	Unit Biological Reference Interval
INTERPRETATION: 1.Non-HDL Cholesterol is no 2.It is the sum of all potentially atherogenic proteins co-primary target for cholesterol lowering therapy.	1	ardiovascular risk marker than LDL Cholesterol. DL and chylomicrons and it is the "new bad cholesterol" and is a
Total Cholesterol/HDL Cholesterol Ratio (Serum/Calculated)	7	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/ <i>Calculated</i>)	7.1	Optimal: < 2.5 Mild to moderate risk: 2.5 - 5.0 High Risk: > 5.0
LDL/HDL Cholesterol Ratio (Serum/Calculated)	4.5	Optimal: 0.5 - 3.0 Borderline: 3.1 - 6.0







High Risk: > 6.0

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Туре	: OP	Printed On : 28/02/2024 3:44 PM	DIAGNOSTICS
Ref. Dr	: MediWheel		

Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> Reference Interval
<u>Glycosylated Haemoglobin (HbA1c)</u>			
HbA1C (Whole Blood/ <i>HPLC</i>)	5.5	%	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 con	trol >= 8.1 %

Estimated Average Glucose 111.15 mg/dl

(Whole Blood)

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.







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Ref. Dr	: MediWheel		

Investigation	<u>Observed</u> Value	<u>Unit</u>	<u>Biological</u> Reference Interval
BIOCHEMISTRY			
BUN / Creatinine Ratio	8.2		
Glucose Fasting (FBS) (Plasma - F/GOD- POD)	81	mg/dL	Normal: < 100 Pre Diabetic: 100 - 125 Diabetic: >= 126
INTERPRETATION: Factors such as type, quantity a blood glucose level.	nd time of food intake	e, Physical activity	, Psychological stress, and drugs can influence
Glucose Postprandial (PPBS) (Plasma - PP/GOD - POD)	72	mg/dL	70 - 140
INTERPRETATION: Factors such as type, quantity and time of food intake, Fasting blood glucose level may be higher than Postpra resistance, Exercise or Stress, Dawn Phenomenon, Son	indial glucose, becaus	e of physiological	surge in Postprandial Insulin secretion, Insulin
Blood Urea Nitrogen (BUN) (Serum/Urease UV / derived)	10.7	mg/dL	7.0 - 21
Creatinine (Serum/ <i>Jaffe Kinetic</i>)	1.3	mg/dL	0.9 - 1.3
INTERPRETATION: Elevated Creatinine values are ingestion of cooked meat, consuming Protein/ Creatine such as cefoxitin ,cefazolin, ACE inhibitors ,angiotensi etc.	supplements, Diabeti	c Ketoacidosis, pro	blonged fasting, renal dysfunction and drugs
Uric Acid (Serum/Uricase/Peroxidase)	6.1	mg/dL	3.5 - 7.2
		s:	CP. H







Investigation IMMUNOASSAY THYROID PROFILE / TFT		<u>Observed</u> <u>Unit</u> <u>Value</u>	<u>Biological</u> <u>Reference Interval</u>
Ref. Dr	: MediWheel		
Туре	: OP	Printed On : 28/02/2024 3:44 PM	DIAGNOSTICS
Age / Sex	: 37 Year(s) / Male	Report On : 23/12/2023 5:26 PM	medall
SID No.	: 712343131	Collection On : 23/12/2023 9:51 AM	
PID No.	: MED112006180	Register On : 23/12/2023 8:47 AM	\sim
Name	: Mr. YATHISH L		

T3 (Triiodothyronine) - Total (Serum/Chemiluminescent Immunometric Assay	1.10	ng/ml	0.7 - 2.04
(CLIA))			
INTERPRETATION: Comment : Total T3 variation can be seen in other condition like pregnar Metabolically active.	ncy, drugs, nephr	osis etc. In such cases, Free T3 is	recommended as it is
T4 (Thyroxine) - Total (Serum/Chemiluminescent Immunometric Assay (CLIA))	9.05	Microg/dl	4.2 - 12.0
INTERPRETATION: Comment : Total T4 variation can be seen in other condition like pregnar Metabolically active.	ncy, drugs, nephr	osis etc. In such cases, Free T4 is	recommended as it is
TSH (Thyroid Stimulating Hormone)	2.061	µIU/mL	0.35 - 5.50

TSH (Thyroid Stimulating Hormone) (Serum/Chemiluminescent Immunometric Assay

(CLIA))

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 :

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&lt,0.03 µIU/mL need to be clinically correlated due to presence of rare TSH variant in some individuals.







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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
CLINICAL PATHOLOGY			
PHYSICAL EXAMINATION			
Colour (Urine/Physical examination)	Pale Yellow		Yellow to Amber
Volume (Urine/Physical examination)	20		ml
Appearance (Urine)	Clear		
CHEMICAL EXAMINATION			
pH (Urine)	7.0		4.5 - 8.0
Specific Gravity (Urine/Dip Stick ⁻ Reagent strip method)	1.010		1.002 - 1.035
Protein (Urine/Dip Stick ⁻ Reagent strip method)	Negative		Negative
Glucose (Urine)	Nil		Nil
Ketone (Urine/Dip Stick ⁻ Reagent strip method)	Nil		Nil
Leukocytes (Urine)	Negative	leuco/uL	Negative
Nitrite (Urine/Dip Stick ⁻ Reagent strip method)	Nil		Nil
Bilirubin (Urine)	Negative	mg/dL	Negative
Blood (Urine)	Nil		Nil







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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
Urobilinogen (Urine/Dip Stick [–] Reagent strip method)	Normal		Within normal limits
<u>Urine Microscopy Pictures</u>			
RBCs (Urine/ <i>Microscopy</i>)	Nil	/hpf	NIL
Pus Cells (Urine/Microscopy)	2-3	/hpf	< 5
Epithelial Cells (Urine/ <i>Microscopy</i>)	1-2	/hpf	No ranges
Others (Urine)	Nil		Nil







-- End of Report --



Name	Mr.YATHISH L	ID	MED112006180
Age & Gender	37/MALE	Visit Date	23/12/2023
Ref Doctor Name	MediWheel		

ABDOMINO-PELVIC ULTRASONOGRAPHY

LIVER is normal in shape, size and has uniform echopattern. No evidence of focal lesion or intrahepatic biliary ductal dilatation. Hepatic and portal vein radicals are normal.

GALL BLADDER show normal shape and has clear contents. Gall bladder wall is of normal thickness. CBD is of normal calibre.

PANCREAS has normal shape, size and uniform echopattern. No evidence of ductal dilatation or calcification.

SPLEEN show normal shape, size and echopattern.

KIDNEYS move well with respiration and have normal shape, size and echopattern. Cortico- medullary differentiations are well madeout.

No evidence of calculus or hydronephrosis.

	Bipolar length (cms)	Parenchymal thickness (cms)
Right Kidney	10.5	1.9
Left Kidney	10.2	1.8

URINARY BLADDER show normal shape and wall thickness.

It has clear contents.

PROSTATE shows normal shape, size and echopattern. No evidence of ascites.

IMPRESSION:

> NO SIGNIFICANT ABNORMALITY DETECTED.

CONSULTANT RADIOLOGISTS

REPORT DISCLAIMER

1. This is only a radiologincal imperssion. Like other investigations, radiological investication also have limitation. Therefore radiologincal reports should be interpreted in correlation with clinical and pathological findings.

- The results reported here in are subject to interpretation by qualified medical professionals only.
 Customer identities are accepted provided by the customer or their representative.
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5.If any specimen/sample is received from any others laboratory/hospital,its is presumed that the sample belongs to the patient identified or named.

6.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. 7.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.,

8.If the test results are found not to be apprelating 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.

10.Reports are subject to interpretation in their entirety.partial or selective interpretation may lead to false opinion.

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



Name	Mr.YATHISH L	ID	MED112006180
Age & Gender	37/MALE	Visit Date	23/12/2023
Ref Doctor Name	MediWheel		

DR. ANITHA ADARSH MB/MS

DR. MOHAN B

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Name	Mr. YATHISH L	ID	MED112006180
Age & Gender	37Y/M	Visit Date	Dec 23 2023 8:46AM
Ref Doctor	MediWheel		

X - RAY CHEST PA VIEW

Bilateral lung fields appear normal.

Cardiac size is within normal limits.

Bilateral hilar regions appear normal.

Bilateral domes of diaphragm and costophrenic angles are normal.

Visualised bones and soft tissues appear normal.

<u>Impression</u>: No significant abnormality detected.

DR. MOHAN. B (DMRD, DNB, EDIR, FELLOW IN CARDIAC MRI) CONSULTANT RADIOLOGIST