PID No. : MED112005250

: 712343030 SID No.

Age / Sex : 28 Year(s) / Male

: MediWheel

Type : OP

Ref. Dr

Register On : 22/12/2023 10:13 AM

Collection On : 22/12/2023 11:05 AM

: 22/12/2023 5:18 PM

Printed On : 28/02/2024 4:03 PM



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

Report On

IMMUNOHAEMATOLOGY

BLOOD GROUPING AND Rh TYPING

 $({\rm EDTA~Blood} Agglutination)$

Remark: Test to be confirmed by gel method

'A' 'Positive'







PID No. : MED112005250

SID No. : 712343030

Age / Sex : 28 Year(s) / Male

Type : OP

Ref. Dr

Register On : 22/12/2023 10:13 AM

Collection On : 22/12/2023 11:05 AM

: 22/12/2023 5:18 PM

Printed On : 28/02/2024 4:03 PM



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

Report On

HAEMATOLOGY

Complete Blood Count With - ESR

: MediWheel

Haemoglobin	15.7	g/dL	13.5 - 18.0
-------------	------	------	-------------

(EDTA Blood/Spectrophotometry)

INTERPRETATION: Haemoglobin values vary in Men, Women & Children. Low haemoglobin values may be due to nutritional deficiency, blood loss, renal failure etc. Higher values are often due to dehydration, smoking, high altitudes, hypoxia etc.

blood 1055, renar fariate etc. Higher values are often due	to delly dration, since	oking, ingli dititudes, nyp	onia etc.
PCV (Packed Cell Volume) / Haematocrit (EDTA Blood/Derived)	46.2	%	42 - 52
RBC Count (EDTA Blood'Automated Blood cell Counter)	5.27	mill/cu.mm	4.7 - 6.0
MCV (Mean Corpuscular Volume) (EDTA Blood/Derived from Impedance)	88.0	fL	78 - 100
MCH (Mean Corpuscular Haemoglobin) (EDTA Blood/Derived)	29.8	pg	27 - 32
MCHC (Mean Corpuscular Haemoglobin concentration) (EDTA Blood/Derived)	34.0	g/dL	32 - 36
RDW-CV (Derived)	13.5	%	11.5 - 16.0
RDW-SD (Derived)	41.58	fL	39 - 46
Total WBC Count (TC) (EDTA Blood/Derived from Impedance)	4700	cells/cu.mm	4000 - 11000
Neutrophils (Blood/Impedance Variation & Flow Cytometry)	50	%	40 - 75
Lymphocytes (Blood/Impedance Variation & Flow Cytometry)	44	%	20 - 45







PID No. : MED112005250

SID No. : 712343030

Age / Sex : 28 Year(s) / Male

Type : OP

Ref. Dr : MediWheel

Register On : 22/12/2023 10:13 AM

Collection On : 22/12/2023 11:05 AM

: 22/12/2023 5:18 PM

Report On

Printed On : 28/02/2024 4:03 PM



Investigation	Observed <u>Value</u>	<u>Unit</u>	<u>Biological</u> 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)	2.35	10^3 / μΙ	1.5 - 6.6
Absolute Lymphocyte Count (EDTA Blood/Impedance Variation & Flow Cytometry)	2.07	10^3 / μΙ	1.5 - 3.5
Absolute Eosinophil Count (AEC) (EDTA Blood/Impedance Variation & Flow Cytometry)	0.09	10^3 / μl	0.04 - 0.44
Absolute Monocyte Count (EDTA Blood/Impedance Variation & Flow Cytometry)	0.23	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)	175	10^3 / μl	150 - 450
MPV (Blood/ <i>Derived</i>)	11.8	fL	7.9 - 13.7
PCT	0.21	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate)	08	mm/hr	< 15



(Citrated Blood/Automated ESR analyser)





PID No. : MED112005250

Age / Sex : 28 Year(s) / Male

: 712343030

SID No.

Type : OP

Ref. Dr : MediWheel **Register On** : 22/12/2023 10:13 AM

Collection On : 22/12/2023 11:05 AM

: 22/12/2023 5:18 PM

Report On

: 28/02/2024 4:03 PM **Printed On**



Investigation	Observed Value	<u>Unit</u>	<u>Biological</u> Reference Interval
BIOCHEMISTRY			
Liver Function Test			
Bilirubin(Total) (Serum/Diazotized Sulfanilic Acid)	0.7	mg/dL	0.1 - 1.2
Bilirubin(Direct) (Serum/Diazotized Sulfanilic Acid)	0.2	mg/dL	0.0 - 0.3
Bilirubin(Indirect) (Serum/Derived)	0.50	mg/dL	0.1 - 1.0
Total Protein (Serum/Biuret)	7.4	gm/dl	6.0 - 8.0
Albumin (Serum/Bromocresol green)	4.4	gm/dl	3.5 - 5.2
Globulin (Serum/ <i>Derived</i>)	3.00	gm/dL	2.3 - 3.6
A : G Ratio (Serum/Derived)	1.47		1.1 - 2.2
INTERPRETATION: Remark: Electrophoresis is the	preferred method		
SGOT/AST (Aspartate Aminotransferase) (Serum/IFCC / Kinetic)	23	U/L	5 - 40
SGPT/ALT (Alanine Aminotransferase) (Serum/IFCC / Kinetic)	17	U/L	5 - 41
Alkaline Phosphatase (SAP) (Serum/PNPP / Kinetic)	94	U/L	53 - 128
GGT(Gamma Glutamyl Transpeptidase) (Serum/IFCC / Kinetic)	16	U/L	< 55







PID No. : MED112005250

SID No. : 712343030

Age / Sex : 28 Year(s) / Male

Type : OP

Ref. Dr : MediWheel

Register On : 22/12/2023 10:13 AM

Collection On : 22/12/2023 11:05 AM

Report On : 22/12/2023 5:18 PM

Printed On : 28/02/2024 4:03 PM



Investigation	Observed Value	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
<u>Lipid Profile</u>			
Cholesterol Total (Serum/Oxidase / Peroxidase method)	166	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/Glycerol phosphate oxidase / peroxidase)	87	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.

part of the day.			
HDL Cholesterol (Serum/Immunoinhibition)	34	mg/dL	Optimal(Negative Risk Factor): >= 60 Borderline: 40 - 59 High Risk: < 40
LDL Cholesterol (Serum/Calculated)	114.6	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >= 190
VLDL Cholesterol (Serum/Calculated)	17.4	mg/dL	< 30
Non HDL Cholesterol (Serum/Calculated)	132.0	mg/dL	Optimal: < 130 Above Optimal: 130 - 159 Borderline High: 160 - 189 High: 190 - 219 Very High: >= 220







PID No. : MED112005250 Register On : 22/12/2023 10:13 AM : 712343030 SID No.

Age / Sex : 28 Year(s) / Male Report On : 22/12/2023 5:18 PM

Printed On

Type : OP

Ref. Dr : MediWheel Collection On : 22/12/2023 11:05 AM

: 28/02/2024 4:03 PM

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

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.

Total Cholesterol/HDL Cholesterol Ratio (Serum/Calculated)	4.9	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
		High Risk: > 11.0

Optimal: < 2.5 Triglyceride/HDL Cholesterol Ratio 2.6 Mild to moderate risk: 2.5 - 5.0 (TG/HDL) High Risk: > 5.0 (Serum/Calculated)

LDL/HDL Cholesterol Ratio Optimal: 0.5 - 3.0 3.4 Borderline: 3.1 - 6.0 (Serum/Calculated)

High Risk: > 6.0









 PID No.
 : MED112005250
 Register On
 : 22/12/2023 10:13 AM

 SID No.
 : 712343030
 Collection On
 : 22/12/2023 11:05 AM

Age / Sex : 28 Year(s) / Male Report On : 22/12/2023 5:18 PM

Type : OP

Ref. Dr : MediWheel



Investigation Glycosylated Haemoglobin (HbA1c)	Observed <u>Value</u>	<u>Unit</u>	Biological Reference Interval
HbA1C (Whole Blood/HPLC)	5.4	%	Normal: 4.5 - 5.6 Prediabetes: 5.7 - 6.4 Diabetic: >= 6.5

: 28/02/2024 4:03 PM

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

Printed On

Estimated Average Glucose 108.28 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 HbAlc.







PID No. : MED112005250

SID No. : 712343030

Age / Sex : 28 Year(s) / Male

Type : OP

Ref. Dr : MediWheel

Register On : 22/12/2023 10:13 AM

Collection On : 22/12/2023 11:05 AM

Report On : 22/12/2023 5:18 PM

Printed On : 28/02/2024 4:03 PM



Investigation	Observed Value	<u>Unit</u>	<u>Biological</u> Reference Interval
BIOCHEMISTRY			
BUN / Creatinine Ratio	9.8		
Glucose Fasting (FBS) (Plasma - F/GOD- POD)	75	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.

Urine sugar, Fasting	Nil		Nil
(Urine - F)			
Glucose Postprandial (PPBS)	89	mg/dL	70 - 140
(Plasma - PP/GOD - POD)			

INTERPRETATION:

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 Sugar (PP-2 hours) (Urine - PP)	Negative		Negative
Blood Urea Nitrogen (BUN) (Serum/Urease UV / derived)	8.8	mg/dL	7.0 - 21
Creatinine (Serum/Jaffe Kinetic)	0.9	mg/dL	0.9 - 1.3

INTERPRETATION: Elevated Creatinine values are encountered in increased muscle mass, severe dehydration, Pre-eclampsia, increased ingestion of cooked meat, consuming Protein/ Creatine supplements, Diabetic Ketoacidosis, prolonged fasting, renal dysfunction and drugs such as cefoxitin ,cefazolin, ACE inhibitors ,angiotensin II receptor antagonists,N-acetylcyteine , chemotherapeutic agent such as flucytosine etc.

Uric Acid 4.3 mg/dL 3.5 - 7.2

(Serum/Uricase/Peroxidase)







PID No. : MED112005250 Register On : 22/12/2023 10:13 AM

: 712343030 SID No. Collection On : 22/12/2023 11:05 AM

Age / Sex : 28 Year(s) / Male Report On : 22/12/2023 5:18 PM **Type** : OP

Ref. Dr : MediWheel

: 28/02/2024 4:03 PM **Printed On**



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

IMMUNOASSAY

THYROID PROFILE / TFT

1.33 0.7 - 2.04T3 (Triiodothyronine) - Total ng/ml

(Serum/Chemiluminescent Immunometric Assay (CLIA))

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 (Thyroxine) - Total 7.82 Microg/dl 4.2 - 12.0

(Serum/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.

0.35 - 5.50 TSH (Thyroid Stimulating Hormone) 22.00 uIU/mL

(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.







PID No. : MED112005250 **Reg**

SID No. : 712343030

Age / Sex : 28 Year(s) / Male

Type : OP

Ref. Dr : MediWheel

Register On : 22/12/2023 10:13 AM

Collection On : 22/12/2023 11:05 AM

: 22/12/2023 5:18 PM

Printed On : 28/02/2024 4:03 PM



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

Report On

CLINICAL PATHOLOGY

PHYSICAL EXAMINATION

Colour	Pale vellow	Yellow to Amber
Colour	Pale yellow	I ellow to Alliber

(Urine/Physical examination)

Volume 20 ml

(Urine/Physical examination)

Appearance Clear

(Urine)

CHEMICAL EXAMINATION

pH 6.0 4.5 - 8.0

(Urine)

Specific Gravity 1.015 1.002 - 1.035

(Urine/Dip Stick - Reagent strip method)

Protein Negative Negative

(Urine/Dip Stick - Reagent strip method)

Glucose Nil Nil

(Urine)

Ketone Nil Nil

(Urine/Dip Stick - Reagent strip method)

Leukocytes Negative leuco/uL Negative

(Urine)

Nitrite Nil Nil

(Urine/Dip Stick - Reagent strip method)

Bilirubin Negative mg/dL Negative

(Urine)

(Urine)

Blood Nil Nil Nil









PID No. : MED112005250

SID No. : 712343030

Age / Sex : 28 Year(s) / Male

Type : OP

Ref. Dr : MediWheel

Register On : 22/12/2023 10:13 AM

Collection On : 22/12/2023 11:05 AM

Report On : 22/12/2023 5:18 PM

Printed On : 28/02/2024 4:03 PM



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







APPROVED BY

-- End of Report --



Name	Mr.UMESH N	ID	MED112005250
Age & Gender	38/MALE	Visit Date	22/12/2023
Ref Doctor Name	MediWheel		

ABDOMINO-PELVIC ULTRASONOGRAPHY

LIVER is normal in shape, size and has uniform echopattern.

Small hyperechoic lesion measuring 1.0×0.9 cm is noted in the right lobe of liver - likely haemangioma.

No evidence of intrahepatic biliary ductal dilatation.

Hepatic and portal vein radicals are normal.

GALL BLADDER is partially distended.

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	9.7	1.7
Left Kidney	9.8	1.9

URINARY BLADDER is partially distended.

PROSTATE shows normal shape, size and echopattern.

No evidence of ascites.

Impression:

- > Small Hepatic Haemangioma.
- No Other 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.
- 2. The results reported here in are subject to interpretation by qualified medical professionals only.
- 3. Customer identities are accepted provided by the customer or their representative.
- 4.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.
- 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 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
- 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.UMESH N	ID	MED112005250
Age & Gender	38/MALE	Visit Date	22/12/2023
Ref Doctor Name	MediWheel		

DR. ANITHA ADARSH

DR. MOHAN B

MB/mm

REPORT DISCLAIMER

- 1.This is only a radiological imperssion.Like other investigations, radiological investication also have limitation. Therefore radiological reports should be interpreted in correlation with clinical and pathological findings.
- 2. The results reported here in are subject to interpretation by qualified medical professionals only.
- 3.Customer identities are accepted provided by the customer or their representative.
- 4.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.
- 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 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.
- 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. UMESH N	ID	MED112005250
Age & Gender	38Y/M	Visit Date	Dec 22 2023 10:12AM
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.

Impression: No significant abnormality detected.

DR. MOHAN, B

(DMRD, DNB, EDIR, FELLOW IN CARDIAC

MRI)

CONSULTANT RADIOLOGIST