

Name : Mr. S MAHESH
PID No. : MED410032287
SID No. : 712415795
Age / Sex : 43 Year(s) / Male
Type : OP
Ref. Dr : MediWheel

Register On : 25/05/2024 9:00 AM
Collection On : 25/05/2024 11:27 AM
Report On : 25/05/2024 4:18 PM
Printed On : 28/05/2024 6:13 PM



Investigation

Observed
Value

Unit

Biological
Reference Interval

IMMUNOHAEMATOLOGY

BLOOD GROUPING AND Rh TYPING
(EDTA Blood/Agglutination)

'A' 'Positive'

Remark: Test to be confirmed by gel method

A handwritten signature in black ink, appearing to read "S. Mohan Kumar".

Mr. S. Mohan Kumar
Sr. Lab Technician

VERIFIED BY

A handwritten signature in black ink, appearing to read "Dr. Kiran H's MD".

DR KIRAN H'S MD
Consultant Pathologist
KMC No: 86542

APPROVED BY

Name : Mr. S MAHESH

PID No. : MED410032287

SID No. : 712415795

Age / Sex : 43 Year(s) / Male

Type : OP

Ref. Dr : MediWheel

Register On : 25/05/2024 9:00 AM

Collection On : 25/05/2024 11:27 AM

Report On : 25/05/2024 4:18 PM

Printed On : 28/05/2024 6:13 PM



<u>Investigation</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
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)	4.16	10 ³ / µl	1.5 - 6.6
Absolute Lymphocyte Count (EDTA Blood/Impedance Variation & Flow Cytometry)	2.51	10 ³ / µl	1.5 - 3.5
Absolute Eosinophil Count (AEC) (EDTA Blood/Impedance Variation & Flow Cytometry)	0.14	10 ³ / µl	0.04 - 0.44
Absolute Monocyte Count (EDTA Blood/Impedance Variation & Flow Cytometry)	0.36	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)	144	10 ³ / µl	150 - 450
Remark: kindly correlate clinically			
MPV (Blood/Derived)	15.3	fL	7.9 - 13.7
PCT	0.22	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate) (Citrated Blood/Automated ESR analyser)	12	mm/hr	< 15


Mr. S. Mohan Kumar
Sr. Lab Technician

VERIFIED BY




DR KIRAN H S MD
Consultant Pathologist
KMC No: 86542

APPROVED BY

Name : Mr. S MAHESH
PID No. : MED410032287
SID No. : 712415795
Age / Sex : 43 Year(s) / Male
Type : OP
Ref. Dr : MediWheel

Register On : 25/05/2024 9:00 AM
Collection On : 25/05/2024 11:27 AM
Report On : 25/05/2024 4:18 PM
Printed On : 28/05/2024 6:13 PM



<u>Investigation</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
<u>Lipid Profile</u>			
Cholesterol Total (Serum/Oxidase / Peroxidase method)	206	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/Glycerol phosphate oxidase / peroxidase)	206	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)	37	mg/dL	Optimal(Negative Risk Factor): >= 60 Borderline: 40 - 59 High Risk: < 40
LDL Cholesterol (Serum/Calculated)	127.8	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >= 190
VLDL Cholesterol (Serum/Calculated)	41.2	mg/dL	< 30
Non HDL Cholesterol (Serum/Calculated)	169.0	mg/dL	Optimal: < 130 Above Optimal: 130 - 159 Borderline High: 160 - 189 High: 190 - 219 Very High: >= 220


Mr. S. Mohan Kumar
Sr. Lab Technician

VERIFIED BY




DR KIRAN H S MD
Consultant Pathologist
KMC No: 86542

APPROVED BY

Name : Mr. S MAHESH
PID No. : MED410032287
SID No. : 712415795
Age / Sex : 43 Year(s) / Male
Type : OP
Ref. Dr : MediWheel

Register On : 25/05/2024 9:00 AM
Collection On : 25/05/2024 11:27 AM
Report On : 25/05/2024 4:18 PM
Printed On : 28/05/2024 6:13 PM



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

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)	5.6		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)	5.6		Optimal: < 2.5 Mild to moderate risk: 2.5 - 5.0 High Risk: > 5.0
--	-----	--	--

LDL/HDL Cholesterol Ratio (Serum/Calculated)	3.5		Optimal: 0.5 - 3.0 Borderline: 3.1 - 6.0 High Risk: > 6.0
---	-----	--	---

Mr. S. Mohan Kumar
Sr. Lab Technician

VERIFIED BY



DR KIRAN H'S MD
Consultant Pathologist
KMC No: 86542

APPROVED BY

Name : Mr. S MAHESH
PID No. : MED410032287
SID No. : 712415795
Age / Sex : 43 Year(s) / Male
Type : OP
Ref. Dr : MediWheel

Register On : 25/05/2024 9:00 AM
Collection On : 25/05/2024 11:27 AM
Report On : 25/05/2024 4:18 PM
Printed On : 28/05/2024 6:13 PM



<u>Investigation</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
<u>Glycosylated Haemoglobin (HbA1c)</u>			
HbA1C (Whole Blood/HPLC)	10.4	%	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 %

Remark: Kindly correlate clinically,

Estimated Average Glucose 251.78 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 glycaemic 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.

Mr. S. Mohan Kumar
Sr. Lab Technician

VERIFIED BY



DR KIRAN H S MD
Consultant Pathologist
KMC No: 86542

APPROVED BY

Name : Mr. S MAHESH
PID No. : MED410032287
SID No. : 712415795
Age / Sex : 43 Year(s) / Male
Type : OP
Ref. Dr : MediWheel

Register On : 25/05/2024 9:00 AM
Collection On : 25/05/2024 11:27 AM
Report On : 25/05/2024 4:18 PM
Printed On : 28/05/2024 6:13 PM



Investigation **Observed Value** **Unit** **Biological Reference Interval**

BIOCHEMISTRY

BUN / Creatinine Ratio	13.1		
Glucose Fasting (FBS) (Plasma - F/GOD- POD)	242	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 (Urine - F)	Positive(+++)		Nil
-------------------------------------	---------------	--	-----

Glucose Postprandial (PPBS) (Plasma - PP/GOD - POD)	356	mg/dL	70 - 140
--	-----	-------	----------

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)	Positive(+++)		Negative
--	---------------	--	----------

Blood Urea Nitrogen (BUN) (Serum/Urease UV / derived)	11.8	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 (Serum/Uricase/Peroxidase)	2.7	mg/dL	3.5 - 7.2
---	-----	-------	-----------

Mr. S. Mohan Kumar
Sr. Lab Technician

VERIFIED BY



DR KIRAN H S MD
Consultant Pathologist
KMC No: 86542

APPROVED BY

Name : Mr. S MAHESH
PID No. : MED410032287
SID No. : 712415795
Age / Sex : 43 Year(s) / Male
Type : OP
Ref. Dr : MediWheel

Register On : 25/05/2024 9:00 AM
Collection On : 25/05/2024 11:27 AM
Report On : 25/05/2024 4:18 PM
Printed On : 28/05/2024 6:13 PM



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

IMMUNOASSAY

THYROID PROFILE / TFT

T3 (Triiodothyronine) - Total (Serum/Chemiluminescent Immunometric Assay (CLIA))	1.18	ng/ml	0.7 - 2.04
---	------	-------	------------

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 (Serum/Chemiluminescent Immunometric Assay (CLIA))	12.23	Microg/dl	4.2 - 12.0
--	-------	-----------	------------

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.

TSH (Thyroid Stimulating Hormone) (Serum/Chemiluminescent Immunometric Assay (CLIA))	0.48	μIU/mL	0.35 - 5.50
---	------	--------	-------------

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.

Mr. S. Mohan Kumar
Sr. Lab Technician

VERIFIED BY



DR KIRAN H S MD
Consultant Pathologist
KMC No: 86542

APPROVED BY

Name : Mr. S MAHESH
PID No. : MED410032287
SID No. : 712415795
Age / Sex : 43 Year(s) / Male
Type : OP
Ref. Dr : MediWheel

Register On : 25/05/2024 9:00 AM
Collection On : 25/05/2024 11:27 AM
Report On : 25/05/2024 4:18 PM
Printed On : 28/05/2024 6:13 PM



<u>Investigation</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
<u>IMMUNOASSAY</u>			
Total PSA (Serum/Chemiluminescent Immunometric Assay (CLIA))	0.92	ng/ml	Normal: 0.0 - 4.0 Inflammatory & Non Malignant conditions of Prostate & genitourinary system: 4.01 - 10.0 Suspicious of Malignant disease of Prostate: > 10.0

INTERPRETATION:REMARK : PSA alone should not be used as an absolute indicator of malignancy.


Mr. S. Mohan Kumar
Sr. Lab Technician

VERIFIED BY




DR KIRAN H S MD
Consultant Pathologist
KMC No: 86542

APPROVED BY

Name : Mr. S MAHESH
PID No. : MED410032287
SID No. : 712415795
Age / Sex : 43 Year(s) / Male
Type : OP
Ref. Dr : MediWheel

Register On : 25/05/2024 9:00 AM
Collection On : 25/05/2024 11:27 AM
Report On : 25/05/2024 4:18 PM
Printed On : 28/05/2024 6:13 PM



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

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)	6.5		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)	Positive(+++)		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


Mr. S. Mohan Kumar
Sr. Lab Technician

VERIFIED BY




DR KIRAN H S MD
Consultant Pathologist
KMC No: 86542

APPROVED BY

Name : Mr. S MAHESH
PID No. : MED410032287
SID No. : 712415795
Age / Sex : 43 Year(s) / Male
Type : OP
Ref. Dr : MediWheel

Register On : 25/05/2024 9:00 AM
Collection On : 25/05/2024 11:27 AM
Report On : 25/05/2024 4:18 PM
Printed On : 28/05/2024 6:13 PM



<u>Investigation</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological 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/Microscopy)	3-4	/hpf	< 5
Epithelial Cells (Urine/Microscopy)	2-3	/hpf	No ranges
Others (Urine)	Nil		Nil


Mr. S. Mohan Kumar
Sr. Lab Technician

VERIFIED BY




DR KIRAN H S MD
Consultant Pathologist
KMC No: 86542

APPROVED BY

-- End of Report --

Name	Mr.S MAHESH	ID	MED410032287
Age & Gender	43/MALE	Visit Date	25/05/2024
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 is distended and shows few mobile shadowing echogenic focus measuring upto 8mm within the lumen. 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.
No demonstrable Para-aortic lymphadenopathy.

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	10.1	1.4
Left Kidney	10.0	1.4

URINARY BLADDER show normal shape and wall thickness.
It has clear contents. No evidence of diverticula.

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

IMPRESSION:

➤ **CHOLELITHIASIS.**

CONSULTANT RADIOLOGISTS

REPORT DISCLAIMER

- 1.This is only a radiological impression.Like other investigations, radiological investigation 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 referring 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.S MAHESH	ID	MED410032287
Age & Gender	43/MALE	Visit Date	25/05/2024
Ref Doctor Name	MediWheel		

DR. ANITHA ADARSH

DR. MOHAN B

AA/MS

REPORT DISCLAIMER

- 1.This is only a radiological impression.Like other investigations, radiological investigation 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 referring 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. S MAHESH	ID	MED410032287
Age & Gender	43Y/M	Visit Date	May 25 2024 9:00AM
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. Anitha Adarsh
Consultant Radiologist