PID No.
 : MED121762239
 Register On
 : 25/11/2023 8:06 AM

 SID No.
 : 522318260
 Collection On
 : 25/11/2023 11:22 AM

 Age / Sex
 : 34 Year(s) / Female
 Report On
 : 25/11/2023 3:50 PM

 Type
 : OP
 Printed On
 : 26/11/2023 9:22 AM

Ref. Dr : MediWheel

Investigation	Observed <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
BLOOD GROUPING AND Rh	'A' 'Positive'		

TYPING

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

INTERPRETATION: Note: Slide method is screening method. Kindly confirm with Tube method for transfusion.

Complete Blood Count With - ESR

Haemoglobin (EDTA Blood/Spectrophotometry)	14.3	g/dL	12.5 - 16.0
Packed Cell Volume(PCV)/Haematocrit (EDTA Blood)	41.7	%	37 - 47
RBC Count (EDTA Blood)	4.57	mill/cu.mm	4.2 - 5.4
Mean Corpuscular Volume(MCV) (EDTA Blood)	91.3	fL	78 - 100
Mean Corpuscular Haemoglobin(MCH) (EDTA Blood)	31.2	pg	27 - 32
Mean Corpuscular Haemoglobin concentration(MCHC) (EDTA Blood)	34.2	g/dL	32 - 36
RDW-CV	12.4	%	11.5 - 16.0
RDW-SD	40.3	fL	39 - 46
Total Leukocyte Count (TC) (EDTA Blood)	8700	cells/cu.m m	4000 - 11000
Neutrophils (Blood)	56.5	%	40 - 75
Lymphocytes (Blood)	36.4	%	20 - 45
Eosinophils (Blood)	1.8	%	01 - 06





APPROVED BY

The results pertain to sample tested.

Page 1 of 8

Lab Address: BANGALORE REFERENCE LABORATORY-CLUMAX DIAGNOSTIC AND RESEARCH CENTRE PVT LTD. (A UNIT OF MEDALL HEALTHCARE PVT. LTD.),Old No 66 & New No 1, 2nd Main Road, Bashyam Circle, Sankey Cross Road Malleswaram, Gayathri Devi Park Extension, Kodandarampura, Sadashiva Nagar, Bengaluru, Karnataka-560003,.

 PID No.
 : MED121762239
 Register On
 : 25/11/2023 8:06 AM

 SID No.
 : 522318260
 Collection On
 : 25/11/2023 11:22 AM

 Age / Sex
 : 34 Year(s) / Female
 Report On
 : 25/11/2023 3:50 PM

 Type
 : OP
 Printed On
 : 26/11/2023 9:22 AM

Ref. Dr : MediWheel

Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
Monocytes (Blood)	5.0	%	01 - 10
Basophils (Blood)	0.3	%	00 - 02
INTERPRETATION: Tests done on Automated Fiv	e Part cell counter. All	abnormal results are	reviewed and confirmed microscopically.
Absolute Neutrophil count (EDTA Blood)	4.9	10^3 / µl	1.5 - 6.6
Absolute Lymphocyte Count (EDTA Blood)	3.2	10^3 / μl	1.5 - 3.5
Absolute Eosinophil Count (AEC) (EDTA Blood)	0.2	10^3 / μl	0.04 - 0.44
Absolute Monocyte Count (EDTA Blood)	0.4	10^3 / μ1	< 1.0
Absolute Basophil count (EDTA Blood)	0.0	10^3 / μl	< 0.2
Platelet Count (EDTA Blood)	245	10^3 / µl	150 - 450
MPV (Blood)	8.7	fL	8.0 - 13.3
PCT (Automated Blood cell Counter)	0.214	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate) (Citrated Blood)	13	mm/hr	< 20
BUN / Creatinine Ratio	12.8		6.0 - 22.0
Glucose Fasting (FBS) (Plasma - F/GOD-PAP)	82.77	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.





PID No. Register On : MED121762239 : 25/11/2023 8:06 AM : 522318260 SID No. Collection On : 25/11/2023 11:22 AM Age / Sex : 34 Year(s) / Female Report On 25/11/2023 3:50 PM **Type** : OP **Printed On** : 26/11/2023 9:22 AM

Ref. Dr : MediWheel

Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> Reference Interval
Glucose, Fasting (Urine) (Urine - F/GOD - POD)	Negative		Negative
Glucose Postprandial (PPBS)	66.04	mg/dL	70 - 140

(Plasma - PP/GOD-PAP)

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 Glucose(PP-2 hours) (Urine - PP)	Negative		Negative
Blood Urea Nitrogen (BUN) (Serum/Urease UV / derived)	8.2	mg/dL	7.0 - 21
Creatinine (Serum/Modified Juffe)	0.64	mg/dL	0.6 - 1.1

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

Uric Acid (Serum/Enzymatic)	4.80	mg/dL	2.6 - 6.0
Liver Function Test			
Bilirubin(Total) (Serum/DCA with ATCS)	0.62	mg/dL	0.1 - 1.2
Bilirubin(Direct) (Serum/Diazotized Sulfanilic Acid)	0.22	mg/dL	0.0 - 0.3
Bilirubin(Indirect) (Serum/Derived)	0.40	mg/dL	0.1 - 1.0
SGOT/AST (Aspartate Aminotransferase) (Serum/Modified IFCC)	10.64	U/L	5 - 40
SGPT/ALT (Alanine Aminotransferase) (Serum/Modified IFCC)	5.02	U/L	5 - 41





APPROVED BY

The results pertain to sample tested.

Page 3 of 8

Lab Address: BANGALORE REFERENCE LABORATORY-CLUMAX DIAGNOSTIC AND RESEARCH CENTRE PVT LTD. (A UNIT OF MEDALL HEALTHCARE PVT. LTD.), Old No 66 & New No 1, 2nd Main Road, Bashyam Circle, Sankey Cross Road Malleswaram, Gayathri Devi Park Extension, Kodandarampura, Sadashiva Nagar, Bengaluru, Karnataka-560003,.

 PID No.
 : MED121762239
 Register On
 : 25/11/2023 8:06 AM

 SID No.
 : 522318260
 Collection On
 : 25/11/2023 11:22 AM

 Age / Sex
 : 34 Year(s) / Female
 Report On
 : 25/11/2023 3:50 PM

 Type
 : OP
 Printed On
 : 26/11/2023 9:22 AM

Ref. Dr : MediWheel

Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
GGT(Gamma Glutamyl Transpeptidase) (Serum/IFCC / Kinetic)	15.33	U/L	< 38
Alkaline Phosphatase (SAP) (Serum/Modified IFCC)	83.1	U/L	42 - 98
Total Protein (Serum/Biuret)	6.46	gm/dl	6.0 - 8.0
Albumin (Serum/Bromocresol green)	3.89	gm/dl	3.5 - 5.2
Globulin (Serum/Derived)	2.57	gm/dL	2.3 - 3.6
A : G RATIO (Serum/Derived)	1.51		1.1 - 2.2
<u>Lipid Profile</u>			
Cholesterol Total (Serum/CHOD-PAP with ATCS)	131.41	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/GPO-PAP with ATCS)	93.82	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 õusualö"circulating level of triglycerides during most part of the day.

HDL Cholesterol 40.55 mg/dL Optimal(Negative Risk Factor): >= 60 (Serum/Immunoinhibition) Borderline: 50 - 59 High Risk: < 50





 PID No.
 : MED121762239
 Register On
 : 25/11/2023 8:06 AM

 SID No.
 : 522318260
 Collection On
 : 25/11/2023 11:22 AM

 Age / Sex
 : 34 Year(s) / Female
 Report On
 : 25/11/2023 3:50 PM

 Type
 : OP
 Printed On
 : 26/11/2023 9:22 AM

Ref. Dr : MediWheel

Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
LDL Cholesterol (Serum/Calculated)	72.1	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >= 190
VLDL Cholesterol (Serum/Calculated)	18.8	mg/dL	< 30
Non HDL Cholesterol (Serum/Calculated)	90.9	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.

3.2	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
2.3	Optimal: < 2.5
	Mild to moderate risk: 2.5 - 5.0
	High Risk: > 5.0
1.8	Optimal: 0.5 - 3.0
	Borderline: 3.1 - 6.0
	High Risk: > 6.0
	2.3

Glycosylated Haemoglobin (HbA1c)





 PID No.
 : MED121762239
 Register On
 : 25/11/2023 8:06 AM

 SID No.
 : 522318260
 Collection On
 : 25/11/2023 11:22 AM

 Age / Sex
 : 34 Year(s) / Female
 Report On
 : 25/11/2023 3:50 PM

 Type
 : OP
 Printed On
 : 26/11/2023 9:22 AM

Ref. Dr : MediWheel

Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
HbA1C (Whole Blood/HPLC)	5.2	%	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 102.54 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 HbAlC 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.

THYROID PROFILE / TFT

T3 (Triiodothyronine) - Total 1.22 ng/ml 0.7 - 2.04 (Serum/ECLIA)

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 $10.13 \hspace{1cm} \mu g/dl \hspace{1cm} 4.2 - 12.0$

(Serum/ECLIA)

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) 2.07 µIU/mL 0.35 - 5.50

(Serum/ECLIA)





PID No. Register On : MED121762239 : 25/11/2023 8:06 AM : 522318260 SID No. Collection On : 25/11/2023 11:22 AM Age / Sex : 34 Year(s) / Female Report On : 25/11/2023 3:50 PM Type : OP **Printed On** : 26/11/2023 9:22 AM

Ref. Dr : MediWheel

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

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.

URINE ROUTINE

PHYSICAL EXAMINATION (URINE **COMPLETE**)

Colour (Urine)	Pale yellow	Yellow to Amber
Appearance (Urine)	Clear	Clear
Volume(CLU) (Urine)	20	
<u>CHEMICAL EXAMINATION (URINE COMPLETE)</u>		
pH (Urine)	5.5	4.5 - 8.0
Specific Gravity (Urine)	1.006	1.002 - 1.035
Ketone (Urine)	Negative	Negative
Urobilinogen (Urine)	Normal	Normal





APPROVED BY

The results pertain to sample tested.

Page 7 of 8

Lab Address: BANGALORE REFERENCE LABORATORY-CLUMAX DIAGNOSTIC AND RESEARCH CENTRE PVT LTD. (A UNIT OF MEDALL HEALTHCARE PVT. LTD.), Old No 66 & New No 1, 2nd Main Road, Bashyam Circle, Sankey Cross Road Malleswaram, Gayathri Devi Park Extension, Kodandarampura, Sadashiva Nagar, Bengaluru, Karnataka-560003,..

 PID No.
 : MED121762239
 Register On
 : 25/11/2023 8:06 AM

 SID No.
 : 522318260
 Collection On
 : 25/11/2023 11:22 AM

 Age / Sex
 : 34 Year(s) / Female
 Report On
 : 25/11/2023 3:50 PM

 Type
 : OP
 Printed On
 : 26/11/2023 9:22 AM

Ref. Dr : MediWheel

Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
Blood (Urine)	Negative		Negative
Nitrite (Urine)	Negative		Negative
Bilirubin (Urine)	Negative		Negative
Protein (Urine)	Negative		Negative
Glucose (Urine/GOD - POD)	Negative		Negative
Leukocytes(CP) (Urine)	Negative		
MICROSCOPIC EXAMINATION (URINE COMPLETE)			
Pus Cells (Urine)	0-1	/hpf	NIL
Epithelial Cells (Urine)	0-1	/hpf	NIL
RBCs (Urine)	NIL	/HPF	NIL
Others (Urine)	NIL		
INTERPRETATION: Note: Done with Automate reviewed and confirmed microscopically.	ed Urine Analyser & Auto	omated urine sedimen	ntation analyser. All abnormal reports are
Casts (Urine)	NIL	/hpf	NIL
Crystals (Urine)	NIL	/hpf	NIL





APPROVED BY

-- End of Report --

The results pertain to sample tested.

Page 8 of 8

Lab Address: BANGALORE REFERENCE LABORATORY-CLUMAX DIAGNOSTIC AND RESEARCH CENTRE PVT LTD. (A UNIT OF MEDALL HEALTHCARE PVT. LTD.),Old No 66 & New No 1, 2nd Main Road, Bashyam Circle, Sankey Cross Road Malleswaram, Gayathri Devi Park Extension, Kodandarampura, Sadashiva Nagar, Bengaluru, Karnataka-560003,.

Name	MRS.MADHUSHREE J	ID	MED121762239
Age & Gender	34Y/FEMALE	Visit Date	25 Nov 2023
Ref Doctor Name	MediWheel	-	

ABDOMINO-PELVIC ULTRASONOGRAPHY

LIVER is normal in shape, size (14.4 cm) and has uniform echopattern. No evidence of focal lesion or intrahepatic biliary ductal dilatation. Hepatic and portal vein radicals are normal.

GALL BLADDER shows normal shape and has clear contents. 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

Right kidney: Normal in shape, size and echopattern. Cortico-medullary differentiation is well madeout. No evidence of calculus or hydronephrosis. Extra renal pelvis noted.

Left kidney: Normal in shape, size and echopattern. Cortico-medullary differentiation is well madeout. No evidence of calculus or hydronephrosis.

The kidney measures as follows:

·	Bipolar length (cms)	Parenchymal thickness (cms)
Right Kidney	9.1	1.4
Left Kidney	10.4	1.8

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

UTERUS is anteverted and has normal shape and size. It has uniform myometrial echopattern. Endometrial echo is of normal thickness - 9.3 mm.

Uterus measures LS: 4.2 cms AP: 3.5 cms TS: 4.4 cms.

OVARIES are normal in size, shape and echotexture Right ovary measures 8.0 cc Left ovary measures 4.3 cc

POD & adnexa are free. No evidence of ascites.

IMPRESSION:

• No sonological abnormality detected.

Name	MRS.MADHUSHREE J	ID	MED121762239
Age & Gender	34Y/FEMALE	Visit Date	25 Nov 2023
Ref Doctor Name	MediWheel		

DR. KARTHIK VIJAY DATTANI, MD, PDCC CONSULTANT RADIOLOGIST

Kv/Mi

Name	MRS.MADHUSHREE J	ID	MED121762239
Age & Gender	34Y/FEMALE	Visit Date	25 Nov 2023
Ref Doctor Name	MediWheel	-	

2D ECHOCARDIOGRAPHIC STUDY

M-mode measurement:

AORTA 2.12 cms. LEFT ATRIUM 2.48 cms. **AVS** 1.47 cms. LEFT VENTRICLE (DIASTOLE) 3.91 cms. (SYSTOLE) 2.22 cms. **VENTRICULAR SEPTUM** (DIASTOLE) 0.87 cms. (SYSTOLE) 1.25 cms. POSTERIOR WALL (DIASTOLE) 1.16 cms. (SYSTOLE) 1.40 cms. **EDV** 66 ml. **ESV** 16 ml. % FRACTIONAL SHORTENING 43 **EJECTION FRACTION** 60 % **EPSS** cms. **RVID** 1.80 cms.

DOPPLER MEASUREMENTS:

MITRAL VALVE: E - 0.8 m/s A - 0.4 m/s NO MR.

AORTIC VALVE: 1.1 m/s NO AR.

TRICUSPID VALVE: E - 0.4 m/s A - 0.2 m/s NO TR.

PULMONARY VALVE: 0.8 m/s NO PR.

Name	MRS.MADHUSHREE J	ID	MED121762239
Age & Gender	34Y/FEMALE	Visit Date	25 Nov 2023
Ref Doctor Name	MediWheel		

2D ECHOCARDIOGRAPHY FINDINGS:

Left Ventricle : Normal size, Normal systolic function.

: No regional wall motion abnormalities.

Left Atrium : Normal.

Right Ventricle : Normal.

Right Atrium : Normal.

Mitral Valve : Normal. No mitral valve prolapsed.

Aortic Valve : Normal.Trileaflet.

Tricuspid Valve : Normal.

Pulmonary Valve : Normal.

IAS : Intact.

IVS : Intact.

Pericardium : No pericardial effusion.

IMPRESSION:

- NORMAL SIZED CARDIAC CHAMBERS.
- NORMAL LV SYSTOLIC FUNCTION. EF: 60 %.
- NO REGIONAL WALL MOTION ABNORMALITIES.
- NORMAL VALVES.
- NO CLOTS / PERICARDIAL EFFUSION / VEGETATION.

DR. YASHODA RAVI CONSULTANT CARDIOLOGIST

Name	MRS.MADHUSHREE J	ID	MED121762239
Age & Gender	34Y/FEMALE	Visit Date	25 Nov 2023
Ref Doctor Name	MediWheel	-	

Name	MRS. MADHUSHREE J	Customer ID	MED121762239
Age & Gender	34Y/F	Visit Date	Nov 25 2023 8:06AM
Ref Doctor	MediWheel		

X - RAY CHEST PA VIEW

Bilateral lung fields appear norr

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. Hemanandini Consultant Radiologist



Patient Name	Madhushree J	Date	25/11/2023
Age	34425	Visit Number	522318260
Sex	fenale	Corporate	Medi Wheel

GENERAL PHYSICAL EXAMINATION

Identification Mark:

Height: 127 ms

cms

kgs

Weight: 65 lcg Puse: 72 from

/minute

Blood Pressure : 110 70

mm of Hg

BMII : 19.5

BMII INTERPRETATION

Underweight = <18.5

Normal weight = 18.5-24.9

Overweight = 25-29.9

Chest:

Expiration:

cms

Inspiration:

cms

Abdomen Measurement : 93 cm

cms

Eyes:

Ears: NAD

Throat: NBP

Neck nodes : NAD

RS: BLL VEN &

cvs: Si Si

PA: Roll

CNS: Luma Chulad

No abnormality is detected. His / Her general physical examination is within normal limits.

NOTE: MEDICAL FIT FOR EMPLOYMENT YES / NO

TESH RAJ, MBBS General Physician & Diabetologie9 KMC Reg. No: 85875

UMAR DIAGNOSTICS

You can also conveniently view the reports and trends through our App. Scan QR code to download the App.



Please produce bill copy at the time of collecting the reports. Request you to provide your mobile number or customer id during your subsequent visits.

