PID No.
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<u>Investigation</u>	Observed Unit Value	<u>Biological</u> <u>Reference Interval</u>
BLOOD GROUPING AND Rh	'AB' 'Positive'	

TYDING

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)	10.9	g/dL	12.5 - 16.0
Packed Cell Volume(PCV)/Haematocrit (EDTA Blood)	34.5	%	37 - 47
RBC Count (EDTA Blood)	5.40	mill/cu.mm	4.2 - 5.4
Mean Corpuscular Volume(MCV) (EDTA Blood)	63.9	fL	78 - 100
Mean Corpuscular Haemoglobin(MCH) (EDTA Blood)	20.1	pg	27 - 32
Mean Corpuscular Haemoglobin concentration(MCHC) (EDTA Blood)	31.5	g/dL	32 - 36
RDW-CV	14.5	%	11.5 - 16.0
RDW-SD	32.43	fL	39 - 46
Total Leukocyte Count (TC) (EDTA Blood)	7300	cells/cu.mm	4000 - 11000
Neutrophils (Blood)	50.1	%	40 - 75
Lymphocytes (Blood)	39.8	%	20 - 45
Eosinophils (Blood)	3.4	%	01 - 06







**APPROVED BY** 

The results pertain to sample tested.

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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
Monocytes (Blood)	6.0	%	01 - 10
Basophils (Blood)	0.7	%	00 - 02
INTERPRETATION: Tests done on Automated	Five Part cell count	er. All abnormal results	are reviewed and confirmed microscopically.
Absolute Neutrophil count (EDTA Blood)	3.66	$10^3 / \mu$ l	1.5 - 6.6
Absolute Lymphocyte Count (EDTA Blood)	2.91	10^3 / μl	1.5 - 3.5
Absolute Eosinophil Count (AEC) (EDTA Blood)	0.25	$10^3 / \mu l$	0.04 - 0.44
Absolute Monocyte Count (EDTA Blood)	0.44	10^3 / μl	< 1.0
Absolute Basophil count (EDTA Blood)	0.05	10^3 / μl	< 0.2
Platelet Count (EDTA Blood)	384	10^3 / μl	150 - 450
MPV (Blood)	7.6	fL	8.0 - 13.3
PCT (Automated Blood cell Counter)	0.29	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate) (Citrated Blood)	17	mm/hr	< 20
Glucose Fasting (FBS) (Plasma - F/GOD-PAP)	98.36	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) Negative (Urine - F/GOD - POD)







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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
Blood Urea Nitrogen (BUN) (Serum/Urease UV / derived)	6.3	mg/dL	7.0 - 21
Creatinine (Serum/Modified Jaffe)	0.61	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 etc.

etc.	ensin ii receptor a	antagomsis, in-acetylcyteme, chemomerapo	eutic agent such as fluc
Uric Acid (Serum/Enzymatic)	3.27	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)	0.25	mg/dL	0.0 - 0.3
Bilirubin(Indirect) (Serum/Derived)	0.37	mg/dL	0.1 - 1.0
SGOT/AST (Aspartate Aminotransferase) (Serum/Modified IFCC)	16.93	U/L	5 - 40
SGPT/ALT (Alanine Aminotransferase) (Serum/Modified IFCC)	17.20	U/L	5 - 41
GGT(Gamma Glutamyl Transpeptidase) (Serum/IFCC / Kinetic)	32.40	U/L	< 38
Alkaline Phosphatase (SAP) (Serum/Modified IFCC)	70.9	U/L	42 - 98
Total Protein (Serum/Biuret)	6.83	gm/dl	6.0 - 8.0
Albumin (Serum/Bromocresol green)	4.27	gm/dl	3.5 - 5.2







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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
Globulin (Serum/Derived)	2.56	gm/dL	2.3 - 3.6
A : G RATIO (Serum/Derived) <u>Lipid Profile</u>	1.67		1.1 - 2.2
Cholesterol Total (Serum/CHOD-PAP with ATCS)	128.29	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/GPO-PAP with ATCS)	117.31	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 (Serum/Immunoinhibition)	40.70	mg/dL	Optimal(Negative Risk Factor): >= 60 Borderline: 50 - 59 High Risk: < 50
LDL Cholesterol (Serum/Calculated)	64.1	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >= 190
VLDL Cholesterol (Serum/Calculated)	23.5	mg/dL	< 30







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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
Non HDL Cholesterol (Serum/Calculated)	87.6	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.

Total Cholesterol/HDL Cholesterol	3.2	Optimal: < 3.3
Ratio		Low Risk: 3.4 - 4.4
(Serum/Calculated)		Average Risk: 4.5 - 7.1
		Moderate Risk: 7.2 - 11.0
		High Risk: > 11.0
Triglyceride/HDL Cholesterol Ratio	2.9	Optimal: < 2.5
(TG/HDL)		Mild to moderate risk: 2.5 - 5.0
(Serum/Calculated)		High Risk: > 5.0
LDL/HDL Cholesterol Ratio	1.6	Optimal: 0.5 - 3.0
(Serum/Calculated)		Borderline: 3.1 - 6.0
		High Risk: $> 6.0$

## Glycosylated Haemoglobin (HbA1c)

HbA1C 5.4 % Normal: 4.5 - 5.6 Prediabetes: 5.7 - 6.4 (Whole Blood/HPLC) 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 108.28 mg/dL

(Whole Blood)







**APPROVED BY** 

The results pertain to sample tested.

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Investigation Observed Unit Biological Value Reference Interval

#### **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 1.53 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 11.21  $\mu g/dl$  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) 3.37 µIU/mL 0.35 - 5.50

(Serum/ECLIA)

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







APPROVED BY

The results pertain to sample tested.

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Lab Address: BANGALORE REFERENCE LABORATORY-CLUMAX DIAGNOSTIC AND RESEARCH CENTRE PVT LTD. (A UNIT OF MEDALL HEALTHCARE PVT. LTD.),Old No66 & New No 1, 2nd Main Road, Bashyam Circle, Sankey Cross Road Malleswaram, Gayathri Devi Park Extension, Kodandarampura, Sadashiva Nagar, Bengaluru, Karnataka-560003,.

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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> Reference Interval
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)	6		4.5 - 8.0
Specific Gravity (Urine)	1.003		1.002 - 1.035
Ketone (Urine)	Negative		Negative
Urobilinogen (Urine)	Normal		Normal
Blood (Urine)	Negative		Negative
Nitrite (Urine)	Negative		Negative
Bilirubin (Urine)	Negative		Negative
Protein (Urine)	Negative		Negative
Glucose	Negative		Negative







The results pertain to sample tested.

(Urine/GOD - POD)

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(Urine)

Investigation	Observed Value	<u>Unit</u>	Biological Reference Interval
Leukocytes(CP) (Urine)	Negative		
,			
MICROSCOPIC EXAMINATION			
(URINE COMPLETE)			
Pus Cells (Urine)	0-1	/hpf	NIL
Epithelial Cells	0-1	/hpf	NIL
(Urine)			
RBCs	NIL	/HPF	NIL
(Urine)			
Others	NIL		

**INTERPRETATION:** Note: Done with Automated Urine Analyser & Automated urine sedimentation analyser. All abnormal reports are reviewed and confirmed microscopically.

Casts NIL /hpf NIL (Urine)

Crystals (Urine)

NIL /hpf NIL (Urine)







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**Type** 

<u>Observed</u> <u>Unit</u> **Investigation** <u>Biological</u>

**Value** 

**URINE ROUTINE** 





Reference Interval

**APPROVED BY** 

-- End of Report --

Name	MRS.MAMATHA S	ID	MED122431904
Age & Gender	28Y/FEMALE	Visit Date	29 Jan 2024
Ref Doctor Name	MediWheel	-	

## ABDOMINO-PELVIC ULTRASONOGRAPHY

**LIVER** is normal in shape, size (11.9 cm) and has uniform echopattern. No evidence of focal lesion or intrahepatic biliary ductal dilatation. Hepatic and portal vein radicals are normal.

**GALL BLADDER** is partially distended. CBD is not dilated.

**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.

**Left kidney:** Normal in shape, size and echopattern. Cortico-medullary differentiation is well madeout. A calculus measuring 8.4 mm is seen in the mid calyx. No evidence of hydronephrosis.

The kidney measures as follows:

_	Bipolar length (cms)	Parenchymal thickness (cms)
Right Kidney	10.5	1.3
Left Kidney	11.1	1.5

**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 - 8.2 mm.

Uterus measures LS: 5.7 cms AP: 4.2 cms TS: 5.3 cms.

**OVARIES** are normal in size, shape and echotexture

Right ovary measures 3.5 x 1.6 cm Left ovary measures 4.2 x 1.8 cm

Mild free fluid is seen in POD & adnexa are free.

### **IMPRESSION:**

- Nonobstructive left renal calculus.
- No other significant abnormality detected.

Name	MRS.MAMATHA S	ID	MED122431904
Age & Gender	28Y/FEMALE	Visit Date	29 Jan 2024
Ref Doctor Name	MediWheel	-	

# DR. HEMANANDINI V.N CONSULTANT RADIOLOGIST Hn/Mi

Name	MRS.MAMATHA S	ID	MED122431904
Age & Gender	28Y/FEMALE	Visit Date	29 Jan 2024
Ref Doctor Name	MediWheel	-	

## **2D ECHOCARDIOGRAPHIC STUDY**

## **M-mode measurement:**

1.94 **AORTA** cms. LEFT ATRIUM 2.61 cms. **AVS** 1.47 cms. LEFT VENTRICLE (DIASTOLE) 3.56 cms. (SYSTOLE) 1.71 cms. **VENTRICULAR SEPTUM** (DIASTOLE) 0.99 cms. (SYSTOLE) 1.13 cms. POSTERIOR WALL (DIASTOLE) 1.08 cms. (SYSTOLE) 1.22 cms. **EDV** 62 ml. **ESV** 8 ml. FRACTIONAL SHORTENING 61 % **EJECTION FRACTION** 60 % \*\*\* **EPSS** cms. **RVID** 1.80 cms.

# **DOPPLER MEASUREMENTS:**

MITRAL VALVE: E - 0.8 m/s A - 0.6 m/s NO MR.

AORTIC VALVE: 1.1 m/s NO AR.

TRICUSPID VALVE: E - 0.4 m/s A - 0.3 m/s NO TR.

PULMONARY VALVE: 0.8 m/s NO PR.

Name	MRS.MAMATHA S	ID	MED122431904
Age & Gender	28Y/FEMALE	Visit Date	29 Jan 2024
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.MAMATHA S	ID	MED122431904
Age & Gender	28Y/FEMALE	Visit Date	29 Jan 2024
Ref Doctor Name	MediWheel	-	-

Name	MRS. MAMATHA S	Customer ID	MED122431904
Age & Gender	28Y/F	Visit Date	Jan 29 2024 9:32AM
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.S.SHWETHA.,MDRD, CONSULTANT RADIOLOGIST

# OPTICAL STORE

Unique Collection

Ph: 9611444957

Vyalikaval Main road No.12 Lakshmi Nilaya, Ground Floor, 2nd Main Road, Vyalikaval, Bengaluru Karnataka 560003

Name Mamatha-S

Ph No. 954221004 3

CHIEF COMPLAINTS

RE/LE/BE

DOV / Blurring / Eyeache / Burning

Itching / Pricking / Redness

Visual Activity:

		1	38	LE	
Dist	ance/ Near	6	16	6	4
	With PH			-04	
With	Glasses/CL		_	_	_

Coldr Vision: BE 2 Normal

		RE			LE			
	SPH	CAI	AXIS	VN	SPH	CYL	AXIS	VN
Distance	_	10	200	616	_	17/0		61
Near						4 100	10	010

Advise: Constant Use / Near Use / Distance Only

RAWHARH L. COORTOMETRIST Reg. No. 051619



Patient	Viamatha	Date	29	01	24.
Name Age	28488.	Visit Number	522	it a	0152
Sex	Jeruali.	Corporate	lu	diu	sheel

# GENERAL PHYSICAL EXAMINATION

Identification Mark:

Height:

cms

Weight: 53 to

kgs

Pulse: 78

/minute

Blood Pressure: 110 20

mm of Hg

: 22 BMI

BIMINTERPRETATION

Underweight = <18.5

Normal weight = 18.5-24.9

Overweight = 25-29.9

Chest :

Expiration -:

cms

inspiration :

cms

Abdomen Measurement :

cms

Ears:

Eyes: } ~ MOD
Throat:

RS: BU NOO

PA: 50/1-, BS 0

Neck nodes: Not palpalle

CVS: Silve

CNS: Conmois fall

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

NOTE : MEDICAL FIT FOR EMPLOYMENT YES / NO

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