PID No.
 : MED122195629
 Register On
 : 13/10/2023 7:58 AM

 SID No.
 : 522316142
 Collection On
 : 13/10/2023 9:24 AM

 Age / Sex
 : 35 Year(s) / Female
 Report On
 : 13/10/2023 6:36 PM

 Type
 : OP
 Printed On
 : 14/10/2023 9:13 AM

Ref. Dr : MediWheel

Investigation	Observed Value	<u>Unit</u>	Biological Reference Interval
Complete Blood Count With - ESR			
Haemoglobin (EDTA Blood'Spectrophotometry)	12.8	g/dL	12.5 - 16.0
Packed Cell Volume(PCV)/Haematocrit (EDTA Blood)	39.0	%	37 - 47
RBC Count (EDTA Blood)	4.43	mill/cu.mm	4.2 - 5.4
Mean Corpuscular Volume(MCV) (EDTA Blood)	88.2	fL	78 - 100
Mean Corpuscular Haemoglobin(MCH) (EDTA Blood)	29.0	pg	27 - 32
Mean Corpuscular Haemoglobin concentration(MCHC) (EDTA Blood)	32.9	g/dL	32 - 36
RDW-CV	14.3	%	11.5 - 16.0
RDW-SD	44.14	fL	39 - 46
Total Leukocyte Count (TC) (EDTA Blood)	6900	cells/cu.m m	4000 - 11000
Neutrophils (Blood)	51.9	%	40 - 75
Lymphocytes (Blood)	22.8	%	20 - 45
Eosinophils (Blood)	17.3	%	01 - 06
Monocytes (Blood)	7.0	%	01 - 10
Basophils (Blood)	1.0	%	00 - 02





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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> Reference Interval
INTERPRETATION: Tests done on Automated Fi	ve Part cell counter. Al	l abnormal results are r	eviewed and confirmed microscopically.
Absolute Neutrophil count (EDTA Blood)	3.58	10^3 / μl	1.5 - 6.6
Absolute Lymphocyte Count (EDTA Blood)	1.57	10^3 / μl	1.5 - 3.5
Absolute Eosinophil Count (AEC) (EDTA Blood)	1.19	10^3 / μl	0.04 - 0.44
Absolute Monocyte Count (EDTA Blood)	0.48	10^3 / μl	< 1.0
Absolute Basophil count (EDTA Blood)	0.07	$10^3 / \mu l$	< 0.2
Platelet Count (EDTA Blood)	227	$10^3 / \mu l$	150 - 450
MPV (Blood)	10.9	fL	8.0 - 13.3
PCT (Automated Blood cell Counter)	0.25	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate) (Citrated Blood)	6	mm/hr	< 20
BUN / Creatinine Ratio	15.8		6.0 - 22.0
Glucose Fasting (FBS) (Plasma - F/GOD-PAP)	88.71	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) (Urine - F/GOD - POD)	Negative		Negative
Glucose Postprandial (PPBS) (Plasma - PP/GOD-PAP)	85.50	mg/dL	70 - 140





APPROVED BY

The results pertain to sample tested.

Page 2 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,.

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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)	10.0	mg/dL	7.0 - 21
Creatinine (Serum/Modified Jaffe)	0.63	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.

ctc.			
Uric Acid (Serum/Enzymatic)	4.20	mg/dL	2.6 - 6.0
Liver Function Test			
Bilirubin(Total) (Serum/DCA with ATCS)	0.46	mg/dL	0.1 - 1.2
Bilirubin(Direct) (Serum/Diazotized Sulfanilic Acid)	0.18	mg/dL	0.0 - 0.3
Bilirubin(Indirect) (Serum/Derived)	0.28	mg/dL	0.1 - 1.0
SGOT/AST (Aspartate Aminotransferase) (Serum/Modified IFCC)	18.49	U/L	5 - 40
SGPT/ALT (Alanine Aminotransferase) (Serum/Modified IFCC)	32.92	U/L	5 - 41
GGT(Gamma Glutamyl Transpeptidase) (Serum/IFCC / Kinetic)	10.13	U/L	< 38
Alkaline Phosphatase (SAP) (Serum/Modified IFCC)	98.8	U/L	42 - 98





APPROVED BY

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Page 3 of 8

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Investigation	Observed <u>Value</u>	<u>Unit</u>	Biological Reference Interval
Total Protein (Serum/Biuret)	6.35	gm/dl	6.0 - 8.0
Albumin (Serum/Bromocresol green)	4.53	gm/dl	3.5 - 5.2
Globulin (Serum/Derived)	1.82	gm/dL	2.3 - 3.6
A : G RATIO (Serum/Derived) <u>Lipid Profile</u>	2.49		1.1 - 2.2
Cholesterol Total (Serum/CHOD-PAP with ATCS)	158.08	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/GPO-PAP with ATCS)	60.00	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)	52.39	mg/dL	Optimal(Negative Risk Factor): >= 60 Borderline: 50 - 59 High Risk: < 50
LDL Cholesterol (Serum/Calculated)	93.7	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189





Very High: >= 190

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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
VLDL Cholesterol (Serum/Calculated)	12	mg/dL	< 30
Non HDL Cholesterol (Serum/Calculated)	105.7	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 Ratio (Serum/Calculated)	3		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)	1.1		Optimal: < 2.5 Mild to moderate risk: 2.5 - 5.0 High Risk: > 5.0
LDL/HDL Cholesterol Ratio (Serum/Calculated)	1.8		Optimal: 0.5 - 3.0 Borderline: 3.1 - 6.0 High Risk: > 6.0
Glycosylated Haemoglobin (HbA1c)			
HbA1C	5.0	%	Normal: 4.5 - 5.6

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

Estimated Average Glucose 96.8 mg/dL

(Whole Blood)

(Whole Blood/HPLC)





Prediabetes: 5.7 - 6.4

Diabetic: ≥ 6.5

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

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.

THYROID PROFILE / TFT

T3 (Triiodothyronine) - Total 1.08 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 $6.04 \mu g/dl$ 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) 1.49 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&lt 0.03 µIU/mL need to be clinically correlated due to presence of rare TSH variant in some individuals.

URINE ROUTINE





APPROVED BY

The results pertain to sample tested.

Page 6 of 8

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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
PHYSICAL EXAMINATION (URINE COMPLETE)			
Colour (Urine)	Yellow		Yellow to Amber
Appearance (Urine)	Clear		Clear
Volume(CLU) (Urine)	20		
<u>CHEMICAL EXAMINATION (URINE</u> <u>COMPLETE)</u>			
pH (Urine)	6.0		4.5 - 8.0
Specific Gravity (Urine)	1.022		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 (Urine/GOD - POD)	Negative		Negative





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(Urine) Crystals

(Urine)

Investigation	Observed Value	<u>Unit</u>	Biological Reference Interval
Leukocytes(CP)	Negative		
(Urine)			
MICROSCOPIC EXAMINATION (URINE COMPLETE)			
Pus Cells	0-2	/hpf	NIL
(Urine)		-	
Epithelial Cells	0-2	/hpf	NIL
(Urine)			
RBCs	NIL	/hpf	NIL
(Urine)			
Others	NIL		
(Urine)			
INTERPRETATION: Note: Done with Automated reviewed and confirmed microscopically.	Urine Analyser & Auto	omated urine sedime	entation analyser. All abnormal reports are
Casts	NIL	/hpf	NIL





NIL

-- End of Report --

NIL

/hpf

Name	MS.MAMTA DEVI	ID	MED122195629
Age & Gender	35Y/FEMALE	Visit Date	13 Oct 2023
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. No evidence of calculus or hydronephrosis.

The kidney measures as follows:

·	Bipolar length (cms)	Parenchymal thickness (cms)
Right Kidney	11.3	1.4
Left Kidney	11.7	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 - 12.6 mm.

Uterus measures LS: 6.0 cms AP: 4.4 cms TS: 5.9 cms.

OVARIES are normal in size, shape and echotexture

Right ovary measures 3.9 x 2.4 cm Left ovary measures 3.7 x 2.6 cm

POD & adnexa are free.

No evidence of ascites.

IMPRESSION:

• No significant abnormality detected.

Name	MS.MAMTA DEVI	ID	MED122195629
Age & Gender	35Y/FEMALE	Visit Date	13 Oct 2023
Ref Doctor Name	MediWheel	-	

DR. HEMANANDINI V.N CONSULTANT RADIOLOGIST

Hn/Mi

Name	MS.MAMTA DEVI	ID	MED122195629
Age & Gender	35Y/FEMALE	Visit Date	13 Oct 2023
Ref Doctor Name	MediWheel		

2D ECHOCARDIOGRAPHIC STUDY

M-mode measurement:

AORTA 2.31 cms. LEFT ATRIUM 2.99 cms. **AVS** 1.47 cms. LEFT VENTRICLE (DIASTOLE) 4.40 cms. (SYSTOLE) 2.81 cms. **VENTRICULAR SEPTUM** (DIASTOLE) 0.90 cms. (SYSTOLE) 1.13 cms. **POSTERIOR WALL** (DIASTOLE) 1.09 cms. (SYSTOLE) 1.59 cms. **EDV** 31 ml. **ESV** 16 ml. % FRACTIONAL SHORTENING 38 **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	MS.MAMTA DEVI	ID	MED122195629
Age & Gender	35Y/FEMALE	Visit Date	13 Oct 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	MS.MAMTA DEVI	ID	MED122195629
Age & Gender	35Y/FEMALE	Visit Date	13 Oct 2023
Ref Doctor Name	MediWheel		

Name	Ms. MAMTA DEVI	Customer ID	MED122195629
Age & Gender	35Y/F	Visit Date	Oct 13 2023 7:58AM
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 KARTHIK VIJAY DATTANI. MD., PDCC 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 Monta Devi

Ph No.

CHIEF COMPLAINTS

RE/LE/BE:

DOV / Blurring / Eyeache / Burning Itching / Pricking / Redness

Visual Activity:

	-	RE		s E
Distance/ Near	6	6	6	15
. With PH	1	-	1	-
With Glasses/Cl				

Color Vision: BE= Normal

			RE			ı	.£	
	SPH	CYL	AXIS	YN.	SPH	CYL	AXIS	VN
Distance		HI.	-	6/6	-41	7	-	11
Near				0,0		(a.		Plie

Advise: Constant Use / Near Use / Distance Only

Ravikumar Ettel 23

Refresh terseld

Patient Name	Manta Devi	Date	13/10/2023
Age	35425	Visit Number	522316142
Sex	Female	Corporate	Mediwhee/

cms

GENERAL PHYSICAL EXAMINATION

Idan	tification	Mark .
iue	uncation	IVIAIN .

Height:

Weight: 73.9 kgs

Pulse: /minute

Blood Pressure: 110770 mm of Hg

BMI

BMI INTERPRETATION

Underweight = <18.5Normal weight = 18.5-24.9

Overweight = 25-29.9

Chest:

Expiration: 97 cms

Inspiration: 92 cms

Abdomen Measurement : 949 cms

Ears:

Throat: PAD

RS: B/L varangen weepts

PA: Soft BF Neck nodes:

CVS:

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

CNS:

NOTE : MEDICAL FIT FOR EMPLOYMENT YES / NO

Signature

Dr. RITESH RAJ, MBBS General Physician & Diabetologies KMC Reg. No: 85875

