Name	: Ms. USHA	
PID No.	: MED111268677	Register On : 27/08/2022 8:43 AM
SID No.	: 922046188	Collection On : 27/08/2022 9:14 AM
Age / Sex	: 33 Year(s) / Female	<b>Report On</b> : 27/08/2022 9:45 PM
Туре	: OP	Printed On : 28/08/2022 3:16 PM
Ref. Dr	: MediWheel	

Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
<b>HAEMATOLOGY</b>			
<b>Complete Blood Count With - ESR</b>			
Haemoglobin (EDTA Blood/Spectrophotometry)	7.9	g/dL	12.5 - 16.0
Packed Cell Volume(PCV)/Haematocrit (EDTA Blood)	28.3	%	37 - 47
RBC Count (EDTA Blood)	4.72	mill/cu.mm	4.2 - 5.4
Mean Corpuscular Volume(MCV) (EDTA Blood)	59.9	fL	78 - 100
Mean Corpuscular Haemoglobin(MCH) (EDTA Blood)	16.7	pg	27 - 32
Mean Corpuscular Haemoglobin concentration(MCHC) (EDTA Blood)	27.9	g/dL	32 - 36
RDW-CV (EDTA Blood)	20.1	%	11.5 - 16.0
RDW-SD (EDTA Blood)	42.14	fL	39 - 46
Total Leukocyte Count (TC) (EDTA Blood)	7400	cells/cu.mm	4000 - 11000
Neutrophils (EDTA Blood)	50.6	%	40 - 75
Lymphocytes (EDTA Blood)	33.7	%	20 - 45
Eosinophils (EDTA Blood)	5.1	%	01 - 06





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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> Reference Interval
Monocytes (EDTA Blood)	9.1	%	01 - 10
Basophils (EDTA Blood)	1.5	%	00 - 02
INTERPRETATION: Tests done on Automated Five P	art cell counter. All a	abnormal results are	reviewed and confirmed microscopically.
Absolute Neutrophil count (EDTA Blood)	3.74	10^3 / µl	1.5 - 6.6
Absolute Lymphocyte Count (EDTA Blood)	2.49	10^3 / µl	1.5 - 3.5
Absolute Eosinophil Count (AEC) (EDTA Blood)	0.38	10^3 / µl	0.04 - 0.44
Absolute Monocyte Count (EDTA Blood)	0.67	10^3 / µl	< 1.0
Absolute Basophil count (EDTA Blood)	0.11	10^3 / µl	< 0.2
Platelet Count (EDTA Blood)	480	10^3 / µl	150 - 450
MPV (EDTA Blood)	6.9	fL	8.0 - 13.3
PCT (EDTA Blood/Automated Blood cell Counter)	0.33	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate) (EDTA Blood)	25	mm/hr	< 20



Sr.Consultant Pathologist Reg No : 100674

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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
<b>BIOCHEMISTRY</b>			
Liver Function Test			
Bilirubin(Total) (Serum/DCA with ATCS)	0.40	mg/dL	0.1 - 1.2
Bilirubin(Direct) (Serum/Diazotized Sulfanilic Acid)	0.14	mg/dL	0.0 - 0.3
Bilirubin(Indirect) (Serum/Derived)	0.26	mg/dL	0.1 - 1.0
SGOT/AST (Aspartate Aminotransferase) (Serum/ <i>Modified IFCC</i> )	20.24	U/L	5 - 40
SGPT/ALT (Alanine Aminotransferase) (Serum/ <i>Modified IFCC</i> )	15.45	U/L	5 - 41
GGT(Gamma Glutamyl Transpeptidase) (Serum/IFCC / Kinetic)	15.16	U/L	< 38
Alkaline Phosphatase (SAP) (Serum/ <i>Modified IFCC</i> )	93.1	U/L	42 - 98
Total Protein (Serum/Biuret)	8.50	gm/dl	6.0 - 8.0
Albumin (Serum/Bromocresol green)	4.48	gm/dl	3.5 - 5.2
Globulin (Serum/Derived)	4.02	gm/dL	2.3 - 3.6
A : G RATIO (Serum/Derived)	1.11		1.1 - 2.2



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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
<u>Lipid Profile</u>			
Cholesterol Total (Serum/CHOD-PAP with ATCS)	121.94	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/ <i>GPO-PAP with ATCS</i> )	73.46	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)	35.15	mg/dL	Optimal(Negative Risk Factor): >= 60 Borderline: 50 - 59 High Risk: < 50
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)	14.7	mg/dL	< 30
Non HDL Cholesterol (Serum/ <i>Calculated</i> )	86.8	mg/dL	Optimal: < 130 Above Optimal: 130 - 159 Borderline High: 160 - 189 High: 190 - 219 Very High: >= 220



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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
<b>INTERPRETATION:</b> 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)	3.5		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/ <i>Calculated</i> )	2.1		Optimal: < 2.5 Mild to moderate risk: 2.5 - 5.0 High Risk: > 5.0
LDL/HDL Cholesterol Ratio (Serum/Calculated)	2.1		Optimal: 0.5 - 3.0 Borderline: 3.1 - 6.0 High Risk: > 6.0



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Investigation Glycosylated Haemoglobin (HbA1c)	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
HbA1C (Whole Blood/ <i>HPLC</i> )	5.9	%	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	122.63	mg/dL

(Whole Blood)

#### **INTERPRETATION:** Comments

HbA1c provides an index of Average Blood Glucose levels over the past8 - 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.



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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> Reference Interval
<b>IMMUNOASSAY</b>			
<u>THYROID PROFILE / TFT</u>			
T3 (Triiodothyronine) - Total (Serum/ <i>ECLIA</i> )	1.41	ng/ml	0.7 - 2.04
<b>INTERPRETATION:</b> <b>Comment :</b> Total T3 variation can be seen in other condition like preg Metabolically active.	gnancy, drugs, neph	rosis etc. In such cas	es, Free T3 is recommended as it is
T4 (Tyroxine) - Total (Serum/ <i>ECLIA</i> )	7.26	µg/dl	4.2 - 12.0
<b>INTERPRETATION:</b> <b>Comment :</b> Total T4 variation can be seen in other condition like preg Metabolically active.	nancy, drugs, neph	rosis etc. In such cas	es, Free T4 is recommended as it is
TSH (Thyroid Stimulating Hormone) (Serum/ECLIA)	1.67	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 Iodi 2.TSH Levels are subject to circadian variation, reaching of the order of 50%,hence time of the day has influence of	peak levels betwee	n 2-4am and at a mir	imum between 6-10PM. The variation can be

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

Dr Anusha.K.S

Sr.Consultant Pathologist Reg No : 100674

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Investigation	<u>Observed</u> <u>Value</u>	Unit	<u>Biological</u> Reference Interval
<b>CLINICAL PATHOLOGY</b>			
<u>PHYSICAL EXAMINATION (URINE</u> <u>COMPLETE)</u>			
Colour (Urine)	Pale yellow		Yellow to Amber
Appearance (Urine)	Clear		Clear
Volume(CLU) (Urine)	15		
<u>CHEMICAL EXAMINATION (URINE</u> <u>COMPLETE)</u>			
pH (Urine)	5		4.5 - 8.0
Specific Gravity (Urine)	1.012		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



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The results pertain to sample tested.

Page 8 of 11

Name	: Ms. USHA	
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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> Reference Interval
Glucose (Urine/GOD - POD)	Negative		Negative
Leukocytes(CP) (Urine)	Negative		
<u>MICROSCOPIC EXAMINATION</u> (URINE COMPLETE)			
Pus Cells (Urine)	0-2	/hpf	NIL
Epithelial Cells (Urine)	0-1	/hpf	NIL
RBCs (Urine)	Nil	/HPF	NIL
Others (Urine)	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	Nil	/hpf	NIL
(Urine)			



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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
<b>BIOCHEMISTRY</b>			
BUN / Creatinine Ratio	16.14		6.0 - 22.0
Glucose Fasting (FBS) (Plasma - F/GOD-PAP)	91.78	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		Negative
(Urine - F/GOD - POD)			
Glucose Postprandial (PPBS)	97.38	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)	9.2	mg/dL	7.0 - 21
Creatinine	0.57	mg/dL	0.6 - 1.1

#### (Serum/Modified Jaffe)

**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	4.26	mg/dL	2.6 - 6.0
(Serum/ <i>Enzymatic</i> )			



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**Investigation** 

<u>Observed</u> <u>Value</u> <u>Unit</u>

Biological Reference Interval

# **IMMUNOHAEMATOLOGY**

BLOOD GROUPING AND Rh TYPING (EDTA Blood/Agglutination)

'O' 'Positive'

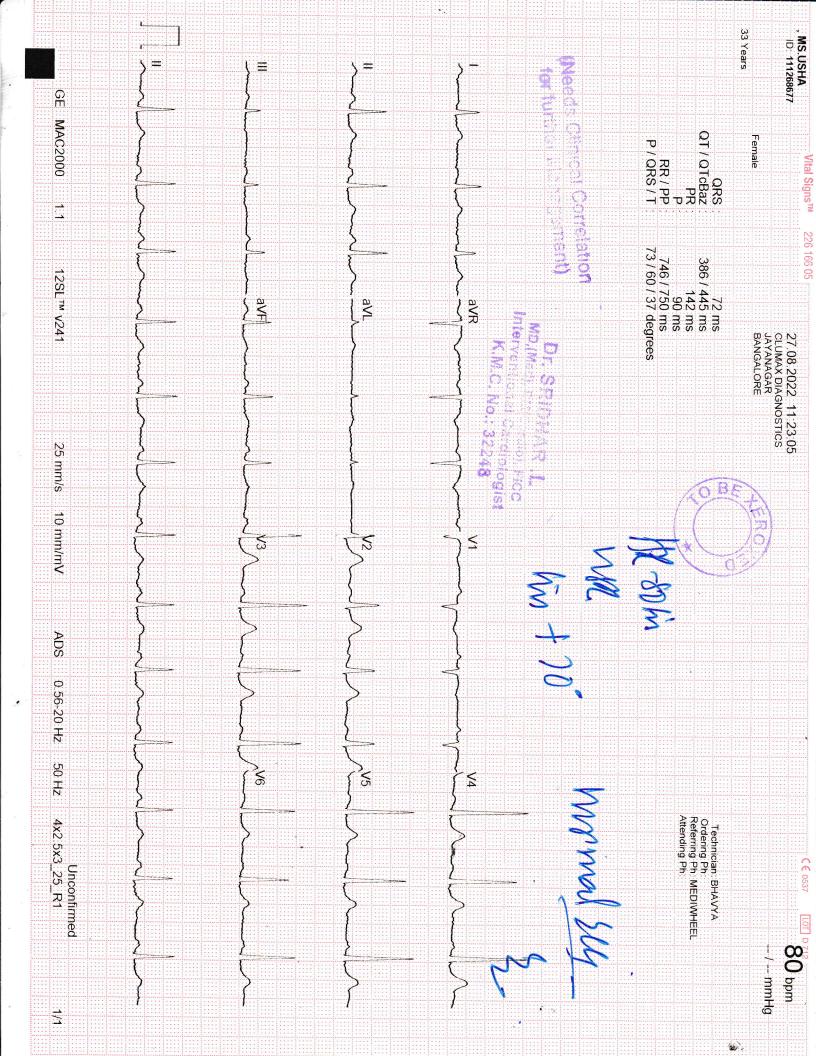


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-- End of Report --





Name	MS.USHA	ID	MED111268677
Age & Gender	33Y/FEMALE	Visit Date	27/08/2022
Ref Doctor	MediWheel		

# **2D ECHOCARDIOGRAPHIC STUDY**

<u>M mode measurement:</u>			-	
AORTA		:	3.43	cms
LEFT ATRIUM		•	2.49	cms
AVS		:	1.35	cms
LEFT VENTRICLE	(DIASTOLE)	:	4.41	cms
	(SYSTOLE)	:	3.02	cms
VENTRICULAR SEPTUM	(DIASTOLE)	:	0.98	cms
	(SYSTOLE)	:	1.55	cms
POSTERIOR WALL	(DIASTOLE)	:	1.31	cms
	(SYSTOLE)	:	2.78	cms
EDV		:	88	ml
ESV		;	35	ml
FRACTIONAL SHORTEN	ING	:	31	%
EJECTION FRACTION		:	60	%
EPSS		:		cms
RVID		:	1.88	cms
DOPPLER MEASUREMI	ENTS			·.
MITRAL VALVE	: 'E' -1.17m/s 'A' -0.74m/s	TRIV	IAL N	<b>I</b> R
AORTIC VALVE	:1.21 m/s	NO A	R	
TRICUSPID VALVE	: PASP : 22 mmHg	TRIV	TAL 7	R
PULMONARY VALVE	:0.84 m/s	NO P		
			· 3	

Please produce bill cop



MS.USHA	ID	
0.011/177710	ID	MED111268677
33Y/FEMALE	Visit Date	27/08/2022
MediWhee1		21/08/2022
	33Y/FEMALE	33Y/FEMALE ID   Visit Date

:2:

# **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 prolapse.
Aortic valve	:	Normal, Trileaflet
Tricuspid valve	:	Normal.
Pulmonary valve	:	Normal.
IAS	:	Intact.
IVS	:	Intact.
Pericardium	:	No Pericardial effusion.

### **IMPRESSION:**

TRIVIAL MITRAL REGURGITATION

> TRIVIAL TRICUSPID REGURGITATION. PASP 22 mmHg

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

(KINDLY CORRELATE CLINICALLY AND WITH ECG)

DR.SRIDHAR.L MD,DM,FICC. CONSULTANT CARDIOLOGIST Ls/ml Dr. SRIDHAR .L

MD.(Med), DURGamile), FIOC Interventional Cardiologist K.M.C. No.: 32248



# MEDALL CLUMAX DIAGNOSTICS

Customer Name	ms. Usha		Customer ID	MED 111268677
Age & Gender	33423	Female	Visit Date	27 108/2022

Eye Screening

With spectacles / without spectacles (strike out whichever is not applicable)

Right EyeLeft EyeNear VisionNC6Left EyeDistance Vision6666Colour VisionNeormalNeormal

Observation / Comments:

Jormal

CLUMAX DIAGNOSTICS & RESEARCH CENTRE PVT.LTD # 68/150/3, "Sri Lakshmi Towers" 9th Main, 3rd Block, Jayanagar BANGALORE - 560 011



Name	MS.USHA	ID	MED111268677
Age & Gender	33Y/FEMALE	Visit Date	27/08/2022
<b>Ref Doctor</b>	MediWheel		21/00/2022

# 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** show normal shape and has clear contents. 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.

The kidney measures as follows

ŝ	Bipolar length (cms)	Parenchymal thickness (cms)
Right Kidney	10.6	1.3
Left Kidney	9.7	1.5

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

UTERUS is anteverted and bulky in size.

It has uniform myometrial echopattern.

Endometrial echo is of normal thickness – 8.5mms. Uterus measures as follows:

LS: 10.1cms AP 4 3cm

S: 10.1cms AP: 4.3cms TS: 6.5cms.



..2



Name	MS.USHA	ID	MED111268677
Age & Gender	<b>33Y/FEMALE</b>	Visit Date	27/08/2022
<b>Ref Doctor</b>	MediWheel		

:2:

**OVARIES** are normal size, shape and echotexture Ovaries measures as follows: Right ovary: 3.4 x 1.6cms. Left ovary: 2.0 x 1.5cms.

POD & adnexa are free.

No evidence of ascites.

Impression: Bulky uterus.

CONSULTANT RADIOLOGISTS:

DR. MAHESH. M. S Hbp/d

DR. HIMA BINDU.P



÷ ...



Name	USHA	Customer ID	MED111268677
Age & Gender	33Y/F	Visit Date	Aug 27 2022 8:42AM
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: Essentially normal study.

DR. MAHESH M S CONSULTANT RADIOLOGIST

