PID No.
 : MED111981807
 Register On
 : 30/11/2023 8:42 AM

 SID No.
 : 923041112
 Collection On
 : 30/11/2023 9:13 AM

 Age / Sex
 : 51 Year(s) / Female
 Report On
 : 30/11/2023 6:09 PM

 Type
 : 0P
 Printed On
 : 01/12/2023 12:22 PM

Ref. Dr : MediWheel

Investigation  HAEMATOLOGY	Observed Value	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
Complete Blood Count With - ESR			
Haemoglobin	12.4	g/dL	12.5 - 16.0
(EDTA Blood/Spectrophotometry)	12	g, <b>u</b> .	12.5
Packed Cell Volume(PCV)/Haematocrit (EDTA Blood)	38.1	%	37 - 47
RBC Count (EDTA Blood)	4.71	mill/cu.mm	4.2 - 5.4
Mean Corpuscular Volume(MCV) (EDTA Blood)	80.9	fL	78 - 100
Mean Corpuscular Haemoglobin(MCH) (EDTA Blood)	26.4	pg	27 - 32
Mean Corpuscular Haemoglobin concentration(MCHC) (EDTA Blood)	32.6	g/dL	32 - 36
RDW-CV (EDTA Blood)	15.0	%	11.5 - 16.0
RDW-SD (EDTA Blood)	42.47	fL	39 - 46
Total Leukocyte Count (TC) (EDTA Blood)	7000	cells/cu.mm	4000 - 11000
Neutrophils (EDTA Blood)	48.5	%	40 - 75
Lymphocytes (EDTA Blood)	42.7	%	20 - 45
Eosinophils (EDTA Blood)	3.5	%	01 - 06
Monocytes (EDTA Blood)	4.8	%	01 - 10





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Basophils (EDTA Blood)	0.5	%	00 - 02
INTERPRETATION: Tests done on Automated Five I	Part cell counter. All	abnormal results are	reviewed and confirmed microscopically.
Absolute Neutrophil count (EDTA Blood)	3.40	10^3 / μl	1.5 - 6.6
Absolute Lymphocyte Count (EDTA Blood)	2.99	10^3 / μl	1.5 - 3.5
Absolute Eosinophil Count (AEC) (EDTA Blood)	0.24	10^3 / μl	0.04 - 0.44
Absolute Monocyte Count (EDTA Blood)	0.34	10^3 / μl	< 1.0
Absolute Basophil count (EDTA Blood)	0.04	10^3 / μl	< 0.2
Platelet Count (EDTA Blood)	327	10^3 / μl	150 - 450
MPV (EDTA Blood)	6.9	fL	8.0 - 13.3
PCT (EDTA Blood/Automated Blood cell Counter)	0.23	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate) (EDTA Blood)	41	mm/hr	< 30





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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> Reference Interval
<b>BIOCHEMISTRY</b>			
Liver Function Test			
Bilirubin(Total) (Serum/DCA with ATCS)	0.31	mg/dL	0.1 - 1.2
Bilirubin(Direct) (Serum/Diazotized Sulfanilic Acid)	0.15	mg/dL	0.0 - 0.3
Bilirubin(Indirect) (Serum/Derived)	0.16	mg/dL	0.1 - 1.0
SGOT/AST (Aspartate Aminotransferase) (Serum/Modified IFCC)	16.62	U/L	5 - 40
SGPT/ALT (Alanine Aminotransferase) (Serum/Modified IFCC)	17.24	U/L	5 - 41
GGT(Gamma Glutamyl Transpeptidase) (Serum/IFCC / Kinetic)	35.82	U/L	< 38
Alkaline Phosphatase (SAP) (Serum/Modified IFCC)	111.5	U/L	53 - 141
Total Protein (Serum/Biuret)	6.43	gm/dl	6.0 - 8.0
Albumin (Serum/Bromocresol green)	4.32	gm/dl	3.5 - 5.2
Globulin (Serum/ <i>Derived</i> )	2.11	gm/dL	2.3 - 3.6
A: GRATIO (Serum/Derived)	2.05		1.1 - 2.2





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Investigation	Observed <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
<u>Lipid Profile</u>			
Cholesterol Total (Serum/CHOD-PAP with ATCS)	220.10	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/GPO-PAP with ATCS)	415.85	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)	34.64	mg/dL	Optimal(Negative Risk Factor): >= 60 Borderline: 50 - 59 High Risk: < 50
LDL Cholesterol (Serum/Calculated)	102.3	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >= 190
VLDL Cholesterol (Serum/Calculated)	83.2	mg/dL	< 30
Non HDL Cholesterol (Serum/Calculated)	185.5	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.





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Investigation	Observed Value	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
Total Cholesterol/HDL Cholesterol Ratio (Serum/Calculated)	6.4		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)	12		Optimal: < 2.5 Mild to moderate risk: 2.5 - 5.0 High Risk: > 5.0
LDL/HDL Cholesterol Ratio (Serum/Calculated)	3		Optimal: 0.5 - 3.0 Borderline: 3.1 - 6.0 High Risk: > 6.0





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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
Glycosylated Haemoglobin (HbA1c)			
HbA1C (Whole Blood/HPLC)	5.8	%	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 119.76 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 HbAlc.





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InvestigationObserved<br/>ValueUnit<br/>Perference IntervalBiological<br/>Reference Interval

## **IMMUNOASSAY**

### THYROID PROFILE / TFT

T3 (Triiodothyronine) - Total 1.44 ng/ml 0.4 - 1.81

(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 9.48 μg/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) 9.79 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.





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InvestigationObservedUnitBiologicalValueReference Interval

# **CLINICAL PATHOLOGY**

# PHYSICAL EXAMINATION (URINE COMPLETE)

Colour Pale yellow Yellow to Amber

(Urine)

Appearance Clear Clear

(Urine)

Volume(CLU) 20

(Urine)

CHEMICAL EXAMINATION (URINE

**COMPLETE**)

pH 5.5 4.5 - 8.0

(Urine)

Specific Gravity 1.005 1.002 - 1.035

(Urine)

Ketone Negative Negative

(Urine)

Urobilinogen Normal Normal

(Urine)

Blood Negative Negative

(Urine)

Nitrite Negative Negative

(Urine)

Bilirubin Negative Negative

(Urine)

Protein Negative Negative

(Urine)

Glucose Negative Negative

(Urine/GOD - POD)





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Crystals

(Urine)

Investigation	Observed Value	<u>Unit</u>	<u>Biological</u> Reference Interval
Leukocytes(CP) (Urine)  MICROSCOPIC EXAMINATION (URINE COMPLETE)	Negative		
Pus Cells (Urine)	0-2	/hpf	NIL
Epithelial Cells (Urine)	0-1	/hpf	NIL
RBCs (Urine)	NIL	/HPF	NIL
Others (Urine)	NIL		
<b>INTERPRETATION:</b> Note: Done with Automated Uri reviewed and confirmed microscopically.	ne Analyser & Auton	nated urine sedim	entation analyser. All abnormal reports are
Casts (Urine)	NIL	/hpf	NIL



NIL

/hpf



NIL

**PID No.** : MED111981807

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Age / Sex : 51 Year(s) / Female

Type : OP

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Investigation	<u>Observed</u> <u>Unit</u> <u>Value</u>	<u>Biological</u> <u>Reference Interval</u>
PHYSICAL EXAMINATION(STOOL COMPLETE)		
Mucus (Stool)	Absent	Absent
Consistency	Semi Solid	Semi Solid to Solid

(Stool)

Yellow Brown Colour

(Stool)

Absent Absent Blood

(Stool)

(Stool)

## MICROSCOPIC EXAMINATION(STOOL **COMPLETE**)

Ova (Stool)	NIL		NIL
Cysts (Stool)	NIL		NIL
Trophozoites (Stool)	NIL		NIL
RBCs (Stool)	NIL	/hpf	Nil
Pus Cells (Stool)	0-1	/hpf	NIL
Others	NIL		

## CHEMICAL EXAMINATION(STOOL **ROUTINE**)

Alkaline Alkaline Reaction (Stool)

Negative Negative Reducing Substances

(Stool/Benedict's)





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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	16.4		6.0 - 22.0
Glucose Fasting (FBS) (Plasma - F/GOD-PAP)	94.86	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)	110.86	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)	12.6	mg/dL	7.0 - 21
Creatinine (Serum/Modified Jaffe)	0.77	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

Urio Aoid

Uric Acid **6.63** mg/dL 2.6 - 6.0

(Serum/Enzymatic)





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InvestigationObservedUnitBiologicalValueReference Interval

# **IMMUNOHAEMATOLOGY**

BLOOD GROUPING AND Rh TYPING

(EDTA Blood/Agglutination)

'A' 'Positive'





-- End of Report --



Name	Ms. SHAMPA GOSWAMI	Customer ID	MED111981807
Age & Gender	51Y/F	Visit Date	Nov 30 2023 8:42AM
Ref Doctor	MediWheel		

# X-RAY CHEST PA VIEW

Patient rotation is noted.

Bilateral lung fields appear normal.

Cardiac size is within normal limits.

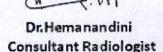
Bilateral hilar regions appear normal.

Bilateral domes of diaphragm and costophrenic angles are normal.

Visualised bones and soft tissues appear normal.

## IMPRESSION:

No significant abnormality detected.







# MEDALL CLUMAX DIAGNOSTICS

Customer Name	Nde Shampa	Customer ID	MED 111981807
Age & Gender	51 yrs Gernale	Visit Date	30-11-2023

Eye Screening

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

	Right Eye		Left Eye
Near Vision	K18	] - [	N8 .
Distance Vision	61.6	] [	6/6
Colour Vision			(N)

Observation / Comments:

cleur cesceup progreccine spectacles Nort Dyrs.
Normal vision
Ne comments





	MS.SHAMPA GOSWAMI	ID	MED111981807
Hame	51Y/FEMALE	Visit Date	30/11/2023
Age & Gender			
Dof Doctor	MediWheel		

# **2D ECHOCARDIOGRAPHY**

### Chambers

Left ventricle: normal in size, No RWMA at Rest.

Left Atrium : NormalRight Ventricle : NormalRight Atrium : Normal

## Septa

IVS : Intact IAS : Intact

## Valves

• Mitral Valve: Normal.

Tricuspid Valve: Normal, trace TR, No PAH
Aortic valve: Tricuspid, Normal Mobility

Pulmonary Valve : Normal

## **Great Vessels**

Aorta: Normal

Pulmonary Artery : Normal

Pericardium: Normal

# **Doppler Echocardiography**

Mitral valve	Е	0.86	m/sec	Α	0.69	m/sec	E/a: 1.25
Aortic Valve	V max	1.48	m/sec	PG	8.9	mm	
Diastolic	Dysfunction				NONE		





	COCWAMI	ID	MED111981807
Name	MS.SHAMPA GOSWAMI	Company of the Compan	30/11/2023
Age & Gender	51Y/FEMALE	Visit Date	30/11/2020
Ref Doctor	MediWheel		

:2:

## M - Mode Measurement

Parameter	Observed Valve	Normal Range	
Aorta	26	26-36	Mm
Left Atrium	27	27-38	Mm
IVS	11	09-11	Mm
Left Ventricle - Diastole	45	42-59	Mm
Posterior wall - Diastole	11	09-11	Mm
IVS - Systole	15	13 - 15	Mm
Left Ventricle - Systole	27	21-40	Mm
Posterior Wall - Systole	15	13-15	Mm
Ejection Fraction	60	->50	%

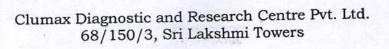
## **IMPRESSION:**

- NORMAL SIZED CARDIAC VALVES AND CHAMBERS
- NO RWMA'S AT REST
- NORMAL LV & RV SYSTOLIC FUNCTION LVEF 60%
- NORMAL DIASTOLIC FUNCTION
- NO PERICARDIAL EFFUSION / VEGETATION / CLOT.

DR RAMNARESH SOUDRI MD DM (CARDIOLOGY) FSCAI INTERVENTIONAL CARDIOLOGIST

Rs/s

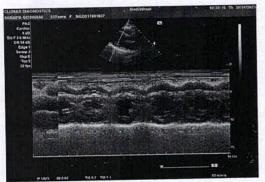


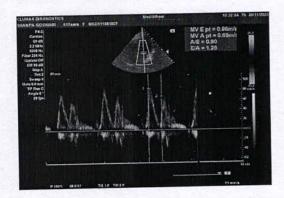


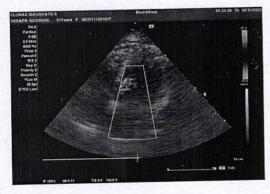


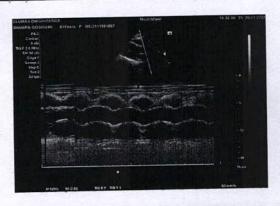
	MS.SHAMPA GOSWAMI	ID	MED111981807
Name			30/11/2023
Age & Gender	51Y/FEMALE	Visit Date	100/11/2020
Pef Doctor	MediWheel		



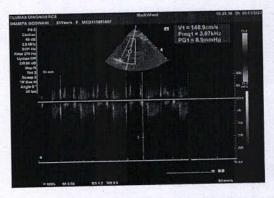




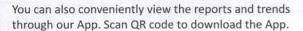














MS SHAMPA GOSWAMI 226 166 05 € 0537 76 bpm 30.11.2023 9:25:17 ID: 1119818107 CLUMAX DIAGNOSTICS JAYANAGAR -/-mmHgBANGALORE Female 51 Years QRS Technician: MEGHA Ordering Ph: Referring Ph: MEDIWHEEL 76 ms QT / QTcBaz 404 / 454 ms PR 150 ms Attending Ph 96 ms RR / PP 788 / 789 ms P/QRS/T: 63 / 36 / 41 degrees (Needs Clinical Correlation for further Management) Dr. Ramnaresh Soudri MD, DM (Cardiology) FSCAI Interventional Cardiologist KMC Reg. No: 81603 aVR 111 aVF Unconfirmed 1.1 12SL™ v241 1/1 GE MAC2000 25 mm/s 10 mm/mV ADS 0.56-20 Hz 4x2.5x3\_25\_R1 50 Hz