

 PID No.
 : MED111017302
 Register On
 : 12/03/2022 9:41 AM

 SID No.
 : 922015910
 Collection On
 : 12/03/2022 10:24 AM

 Age / Sex
 : 34 Year(s) / Male
 Report On
 : 13/03/2022 2:54 PM

(\*) MEDALL

Ref. Dr : MediWheel

Investigation	Observed Value	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
<b>HAEMATOLOGY</b>			
Complete Blood Count With - ESR			
Haemoglobin (EDTA Blood/Spectrophotometry)	15.1	g/dL	13.5 - 18.0
Packed Cell Volume(PCV)/Haematocrit (EDTA Blood/Derived from Impedance)	45.3	%	42 - 52
RBC Count (EDTA Blood/Impedance Variation)	4.99	mill/cu.mm	4.7 - 6.0
Mean Corpuscular Volume(MCV) (EDTA Blood/Derived from Impedance)	91.0	fL	78 - 100
Mean Corpuscular Haemoglobin(MCH) (EDTA Blood/Derived from Impedance)	30.2	pg	27 - 32
Mean Corpuscular Haemoglobin concentration(MCHC) (EDTA Blood/Derived from Impedance)	33.2	g/dL	32 - 36
RDW-CV (EDTA Blood/Derived from Impedance)	13.2	%	11.5 - 16.0
RDW-SD (EDTA Blood/Derived from Impedance)	42.4	fL	39 - 46
Total Leukocyte Count (TC) (EDTA Blood/Impedance Variation)	6600	cells/cu.mm	4000 - 11000
Neutrophils (EDTA Blood/Impedance Variation & Flow Cytometry)	57.7	%	40 - 75
Lymphocytes (EDTA Blood/Impedance Variation & Flow Cytometry)	29.8	%	20 - 45
Eosinophils (EDTA Blood/Impedance Variation & Flow Cytometry)	4.0	%	01 - 06



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<u>Investigation</u>	Observed <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
Monocytes (EDTA Blood/Impedance Variation & Flow Cytometry)	7.6	%	01 - 10
Basophils (EDTA Blood/Impedance Variation & Flow Cytometry)	0.9	%	00 - 02
Absolute Neutrophil count (EDTA Blood/Impedance Variation & Flow Cytometry)	3.8	10^3 / μl	1.5 - 6.6
Absolute Lymphocyte Count (EDTA Blood/Impedance Variation & Flow Cytometry)	2.0	10^3 / μl	1.5 - 3.5
Absolute Eosinophil Count (AEC) (EDTA Blood/Impedance Variation & Flow Cytometry)	0.30	10^3 / μl	0.04 - 0.44
Absolute Monocyte Count (EDTA Blood/Impedance Variation & Flow Cytometry)	0.5	10^3 / μl	< 1.0
Absolute Basophil count (EDTA Blood/Impedance Variation & Flow Cytometry)	0.1	10^3 / µl	< 0.2
Platelet Count (EDTA Blood/Impedance Variation)	264	10^3 / μl	150 - 450
MPV (EDTA Blood/Derived from Impedance)	9.8	fL	7.9 - 13.7
PCT (EDTA Blood/Automated Blood cell Counter)	0.258	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate) (EDTA Blood/Modified Westergren)	2	mm/hr	< 15



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Investigation	Observed Value	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
<b>BIOCHEMISTRY</b>			
Liver Function Test			
Bilirubin(Total) (Serum/Diazotized Sulfanilic Acid)	0.6	mg/dL	0.1 - 1.2
Bilirubin(Direct) (Serum/Diazotized Sulfanilic Acid)	0.2	mg/dL	0.0 - 0.3
Bilirubin(Indirect) (Serum/Derived)	0.4	mg/dL	0.1 - 1.0
Total Protein (Serum/Biuret)	8.0	gm/dL	6.0 - 8.0
Albumin (Serum/Bromocresol green)	5.2	gm/dL	3.5 - 5.2
Globulin (Serum/Derived)	2.8	gm/dL	2.3 - 3.6
A : G Ratio (Serum/Derived)	1.9		1.1 - 2.2
SGOT/AST (Aspartate Aminotransferase) (Serum/IFCC Kinetic)	24	U/L	5 - 40
SGPT/ALT (Alanine Aminotransferase) (Serum/IFCC / Kinetic)	27	U/L	5 - 41
Alkaline Phosphatase (SAP) (Serum/IFCC Kinetic)	72	U/L	53 - 128
GGT(Gamma Glutamyl Transpeptidase) (Serum/SZASZ standarised IFCC)	39	U/L	< 55



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Type : OP Printed On : 16/03/2022 7:39 PM

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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/Cholesterol oxidase/Peroxidase)	220	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/Glycerol phosphate oxidase / peroxidase)	196	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)	43	mg/dL	Optimal(Negative Risk Factor): >= 60 Borderline: 40 - 59 High Risk: < 40
LDL Cholesterol (Serum/Calculated)	137.8	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >= 190
VLDL Cholesterol (Serum/Calculated)	39.2	mg/dL	< 30
Non HDL Cholesterol (Serum/Calculated)	177.0	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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The results pertain to sample tested.

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Investigation	Observed <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
Total Cholesterol/HDL Cholesterol Ratio (Serum/Calculated)	5.1		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)	4.6		Optimal: < 2.5 Mild to moderate risk: 2.5 - 5.0 High Risk: > 5.0
LDL/HDL Cholesterol Ratio (Serum/Calculated)	3.2		Optimal: 0.5 - 3.0 Borderline: 3.1 - 6.0 High Risk: > 6.0



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Investigation	Observed Value	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
Glycosylated Haemoglobin (HbA1c)			
HbA1C (Whole Blood/HPLC)	5.7	%	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 116.89 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 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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	<u>Value</u>		Reference Interval

# **IMMUNOASSAY**

### THYROID PROFILE / TFT

T3 (Triiodothyronine) - Total 1.32 ng/mL 0.7 - 2.04

(Serum/CMIA)

### 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 (Thyroxine) - Total 7.45  $\mu g/dL$  4.2 - 12.0

(Serum/CMIA)

### 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) 1.53 µIU/mL 0.35 - 5.50

(Serum/Chemiluminescent Microparticle

Immunoassay(CMIA))

### 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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_	Value		Reference Interval

# **CLINICAL PATHOLOGY**

## **PHYSICAL EXAMINATION**

Colour	Pale Yellow		
(Urine)			
Appearance	Clear	Clea	ar
(Urine)			
Volume	15	mL	
(Urine)			
CHEMICAL EXAMINATION(Automated-			
<u>Urineanalyser)</u>			

pН	6.0	4.5 - 8.0
(Urine/AUTOMATED URINANALYSER)		
Specific Gravity	1.020	1.002 - 1.035
(Urine)		
Ketones	Negative	Negative
(Urine)		
TT 1'11'	0.2	0.0 1.0

Urobilinogen 0.2 0.2 - 1.0 (Urine/AUTOMATED URINANALYSER)

Blood Negative (Urine/AUTOMATED URINANALYSER)

Nitrite Negative Negative

(Urine/AUTOMATED URINANALYSER)

Bilirubin Negative (Urine/AUTOMATED URINANALYSER)

Negative

Protein Negative Negative

(Urine)
Glucose Negative Negative

(Urine)





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<u>Investigation</u>	Observed <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
Leukocytes (Urine)  MICROSCOPY(URINE DEPOSITS)	Negative	leuco/uL	Negative
Pus Cells (Urine/Flow cytometry)	0-1	/hpf	3-5
Epithelial Cells (Urine)	0-1	/hpf	1-2
RBCs (Urine/Flow cytometry)	Nil	/hpf	2-3
Others (Urine)	Nil		Nil
Casts (Urine/Flow cytometry)	Nil	/hpf	0 - 1
Crystals (Urine)	Nil		NIL





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Investigation BIOCHEMISTRY	Observed Value	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
BUN / Creatinine Ratio	8.9		6 - 22
Glucose Fasting (FBS) (Plasma - F/GOD - POD)	80	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)			
Glucose Postprandial (PPBS)	98	mg/dL	70 - 140
(Plasma - PP/GOD - POD)			

### **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.

Glucose Postprandial - Urine (Urine - PP)	Negative		Negative
Blood Urea Nitrogen (BUN) (Serum/ <i>Urease-GLDH</i> )	8 n	ng/dL	7.0 - 21
Creatinine (Serum/Jaffe Kinetic)	0.9 n	ng/dL	0.9 - 1.3

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.

3.5 - 7.2Uric Acid 6.4 mg/dL (Serum/Uricase/Peroxidase)



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InvestigationObservedUnitBiologicalValueReference Interval

# **IMMUNOHAEMATOLOGY**

BLOOD GROUPING AND Rh TYPING 'O' 'Positive'

 $(\hbox{EDTA Blood} Agglutination})$ 



**VERIFIED BY** 



**APPROVED BY** 

-- End of Report --



Name *	MR.SURENDRA REDDY	ID	MED111017302
Age & Gender	34Y/MALE	Visit Date	12/03/2022
Ref Doctor	MediWheel		

# **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

	Bipolar length (cms)	Parenchymal thickness (cms)
Right Kidney	8.7	1.2
Left Kidney	8.8	1.6

URINARY BLADDER show normal shape and wall thickness.

It has clear contents. No evidence of diverticula.

PROSTATE shows normal shape, size and echopattern.

No evidence of ascites.

Impression: Essentially normal study

CONSULTANT RADIOLOGISTS:

DR. H. K. ANAND

DR. PRAJNA SHENOY

DR. MAHESH. M. S

DR. RADHA KRISHNA. A.

DR. HIMA BINDU.P

Hbp/so





Name	SURENDRA REDDY	Customer ID	MED111017302
Age & Gender	34Y/M	Visit Date	Mar 12 2022 9:39AM
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.

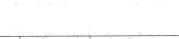
DR. H.K. ANAND

DR. POOJA B.P

DR. SHWETHA S

CONSULTANT RADIOLOGISTS

DR. PRAJNA SHENOY



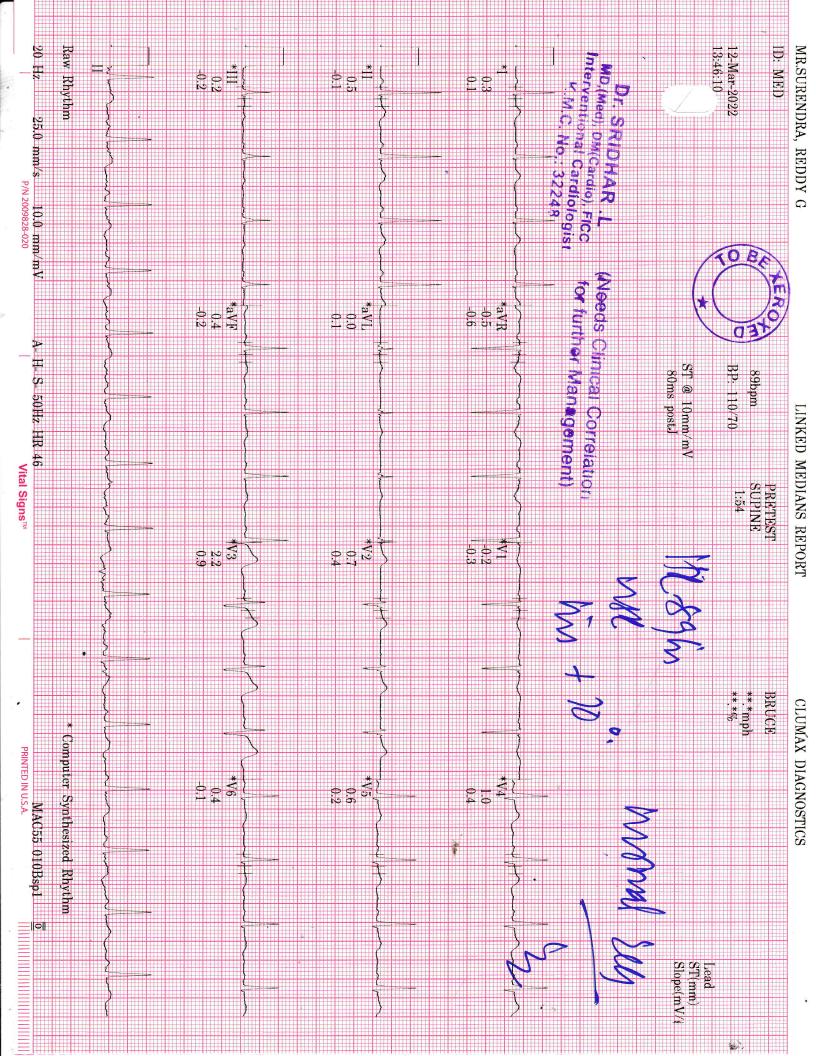
# TABULAR SUMMARY REPORT

Technician: MANJU	RECOVERY				EXERCISE	PRETEST	Phase Name		12-Mar-2022 13:44:17		MED MED G
	Post Post	· STAGE 4	STAGE 3	STAGE 2	STAGE 1	SUPINE	Stage Name	Referred by: C/O MEDIWHEEL Test ind: IHD SCREENING	,	34years	, KEUUY G
CLUMAX DIAGNOSTICS	4:57	1:10	3:00	3:00	3:00	11.48	Time in Stage	EL		Male	TA.
ά 	* *	4.2	33 4	2.51	-1	0.8	Speed (mph)	*#\\\	W C B	ZZ	B)
<u> </u>	* * *	16.0	14.0	12.0	10.0	0.0	Grade	MO ANGINA/ARKHYIHMIAS IMP:STRESS TEST IS NEGA ## NEEDS CLINICAL CORRI *** DR.SRIDHAR.L	Reason for Termination: Comments: GOOD EFF NO SIGNIFICANT ST-T	Max HR: 150bpm 80% Max BP: 130/70	BRUCE BRUCE
Unconfirmed .	1.0	12.0	10,1	-7 O	÷.	1.5	WorkLoad (METS)		ination: Patic DD EFFORT T NT ST-T CHAN	n 80% of max	21
MD.(Med.)	105	148	135	5	109	103	HR (bpm)	IVE FOR IN LATION FOR MID, DM, FICE	Patient fatigue RT TOLERANCE. THANGES SEEN	predicted 186bpm Maximum workload:	Total Exerci
MD.(Med), Dissignation, Fice K.M.C. No.: 32248	120/70	130/70	130/70			110/70	BP (mmHg)	NEGATIVE FOR INDUCIBLE ISCHEMIA.  CORRELATION FOR FURTHER MANAGEMENT  L MD.DM,FICC. CARDIOLOGIST ***	×4 [	6bpm orkload: 12.0METS	Total Exercise time: 10:10
NFICC 109ist 48 MAC55 010Bsp1	126	192	75.			=	RPP (x100)	HEMIA IANAGEMEN GIST ***	AND BP RES	IETS	
V TO SE NO S							),	##	SPONSE.	10.0 mm/mV 100hz	25.0 mm/s

P/N 2009828-020

Vital Signs™

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Customer Name	G. Surendia Reddy	Customer ID	111017302
Age & Gender	34 yrs mole	Visit Date	1210312

Eye Screening

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

Right Eye Left Eye Near Vision N6 Distance Vision Colour Vision

Observation / Comments:

Regd. No. 11301