

नाम Name जी मंजुनाथ G Manjunath

E.C. No.

156071





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धारक के हस्ताक्षर Signature of Holder

 PID No.
 : MED111017286
 Register On
 : 12/03/2022 9:37 AM

 SID No.
 : 922015907
 Collection On
 : 12/03/2022 10:33 AM

 Age / Sex
 : 51 Year(s) / Male
 Report On
 : 14/03/2022 2:40 PM

MED

Ref. Dr : MediWheel

Investigation	Observed Value	<u>Unit</u>	Biological Reference Interval
HAEMATOLOGY			
Complete Blood Count With - ESR			
Haemoglobin (EDTA Blood/Spectrophotometry)	14.2	g/dL	13.5 - 18.0
Packed Cell Volume(PCV)/Haematocrit (EDTA Blood/Derived from Impedance)	42.8	%	42 - 52
RBC Count (EDTA Blood/Impedance Variation)	4.84	mill/cu.mm	4.7 - 6.0
Mean Corpuscular Volume(MCV) (EDTA Blood/Derived from Impedance)	88.0	fL	78 - 100
Mean Corpuscular Haemoglobin(MCH) (EDTA Blood/Derived from Impedance)	29.3	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)	13.6	%	11.5 - 16.0
RDW-SD (EDTA Blood/Derived from Impedance)	41.89	fL	39 - 46
Total Leukocyte Count (TC) (EDTA Blood/Impedance Variation)	3800	cells/cu.mm	4000 - 11000
Neutrophils (EDTA Blood/Impedance Variation & Flow Cytometry)	57.1	%	40 - 75
Lymphocytes (EDTA Blood/Impedance Variation & Flow Cytometry)	27.4	%	20 - 45
Eosinophils (EDTA Blood/Impedance Variation & Flow Cytometry)	5.5	%	01 - 06





: Mr. MANJUNATHA G Name

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Monocytes (EDTA Blood/Impedance Variation & Flow Cytometry)	9.4	%	01 - 10
Basophils (EDTA Blood/Impedance Variation & Flow Cytometry)	0.6	%	00 - 02
Absolute Neutrophil count (EDTA Blood/Impedance Variation & Flow Cytometry)	2.17	10^3 / μl	1.5 - 6.6
Absolute Lymphocyte Count (EDTA Blood/Impedance Variation & Flow Cytometry)	1.04	10^3 / μl	1.5 - 3.5
Absolute Eosinophil Count (AEC) (EDTA Blood/Impedance Variation & Flow Cytometry)	0.21	10^3 / μl	0.04 - 0.44
Absolute Monocyte Count (EDTA Blood/Impedance Variation & Flow Cytometry)	0.36	10^3 / μl	< 1.0
Absolute Basophil count (EDTA Blood/Impedance Variation & Flow Cytometry)	0.02	10^3 / μl	< 0.2
Platelet Count (EDTA Blood/Impedance Variation)	157	10^3 / µl	150 - 450
MPV (EDTA Blood/Derived from Impedance)	10.2	fL	7.9 - 13.7
PCT (EDTA Blood/Automated Blood cell Counter)	0.16	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate) (EDTA Blood/Modified Westergren)	8	mm/hr	< 20





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<u>Investigation</u>	Observed Value	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
BIOCHEMISTRY			
Liver Function Test			
Bilirubin(Total) (Serum/Diazotized Sulfanilic Acid)	0.7	mg/dL	0.1 - 1.2
Bilirubin(Direct) (Serum/Diazotized Sulfanilic Acid)	0.2	mg/dL	0.0 - 0.3
Bilirubin(Indirect) (Serum/Derived)	0.5	mg/dL	0.1 - 1.0
Total Protein (Serum/Biuret)	7.0	gm/dL	6.0 - 8.0
Albumin (Serum/Bromocresol green)	4.3	gm/dL	3.5 - 5.2
Globulin (Serum/Derived)	2.7	gm/dL	2.3 - 3.6
A : G Ratio (Serum/Derived)	1.6		1.1 - 2.2
SGOT/AST (Aspartate Aminotransferase) (Serum/IFCC Kinetic)	36	U/L	5 - 40
SGPT/ALT (Alanine Aminotransferase) (Serum/IFCC / Kinetic)	64	U/L	5 - 41
Alkaline Phosphatase (SAP) (Serum/IFCC Kinetic)	81	U/L	56 - 119
GGT(Gamma Glutamyl Transpeptidase) (Serum/SZASZ standarised IFCC)	38	U/L	< 55



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<u>Investigation</u>	Observed <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
<u>Lipid Profile</u>			
Cholesterol Total (Serum/Cholesterol oxidase/Peroxidase)	210	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/Glycerol phosphate oxidase / peroxidase)	206	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)	42	mg/dL	Optimal(Negative Risk Factor): >= 60 Borderline: 40 - 59 High Risk: < 40
LDL Cholesterol (Serum/Calculated)	126.8	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >= 190
VLDL Cholesterol (Serum/Calculated)	41.2	mg/dL	< 30
Non HDL Cholesterol (Serum/Calculated)	168.0	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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Investigation	Observed <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
Total Cholesterol/HDL Cholesterol Ratio (Serum/Calculated)	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/Calculated)	4.9		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 Glycosylated Haemoglobin (HbA1c)	Observed Value	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
HbA1C (Whole Blood/HPLC)	8.0	%	Normal: 4.5 - 5.6 Prediabetes: 5.7 - 6.4 Diabetic: >= 6.5

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

Estimated Average Glucose 182.9 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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<u>Investigation</u>	<u>Observed</u>	<u>Unit</u>	<u>Biological</u>
-	<u>Value</u>		Reference Interval

IMMUNOASSAY

THYROID PROFILE / TFT

T3 (Triiodothyronine) - Total 0.898 ng/mL 0.4 - 1.81

(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 6.53 μg/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) 8.35 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&lt 0.03 µIU/mL need to be clinically correlated due to presence of rare TSH variant in some individuals.



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

CLINICAL PATHOLOGY

PHYSICAL EXAMINATION

PHYSICAL EXAMINATION			
Colour (Urine)	Pale Yellow		
Appearance (Urine)	Clear		Clear
Volume (Urine)	10	mL	
CHEMICAL EXAMINATION(Automated- Urineanalyser)			
pH (Urine/AUTOMATED URINANALYSER)	5.0		4.5 - 8.0
Specific Gravity (Urine)	1.025		1.002 - 1.035
Ketones (Urine)	Negative		Negative
Urobilinogen (Urine/AUTOMATED URINANALYSER)	0.2		0.2 - 1.0

Blood Negative Negative

(Urine/AUTOMATED URINANALYSER)

Negative Negative

(Urine/AUTOMATED URINANALYSER)

Negative Bilirubin Negative

(Urine/AUTOMATED URINANALYSER)

Negative Negative Protein

(Urine)

Negative Glucose Negative

(Urine)





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Investigation	<u>Observed</u> <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)	2-3	/hpf	3-5
Epithelial Cells (Urine)	2-3	/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>	Biological Reference Interval
BUN / Creatinine Ratio	11		6 - 22
Glucose Fasting (FBS) (Plasma - F/GOD - POD)	102	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)	125	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/Urease-GLDH)	10	mg/dL	7.0 - 21
Creatinine (Serum/Jaffe Kinetic)	0.9	mg/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.

5.0 3.5 - 7.2Uric Acid mg/dL (Serum/*Uricase/Peroxidase*)



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Prostate: > 10.0

Investigation	Observed Value	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
IMMUNOASSAY			
Prostate specific antigen - Total(PSA) (Serum/Chemiluminescent Microparticle Immunoassay(CMIA))	0.664	ng/mL	Normal: 0.0 - 4.0 Inflammatory & Non Malignant conditions of Prostate & genitourinary system: 4.01 - 10.0 Suspicious of Malignant disease of

INTERPRETATION: Analytical sensitivity: 0.008 - 100 ng/mL

PSA is a tumor marker for screening of prostate cancer. Increased levels of PSA are associated with prostate cancer and benign conditions like bacterial infection, inflammation of prostate gland and benign hypertrophy of prostate/ benign prostatic hyperplasia (BPH).

Transient elevation of PSA levels are seen following digital rectal examination, rigorous physical activity like bicycle riding, ejaculation within 24 hours.

PSA levels tend to increase in all men as they age.

Clinical Utility of PSA:

- •In the early detection of Prostate cancer.
- •As an aid in discriminating between Prostate cancer and Benign Prostatic disease.
- •To detect cancer recurrence or disease progression.



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MEDALL

InvestigationObservedUnitBiologicalValueReference Interval

IMMUNOHAEMATOLOGY

BLOOD GROUPING AND Rh TYPING 'O' 'Positive'

 $(\hbox{EDTA Blood} Agglutination)$



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-- End of Report --



Name	MR.MANJUNATHA G	ID	MED111017286
Age & Gender	51Y/MALE	Visit Date	12/03/2022
Ref Doctor	MediWheel		1

ABDOMINO-PELVIC ULTRASONOGRAPHY

LIVER is normal in shape, size and has increased 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	10.5	1.2		
Left Kidney	10.2	1.5		

URINARY BLADDER show normal shape and wall thickness.

It has clear contents. No evidence of diverticula.

PROSTATE shows normal shape, size (wt-17.5gms) and echopattern.

No evidence of ascites.

Impression: Increased hepatic echopattern suggestive of fatty infiltration.

CONSULTANT RADIOLOGISTS:

DR. H. K. ANAND

DR. PRAJNA SHENOY

DR. MAHESH. M. S

DR. RADHA KRISHNA. A.

DR. HIMA BINDU.P

Hbp/so



Name	MANJUNATHA G	Customer ID	MED111017286
Age & Gender	51Y/M	Visit Date	Mar 12 2022 9:35AM
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.

CONSULTANT RADIOLOGISTS

DR. H.K. ANAND

DR. POOJA B.P

DR. SHWETHA S

DR. PRAJNA SHENOY

2 - 1

TABULAR SUMMARY REPORT

Technician: MANJU		RECOVERY	PRETEST	Phase Name	MR.MANJUNATH G
		STAGE 3	SUPINE STAGE 1 STAGE 2	Stage Name	H G 53years Referred by: C/O MEDIWHESL Test ind: IHD SCREENING
CLUMAX DIAGNOSTICS		2:02 7:20	3:37 3:00	Time in Stage	L Wale
Σά		* 3. * 4	2.5	Speed (mph)	* * = 2 2 6 5 5 2 2 5
C.		* 11 * 4 * 0	10.0 12.0	Grade	BRUCE Max HR: 151bpm 90% of Max BP: 140/80 Reason for Termination Comments: GOOD EFFC NO SIGNIFICANT ST-T NO ANGINA ARRHYTHA IMP:STRESS TEST IS N ## NEEDS CLINICAL CO **** DR:SRIDHARL
Uneconfirmed .	Monte Di Constitution de la cons	1.0.1	7.0 6 6	WorkLoad (METS)	1 90% of max 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Or. STRIBHAR L Vermonal Cardiologis	151 92	111.6 1133	(bpm)	of max predicted 157bpm Maximum workload: 10.1METS TOTAL TOLERANCE NORMAL HR AND BP RESPONT CHANGES SEEN DURING EXERCISE & RECOVE HMIAS: NEGATIVE FOR INDUCIBLE ISCHEMIA CORRELLATION FOR FURTHER MANAGEMENT ## L MD.DM.FICC CARDIOLOGIST ****
MAC55 009C	10 8 c	140/80	110/80 120/80 140/80	BP (mmHg)	ime: 8:02 m coad: 10.11METS RMAL HR AND RING EXERCIS CIBLE ISCHEM RDIOLOGIST RDIOLOGIST
- 009 609 609	· (3)	2111	139	RPP (x100)	*ENT #
					# 25.0 mm/s 10.0 mm/mV 100hz ERY

P/N 2009828-020

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Customer Name	& Manjunalha	Customer ID	111017286
Age & Gender	53 M,	Visit Date	19/3/29

Eye Screening

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

Right Eye Left Eye N8 Near Vision N8 6/6 Distance Vision 616 Colour Vision wormal Noma

Observation / Comments:

Regd. No. 11601