

Name	: Mr. VINAY		
PID No.	: MED111017196	Register On : 12/03/2022 9:11 AM	\mathbf{C}
SID No.	: 922015888	Collection On : 12/03/2022 10:08 AM	
Age / Sex	: 35 Year(s) / Male	Report On : 13/03/2022 4:37 PM	MEDALL
Туре	: OP	Printed On : 16/03/2022 7:22 PM	
Ref. Dr	: MediWheel		

Investigation HAEMATOLOGY	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
Complete Blood Count With - ESR			
Haemoglobin (EDTA Blood/Spectrophotometry)	14.7	g/dL	13.5 - 18.0
Packed Cell Volume(PCV)/Haematocrit (EDTA Blood/Derived from Impedance)	43.5	%	42 - 52
RBC Count (EDTA Blood/Impedance Variation)	5.09	mill/cu.mm	4.7 - 6.0
Mean Corpuscular Volume(MCV) (EDTA Blood/Derived from Impedance)	86.0	fL	78 - 100
Mean Corpuscular Haemoglobin(MCH) (EDTA Blood/Derived from Impedance)	29.0	pg	27 - 32
Mean Corpuscular Haemoglobin concentration(MCHC) (EDTA Blood/Derived from Impedance)	33.9	g/dL	32 - 36
RDW-CV (EDTA Blood/Derived from Impedance)	13.9	%	11.5 - 16.0
RDW-SD (EDTA Blood/Derived from Impedance)	41.84	fL	39 - 46
Total Leukocyte Count (TC) (EDTA Blood/Impedance Variation)	4400	cells/cu.mm	4000 - 11000
Neutrophils (EDTA Blood/Impedance Variation & Flow Cytometry)	46.4	%	40 - 75
Lymphocytes (EDTA Blood/Impedance Variation & Flow Cytometry)	44.4	%	20 - 45
Eosinophils (EDTA Blood/Impedance Variation & Flow Cytometry)	2.0	%	01 - 06





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Monocytes (EDTA Blood/Impedance Variation & Flow Cytometry)	6.3	%	01 - 10
Basophils (EDTA Blood/Impedance Variation & Flow Cytometry)	0.9	%	00 - 02
Absolute Neutrophil count (EDTA Blood/Impedance Variation & Flow Cytometry)	2.04	10^3 / µl	1.5 - 6.6
Absolute Lymphocyte Count (EDTA Blood/Impedance Variation & Flow Cytometry)	1.95	10^3 / µl	1.5 - 3.5
Absolute Eosinophil Count (AEC) (EDTA Blood/Impedance Variation & Flow Cytometry)	0.09	10^3 / µl	0.04 - 0.44
Absolute Monocyte Count (EDTA Blood/Impedance Variation & Flow Cytometry)	0.28	10^3 / µl	< 1.0
Absolute Basophil count (EDTA Blood/Impedance Variation & Flow Cytometry)	0.04	10^3 / µl	< 0.2
Platelet Count (EDTA Blood/Impedance Variation)	284	10^3 / µl	150 - 450
MPV (EDTA Blood/Derived from Impedance)	7.7	fL	7.9 - 13.7
PCT (EDTA Blood/Automated Blood cell Counter)	0.22	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate) (EDTA Blood/Modified Westergren)	6	mm/hr	< 15





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Investigation <u>BIOCHEMISTRY</u>	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
Liver Function Test			
Bilirubin(Total) (Serum/Diazotized Sulfanilic Acid)	0.7	mg/dL	0.1 - 1.2
Bilirubin(Direct) (Serum/Diazotized Sulfanilic Acid)	0.3	mg/dL	0.0 - 0.3
Bilirubin(Indirect) (Serum/Derived)	0.4	mg/dL	0.1 - 1.0
Total Protein (Serum/Biuret)	7.9	gm/dL	6.0 - 8.0
Albumin (Serum/Bromocresol green)	5.0	gm/dL	3.5 - 5.2
Globulin (Serum/Derived)	2.9	gm/dL	2.3 - 3.6
A : G Ratio (Serum/Derived)	1.7		1.1 - 2.2
SGOT/AST (Aspartate Aminotransferase) (Serum/IFCC Kinetic)	15	U/L	5 - 40
SGPT/ALT (Alanine Aminotransferase) (Serum/IFCC / Kinetic)	14	U/L	5 - 41
Alkaline Phosphatase (SAP) (Serum/IFCC Kinetic)	49	U/L	53 - 128
GGT(Gamma Glutamyl Transpeptidase)	15	U/L	< 55

(Serum/SZASZ standarised IFCC)



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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
<u>Lipid Profile</u>			
Cholesterol Total (Serum/Cholesterol oxidase/Peroxidase)	199	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/Glycerol phosphate oxidase / peroxidase)	115	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)	51	mg/dL	Optimal(Negative Risk Factor): >= 60 Borderline: 40 - 59 High Risk: < 40
LDL Cholesterol (Serum/Calculated)	125	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >=190
VLDL Cholesterol (Serum/Calculated)	23	mg/dL	< 30
Non HDL Cholesterol (Serum/ <i>Calculated</i>)	148.0	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	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
Total Cholesterol/HDL Cholesterol Ratio (Serum/Calculated)	3.9		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>)	2.3		Optimal: < 2.5 Mild to moderate risk: 2.5 - 5.0 High Risk: > 5.0
LDL/HDL Cholesterol Ratio (Serum/Calculated)	2.5		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>	Biological Reference Interval
HbA1C (Whole Blood/ <i>HPLC</i>)	5.6	%	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 o	control >= 8.1 %

114.02 mg/dL

Estimated Average Glucose (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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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
IMMUNOASSAY			
THYROID PROFILE / TFT			
T3 (Triiodothyronine) - Total (Serum/ <i>CMIA</i>) INTERPRETATION:	1.33	ng/mL	0.7 - 2.04
Comment : Total T3 variation can be seen in other condition like preg Metabolically active.	gnancy, drugs, nepl	hrosis etc. In such case	s, Free T3 is recommended as it is
T4 (Thyroxine) - Total (Serum/ <i>CMIA</i>)	9.40	µg/dL	4.2 - 12.0
INTERPRETATION: Comment : Total T4 variation can be seen in other condition like preg Metabolically active.	gnancy, drugs, nepl	hrosis etc. In such case	s, Free T4 is recommended as it is
TSH (Thyroid Stimulating Hormone) (Serum/Chemiluminescent Microparticle Immunoassay(CMIA))	5.57	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			

2.1SH Levels are subject to circadian variation, reaching peak levels between 2-4am and at a minimum between 6-10P of the order of 50%,hence time of the day has influence on the measured serum TSH concentrations. 3.Values&lt0.03 µIU/mL need to be clinically correlated due to presence of rare TSH variant in some individuals.

DR .VANITHA.R.SWAMY MD Consultant Pathologist Reg No : 99049

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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
CLINICAL PATHOLOGY			
PHYSICAL EXAMINATION			
Colour (Urine)	Pale Yellow		
Appearance (Urine)	Clear		Clear
Volume (Urine)	15	mL	
<u>CHEMICAL EXAMINATION(Automated- Urineanalyser)</u>			
pH (Urine/AUTOMATED URINANALYSER)	6.5		4.5 - 8.0
Specific Gravity (Urine)	1.015		1.002 - 1.035
Ketones (Urine)	Negative		Negative
Urobilinogen (Urine/AUTOMATED URINANALYSER)	0.2		0.2 - 1.0
Blood (Urine/AUTOMATED URINANALYSER)	Negative		Negative
Nitrite (Urine/AUTOMATED URINANALYSER)	Negative		Negative
Bilirubin (Urine/AUTOMATED URINANALYSER)	Negative		Negative
Protein (Urine)	Negative		Negative
Glucose (Urine)	Negative		Negative





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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
Leukocytes (Urine) MICROSCOPY(URINE DEPOSITS)	Negative	leuco/uL	Negative
Pus Cells (Urine/Flow cytometry)	1-2	/hpf	3-5
Epithelial Cells (Urine)	1-2	/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	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
BIOCHEMISTRY			
BUN / Creatinine Ratio	6		6 - 22
Glucose Fasting (FBS) (Plasma - F/GOD - POD)	81	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)	Negative		Negative
Glucose Postprandial (PPBS) (Plasma - PP/GOD - POD)	92	mg/dL	70 - 140

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)	7 mg/dL	7.0 - 21
Creatinine (Serum/ <i>Jaffe Kinetic</i>)	1.2 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.

Uric Acid5.7mg/dL3.5 - 7.2(Serum/Uricase/Peroxidase)



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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	MR.VINAY	ID	MED111017196
Age & Gender	35Y/MALE	Visit Date	12/03/2022
Ref Doctor	MediWheel		

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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) .

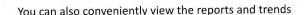
Dr. SRIDring Cardio), FICC MD,(Med), DM(Cardio), FICC Interventional Cardiologist K.M.C. No.: 32248

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





NameMR.VINAYAge & Gender35Y/MALE		Y	ID		MED111	Contraction and the second sec
				12/03/2022		2022
Ref Doctor N	IediWhe	e1	,			
		2D ECHOCARI	DIOGRAPHIC S	TUD	Y	
<u>M mode measureme</u>	ent:					
AORTA				:	3.02	cms
LEFT ATRIUM				:	3.08	cms
AVS				:	1.71	cms
LEFT VENTRICLE		(DIASTOLE)			4.78	cms
		(SYSTOLE)		:	3.23	cms
VENTRICULAR SE	EPTUM	(DIASTOLE)		:	1.14	cms
		(SYSTOLE)		:	2.33	cms
POSTERIOR WALI	5	(DIASTOLE)		:	1.31	cms
		(SYSTOLE)		:	2.57	cms
EDV				:	106	ml
ESV				:	41	ml
FRACTIONAL SHO	ORTENI	ING		:	32	%
EJECTION FRACT	ION			:	60	%
EPSS				• • •	; 4.	cms
RVID					2.24	cms
DOPPLER MEASU	UREMI	ENTS			¥ ţ	em
MITRAL VALVE		: 'E' -1.16m/s 'A' ·	-0.68m/s	TRI	VIAL ⁷ N	/IR ^m
AORTIC VALVE		:1.12 m/s		NO	AR	ml
TRICUSPID VALV	Έ	: PASP : 22 mmH	g	TRI	VIAL T	
PULMONARY VA	LVE	:0.84 m/s		NO	PR	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1





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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	9.6	1.4
Left Kidney	9.9	1.2

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 DI

DR. MAHESH. M. S

DR. RADHA KRISHNA. A.

DR. HIMA BINDU.P Hbp/so





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Ref Doctor	MediWheel	0	1

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.

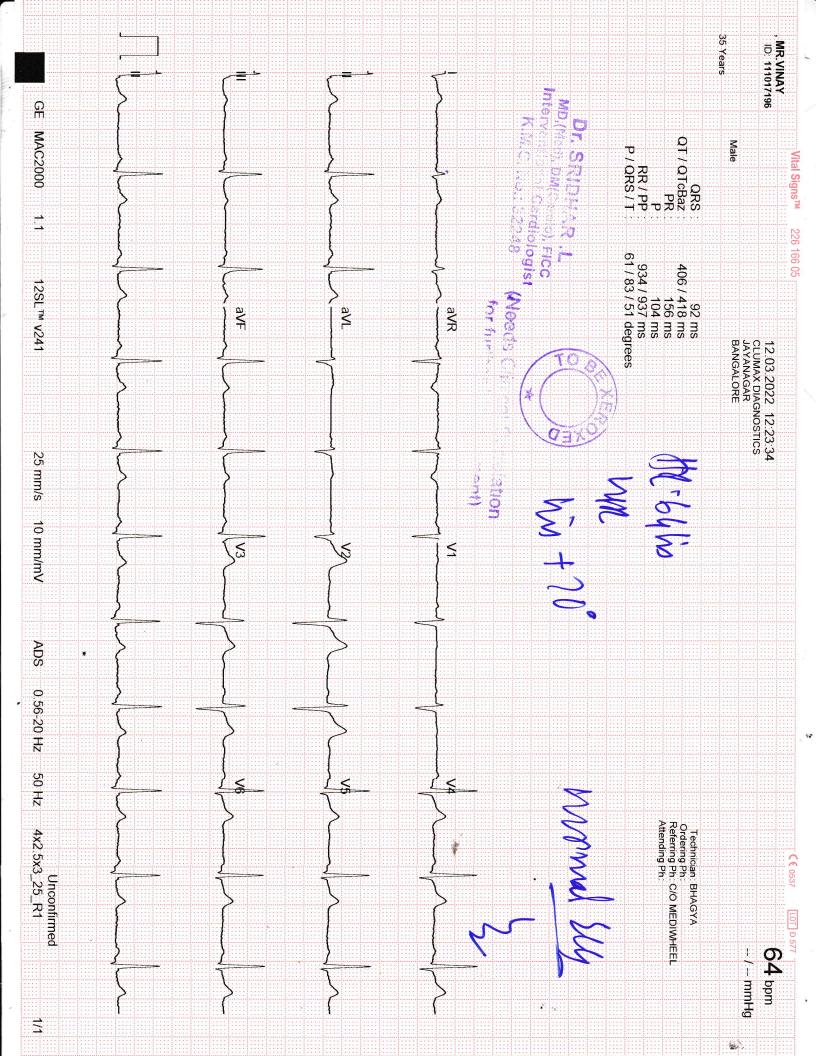
DR. PRAJNA SHENOY

DR. H.K. ANAND

DR. POOJA B.P

DR. SHWETHA S CONSULTANT RADIOLOGISTS





Customer Name	Vinay.R	Customer ID	111017196
Age & Gender	36/male	Visit Date	*12/3/22

Eye Screening

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

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đ.	Right Eye	Left Eye
Near Vision	NG	NG
Distance Vision	616	616
Colour Vision	Normal	NORma
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Observation / Comments: \sim \sim \sim

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Dr. RAVI V. HALAKATTI M.S. (OPHTH) EYE SUF.GEON Ford, No. 11801