Name	: Mr. SANJAY RAJ	
PID No.	: MED111186830	Register On : 04/07/2022 9:36 AM
SID No.	: 922037486	Collection On : 04/07/2022 11:15 AM
Age / Sex	: 38 Year(s) / Male	Report On : 04/07/2022 3:13 PM
Туре	: OP	Printed On : 05/07/2022 4:43 PM
Ref. Dr	: MediWheel	

Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> Reference Interval
HAEMATOLOGY			
Complete Blood Count With - ESR			
Haemoglobin (EDTA Blood/Spectrophotometry)	14.8	g/dL	13.5 - 18.0
Packed Cell Volume(PCV)/Haematocrit (EDTA Blood)	44.2	%	42 - 52
RBC Count (EDTA Blood)	4.62	mill/cu.mm	4.7 - 6.0
Mean Corpuscular Volume(MCV) (EDTA Blood)	95.8	fL	78 - 100
Mean Corpuscular Haemoglobin(MCH) (EDTA Blood)	32.1	pg	27 - 32
Mean Corpuscular Haemoglobin concentration(MCHC) (EDTA Blood)	33.5	g/dL	32 - 36
RDW-CV (EDTA Blood)	13.6	%	11.5 - 16.0
RDW-SD (EDTA Blood)	45.9	fL	39 - 46
Total Leukocyte Count (TC) (EDTA Blood)	6400	cells/cu.mm	4000 - 11000
Neutrophils (EDTA Blood)	52.0	%	40 - 75
Lymphocytes (EDTA Blood)	37.3	%	20 - 45
Eosinophils (EDTA Blood)	2.2	%	01 - 06





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Monocytes (EDTA Blood)	8.2	%	01 - 10
Basophils (EDTA Blood)	0.3	%	00 - 02
INTERPRETATION: Tests done on Automated Five I	Part cell counter. All	abnormal results are r	eviewed and confirmed microscopically.
Absolute Neutrophil count (EDTA Blood)	3.3	10^3 / µl	1.5 - 6.6
Absolute Lymphocyte Count (EDTA Blood)	2.4	10^3 / µl	1.5 - 3.5
Absolute Eosinophil Count (AEC) (EDTA Blood)	0.1	10^3 / µl	0.04 - 0.44
Absolute Monocyte Count (EDTA Blood)	0.5	10^3 / µl	< 1.0
Absolute Basophil count (EDTA Blood)	0.0	10^3 / µl	< 0.2
Platelet Count (EDTA Blood)	221	10^3 / µl	150 - 450
MPV (EDTA Blood)	8.1	fL	7.9 - 13.7
PCT (EDTA Blood/Automated Blood cell Counter)	0.179	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate) (EDTA Blood)	14	mm/hr	< 15





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Age / Sex	: 38 Year(s) / Male	Report On
Туре	: OP	Printed On
Ref. Dr	: MediWheel	

Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
BIOCHEMISTRY			
Liver Function Test			
Bilirubin(Total) (Serum/DCA with ATCS)	0.68	mg/dL	0.1 - 1.2
Bilirubin(Direct) (Serum/Diazotized Sulfanilic Acid)	0.29	mg/dL	0.0 - 0.3
Bilirubin(Indirect) (Serum/Derived)	0.39	mg/dL	0.1 - 1.0
SGOT/AST (Aspartate Aminotransferase) (Serum/ <i>Modified IFCC</i>)	26.81	U/L	5 - 40
SGPT/ALT (Alanine Aminotransferase) (Serum/ <i>Modified IFCC</i>)	40.14	U/L	5 - 41
GGT(Gamma Glutamyl Transpeptidase) (Serum/IFCC / Kinetic)	29.01	U/L	< 55
Alkaline Phosphatase (SAP) (Serum/Modified IFCC)	103.02	U/L	53 - 128
Total Protein (Serum/Biuret)	7.18	gm/dl	6.0 - 8.0
Albumin (Serum/Bromocresol green)	3.99	gm/dl	3.5 - 5.2
Globulin (Serum/Derived)	3.19	gm/dL	2.3 - 3.6
A : G RATIO (Serum/Derived)	1.25		1.1 - 2.2

: 04/07/2022 9:36 AM

On: 04/07/2022 11:15 AM : 04/07/2022 3:13 PM

: 05/07/2022 4:43 PM



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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/CHOD-PAP with ATCS)	188.52	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/ <i>GPO-PAP with ATCS</i>)	121.29	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)	35.69	mg/dL	Optimal(Negative Risk Factor): >= 60 Borderline: 40 - 59 High Risk: < 40
LDL Cholesterol (Serum/ <i>Calculated</i>)	128.5	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >=190
VLDL Cholesterol (Serum/Calculated)	24.3	mg/dL	< 30
Non HDL Cholesterol (Serum/ <i>Calculated</i>)	152.8	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>	<u>Biological</u> <u>Reference Interval</u>
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.			
Total Cholesterol/HDL Cholesterol Ratio (Serum/Calculated)	5.3		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>)	3.4		Optimal: < 2.5 Mild to moderate risk: 2.5 - 5.0 High Risk: > 5.0
LDL/HDL Cholesterol Ratio (Serum/Calculated)	3.6		Optimal: 0.5 - 3.0 Borderline: 3.1 - 6.0 High Risk: > 6.0



DR SHAMIM JAVED MD PATHOLOGY KMC 88902

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	<u>Dbserved</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> Reference Interval
<u>Glycosylated Haemoglobin (HbA1c)</u>			
HbA1C (Whole Blood/ <i>HPLC</i>)	5.8	%	Normal: 4.5 - 5.6 Prediabetes: 5.7 - 6.4 Diabetic: >= 6.5
INTERPRETATION . If Diabetes - Good control : 61 - 70	% Fair control · 7	1 - 8.0% Poor control >=	81%

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 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	
IMMUNOASSAY				
<u>THYROID PROFILE / TFT</u>				
T3 (Triiodothyronine) - Total (Serum/ECLIA) INTERPRETATION:	1.13	ng/ml	0.7 - 2.04	
Comment : Total T3 variation can be seen in other condition like preg Metabolically active.	gnancy, drugs, neph	rosis etc. In such cas	ses, Free T3 is recommended as it is	
T4 (Tyroxine) - Total (Serum/ <i>ECLIA</i>)	10.71	µg/dl	4.2 - 12.0	
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) (Serum/ECLIA)	2.00	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	ne intake, TPO stat	us, Serum HCG con	centration, race, Ethnicity and BMI.	
2.TSH Levels are subject to circadian variation, reaching of the order of 50%, hence time of the day has influence of 21% has a final state of the day has influence of 21% has a state of the day has a state	peak levels betwee on the measured serv	n 2-4am and at a min am TSH concentration	nimum between 6-10PM.The variation can be ons.	

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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Investigation <u>CLINICAL PATHOLOGY</u>	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> Reference Interval
<u>PHYSICAL EXAMINATION (URINE</u> <u>COMPLETE)</u>			
Colour (Urine)	Pale Yellow		Yellow to Amber
Appearance (Urine)	Clear		Clear
Volume(CLU) (Urine)	20		
<u>CHEMICAL EXAMINATION (URINE</u> COMPLETE)			
pH (Urine)	5.5		4.5 - 8.0
Specific Gravity (Urine)	1.020		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.

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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
Glucose (Urine/GOD - POD)	Negative		Negative
Leukocytes(CP) (Urine)	Negative		
<u>MICROSCOPIC EXAMINATION</u> (URINE COMPLETE)			
Pus Cells (Urine)	0-1	/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> Reference Interval
BIOCHEMISTRY			
BUN / Creatinine Ratio	11		6.0 - 22.0
Glucose Fasting (FBS) (Plasma - F/GOD-PAP)	105.01	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)	96.98	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.

Blood Urea Nitrogen (BUN) (Serum/Urease UV / derived)	13.5	mg/dL	7.0 - 21
Creatinine	1.09	mg/dL	0.9 - 1.3

(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	7.29	mg/dL	3.5 - 7.2
(Serum/Enzymatic)			



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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)

'B' 'Positive'

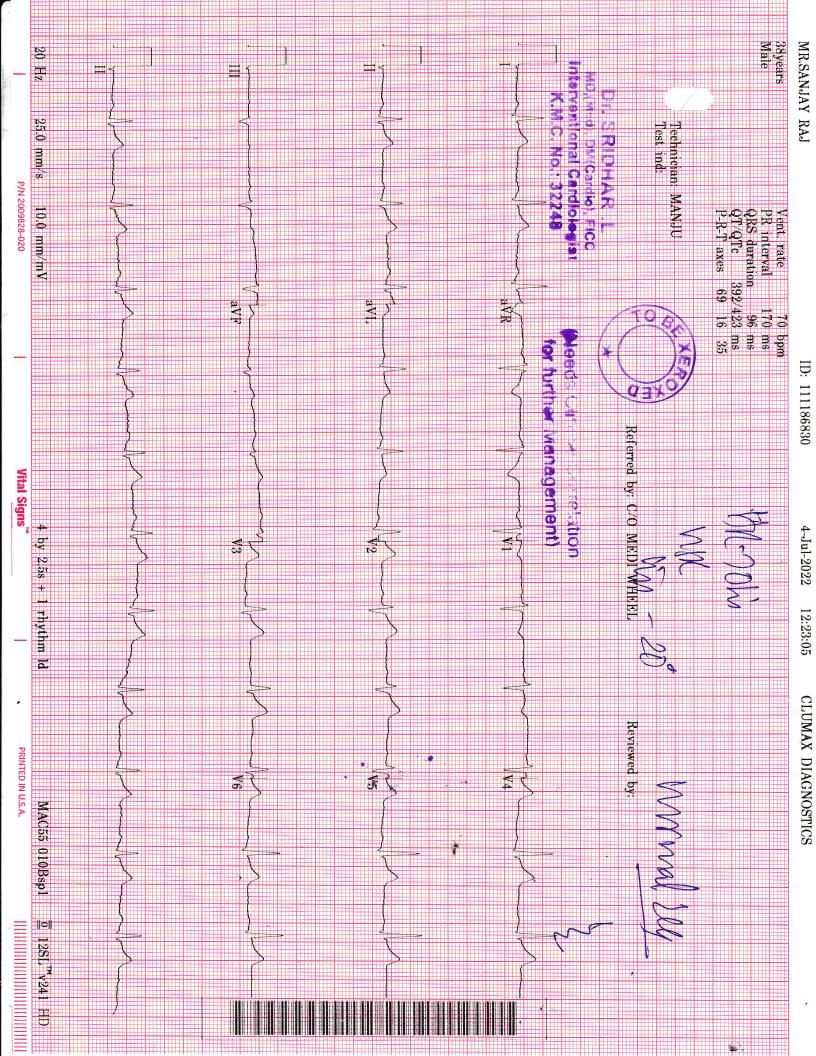


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-- End of Report --





Name	MR.SANJAY RAJ	ID	MED111186830
Age & Gender	38Y/MALE	Visit Date	04/07/2022
Ref Doctor	MediWheel		

M mode measurement:

2D ECHOCARDIOGRAPHIC STUDY

AORTA			:	3.43	cms
LEFT ATRIUM			:	3.06	cms
AVS	Å.		:	1.47	cms
LEFT VENTRICLE	(DIASTOLE)		:	4.90	cms
	(SYSTOLE)		:	3.35	cms
VENTRICULAR SEPTUM	(DIASTOLE)		•	1.27	cms
	(SYSTOLE)		:	1.84	cms
POSTERIOR WALL	(DIASTOLE)		:	1.18	cms
	(SYSTOLE)		:	2.69	cms
EDV			:	112	ml
ESV			:	45	ml
FRACTIONAL SHORTENI	NG		:	31	%
EJECTION FRACTION			:	60	%
EPSS			:		cms
RVID			:	1.84	cms
DOPPLER MEASUREMEN	NTS	al a	·, ·	1.01	CIIIS
	: 'E' -0.68m/s 'A' -0.40m/s	Ţ	NO M	D	
	:0.94 m/s		a.		
	1		NO AI		
	: 'E' -0.68m/s 'A' - m/s		NO TF		,
	:0.84 m/s		NO PR	н ^и з _в	

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Name	MR.SANJAY RAJ		ID	MED111186830
Age & Gender	38Y/MALE		Visit Date	04/07/2022
Ref Doctor	MediWheel			
			:2:	
2D ECHOCARD	IOGRAPHY FIND		.2.	
Left Ventricle	:	Normal	size, Normal systo	lic function.
		No regi	onal wall motion a	onormalities
T - Q A 4.		NT 1		
Left Atrium		Normal		
Right Ventricle	:	Normal		
0		3		
Right Atrium	:	Normal	•	
Mitral valve	•		NT	
Mitral valve	a	Normal	, No mitral valve p	rolapse.
Aortic valve	:	Normal	Trileaflet	
		10-06-10-00-06-06-06-06-06-06-06-06-06-06-06-06		
Tricuspid valve	:	Normal	•	
Pulmonary valve		Normal		
I unnonary varve	٠	normal		
IAS	:	Intact.		
IVS	:	Intact.		
Pericardium		No Dout	andial officiar	
i onoarununi		no Perio	cardial effusion.	

IMPRESSION:

> NORMAL SIZED CARDIAC CHAMBERS.

> NORMAL LV SYSTOLIC FUNCTION. EF: 60 %

> NO REGIONAL WALL MOTION ABNORMALITIES.

> NORMAL VALVES.

> 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), DM(Cardio), PMC Interventional Cardiologist K.M.C. No.: 32248

[]	DI.		(A)

MEDALL CLUMAX DIAGNOSTICS

Customer Name Sanjay Raj	Customer ID	111186830
Age & Gender 38 yrs Male	Visit Date	4 07/2022

Eye Screening

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

Right Eye Left Eye Near Vision NG 06 Distance Vision 6 6 Colour Vision lorma Room 9 ormal

Observation / Comments:

10

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



Name	MR.SANJAY RAJ	ID	MED111186830
Age & Gender	38Y/MALE	Visit Date	04/07/2022
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	10.2	1.7
Left Kidney	10.2	1.9

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

PROSTATE shows normal shape, size (wt-19.3gms) and echopattern.

No evidence of ascites.

Impression: No sonological abnormality detected.

CONSULTANT RADIOLOGISTS:

Pr

DR. H. K. ANAND Ms/so DR. MAHESH. M. S

E GOG E

DR. HIMA BINDU.P

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Name	SANJAY RAJ	Customer ID	MED111186830
Age & Gender	38Y/M	Visit Date	Jul 4 2022 9:36AM
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.

Dine Bindu P

DR. HIMA BINDU P CONSULTANT RADIOLOGIST