Name	: Mr. SYAMALA PRATAP		
PID No.	: MED111017269	Register On : 11/02/2023 8:35 A	м 🕐
SID No.	: 923005017	Collection On : 11/02/2023 9:17	AM
Age / Sex	: 36 Year(s) / Male	Report On : 11/02/2023 6:18	PM MEDALL
Туре	: OP	Printed On : 21/02/2023 11:36	AM
Ref. Dr	: MediWheel		

Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
HAEMATOLOGY			
Complete Blood Count With - ESR			
Haemoglobin (EDTA Blood/Spectrophotometry)	14.7	g/dL	13.5 - 18.0
Packed Cell Volume(PCV)/Haematocrit (EDTA Blood)	42.6	%	42 - 52
RBC Count (EDTA Blood)	5.06	mill/cu.mm	4.7 - 6.0
Mean Corpuscular Volume(MCV) (EDTA Blood)	84.1	fL	78 - 100
Mean Corpuscular Haemoglobin(MCH) (EDTA Blood)	29.0	pg	27 - 32
Mean Corpuscular Haemoglobin concentration(MCHC) (EDTA Blood)	34.5	g/dL	32 - 36
RDW-CV (EDTA Blood)	13.3	%	11.5 - 16.0
RDW-SD (EDTA Blood)	39.15	fL	39 - 46
Total Leukocyte Count (TC) (EDTA Blood)	5600	cells/cu.mm	4000 - 11000
Neutrophils (EDTA Blood)	61.0	%	40 - 75
Lymphocytes (EDTA Blood)	30.2	%	20 - 45
Eosinophils (EDTA Blood)	2.2	%	01 - 06
Monocytes (EDTA Blood)	6.2	%	01 - 10



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Туре	: OP	Printed On : 21/02/2023 11:36 AM	1
Ref. Dr	: MediWheel		

Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
Basophils (EDTA Blood)	0.4	%	00 - 02
INTERPRETATION: Tests done on Automated Five P	art cell counter. All	abnormal results are r	reviewed and confirmed microscopically.
Absolute Neutrophil count (EDTA Blood)	3.42	10^3 / µl	1.5 - 6.6
Absolute Lymphocyte Count (EDTA Blood)	1.69	10^3 / µl	1.5 - 3.5
Absolute Eosinophil Count (AEC) (EDTA Blood)	0.12	10^3 / µl	0.04 - 0.44
Absolute Monocyte Count (EDTA Blood)	0.35	10^3 / µl	< 1.0
Absolute Basophil count (EDTA Blood)	0.02	10^3 / µl	< 0.2
Platelet Count (EDTA Blood)	305	10^3 / µl	150 - 450
MPV (EDTA Blood)	7.7	fL	7.9 - 13.7
PCT (EDTA Blood/Automated Blood cell Counter)	0.23	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate) (EDTA Blood)	5	mm/hr	< 15

Dr Anusha.K.S Sr.Consultant Pathologist Reg No : 100674 APPROVED BY

The results pertain to sample tested.

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PID No.	: MED111017269	Register On : 11/02/2023 8:35	AM 🕐
SID No.	: 923005017	Collection On : 11/02/2023 9:1	7 AM
Age / Sex	: 36 Year(s) / Male	Report On : 11/02/2023 6:1	8 PM MEDALL
Туре	: OP	Printed On : 21/02/2023 11:	36 AM
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)	0.33	mg/dL	0.1 - 1.2
Bilirubin(Direct) (Serum/Diazotized Sulfanilic Acid)	0.16	mg/dL	0.0 - 0.3
Bilirubin(Indirect) (Serum/Derived)	0.17	mg/dL	0.1 - 1.0
SGOT/AST (Aspartate Aminotransferase) (Serum/ <i>Modified IFCC</i>)	28.01	U/L	5 - 40
SGPT/ALT (Alanine Aminotransferase) (Serum/ <i>Modified IFCC</i>)	32.67	U/L	5 - 41
GGT(Gamma Glutamyl Transpeptidase) (Serum/IFCC / Kinetic)	34.63	U/L	< 55
Alkaline Phosphatase (SAP) (Serum/Modified IFCC)	83.2	U/L	53 - 128
Total Protein (Serum/Biuret)	6.94	gm/dl	6.0 - 8.0
Albumin (Serum/Bromocresol green)	4.57	gm/dl	3.5 - 5.2
Globulin (Serum/Derived)	2.37	gm/dL	2.3 - 3.6
A : G RATIO	1.93		1.1 - 2.2

(Serum/Derived)



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Age / Sex	: 36 Year(s) / Male	Report On : 11/02/2023 6:18 PM	MEDALL
Туре	: OP	Printed On : 21/02/2023 11:36 AM	
Ref. Dr	: MediWheel		

Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
Lipid Profile			
Cholesterol Total (Serum/CHOD-PAP with ATCS)	167.39	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/ <i>GPO-PAP with ATCS</i>)	180.55	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)	30.03	mg/dL	Optimal(Negative Risk Factor): >= 60 Borderline: 40 - 59 High Risk: < 40
LDL Cholesterol (Serum/ <i>Calculated</i>)	101.3	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >=190
VLDL Cholesterol (Serum/Calculated)	36.1	mg/dL	< 30
Non HDL Cholesterol (Serum/ <i>Calculated</i>)	137.4	mg/dL	Optimal: < 130 Above Optimal: 130 - 159 Borderline High: 160 - 189 High: 190 - 219 Very High: >= 220



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Age / Sex	: 36 Year(s) / Male	Report On : 11/	/02/2023 6:18 PM	MEDALL
Туре	: OP	Printed On : 21/	02/2023 11:36 AM	
Ref. Dr	: MediWheel			

Investigation	<u>Observed</u> <u>Value</u>		<u>Biological</u> rence Interval
INTERPRETATION: 1.Non-HDL Cholesterol is now 2.It is the sum of all potentially atherogenic proteins in co-primary target for cholesterol lowering therapy.			
Total Cholesterol/HDL Cholesterol Ratio (Serum/ <i>Calculated</i>)	5.6	Low Averag Moderat	timal: < 3.3 Risk: 3.4 - 4.4 e Risk: 4.5 - 7.1 e Risk: 7.2 - 11.0 n Risk: > 11.0
Triglyceride/HDL Cholesterol Ratio (TG/HDL) (Serum/ <i>Calculated</i>)	6	Mild to mo	timal: < 2.5 derate risk: 2.5 - 5.0 h Risk: > 5.0
LDL/HDL Cholesterol Ratio (Serum/Calculated)	3.4	Borde	mal: 0.5 - 3.0 erline: 3.1 - 6.0 h Risk: > 6.0



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Ref. Dr	: MediWheel			

<u>Investigation</u> <u>Glycosylated Haemoglobin (HbA1c)</u>	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>	
HbA1C (Whole Blood/ <i>HPLC</i>)	5.4	%	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	108.28	mg/dL
Estimated Average Olicose	100.20	mg/uL

(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: Comment : Total T3 variation can be seen in other condition like preg Metabolically active.	1.42 gnancy, drugs, nepł	ng/ml nrosis etc. In such cas	0.7 - 2.04 es, Free T3 is recommended as it is
T4 (Tyroxine) - Total (Serum/ <i>ECLIA</i>)	7.83	μg/dl	4.2 - 12.0
INTERPRETATION: Comment : Total T4 variation can be seen in other condition like preg Metabolically active.	gnancy, drugs, nepł	rrosis etc. In such cas	es, Free T4 is recommended as it is
TSH (Thyroid Stimulating Hormone) (Serum/ECLIA)	1.72	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 of the order of 50%,hence time of the day has influence o 3 Values& amplt 0.03 uIU/mL need to be clinically correl	peak levels betwee n the measured ser	n 2-4am and at a mir um TSH concentratio	imum 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>Observed</u> Value	<u>Unit</u>	<u>Biological</u> Reference Interval
CLINICAL PATHOLOGY			
<u>PHYSICAL EXAMINATION (URINE</u> <u>COMPLETE)</u>			
Colour (Urine)	Pale yellow		Yellow to Amber
Appearance (Urine)	Clear		Clear
Volume(CLU) (Urine)	15		
<u>CHEMICAL EXAMINATION (URINE</u> <u>COMPLETE)</u>			
pH (Urine)	7.0		4.5 - 8.0
Specific Gravity (Urine)	1.002		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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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> Reference Interval
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> <u>Reference Interval</u>
BIOCHEMISTRY			
BUN / Creatinine Ratio	10.4		6.0 - 22.0
Glucose Fasting (FBS) (Plasma - F/GOD-PAP)	92.91	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)	85.42 1	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)	8.5 mg/d	IL 7.0 - 21
Creatinine	0.82 mg/d	IL 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	5.26	mg/dL	3.5 - 7.2
(Serum/Enzymatic)			



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Investigation

IMMUNOHAEMATOLOGY

BLOOD GROUPING AND Rh TYPING (EDTA Blood/Agglutination)

'O' 'Positive'

<u>Observed</u> <u>Value</u>



<u>Unit</u>

Biological Reference Interval

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-- End of Report --

The results pertain to sample tested.



Name	Mr.SYAMALA PRATAP	ID	MED111017269
Age & Gender	36/MALE	Visit Date	11/02/2023
Ref Doctor Name	MediWheel		

2D ECHOCARDIOGRAPHY

Chambers

•	Left ventricle :
normal in size, No RWMA at Rest.	
• Left Atrium : Normal	
• Right Ventricle : Normal	
•	Right Atrium :
Normal	
Septa	
Sept.	
•	IVS : Intact
•	IAS : Intact
Valves	
•	Mitral Valve :
Normal.	
• Tricuspid Valve : Normal, trace TR, No PAH	
• Aortic valve : Tricuspid, Normal Mobility	
•	Pulmonary
Artery : Normal	
Great Valves	
•	Aorta : Normal
÷	Pulmonary
Artory Normal	i unitonary

Artery : Normal

Pericardium : Normal

REPORT DISCLAIMER

- 1. This is only a radiologincal imperssion. Like other investigations, radiological investication also have limitation. Therefore radiologincal reports should be interpreted in correlation with clinical and pathological findings. 2. The results reported here in are subject to interpretation by qualified medical professionals
- only.
- 3.Customer identities are accepted provided by the customer or their representative.
- 4.information about the customer's condition at the time of sample collection such as fasting,
- food consumption, medication, etc are accepted as provided by the customer or representative and shall not be investigated for its truthfulness.
- 5.If any specimen/sample is received from any others laboratory/hospital,its is presumed that the sample belongs to the patient identified or named.
- 6.Test results should be interpreted in context of clinical and other findings if any.In case of any clarification /doubt , the refrering doctor/patient can contact the respective section head of the laboratory.

7.Results of the test are influenced by the various factors such as sensitivity, specificity of the procedures of the tests, quality of the samples and drug interactions etc.,

8. If the test results are found not to be correlating clinically can contact the lab in charge for clarification or retesting where practicable within 24 hours from the time of issue of results. 9.Liability is limited to the extend of amount billed.

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Name	Mr.SYAMALA PRATAP	ID	MED111017269
Age & Gender	36/MALE	Visit Date	11/02/2023
Ref Doctor Name	MediWheel		

Doppler Echocardiography

Mitral valve	Е	0.88	m/sec	А	0.63	m/sec	E/a: 1.4
Aortic Valve	V max	1.4	m/sec	PG	8.1	mm	No AR
Diastolic Dysfunction NONE							

:2:

M - Mode Measurement

Parameter	Observed Valve	Normal Range	
Aorta	29	26-36	Mm
Left Atrium	31	27-38	Mm
IVS	11	09-11	Mm
Left Ventricle - Diastole	46	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	62	- >50	%

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Name	Mr.SYAMALA PRATAP	ID	MED111017269
Age & Gender	36/MALE	Visit Date	11/02/2023
Ref Doctor Name	MediWheel		

IMPRESSION:

- NORMAL SIZED CARDIAC VALVES AND CHAMBERS
- NO RWMA'S AT REST
- NORMAL LV & RV SYSTOLIC FUNCION LVEF 62%
- NORMAL DIASTOLIC FUNCTION
- NO PERICARDIAL EFFUSION / VEGETATION / CLOT.

DR RAMNARESH SOUDRI MD DM (CARDIOLOGY) INTERVENTIONAL CARDIOLOGIST Rs/pu

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