PID No.
 : SVD125731
 Register On
 : 26/10/2023 7:40 AM

 SID No.
 : 522316755
 Collection On
 : 26/10/2023 9:09 AM

 Age / Sex
 : 35 Year(s) / Male
 Report On
 : 26/10/2023 3:04 PM

 Type
 : OP
 Printed On
 : 27/10/2023 9:51 AM

Ref. Dr : MediWheel

<u>Investigation</u>	Observed Value	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
BLOOD GROUPING AND Rh TYPING	'B' 'Positive'		

(EDTA Blood/Agglutination)

INTERPRETATION: Note: Slide method is screening method. Kindly confirm with Tube method for transfusion.

Complete Blood Count With - ESR

Haemoglobin (EDTA Blood/Spectrophotometry)	16.6	g/dL	13.5 - 18.0
Packed Cell Volume(PCV)/Haematocrit (EDTA Blood)	50.4	%	42 - 52
RBC Count (EDTA Blood)	5.91	mill/cu.mm	4.7 - 6.0
Mean Corpuscular Volume(MCV) (EDTA Blood)	85.2	fL	78 - 100
Mean Corpuscular Haemoglobin(MCH) (EDTA Blood)	28.1	pg	27 - 32
Mean Corpuscular Haemoglobin concentration(MCHC) (EDTA Blood)	33.0	g/dL	32 - 36
RDW-CV	13.2	%	11.5 - 16.0
RDW-SD	39.36	fL	39 - 46
Total Leukocyte Count (TC) (EDTA Blood)	6200	cells/cu.m m	4000 - 11000
Neutrophils (Blood)	57.5	%	40 - 75
Lymphocytes (Blood)	36.2	%	20 - 45
Eosinophils (Blood)	1.3	%	01 - 06





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Page 1 of 8

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Monocytes (Blood)	4.9	%	01 - 10
Basophils (Blood)	0.1	%	00 - 02
INTERPRETATION: Tests done on Automated Fi	ve Part cell counter. All	abnormal results are i	reviewed and confirmed microscopically.
Absolute Neutrophil count (EDTA Blood)	3.56	10^3 / μl	1.5 - 6.6
Absolute Lymphocyte Count (EDTA Blood)	2.24	10^3 / μl	1.5 - 3.5
Absolute Eosinophil Count (AEC) (EDTA Blood)	0.08	10^3 / μl	0.04 - 0.44
Absolute Monocyte Count (EDTA Blood)	0.30	10^3 / μl	< 1.0
Absolute Basophil count (EDTA Blood)	0.01	10^3 / μl	< 0.2
Platelet Count (EDTA Blood)	162	10^3 / μl	150 - 450
MPV (Blood)	7.8	fL	7.9 - 13.7
PCT (Automated Blood cell Counter)	0.13	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate) (Citrated Blood)	2	mm/hr	< 15
BUN / Creatinine Ratio	10.4		6.0 - 22.0
Glucose Fasting (FBS) (Plasma - F/GOD-PAP)	149.64	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.





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Investigation	Observed Value	<u>Unit</u>	<u>Biological</u> Reference Interval
Glucose, Fasting (Urine) (Urine - F/GOD - POD)	Trace		Negative
Glucose Postprandial (PPBS) (Plasma - PP/GOD-PAP)	170.40	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.

Urine Glucose(PP-2 hours) (Urine - PP)	+++		Negative
Blood Urea Nitrogen (BUN) (Serum/Urease UV / derived)	7.3	mg/dL	7.0 - 21
Creatinine (Serum/Modified Jaffe)	0.70	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 Acid (Serum/Enzymatic)	4.65	mg/dL	3.5 - 7.2
Liver Function Test			
Bilirubin(Total) (Serum/DCA with ATCS)	0.45	mg/dL	0.1 - 1.2
Bilirubin(Direct) (Serum/Diazotized Sulfanilic Acid)	0.10	mg/dL	0.0 - 0.3
Bilirubin(Indirect) (Serum/Derived)	0.35	mg/dL	0.1 - 1.0
SGOT/AST (Aspartate Aminotransferase) (Serum/Modified IFCC)	21.57	U/L	5 - 40
SGPT/ALT (Alanine Aminotransferase) (Serum/Modified IFCC)	37.28	U/L	5 - 41





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Page 3 of 8

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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> Reference Interval
GGT(Gamma Glutamyl Transpeptidase) (Serum/IFCC / Kinetic)	24.90	U/L	< 55
Alkaline Phosphatase (SAP) (Serum/Modified IFCC)	96.8	U/L	53 - 128
Total Protein (Serum/Biuret)	6.29	gm/dl	6.0 - 8.0
Albumin (Serum/Bromocresol green)	5.15	gm/dl	3.5 - 5.2
Globulin (Serum/Derived)	1.14	gm/dL	2.3 - 3.6
A : G RATIO (Serum/Derived)	4.52		1.1 - 2.2
<u>Lipid Profile</u>			
Cholesterol Total (Serum/CHOD-PAP with ATCS)	192.33	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/GPO-PAP with ATCS)	343.97	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 31.60 mg/dL Optimal(Negative Risk Factor): >= 60 (Serum/Immunoinhibition) Borderline: 40 - 59 High Risk: < 40





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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
LDL Cholesterol (Serum/Calculated)	91.9	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >=190
VLDL Cholesterol (Serum/Calculated)	68.8	mg/dL	< 30
Non HDL Cholesterol (Serum/Calculated)	160.7	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.

Total Cholesterol/HDL Cholesterol Ratio (Serum/Calculated)	6.1	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)	10.9	Optimal: < 2.5 Mild to moderate risk: 2.5 - 5.0 High Risk: > 5.0
LDL/HDL Cholesterol Ratio (Serum/Calculated)	2.9	Optimal: 0.5 - 3.0 Borderline: 3.1 - 6.0 High Risk: > 6.0

Glycosylated Haemoglobin (HbA1c)





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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
HbA1C	6.9	%	Normal: 4.5 - 5.6
(Whole Blood/HPLC)			Prediabetes: 5.7 - 6.4
,			Diabetic: \geq 6.5

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

Estimated Average Glucose 151.33 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 HbA1c.

THYROID PROFILE / TFT

T3 (Triiodothyronine) - Total	1.34	ng/ml	0.7 - 2.04

(Serum/ECLIA)

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 (Tyroxine) - Total 8.16 μ g/dl 4.2 - 12.0

(Serum/ECLIA)

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) 1.70 µIU/mL 0.35 - 5.50 (Serum/ECLIA)





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Page 6 of 8

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

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.

URINE ROUTINE

PHYSICAL EXAMINATION (URINE **COMPLETE**)

Colour (Urine)	Pale yellow	Yellow to Amber
Appearance (Urine)	Clear	Clear
Volume(CLU) (Urine)	20	
CHEMICAL EXAMINATION (URINE COMPLETE)		
pH (Urine)	5.5	4.5 - 8.0
Specific Gravity (Urine)	1.007	1.002 - 1.035
Ketone (Urine)	Negative	Negative
Urobilinogen (Urine)	Normal	Normal





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Page 7 of 8

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Investigation	Observed Value	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
Blood	Negative		Negative
(Urine)			
Nitrite	Negative		Negative
(Urine)			
Bilirubin	Negative		Negative
(Urine)			
Protein (Urine)	Negative		Negative
Glucose (Urine/GOD - POD)	Trace		Negative
Leukocytes(CP) (Urine)	Negative		
MICROSCOPIC EXAMINATION (URINE COMPLETE)			
Pus Cells	0-1	/hpf	NIL
(Urine)		•	
Epithelial Cells	0-1	/hpf	NIL
(Urine)			
RBCs	NIL	/HPF	NIL
(Urine)			
Others	NIL		
(Urine)			
INTERPRETATION: Note: Done with Auton reviewed and confirmed microscopically.	nated Urine Analyser & Autor	mated urine sedir	nentation analyser. All abnormal reports are
Casts	NIL	/hpf	NIL
(Urine)			
Crystals	NIL	/hpf	NIL
(Urine)			





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-- End of Report --

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Page 8 of 8

Name	MR.HARISH H V	ID	SVD125731
Age & Gender	35Y/MALE	Visit Date	26 Oct 2023
Ref Doctor Name	MediWheel	-	-

ABDOMINO-PELVIC ULTRASONOGRAPHY

LIVER is normal in shape, size (14.0 cm) and shows increased echogenicity. No evidence of focal lesion or intrahepatic biliary ductal dilatation. Hepatic and portal vein radicals are normal.

GALL BLADDER shows normal shape and has clear contents. Wall is of normal thickness. CBD is of normal calibre.

PANCREAS is obscured by bowel gas shadows.

SPLEEN shows normal shape, size (9.5 cm) and echopattern.

KIDNEYS

Right kidney: Normal in shape, size and echopattern. Cortico-medullary differentiation is well madeout. No evidence of calculus or hydronephrosis.

Left kidney: Normal in shape, size and echopattern. Cortico-medullary differentiation is well madeout. No evidence of calculus or hydronephrosis.

The kidney measures as follows:

•	Bipolar length (cms)	Parenchymal thickness (cms)
Right Kidney	10.5	1.5
Left Kidney	9.6	2.0

URINARY BLADDER shows 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:

- Grade I fatty infiltration of liver.
- No other sonological abnormality detected.

DR. KARTHIK VIJAY DATTANI, MD, PDCC CONSULTANT RADIOLOGIST Kv/Mi

Name	MR.HARISH H V	ID	SVD125731
Age & Gender	35Y/MALE	Visit Date	26 Oct 2023
Ref Doctor Name	MediWheel		

Name	MR.HARISH H V	ID	SVD125731
Age & Gender	35Y/MALE	Visit Date	26 Oct 2023
Ref Doctor Name	MediWheel		

2D ECHOCARDIOGRAPHIC STUDY

M-mode measurement:

AORTA 2.53 cms. LEFT ATRIUM 3.22 cms. **AVS** 1.47 cms. LEFT VENTRICLE (DIASTOLE) 3.99 cms. (SYSTOLE) 2.90 cms. **VENTRICULAR SEPTUM** (DIASTOLE) 0.90 cms. (SYSTOLE) 1.13 cms. POSTERIOR WALL (DIASTOLE) 1.04 cms. (SYSTOLE) 1.59 cms. **EDV** 29 ml. **ESV** ml. 16 % FRACTIONAL SHORTENING 35 **EJECTION FRACTION** % 60 **EPSS** cms. **RVID** 1.80 cms.

DOPPLER MEASUREMENTS:

MITRAL VALVE: E - 0.6 m/s A - 0.4 m/s NO MR.

AORTIC VALVE: 1.1 m/s NO AR.

TRICUSPID VALVE: E - 0.3 m/s A - 0.2 m/s TRIVIAL TR. PASP 17mmHg

PULMONARY VALVE: 0.8 m/s NO PR.

Name	MR.HARISH H V	ID	SVD125731
Age & Gender	35Y/MALE	Visit Date	26 Oct 2023
Ref Doctor Name	MediWheel	-	

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 prolapsed.

Aortic Valve : Normal. Trileaflet.

Tricuspid Valve : Normal.

Pulmonary Valve : Normal.

IAS : Intact.

IVS : Intact.

Pericardium : No pericardial effusion.

IMPRESSION:

- NORMAL SIZED CARDIAC CHAMBERS.
- NORMAL LV SYSTOLIC FUNCTION. EF: 60 %.
- NO REGIONAL WALL MOTION ABNORMALITIES.
- NORMAL VALVES.
- NO CLOTS / PERICARDIAL EFFUSION / VEGETATION.

DR. YASHODA RAVI CONSULTANT CARDIOLOGIST

Name	Mr. HARISH H V	Customer ID	SVD125731
Age & Gender	35Y/M	Visit Date	Oct 26 2023 7:39AM
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.

<u>Impression:</u> No significant abnormality detected.

DR KARTHIK VIJAY DATTANI. MD., PDCC CONSULTANT RADIOLOGIST

OPTICAL STORE

Unique Collection

Ph: 9611444957

Vyalikaval Main road No:12 Lakshmi Nilaya, Ground Floor. 2nd Main Road, Vyalikaval, Bengaluru Karnataka - 560003

Name HARISH. H.V.

Ph No.

CHIEF COMPLAINTS

RE/LE/BE:

DOV / Blurring / Eyeache / Burning Itching / Pricking / Redness

Visual Activity:

	F	£	LE
Distance/ Near	6	6	616
. With PH		_	
With Glasses/Cl		-	-

Color Vision: BE- Normal

			36				LE	
	SPH	CYL	AXIS	YN !	SPH	CYL	AXIS	VN
Distance		T ov	10	616		7		611
Near					- 27	4 100	~	OIP

Advise: Constant Use / Near Use / Distance Only

Mr. Ravikumar 26/10/22

Patient Name	Harish-H-V	Date	26/10/2023
Age	35425	Visit Number	522316755
Sex	Male	Corporate	Medi wheel

/minute

GENERAL PHYSICAL EXAMINATION

02.12.10	LETTISIE/ LE LA		11014			
Identifica	tion Mark : Mole	@	P	upper	eye	lid.
Height:	166.		cms		O	
Weight:	60,6,		kgs			

Blood Pressure: 110 40 mm of Hg

BMI

Pulse:

BMI INTERPRETATION Underweight = <18.5Normal weight = 18.5-24.9Overweight = 25-29.9

Chest:

cms Expiration: cms Inspiration:

Abdomen Measurement: cms

Ears : NA

Neck nodes: Not palpable, cvs: S. S. D Throat : NAN

RS: Bu leas (4)

No abnormality is detected. His / Her general physical examination is within normal limits.

NOTE: MEDICAL FIT FOR EMPLOYMENT YES / NO

Signature Reg. No: 85875 MAX DIAGNOSTICS

Sp024984.

