PID No.
 : MED120814753
 Register On
 : 25/11/2023 8:28 AM

 SID No.
 : 522318263
 Collection On
 : 25/11/2023 11:25 AM

 Age / Sex
 : 45 Year(s) / Male
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 : 25/11/2023 5:43 PM

 Type
 : OP
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 : 26/11/2023 12:14 PM

Ref. Dr : MediWheel

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

 $({\rm EDTA~Blood} Agglutination)$ 

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

## Complete Blood Count With - ESR

Haemoglobin (EDTA Blood'Spectrophotometry)	15.2	g/dL	13.5 - 18.0
Packed Cell Volume(PCV)/Haematocrit (EDTA Blood)	45.1	%	42 - 52
RBC Count (EDTA Blood)	4.69	mill/cu.mm	4.7 - 6.0
Mean Corpuscular Volume(MCV) (EDTA Blood)	96.1	fL	78 - 100
Mean Corpuscular Haemoglobin(MCH) (EDTA Blood)	32.4	pg	27 - 32
Mean Corpuscular Haemoglobin concentration(MCHC) (EDTA Blood)	33.7	g/dL	32 - 36
RDW-CV	14.9	%	11.5 - 16.0
RDW-SD	50.12	fL	39 - 46
Total Leukocyte Count (TC) (EDTA Blood)	5200	cells/cu.m m	4000 - 11000
Neutrophils (Blood)	48.6	%	40 - 75
Lymphocytes (Blood)	34.9	%	20 - 45
Eosinophils (Blood)	8.8	%	01 - 06





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The results pertain to sample tested.

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Monocytes (Blood)	7.1	%	01 - 10
Basophils (Blood)	0.6	%	00 - 02
INTERPRETATION: Tests done on Automated Five	Part cell counter. All	abnormal results are	e reviewed and confirmed microscopically.
Absolute Neutrophil count (EDTA Blood)	2.53	10^3 / μ1	1.5 - 6.6
Absolute Lymphocyte Count (EDTA Blood)	1.81	10^3 / μ1	1.5 - 3.5
Absolute Eosinophil Count (AEC) (EDTA Blood)	0.46	10^3 / μl	0.04 - 0.44
Absolute Monocyte Count (EDTA Blood)	0.37	10^3 / μl	< 1.0
Absolute Basophil count (EDTA Blood)	0.03	10^3 / μ1	< 0.2
Platelet Count (EDTA Blood)	255	10^3 / μl	150 - 450
MPV (Blood)	9.4	fL	7.9 - 13.7
PCT (Automated Blood cell Counter)	0.24	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate) (Citrated Blood)	6	mm/hr	< 15
BUN / Creatinine Ratio	8.7		6.0 - 22.0
Glucose Fasting (FBS) (Plasma - F/GOD-PAP)	83.15	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>	Biological Reference Interval
Glucose, Fasting (Urine) (Urine - F/GOD - POD)	Negative		Negative
Glucose Postprandial (PPBS)	75.60	mg/dL	70 - 140

(Flasilia - FF/GOD-I AI

#### 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)	7.6	mg/dL	7.0 - 21
(Serum/Urease UV / derived)			
Creatinine	0.87	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.

7.21	mg/dL	3.5 - 7.2
0.71	mg/dL	0.1 - 1.2
0.24	mg/dL	0.0 - 0.3
0.47	mg/dL	0.1 - 1.0
17.92	U/L	5 - 40
24.51	U/L	5 - 41
22.12	U/L	< 55
	0.71 0.24 0.47 17.92 24.51	0.71 mg/dL 0.24 mg/dL 0.47 mg/dL 17.92 U/L 24.51 U/L





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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
Alkaline Phosphatase (SAP) (Serum/Modified IFCC)	121.3	U/L	53 - 128
Total Protein (Serum/Biuret)	7.60	gm/dl	6.0 - 8.0
Albumin (Serum/Bromocresol green)	4.41	gm/dl	3.5 - 5.2
Globulin (Serum/Derived)	3.19	gm/dL	2.3 - 3.6
A : G RATIO (Serum/Derived)	1.38		1.1 - 2.2
<u>Lipid Profile</u>			
Cholesterol Total (Serum/CHOD-PAP with ATCS)	222.64	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/GPO-PAP with ATCS)	116.55	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 õusualö circulating level of triglycerides during most part of the day.

HDL Cholesterol 41.63 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)	157.7	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >= 190
VLDL Cholesterol (Serum/Calculated)	23.3	mg/dL	< 30
Non HDL Cholesterol (Serum/Calculated)	181.0	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.

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
2.8	Optimal: < 2.5
	Mild to moderate risk: 2.5 - 5.0
	High Risk: > 5.0
3.8	Optimal: 0.5 - 3.0
	Borderline: 3.1 - 6.0
	High Risk: $> 6.0$
	2.8

## 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 (Whole Blood/ <i>HPLC</i> )	5.3	%	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 105.41 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.

Prostate specific antigen - Total(PSA)

Normal: 0.0 - 4.0

0.509 ng/ml Inflammatory & Non Malignant (Serum/Manometric method) conditions of Prostate & genitourinary

> system: 4.01 - 10.0 Suspicious of Malignant disease of

Prostate: > 10.0

#### THYROID PROFILE / TFT

0.7 - 2.04T3 (Triiodothyronine) - Total 1.14 ng/ml

(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 7.03 µg/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.





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The results pertain to sample tested.

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Investigation	Observed <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
TSH (Thyroid Stimulating Hormone) (Serum/ECLIA)	2.61	$\mu IU/mL$	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 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 & amplt 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	
<u>CHEMICAL EXAMINATION (URIN</u> <u>COMPLETE)</u>	<u>NE</u>	
pH (Urine)	5	4.5 - 8.0
Specific Gravity (Urine)	1.006	1.002 - 1.035
Ketone (Urine)	Negative	Negative





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Investigation	Observed Value	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
Urobilinogen (Urine)	Normal		Normal
Blood (Urine)	Negative		Negative
Nitrite (Urine)	Negative		Negative
Bilirubin (Urine)	Negative		Negative
Protein (Urine)	Negative		Negative
Glucose (Urine/GOD - POD)	Negative		Negative
Leukocytes(CP) (Urine)	Negative		
MICROSCOPIC EXAMINATION (URINE COMPLETE)			
Pus Cells (Urine)	0-1	/hpf	NIL
Epithelial Cells (Urine)	0-1	/hpf	NIL
RBCs (Urine)	NIL	/HPF	NIL
Others (Urine)	NIL		
<b>INTERPRETATION:</b> Note: Done with Automateviewed and confirmed microscopically.	tted Urine Analyser & Auto	mated urine sedime	ntation analyser. All abnormal reports are
Casts (Urine)	NIL	/hpf	NIL
Crystals (Urine)	NIL	/hpf	NIL





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-- End of Report --

Name	MR.VASUDEVAN B	ID	MED120814753
Age & Gender	45Y/MALE	Visit Date	25 Nov 2023
Ref Doctor Name	MediWheel	-	

## ABDOMINO-PELVIC ULTRASONOGRAPHY

**LIVER** is normal in shape, size (14.1 cm) and show increased echogenicity. No evidence of focal lesion or intrahepatic biliary ductal dilatation. Hepatic and portal vein radicals are normal.

**GALL BLADDER** is partially distended. CBD is not dilated.

**PANCREAS** has normal shape, size and uniform echopattern. No evidence of ductal dilatation or calcification.

**SPLEEN** shows normal shape, size 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	9.8	1.8
Left Kidney	10.3	1.8

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

**PROSTATE** shows normal shape, size and echopattern. It measures 4.1 x 3.0 x 3.1 cms, Vol: 20.49 cc.

No evidence of ascites.

## **IMPRESSION:**

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

DR. HEMANANDINI V.N CONSULTANT RADIOLOGIST

Name	MR.VASUDEVAN B	ID	MED120814753
Age & Gender	45Y/MALE	Visit Date	25 Nov 2023
Ref Doctor Name	MediWheel		

## Hn/Mi

Name	MR.VASUDEVAN B	ID	MED120814753
Age & Gender	45Y/MALE	Visit Date	25 Nov 2023
Ref Doctor Name	MediWheel	-	

## **2D ECHOCARDIOGRAPHIC STUDY**

## **M-mode measurement:**

**AORTA** 2.78 cms. LEFT ATRIUM 3.24 cms. **AVS** 1.47 cms. LEFT VENTRICLE 5.14 (DIASTOLE) cms. (SYSTOLE) 3.34 cms. **VENTRICULAR SEPTUM** (DIASTOLE) 0.98 cms. (SYSTOLE) 1.13 cms. POSTERIOR WALL (DIASTOLE) 1.23 cms. (SYSTOLE) 1.54 cms. **EDV** 126 ml. **ESV** 45 ml. % FRACTIONAL SHORTENING 35 **EJECTION FRACTION** % 60 **EPSS** cms. **RVID** 1.80 cms.

## **DOPPLER MEASUREMENTS:**

MITRAL VALVE: E - 0.8 m/s A - 0.6 m/s NO MR.

AORTIC VALVE: 1.1 m/s NO AR.

TRICUSPID VALVE: E - 0.4 m/s A - 0.3 m/s NO TR.

PULMONARY VALVE: 0.8 m/s NO PR.

Name	MR.VASUDEVAN B	ID	MED120814753
Age & Gender	45Y/MALE	Visit Date	25 Nov 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.VASUDEVAN B	ID	MED120814753
Age & Gender	45Y/MALE	Visit Date	25 Nov 2023
Ref Doctor Name	MediWheel		

Name	Mr. VASUDEVAN B	Customer ID	MED120814753
Age & Gender	45Y/M	Visit Date	Nov 25 2023 8:28AM
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



Patient Name	Vasudevan B	Date	25/11/2023
Age	usurs	Visit Number	522318263
Sex	Male	Corporate	Mediwheel

## GENERAL PHYSICAL EXAMINATION

Identification Mark:

Height: 175 Cu

cms

Weight:

kgs

Pulse: 72

/minute

Blood Pressure : 10170 way

mm of Hg

BMI

**BMI INTERPRETATION** 

Underweight = <18.5

Normal weight = 18.5-24.9

Overweight = 25-29.9

Chest:

Expiration: 185 cm

cms

Inspiration: 108 chim

cms

Abdomen Measurement : 104 Cm

cms

Eyes:

NAD

Ears:

Throat: Not Inhumbed

Neck nodes:

18/2 MAJO

CVS:

Sr S20

PA :

Solt: Not touch

CNS:

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

NOTE: MEDICAL FIT FOR EMPLOYMENT YES / NO

Signature

Dr. RITESH RAJ, MBBS General Physician & Diabetologies

General Physician No: 85875
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