PID No.
 : MED210001631
 Register On
 : 13/04/2024 9:08 AM

 SID No.
 : 522405993
 Collection On
 : 13/04/2024 9:29 AM

 Age / Sex
 : 29 Year(s) / Male
 Report On
 : 13/04/2024 5:00 PM

 Type
 : OP
 Printed On
 : 14/04/2024 12:26 PM

Ref. Dr : MediWheel

<u>Investigation</u>	Observed Value	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
Complete Blood Count With - ESR			
Haemoglobin (EDTA Blood/Spectrophotometry)	16.2	g/dL	13.5 - 18.0
Packed Cell Volume(PCV)/Haematocrit (EDTA Blood)	46.2	%	42 - 52
RBC Count (EDTA Blood)	4.95	mill/cu.mm	4.7 - 6.0
Mean Corpuscular Volume(MCV) (EDTA Blood)	93.2	fL	78 - 100
Mean Corpuscular Haemoglobin(MCH) (EDTA Blood)	32.7	pg	27 - 32
Mean Corpuscular Haemoglobin concentration(MCHC) (EDTA Blood)	35.0	g/dL	32 - 36
RDW-CV	14.1	%	11.5 - 16.0
RDW-SD	47.3	fL	39 - 46
Total Leukocyte Count (TC) (EDTA Blood)	7100	cells/cu.mm	4000 - 11000
Neutrophils (Blood)	51.2	%	40 - 75
Lymphocytes (Blood)	37.1	%	20 - 45
Eosinophils (Blood)	2.7	%	01 - 06
Monocytes (Blood)	8.6	%	01 - 10
Basophils (Blood)	0.4	%	00 - 02

INTERPRETATION: Tests done on Automated Five Part cell counter. All abnormal results are reviewed and confirmed microscopically.





The results pertain to sample tested.

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<u>Investigation</u>	Observed <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
Absolute Neutrophil count (EDTA Blood)	3.6	10^3 / μl	1.5 - 6.6
Absolute Lymphocyte Count (EDTA Blood)	2.6	10^3 / μl	1.5 - 3.5
Absolute Eosinophil Count (AEC) (EDTA Blood)	0.2	10^3 / μl	0.04 - 0.44
Absolute Monocyte Count (EDTA Blood)	0.6	10^3 / μl	< 1.0
Absolute Basophil count (EDTA Blood)	0.0	10^3 / μl	< 0.2
Platelet Count (EDTA Blood)	247	10^3 / μl	150 - 450
MPV (Blood)	7.8	fL	7.9 - 13.7
PCT (Automated Blood cell Counter)	0.192	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate) (Citrated Blood)	2	mm/hr	< 15
Glucose Fasting (FBS) (Plasma - F/GOD-PAP)	95.35	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)	61.51	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) Negative (Urine - PP)





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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
Blood Urea Nitrogen (BUN) (Serum/Urease UV / derived)	5.6	mg/dL	7.0 - 21
Creatinine (Serum/Modified Jaffe)	0.97	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)	5.67	mg/dL	3.5 - 7.2
Liver Function Test			
Bilirubin(Total) (Serum/DCA with ATCS)	0.52	mg/dL	0.1 - 1.2
Bilirubin(Direct) (Serum/Diazotized Sulfanilic Acid)	0.19	mg/dL	0.0 - 0.3
Bilirubin(Indirect) (Serum/Derived)	0.33	mg/dL	0.1 - 1.0
SGOT/AST (Aspartate Aminotransferase) (Serum/Modified IFCC)	17.23	U/L	5 - 40
SGPT/ALT (Alanine Aminotransferase) (Serum/Modified IFCC)	22.24	U/L	5 - 41
GGT(Gamma Glutamyl Transpeptidase) (Serum/IFCC / Kinetic)	26.85	U/L	< 55
Alkaline Phosphatase (SAP) (Serum/Modified IFCC)	84.9	U/L	53 - 128
Total Protein (Serum/Biuret)	7.24	gm/dl	6.0 - 8.0
Albumin (Serum/Bromocresol green)	4.64	gm/dl	3.5 - 5.2
Globulin (Serum/Derived)	2.60	gm/dL	2.3 - 3.6





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<u>Investigation</u>	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
A : G RATIO (Serum/Derived)	1.78		1.1 - 2.2
<u>Lipid Profile</u>			
Cholesterol Total (Serum/CHOD-PAP with ATCS)	177.02	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/GPO-PAP with ATCS)	146.47	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 (Serum/Immunoinhibition)	38.79	mg/dL	Optimal(Negative Risk Factor): >= 60 Borderline: 40 - 59 High Risk: < 40
LDL Cholesterol (Serum/Calculated)	108.9	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >= 190
VLDL Cholesterol (Serum/Calculated)	29.3	mg/dL	< 30
Non HDL Cholesterol (Serum/Calculated)	138.2	mg/dL	Optimal: < 130 Above Optimal: 130 - 159 Borderline High: 160 - 189 High: 190 - 219 Very High: >= 220





: Mr. KIRTESH Name

PID No. : MED210001631 Register On : 13/04/2024 9:08 AM : 522405993 SID No. Collection On : 13/04/2024 9:29 AM Age / Sex : 29 Year(s) / Male Report On : 13/04/2024 5:00 PM **Type** : OP **Printed On** : 14/04/2024 12:26 PM

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

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 4.6 Optimal: < 3.3Low Risk: 3.4 - 4.4 Ratio Average Risk: 4.5 - 7.1 (Serum/Calculated) Moderate Risk: 7.2 - 11.0 High Risk: > 11.0

Optimal: < 2.5Triglyceride/HDL Cholesterol Ratio 3.8

Mild to moderate risk: 2.5 - 5.0 (TG/HDL) High Risk: > 5.0

(Serum/Calculated)

LDL/HDL Cholesterol Ratio 2.8 Optimal: 0.5 - 3.0 (Serum/Calculated) Borderline: 3.1 - 6.0

High Risk: > 6.0

Glycosylated Haemoglobin (HbA1c)

5.7 HbA1C % Normal: 4.5 - 5.6 Prediabetes: 5.7 - 6.4 (Whole Blood/HPLC)

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 116.89 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.

#### THYROID PROFILE / TFT

1.07 0.7 - 2.04T3 (Triiodothyronine) - Total ng/ml (Serum/ECLIA)





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

#### 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 4.72  $\mu$ 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) 2.58 µIU/mL 0.35 - 5.50

(Serum/ECLIA)

#### 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.

## PHYSICAL EXAMINATION (URINE

#### **COMPLETE**)

(Urine)

Colour (Urine)	Pale yellow	Yellow to Amber
Appearance (Urine)	Clear	Clear
Volume(CLU) (Urine)	20	
<u>CHEMICAL EXAMINATION</u> <u>COMPLETE)</u>	<u>(URINE</u>	

pH 5.5 4.5 - 8.0





**APPROVED BY** 

The results pertain to sample tested.

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Investigation	Observed Value	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
Specific Gravity (Urine)	1.005		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
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 Automa reviewed and confirmed microscopically.	ted Urine Analyser &	& Automated urine sedin	nentation analyser. All abnormal reports are
Casts (Urine)	NIL	/hpf	NIL





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 : 14/04/2024 12:26 PM

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 Investigation
 Observed Value
 Unit Value
 Biological Reference Interval

 Crystals (Urine)
 NIL /hpf
 NIL





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InvestigationObservedUnitBiologicalValueReference Interval

**URINE ROUTINE** 





**APPROVED BY** 

-- End of Report --

Name	MR.KIRTESH	ID	MED210001631
Age & Gender	29Y/MALE	Visit Date	13 Apr 2024
Ref Doctor Name	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** shows normal shape and has clear contents. 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** shows normal shape, size and echopattern.

No demonstrable Para-aortic lymphadenopathy.

#### **BOTH 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	8.9	1.6
Left Kidney	9.5	1.7

**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:**

• No significant abnormality detected.

DR. SHWETHA S CONSULTANT RADIOLOGIST

Name	MR.KIRTESH	ID	MED210001631
Age & Gender	29Y/MALE	Visit Date	13 Apr 2024
Ref Doctor Name	MediWheel		

Sw/Mi

Name	MR.KIRTESH	ID	MED210001631
Age & Gender	29Y/MALE	Visit Date	13 Apr 2024
Ref Doctor Name	MediWheel	-	

## **2D ECHOCARDIOGRAPHIC STUDY**

## **M-mode measurement:**

**AORTA** 2.52 cms. LEFT ATRIUM 3.14 cms. **AVS** 1.47 cms. LEFT VENTRICLE (DIASTOLE) 3.96 cms. (SYSTOLE) 2.32 cms. **VENTRICULAR SEPTUM** (DIASTOLE) 0.87 cms. (SYSTOLE) 1.29 cms. **POSTERIOR WALL** (DIASTOLE) 1.03 cms. (SYSTOLE) 1.29 cms. **EDV** 69 ml. **ESV** 18 ml. % FRACTIONAL SHORTENING 41 **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.KIRTESH	ID	MED210001631
Age & Gender	29Y/MALE	Visit Date	13 Apr 2024
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. KIRTESH	Customer ID	MED210001631
Age & Gender	29Y/M	Visit Date	Apr 13 2024 9:08AM
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: No significant abnormality detected.

DR.S.SHWETHA.,MDRD, CONSULTANT RADIOLOGIST



# **OPTICAL STORE**

#12 LAKSHMI NILAYA, GROUND FLOOR, 2ND MAIN ROAD, VYALIKAVAL, BENGALURU-560003 PH. 9611444957

Name Kintesh Age 291m	Ph. 8792515285
Chief Complaints  RE / LE / D O V / Blurring / Burning / Itch Redness / Headache	ing / Pricking
Past History  DM -Ve  HTN -Ve	Asthama — Ve Others — N; )—
Visual Acuity  RE LE  Distance / Near 6/6 (P) 6/6 (P)  With PH	
With Glasses  Colour Vision BE = Normal  RE	LE
Distance — 5.50 180	SPH CYL AXIS  - 0.50 180
Advise	CRADIKI JOLORUH I.

Ravi Kumar HIRIST (Consultant Optomotist) 619

Patient Visites	Date	13/04/24
Age 29	Visit Number	522405993
Sex M	Corporate	Mediwheel

# **GENERAL PHYSICAL EXAMINATION**

ı	dentification Mark	:

Height: 167

cms

Veight:

kgs

Pulse:

/minute

Blood Pressure : 110/70

mm of Hg

вмі

BMI INTERPRETATION

Underweight = <18.5

Normal weight = 18.5-24.9

Chest:

Expiration: 94

cms

Inspiration : 97

cms

Abdomen Measurement : 55

Eyes:

Ears:

cms

Throat :

Neck nodes:

Rd.

mil dans

CVS:

5 6

calt pet

CNS: NAI

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
KMC Reg. No: 85875
CI UMAX DIAGNOSTICS

