Name : Mr. KUMAR VIKASH BHUSHAN Register On : 04/01/2024 9:16 AM

: 522400128 Report On : 04/01/2024 4:54 PM

**Printed On** 

Ref. Dr : MediWheel Type : OP

Source : MediWheel

Age / Sex : 36 Year(s) / Male

SID No.

#### REPORT

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

#### **IMMUNOHAEMATOLOGY**

BLOOD GROUPING AND Rh 'O' 'Positive'

TYPING (EDTA Blood/Agglutination)

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



: 05/01/2024 8:57 AM

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<u>Investigation</u>	REPORT Observed Value	Unit	Biological Reference
<u>mvestigation</u>	Observed value	OIIIL	<u>Interval</u>
<b>HAEMATOLOGY</b>			
Complete Blood Count With - ESR			
Haemoglobin (EDTA Blood/ Spectrophotometry)	14.3	g/dL	13.5 - 18.0
Packed Cell Volume (PCV)/Haematocrit (EDTA Blood)	43.0	%	42 - 52
RBC Count (EDTA Blood)	4.82	mill/cu.mm	4.7 - 6.0
Mean Corpuscular Volume(MCV) (EDTA Blood)	89.1	fL	78 - 100
Mean Corpuscular Haemoglobin (MCH) (EDTA Blood)	29.7	pg	27 - 32
Mean Corpuscular Haemoglobin concentration(MCHC) (EDTA Blood)	33.3	g/dL	32 - 36
RDW-CV	14.9	%	11.5 - 16.0
RDW-SD	46.8	fL	39 - 46
Total Leukocyte Count (TC) (EDTA Blood)	6000	cells/cu.mm	4000 - 11000
Neutrophils (Blood)	57.4	%	40 - 75
Lymphocytes (Blood)	30.9	%	20 - 45
Eosinophils (Blood)	3.1	%	01 - 06
Monocytes (Blood)	8.3	%	01 - 10
Basophils (Blood)	0.3	%	00 - 02

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

Absolute Neutrophil count (EDTA 3.4  $10^3 / \mu l$  1.5 - 6.6

Blood)



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#### **REPORT**

<u>Investigation</u>	Observed Value	<u>Unit</u>	Biological Reference Interval
Absolute Lymphocyte Count (EDTA Blood)	1.9	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)	0.5	10^3 / µl	< 1.0
Absolute Basophil count (EDTA Blood)	0.0	10^3 / μl	< 0.2
Platelet Count (EDTA Blood)	235	10^3 / μl	150 - 450
MPV (Blood)	9.0	fL	7.9 - 13.7
PCT(Automated Blood cell Counter)	0.210	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate) (Citrated Blood)	11	mm/hr	< 15



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#### REPORT

<u>Investigation</u>	Observed Value	<u>Unit</u>	<b>Biological Reference</b>
_			<u>Interval</u>
DIOCHEMICTRY			

#### **BIOCHEMISTRY**

BUN / Creatinine Ratio 13.4 6.0 - 22.0

Glucose Fasting (FBS) (Plasma - F/ 99.85 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) (Urine - F/ Negative Negative GOD - POD)

Glucose Postprandial (PPBS) 98.03 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)	12.6	mg/dL	7.0 - 21
Creatinine (Serum/Modified Jaffe)	0.94	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) 4.88 mg/dL 3.5 - 7.2

#### **Liver Function Test**

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

Ref. Dr : MediWheel Type : OP

Source : MediWheel

R	Ε	Р	R	T	

<u>Investigation</u>	Observed Value	<u>Unit</u>	Biological Reference Interval
Bilirubin(Total) (Serum/DCA with ATCS)	0.52	mg/dL	0.1 - 1.2
Bilirubin(Direct) (Serum/Diazotized Sulfanilic Acid)	0.31	mg/dL	0.0 - 0.3
Bilirubin(Indirect) (Serum/Derived)	0.21	mg/dL	0.1 - 1.0
SGOT/AST (Aspartate Aminotransferase) (Serum/Modified IFCC)	22.97	U/L	5 - 40
SGPT/ALT (Alanine Aminotransferase) (Serum/Modified IFCC)	37.63	U/L	5 - 41
GGT(Gamma Glutamyl Transpeptidase) (Serum/IFCC / Kinetic)	30.34	U/L	< 55
Alkaline Phosphatase (SAP) (Serum/ Modified IFCC)	58.6	U/L	53 - 128
Total Protein (Serum/Biuret)	6.94	gm/dl	6.0 - 8.0
Albumin (Serum/Bromocresol green)	4.65	gm/dl	3.5 - 5.2
Globulin (Serum/Derived)	2.29	gm/dL	2.3 - 3.6
A: GRATIO (Serum/Derived)	2.03		1.1 - 2.2
<u>Lipid Profile</u>			
Cholesterol Total (Serum/CHOD-PAP with ATCS)	146.49	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240



Register On Name : Mr. KUMAR VIKASH BHUSHAN : 04/01/2024 9:16 AM

PID No. Collection On : 04/01/2024 10:18 AM : MED122383840

SID No. : 522400128 Report On : 04/01/2024 4:54 PM

Ref. Dr : MediWheel : OP **Type** 

Source : MediWheel

: 36 Year(s) / Male

Age / Sex

#### REPORT

#### **Investigation** Observed Value Unit Biological Reference Interval

**Printed On** 

Optimal: < 150 Triglycerides (Serum/GPO-PAP with 106.33 mg/dL

ATCS)

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 husual+Acirculating level of triglycerides during most part of the day.

HDL Cholesterol (Serum/	35.39	mg/dL	Optimal(Negative Risk Factor): >= 60
Immunoinhibition)			Borderline: 40 - 59

Immunoinhibition)

: 05/01/2024 8:57 AM

High Risk: < 40

LDL Cholesterol (Serum/Calculated) 89.8 mg/dL Optimal: < 100

Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >= 190

< 30 mg/dL VLDL Cholesterol (Serum/Calculated) 21.3

Optimal: < 130 Non HDL Cholesterol (Serum/ mg/dL 111.1

Calculated)

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 4.1 Ratio (Serum/Calculated)

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



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: 36 Year(s) / Male

Age / Sex

#### **REPORT**

**Printed On** 

<u>Investigation</u>	Observed Value	<u>Unit</u>	Biological Reference Interval
Triglyceride/HDL Cholesterol Ratio (TG/HDL) (Serum/Calculated)	3		Optimal: < 2.5 Mild to moderate risk: 2.5 - 5.0 High Risk: > 5.0
LDL/HDL Cholesterol Ratio (Serum/Calculated)	2.5		Optimal: 0.5 - 3.0 Borderline: 3.1 - 6.0 High Risk: > 6.0
Glycosylated Haemoglobin (HbA1c	)		
HbA1C (Whole Blood/HPLC)	5.7	%	Normal: 4.5 - 5.6 Prediabetes: 5.7 - 6.4

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

Estimated Average Glucose (Whole 116.89 mg/dL

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.



Diabetic: >= 6.5

: 05/01/2024 8:57 AM

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PID No. Collection On : 04/01/2024 10:18 AM : MED122383840

: 522400128 Report On : 04/01/2024 4:54 PM

: 36 Year(s) / Male **Printed On** : 05/01/2024 8:57 AM Ref. Dr : MediWheel

Source : MediWheel

REPORT

**Investigation Observed Value Unit** Biological Reference Interval

**Type** 

: OP

**IMMUNOASSAY** 

THYROID PROFILE / TFT

0.7 - 2.04T3 (Triiodothyronine) - Total (Serum/ ng/ml 1.25

ECLIA)

SID No.

Age / Sex

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.

4.2 - 12.09.52 µg/dl T4 (Tyroxine) - Total (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.

0.35 - 5.50TSH (Thyroid Stimulating Hormone) 2.83 µIU/mL

(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

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.



Ref. Dr : MediWheel Type : OP

Source : MediWheel

#### **REPORT**

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

#### **CLINICAL PATHOLOGY**

#### **URINE ROUTINE**

# <u>PHYSICAL EXAMINATION (URINE</u> <u>COMPLETE)</u>

Colour (Urine) Yellow Yellow Yellow

Appearance (Urine) Clear Clear

Volume(CLU) (Urine) 25

# <u>CHEMICAL EXAMINATION (URINE</u> COMPLETE)

4.5 - 8.0 5.0 pH (Urine) Specific Gravity (Urine) 1.020 1.002 - 1.035 Negative Ketone (Urine) Negative Normal Normal Urobilinogen (Urine) Negative Blood (Urine) Negative Negative Nitrite (Urine) Negative Negative Bilirubin (Urine) Negative Negative Protein (Urine) Negative

Negative

Leukocytes(CP) (Urine) Negative

# MICROSCOPIC EXAMINATION

Glucose (Urine/GOD - POD)

(URINE COMPLETE)

Pus Cells (Urine)

6-1

Cells (Urine)

6-1

Cells (Urine)

NIL

NIL

HPF

NIL



Negative

Ref. Dr : MediWheel Type : OP

Source : MediWheel

#### **REPORT**

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

Others (Urine)

INTERPRETATION: Note: Done with Automated Urine Analyser & Automated urine sedimentation analyser. All abnormal reports

are reviewed and confirmed microscopically.

Casts (Urine)

NIL /hpf NIL

Crystals (Urine)

NIL /hpf NIL

Crystals (Urine) NIL /hpf

STOOL ANALYSIS - ROUTINE
PHYSICAL EXAMINATION(STOOL

COMPLETE)

Mucus (Stool) Absent Absent

Consistency (Stool) Semi Solid Semi Solid to Solid

Colour (Stool) Yellow Brown

Blood (Stool) Absent Absent

MICROSCOPIC EXAMINATION (STOOL COMPLETE)

Ova (Stool) NIL NIL

Cysts (Stool) NIL NIL

Trophozoites (Stool) NIL NIL

RBCs (Stool) NIL /hpf Nil
Pus Cells (Stool) **0-1** /hpf NIL

Others (Stool)

CHEMICAL EXAMINATION(STOOL

ROUTINE)



Name : Mr. KUMAR VIKASH BHUSHAN Register On

**PID No.** : MED122383840

**SID No.** : 522400128

Age / Sex : 36 Year(s) / Male

Ref. Dr : MediWheel

Source : MediWheel

**Investigation** 

Reaction (Stool)

Benedict's)

Reducing Substances (Stool/

**Register On** : 04/01/2024 9:16 AM

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**Printed On** : 05/01/2024 8:57 AM

Type : OP

#### **REPORT**

Alkaline

Negative

#### Observed Value Unit

#### Biological Reference Interval

Alkaline

Negative

Dr.Arjun C.P MBBS,MD Pathology Reg No:KMO 89655

-- End of Report --

Name	MR.KUMAR VIKASH BHUSHAN	ID	MED122383840
Age & Gender	36Y/MALE	Visit Date	04 Jan 2024
Ref Doctor Name	MediWheel	-	

#### ABDOMINO-PELVIC ULTRASONOGRAPHY

**LIVER** is normal in shape, size (14.1 cm) and shows 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	13.4	1.6
Left Kidney	12.0	1.6

**URINARY BLADDER** is partially distended. No evidence of diverticula.

**PROSTATE:** Visualized prostate appears normal. It measures 3.6 x 2.8 x 2.9 cms and Vol: 15.8 cc.

No evidence of ascites.

#### **IMPRESSION:**

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

DR. HEMANANDINI V.N CONSULTANT RADIOLOGIST Hn/Mi

Name	MR.KUMAR VIKASH BHUSHAN	ID	MED122383840
Age & Gender	36Y/MALE	Visit Date	04 Jan 2024
Ref Doctor Name	MediWheel	•	

Name	MR.KUMAR VIKASH BHUSHAN	ID	MED122383840
Age & Gender	36Y/MALE	Visit Date	04 Jan 2024
Ref Doctor Name	MediWheel		

#### 2D ECHOCARDIOGRAPHIC STUDY

#### **M-mode measurement:**

**AORTA** 2.49 cms. LEFT ATRIUM 3.94 cms. **AVS** 1.47 cms. LEFT VENTRICLE (DIASTOLE) 4.89 cms. (SYSTOLE) 3.19 cms. **VENTRICULAR SEPTUM** (DIASTOLE) 1.10 cms. (SYSTOLE) 1.23 cms. **POSTERIOR WALL** (DIASTOLE) 1.16 cms. (SYSTOLE) 1.74 cms. **EDV** 101 ml. **ESV** 40 ml. % FRACTIONAL SHORTENING 32 **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.KUMAR VIKASH BHUSHAN	ID	MED122383840
Age & Gender	36Y/MALE	Visit Date	04 Jan 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.KUMAR VIKASH BHUSHAN	ID	MED122383840
Age & Gender	36Y/MALE	Visit Date	04 Jan 2024
Ref Doctor Name	MediWheel	-	

Name	Mr. KUMAR VIKASH BHUSHAN	Customer ID	MED122383840
Age & Gender	36Y/M	Visit Date	Jan 4 2024 9:15AM
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. Hemanandini Consultant Radiologist

and.vy

# OPTICAL STORE

Unique Collection

Ph: 9611444957

Vyalikaval Main road No; 12 Lakshmi Nilaya, Ground Floor, 2nd Main Road, Vyalikaval, Bengaluru Xarnataka - 560003

Name Kuman V; kash ibhushanno 9013930269

CHIEF COMPLAINTS

RE/LE/BE:

DOV / Blurring / Eyeache / Burning

Itching / Pricking / Redness

Visual Activity:

and the second	T	RE.	I	E	1
Distance/ Near	6	16/0	16	16	0
. With PH		fred o		, –	1
With Glasses/Cl		_			1

Color Vision: BE= Normal

RE LE

SPH CYL AXIS VN SPH CYL AXIS VN

Distance 0.500.75 90 616 0.50 - 616

Near

Advise: Constant Use / Near Use / Distance Only

Consuppometrist Reg. No. 051619

Patient Name	Kumar Vikası	Date Bhushao	ulile phagnostics experts who care
Age	36425	Visit Number	522400128
Sex	Male	Corporate	Mediwheel

# **GENERAL PHYSICAL EXAMINATION**

lder	Itifica	tion	Mark	:

Height: 1

cms

Weight: 97-4

kgs

Pulse: & Lyn

/minute

Blood Pressure: 101 80

mm of Hg

: 30.7 BMI

**BMI INTERPRETATION** 

Underweight = <18.5

Normal weight = 18.5-24.9

Overweight = 25-29.9

Chest:

Expiration:

cms

Inspiration:

cms

Abdomen Measurement :

cms

Throat of Clivically NAD

Ears: chickly Nop

Neck nodes: No lymphaleropalty
CVS: Gl. (9)

RS: BIC NUBIO

PA: SOFT, BS@

CNS: convious of oriente

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

NOTE: MEDICAL FIT FOR EMPLOYMENT YES / NO

Signature

KMC Reg. No: 85875 CI UMAX DIAGNOSTICS

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