Name	: Mr. KISHORE KOLLI RAMA		
PID No.	: MED111450889	Register On	: 11/01/2023 9:42 AM
SID No.	: 423001741	Collection On	: 11/01/2023 9:49 AM
Age / Sex	: 33 Year(s) / Male	Report On	: 11/01/2023 6:15 PM
Туре	: OP	Printed On	: 19/01/2023 7:52 PM
Ref. Dr	: MediWheel		

Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> Reference Interval
<b>HAEMATOLOGY</b>			
<b>Complete Blood Count With - ESR</b>			
Haemoglobin (EDTA Blood'Spectrophotometry)	12.7	g/dL	13.5 - 18.0
Packed Cell Volume(PCV)/Haematocrit (EDTA Blood)	40.0	%	42 - 52
RBC Count (EDTA Blood)	5.20	mill/cu.mm	4.7 - 6.0
Mean Corpuscular Volume(MCV) (EDTA Blood)	77.0	fL	78 - 100
Mean Corpuscular Haemoglobin(MCH) (EDTA Blood)	24.4	pg	27 - 32
Mean Corpuscular Haemoglobin concentration(MCHC) (EDTA Blood)	31.6	g/dL	32 - 36
RDW-CV (EDTA Blood)	13.4	%	11.5 - 16.0
RDW-SD (EDTA Blood)	36.11	fL	39 - 46
Total Leukocyte Count (TC) (EDTA Blood)	5800	cells/cu.mm	4000 - 11000
Neutrophils (EDTA Blood)	61.1	%	40 - 75
Lymphocytes (EDTA Blood)	29.6	%	20 - 45
Eosinophils (EDTA Blood)	1.3	%	01 - 06
Monocytes (EDTA Blood)	7.7	%	01 - 10



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Investigation	<u>Observed</u> <u>Value</u>	Unit	<u>Biological</u> Reference Interval
Basophils (Blood)	0.3	%	00 - 02
INTERPRETATION: Tests done on Automated Five F	Part cell counter. All	abnormal results are re	viewed and confirmed microscopically.
Absolute Neutrophil count (EDTA Blood)	3.54	10^3 / µl	1.5 - 6.6
Absolute Lymphocyte Count (EDTA Blood)	1.72	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)	0.45	10^3 / µl	< 1.0
Absolute Basophil count (EDTA Blood)	0.02	10^3 / µl	< 0.2
Platelet Count (EDTA Blood)	379	10^3 / µl	150 - 450
MPV (EDTA Blood)	6.1	fL	7.9 - 13.7
PCT (EDTA Blood/Automated Blood cell Counter)	0.23	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate) (Citrated Blood)	22	mm/hr	< 15

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

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Investigation <u>BIOCHEMISTRY</u>	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> Reference Interval
Liver Function Test			
Bilirubin(Total) (Serum/DCA with ATCS)	0.84	mg/dL	0.1 - 1.2
Bilirubin(Direct) (Serum/Diazotized Sulfanilic Acid)	0.40	mg/dL	0.0 - 0.3
Bilirubin(Indirect) (Serum/Derived)	0.44	mg/dL	0.1 - 1.0
SGOT/AST (Aspartate Aminotransferase) (Serum/ <i>Modified IFCC</i> )	13.51	U/L	5 - 40
SGPT/ALT (Alanine Aminotransferase) (Serum/ <i>Modified IFCC</i> )	10.93	U/L	5 - 41
GGT(Gamma Glutamyl Transpeptidase) (Serum/IFCC / Kinetic)	30.09	U/L	< 55
Alkaline Phosphatase (SAP) (Serum/ <i>Modified IFCC</i> )	106.0	U/L	53 - 128
Total Protein (Serum/Biuret)	6.93	gm/dl	6.0 - 8.0
Albumin (Serum/Bromocresol green)	4.77	gm/dl	3.5 - 5.2
Globulin (Serum/Derived)	2.16	gm/dL	2.3 - 3.6
A : G RATIO	2.21		1.1 - 2.2

(Serum/Derived)



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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
<u>Lipid Profile</u>			
Cholesterol Total (Serum/CHOD-PAP with ATCS)	181.59	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/ <i>GPO-PAP with ATCS</i> )	52.44	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)	32.07	mg/dL	Optimal(Negative Risk Factor): >= 60 Borderline: 40 - 59 High Risk: < 40
LDL Cholesterol (Serum/Calculated)	139	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >=190
VLDL Cholesterol (Serum/Calculated)	10.5	mg/dL	< 30
Non HDL Cholesterol (Serum/Calculated)	149.5	mg/dL	Optimal: < 130 Above Optimal: 130 - 159 Borderline High: 160 - 189 High: 190 - 219 Very High: >= 220



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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> Reference Interval	
<b>INTERPRETATION:</b> 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)	5.7		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/ <i>Calculated</i> )	1.6		Optimal: < 2.5 Mild to moderate risk: 2.5 - 5.0 High Risk: > 5.0	
LDL/HDL Cholesterol Ratio (Serum/Calculated)	4.3		Optimal: 0.5 - 3.0 Borderline: 3.1 - 6.0 High Risk: > 6.0	



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Investigation Glycosylated Haemoglobin (HbA1c)	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
HbA1C (Whole Blood/ <i>HPLC</i> )	6.1	%	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	128.37	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.



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Investigation	<u>Observed</u> Value	<u>Unit</u>	<u>Biological</u> Reference Interval	
<b>IMMUNOASSAY</b>	<u></u>			
THYROID PROFILE / TFT				
T3 (Triiodothyronine) - Total (Serum/ <i>ECLIA</i> )	2.28	ng/ml	0.7 - 2.04	
<b>INTERPRETATION:</b> <b>Comment :</b> Total T3 variation can be seen in other condition like pres Metabolically active.	gnancy, drugs, nepl	nrosis etc. In such cas	es, Free T3 is recommended as it is	
T4 (Tyroxine) - Total (Serum/ <i>ECLIA</i> )	9.96	µg/dl	4.2 - 12.0	
<b>INTERPRETATION:</b> <b>Comment :</b> Total T4 variation can be seen in other condition like prea Metabolically active.	gnancy, drugs, nepl	nrosis etc. In such cas	es, Free T4 is recommended as it is	
TSH (Thyroid Stimulating Hormone) (Serum/ECLIA)	0.767	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 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				
2.1SH Levels are subject to circadian variation, reaching of the order of 50%,hence time of the day has influence of 3.Values&amplt0.03 µIU/mL need to be clinically correl	on the measured ser	rum TSH concentratio	ns.	

3.Values&amplt0.03 µIU/mL need to be clinically correlated due to presence of rare TSH variant in some individuals.



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PID No.	: MED111450889	Register On : 11/01/2023 9:42	2 AM
SID No.	: 423001741	Collection On : 11/01/2023 9:4	9 AM
Age / Sex	: 33 Year(s) / Male	Report On : 11/01/2023 6:1	5 PM
Туре	: OP	Printed On : 19/01/2023 7:5	2 PM
Ref. Dr	: MediWheel		

	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
<b>CLINICAL PATHOLOGY</b>			
<u>PHYSICAL EXAMINATION (URINE</u> <u>COMPLETE)</u>			
Colour (Urine)	Pale yellow		Yellow to Amber
Appearance (Urine)	Clear		Clear
Volume(CLU) (Urine)	20		
<u>CHEMICAL EXAMINATION (URINE</u> <u>COMPLETE)</u>			
pH (Urine)	6.5		4.5 - 8.0
Specific Gravity (Urine)	1.010		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> <u>Reference Interval</u>
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 (Urine)	NIL	/hpf	NIL

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Investigation <u>PHYSICAL EXAMINATION(STOOL</u> <u>COMPLETE)</u>	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
Mucus (Stool)	Absent		Absent
Consistency (Stool)	Semi solid		Semi Solid to Solid
Colour (Stool)	Brown		Brown
Blood (Stool)	Absent		Absent
<u>MICROSCOPIC EXAMINATION(STOOL</u> <u>COMPLETE)</u>			
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)	NIL		
<u>CHEMICAL EXAMINATION(STOOL</u> <u>ROUTINE)</u>			

Reaction (Stool)

Acidic

Alkaline

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### **Investigation**

Reducing Substances (Stool/Benedict's)

Observed Value Negative Biological Reference Interval Negative



<u>Unit</u>

Name	: Mr. KISHORE KOLLI RAM	Α	
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### **Investigation**

# **IMMUNOHAEMATOLOGY**

BLOOD GROUPING AND Rh TYPING (EDTA Blood/Agglutination)

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

'AB' 'Positive'

Biological Reference Interval

Dr.Arjun C.P MBBS.MD Pathology Reg NorKMC 89655

APPROVED BY

<u>Unit</u>

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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
<b>BIOCHEMISTRY</b>			
BUN / Creatinine Ratio	12.6		6.0 - 22.0
Glucose Fasting (FBS) (Plasma - F/GOD-PAP)	91.40	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)	96.13 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)	9.1	mg/dL	7.0 - 21
Creatinine	0.72	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.

Uric Acid		5.31	mg/dL	3.5 - 7.2
(6 (5	• •			

(Serum/Enzymatic)



-- End of Report --

Name	MR. KISHORE KOLLI RAMA	ID	MED111450889
Age & Gender	33Y/MALE	Visit Date	11 Jan 2023
Ref Doctor Name	MediWheel		

## **2 D ECHOCARDIOGRAPHIC STUDY**

## M mode measurement:

AORTA			: 3.0cms
LEFT ATRIUM			: 3.2cms
AVS			:
LEFT VENTRICLE	(DIASTOLE)	)	: 4.1cms
(SYS	TOLE)	: 2.7cn	ns
VENTRICULAR SEPTUM	(DIASTOLE)		: 0.9cms
(SYS	TOLE)	: 1.2cn	ns
POSTERIOR WALL	(DIASTOLE)		: 0.9cms
(SYS)	TOLE)	: 1.4cn	ns
EDV			: 74ml
ESV			: 27ml
FRACTIONAL SHORTENI	NG		: 34%
EJECTION FRACTION			: 64%
EPSS			:
RVID			: 1.94cms

# **DOPPLER MEASUREMENTS:**

MITRAL VALVE	: E' 0.72 m/s	A' 0.49 m/s NO MR
AORTIC VALVE	: 1.08 m/s	NO AR
TRICUSPID VALVE	: E' - m/s A' - m	/s NO TR
PULMONARY VALVE	: 0.94 m/s	NO PR

Name	MR. KISHORE KOLLI RAMA	ID	MED111450889
Age & Gender	33Y/MALE	Visit Date	11 Jan 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.
Tricuspid valve Pulmonary valve	: Normal. : Normal.
Pulmonary valve	: Normal.

### **IMPRESSION:**

- > NORMAL LV SYSTOLIC FUNCTION. EF: 64%.
- > NO REGIONAL WALL MOTION ABNORMALITIES.
- > NORMAL VALVES.
- > NO CLOTS / PERICARDIAL EFFUSION / VEGETATION.

DR. K.S. SUBRAMANI. MBBS, MD, DM (CARDIOLOGY) FESC, FICC SENIOR CONSULTANT INTERVENTIONAL CARDIOLOGIST Kss/VP

Note:

\* Report to be interpreted by qualified medical professional.

<sup>&</sup>gt; NORMAL SIZED CARDIAC CHAMBERS.

Name	MR. KISHORE KOLLI RAMA	ID	MED111450889
Age & Gender	33Y/MALE	Visit Date	11 Jan 2023
Ref Doctor Name	MediWheel		

\* To be correlated with other clinical findings.
\* Parameters may be subjected to inter and intra observer variations.
\* Any discrepancy in reports due to typing errors should be corrected as soon as possible.

Name	MR. KISHORE KOLLI RAMA	ID	MED111450889
Age & Gender	33Y/MALE	Visit Date	11 Jan 2023
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### 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 few non-mobile echogenicities along the anterior and posterior wall, measuring 2-3 mm. No bilary dilatation. Gall bladder 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. Spleen measures -cms in long axis. No demonstrable Para -aortic lymphadenopathy.

**KIDNEYS** move well with respiration and have normal shape, size and echopattern. Cortico- medullary differentiations are well madeout. No evidence of calculus or hydronephrosis on left side.

Right kidney shows a calculus, measuring 3.5 mm in lower pole. No hydronephrosis. The kidney measures as follows:

	<b>Bipolar length (cms)</b>	Parenchymal thickness (cms)
Right Kidney	10.3	0.9
Left Kidney	11.7	1.5

**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 2.4 x 2.6 x 2.9 cms (Vol:9.5 cc).

No evidence of ascites / pleural effusion.

#### **IMPRESSION:**

- ➢ Gallbladder polyps.
- Right non-obstructive renal calculus.

DR. APARNA CONSULTANT RADIOLOGIST A/PR

Name	MR. KISHORE KOLLI RAMA	ID	MED111450889
Age & Gender	33Y/MALE	Visit Date	11 Jan 2023
Ref Doctor Name	MediWheel		

Name	KISHORE KOLLI RAMA	Customer ID	MED111450889
Age & Gender	33Y/M	Visit Date	Jan 11 2023 9:33AM
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.

sae

DR. APARNA CONSULTANT RADIOLOGIST