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

TYPING

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

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

Complete Blood Count With - ESR

Haemoglobin (EDTA Blood'Spectrophotometry)	13.3	g/dL	13.5 - 18.0
Packed Cell Volume(PCV)/Haematocrit (EDTA Blood)	40.3	%	42 - 52
RBC Count (EDTA Blood)	4.73	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)	32.9	g/dL	32 - 36
RDW-CV	14.1	%	11.5 - 16.0
RDW-SD	42.05	fL	39 - 46
Total Leukocyte Count (TC) (EDTA Blood)	8300	cells/cu.m m	4000 - 11000
Neutrophils (Blood)	57.3	%	40 - 75
Lymphocytes (Blood)	30.0	%	20 - 45
Eosinophils (Blood)	2.9	%	01 - 06





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Monocytes (Blood)	8.8	%	01 - 10
Basophils (Blood)	1.0	%	00 - 02
INTERPRETATION: Tests done on Automated Fiv	e Part cell counter. All	abnormal results are	reviewed and confirmed microscopically.
Absolute Neutrophil count (EDTA Blood)	4.76	10^3 / μl	1.5 - 6.6
Absolute Lymphocyte Count (EDTA Blood)	2.49	10^3 / μl	1.5 - 3.5
Absolute Eosinophil Count (AEC) (EDTA Blood)	0.24	10^3 / μl	0.04 - 0.44
Absolute Monocyte Count (EDTA Blood)	0.73	10^3 / μl	< 1.0
Absolute Basophil count (EDTA Blood)	0.08	10^3 / μl	< 0.2
Platelet Count (EDTA Blood)	282	10^3 / μl	150 - 450
MPV (Blood)	7.0	fL	7.9 - 13.7
PCT (Automated Blood cell Counter)	0.20	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate) (Citrated Blood)	6	mm/hr	< 20
BUN / Creatinine Ratio	10.2		6.0 - 22.0
Glucose Fasting (FBS) (Plasma - F/GOD-PAP)	124.45	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)	Negative		Negative
Glucose Postprandial (PPBS) (Plasma - PP/GOD-PAP)	148.25	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)	Trace		Negative
Blood Urea Nitrogen (BUN) (Serum/Urease UV / derived)	7.8	mg/dL	7.0 - 21
Creatinine (Serum/Modified Jaffe)	0.76	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.

cic.			
Uric Acid	4.52	mg/dL	3.5 - 7.2
(Serum/Enzymatic)			
Liver Function Test			
Bilirubin(Total)	0.61	mg/dL	0.1 - 1.2
(Serum/DCA with ATCS)			
Bilirubin(Direct)	0.23	mg/dL	0.0 - 0.3
(Serum/Diazotized Sulfanilic Acid)			
Bilirubin(Indirect)	0.38	mg/dL	0.1 - 1.0
(Serum/Derived)		•	
SGOT/AST (Aspartate	23.36	U/L	5 - 40
Aminotransferase)			
(Serum/Modified IFCC)			
SGPT/ALT (Alanine Aminotransferase)	31.53	U/L	5 - 41
(Serum/Modified IFCC)	- 100		-
•			





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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
GGT(Gamma Glutamyl Transpeptidase) (Serum/IFCC / Kinetic)	26.18	U/L	< 55
Alkaline Phosphatase (SAP) (Serum/Modified IFCC)	82.5	U/L	56 - 119
Total Protein (Serum/Biuret)	7.21	gm/dl	6.0 - 8.0
Albumin (Serum/Bromocresol green)	4.54	gm/dl	3.5 - 5.2
Globulin (Serum/Derived)	2.67	gm/dL	2.3 - 3.6
A : G RATIO (Serum/Derived)	1.70		1.1 - 2.2
<u>Lipid Profile</u>			
Cholesterol Total (Serum/CHOD-PAP with ATCS)	175.64	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/GPO-PAP with ATCS)	193.26	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 41.32 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)	95.6	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >= 190
VLDL Cholesterol (Serum/Calculated)	38.7	mg/dL	< 30
Non HDL Cholesterol (Serum/Calculated)	134.3	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.

4.3	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
4.7	Optimal: < 2.5
	Mild to moderate risk: 2.5 - 5.0
	High Risk: > 5.0
2.3	Optimal: 0.5 - 3.0
	Borderline: 3.1 - 6.0
	High Risk: > 6.0
	4.7

Glycosylated Haemoglobin (HbA1c)





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HbA1C	8.0	%	Normal: 4.5 - 5.6
(Whole Blood/HPLC)			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 182.9 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 HbAlc.

Prostate specific antigen - Total(PSA)

0.457 ng/ml

Normal: 0.0 - 4.0

(Serum/Manometric method)

Inflammatory & Non Malignant conditions of Prostate & genitourinary

system: 4.01 - 10.0 Suspicious of Malignant disease of

Prostate: > 10.0

THYROID PROFILE / TFT

T3 (Triiodothyronine) - Total 1.72 ng/ml 0.4 - 1.81

(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 6.77 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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Investigation	Observed <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
TSH (Thyroid Stimulating Hormone)	1.80	$\mu IU/mL$	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&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)	Yellow	Yellow to Amber
Appearance (Urine)	Clear	Clear
Volume(CLU) (Urine)	25	
CHEMICAL EXAMINATION (UK COMPLETE)	<u>RINE</u>	
pH (Urine)	5.5	4.5 - 8.0
Specific Gravity (Urine)	1.017	1.002 - 1.035
Ketone (Urine)	Negative	Negative





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Investigation	Observed Value	<u>Unit</u>	<u>Biological</u> Reference Interval
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		
INTERPRETATION: Note: Done with Automat reviewed and confirmed microscopically.	ted Urine Analyser & Autor	nated urine sedim	nentation analyser. All abnormal reports are
Casts (Urine)	NIL	/hpf	NIL
Crystals (Urine)	NIL	/hpf	NIL





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Туре : OP

Ref. Dr : MediWheel

-- End of Report --

Name	MR.BASAVARAJU S	ID	MED122272598
Age & Gender	57Y/MALE	Visit Date	11 Nov 2023
Ref Doctor Name	MediWheel	-	

ABDOMINO-PELVIC ULTRASONOGRAPHY

LIVER is normal in shape, size (13.7 cm) and shows increased and mildly coarsened echotexture. No evidence of obvious focal lesion or intrahepatic biliary ductal dilatation. Hepatic and portal vein radicals are normal.

GALL BLADDER: Post cholecystectomy status.

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:

THE HIGHE HICKORY OF TOHICK IST				
·	Bipolar length (cms)	Parenchymal thickness (cms)		
Right Kidney	11.6	1.9		
Left Kidney	11.4	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. It measures 5.3 x 2.7 x 3.1 cms and Vol: 23 cc.

No evidence of ascites.

A small defect measuring 17 mm is noted in the level of umbilicus with herniation of omentum. Contents are partially reducible.

IMPRESSION:

- Grade I fatty infiltration with mildly coarsened echotexture of liver Suggested LFT correlation.
- Umbilical hernia.

Name	MR.BASAVARAJU S	ID	MED122272598
Age & Gender	57Y/MALE	Visit Date	11 Nov 2023
Ref Doctor Name	MediWheel		

DR. HEMANANDINI V.N CONSULTANT RADIOLOGIST Hn/Mi

Name	MR.BASAVARAJU S	ID	MED122272598
Age & Gender	57Y/MALE	Visit Date	11 Nov 2023
Ref Doctor Name	MediWheel		

2D ECHOCARDIOGRAPHIC STUDY

M-mode measurement:

AORTA 2.42 cms. LEFT ATRIUM 2.42 cms. **AVS** 1.45 cms. LEFT VENTRICLE (DIASTOLE) 4.03 cms. (SYSTOLE) 3.04 cms. **VENTRICULAR SEPTUM** (DIASTOLE) 1.13 cms. (SYSTOLE) 1.44 cms. **POSTERIOR WALL** (DIASTOLE) 0.93 cms. (SYSTOLE) 1.24 cms. **EDV** 98 ml. **ESV** 37 ml. FRACTIONAL SHORTENING 40 % **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.BASAVARAJU S	ID	MED122272598
Age & Gender	57Y/MALE	Visit Date	11 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:(FAIR APICAL WINDOW)

- 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.BASAVARAJU S	ID	MED122272598
Age & Gender	57Y/MALE	Visit Date	11 Nov 2023
Ref Doctor Name	MediWheel	-	

Name	Mr. BASAVARAJU S	Customer ID	MED122272598
Age & Gender	57Y/M	Visit Date	Nov 11 2023 8:15AM
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.

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

DR KARTHIK VIJAY DATTANI. MD., PDCC CONSULTANT RADIOLOGIST



Patient Name	Basavaraic	Date	11/11/2023
Age	5748	Visit Number	522317629
Sex	Male	Corporate	Medinshee

GENERAL PHYSICAL EXAMINATION

Identification Mark:

Height; (65 cm

Weight: 77-3 kgs

Pulse: 90 minute

Blood Pressure: 130/90 mm of Hg

BMI : 28,3

BMI INTERPRETATION

Underweight = <18.5 Normal weight = 18.5-24.9

Overweight = 25-29.9

Chest:

Expiration: CO - cms

Inspiration: low cms

Abdomen Measurement : 107 cms

Eves: For rightedun Ears: Chirally MAN

Throat: Not injected Neck nodes: No lymphodeus pattry noted

RS: BU NOBS CVS: 5, S, D

PA: Non terde consists forested

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 engral Physician & Diabetologies KMC Reg. No: 85875

DIAGNOSTICS

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