PID No.
 : MED121796777
 Register On
 : 08/04/2023 9:04 AM

 SID No.
 : 522305455
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 Age / Sex
 : 35 Year(s) / Female
 Report On
 : 08/04/2023 7:37 PM

 Type
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Investigation	Observed Value	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
<b>HAEMATOLOGY</b>			
Complete Blood Count With - ESR			
Haemoglobin (EDTA Blood/Spectrophotometry)	11.0	g/dL	12.5 - 16.0
Packed Cell Volume(PCV)/Haematocrit (EDTA Blood)	33.9	%	37 - 47
RBC Count (EDTA Blood)	4.18	mill/cu.mm	4.2 - 5.4
Mean Corpuscular Volume(MCV) (EDTA Blood)	81.3	fL	78 - 100
Mean Corpuscular Haemoglobin(MCH) (EDTA Blood)	26.2	pg	27 - 32
Mean Corpuscular Haemoglobin concentration(MCHC) (EDTA Blood)	32.3	g/dL	32 - 36
RDW-CV	14.2	%	11.5 - 16.0
RDW-SD	40.41	fL	39 - 46
Total Leukocyte Count (TC) (EDTA Blood)	5300	cells/cu.mm	4000 - 11000
Neutrophils (Blood)	56.1	%	40 - 75
Lymphocytes (Blood)	29.0	%	20 - 45
Eosinophils (Blood)	8.4	%	01 - 06
Monocytes (Blood)	6.0	%	01 - 10





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Basophils (Blood)	0.5	%	00 - 02
INTERPRETATION: Tests done on Automated Five l	Part cell counter. All	abnormal results are	reviewed and confirmed microscopically.
Absolute Neutrophil count (EDTA Blood)	2.97	10^3 / μl	1.5 - 6.6
Absolute Lymphocyte Count (EDTA Blood)	1.54	10^3 / μl	1.5 - 3.5
Absolute Eosinophil Count (AEC) (EDTA Blood)	0.45	10^3 / μl	0.04 - 0.44
Absolute Monocyte Count (EDTA Blood)	0.32	10^3 / μl	< 1.0
Absolute Basophil count (EDTA Blood)	0.03	10^3 / μl	< 0.2
Platelet Count (EDTA Blood)	224	10^3 / μl	150 - 450
MPV (Blood)	10.9	fL	8.0 - 13.3
PCT (Automated Blood cell Counter)	0.24	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate) (Citrated Blood)	22	mm/hr	< 20





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Investigation	Observed Value	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
<b>BIOCHEMISTRY</b>			
Liver Function Test			
Bilirubin(Total) (Serum/DCA with ATCS)	0.46	mg/dL	0.1 - 1.2
Bilirubin(Direct) (Serum/Diazotized Sulfanilic Acid)	0.19	mg/dL	0.0 - 0.3
Bilirubin(Indirect) (Serum/Derived)	0.27	mg/dL	0.1 - 1.0
SGOT/AST (Aspartate Aminotransferase) (Serum/Modified IFCC)	19.15	U/L	5 - 40
SGPT/ALT (Alanine Aminotransferase) (Serum/Modified IFCC)	15.95	U/L	5 - 41
GGT(Gamma Glutamyl Transpeptidase) (Serum/IFCC / Kinetic)	11.43	U/L	< 38
Alkaline Phosphatase (SAP) (Serum/Modified IFCC)	98.9	U/L	42 - 98
Total Protein (Serum/Biuret)	7.31	gm/dl	6.0 - 8.0
Albumin (Serum/Bromocresol green)	4.23	gm/dl	3.5 - 5.2
Globulin (Serum/Derived)	3.08	gm/dL	2.3 - 3.6
A : G RATIO (Serum/Derived)	1.37		1.1 - 2.2





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Investigation	Observed <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
<u>Lipid Profile</u>			
Cholesterol Total (Serum/CHOD-PAP with ATCS)	138.34	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/GPO-PAP with ATCS)	64.45	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)	43.53	mg/dL	Optimal(Negative Risk Factor): >= 60 Borderline: 50 - 59 High Risk: < 50
LDL Cholesterol (Serum/Calculated)	81.9	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >= 190
VLDL Cholesterol (Serum/Calculated)	12.9	mg/dL	< 30
Non HDL Cholesterol (Serum/Calculated)	94.8	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.





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Total Cholesterol/HDL Cholesterol Ratio (Serum/Calculated)	3.2		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/Calculated)	1.5		Optimal: < 2.5 Mild to moderate risk: 2.5 - 5.0 High Risk: > 5.0
LDL/HDL Cholesterol Ratio (Serum/Calculated)	1.9		Optimal: 0.5 - 3.0 Borderline: 3.1 - 6.0 High Risk: > 6.0





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Investigation	Observed <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
Glycosylated Haemoglobin (HbA1c)			
HbA1C (Whole Blood/HPLC)	5.2	%	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 102.54 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.





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Value Reference Interval

## **IMMUNOASSAY**

#### THYROID PROFILE / TFT

T3 (Triiodothyronine) - Total 1.34 ng/ml 0.7 - 2.04

(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 9.23 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.

TSH (Thyroid Stimulating Hormone) 2.97 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.





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# **CLINICAL PATHOLOGY**

# PHYSICAL EXAMINATION (URINE COMPLETE)

Colour Yellow Yellow Yellow to Amber

(Urine)

Appearance Slightly Turbid Clear

(Urine)

Volume(CLU) 20

(Urine)

CHEMICAL EXAMINATION (URINE

**COMPLETE**)

pH 5.5 4.5 - 8.0

(Urine)

Specific Gravity 1.007 1.002 - 1.035

(Urine)

Ketone Negative Negative

(Urine)

Urobilinogen Normal Normal

(Urine)

Blood Positive(Traces) Negative

(Urine)

Nitrite Positive(+) Negative

(Urine)

Bilirubin Negative Negative

(Urine)

Protein Negative Negative

(Urine)

Glucose Negative Negative

(Urine/GOD - POD)





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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
Leukocytes(CP) (Urine)	Positive(+++)		
MICROSCOPIC EXAMINATION (URINE COMPLETE)			
Pus Cells (Urine)	10-15	/hpf	NIL
Epithelial Cells (Urine)	10-15	/hpf	NIL
RBCs (Urine)	0-3	/HPF	NIL

Others Bacteria Present

(Urine)

**INTERPRETATION:** Note: Done with Automated Urine Analyser & Automated urine sedimentation analyser. All abnormal reports are reviewed and confirmed microscopically.





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InvestigationObservedUnitBiologicalValueReference Interval

# **IMMUNOHAEMATOLOGY**

BLOOD GROUPING AND Rh TYPING 'O' 'Positive'

(EDTA Blood/Agglutination)

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





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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
BIOCHEMISTRY BUN / Creatinine Ratio	8.53		6.0 - 22.0
Glucose Fasting (FBS)	83.19	mg/dL	Normal: < 100
(Plasma - F/GOD-PAP)			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)	65.38	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)	6.4	mg/dL	7.0 - 21
Creatinine (Serum/Modified Jaffe)	0.75	mg/dL	0.6 - 1.1

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 5.15 mg/dL 2.6 - 6.0

(Serum/Enzymatic)





**APPROVED BY** 

-- End of Report --

Patient Name	Kumari Kut	Date	8/4/23
Age	1/02/1007/17/00/1	Visit	3/1/2
	35 X	Number	522305455
Sex	Female	Corporate	meduheel

## **GENERAL PHYSICAL EXAMINATION**

Identification	Mark	: -	_
I de cilitario de cioni			

Height: 161 cms

Weight: 73.8 kgs

Pulse: 6161m - /minute

Blood Pressure: 112/61 mm of Hg

BMI: 28.5 Kg/m2

**BMI INTERPRETATION** 

Underweight = <18.5

Normal weight = 18.5-24.9

Overweight = 25-29.9

Chest:

Expiration: cms

Inspiration: cms

Abdomen Measurement : cms

Eyes: Myopia = B/L pupils Ears: NAO

Throat: NAD Neck nodes: no pulbuble notenday

RS: BIL NUBS (F) CVS: SISZ sounds clear

PA: Soft the fender CNS: NAO

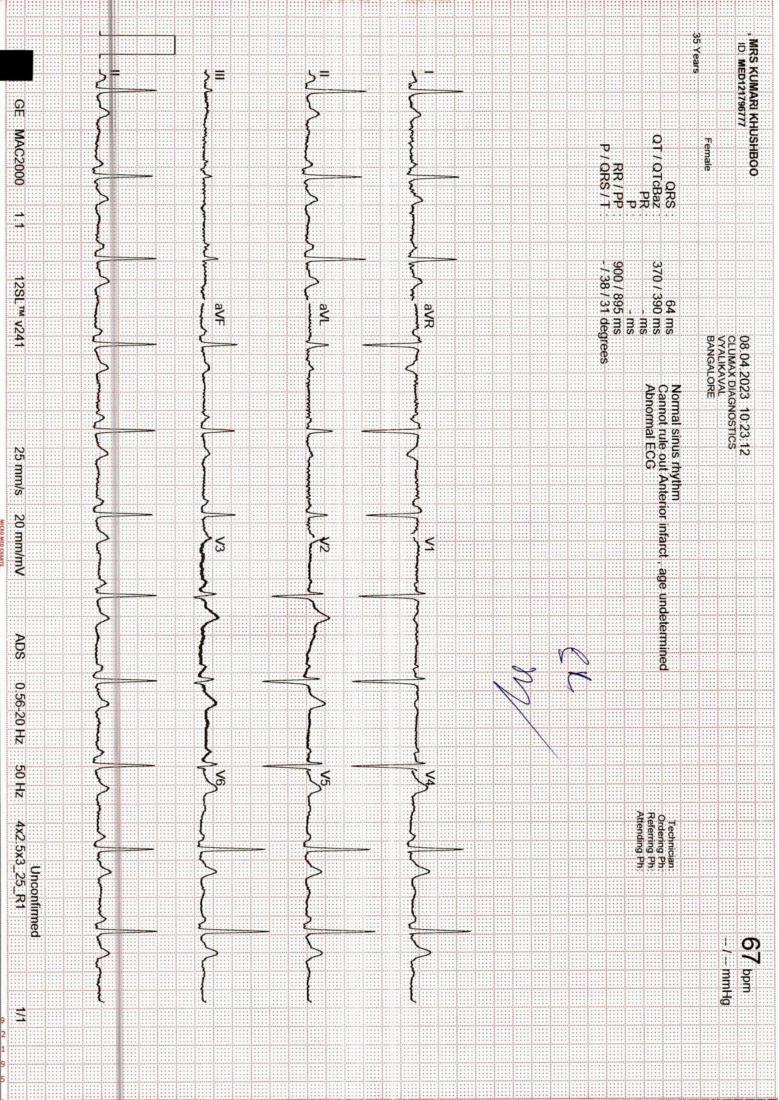
No abnormality is detected. His / Her general physical examination is within normal limits.

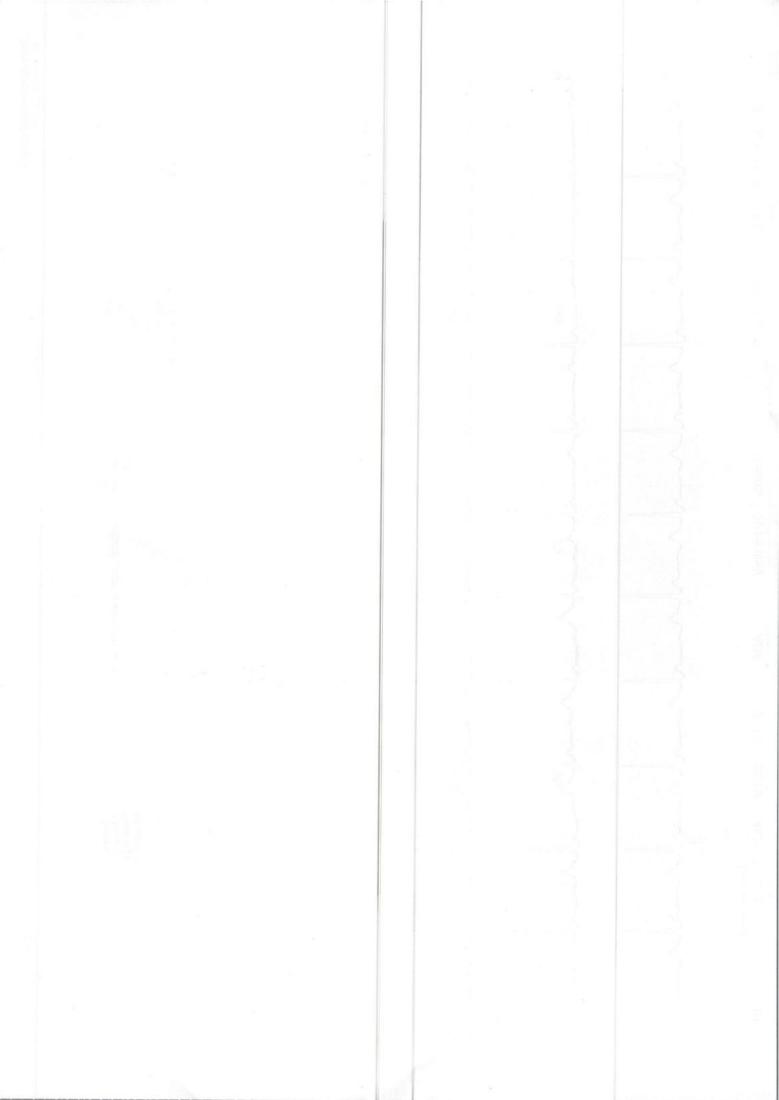
NOTE: MEDICAL FIT FOR EMPLOYMENT YES / NO

Signature

Dr. RITESH RAJ, MBBS General Physician & Diabetologist KMC Reg. No. 85875 - MU/J/ 15

Dr. RITESH RAJ, MBBS General Physician & Diabetologist KMC Reg. No. 85875





Name	MRS.KUMARI KHUSHBOO	ID	MED121796777
Age & Gender	35Y/FEMALE	Visit Date	08 Apr 2023
Ref Doctor Name	MediWheel		

## ABDOMINO-PELVIC ULTRASONOGRAPHY

**LIVER** is normal in shape, size (12.5 cm) and has uniform echopattern. 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** show 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	11.4	1.9
Left Kidney	11.8	2.3

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

**UTERUS** is anteverted and has normal shape and size. It has uniform myometrial echopattern. Endometrial echo is of normal thickness - 7.6 mm.

TS: 6.6 cms.

Uterus measures LS: 5.9 cms AP: 4.5 cms

**OVARIES** are normal in size, shape and echotexture

Right ovary measures 2.6 x 1.9 cm Left ovary measures 2.1 x 1.7 cm.

POD & adnexa are free.

No evidence of ascites.

#### **IMPRESSION:**

• No significant abnormality detected.

Name	MRS.KUMARI KHUSHBOO	ID	MED121796777
Age & Gender	35Y/FEMALE	Visit Date	08 Apr 2023
Ref Doctor Name	MediWheel		

# DR. HEMANANDINI V.N CONSULTANT RADIOLOGISTS

Name	MRS.KUMARI KHUSHBOO	ID	MED121796777
Age & Gender	35Y/FEMALE	Visit Date	08 Apr 2023
Ref Doctor Name	MediWheel		

## 2D ECHOCARDIOGRAPHIC STUDY

## **M-mode measurement:**

**AORTA** 2.30 cms. LEFT ATRIUM : 2.97 cms. AVS 1.47 cms. LEFT VENTRICLE (DIASTOLE) 4.05 cms. (SYSTOLE) 2.52 cms. **VENTRICULAR SEPTUM** (DIASTOLE) 0.95 cms. (SYSTOLE) 1.40 cms. **POSTERIOR WALL** (DIASTOLE) 1.26 cms. (SYSTOLE) 1.26 cms. **EDV** 72 ml. **ESV** 22 ml. FRACTIONAL SHORTENING 37 % **EJECTION FRACTION** 60 % : **EPSS** cms. **RVID** 1.80 cms.

## **DOPPLER MEASUREMENTS:**

MITRAL VALVE: E - 0.9 m/s A -0.6 m/s NO MR.

AORTIC VALVE: 1.1 m/s NO AR.

TRICUSPID VALVE: E - 0.5 m/s A -0.3 m/s NO TR.

PULMONARY VALVE: 0.8 m/s NO PR.

Name	MRS.KUMARI KHUSHBOO	ID	MED121796777
Age & Gender	35Y/FEMALE	Visit Date	08 Apr 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

Name	MRS.KUMARI KHUSHBOO	ID	MED121796777
Age & Gender	35Y/FEMALE	Visit Date	08 Apr 2023
Ref Doctor Name	MediWheel		

# CONSULTANT CARDIOLOGIST

Name	KUMARI KHUSHBOO	Customer ID	MED121796777
Age & Gender	35Y/F	Visit Date	Apr 8 2023 9:03AM
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:**

Essentially normal study.

Dr.N.Sandhya, DMRD Consultant Radiologist

N. Sandhya