

Name : Ms. SONAM

PID No. : MED111034459

SID No. : 922018294

Age / Sex : 30 Year(s) / Female

Type : OP

Ref. Dr : MediWheel

Register On : 26/03/2022 8:55 AM

Collection On : 26/03/2022 10:58 AM

Report On : 27/03/2022 12:24 PM

Printed On : 29/03/2022 5:51 PM




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

Complete Blood Count With - ESR

Haemoglobin (EDTA Blood/Spectrophotometry)	12.8	g/dL	12.5 - 16.0
Packed Cell Volume(PCV)/Haematocrit (EDTA Blood/Derived from Impedance)	39.5	%	37 - 47
RBC Count (EDTA Blood/Impedance Variation)	4.36	mill/cu.mm	4.2 - 5.4
Mean Corpuscular Volume(MCV) (EDTA Blood/Derived from Impedance)	91.0	fL	78 - 100
Mean Corpuscular Haemoglobin(MCH) (EDTA Blood/Derived from Impedance)	29.3	pg	27 - 32
Mean Corpuscular Haemoglobin concentration(MCHC) (EDTA Blood/Derived from Impedance)	32.3	g/dL	32 - 36
RDW-CV (EDTA Blood/Derived from Impedance)	14.2	%	11.5 - 16.0
RDW-SD (EDTA Blood/Derived from Impedance)	45.23	fL	39 - 46
Total Leukocyte Count (TC) (EDTA Blood/Impedance Variation)	5000	cells/cu.mm	4000 - 11000
Neutrophils (EDTA Blood/Impedance Variation & Flow Cytometry)	60.8	%	40 - 75
Lymphocytes (EDTA Blood/Impedance Variation & Flow Cytometry)	28.9	%	20 - 45
Eosinophils (EDTA Blood/Impedance Variation & Flow Cytometry)	2.2	%	01 - 06


DR .VANITHA.R.SWAMY MD
Consultant Pathologist
Reg No : 99049

VERIFIED BY


DR SHAMIM JAVED
MD PATHOLOGY
KMC 88902

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Monocytes (EDTA Blood/Impedance Variation & Flow Cytometry)	7.5	%	01 - 10
Basophils (EDTA Blood/Impedance Variation & Flow Cytometry)	0.6	%	00 - 02
Absolute Neutrophil count (EDTA Blood/Impedance Variation & Flow Cytometry)	3.04	10 ³ / µl	1.5 - 6.6
Absolute Lymphocyte Count (EDTA Blood/Impedance Variation & Flow Cytometry)	1.45	10 ³ / µl	1.5 - 3.5
Absolute Eosinophil Count (AEC) (EDTA Blood/Impedance Variation & Flow Cytometry)	0.11	10 ³ / µl	0.04 - 0.44
Absolute Monocyte Count (EDTA Blood/Impedance Variation & Flow Cytometry)	0.38	10 ³ / µl	< 1.0
Absolute Basophil count (EDTA Blood/Impedance Variation & Flow Cytometry)	0.03	10 ³ / µl	< 0.2
Platelet Count (EDTA Blood/Impedance Variation)	146	10 ³ / µl	150 - 450
MPV (EDTA Blood/Derived from Impedance)	13.2	fL	8.0 - 13.3
PCT (EDTA Blood/Automated Blood cell Counter)	0.19	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate) (EDTA Blood/Modified Westergren)	13	mm/hr	< 20


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BIOCHEMISTRY

Liver Function Test

Bilirubin(Total) (Serum/Diazotized Sulfanilic Acid)	0.3	mg/dL	0.1 - 1.2
Bilirubin(Direct) (Serum/Diazotized Sulfanilic Acid)	0.2	mg/dL	0.0 - 0.3
Bilirubin(Indirect) (Serum/Derived)	0.1	mg/dL	0.1 - 1.0
Total Protein (Serum/Biuret)	7.5	gm/dL	6.0 - 8.0
Albumin (Serum/Bromocresol green)	4.1	gm/dL	3.5 - 5.2
Globulin (Serum/Derived)	3.4	gm/dL	2.3 - 3.6
A : G Ratio (Serum/Derived)	1.2		1.1 - 2.2
SGOT/AST (Aspartate Aminotransferase) (Serum/IFCC Kinetic)	24	U/L	5 - 40
SGPT/ALT (Alanine Aminotransferase) (Serum/IFCC / Kinetic)	15	U/L	5 - 41
Alkaline Phosphatase (SAP) (Serum/IFCC Kinetic)	70	U/L	42 - 98
GGT(Gamma Glutamyl Transpeptidase) (Serum/SZASZ standarised IFCC)	16	U/L	< 38

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

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Lipid Profile

Cholesterol Total (Serum/Cholesterol oxidase/Peroxidase)	160	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
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Triglycerides (Serum/Glycerol phosphate oxidase / peroxidase)	75	mg/dL	Optimal: < 150 Borderline: 150 - 199 High: 200 - 499 Very High: >= 500
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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.

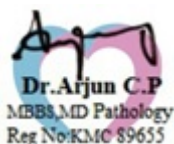
HDL Cholesterol (Serum/Immunoinhibition)	44	mg/dL	Optimal(Negative Risk Factor): >= 60 Borderline: 50 - 59 High Risk: < 50
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LDL Cholesterol (Serum/Calculated)	101	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >= 190
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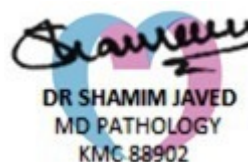
VLDL Cholesterol (Serum/Calculated)	15	mg/dL	< 30
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Non HDL Cholesterol (Serum/Calculated)	116.0	mg/dL	Optimal: < 130 Above Optimal: 130 - 159 Borderline High: 160 - 189 High: 190 - 219 Very High: >= 220
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INTERPRETATION: 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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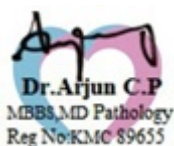
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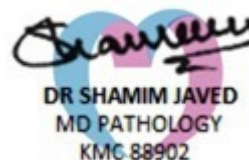
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<u>Investigation</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
Total Cholesterol/HDL Cholesterol Ratio (Serum/Calculated)	3.6		Optimal: < 3.3 Low Risk: 3.4 - 4.4 Average Risk: 4.5 - 7.1 Moderate Risk: 7.2 - 11.0 High Risk: > 11.0
Triglyceride/HDL Cholesterol Ratio (TG/HDL) (Serum/Calculated)	1.7		Optimal: < 2.5 Mild to moderate risk: 2.5 - 5.0 High Risk: > 5.0
LDL/HDL Cholesterol Ratio (Serum/Calculated)	2.3		Optimal: 0.5 - 3.0 Borderline: 3.1 - 6.0 High Risk: > 6.0



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<u>Glycosylated Haemoglobin (HbA1c)</u>			
HbA1C (Whole Blood/HPLC)	5.8	%	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 %

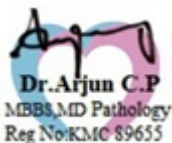
Estimated Average Glucose
(Whole Blood) 119.76 mg/dL

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 glycaemic control as compared to blood and urinary glucose determinations.

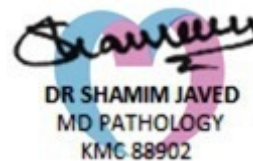
Conditions that prolong RBC life span like Iron deficiency anemia, Vitamin B12 & Folate deficiency, hypertriglyceridemia, hyperbilirubinemia, Drugs, Alcohol, Lead Poisoning, Asplenia can give falsely elevated HbA1C values.

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.



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

VERIFIED BY



DR SHAMIM JAVED
MD PATHOLOGY
KMC 88902

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IMMUNOASSAY

THYROID PROFILE / TFT

T3 (Triiodothyronine) - Total (Serum/CMIA)	1.40	ng/mL	0.7 - 2.04
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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 (Thyroxine) - Total (Serum/CMIA)	8.99	µg/dL	4.2 - 12.0
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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) (Serum/Chemiluminescent Microparticle Immunoassay(CMIA))	6.46	µIU/mL	0.35 - 5.50
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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

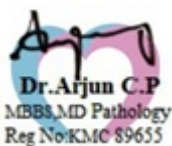
(Indian Thyroid Society Guidelines)

Comment :

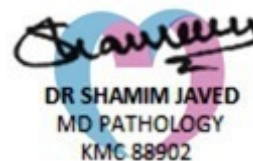
1.TSH reference range during pregnancy depends on Iodine intake, TPO status, Serum HCG concentration, race, Ethnicity and BMI.

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.



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CLINICAL PATHOLOGY


PHYSICAL EXAMINATION

Colour (Urine)	Pale Yellow		
Appearance (Urine)	Clear		Clear
Volume (Urine)	15	mL	

CHEMICAL EXAMINATION(Automated-Urineanalyser)

pH (Urine/AUTOMATED URINANALYSER)	6.0		4.5 - 8.0
Specific Gravity (Urine)	1.020		1.002 - 1.035
Ketones (Urine)	Negative		Negative
Urobilinogen (Urine/AUTOMATED URINANALYSER)	0.2		0.2 - 1.0
Blood (Urine/AUTOMATED URINANALYSER)	Negative		Negative
Nitrite (Urine/AUTOMATED URINANALYSER)	Negative		Negative
Bilirubin (Urine/AUTOMATED URINANALYSER)	Negative		Negative
Protein (Urine)	Negative		Negative
Glucose (Urine)	Negative		Negative


Dr. RAVIKUMAR R
MBBS, MD BIOCHEMISTRY
CONSULTANT BIOCHEMIST
Reg No : 78771
VERIFIED BY


DR SHAMIM JAVED
MD PATHOLOGY
KMC 88902
APPROVED BY


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Leukocytes (Urine)	Trace	leuco/uL	Negative
<u>MICROSCOPY(URINE DEPOSITS)</u>			
Pus Cells (Urine/Flow cytometry)	3-5	/hpf	3-5
Epithelial Cells (Urine)	6-8	/hpf	1-2
RBCs (Urine/Flow cytometry)	Nil	/hpf	NIL
Others (Urine)	Nil		Nil
Casts (Urine/Flow cytometry)	Nil	/hpf	0 - 1
Crystals (Urine)	Nil		NIL


Dr RAVIKUMAR R
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BIOCHEMISTRY

BUN / Creatinine Ratio	15		6 - 22
Glucose Fasting (FBS) (Plasma - F/GOD - POD)	88	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
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Glucose Postprandial (PPBS) (Plasma - PP/GOD - POD)	90	mg/dL	70 - 140
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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.


Glucose Postprandial - Urine (Urine - PP)	Negative		Negative
--	----------	--	----------

Blood Urea Nitrogen (BUN) (Serum/Urease-GLDH)	9	mg/dL	7.0 - 21
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Creatinine (Serum/Jaffe Kinetic)	0.6	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 (Serum/Uricase/Peroxidase)	4.1	mg/dL	2.6 - 6.0
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Investigation

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Reference Interval

IMMUNOHAEMATOLOGY

BLOOD GROUPING AND Rh TYPING
(EDTA Blood/Agglutination)

'A' 'Positive'


DR .VANITHA.R.SWAMY MD
Consultant Pathologist
Reg No : 99049
VERIFIED BY


DR SHAMIM JAVED
MD PATHOLOGY
KMC 88902
APPROVED BY

-- End of Report --

To be filled by Customer

Name: Mr/Ms/Mrs S O N A M

Gender: Male Female Age: 3 years DOB: / /

Mobile: Pincode:

Mail:

Bar code

Vitals

To be filled by Technician

Height: 155 . cms

Waist: 32 . in.

Hip: 37 . in.

Weight: 61 . 3 kg

Fat: 36 . 6 %

Visc. Fat: 6 . 5 %

RM: 1261 cal

BMI: 25 . 5 kg/m²

Body Age: 44 years

Sys. BP: 114 mmHg

Dia. BP: 71 mmHg

89 phse.

To be filled by Customer

Medical History

Have you been previously diagnosed with?

Diabetes (Sugar) Yes No

Hypertension (BP) Yes No

Cardiovascular Disease (Heart) Yes No

Asthma/Allergies (Dust, Pollen, Food, Animals, etc.) Yes No

Neurological Problems (Nerve) Yes No

Are you currently taking medications for?

Diabetes (Sugar) Yes No

Hypertension (BP) Yes No

Cardiovascular Disease (Heart) Yes No

Liver Disease Yes No

Cancer Yes No

Tuberculosis (TB) Yes No

Family History

Is there a history of below diseases in your family?

Diabetes (Sugar) Yes No

Hypertension (BP) Yes No

Cardiovascular Disease (Heart) Yes No

Cancer Yes No

Lifestyle

Do you exercise regularly? Yes No

Do you consume alcohol more than 2 times a week? Yes No

Do you smoke/chew tobacco? Yes No

Are you vegetarian? Yes No

General

Do you see a doctor at least once in 6 months? Yes No

Do you undergo a health checkup every year? Yes No

How would you rate your overall Health? Excellent Good Normal Poor Very Poor

Women's Health

Is there a family history of Breast Cancer? Yes No

Is there a family history of Endometrial (Uterus) Cancer? Yes No

Is there a family history of Ovarian Cancer? Yes No

Do you have irregular periods? Yes No

Do you have heavy bleeding during periods? Yes No

Do you have scanty periods? Yes No

Have you attained Menopause? Yes No

Do you have children? Yes No

Was it a normal delivery? Yes No

Did you have diabetes/hypertension during delivery? Yes No

Signature:

Customer Name	SONAM	Customer ID	111034459.
Age & Gender	30 FEMALE	Visit Date	26/03/2022

Eye Screening



With spectacles / without spectacles (strike out whichever is not applicable)

	Right Eye	Left Eye
Near Vision	nb	nb
Distance Vision	6/6	6/6
Colour Vision	normal	normal

Observation / Comments: normal.

Dr. Ravi

Dr. RAVI V. HALAKATTI
M.S. (OPHTH)
EYE SURGEON
Regd. No. 11801

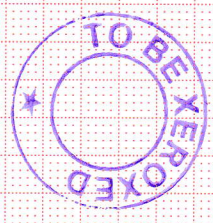
26.03.2022 10:03:04
CLUMAX DIAGNOSTICS
JAYANAGAR
BANGALORE

83 bpm
--- mmHg

30 Years

Female

QRS :	56 ms
QT / QTcBaz :	334 / 392 ms
PR :	138 ms
P :	86 ms
RR / PP :	720 / 722 ms
P / QRS / T :	60 / 66 / 61 degrees

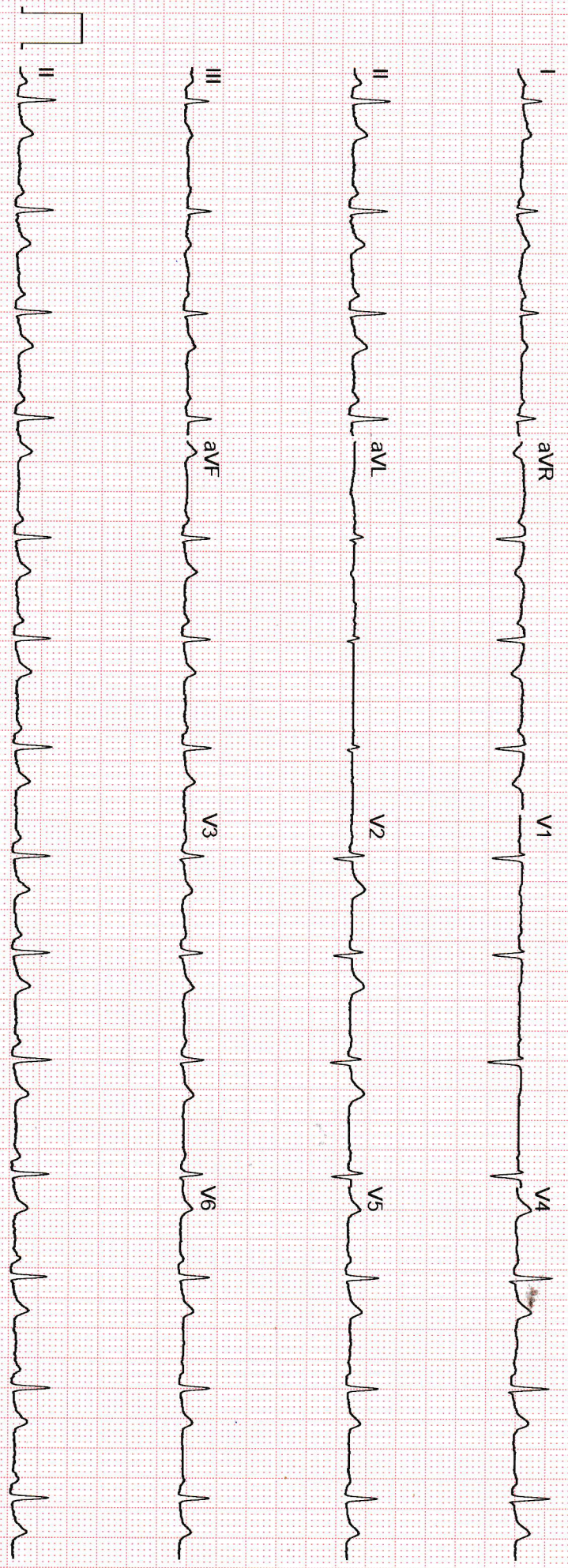


Technician: koms
Ordering Ph: MEDIWHEEL
Referring Ph: MEDIWHEEL
Attending Ph:

(Needs Clinical Correlation
for further Management)

Dr. SRIDHAR .L
MD, (Med), DM(Cardio), FICG
Interventional Cardiologist
K.M.C. No.: 32248

Handwritten notes:
H&S
WHL
Wm + 70°
Normal ECG
[Signature]



Name	SONAM	Customer ID	MED111034459
Age & Gender	30Y/F	Visit Date	Mar 26 2022 8:54AM
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. H.K. ANAND

DR. SHWETHA S

DR. PRAJNA SHENOY

DR. MAHESH M S

CONSULTANT RADIOLOGISTS



Name	MS.SONAM	ID	MED111034459
Age & Gender	30Y/FEMALE	Visit Date	26/03/2022
Ref Doctor	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 show normal shape and has clear contents.
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 show normal shape, size and echopattern.

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.

The kidney measures as follows

	Bipolar length (cms)	Parenchymal thickness (cms)
Right Kidney	9.2	1.4
Left Kidney	9.3	1.4

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 – 6.0mms.

Uterus measures as follows:

LS: 7.2cms AP: 2.5cms TS: 3.5cms.

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:2:

OVARIES are normal size, shape and echotexture

Ovaries measures as follows:

Right ovary: 2.7 x 1.8cms.

Left ovary: 2.7 x 1.6cms.

POD & adnexa are free.

No evidence of ascites.

Impression: *No sonological abnormality detected*

CONSULTANT RADIOLOGISTS:

DR. H. K. ANAND

DR. PRAJNA SHENOY

DR. MAHESH. M. S

DR. RADHA KRISHNA. A.

DR. HIMA BINDU.P

Ms/pu



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2D ECHOCARDIOGRAPHIC STUDY

M mode measurement:

AORTA	:	2.82	cms
LEFT ATRIUM	:	3.10	cms
AVS	:	1.35	cms
LEFT VENTRICLE (DIASTOLE)	:	3.59	cms
(SYSTOLE)	:	2.18	cms
VENTRICULAR SEPTUM (DIASTOLE)	:	1.08	cms
(SYSTOLE)	:	1.80	cms
POSTERIOR WALL (DIASTOLE)	:	1.10	cms
(SYSTOLE)	:	2.20	cms
EDV	:	54	ml
ESV	:	15	ml
FRACTIONAL SHORTENING	:	35	%
EJECTION FRACTION	:	65	%
EPSS	:		cms
RVID	:	2.33	cms

DOPPLER MEASUREMENTS

MITRAL VALVE	: 'E' -1.18m/s 'A' -0.84m/s	NO MR
AORTIC VALVE	:1.08 m/s	NO AR
TRICUSPID VALVE	: 'E' -0.68m/s 'A' - m/s	NO TR
PULMONARY VALVE	:0.84 m/s	NO PR



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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 prolapse.

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: 65 %
- NO REGIONAL WALL MOTION ABNORMALITIES.
- NORMAL VALVES.
- NO CLOTS / PERICARDIAL EFFUSION / VEGETATION.

(KINDLY CORRELATE CLINICALLY AND WITH ECG)

DR.SRIDHAR.L MD,DM,FICC.
CONSULTANT CARDIOLOGIST

Ls/ml Dr. SRIDHAR .L
MD,(Med), DM(Cardio), FICC
Interventional Cardiologist
K.M.C. No.: 32248

