

Name : Mr. RAJASEKARAN
PID No. : MED110999479
SID No. : 922013538
Age / Sex : 63 Year(s) / Male
Type : OP
Ref. Dr : MediWheel

Register On : 26/02/2022 9:27 AM
Collection On : 26/02/2022 11:52 AM
Report On : 01/03/2022 1:12 PM
Printed On : 01/03/2022 1:42 PM

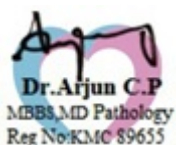


<u>Investigation</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
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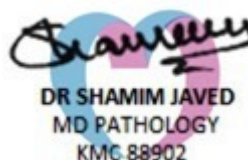
HAEMATOLOGY

Complete Blood Count With - ESR

Haemoglobin (EDTA Blood/Spectrophotometry)	14.2	g/dL	13.5 - 18.0
Packed Cell Volume(PCV)/Haematocrit (EDTA Blood/Derived from Impedance)	43.9	%	42 - 52
RBC Count (EDTA Blood/Impedance Variation)	4.86	mill/cu.mm	4.7 - 6.0
Mean Corpuscular Volume(MCV) (EDTA Blood/Derived from Impedance)	90.0	fL	78 - 100
Mean Corpuscular Haemoglobin(MCH) (EDTA Blood/Derived from Impedance)	29.1	pg	27 - 32
Mean Corpuscular Haemoglobin concentration(MCHC) (EDTA Blood/Derived from Impedance)	32.2	g/dL	32 - 36
RDW-CV (EDTA Blood/Derived from Impedance)	13.8	%	11.5 - 16.0
RDW-SD (EDTA Blood/Derived from Impedance)	43.47	fL	39 - 46
Total Leukocyte Count (TC) (EDTA Blood/Impedance Variation)	7250	cells/cu.mm	4000 - 11000
Neutrophils (EDTA Blood/Impedance Variation & Flow Cytometry)	68.71	%	40 - 75
Lymphocytes (EDTA Blood/Impedance Variation & Flow Cytometry)	20.37	%	20 - 45
Eosinophils (EDTA Blood/Impedance Variation & Flow Cytometry)	1.30	%	01 - 06



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Monocytes (EDTA Blood/Impedance Variation & Flow Cytometry)	8.27	%	01 - 10
Basophils (EDTA Blood/Impedance Variation & Flow Cytometry)	0.35	%	00 - 02
Absolute Neutrophil count (EDTA Blood/Impedance Variation & Flow Cytometry)	4.98	10 ³ / µl	1.5 - 6.6
Absolute Lymphocyte Count (EDTA Blood/Impedance Variation & Flow Cytometry)	1.48	10 ³ / µl	1.5 - 3.5
Absolute Eosinophil Count (AEC) (EDTA Blood/Impedance Variation & Flow Cytometry)	0.09	10 ³ / µl	0.04 - 0.44
Absolute Monocyte Count (EDTA Blood/Impedance Variation & Flow Cytometry)	0.60	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)	210.3	10 ³ / µl	150 - 450
MPV (EDTA Blood/Derived from Impedance)	8.41	fL	7.9 - 13.7
PCT (EDTA Blood/Automated Blood cell Counter)	0.18	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate) (EDTA Blood/Modified Westergren)	8	mm/hr	< 20


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

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DR SHAMIM JAVED
MD PATHOLOGY
KMC 88902

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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)	8.5	gm/dL	6.0 - 8.0
Albumin (Serum/Bromocresol green)	5.5	gm/dL	3.5 - 5.2
Globulin (Serum/Derived)	3.0	gm/dL	2.3 - 3.6
A : G Ratio (Serum/Derived)	1.8		1.1 - 2.2
SGOT/AST (Aspartate Aminotransferase) (Serum/IFCC Kinetic)	33	U/L	5 - 40
SGPT/ALT (Alanine Aminotransferase) (Serum/IFCC / Kinetic)	33	U/L	5 - 41
Alkaline Phosphatase (SAP) (Serum/IFCC Kinetic)	79	U/L	56 - 119
GGT(Gamma Glutamyl Transpeptidase) (Serum/SZASZ standarised IFCC)	23	U/L	< 55

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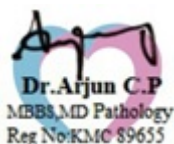


<u>Investigation</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
<u>Lipid Profile</u>			
Cholesterol Total (Serum/Cholesterol oxidase/Peroxidase)	162	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/Glycerol phosphate oxidase / peroxidase)	175	mg/dL	Optimal: < 150 Borderline: 150 - 199 High: 200 - 499 Very High: >= 500

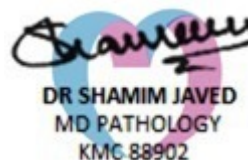
INTERPRETATION: The reference ranges are based on fasting condition. Triglyceride levels change drastically in response to food, increasing as much as 5 to 10 times the fasting levels, just a few hours after eating. Fasting triglyceride levels show considerable diurnal variation too. There is evidence 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)	41	mg/dL	Optimal(Negative Risk Factor): >= 60 Borderline: 40 - 59 High Risk: < 40
LDL Cholesterol (Serum/Calculated)	86	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >= 190
VLDL Cholesterol (Serum/Calculated)	35	mg/dL	< 30
Non HDL Cholesterol (Serum/Calculated)	121.0	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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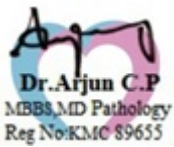
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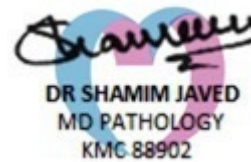
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<u>Investigation</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
Total Cholesterol/HDL Cholesterol Ratio (Serum/Calculated)	4		Optimal: < 3.3 Low Risk: 3.4 - 4.4 Average Risk: 4.5 - 7.1 Moderate Risk: 7.2 - 11.0 High Risk: > 11.0
Triglyceride/HDL Cholesterol Ratio (TG/HDL) (Serum/Calculated)	4.3		Optimal: < 2.5 Mild to moderate risk: 2.5 - 5.0 High Risk: > 5.0
LDL/HDL Cholesterol Ratio (Serum/Calculated)	2.1		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)	9.5	%	Normal: 4.5 - 5.6 Prediabetes: 5.7 - 6.4 Diabetic: \geq 6.5

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

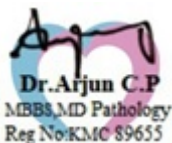
Estimated Average Glucose 225.95 mg/dL
(Whole Blood)

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 glycaemic control as compared to blood and urinary glucose determinations.

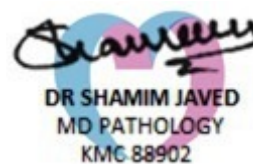
Conditions that prolong RBC life span like Iron deficiency anemia, Vitamin B12 & Folate deficiency, hypertriglyceridemia, hyperbilirubinemia, Drugs, Alcohol, Lead Poisoning, Asplenia can give falsely elevated HbA1C values.

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.



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IMMUNOASSAY

THYROID PROFILE / TFT

T3 (Triiodothyronine) - Total (Serum/CMIA)	1.12	ng/mL	0.4 - 1.81
-----------------------------------------------	------	-------	------------

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)	7.14	µg/dL	4.2 - 12.0
----------------------------------------	------	-------	------------

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))	2.06	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)	10	mL	

CHEMICAL EXAMINATION(Automated-Urineanalyser)

pH (Urine/AUTOMATED URINANALYSER)	5.0		4.5 - 8.0
Specific Gravity (Urine)	1.015		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

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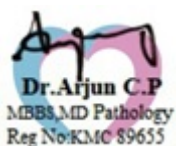
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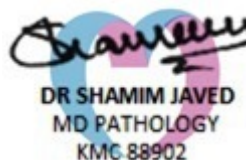
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Leukocytes (Urine)	Negative	leuco/uL	Negative
<u>MICROSCOPY(URINE DEPOSITS)</u>			
Pus Cells (Urine/Flow cytometry)	1-2	/hpf	3-5
Epithelial Cells (Urine)	0-1	/hpf	1-2
RBCs (Urine/Flow cytometry)	Nil	/hpf	2-3
Others (Urine)	Nil		Nil



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BIOCHEMISTRY

BUN / Creatinine Ratio	14		6 - 22
Glucose Fasting (FBS) (Plasma - F/GOD - POD)	149	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
----------------------------------------	----------	--	----------

Glucose Postprandial (PPBS) (Plasma - PP/GOD - POD)	163	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.

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

Blood Urea Nitrogen (BUN) (Serum/Urease-GLDH)	14	mg/dL	7.0 - 21
--------------------------------------------------	----	-------	----------

Creatinine (Serum/Jaffe Kinetic)	1.0	mg/dL	0.8 - 1.3
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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)	5.6	mg/dL	3.5 - 7.2
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IMMUNOASSAY

Prostate specific antigen - Total(PSA)
(Serum/Chemiluminescent Microparticle
Immunoassay(CMIA))

1.76 ng/mL

Normal: 0.0 - 4.0
Inflammatory & Non Malignant
conditions of Prostate & genitourinary
system: 4.01 - 10.0
Suspicious of Malignant disease of
Prostate: > 10.0

INTERPRETATION: Analytical sensitivity: 0.008 - 100 ng/mL

PSA is a tumor marker for screening of prostate cancer. Increased levels of PSA are associated with prostate cancer and benign conditions like bacterial infection, inflammation of prostate gland and benign hypertrophy of prostate/ benign prostatic hyperplasia (BPH).

Transient elevation of PSA levels are seen following digital rectal examination, rigorous physical activity like bicycle riding, ejaculation within 24 hours.

PSA levels tend to increase in all men as they age.

Clinical Utility of PSA:

- In the early detection of Prostate cancer.
- As an aid in discriminating between Prostate cancer and Benign Prostatic disease.
- To detect cancer recurrence or disease progression.

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IMMUNOHAEMATOLOGY

BLOOD GROUPING AND Rh TYPING (EDTA Blood/Agglutination)	'A' 'Positive'		
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DR MANJUNATHA T.M
Consultant Pathologist
KMC Reg No : 112205

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KMC 88902

APPROVED BY

-- End of Report --



भारत सरकार
GOVERNMENT OF INDIA



ರಾಜಶೇಖರನ್
Rajasekaran
ಜನ್ಮ ದಿನಾಂಕ/ DOB: 15/05/1958
ಪುರುಷ / MALE



3043 1857 6497

ನನ್ನ ಆಧಾರ , ನನ್ನ ಗುರುತು

To be filled by Customer

Name: Mr/Ms/Mrs **RAJASH EKARN**

Gender: Male Female Age: **63** years DOB: / /

Mobile: Pincode:

Email:

Bar code

Vitals

To be filled by Technician

Height: **178** cms

Waist: **34** in.

Hip: **35** in.

Weight: **71.7** kg

Fat: **30.9** %

Visc. Fat: **9.5** %

RM: **1584** cal

BMI: **22.6** kg/m²

Body Age: **57** years

Sys. BP: **136** mmHg

Dia. BP: **88** mmHg

89 plus.

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:

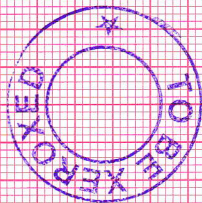
63 years
Male

Vent. rate	89 bpm
PR interval	180 ms
QRS duration	80 ms
QT/QTc	356/433 ms
P-R-T axes	57 10 8

Technician: MANJU
Test ind:

Referred by: C/O MEDIWHART

Reviewed by:



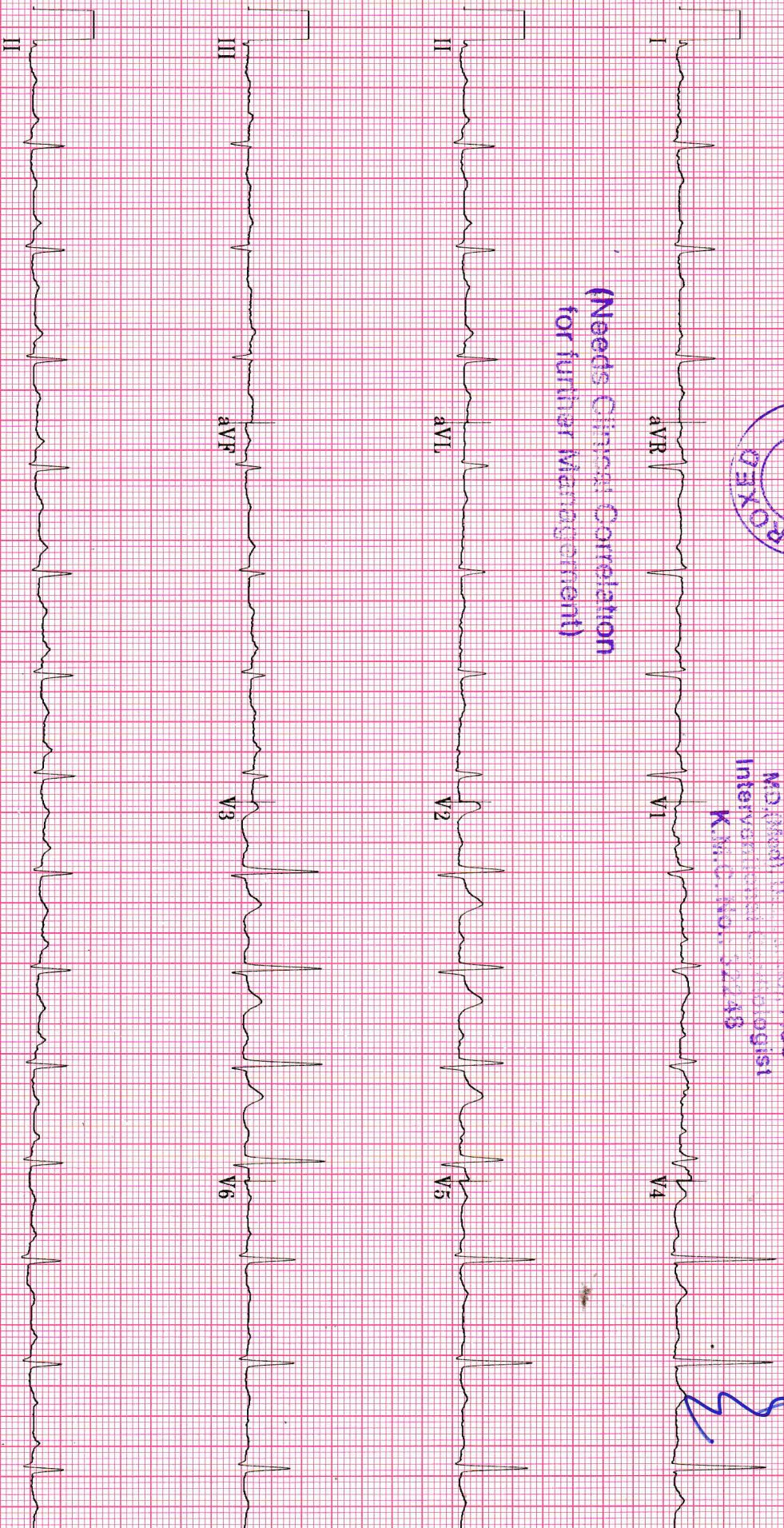
Dr. SIDDHARTH
 MD (Med) in Cardiology
 Interventional Cardiologist
 K.M.C. No. 32243

HR 85b/min

RLS > 11mm!

WV + 20°
mmms

(Needs Clinical Correlation for further Management)



20 Hz 25.0 mm/s 10.0 mm/mV

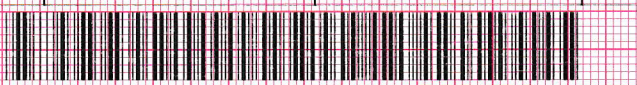
4 by 2.5s + 1 rhythm Id

MAC55 010Bsp1 12SL™ V241 HD

P/N 2009828-020

Vital Signs™

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Name	RAJASEKARAN	Customer ID	MED110999479
Age & Gender	63Y/M	Visit Date	Feb 26 2022 9:25AM
Ref Doctor	MediWheel		

X - RAY CHEST PA VIEW

Bilateral lung fields appear normal.

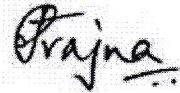
Cardiac size is within normal limits.

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. POOJA B.P

DR. SHWETHA S

DR. PRAJNA SHENOY

CONSULTANT RADIOLOGISTS



Name	MR.RAJASEKARAN	ID	MED110999479
Age & Gender	63Y/MALE	Visit Date	26/02/2022
Ref Doctor	MediWheel		

Impression:

- *Prostatomegaly.*
- *Increased hepatic echopattern suggestive of fatty infiltration.*

CONSULTANT RADIOLOGISTS:

DR. H. K. ANAND

DR. PRAJNA SHENOY


DR. MAHESH. M. S

DR. RADHA KRISHNA. A.

DR. HIMA BINDU.P

Ms/pu



Name	MR.RAJASEKARAN	ID	MED110999479
Age & Gender	63Y/MALE	Visit Date	26/02/2022
Ref Doctor	MediWheel		

2D ECHOCARDIOGRAPHIC STUDY

M mode measurement:

AORTA	:	3.14	cms
LEFT ATRIUM	:	3.35	cms
AVS	:	1.06	cms
LEFT VENTRICLE (DIASTOLE)	:	4.33	cms
(SYSTOLE)	:	3.06	cms
VENTRICULAR SEPTUM (DIASTOLE)	:	1.55	cms
(SYSTOLE)	:	2.04	cms
POSTERIOR WALL (DIASTOLE)	:	1.43	cms
(SYSTOLE)	:	2.37	cms
EDV	:	84	ml
ESV	:	36	ml
FRACTIONAL SHORTENING	:	29	%
EJECTION FRACTION	:	56	%
EPSS	:		cms
RVID	:	2.08	cms

DOPPLER MEASUREMENTS

MITRAL VALVE	:	'E' - 0.99 m/s	'A' - 0.75 m/s	MR GRADE I
AORTIC VALVE	:	1.49 m/s		AR GRADE I
TRICUSPID VALVE	:	PASP 22mmHg		TRIVIAL TR
PULMONARY VALVE	:	0.84 m/s		NO PR



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:2:

2D ECHOCARDIOGRAPHY FINDINGS:

Left Ventricle : **Concentric Left Ventricular Hypertrophy**

Left Atrium : Normal

Right Ventricle : Normal

Right Atrium : Normal.

Mitral valve : Normal, No mitral valve prolapse.

Aortic valve : **Trileaflet & Thickened**

Tricuspid valve : Normal.

Pulmonary valve : Normal.

IAS : Intact.

IVS : Intact.

Pericardium : No Pericardial effusion.

IMPRESSION :

- SCLEROTIC AORTIC VALVE
- MILD AORTIC REGURGITATION
- MILD MITRAL REGURGITATION
- TRIVIAL TRICUSPID REGURGITATION. PASP 22 mmHg
- CONCENTRIC LEFT VENTRICULAR HYPERTROPHY
- ADEQUATE LV SYSTOLIC FUNCTION. EF: 56 %
- 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

