PID No.
 : MED210014650
 Register On
 : 27/04/2024 8:52 AM

 SID No.
 : 522406644
 Collection On
 : 27/04/2024 9:07 AM

 Age / Sex
 : 43 Year(s) / Male
 Report On
 : 28/04/2024 10:28 AM

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BLOOD GROUPING AND Rh 'A' 'Positive'

**TYPING** 

(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)	15.1	g/dL	13.5 - 18.0
Packed Cell Volume(PCV)/Haematocrit (EDTA Blood)	45.9	0/0	42 - 52
RBC Count (EDTA Blood)	5.28	mill/cu.mm	4.7 - 6.0
Mean Corpuscular Volume(MCV) (EDTA Blood)	86.9	fL	78 - 100
Mean Corpuscular Haemoglobin(MCH) (EDTA Blood)	28.6	pg	27 - 32
Mean Corpuscular Haemoglobin concentration(MCHC) (EDTA Blood)	32.9	g/dL	32 - 36
RDW-CV	15.0	0/0	11.5 - 16.0
RDW-SD	46.8	fL	39 - 46
Total Leukocyte Count (TC) (EDTA Blood)	6200	cells/cu.mm	4000 - 11000
Neutrophils (Blood)	51.0	%	40 - 75
Lymphocytes (Blood)	36.0	%	20 - 45
Eosinophils (Blood)	2.7	0/0	01 - 06
Monocytes (Blood)	9.2	%	01 - 10





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<del></del>		<del></del>	
Basophils (Blood)	1.1	%	00 - 02
INTERPRETATION: Tests done on Automated F	ive Part cell cour	nter. All abnormal results a	re reviewed and confirmed microscopically
Absolute Neutrophil count (EDTA Blood)	3.1	10^3 / μl	1.5 - 6.6
Absolute Lymphocyte Count (EDTA Blood)	2.2	10^3 / μl	1.5 - 3.5
Absolute Eosinophil Count (AEC) (EDTA Blood)	0.2	10^3 / μl	0.04 - 0.44
Absolute Monocyte Count (EDTA Blood)	0.6	10^3 / μl	< 1.0
Absolute Basophil count (EDTA Blood)	0.1	10^3 / μl	< 0.2
Platelet Count (EDTA Blood)	108	10^3 / μl	150 - 450
Remark: Verified on smear.			
MPV (Blood)	13.0	fL	7.9 - 13.7
PCT (Automated Blood cell Counter)	0.141	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate) (Citrated Blood)	11	mm/hr	< 15
Glucose Fasting (FBS) (Plasma - F/GOD-PAP)	86.62	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/GOD - POD)	Negative		Negative
Glucose Postprandial (PPBS)	117.17	mg/dL	70 - 140
(Plasma - PP/GOD-PAP)			





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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.

Urine Glucose(PP-2 hours) (Urine - PP)	Negative		Negative
Blood Urea Nitrogen (BUN) (Serum/Urease UV / derived)	11.2	mg/dL	7.0 - 21
Creatinine (Serum/Modified Jaffe)	1.27	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 (Serum/Enzymatic)	7.51	mg/dL	3.5 - 7.2
Liver Function Test			
Bilirubin(Total) (Serum/DCA with ATCS)	0.42	mg/dL	0.1 - 1.2
Bilirubin(Direct) (Serum/Diazotized Sulfanilic Acid)	0.12	mg/dL	0.0 - 0.3
Bilirubin(Indirect) (Serum/Derived)	0.30	mg/dL	0.1 - 1.0
SGOT/AST (Aspartate Aminotransferase) (Serum/Modified IFCC)	39.45	U/L	5 - 40
SGPT/ALT (Alanine Aminotransferase) (Serum/Modified IFCC)	103.83	U/L	5 - 41
GGT(Gamma Glutamyl Transpeptidase) (Serum/IFCC / Kinetic)	38.26	U/L	< 55
Alkaline Phosphatase (SAP) (Serum/Modified IFCC)	62.6	U/L	53 - 128





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Total Protein (Serum/Biuret)	7.13	gm/dl	6.0 - 8.0
Albumin (Serum/Bromocresol green)	4.55	gm/dl	3.5 - 5.2
Globulin (Serum/Derived)	2.58	gm/dL	2.3 - 3.6
A : G RATIO (Serum/Derived)	1.76		1.1 - 2.2
<u>Lipid Profile</u>			
Cholesterol Total (Serum/CHOD-PAP with ATCS)	247.90	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/GPO-PAP with ATCS)	204.86	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)	41.26	mg/dL	Optimal(Negative Risk Factor): >= 60 Borderline: 40 - 59 High Risk: < 40
LDL Cholesterol (Serum/Calculated)	165.6	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >= 190
VLDL Cholesterol (Serum/Calculated)	41	mg/dL	< 30





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Non HDL Cholesterol 206.6 mg/dL Optimal: < 130

(Serum/Calculated) 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.

Total Cholesterol/HDL Cholesterol 6 Optimal: < 3.3
Ratio (Serum/Calculated) 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 5 Optimal: < 2.5

(TG/HDL) Mild to moderate risk: 2.5 - 5.0

(Serum/Calculated) High Risk: > 5.0

LDL/HDL Cholesterol Ratio 4 Optimal: 0.5 - 3.0 (Serum/Calculated) Borderline: 3.1 - 6.0 High Risk: > 6.0

Glycosylated Haemoglobin (HbA1c)

HbA1C 5.2 % Normal: 4.5 - 5.6 (Whole Blood/*HPLC*) 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 >= 8.1 %

Estimated Average Glucose 102.54 mg/dL

(Whole Blood)



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**Type** 

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#### **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,

Printed On

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.

Prostate specific antigen - Total(PSA)

0.863

ng/ml

: 29/04/2024 12:26 PM

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

#### THYROID PROFILE / TFT

(Serum/Manometric method)

T3 (Triiodothyronine) - Total 0.804 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 4.37  $\mu$ g/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) 2.35 µIU/mL 0.35 - 5.50

(Serum/ECLIA)





The results pertain to sample tested.

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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&amplt;0.03 µIU/mL need to be clinically correlated due to presence of rare TSH variant in some individuals.

# PHYSICAL EXAMINATION (URINE COMPLETE)

Colour (Urine)	Yellow	Yellow to Amber
Appearance (Urine)	Clear	Clear
Volume(CLU) (Urine)	20	
<u>CHEMICAL EXAMINATION (UR. COMPLETE)</u>	<u>INE</u>	
pH (Urine)	5	4.5 - 8.0
Specific Gravity (Urine)	1.019	1.002 - 1.035
Ketone (Urine)	Negative	Negative
Urobilinogen (Urine)	Normal	Normal
Blood (Urine)	Negative	Negative
Nitrite (Urine)	Negative	Negative





The results pertain to sample tested.

Name : N	Mr. SHATRUGHAN PAL
----------	--------------------

PID No. : MED210014650 Register On : 27/04/2024 8:52 AM : 522406644 SID No. Collection On : 27/04/2024 9:07 AM Age / Sex : 43 Year(s) / Male Report On : 28/04/2024 10:28 AM **Type** : OP **Printed On** : 29/04/2024 12:26 PM

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Bilirubin Negative Negative

(Urine)

Negative Negative Protein

(Urine)

Glucose Negative Negative

(Urine/GOD - POD)

Leukocytes(CP) Negative

(Urine)

**MICROSCOPIC EXAMINATION** (URINE COMPLETE)

NIL Pus Cells 0-1/hpf

(Urine)

NIL **Epithelial Cells** 0-1 /hpf

(Urine)

**RBCs** NIL /hpf NIL

(Urine)

NIL Others

(Urine)

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

NIL /hpf NIL Casts

(Urine)

NIL NIL Crystals /hpf

(Urine)





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**Printed On** : 29/04/2024 12:26 PM

BUN / Creatinine Ratio 8.8 6.0 - 22.0





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**URINE ROUTINE** 





-- End of Report --

Name	MR.SHATRUGHAN PAL	ID	MED210014650
Age & Gender	43Y/MALE	Visit Date	27 Apr 2024
Ref Doctor Name	MediWheel	-	

## ABDOMINO-PELVIC ULTRASONOGRAPHY

**LIVER** is normal in shape, size (15.0cms) and has increased echogenicity. 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** Head appears normal. Rest of the pancreas is obscured by bowel gas shadows. No evidence of ductal dilatation or calcification.

**SPLEEN** shows normal shape, size (9.0cms) and echopattern.

### **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	9.7	1.5
Left Kidney	9.2	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 3.0 x 2.9cms, volume: 11cc

No evidence of ascites.

### **IMPRESSION:**

- Grade I fatty infiltration of liver.
- No other significant abnormality detected.

DR. VANDANA S CONSULTANT RADIOLOGIST Vs/Lr

Name	MR.SHATRUGHAN PAL	ID	MED210014650
Age & Gender	43Y/MALE	Visit Date	27 Apr 2024
Ref Doctor Name	MediWheel		

Name	Mr. SHATRUGHAN PAL	Customer ID	MED210014650
Age & Gender	43Y/M	Visit Date	Apr 27 2024 8:52AM
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.

Page 1 of 1

CONSULTANT RADIOLOGIST



# **OPTICAL STORE**

#12 LAKSHMI NILAYA, GROUND FLOOR, 2ND MAIN ROAD, VYALIKAVAL, BENGALURU-560003 PH. 9611444957

Name Shotzy Ghon Pal	Ph. 7762850842
Chief Complaints	
RE/LE/DOV/Blurring/Burning/I Redness/Headache	tching / Pricking
Past History	
HTN -Ve	Asthama — Ve Others — VIL
Visual Acuity	
RE LE	
Distance / Near 6 6 6 6 6	
With PH	
With Glasses	
Colour Vision BE= Normal	
SPH CYL AXIS	SPH CYL AXIS
Distance - Flore 6	4 - Plane 016
Near App	41.25 NGLESS)
Advise	RAVIK LENTA NA. L.

Patient Name Age	Shat aughan.	Date	27/04/24.
	43.	Visit Number	
Sex	male.	Corporate	

cms

## GENERAL PHYSICAL EXAMINATION

Identification Mark:

Height: 166

Weight: ☐ 6.6. kgs

Pulse: 14 /minute

Blood Pressure: (20/40. mm of Hg

BMI :

BMI INTERPRETATION

Underweight = <18.5

Normal weight = 18.5-24.9

Overweight = 25-29.9

Chest:

Expiration: 07 7 cms

Inspiration: (00 cms

Abdomen Measurement : 99 cms

Eyes : Normal. Ears : Normal.

Throat: Normal Neck nodes: Not palpable.

RS: NVB = @ CVS: S152 D. No added county

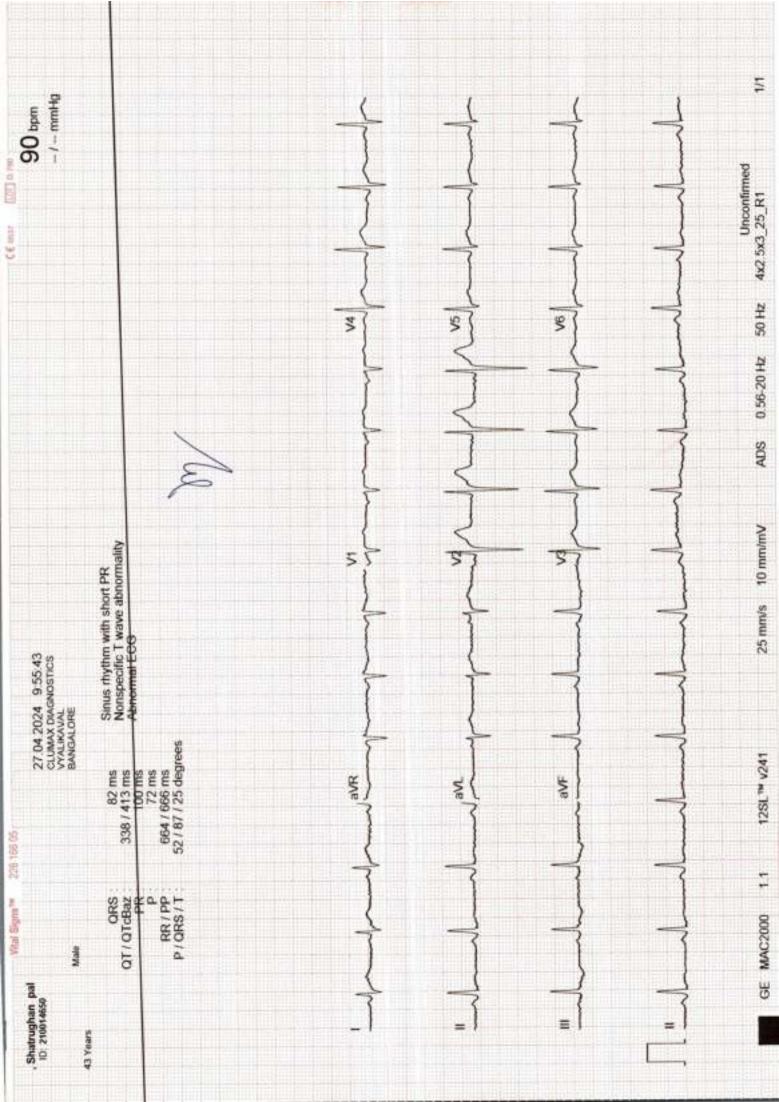
PA: goft, NAD CNS: conscious, Ordented.

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 & Dishetologies KMC Reg. No: 85875 CI UMAX DIAGNOSTICS



MEDALL CLUMAX DIAGNOSTICS VYALIKAVAL BANGALDRE

## EXERCISE STRESS TEST REPORT

Race:

DOB: 08.08.1980 Age: 43yrs

Referring Physician: -

Attending Physician: --

Gender: Male

Technician: --

Patient Name: MR SHATRUGHAN PAL, MEDIWHEEL

Patient ID: MED210014650 Height: Weight:

Study Date 28.04.2024

Protocol: BRUCE Medications:

Test Type:

Medical History:

Reason for Exercise Test:

Exercise Fest Summary

Phase Name	Stage Name	Time in Stage	Speed (mph)	Grade (%)	HR (bpm)	BP (mmHg)	Comment
PRETEST EXERCISE	SUPINE STAGE 1 STAGE 2 STAGE 3	00:17 03:00 03:00 00:19	0.00 1.70 2.50 3.40	0.00 10.00 12.00 14.00	89 136 157 164	120/80 130/80 150/90 160/90	
RECOVERY	250.16010472-00	04:03	0.00	0.00	103	130/80	

The patient exercised according to the BRUCE for 6:18 min:s, achieving a work level of Max. METS: 7.90. The resting heart rate of 101 bpm rose to a maximal heart rate of 164 bpm. This value represents 92 % of the maximal, age-predicted heart rate. The resting blood pressure of 120/80 mmHg, rose to a maximum blood pressure of 160/90 mmHg. The exercise test was stopped due to Target heart rate achieved.

## Interpretation

Summary: Resting ECG: normal. Functional Capacity: normal.

HR Response to Exercise: appropriate.

BP Response to Exercise: normal resting BP - appropriate response.

Chest Paint none. Arrhythmias: none. ST Changes: none.

Overall impression: Normal stress test.

# Conclusions

IMPRESSION: STRESS TEST IS NEGATIVE FOR INDUCIBLE ISCHEAMIA

DR. YASHODHA RAVI CONSULTANT CARDIOLOGIST

Physician

Technician

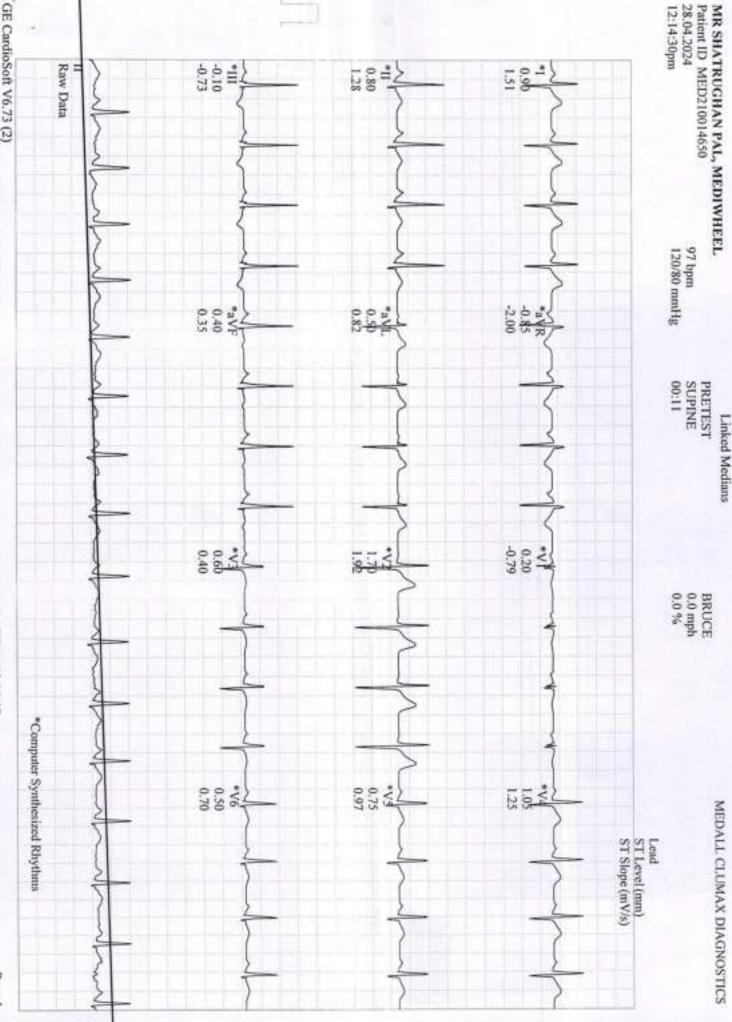
aVF 0.35 0.31	8VL 4V 0.40	-0.80 -1.87	0.03	0.80	0.85 mlm 1.66 mV/s	BASELINE EXERCISE 0:01 89 bpm 120/80 mmHg
aVF \$ -1.15	1.10 1.10	0.15 -1.70	-1.50 -0.53	1.56	0.65	MAX. ST EXERCISE 6:19 164 bpm 160/90 mmHg
avF 1.15	1.10 1.14	0.15 0.15	-1.50 -0.53	-0.80 1.56	1.92 1.92	PEAK EXERCISE EXERCISE 6:19 164 bpm 160/90 mmHg
-0.35 -0.08	aVL 0.30 0.67	aVR√  0.00 -1.15	-0.45	-0.25 0.55	0.20	TEST END RECOVERY 4:01 102 bpm
V6 0,45 0,75	0.75 0.75	1.05	0.60 0.35	1.70 1.89	VI W	BASELINE EXERCISE 0:01 89 bpm 120/80 mmHg
V6 -0.55 0.95	1.56 1.56	-0.15 1.67	-0.35 0.69	V2 0.85 2.07	0.00 0.73	MAX. ST EXERCISE 6:19 164 bpm 160/90 mmHg
-0.55 0.95	-0.35 1.56	0.15 1.67	0.69	0.85 2.07	V	PEAK EXERCISE EXERCISE 6:19 164 bpm 160/90 mmHg
V6 0.15 0.25	0.54 0.54	0.50	0.40	1500 \$	0.40 -0.45	TEST END RECOVERY 4:01 102 bpm

GE CardioSoft V6.73 (2) 10mm/mV 50Hz 0.01-20Hz S+ HEART V5.4

Unconfirmed

Attending MD:

Page 2



GE CardioSoft V6.73 (2) 25 mm/s 10 mm/mV 50Hz 0.01 - 20Hz S+ HR(V2.1)

Start of Test: 12:14:17pm

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