Dr. Goyal's
Path Lab & Imaging Centre

B-51, Ganesh Nagar, Near Metro Piller No. 109-110, New Sanganer Road,
Sodala, Jaipur-302019
Tele : 0141-2293346, 4049787, 9887049787
Website: www. drgoyalspathlab.com | E-mail: drgoyalpiyush@gmail.com

General Physical Examination

Date of Examination: 29/01/2024

Name: Bharat Prasad meena Age: 44 Sex: male

DOB: 25/12/1979

Referred By: Wallwheel

Photo ID: Aadhaar ID #: Attached.

Ht: 167 (cm) Wt: 75 (Kg)

Chest (Expiration): 93 (cm) Abdomen Circumference: 95 (cm)

Blood Pressure: 130 / 80 mm Hg PR: 75 / min

BMI 26.9

Eye Examination: Vision Normal 6/6 N/6.
No Colour blindness.

Other: Not significant.

On examination he/she appears physically and mentally fit: Yes / No

Signature Of Examine : ---------- **Name of Examinee:** ----------

Dr. Piyush Goyal
M.B.B.S., D.M.R.D
RMC Reg. No.-017

Signature Medical Examiner: ---------- **Name Medical Examiner** ----------

Piyush Go...
M.B.B.S., D.M.R.D
RMC Reg. No.-017...

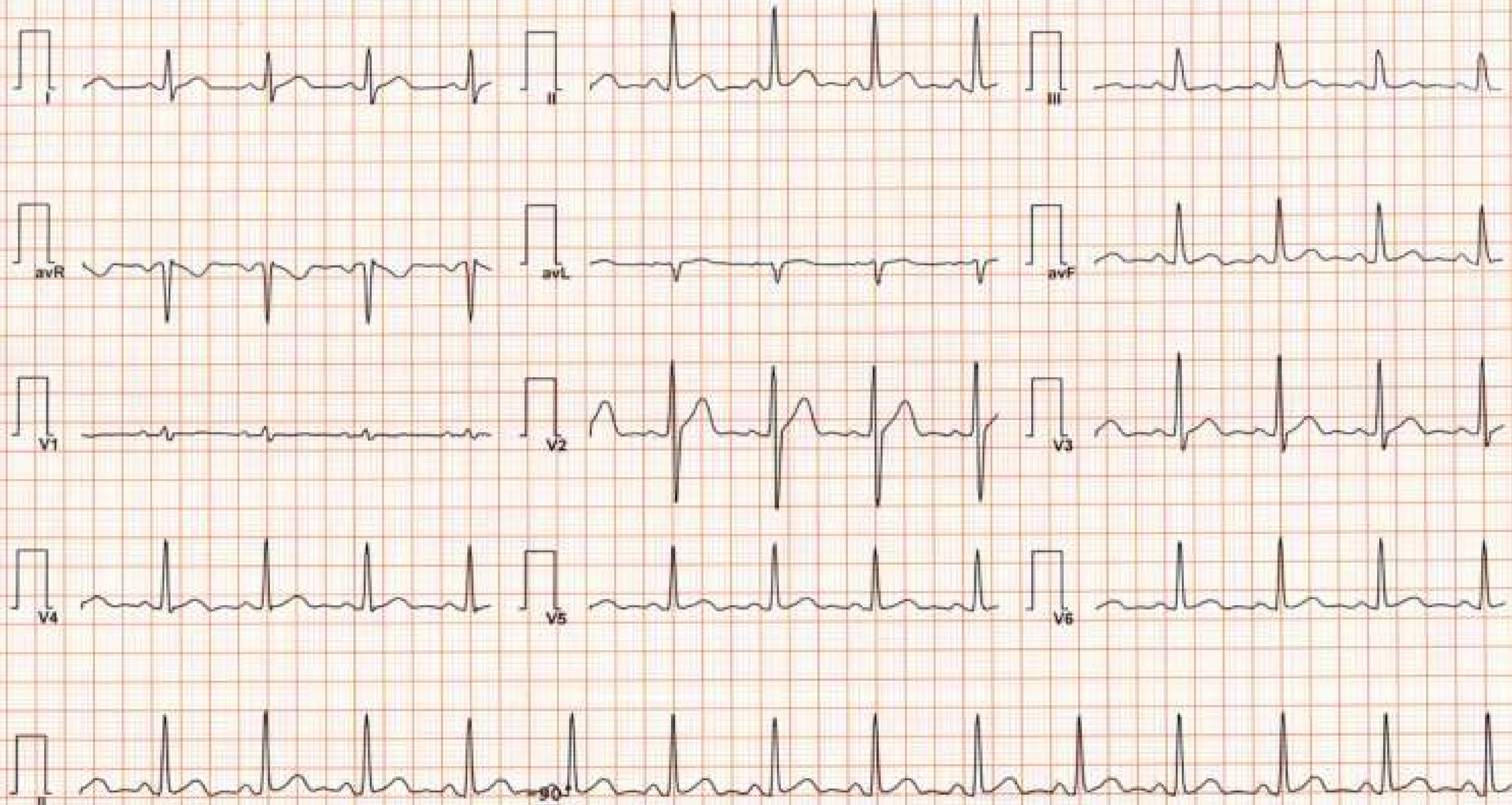
...B.B.S., D.M.R.D.
RMC Reg. No.-017966

DR.GOYAL PATH LAB

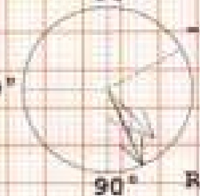
ECG

3872 / MR GIRRAJ PRASAD MEENA / 44 Yrs / M/ Non Smoker

Heart Rate : 85 bpm / Tested On : 28-Jan-24 12:20:26 / HF 0.05 Hz - LF 35 Hz / Notch 50 Hz / Sn 1.00 Cm/mV / Sw 25 mm/s / Refd By.: BOB



Vent Rate : 85 bpm
PR Interval : 152 ms
QRS Duration: 82 ms
QT/QTc Int : 348/394 ms
P-QRS-T axis: 64.00• 66.00• 47.00•



Axis R 66.00° T 47.00° P 64.00°

TWNL

Dr. Naresh Kumar Mohanka
BMC No. 35703
MBBS, Dip. CARDIO (ESCORT)
FEM (RGPV)

Reported By:

Allengers ECG (Pisces)(PIS218210312)

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Report

SODALA JAIPUR RAJ. EMail:

669 (113) / MR GIRRAJ PRASAD MEENA / 44 Yrs / M / 0 Cms / 0 Kg / NonSmoker
Date: 28 / 01 / 2024 12:21:53 PM Refd By : BOB Examined By:

Stage	Time	Duration	Speed(mph)	Elevation	METs	Rate	% THR	BP	RPP	PVC	Comments
Supine	00:04	0:04	01.1	00.0	01.0	082	47 %	120/80	098	00	
Standing	01:15	1:11	01.1	00.0	01.0	089	51 %	120/80	106	00	
HV	02:02	0:47	01.1	00.0	01.0	090	51 %	120/80	108	00	
Warm Up	03:01	0:59	01.1	00.0	01.0	086	49 %	120/80	103	00	
ExStart	04:39	1:38	01.0	00.0	01.0	116	66 %	120/80	139	00	
BRUCE Stage 1	07:39	3:00	01.7	10.0	04.7	138	78 %	130/85	179	00	
BRUCE Stage 2	10:39	3:00	02.5	12.0	07.1	156	89 %	140/90	218	00	
PeakEx	11:37	0:58	03.4	14.0	08.1	165	94 %	140/90	231	00	
Recovery	12:37	1:00	00.0	00.0	01.2	137	78 %	140/90	191	00	
Recovery	13:37	2:00	00.0	00.0	01.0	109	62 %	140/90	152	00	
Recovery	14:37	3:00	00.0	00.0	01.0	110	62 %	135/85	148	00	
Recovery	15:37	4:00	00.0	00.0	01.0	105	60 %	125/80	131	00	
Recovery	16:06	4:30	00.0	00.0	01.0	102	58 %	125/80	127	00	

FINDINGS :

Exercise Time : 06:58
Max HR Attained : 165 bpm 94% of Target 176
Max BP Attained : 140/90 (mm/Hg)
Max WorkLoad Attained : 8.1 Fair response to induced stress

Test End Reasons : Test Complete, Heart Rate Achieved

TMT is a Negative for Rms

REPORT :

Dr. Naresh Kumar Mohnka
RMC 35703
MBBS, DIP. CARD. (ESCORTS)
DEM. (RCGP-UK)

DR . GOYALS PATH LAB & IMGING CENTRE

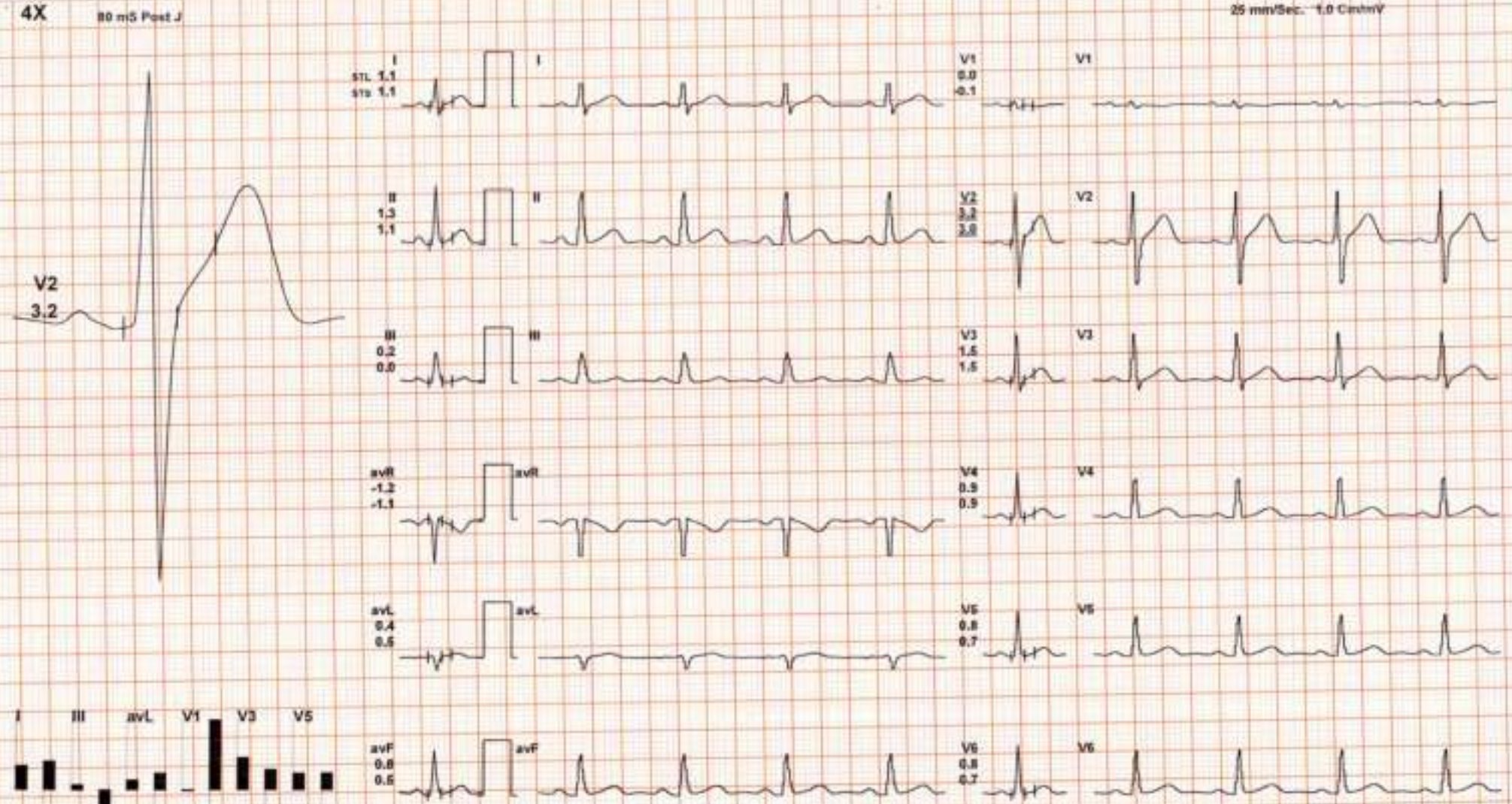
BRUCE:Supine(0:07)

669 (113) / MR GIRRAJ PRASAD MEENA / 44 Yrs / M / 0 Cms / 0 Kg / HR : 82

Date: 28 / 01 / 2024 12:21:53 PM METS: **1.0/ 82** bpm **47%** of THR BP: **120/80 mmHg** Combined Medians/ BLC On/ Notch On/ HF 0.05 Hz/LF 35 Hz

ExTime: **00:00** **1.1** mph, **0.0%**

25 mm/Sec, 1.0 Cm/mV



REMARKS:

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BRUCE:Standing(1:11)

669 (113) / MR GIRRAJ PRASAD MEENA / 44 Yrs / M / 0 Cms / 0 Kg / HR : 89

Date: 28 / 01 / 2024 12:21:53 PM METS: **1.0/ 89** bpm **51%** of THR BP: **120/80 mmHg** Combined Medians/ BLC On/ Notch On/ HF 0.05 Hz/LF 35 Hz

ExTime: **00:00** **1.1** mph, **0.0%**

4X **80 mS Post J**

25 mm/Sec, 1.0 Cm/mV

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BRUCE:HV(0:47)

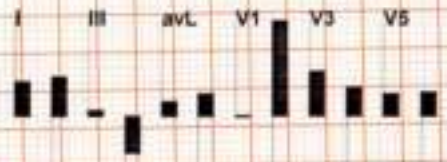
669 (113) / MR GIRRAJ PRASAD MEENA / 44 Yrs / M / 0 Cms / 0 Kg / HR : 90

Date: 28 / 01 / 2024 12:21:53 PM METS: **1.0/ 90** bpm **51%** of THR BP: **120/80 mmHg** Combined Medians/ BLC On/ Notch On/ HF 0.05 Hz/LF 35 Hz

ExTime: **00:00** **1.1** mph, **0.0%**

25 mm/Sec **1.0 Cm/mV**

4X **80 mS Post J**



II avR avF V2 V4 V6

REMARKS:

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BRUCE:Warm Up(0:59)

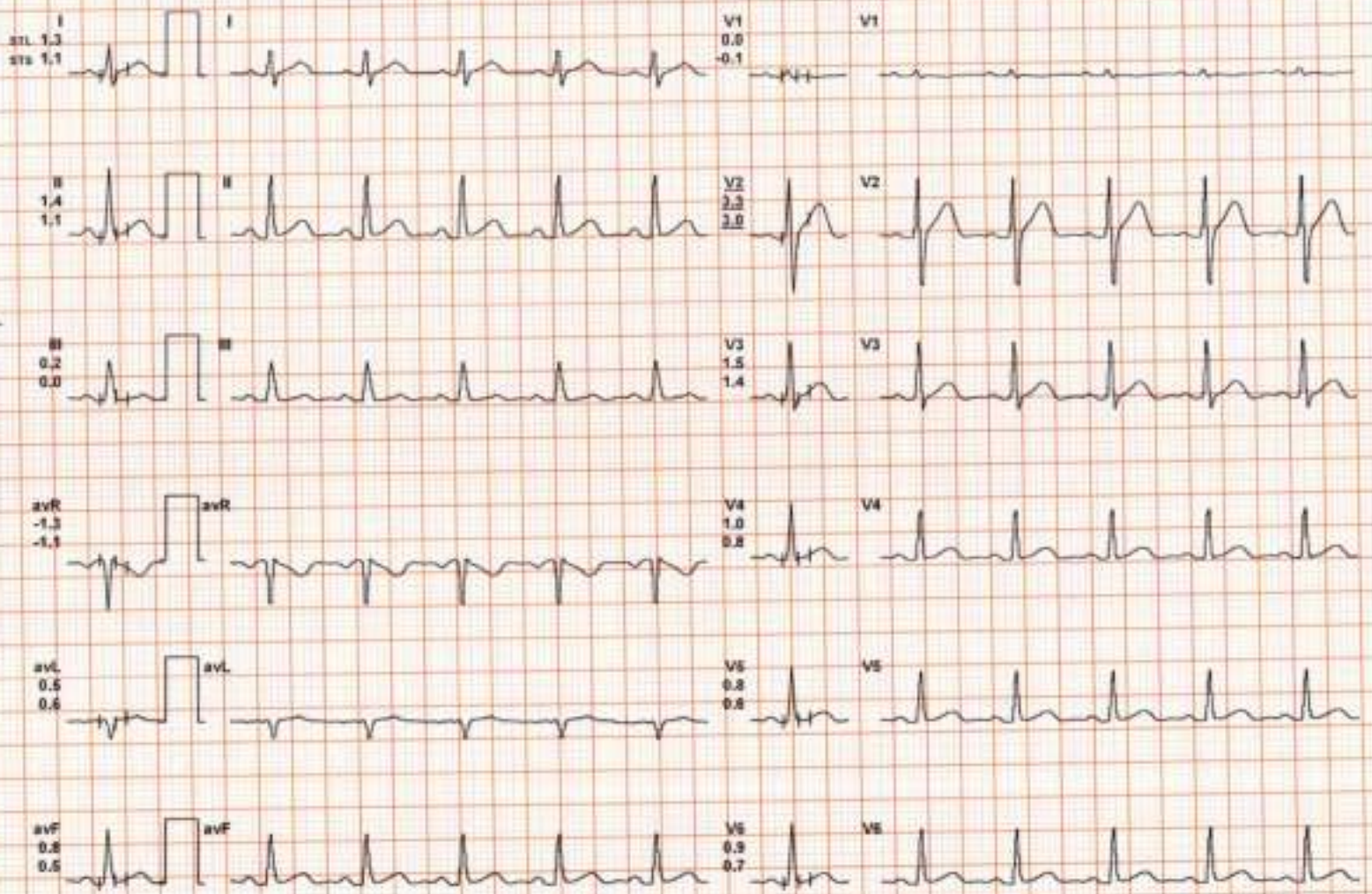
669 (113) / MR GIRRAJ PRASAD MEENA / 44 Yrs / M / 0 Cms / 0 Kg / HR : 86

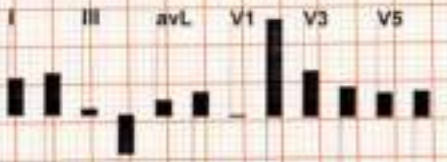
Date: 28 / 01 / 2024 12:21:53 PM METS: **1.0/ 86** bpm **49%** of THR BP: **120/80 mmHg** Combined Medians/ BLC On/ Notch On/ HF 0.05 Hz/LF 35 Hz

ExTime: **00:00** **1.1** mph, **0.0%**

25 mm/Sec. 1.0 Cm/mV

4X **80 mS Post J**





REMARKS:

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ExStart

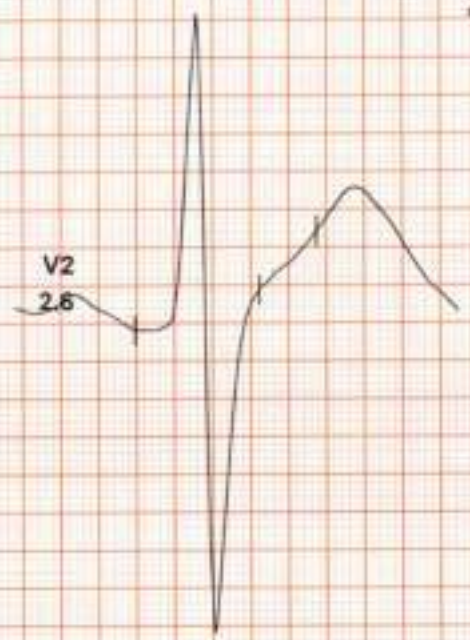
669 (113) / MR GIRRAJ PRASAD MEENA / 44 Yrs / M / 0 Cms / 0 Kg / HR : 116

Date: 28 / 01 / 2024 12:21:53 PM METS: 1.0/ 116 bpm 66% of THR BP: 120/80 mmHg Combined Medians/ BLC On/ Notch On/ HF 0.05 Hz/LF 35 Hz

ExTime: 00:00 1.0 mph, 0.0%

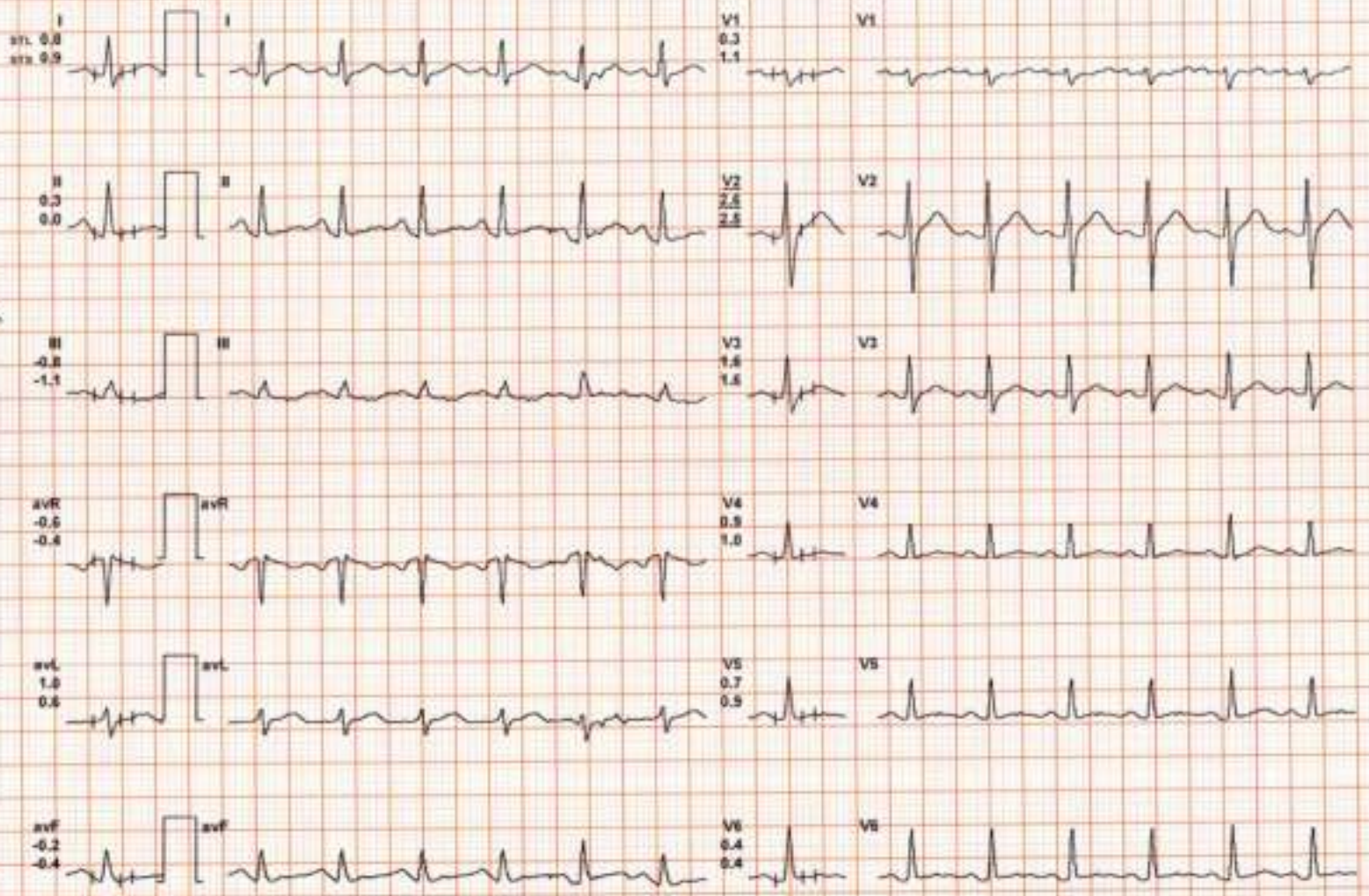
25 mm/Sec, 1.0 Cm/mV

4X 60 mS Post J



II avR avF V2 V4 V6

REMARKS:



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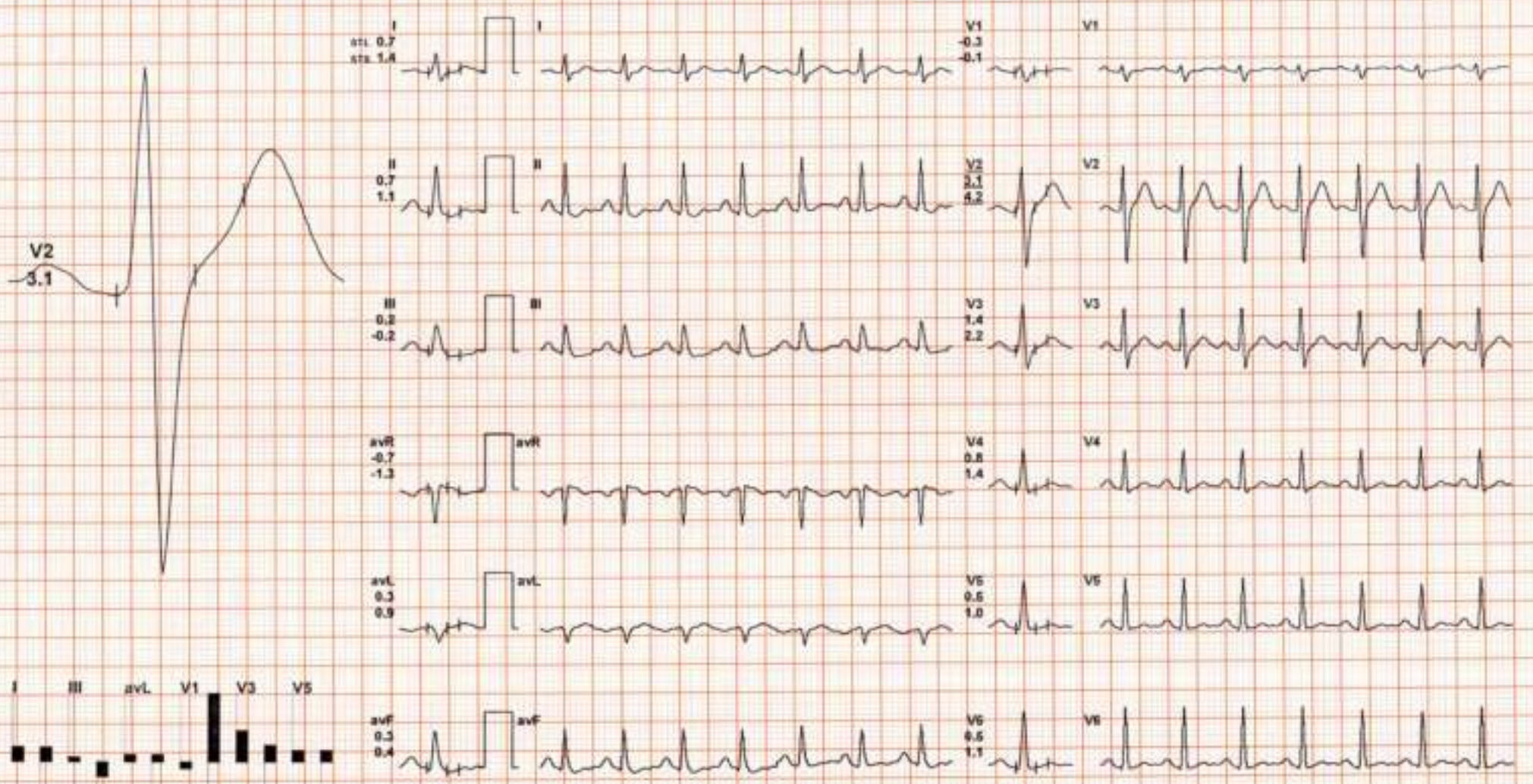
BRUCE:Stage 1(3:00)

669 (113) / MR GIRRAJ PRASAD MEENA / 44 Yrs / M / 0 Cms / 0 Kg / HR : 138

Date: 28 / 01 / 2024 12:21:53 PM METS: **4.7/ 138** bpm **78%** of THR BP: **130/85 mmHg** Combined Mediane/ BLC On/ Notch On/ HF 0.05 Hz/LF 35 Hz ExTime: **03:00** 1.7 mph, 10.0%

25 mm/Sec. 1.0 Cms/mV



REMARKS:

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BRUCE:Stage 2(3:00)

669 (113) / MR GIRRAJ PRASAD MEENA / 44 Yrs / M / 0 Cms / 0 Kg / HR : 156

Date: 28 / 01 / 2024 12:21:53 PM METS: **7.1/ 156** bpm **89%** of THR BP: **140/90 mmHg** Combined Medians/ BLC On/ Notch On/ HF 0.05 Hz/LF 35 Hz

ExTime: **06:00** **2.5** mph, **12.0%**

25 mm/Sec: 1.0 Cm/mV

4X 60 mS Post J

REMARKS:

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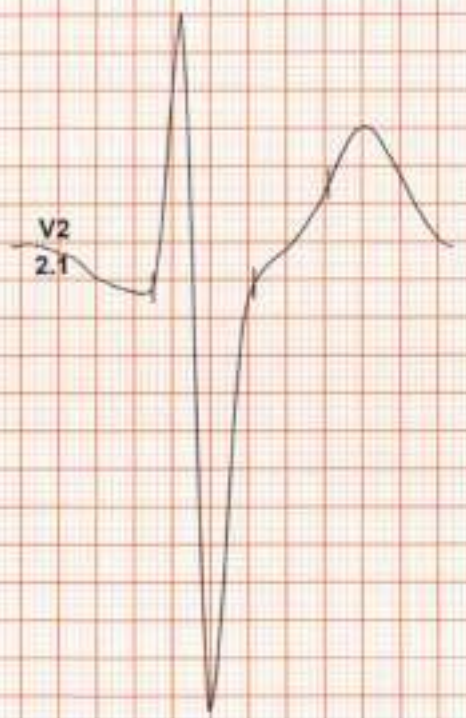
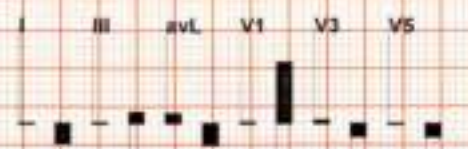
PeakEx

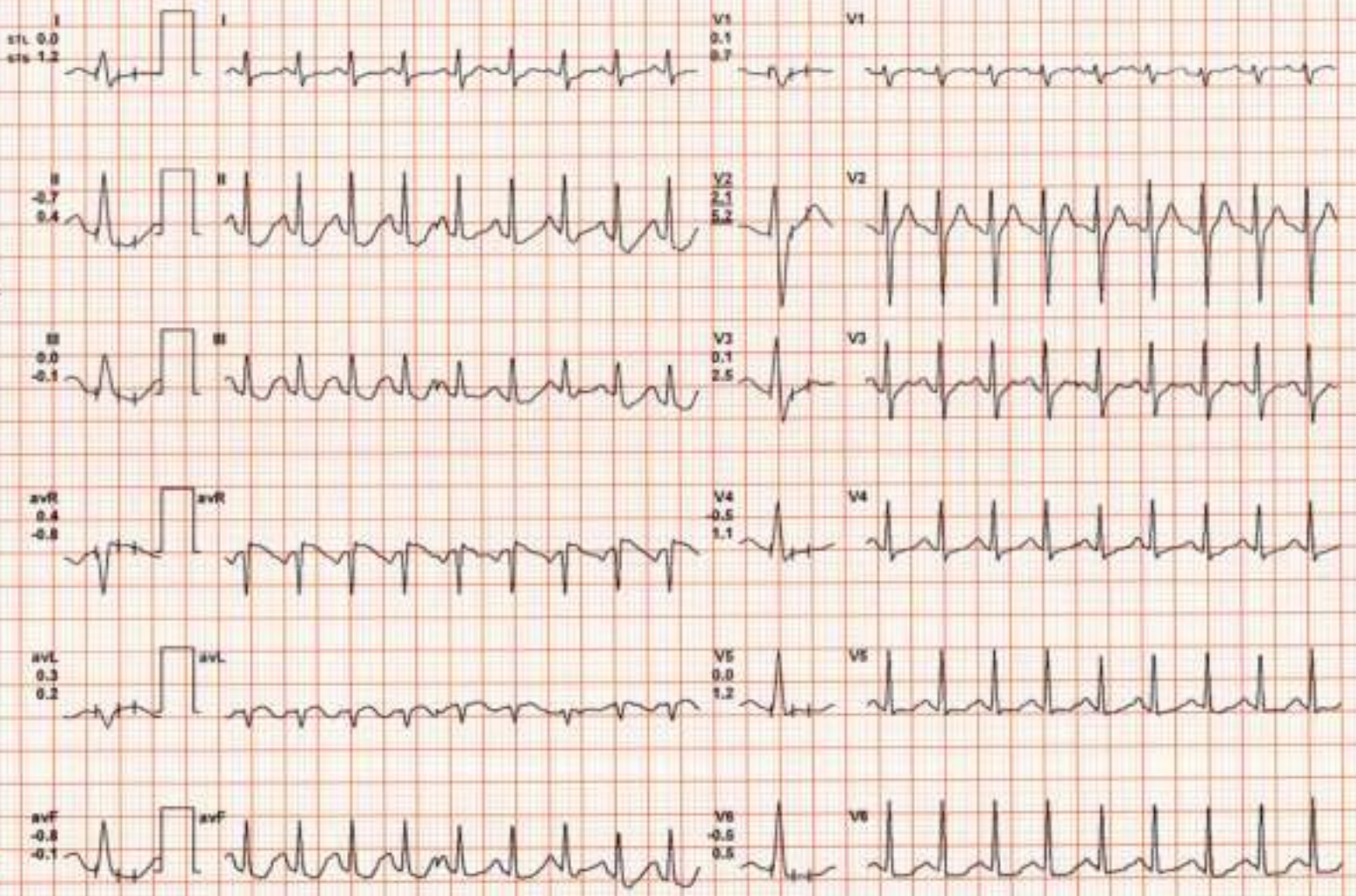
669 (113) / MR GIRRAJ PRASAD MEENA / 44 Yrs / M / 0 Cms / 0 Kg / HR : 165

Date: 28 / 01 / 2024 12:21:53 PM METS: 8.1/ 165 bpm 94% of THR BP: 140/90 mmHg Combined Medians/ BLC On/ Notch On/ HF 0.05 Hz/LF 35 Hz ExTime: 06:58 3.4 mph, 14.0%

4X 60 mS Post J 25 mm/Sec 1.0 Cm/mV







REMARKS:

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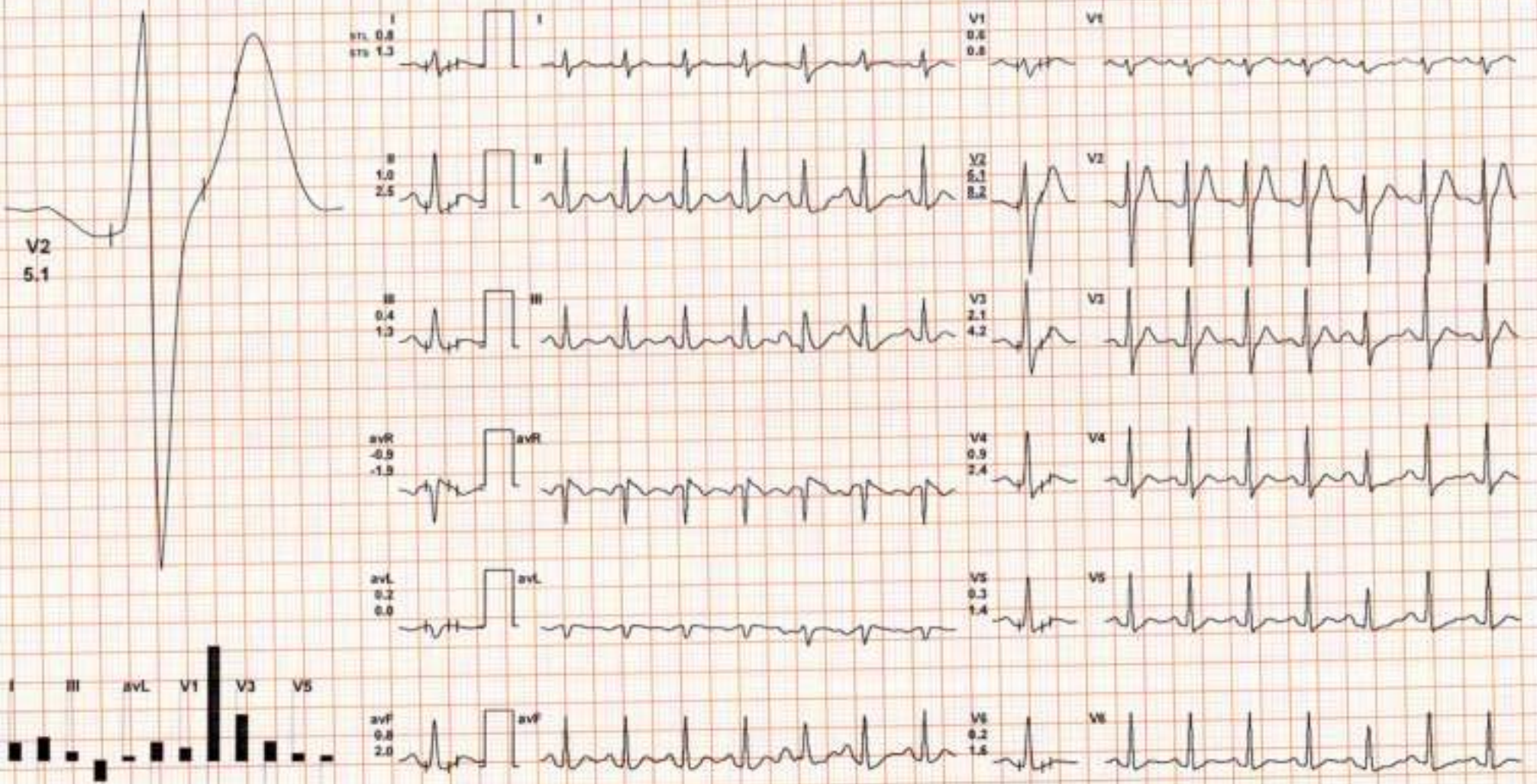
Recovery(1:00)

669 (113) / MR GIRRAJ PRASAD MEENA / 44 Yrs / M / 0 Cms / 0 Kg / HR : 137

Date: 28 / 01 / 2024 12:21:53 PM METS: **1.2/ 137** bpm **78%** of THR BP: **140/90 mmHg** Combined Medians/ BLC On/ Notch On/ HF 0.05 Hz/LF 35 Hz ExTime: **06:58** **0.0** mph **0.0%**

4X **40 mS Post J** **25 mm/Sec 1.0 Cm/mV**



REMARKS:

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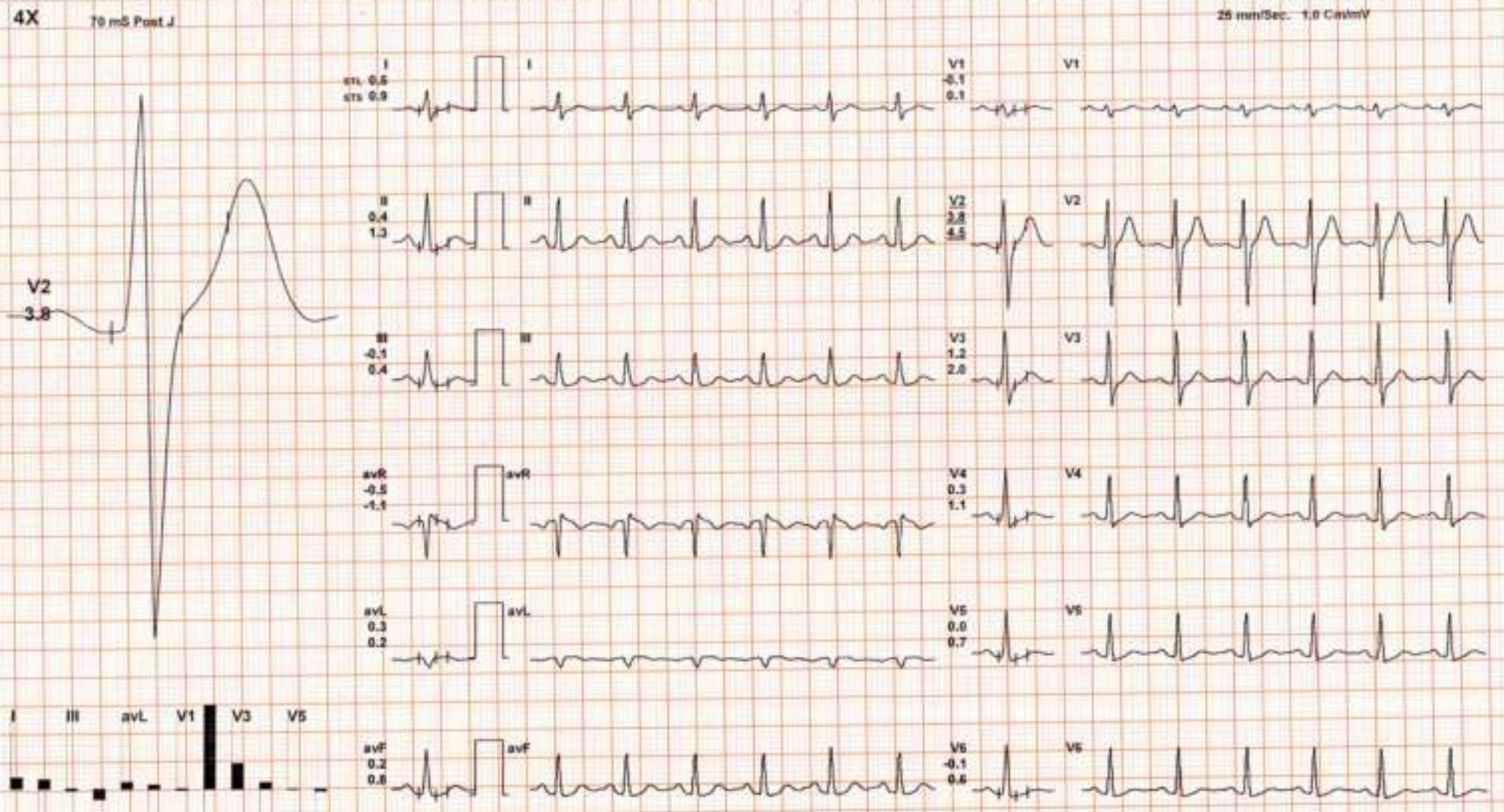
Recovery(2:00)

669 (113) / MR GIRRAJ PRASAD MEENA / 44 Yrs / M / 0 Cms / 0 Kg / HR : 109

Date: 28 / 01 / 2024 12:21:53 PM METS: **1.0/ 109** bpm **62%** of THR BP: **140/90 mmHg** Combined Medians/ BLC On/ Notch On/ HF 0.05 Hz/LF 35 Hz

ExTime: **06:58** **0.0** mph, **0.0%**

25 mm/Sec, **1.0** Cm/mV



REMARKS:

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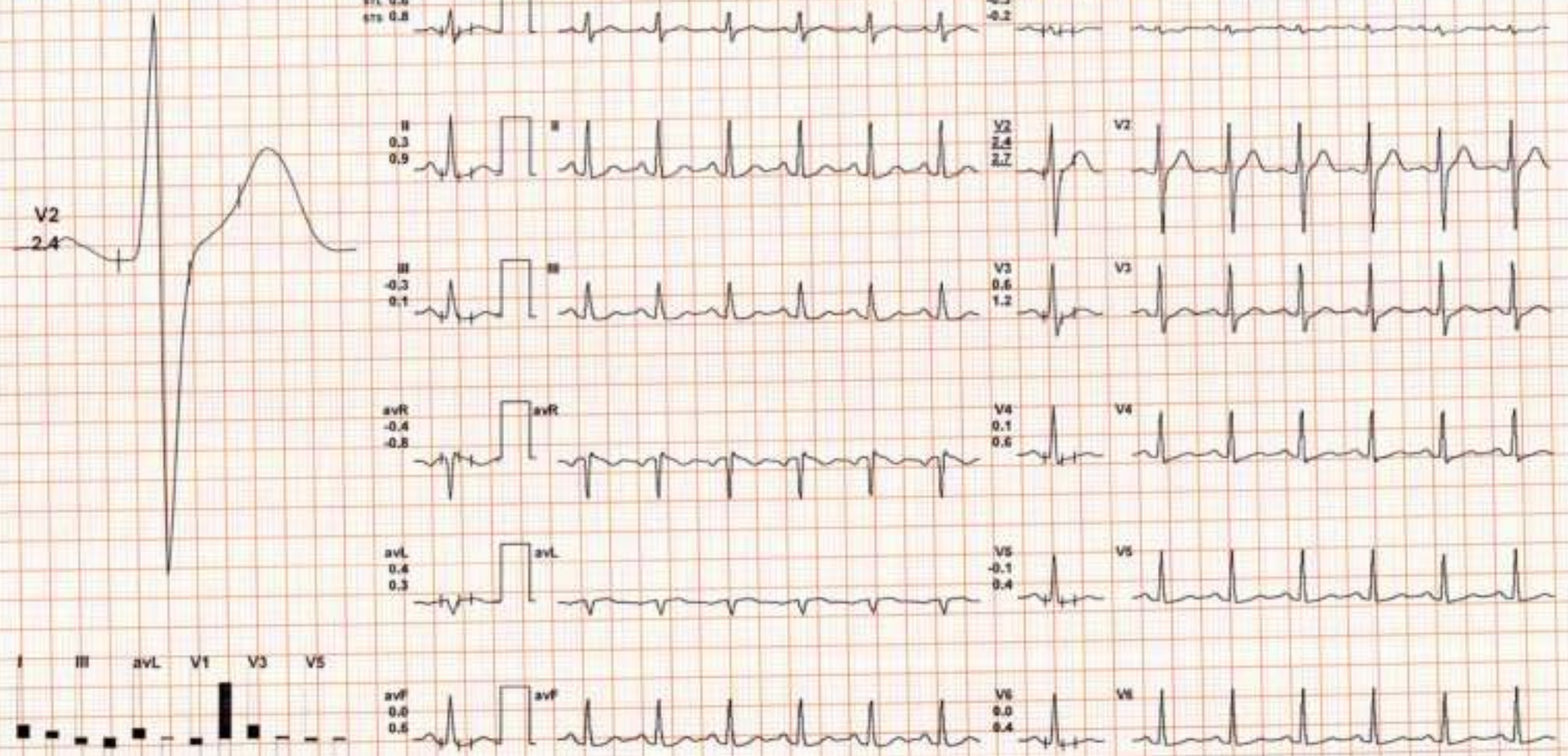
Recovery(3:00)

669 (113) / MR GIRRAJ PRASAD MEENA / 44 Yrs / M / 0 Cms / 0 Kg / HR : 110

Date: 28 / 01 / 2024 12:21:53 PM METS: **1.0/ 110** bpm **62%** of THR BP: **135/85 mmHg** Combined Medians/ BLC On/ Notch On/ HF 0.05 Hz/LF 35 Hz ExTime: **06:58** **0.0** mph **0.0%**

4X **80 mS Post J** **25 mm/Sec** **1.0 Cm/mV**



REMARKS:

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Recovery(4:00)

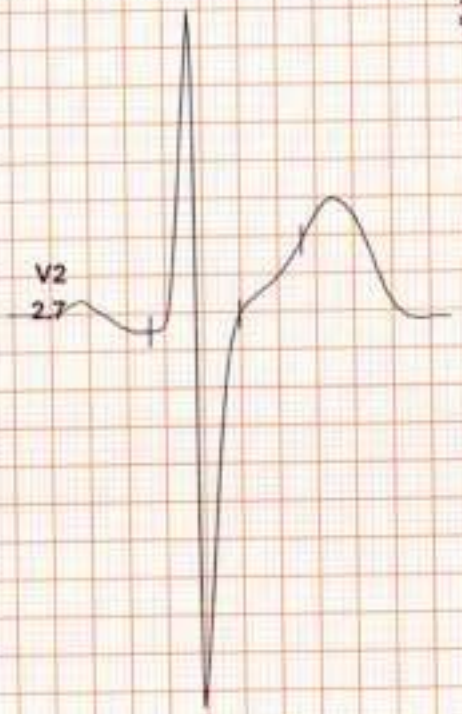
669 (113) / MR GIRRAJ PRASAD MEENA / 44 Yrs / M / 0 Cms / 0 Kg / HR : 105

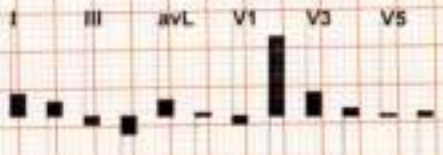
Date: 28 / 01 / 2024 12:21:53 PM METS: **1.0/ 105** bpm **60%** of THR BP: **125/80 mmHg** Combined Medians/ BLC On/ Notch On/ HF 0.05 Hz/LF 35 Hz

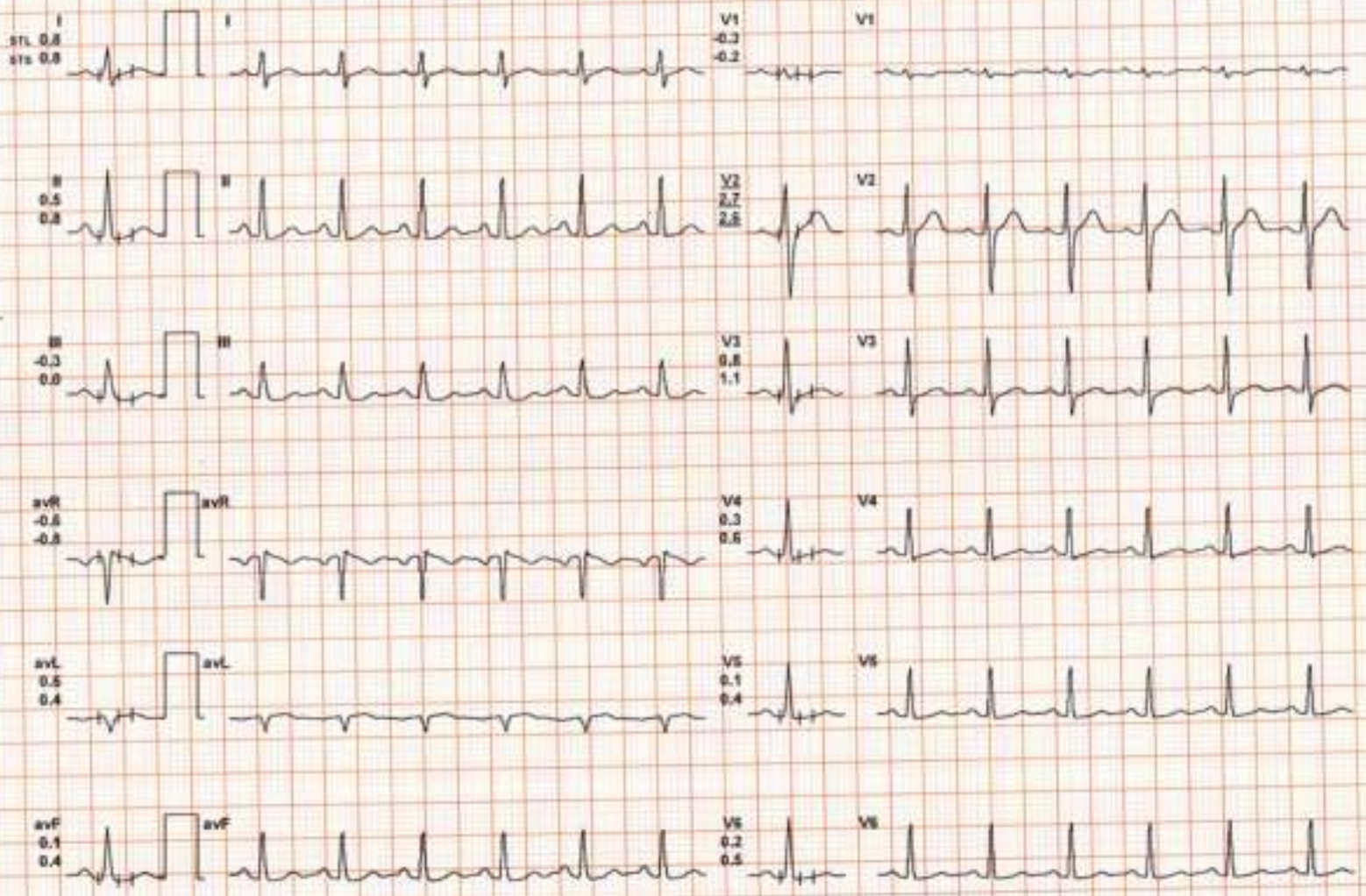
ExTime: **06:58** 0.0 mph, **0.0%**

25 mm/Sec, 1.0 Cm/mV

4X 80 mS Post J







REMARKS:

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Recovery(4:30)

669 (113) / MR GIRRAJ PRASAD MEENA / 44 Yrs / M / 0 Cms / 0 Kg / HR : 102

Date: 28 / 01 / 2024 12:21:53 PM METS: **1.0/ 102** bpm **58%** of THR BP: **125/80 mmHg** Combined Medians/ BLC On/ Notch On/ HF 0.05 Hz/LF 35 Hz ExTime: 06:58 0.0 mph 0.0%

4X 80 mS Post J

25 mm/Sec. 1.0 Cm/mV

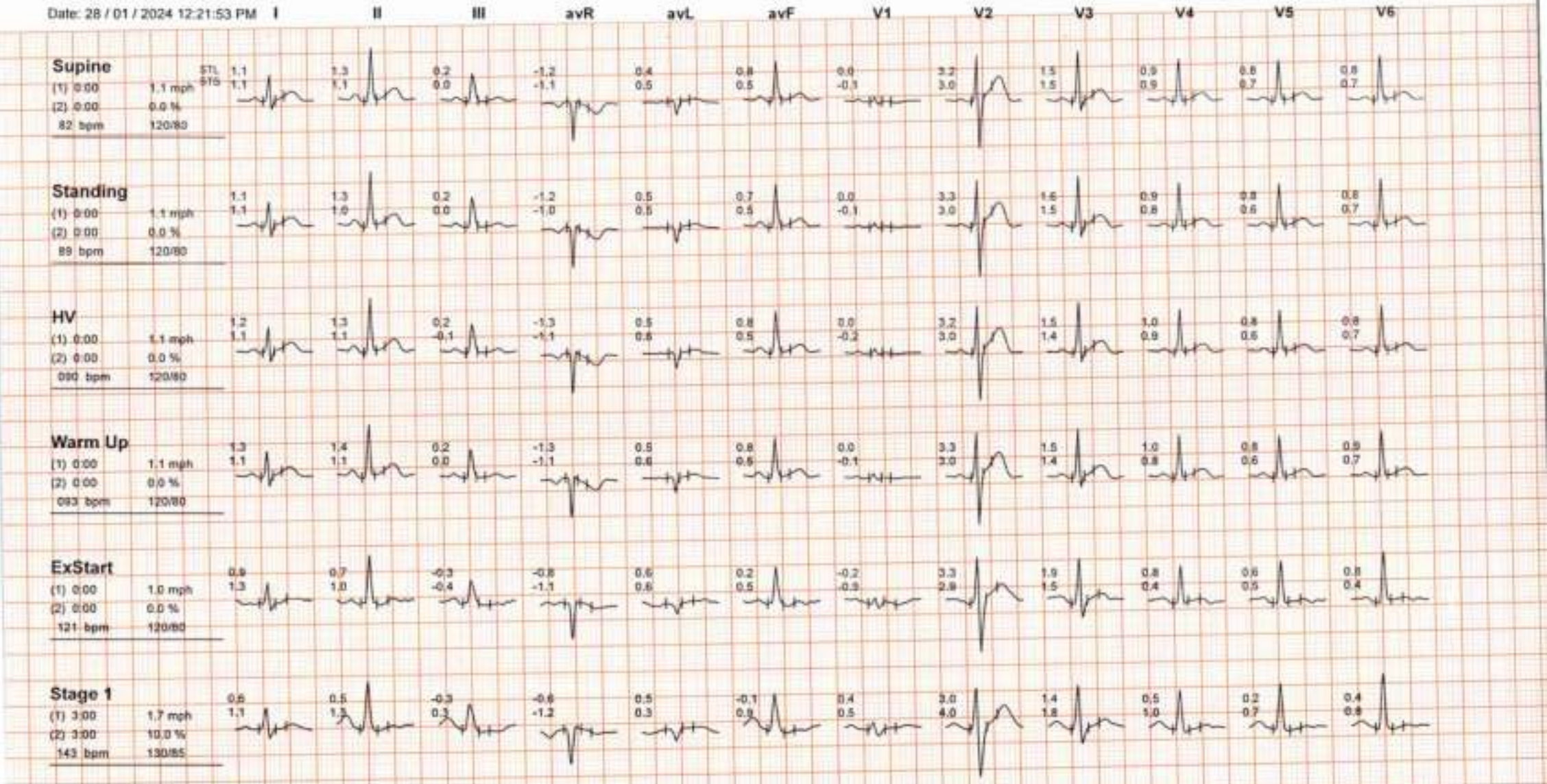
REMARKS:

DR . GOYALS PATH LAB & IMGING CENTRE

Average

669 (113) / MR GIRRAJ PRASAD MEENA / 44 Yrs / M / 0 Cms / 0 Kg / HR : 90

Date: 28 / 01 / 2024 12:21:53 PM



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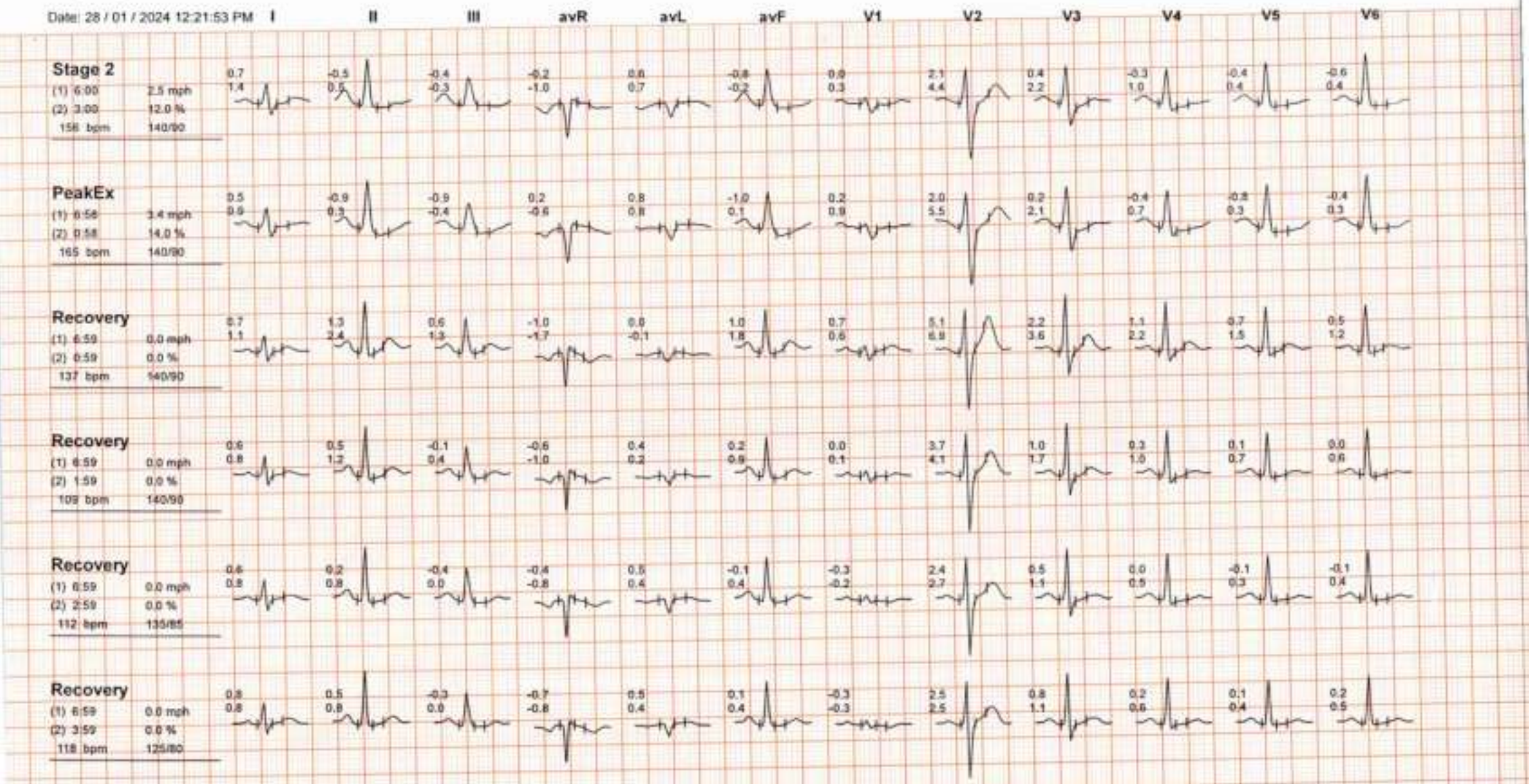
Average

669 (113) / MR GIRRAJ PRASAD MEENA / 44 Yrs / M / 0 Cms / 0 Kg / HR : 90

Date: 28 / 01 / 2024 12:21:53 PM



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Average

669 (113) / MR GIRRAJ PRASAD MEENA / 44 Yrs / M / 0 Cms / 0 Kg / HR : 90

Date: 28 / 01 / 2024 12:21:53 PM

Recovery

(1) 6:59 0.0 mph

(2) 4:29 0.0 %

106 bpm 125/80

Dr. Goyal's
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Sodala, Jaipur-302019
Tele : 0141-2293346, 4049787, 9887049787
Website: www. drgoyalspathlab.com | E-mail: drgoyalpiyush@gmail.com

Date :- 28/01/2024 09:47:44
NAME :- Mr. GIRRAJ PRASAD MEENA
Sex / Age :- Male 44 Yrs 2 Mon 5 Days
Company :- MediWheel

Patient ID :-12235488
Ref. By Dr:- BOB
Lab/Hosp :-

Sample Type :- EDTA | Sample Collected Time28/01/2024 09:56:37 | Final Authentication : 28/01/2024 12:44:49

HAEMATOLOGY

Test Name	Value	Unit	Biological Ref Interval
HAEMOGARAM			
HAEMOGLOBIN (Hb)	15.0	g/dL	13.0 - 17.0
TOTAL LEUCOCYTE COUNT	4.91	/cumm	4.00 - 10.00
DIFFERENTIAL LEUCOCYTE COUNT			
NEUTROPHIL	47.1	%	40.0 - 80.0
LYMPHOCYTE	**41.1** H	%	20.0 - 40.0
EOSINOPHIL	**7.7** H	%	1.0 - 6.0
MONOCYTE	3.8	%	2.0 - 10.0
BASOPHIL	0.3	%	0.0 - 2.0
NEUT#	2.32	10^3/uL	1.50 - 7.00
LYMPH#	2.02	10^3/uL	1.00 - 3.70
EO#	0.38	10^3/uL	0.00 - 0.40
MONO#	0.18	10^3/uL	0.00 - 0.70
BASO#	0.01	10^3/uL	0.00 - 0.10
TOTAL RED BLOOD CELL COUNT (RBC)	5.05	x10^6/uL	4.50 - 5.50
HEMATOCRIT (HCT)	47.10	%	40.00 - 50.00
MEAN CORP VOLUME (MCV)	93.3	fL	83.0 - 101.0
MEAN CORP HB (MCH)	29.6	pg	27.0 - 32.0
MEAN CORP HB CONC (MCHC)	31.8	g/dL	31.5 - 34.5
PLATELET COUNT	155	x10^3/uL	150 - 410
RDW-CV	13.9	%	11.6 - 14.0
MENTZER INDEX	18.48		

The Mentzer index is used to differentiate iron deficiency anemia from beta thalassemia trait. If a CBC indicates microcytic anemia, these are two of the most likely causes, making it necessary to distinguish between them.
If the quotient of the mean corpuscular volume divided by the red blood cell count is less than 13, thalassemia is more likely. If the result is greater than 13, then iron-deficiency anemia is more likely.

AJAYSINGH
Technologist

Dr. Chandrika Gupta
MBBS,MD (Path)
RMC NO. 21021/008037

Dr. Goyal's
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Date :- 28/01/2024 09:47:44
NAME :- Mr. GIRRAJ PRASAD MEENA
Sex / Age :- Male 44 Yrs 2 Mon 5 Days
Company :- MediWheel

Patient ID :-12235488
Ref. By Dr:- BOB
Lab/Hosp :-

Sample Type :- EDTA | Sample Collected Time28/01/2024 09:56:37 | Final Authentication : 28/01/2024 12:44:49

HAEMATOLOGY

Test Name	Value	Unit	Biological Ref Interval
BOB PACKAGE ABOVE 40MALE			
GLYCOSYLATED HEMOGLOBIN (HbA1C) **Method:- HPLC**	5.9	%	Non-diabetic: < 5.7 Pre-diabetics: 5.7-6.4 Diabetics: = 6.5 or higher ADA Target: 7.0 Action suggested: > 6.5

Instrument name: ARKRAY's ADAMS Lite HA 8380V, JAPAN.

Test Interpretation:
HbA1C is formed by the condensation of glucose with n-terminal valine residue of each beta chain of HbA to form an unstable schiff base.It is the major fraction,constituting approximately 80% of HbA1c.Formation of glycated hemoglobin (GHb) is essentially irreversible and the concentration in the blood depends on both the lifespan of the red blood cells (RBC) (120 days) and the blood glucose concentration. The GHb concentration represents the integrated values for glucose overthe period of 6 to 8 weeks. GHb values are free of day to day glucose fluctuations and are unaffected by recent exercise or food ingestion. Concentration of plasmaglucose concentration in GHb depends on the time interval, with more recent values providing a larger contribution than earlier values. The interpretation of GHbdepends on RBC having a normal life span. Patients with hemolytic disease or other conditions with shortened RBC survival exhibit a substantial reduction of GHb.High GHb have been reported in iron deficiency anemia. GHb has been firmly established as an index of long term blood glucose concentrations and as a measureof the risk for the development of complications in patients with diabetes mellitus. The absolute risk of retinopathy and nephropathy are directly proportional to themean of HbA1C.Genetic variants (e.g. HbS trait, HbC trait), elevated HbF and chemically modified derivatives of hemoglobin can affect the accuracy of HbA1cmeasurements. The effects vary depending on the specific Hb vatiant or derivative and the specific HbA1c method.
Ref by ADA 2020

MEAN PLASMA GLUCOSE **Method:- Calculated Parameter**	123	mg/dL	Non Diabetic < 100 mg/dL Prediabetic 100- 125 mg/dL Diabetic 126 mg/dL or Higher

AJAYSINGH
Technologist

Dr. Chandrika Gupta
MBBS.MD (Path)
RMC NO. 21021/008037

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Date :- 28/01/2024 09:47:44
NAME :- Mr. GIRRAJ PRASAD MEENA
Sex / Age :- Male 44 Yrs 2 Mon 5 Days
Company :- MediWheel

Patient ID :-12235488
Ref. By Dr:- BOB
Lab/Hosp :-

Sample Type :- EDTA | Sample Collected Time 28/01/2024 09:56:37 | Final Authentication : 28/01/2024 12:44:49

HAEMATOLOGY

Test Name	Value	Unit	Biological Ref Interval
Erythrocyte Sedimentation Rate (ESR)	**18** H	mm/hr.	00 - 13

(ESR) Methodology : Measurment of ESR by cells aggregation.
Instrument Name : Indepedent form Hematocrit value by Automated Analyzer (Roller-20)
Interpretation : ESR test is a non-specific indicator ofinflammatory disease and abnormal protein states.
The test in used to detect, follow course of a certain disease (e.g-tuberculosis, rheumatic fever, myocardial infarction
Levels are higher in pregnency due to hyperfibrinogenaemia.
The "3-figure ESR " x>100 value nearly always indicates serious disease such as a serious infection, malignant paraproteinaemia or connective tissue disease.

(CBC)- Methodology :TLC,DLC Fluorescent Flow cytometry, HB SLS method,TRBC,PCV,PLT Hydrodynamically focused Impedance. and **MCH,MCV,MCHC,MENTZER INDEX** are calculated. **InstrumentName:** Sysmex 6 part fully automatic analyzer XN-L,Japan

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Sample Type :- PLAIN/SERUM | Sample Collected Time:28/01/2024 09:56:37 | Final Authentication : 28/01/2024 11:48:33

BIOCHEMISTRY

Test Name	Value	Unit	Biological Ref Interval
LIPID PROFILE			
TOTAL CHOLESTEROL **Method:- Enzymatic Endpoint Method**	**260.51** H	mg/dl	Desirable <200 Borderline 200-239 High> 240
TRIGLYCERIDES **Method:- GPO-PAP**	**211.01** H	mg/dl	Normal <150 Borderline high 150-199 High 200-499 Very high >500
DIRECT HDL CHOLESTEROL **Method:- Direct clearance Method**	38.81	mg/dl	Low < 40 High > 60
DIRECT LDL CHOLESTEROL **Method:- Direct clearance Method**	**186.53** H	mg/dl	Optimal <100 Near Optimal/above optimal 100-129 Borderline High 130-159 High 160-189 Very High > 190
VLDL CHOLESTEROL **Method:- Calculated**	42.20	mg/dl	0.00 - 80.00
T.CHOLESTEROL/HDL CHOLESTEROL RATIO **Method:- Calculated**	**6.71** H		0.00 - 4.90
LDL / HDL CHOLESTEROL RATIO **Method:- Calculated**	**4.81** H		0.00 - 3.50
TOTAL LIPID **Method:- CALCULATED**	819.81	mg/dl	400.00 - 1000.00

TOTAL CHOLESTEROL InstrumentName:Randox Rx Imola **Interpretation**: Cholesterol measurements are used in the diagnosis and treatments of lipid lipoprotein metabolism disorders

TRIGLYCERIDES InstrumentName:Randox Rx Imola **Interpretation** : Triglyceride measurements are used in the diagnosis and treatment of diseases involving lipid metabolism and various endocrine disorders e.g. diabetes mellitus, nephrosis and liver obstruction.

DIRECT HDLCHOLESTERO InstrumentName:Randox Rx Imola **Interpretation:** An inverse relationship between HDL-cholesterol (HDL-C) levels in serum and the incidence/prevalence of coronary heart disease (CHD) has been demonstrated in a number of epidemiological studies.Accurate measurement of HDL-C is of vital importance when assessing patient risk from CHD. Direct measurement gives improved accuracy and reproducibility when compared to precipitation methods.

DIRECT LDL-CHOLESTEROL InstrumentName:Randox Rx Imola **Interpretation:** Accurate measurement of LDL-Cholesterol is of vital importance in therapies which focus on lipid reduction to prevent atherosclerosis or reduce its progress and to avoid plaque rupture.

TOTAL LIPID AND VLDL ARE CALCULATED

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BIOCHEMISTRY

Test Name	Value	Unit	Biological Ref Interval
LIVER PROFILE WITH GGT			
SERUM BILIRUBIN (TOTAL) **Method:- Colorimetric method**	0.64	mg/dl	Up to - 1.0 Cord blood <2 Premature < 6 days <16 Full-term < 6 days= 12 1month - <12 months <2 1-19 years <1.5 Adult - Up to - 1.2 Ref-(ACCP 2020)
SERUM BILIRUBIN (DIRECT) **Method:- Colorimetric Method**	0.17	mg/dL	Adult - Up to 0.25 Newborn - <0.6 >- 1 month - <0.2
SERUM BILIRUBIN (INDIRECT) **Method:- Calculated**	0.47	mg/dl	0.30-0.70
SGOT **Method:- IFCC**	**38.8** H	U/L	Men- Up to - 37.0 Women - Up to - 31.0
SGPT **Method:- IFCC**	**67.8** H	U/L	Men- Up to - 40.0 Women - Up to - 31.0
SERUM ALKALINE PHOSPHATASE **Method:- AMP Buffer**	100.20	IU/L	30.00 - 120.00
SERUM GAMMA GT **Method:- IFCC**	**68.00** H	U/L	11.00 - 50.00
SERUM TOTAL PROTEIN **Method:- Biuret Reagent**	7.28	g/dl	6.40 - 8.30
SERUM ALBUMIN **Method:- Bromocresol Green**	4.58	g/dl	3.80 - 5.00
SERUM GLOBULIN **Method:- CALCULATION**	2.70	gm/dl	2.20 - 3.50
A/G RATIO	1.70		1.30 - 2.50

Total Bilirubin Methodology Colorimetric method InstrumentName Randox Rx Imola Interpretation An increase in bilirubin concentration in the serum occurs in toxic or infectious diseases of the liver e.g. hepatitis B or obstruction of the bile duct and in rhesus incompatible babies High levels of unconjugated bilirubin indicate that too much haemoglobin is being destroyed or that the liver is not actively treating the haemoglobin it is receiving.

AST Aspartate Aminotransferase Methodology IFCC **InstrumentName** Randox Rx Imola **Interpretation** Elevated levels of AST can signal myocardial infarction, hepatic disease, muscular dystrophy and organ damage. Although heart muscle is found to have the most activity of the enzyme, significant activity has also been seen in the brain, liver, gastric mucosa, adipose tissue and kidneys of humans.

ALT Alanine Aminotransferase Methodology IFCC**InstrumentName** Randox Rx Imola **Interpretation:** The enzyme ALT has been found to be in highest concentrations in the liver, with decreasing concentrations found in kidney, heart, skeletal muscle, pancreas, spleen and lung tissue respectively. Elevated levels of the transaminases can indicate myocardial infarction, hepatic disease, muscular dystrophy and organ damage.

Alkaline Phosphatase Methodology AMP Buffer InstrumentName Randox Rx Imola Interpretation Measurements of alkaline phosphatase are of use in the diagnosis, treatment and investigation of hepatobiliary disease and in bone disease associated with increased osteoblastic activity. Alkaline phosphatase is also used in the diagnosis of parathyroid and intestinal disease.

TOTAL PROTEIN Methodology Biuret Reagent **InstrumentName** Randox Rx Imola **Interpretation** : Measurements obtained by this method are used in the diagnosis and treatment of a variety of diseases involving the liver, kidney and bone marrow as well as other metabolic or nutritional disorders.

ALBUMIN (ALB) Methodology Bromocresol Green **InstrumentName** Randox Rx Imola **Interpretation:** Albumin measurements are used in the diagnosis and treatment of numerous diseases involving primarily the liver or kidneys. Globulin & A/G ratio is calculated.

Instrument Name Randox Rx Imola **Interpretation** Elevations in GGT levels occurs earlier and more pronounced than those with other liver enzymes in cases of obstructive jaundice and metastatic neoplasms. It may reach 5 to 10 times normal levels in intra or post-hepatic biliary obstruction. Only moderate elevations in the enzyme level (2 to 5 times normal)

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Sample Type :- PLAIN/SERUM | Sample Collected Time 28/01/2024 09:56:37 | Final Authentication : 28/01/2024 12:17:38

IMMUNOASSAY

Test Name	Value	Unit	Biological Ref Interval
TOTAL THYROID PROFILE			
SERUM TOTAL T3 **Method:- Chemiluminescence(Competitive immunoassay)**	1.280	ng/ml	0.970 - 1.690
SERUM TOTAL T4 **Method:- Chemiluminescence(Competitive immunoassay)**	7.540	ug/dl	5.530 - 11.000
SERUM TSH ULTRA **Method:- Enhanced Chemiluminescence Immunoassay**	1.900	µIU/mL	0.350 - 5.500

Interpretation: Triiodothyronine (T3) contributes to the maintenance of the euthyroid state.A decrease in T3 concentration of up to 50% occurs in a variety of clinical situations, including acute and chronic disease. Although T3 results alone cannot be used to diagnose hypothyroidism, T3 concentration may be more sensitive than thyroxine (T4) for hyperthyroidism. Consequently, the total T3 assay can be used in conjunction with other assays to aid in the differential diagnosis of thyroid disease.T3 concentrations may be altered in some conditions, such as pregnancy,that affect the capacity of the thyroid hormone-binding proteins. Under such conditions, Free T3 can provide the best estimate of the metabolically active hormone concentration.Alternatively, T3 uptake, or T4 uptake can be used with the total T3 result to calculate the free T3 index and estimate the concentration of free T3.

Interpretation :The measurement of Total T4 aids in the differential diagnosis of thyroid disease. While >99.9% of T4 is protein-bound, primarily to thyroxine-binding globulin (TBG), it is the free fraction that is biologically active. In most patients, the total T4 concentration is a good indicator of thyroid status. T4 concentrations may be altered in some conditions, such as pregnancy,that affect the capacity of the thyroid hormone-binding proteins. Under such conditions, free T4 can provide the best estimate of the metabolically active hormone concentration. Alternatively, T3 uptake may be used with the total T4 result to calculate the free T4 index (FT4I) and estimate the concentration of free T4.Some drugs and some nonthyroidal patient conditions are known to alter TT4 concentrations in vivo.

Interpretation :TSH stimulates the production of thyroxine (T4) and triiodothyronine (T3) by the thyroid gland. The diagnosis of overt hypothyroidism by the finding of a low total T4 or free T4 concentration is readily confirmed by a raised TSH concentration. Measurement of low or undetectable TSH concentrations may assist the diagnosis of hyperthyroidism, where concentrations of T4 and T3 are elevated and TSH secretion is suppressed. These have the advantage of discriminating between the concentrations of TSH observed in thyrotoxicosis, compared with the low, but detectable, concentrations that occur in subclinical hyperthyroidism. The performance of this assay has not been established for neonatal specimens. Some drugs and some nonthyroidal patient conditions are known to alter TSH concentrations in vivo.

INTERPRETATION

PREGNANCY	REFERENCE RANGE FOR TSH IN uIU/mL (As per American Thyroid Association)
1st Trimester	0.10-2.50
2nd Trimester	0.20-3.00
3rd Trimester	0.30-3.00

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Sex / Age :- Male 44 Yrs 2 Mon 5 Days
Company :- Medi/Wheel

Patient ID :-12235488
Ref. By Dr:- BOB
Lab/Hosp :-

Sample Type :- URINE | Sample Colected Time28/01/2024 09:56:37 | Final Authentication : 28/01/2024 11:10:06

CLINICAL PATHOLOGY

Test Name	Value	Unit	Biological Ref Interval
Urine Routine			
PHYSICAL EXAMINATION			
COLOUR	PALE YELLOW		PALE YELLOW
APPEARANCE	Clear		Clear
CHEMICAL EXAMINATION			
REACTION(PH) **Method:- Reagent Strip(Double indicatior blue reaction)**	6.0		5.0 - 7.5
SPECIFIC GRAVITY **Method:- Reagent Strip(bromthymol blue)**	1.025		1.010 - 1.030
PROTEIN **Method:- Reagent Strip (Sulphosalicylic acid test)**	NIL		NIL
GLUCOSE **Method:- Reagent Strip (Glu.Oxidase Peroxidase Benedict)**	NIL		NIL
BILIRUBIN **Method:- Reagent Strip (Azo-coupling reaction)**	NEGATIVE		NEGATIVE
UROBILINOGEN **Method:- Reagent Strip (Modified ehrlich reaction)**	NORMAL		NORMAL
KETONES **Method:- Reagent Strip (Sodium Nitroprusside) Rothera's**	NEGATIVE		NEGATIVE
NITRITE **Method:- Reagent Strip (Diazotization reaction)**	NEGATIVE		NEGATIVE
RBC **Method:- Reagent Strip (Peroxidase like activity)**	NIL		NIL
MICROSCOPY EXAMINATION			
RBC/HPF	NIL	/HPF	NIL
WBC/HPF	2-3	/HPF	2-3
EPITHELIAL CELLS	2-3	/HPF	2-3
CRYSTALS/HPF	ABSENT		ABSENT
CAST/HPF	ABSENT		ABSENT
AMORPHOUS SEDIMENT	ABSENT		ABSENT
BACTERIAL FLORA	ABSENT		ABSENT
YEAST CELL	ABSENT		ABSENT
OTHER	ABSENT		

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Ref. By Dr:- BOB
Lab/Hosp :-

Sample Type :- KOx/Na FLUORIDE-F, KOx/Na [illegible] 28/01/2024 13:57:26 Final Authentication : 28/01/2024 14:32:44

BIOCHEMISTRY

Test Name	Value	Unit	Biological Ref Interval
FASTING BLOOD SUGAR (Plasma) **Method:- GOD PAP**	114.2	mg/dl	75.0 - 115.0

Impaired glucose tolerance (IGT)	111 - 125 mg/dL
Diabetes Mellitus (DM)	> 126 mg/dL

Instrument Name: Randox Rx Imola **Interpretation:** Elevated glucose levels (hyperglycemia) may occur with diabetes, pancreatic neoplasm, hyperthyroidism and adrenal cortical hyper-function as well as other disorders.Decreased glucose levels(hypoglycemia) may result from excessive insulin therapy or various liver diseases .

BLOOD SUGAR PP (Plasma) **Method:- GOD PAP**	119.4	mg/dl	70.0 - 140.0

Instrument Name: Randox Rx Imola **Interpretation:** Elevated glucose levels (hyperglycemia) may occur with diabetes, pancreatic neoplasm, hyperthyroidism and adrenal cortical hyper-function as well as other disorders.Decreased glucose levels(hypoglycemia) may result from excessive insulin therapy or various liver diseases .

SERUM CREATININE **Method:- Colorimetric Method**	1.05	mg/dl	Men - 0.6-1.30 Women - 0.5-1.20
SERUM URIC ACID **Method:- Enzymatic colorimetric**	**7.38** H	mg/dl	Men - 3.4-7.0 Women - 2.4-5.7

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Sample Type :- EDTA, URINE, URINE-PP Sample Collected Time 28/01/2024 09:56:37 Final Authentication : 28/01/2024 15:23:59

HAEMATOLOGY

Test Name	Value	Unit	Biological Ref Interval
BLOOD GROUP ABO	"B" POSITIVE		

BLOOD GROUP ABO Methodology : Haemagglutination reaction **Kit Name :** Monoclonal agglutinating antibodies **(Span clone)**

URINE SUGAR (FASTING) **Collected Sample Received**	Nil		Nil
URINE SUGAR PP **Collected Sample Received**	Nil		Nil

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BIOCHEMISTRY

Test Name	Value	Unit	Biological Ref Interval
BLOOD UREA NITROGEN (BUN)	9.6	mg/dl	0.0 - 23.0

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IMMUNOASSAY

Test Name	Value	Unit	Biological Ref Interval
TOTAL PSA **Method:- Chemiluminescence**	0.950	ng/ml	0.000 - 4.000

InstrumentName: ADVIA CENTAUR CP **Interpretation** : Elevated serum PSA concentrations are found in men with prostate cancer, benign prostatic hypertrophy (BHP) or inflammatory conditions of other adjacent genitourinary tissues, but not in apparently healthy men or in men with cancers other than prostate cancer.PSA has been demonstrated to be an accurate marker for monitoring advancing clinical stage in untreated patients and for monitoring response to therapy by radical prostatectomy, radiation therapy and anti-androgen therapy. PSA is also important in determining the potential and actual effectiveness of surgery or other therapies.Progressive disease is defined by an increase of at least 25%. Sampling should be repeated within two to four weeks for additional evidence.Different assay methods cannot be used interchangeably.

****** End of Report ******

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Final Authentication : 28/01/2024 14:27:31

BOB PACKAGE ABOVE 40MALE

X RAY CHEST PA VIEW:

Bilateral mild apical pleural thickening is seen.

Left hilar shadow is prominent.

Rest of lung fields appears clear.

Trachea is in midline.

Right hilar shadow is normal.

Both the C.P.angles is clear.

Both the domes of diaphragm are normally placed.

Bony cage and soft tissue shadows are normal.

Heart shadows appear normal.

(Please correlate clinically and with relevant further investigations)

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*** End of Report ***

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BOB PACKAGE ABOVE 40MALE

USG WHOLE ABDOMEN

Liver is of normal size. **Echo-texture is bright with focal fatty sparing.** No focal space occupying lesion is seen within liver parenchyma. Intra hepatic biliary channels are not dilated. Portal vein diameter is normal.

Gall bladder is of normal size. Wall is not thickened. No calculus or mass lesion is seen in gall bladder. Common bile duct is not dilated.

Pancreas is of normal size and contour. Echo-pattern is normal. No focal lesion is seen within pancreas.

Spleen is of normal size and shape. Echotexture is normal. No focal lesion is seen.

Kidneys are normally sited and are of normal size and shape. Cortico-medullary echoes are normal. No focal lesion is seen. Collecting system does not show any dilatation on left side.
There is mild dilatation of left pelvicalyceal system. Rest of the ureter could not visualised due to bowel gases.

Urinary bladder is well distended and showing smooth wall with normal thickness. Urinary bladder does not show any calculus or mass lesion.
Pre void:- 250 ml Post void:-33 ml (insignificant).

Prostate is normal in size with normal echo-texture and outline.
No enlarged nodes are visualised. No retro-peritoneal lesion is identified
No significant free fluid is seen in peritoneal cavity.

IMPRESSION:
*** Grade I fatty liver.**
*** Left sided mild hydronephrosis. (Adv. X- Ray KUB/ CT KUB)**

Needs clinical correlation.

*** End of Report ***

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