



ZENA
Healthcare Services
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Professional Accuracy Precision

Regd. No. : 1834

ZENA HEALTHCARE SERVICES

(A Unit of Zena Enterprises)

Patient Name : MR. DEVNANDAN BEHERA

Age / Gender : 38 years / Male

Patient ID : 19417

Referral : MEDI WHEEL

Collection Time : 23/12/2023, 11:45 AM

Reporting Time : 23/12/2023, 04:44 PM

Sample ID :



22303

Test Description	Value(s)	Reference Range	Unit
Complete Blood Count			
Hemoglobin (Hb)	14.2	13.5 - 18.0	gm/dL
Erythrocyte (RBC) Count	5.17	4.7 - 6.0	mil/cu.mm
Packed Cell Volume (PCV)	44.2	42 - 52	%
Mean Cell Volume (MCV)	85.49	78 - 100	fL
Mean Cell Haemoglobin (MCH)	27.47	27 - 31	pg
Mean Corpuscular Hb Conc. (MCHC)	32.13	32 - 36	g/dL
Red Cell Distribution Width (RDW)	13.8	11.5 - 14.0	%
Total Leucocytes (WBC) Count	6100	4000-10000	cell/cu.mm
Neutrophils	68	40 - 80	%
Lymphocytes	26	20 - 40	%
Monocytes	04	2 - 10	%
Eosinophils	02	1 - 6	%
Basophils	00	1-2	%
Platelet Count	284	150 - 450	10^3 /ul
Mean Platelet Volume (MPV)	11.6	7.2 - 11.7	fL
PCT	0.33	0.2 - 0.5	%
PDW	16.7	9.0 - 17.0	%

****END OF REPORT****

Lab technician

M. Sahoo
Dr. Kundan Kumar Sahoo
CONSULTANT PATHOLOGIST /
MICROBIOLOGIST

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Zena Healthcare Services

Plot No. 119, Opp. Water tank Lane, Near Police Phandi, Saheed Nagar, Bhubaneswar-07
Ph. : 0674-2549902, 9692276908, 8337964922, E-mail : zenahealthcare@gmail.com

Wishing Good Health



EYE REPORT

NAME : Mr. DEVNANDAN BEHERA

DATE : 23.12.2023

AGE : 38 YRS

SEX : MALE

WITHOUT GLASSES

	RT EYE	LT EYE
COLOUR	NORMAL	NORMAL
NEAR	6/6	6/6
FAR	6/6	6/6

Dr. M. K. HOTA
M.B.B.S.
REGD. No. 699
SIGNATURE

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779 / DEVNANDAN BEHERA / 38 Yrs / M / 172 Cms / 75 Kg Date: 23-Dec-2023 Refd By : MEDI-WHEEL Examined By:

Stage	Time	Duration	Speed(mph)	Elevation	METs	Rate	%THR	BP	RPP	PVC	Comments
Supine	00:20	0:20	00.0	00.0	01.0	100	55 %	113/73	113	00	
Standing	00:37	0:17	00.0	00.0	01.0	097	53 %	113/73	109	00	
HV	00:55	0:18	00.0	00.0	01.0	099	54 %	113/73	111	00	
ExStart	01:11	0:16	00.0	00.0	01.0	112	52 %	113/73	126	00	
BRUCE Stage 1	04:11	3:00	01.7	10.0	04.7	142	76 %	113/74	160	00	
BRUCE Stage 2	07:11	3:00	02.5	12.0	07.1	166	91 %	115/75	190	00	
PeakEx	09:11	2:00	03.4	14.0	09.2	181	99 %	115/76	208	00	
Recovery	09:41	0:30	01.1	00.0	04.2	182	100 %	115/76	209	00	
Recovery	10:11	1:00	01.1	00.0	01.2	170	93 %	115/75	195	00	
Recovery	12:11	3:00	00.0	00.0	01.0	141	77 %	114/74	160	00	
Recovery	14:19	5:08	00.0	00.0	01.0	129	71 %	113/73	145	00	

FINDINGS :

- Exercise Time : 08:00
- Max HR Attained : 182 bpm, 100% of Target 182
- Max BP Attained : 115/76
- Max WorkLoad Attained : 9.2 Good response to induced stress
- Test End Reasons : Test Complete

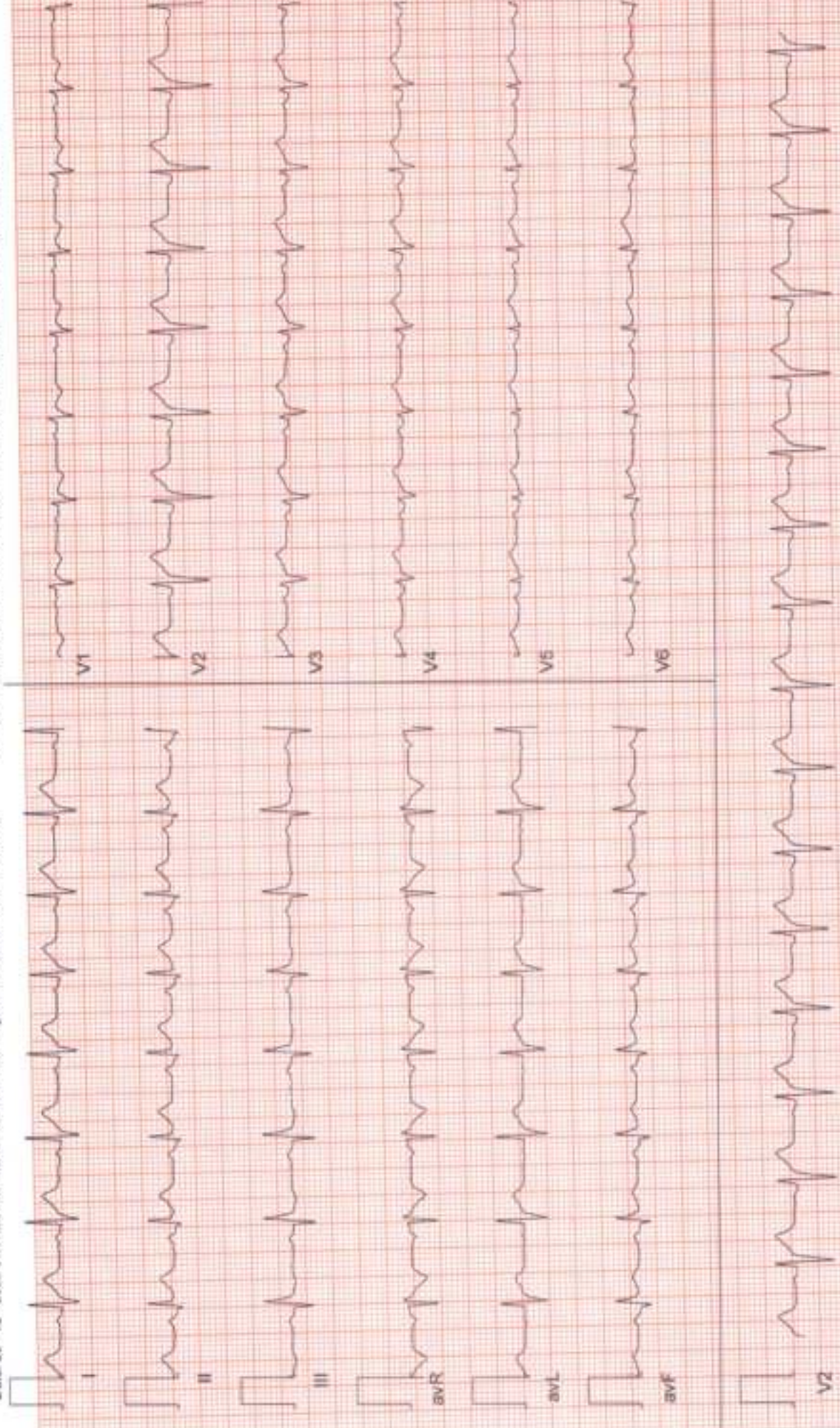
REPORT :

TMT is Negative

Dr. M. MOYTA
M.B.B.S.
REGD No. 699



Date: 23 - 12 - 2023 01:11:22 PM METs : 1.0 HR : 100 Target HR : 55% of 162 BP : 113/73 ExTime : 00:00 0.0 mph 0.0 % 2.5 mm/Sec. 1.0 Cm/mV BLC On/ HF 0.05 Hz A.F 35 Hz





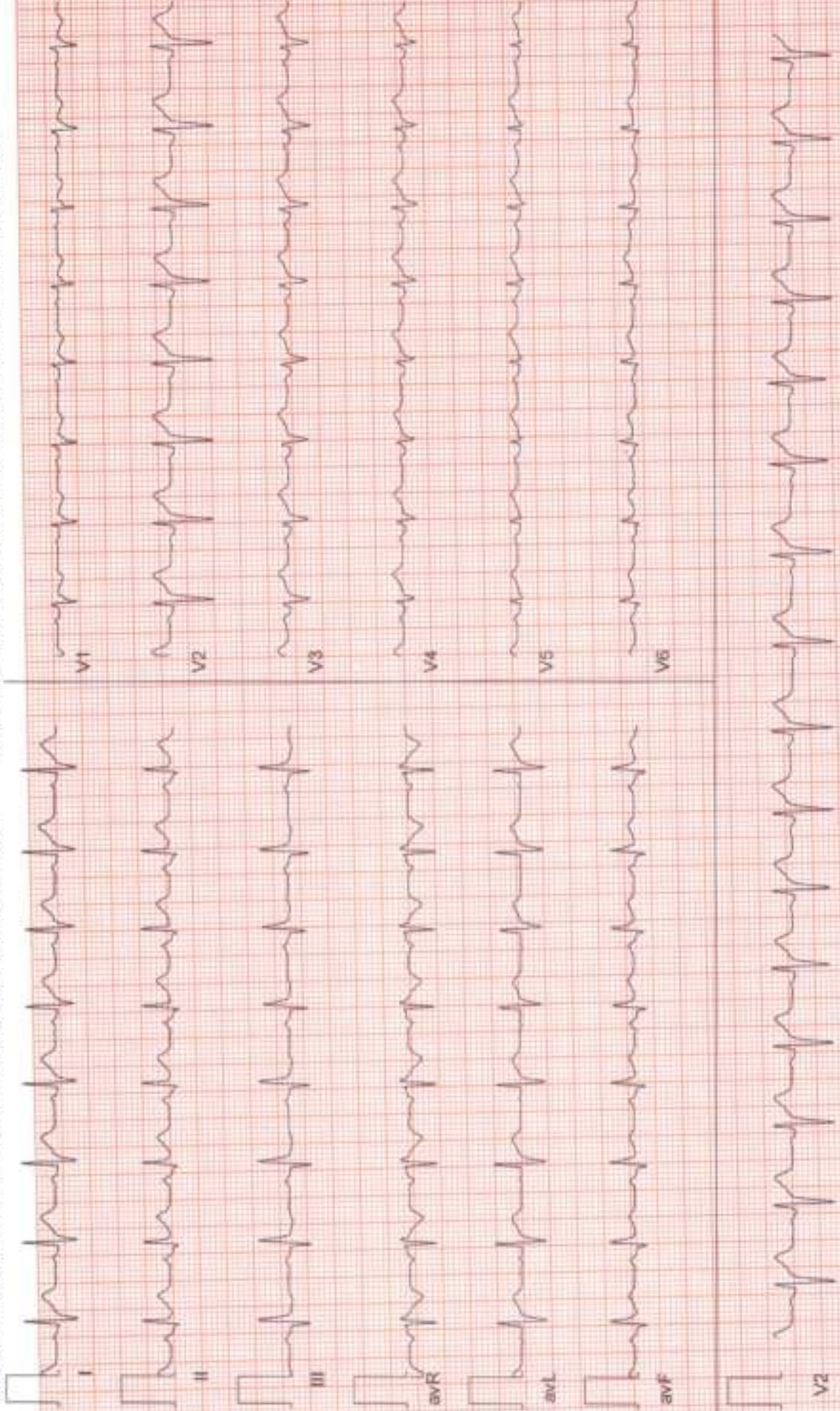
Date: 23 - 12 - 2023 01:11:22 PM METs : 1.0 HR : 97 Target HR : 53% of 182 BP : 113/73 Ex Time : 00:00 0.0 mph/0.0 % 25 mm/Sec. 1.0 Cm/mV ELC On/ Notch On/HF 0.05 Hz/LF 35 Hz





Date: 23-12-2023 01:11:22 PM METs : 1.0 HR : 99 Target HR : 54% of 182 BP : 113/73

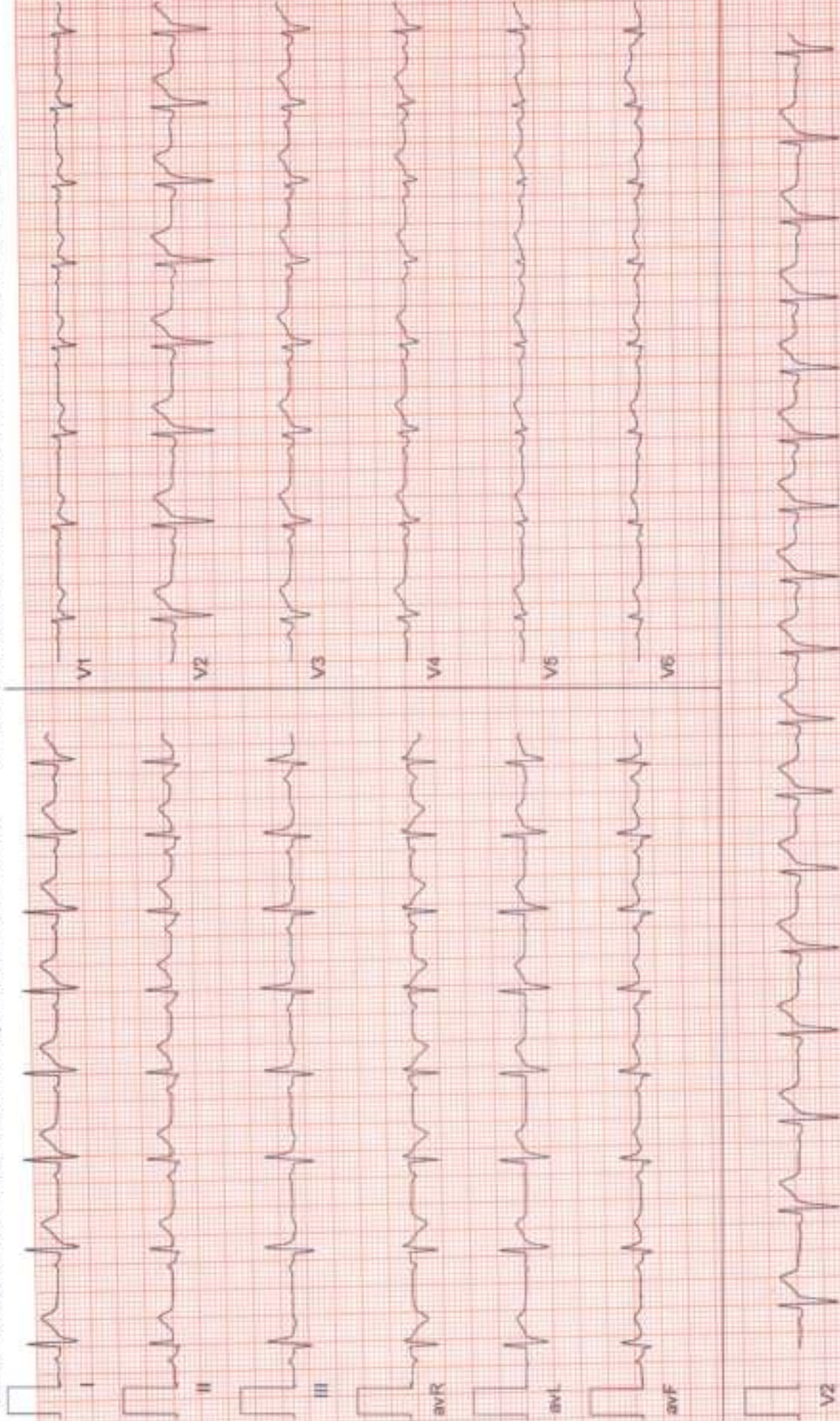
Ex Time : 00:00 0.0 mV/0.0 % 25 mm/Sec. 1.0 Cm/mV BLC On/ HF 0.05 Hz/ LF 35 Hz





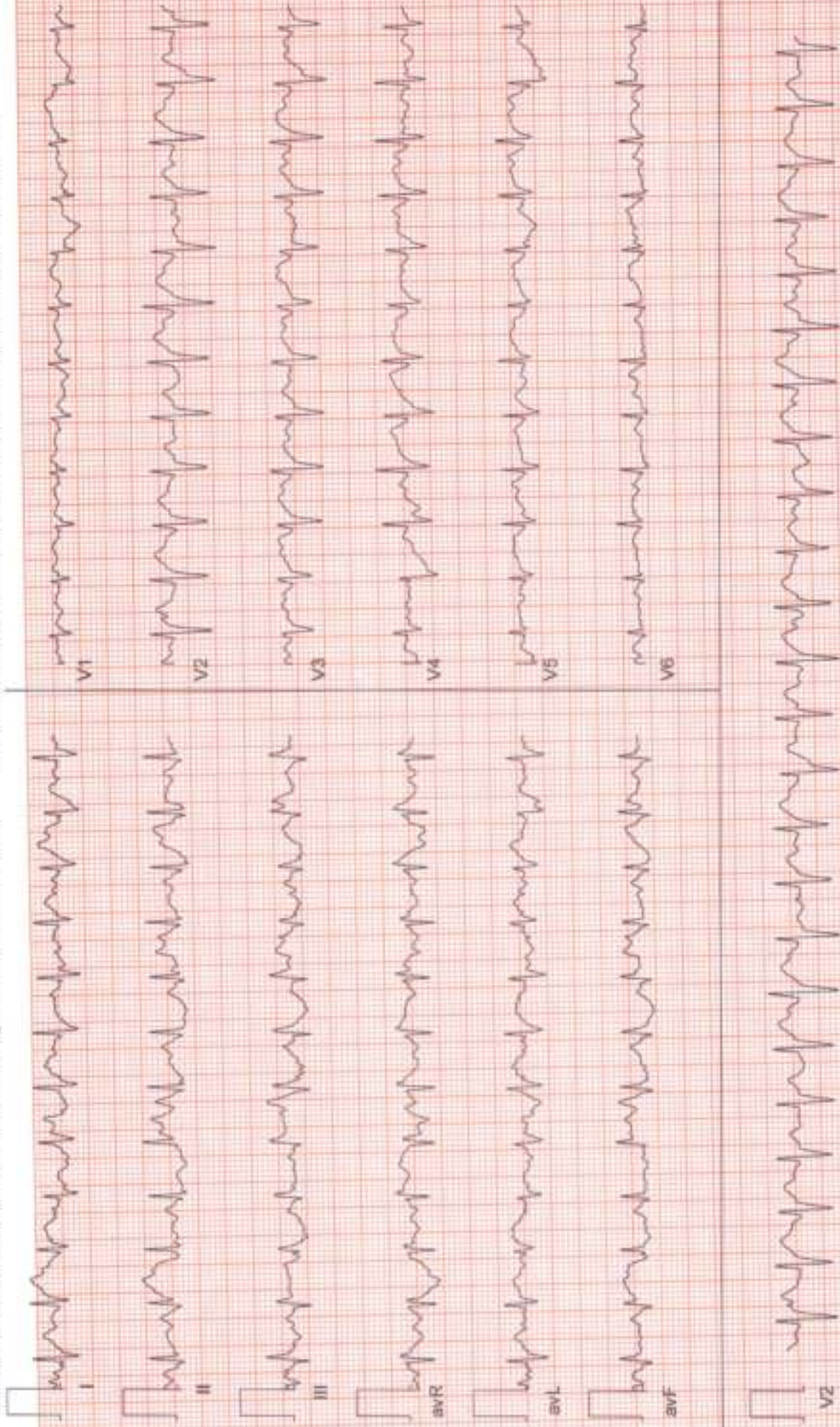
Date: 23-12-2023 01:11:22 PM METs: 1.0 HR: 112 Target HR: 62% of 162 BP: 113/73

ExTime: 00:00 0.0 mph/0.0 % 25 mm/Sec. 1.0 Cm/mV BLC On/ Match Cvl HF 0.05 Hz/AF 35 Hz





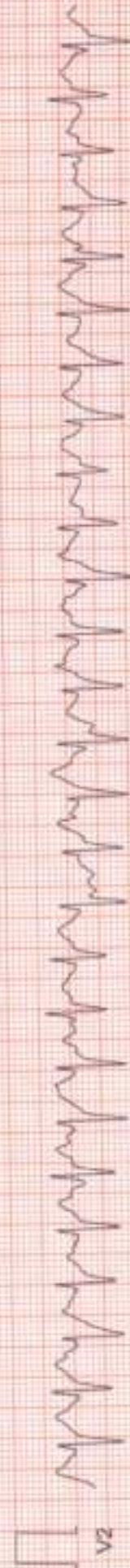
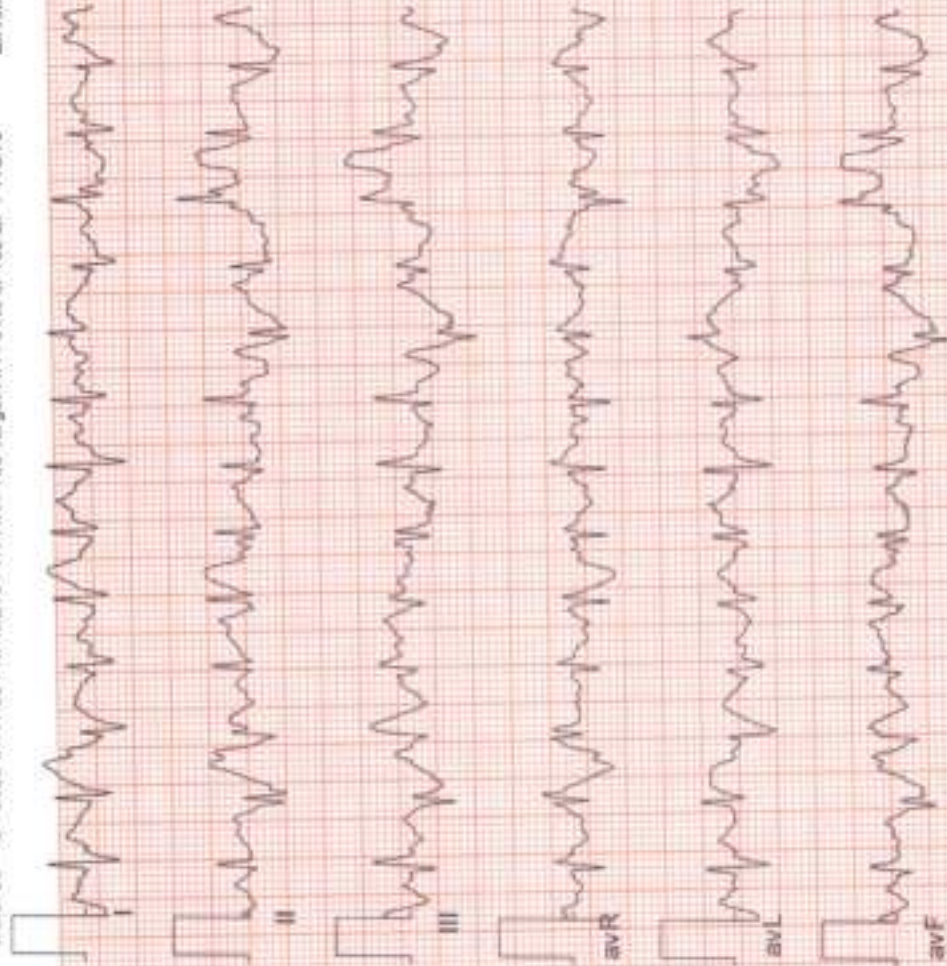
Date: 23 - 12 - 2023 01:11:22 PM METs : 4.7 HR : 142 Target HR : 75% of 183 BP : 113/74 Ex Time : 03:00 1.7 mph 10.0 % 25 mm/Sec. 1.0 Cm/mV ELC On/ Notch On/ HF 0.05 Hz & LF 35 Hz





Date: 23-12-2023 01:11:22 PM METs : 7.1 HR : 166 Target HR : 91% of 162 BP : 115/75

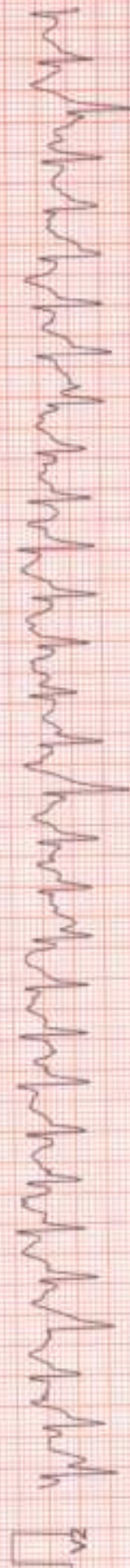
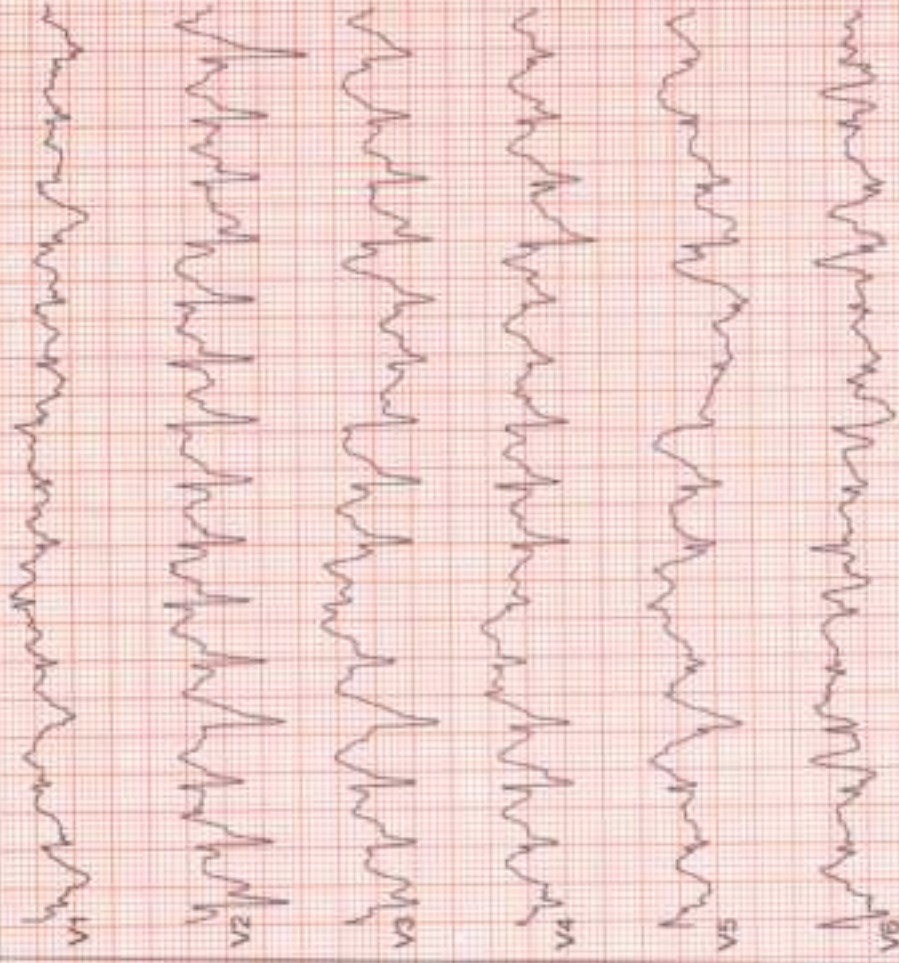
Ex Time : 06:00 2.5 mph 12.0 % 25 mm/Sec. 1.0 Cm/mV BLC On/ Match On/ HF 0.05 Hz & LF 35 Hz





Date: 23 - 12 - 2023 01:11:22 PM METs : 9.2 HR : 161 Target HR : 95% of 162 BP : 115/76

ExTime : 08:00 3.4 mph 14.0 % 25 mm/Sec. 1.0 Cm/mV ELC On/ Notch On/ HF 0.05 Hz/LF 35 Hz

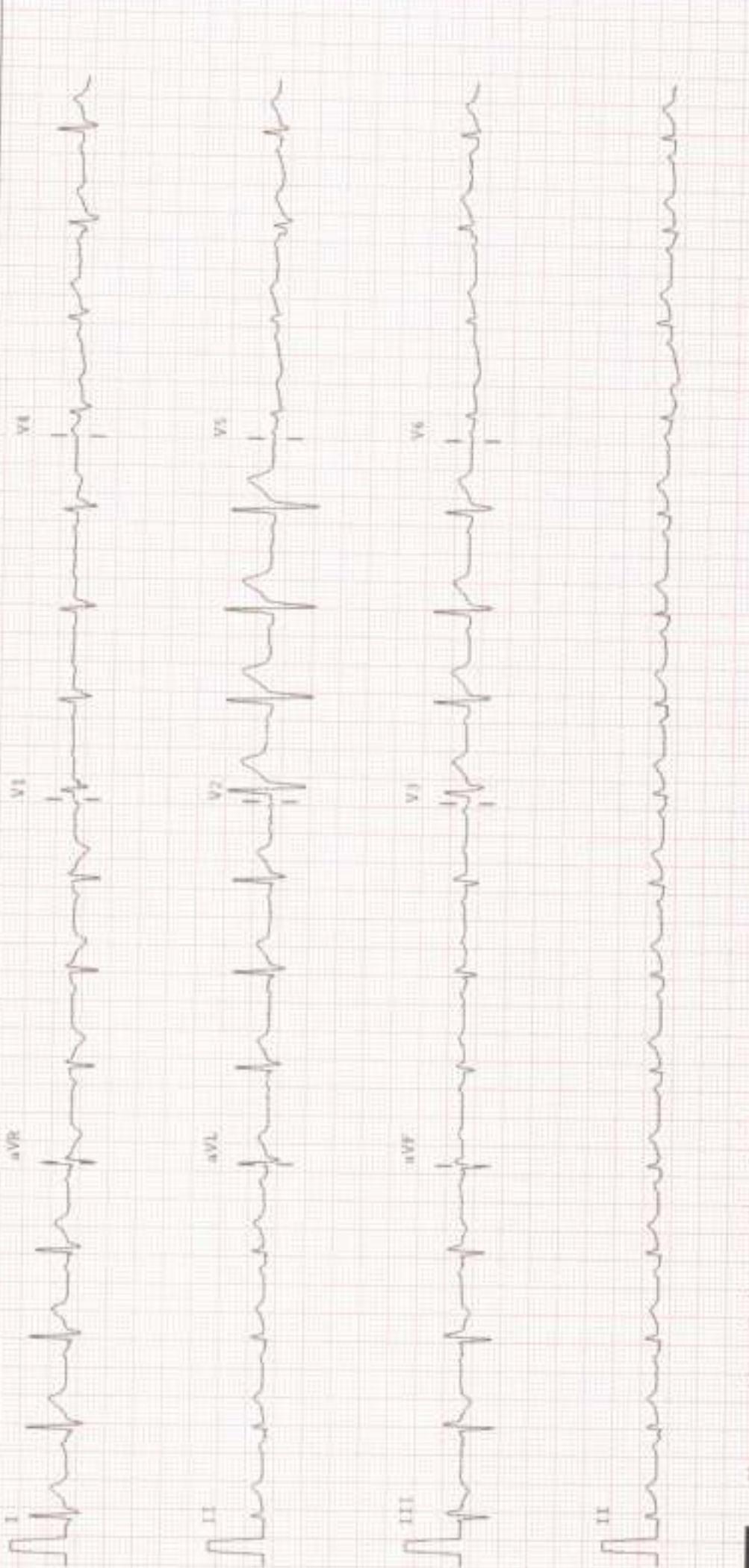


ID 1372 CASE DEVNANDAN BEHERA 23/12/2023 12 34 54
 AGE 38Y M D MALE ZENA HEALTHCARE
 Cms KG PLOT-119.SAHIDNAGAR.BHUBANESWAR

RATE 92 bpm SINUS RHYTHM
 P-R 619 ms POSSIBLE ANTERIOR INFARCT - AGE UNDETERMINED
 P-R 116 ms
 QRS 90 ms
 QT 310 ms
 QTc 374 ms

--AXIS--
 P 54°
 QRS 66°
 T 12°
 ABNORMAL ECG

12 SL. REPORT FORMAT 3x4+11.20 REF Dr.





Date: 23 - 12 - 2023 01:11:22 PM METs : 4.2 HR : 162 Target HR : 100% of 162 BP : 115/76

ExTime : 08:00 1.1 mph 0.0 % 25 mm/Sec. 1.0 Cm/mV BLC On/ Natch On/ HF 0.00 Hz/ LF 35 Hz



ZENA HEALTHCARE

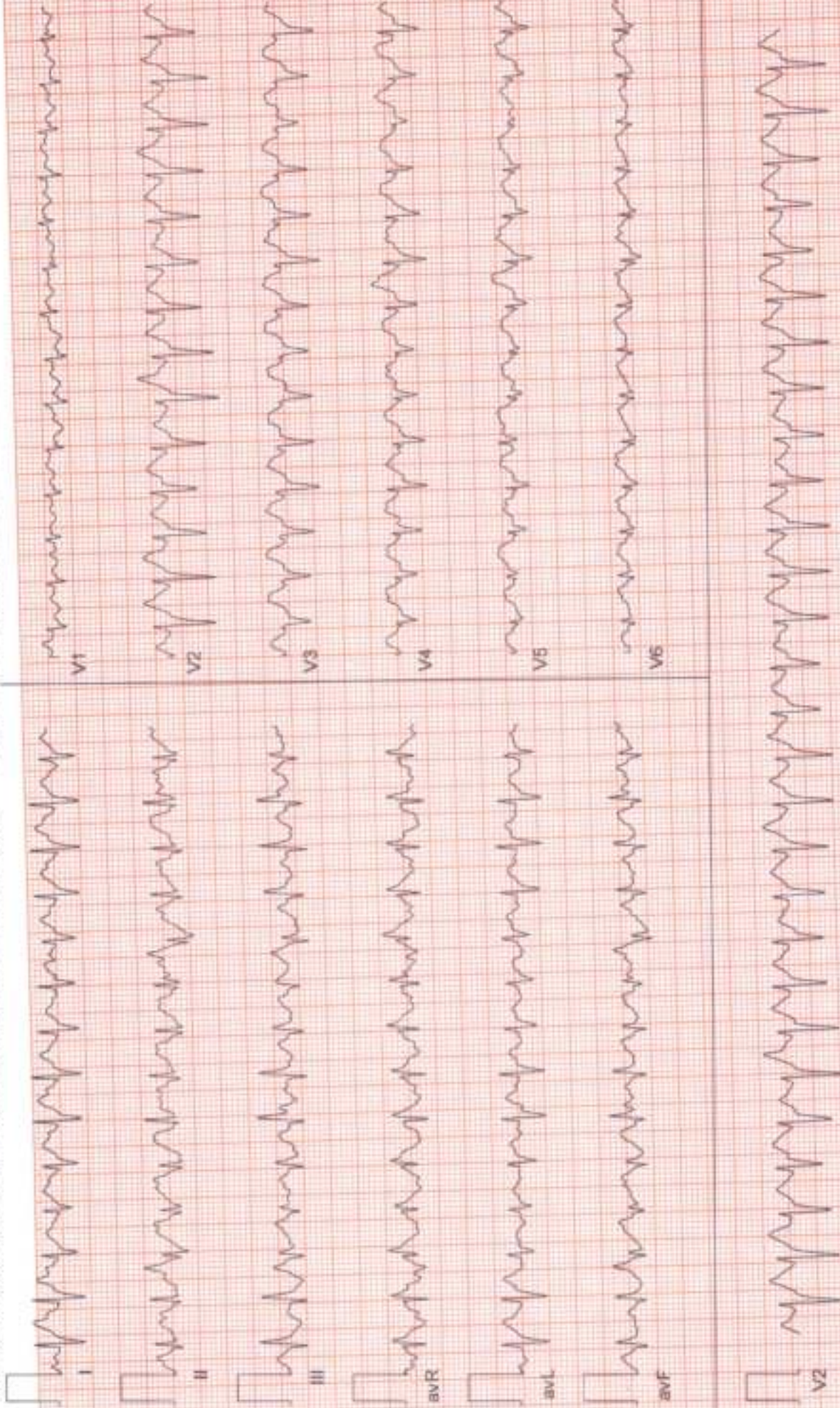
SAHIDNAGAR, BHUBANESWAR

779 / DEVNANDAN BEHERA / 38 Yrs / Male / 172 Cm / 75 Kg

6 x 2 + Rhythm
Recovery(1:00)



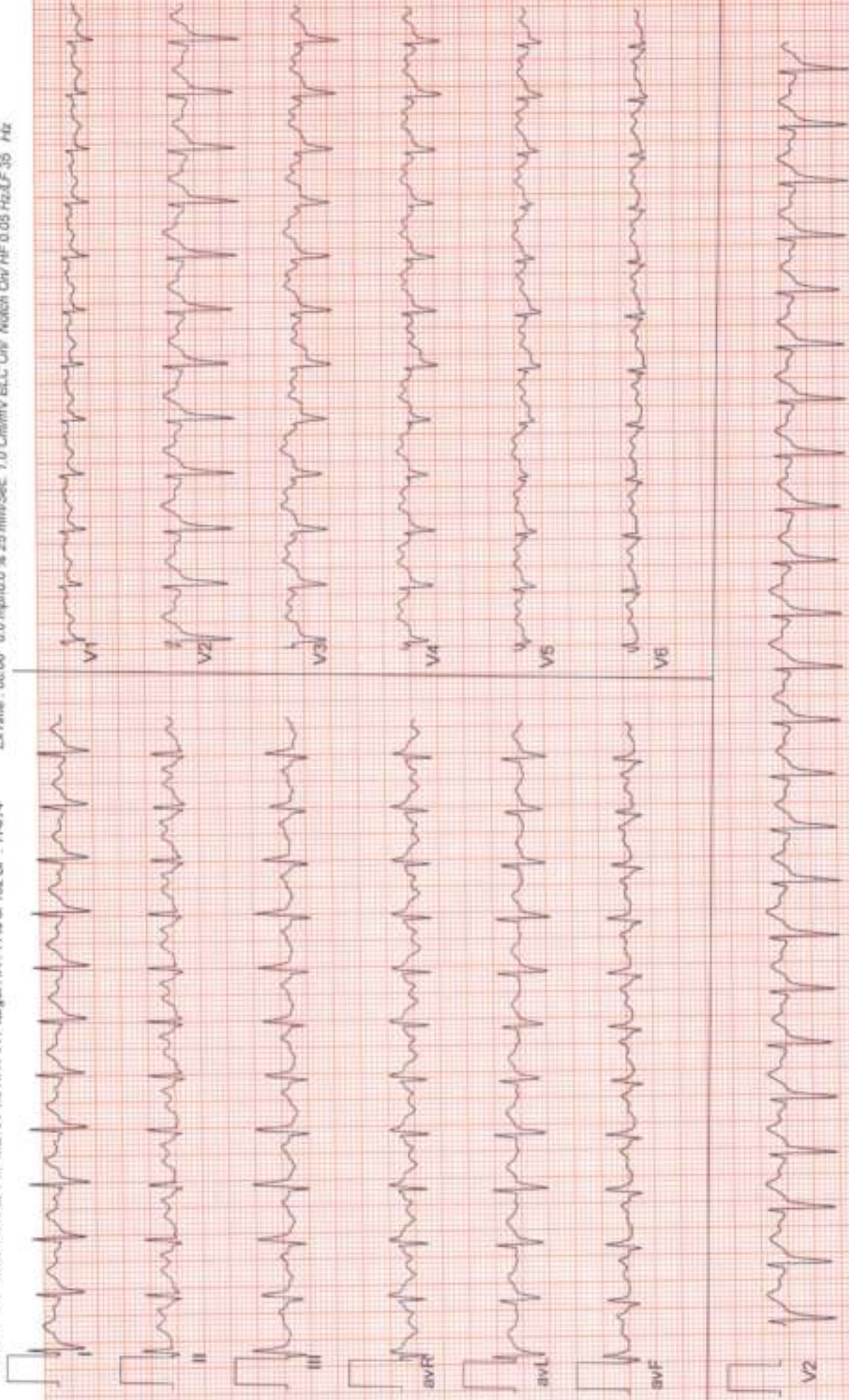
Date: 23 - 12 - 2023 01:11:23 PM METs : 1.2 HR : 170 Target HR : 93% of 182 BP : 115/75 Ex Time : 08:00 1.1 mph 0.0 % 25 mm/Sec. 1.0 Cm/mV BLC On/ Notch On/ MF 0.05 Hz/LF 35 Hz





Date: 23 - 12 - 2023 01:11:22 PM METs : 1.0 HR : 141 Target HR : 77% of 182 BP : 114/74

ExTime : 08:00 0.0 mph 0.0 % 25 mm/Sec. 1.0 Cm/mV ELC Chf Notch Chf HF 0.05 Hz LF 35 Hz

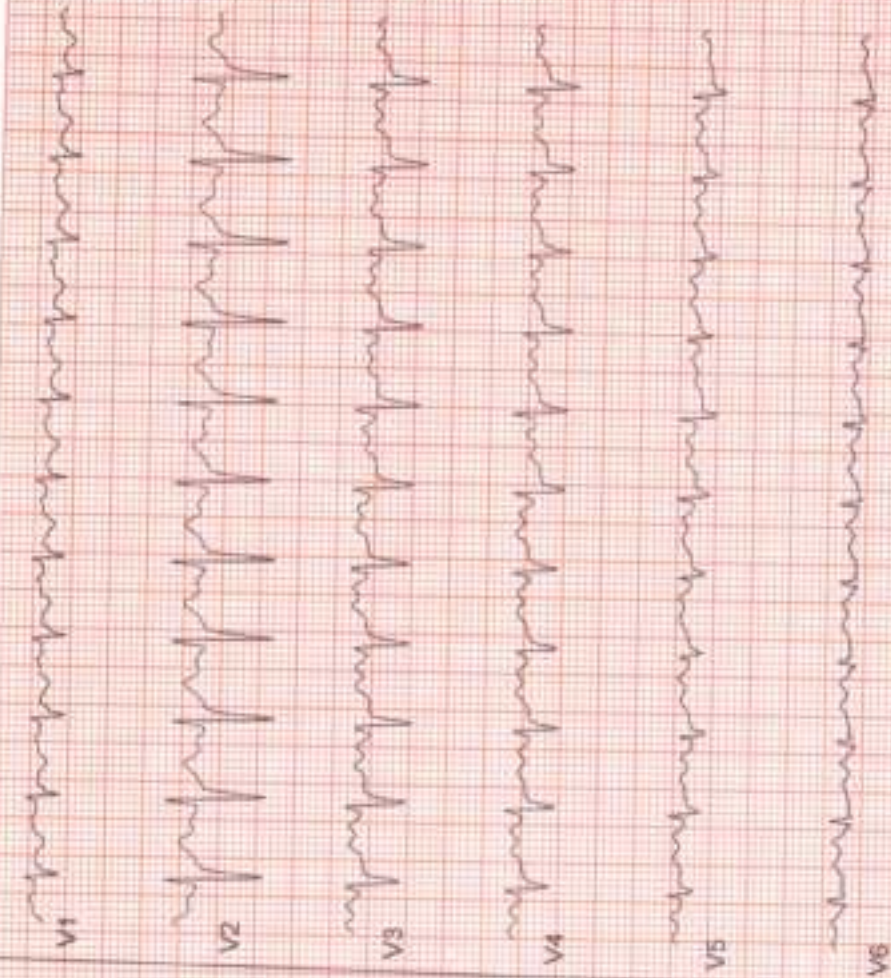


6 x 2 + Rhythm Recovery(5:08)



Date: 23-12-2023 01:11:22 PM METs : 1.0 HR : 129 Target HR : 71% of 182 BP : 113/73

Ex Time : 08:00 0.0 mph/0.0 % 25 min/Sec. 1.0 Cm/mV BLC On/ Notch On/ HF 0.05 Hz/LF 3S Hz





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Sample ID :



Test Description	Value(s)	Reference Range	Unit
<u>Creatinine</u>			
Creatinine Method : Serum, Jaffe	0.86	0.60 - 1.30	mg/dL
<u>Uric acid, Serum</u>			
Uric Acid Method : Uricase, Colorimetric	5.21	3.4 - 7.0	mg/dL
<u>Blood Group ABO & Rh Typing, Blood</u>			
Blood Group (ABO typing) Method : Manual-Hemagglutination	"B"		
RhD Factor (Rh Typing) Method : Manual hemagglutination	Positive		
<u>BUN, Serum</u>			
BUN-Blood Urea Nitroge Method : Serum, Urease	13	10 - 50	mg/dL

END OF REPORT

Lab technician

W. Sahoo
Dr. Kundan Kumar Sahoo
CONSULTANT PATHOLOGIST /
MICROBIOLOGIST

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Wishing Good Health



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22303

Test Description	Value(s)	Reference Range	Unit
Glucose, Random (RBS)			
Glucose Random Method : Hexokinase	102.75	70.00 - 140.00	mg/dL
HbA1c, Glycosylated Hemoglobin			
HbA1c (GLYCOSYLATED HEMOGLOBIN), BLOOD Method : (HPLC, NGSP certified)	5.38		%
Estimated Average Glucose :	107.71	-	mg/dL

Interpretation

As per American Diabetes Association (ADA)	
Reference Group	HbA1c in %
Non diabetic adults >=18 years	<5.7
At risk (Prediabetes)	5.7 - 6.4
Diagnosing Diabetes	>= 6.5
Therapeutic goals for glycemic control	Age > 19 years Goal of therapy: < 7.0 Action suggested: > 8.0 Age < 19 years Goal of therapy: <7.5

- Note:**
1. Since HbA1c reflects long term fluctuations in the blood glucose concentration, a diabetic patient who is recently under good control may still have a high concentration of HbA1c. Converse is true for a diabetic previously under good control but now poorly controlled .
 2. Target goals of < 7.0 % may be beneficial in patients with short duration of diabetes, long life expectancy and no significant cardiovascular disease. In patients with significant complications of diabetes, limited life expectancy or extensive co-morbid conditions, targeting a goal of < 7.0 % may not be appropriate.

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.

ADA criteria for correlation between HbA1c & Mean plasma glucose levels.

HbA1c(%)	Mean Plasma Glucose (mg/dL)
6	126

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Sample ID :



Test Description	Value(s)	Reference Range	Unit
7	154		
8	183		
9	212		
10	240		
11	269		
12	298		

ESR, Erythrocyte Sedimentation Rate

ESR - Erythrocyte Sedimentation Rate

12

0 - 15

mm/hr

Method : EDTA Whole Blood, Manual Westergren

Interpretation:

- It indicates presence and intensity of an inflammatory process. It does not diagnose a specific disease. Changes in the ESR are more significant than the abnormal results of a single test.
- It is a prognostic test and used to monitor the course or response to treatment of diseases like tuberculosis, bacterial endocarditis, acute rheumatic fever, rheumatoid arthritis, SLE, Hodgkins disease, temporal arteritis and polymyalgia rheumatica.
- It is also increased in pregnancy, multiple myeloma, menstruation, and hypothyroidism.

****END OF REPORT****

Lab technician

Moh
Dr. Kundan Kumar Sahoo
CONSULTANT PATHOLOGIST /
MICROBIOLOGIST

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22303

Test Description	Value(s)	Reference Range	Unit
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Urine(R/M) Routine Examination of Urine

General Examination

Colour	PALE YELLOW	Pale Yellow	
Transparency (Appearance)	CLEAR	Clear	
Deposit	Absent	Absent	
Reaction (pH)	Acidic 5.5	4.5 - 7.0	
Specific gravity	1.015	1.005 - 1.030	

Chemical Examination

Urine Protein (Albumin)	Absent	Absent	
Urine Glucose (Sugar)	Absent	Absent	

Microscopic Examination

Red blood cells	Absent	0-4	
Pus cells (WBCs)	1 - 2 /HPF	0-9	/hpf
Epithelial cells	2 - 3 /HPF	0-4	/hpf
Crystals	Absent	Absent	/hpf
Cast	Absent	Absent	
Bacteria	Absent	Absent	

END OF REPORT

Lab technician

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Sample ID :



Test Description	Value(s)	Reference Range	Unit
------------------	----------	-----------------	------

Thyroid Profile (T3, T4, TSH)

T3-Total Method : CLIA	1.46	0.87 - 2.73	ng/dL
T4-Total Method : CLIA	9.17	6.09 - 12.23	ug/dL
TSH-Ultrasensitive Method : CLIA	2.38	0.45 - 4.50	uIU/mL

Interpretation

TSH	T3	T4	Suggested Interpretation for the Thyroid Function Tests Pattern
Raised	Within range	Within range	Raised Within Range Within Range .Isolated High TSH especially in the range of 4.7 to 15 mIU/mL is commonly associated with Physiological & Biological TSH Variability. Subclinical Autoimmune Hypothyroidism. Interimittent T4 therapy for hypothyroidism .Recovery phase after Non-Thyroidal illness*
Raised	Decreased	Decreased	Chronic Autoimmune Thyroiditis Post thyroidectomy, Post radioiodine Hypothyroid phase of transient thyroiditis*
Raised or within range	Raised	Raised or within range	Interfering antibodies to thyroid hormones (anti-TPO antibodies)interimittent T4 therapy or T4 overdose •Drug interference- Amiodarone, Heparin, Beta blockers, steroids, anti-epileptics.
Decreased	Raised or within range	Raised or within range	Isolated Low TSH -especially in the range of 0.1 to 0.4 often seen in elderly & Range Range associated with Non-Thyroidal illness .Subclinical Hyperthyroidism .Thyrotoxic ingestion*
Decreased	Decreased	Decreased	Central Hypothyroidism .Non-Thyroidal illness .Recent treatment for Hyperthyroidism (TSH remains suppressed)*
Decreased	Raised	Raised	Primary Hyperthyroidism (Graves' disease), Multinodular goitre, Toxic nodule •Transient thyroiditis-Postpartum, Silent (lymphocytic), Postviral (granulomatous, subacute, DeQuervain's), Gestational thyrotoxicosis with hyperemesis gravidarum*
Decreased Within Rang	Raised	Within range	T3 toxicosis •Non-Thyroidal illness
Within range	Decreased	Within range	Isolated Low T3-often seen in elderly & associated Non-Thyroidal illness In elderly the drop in T3 level can be upto 25%.

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Sample ID :



22303

Test Description	Value(s)	Reference Range	Unit
Lipid Profile			
Cholesterol-Total Method : Spectrophotometry	182.71	Desirable level < 200 Borderline High 200-239 High >or = 240	mg/dL
Triglycerides Method : Serum, Enzymatic, endpoint	104.56	Normal: < 150 Borderline High: 150-199 High: 200-499 Very High: >= 500	mg/dL
HDL Cholesterol Method : Serum, Direct measure-PEG	45.67	Normal: > 40 Major Risk for Heart: < 40	mg/dL
LDL Cholesterol Method : Enzymatic selective protection	116.13	Optimal < 100 Near / Above Optimal 100-129 Borderline High 130-159 High 160-189 Very High >or = 190	mg/dL
VLDL Cholesterol Method : Serum, Enzymatic	20.91	6 - 38	mg/dL
CHOL/HDL Ratio Method : Serum, Enzymatic	4.00	3.5 - 5.0	
LDL/HDL Ratio Method : Serum, Enzymatic	2.54	2.5 - 3.5	

Note:
8-10 hours fasting sample is required.

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Lab technician

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Test Description	Value(s)	Reference Range	Unit
LFT, Liver Function Test			
Bilirubin - Total Method : Serum, Jendrassak Graf	0.81	0.00 - 1.00	mg/dL
Bilirubin - Direct Method : Serum, Diazotization	0.17	0.00 - 0.20	mg/dL
Bilirubin - Indirect Method : Serum, Calculated	0.64	0.10 - 0.80	mg/dL
SGOT Method : Serum, UV with PSP, DPC 37 degree	20.89	8 - 33	U/L
SGPT Method : Serum, UV with PSP, DPC 37 degree	28.46	3 - 35	U/L
GGT-Gamma Glutamyl Transpeptidase Method : Serum, G-glutamyl-carboxy-nitroanilide	7.57	< 55	U/L
Alkaline Phosphatase Method : PAPP-AMP Buffer/Kinetic	81.76	53-128	U/L
Total Protein Method : Serum, Biuret, reagent blank end point	7.19	6.60 - 8.70	g/dL
Albumin Method : Serum, Bromocresol green	4.35	3.50 - 5.30	g/dL
Globulin Method : Serum, EIA	2.84	2.00-3.50	g/dL
A/G Ratio Method : Serum, EIA	1.53	1.2 - 2.2	

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Lab technician

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Wishing Good Health



NAME:- DEVNANDAN BEHERA

REFERRAL:-MEDI WHEEL

AGE:- 38YRS

DATE :-23.12.2023

Patient ID:- 08

SEX :-MALE

CHEST X-RAY PA VIEW SHOWS.

- Both side lung fields are clear.
- Trachea within normal limit.
- Both costophrenic cardiophrenic angle are clear.
- Cardiac shadow within normal limit.
- Media stinum in position

IMPRESSION:-NORMAL STUDY.

Dr. Bhagaban Pradhan
M.D.(Radio diagnosis)

Consultant Radiologist