



भारतीय विशिष्ट पहचान प्राधिकरण
UNIQUE IDENTIFICATION AUTHORITY OF INDIA

पता: Address:
 आनंद उदय कुमार, गाँव- S/O: Uday Kumar, Vill- Mahkar
 महकार, अमरुत, गया, Amarat, Amarat, Gaya.
 बिहार - 824201 Bihar - 824201

4583 7940 6807



1947 1800 300 1947
 help@uidai.gov.in www.uidai.gov.in P.O. Box No. 1947, Bengaluru-560 001



भारत सरकार
GOVERNMENT OF INDIA



पुरषोत्तम कुमार
Purshotam Kumar
 जन्म तिथि/ DOB: 05/05/1987
 पुरुष / MALE



4583 7940 6807

आधार-आम आदमी का अधिकार

Purshotam Kumar

Stage	Time	Duration	Speed(imp/h)	Elevation	MEt's	Rate	% THR	BP	RPP	PVC	Comments
Standing	00:08	0:08	00.0	00.0	01.0	097	52 %	130/80	126	00	
Warm Up	00:52	0:44	00.0	00.0	01.0	099	54 %	130/80	128	00	
ExStart	01:22	0:30	01.0	00.0	01.0	103	56 %	130/80	133	00	
BRUCE Stage 1	04:22	3:00	01.7	10.0	04.7	145	78 %	130/80	188	00	
BRUCE Stage 2	07:22	3:00	02.5	12.0	07.1	170	92 %	130/80	221	00	
PeakEx	07:28	0:06	01.1	00.0	07.2	172	93 %	130/80	223	00	
Recovery	08:28	1:00	00.0	00.0	01.1	148	80 %	130/80	192	00	
Recovery	09:28	2:00	00.0	00.0	01.0	118	64 %	130/80	153	00	
Recovery	10:28	3:00	00.0	00.0	01.0	100	54 %	130/80	130	00	
Recovery	10:31	3:02	00.0	00.0	01.0	100	54 %	130/80	130	00	

Findings :

Exercise Time : 06:06
 Max HR Attained : 172 bpm 93% of Target 185
 Max BP Attained : (Sys) 130/80
 Max Workload Attained : 7.2 Fair response to induced stress
 Max ST Dep Lead & Avg ST Value : avL & -5.6 mm in Stage 2
 Duke Treadmill Score : 04.4
 Test End Reasons : Test Complete, Test Complete

Report :

Sample Name: Stress Test Graded Exercise Treadmill
 Description: Chest pain/Chest wall tenderness occurred with exercise.
 INDICATIONS: Chest pain.
 PROCEDURE DONE: Graded exercise treadmill stress test.
 STRESS ECG RESULTS: The initial HR was recorded as 106.0 bpm and the maximum predicted Target Heart Rate 189.0. The BP increased at the time of generating report as 110.0/70.0 mmHg The Max Dep went upto 0.0. 0.0 Ectopic Beats were observed during the Test.
 The Test was completed because of Test Complete.
 CONCLUSIONS:
 1. Stress test is negative for ischemia.
 2. Chest wall tenderness occurred with exercise.
 3. Blood pressure response to exercise is normal.



Doctor : SELF

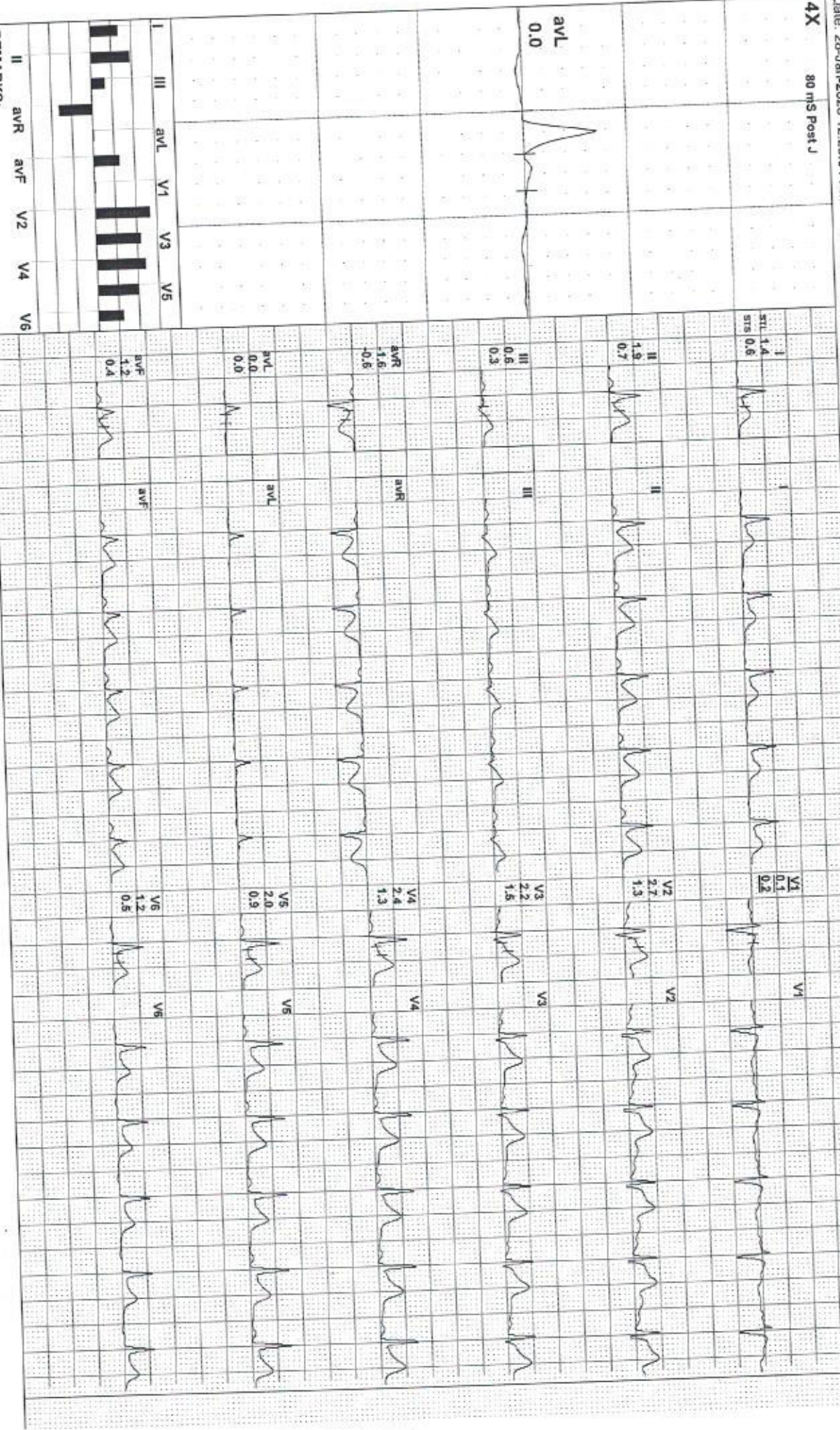
11859 / PUROSHOTTAM KUMAR / 35 Yrs / M / 172 Cms / 80 Kg / HR : 97

Date: 28-Jan-2023 12:25:54 PM METS: 1.0/ 97 bpm 52% of THR BP: 130/80 mmHg Combined Medians/ BLC On Notch On HF 0.05 Hz/LF 20 Hz

ExTime: 00:00, 0.0 mph, 0.0%

25 mm/Sec., 1.0 Cm/mV

4X 80 mS Post J



REMARKS:

Block Road Kathiband Ratu Ranchi Jharkhand
14859 / PUROSHOTTAM KUMAR / 35 Yrs / Male / 172 Cm / 80 Kg

Date: 28 - 01 - 2023 12:25:54 PM

MEIs : 01.00

HR : 97

Target HR : 52% of 185

BP : 130/80

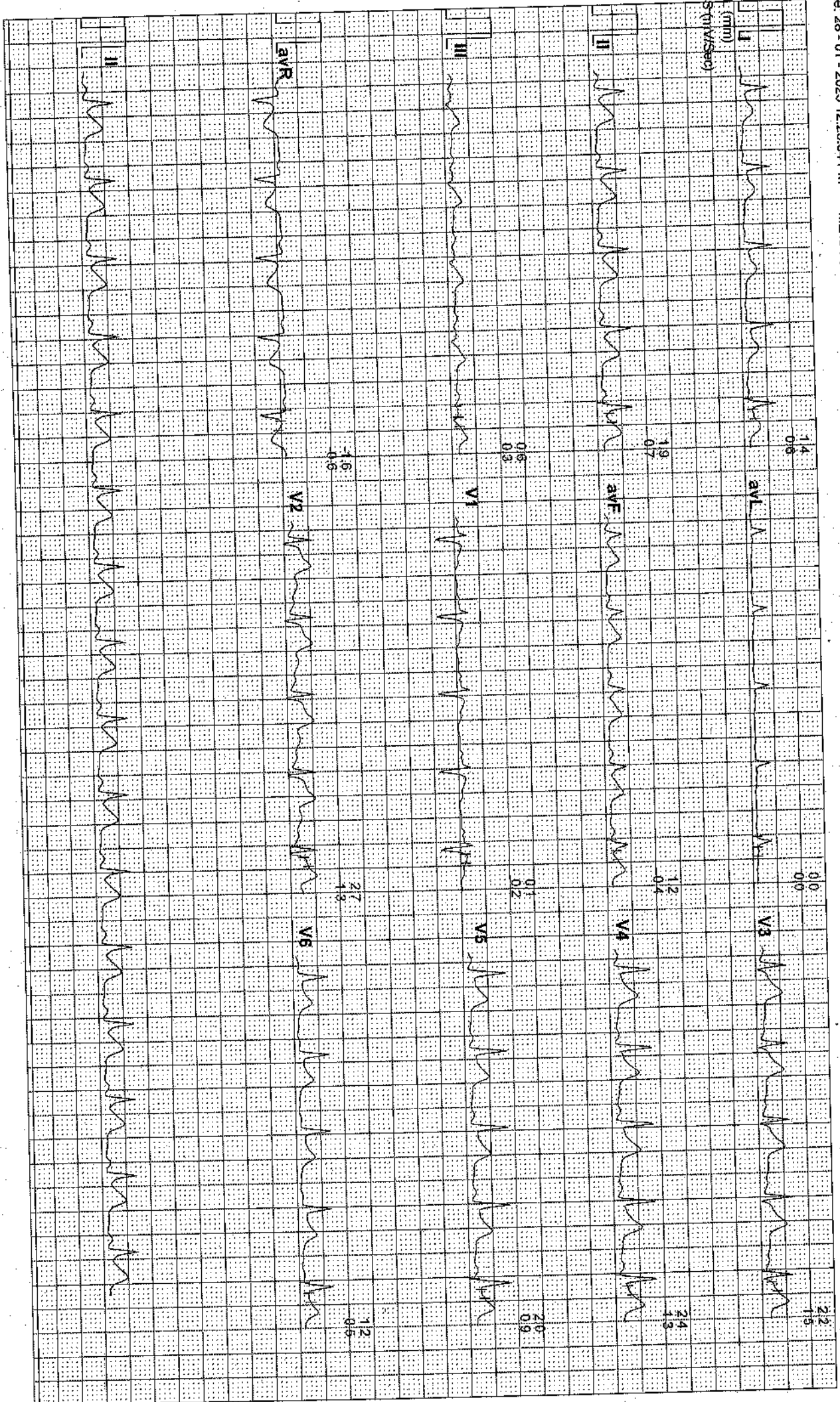
Post J @80mSec

00:00

0.0 mph

Grade : 00.00 %

25 mm/Sec. 1.0 Cm/mV

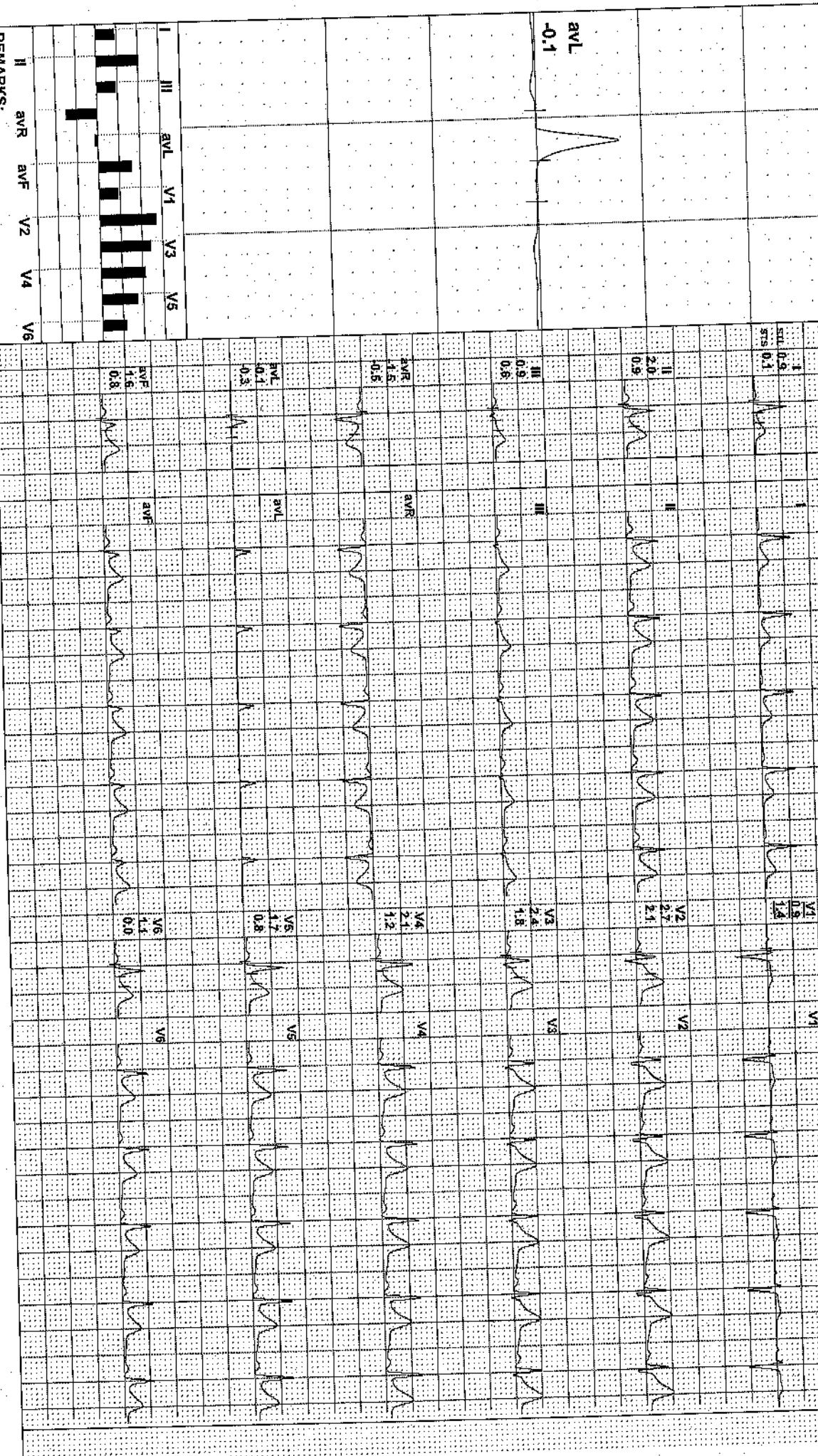


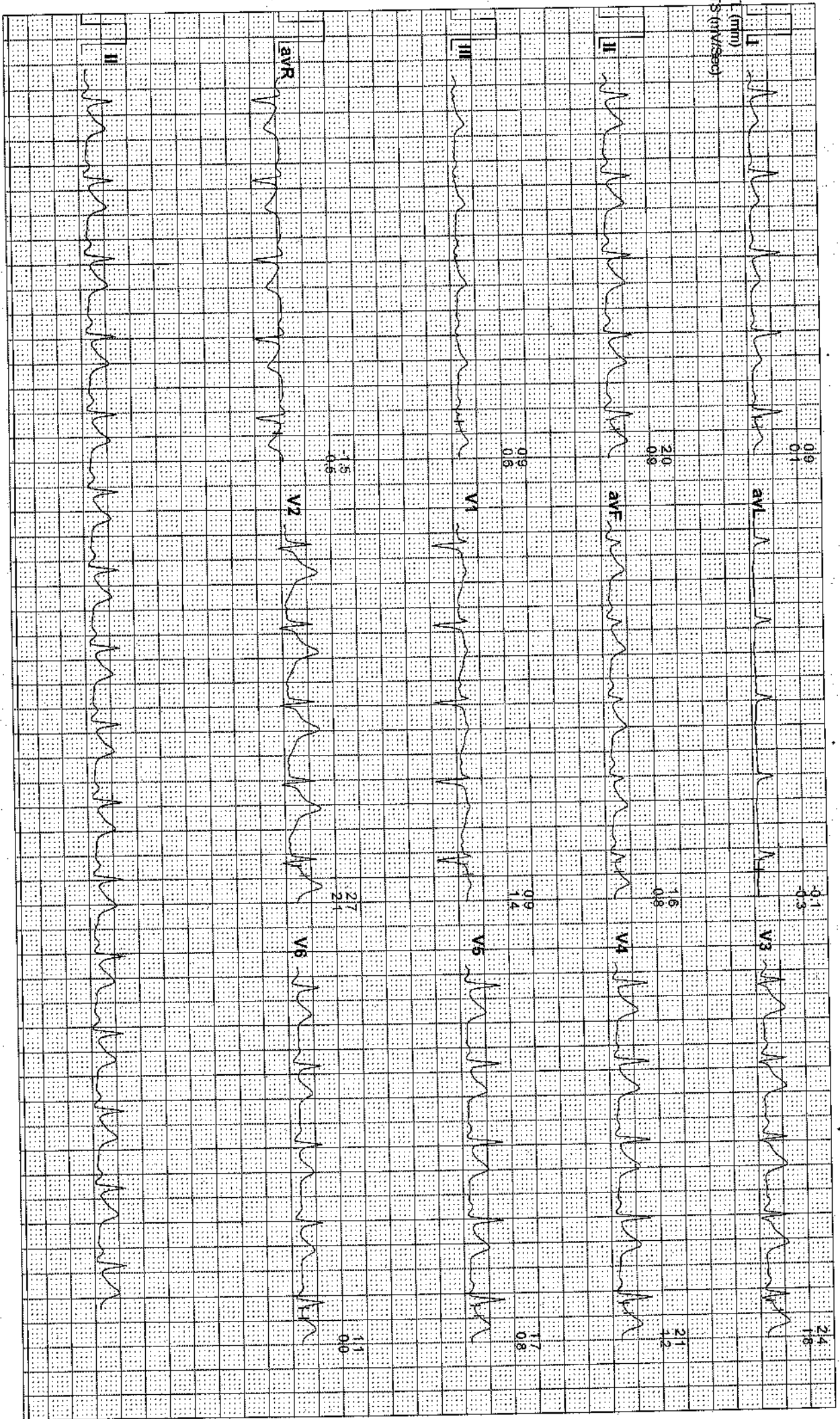
11859 / PUROSHOTTAM KUMAR / 35 Yrs / M / 172 Cms / 80 Kg / HR : 99

Date: 28-Jan-2023 12:25:54 PM METS: 1.01 99 bpm 54% of THR BP- 130/80 mmHg Combined Medians/ BLC On/ Notch On/ HF 0.05 Hz/ LF 20 Hz

EXTime: 00:00 0.0 mph 0.0%

4X 80 ms Post J







11859 / PUROSHOTTAM KUMAR / 35 Yrs / M / 172 Cms / 80 Kg / HR : 103

Date: 28-Jan-2023 12:25:54 PM . METS: 1.07 103 bpm 56% of THR BP- 130/80 mmHg Combined Medians/ BLC On/ Notch On/ HF- 0.05 Hz/LF 20 Hz

EXTime: 00:00 1.0 mph, 0.0%

4X 80 mS Post J

25 mm/Sec. 1.00 Cm/mV

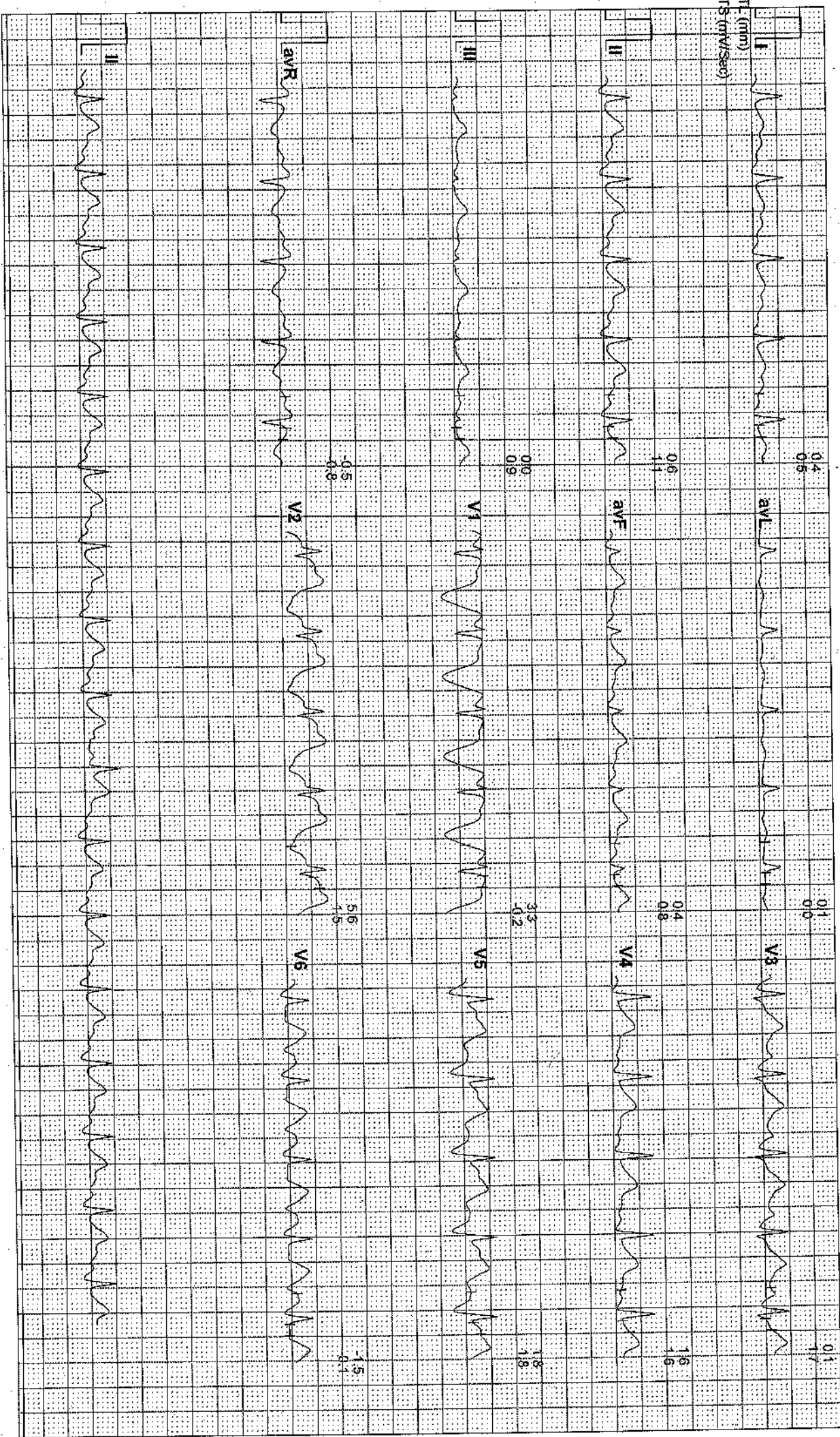


REMARKS:



Block Road-Katitand-Ratu-Raneti-Jharkhand
11859 / PURUSHOTTAM KUMAR / 35 Yrs / Male / 172 Cm / 80 Kg

Date: 28 - 01 - 2023 12:25:54 PM METs : 01.00 HR : 103 Target HR : 56% of 185 BP : 130/80 Post J @80mSec 00:00 1.0 mph Grade : 00.00 % 25 mm/Sec. 1.0 Cm/mV





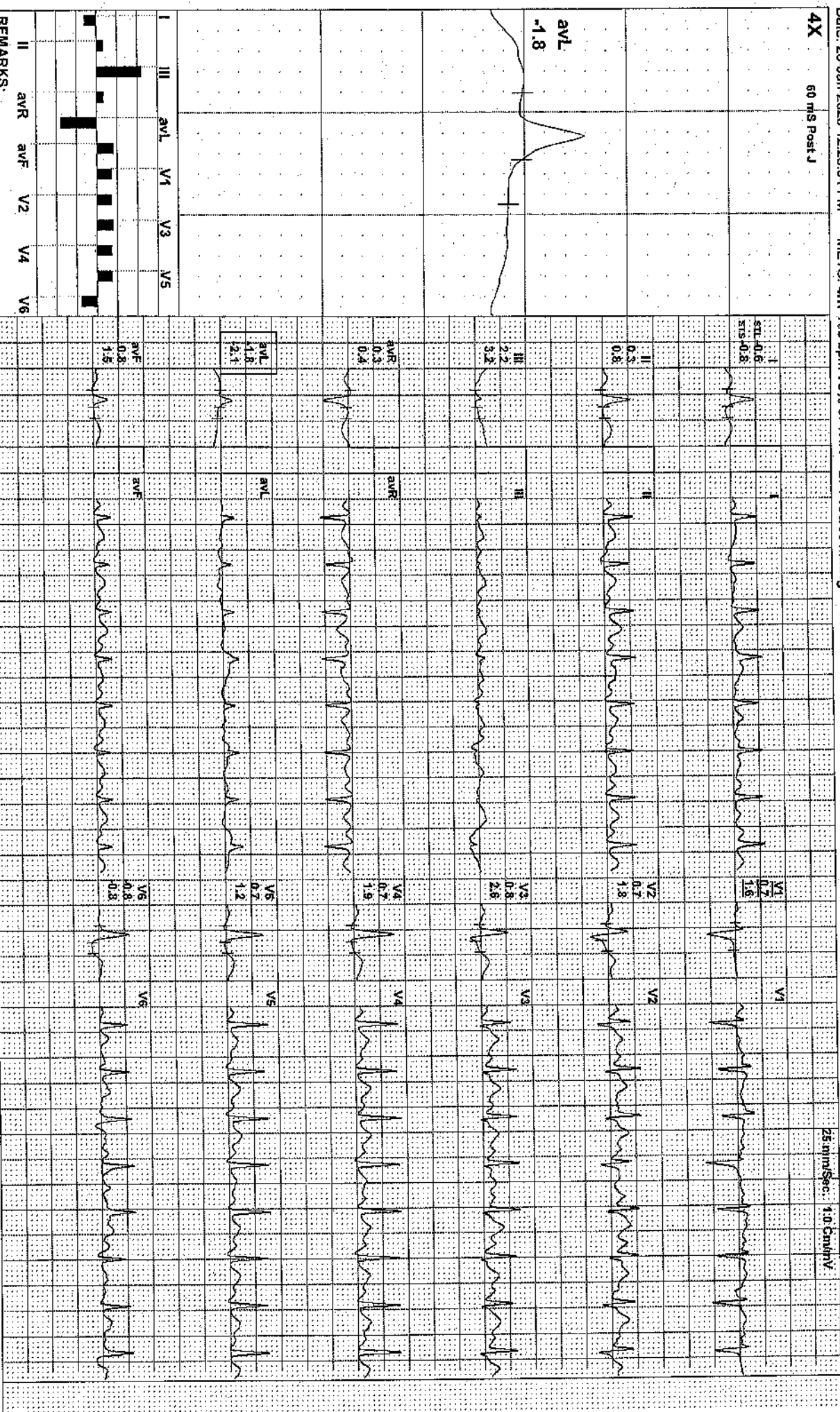
11859 / PUROSHOTTAM KUMAR / 35 Yrs / M / 172 Cms / 80 Kg / HR : 145

Date: 28-Jan-2023 12:25:54 PM METS: 4.71 145 bpm 78% of THR BP: 130/80 mmHg Combined Medians/ BLC On/ Notch On/ HF 0.05 Hz/ LF 20 Hz

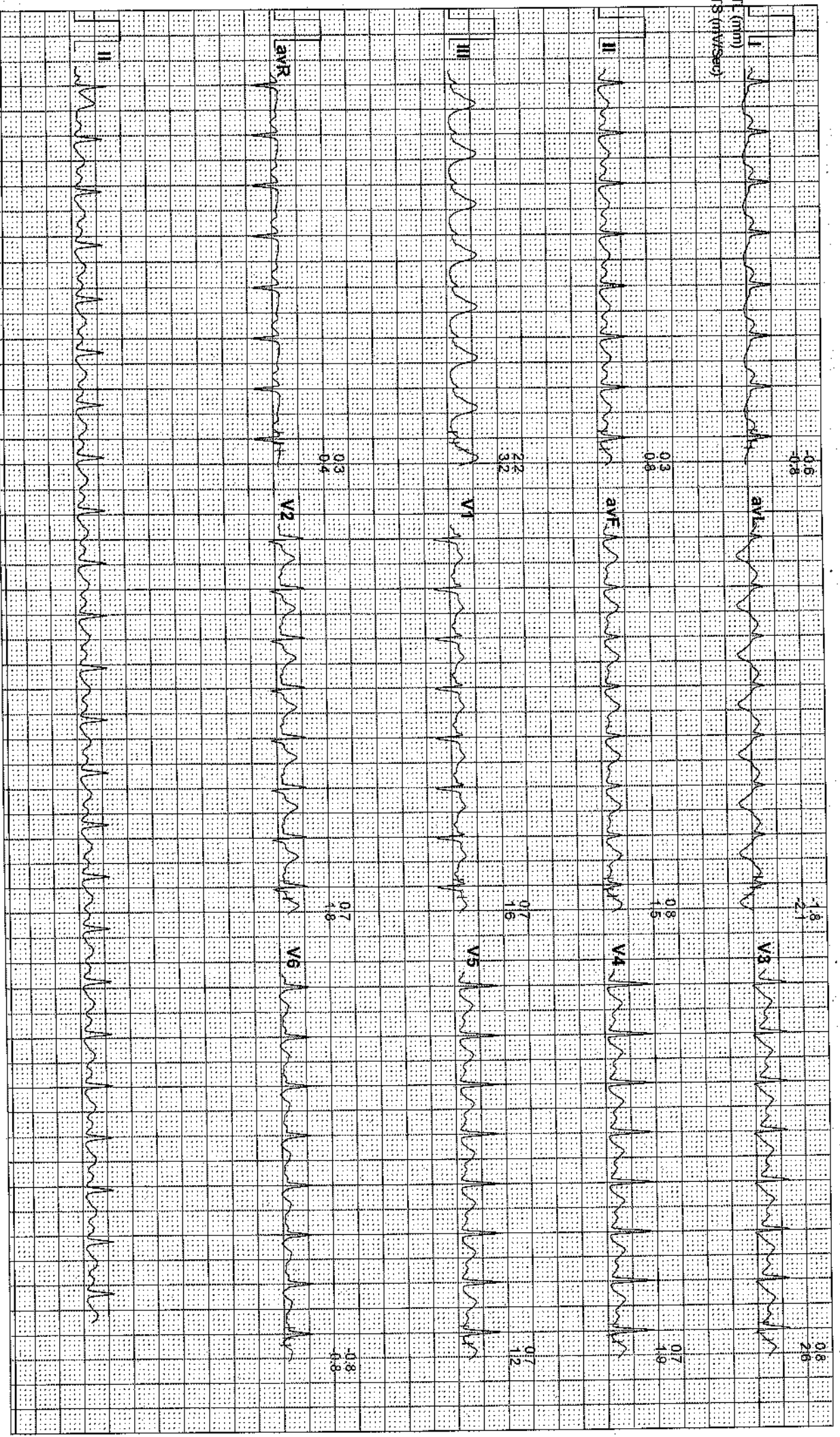
EXTime: 03:00 1.7 mph, 10.0%

4X 60 mS Post J

25 mm/Sec: 1.0 Cm/mV



REMARKS:





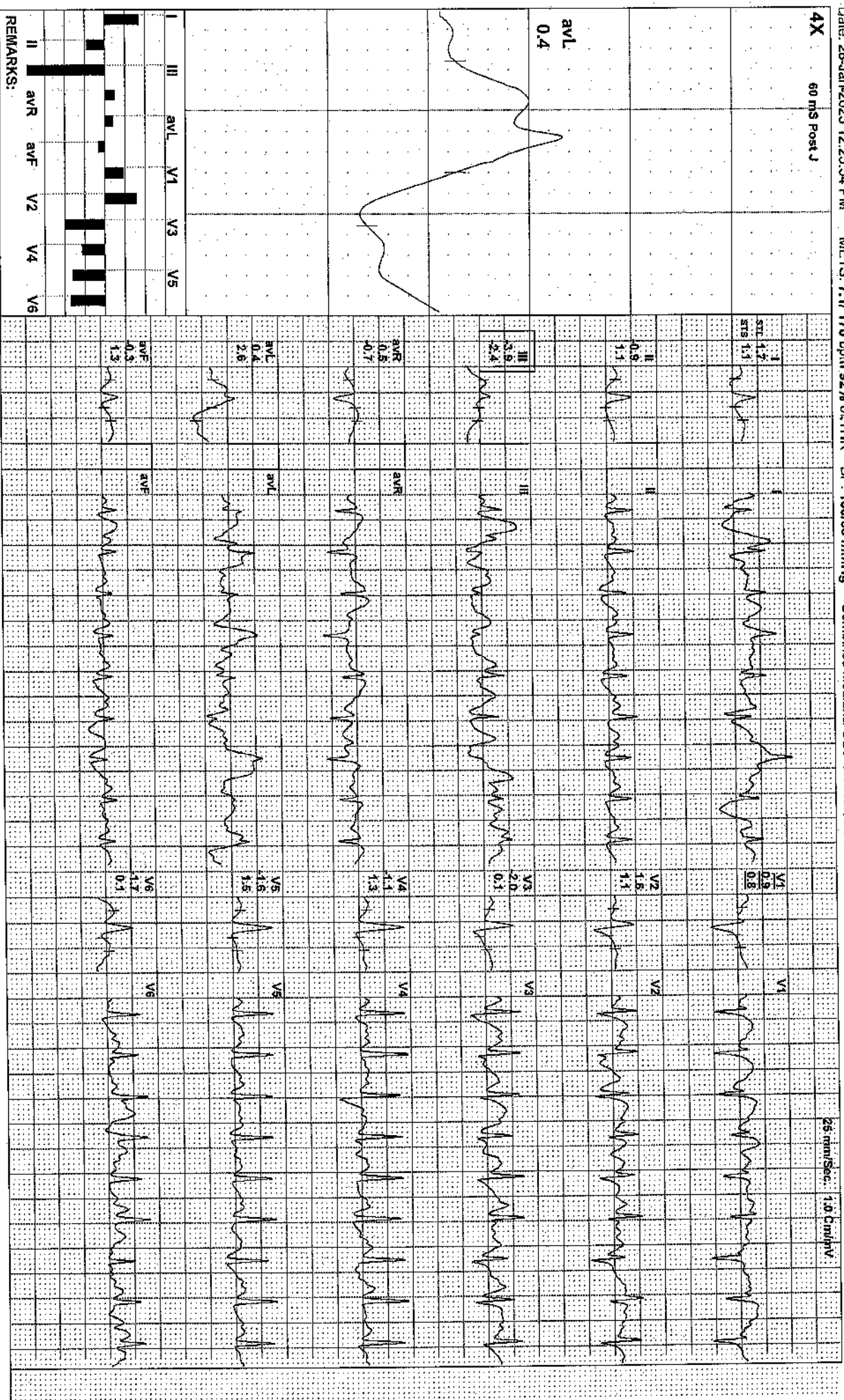
11859 / PUROSHOTTAM KUMAR / 35 Yrs / M / 172 Cms / 80 Kg / HR : 170

Date: 28-Jan-2023 12:25:54 PM METS: 7.1/ 170 bpm 92% of THR BP: 130/80 mmHg Combined Medians/ BLC On/ Notch On/ HF 0.05 H/L/F 20 Hz

ExTime: 06:00, 2.5 mph, 12.0%

4X 60 ms Post J

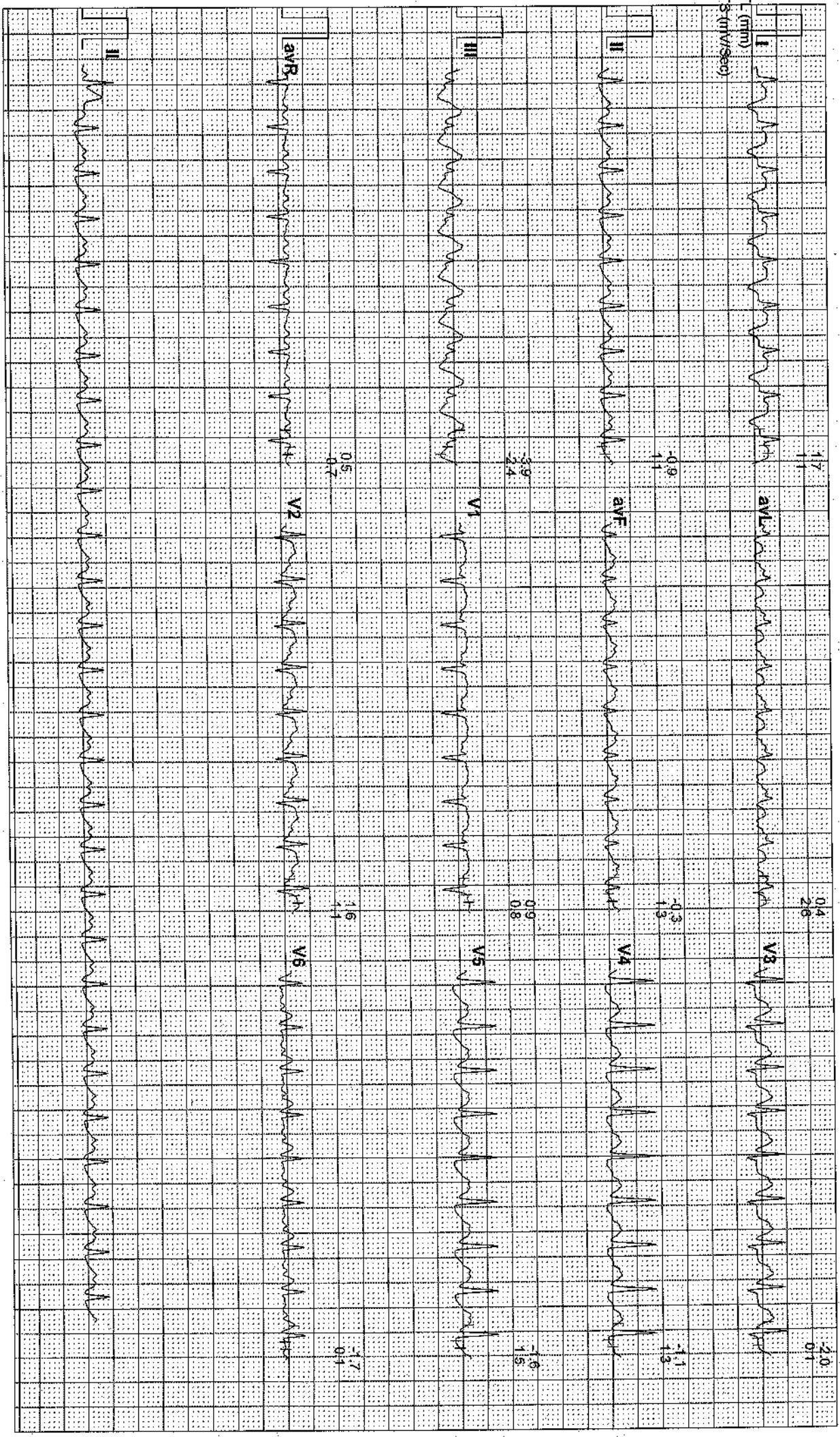
25 mm/Sec. 1.0 cm/mV



REMARKS:



Date: 28 - 01 - 2023 12:25:54 PM METs : 07.10 HR : 170 Target HR : 92% of 185 BP : 130/80 Post J @60mSec 06:00 2.5 mph Grade : 12.00 % 25 mm/Sec. 1.0 Cm/mV





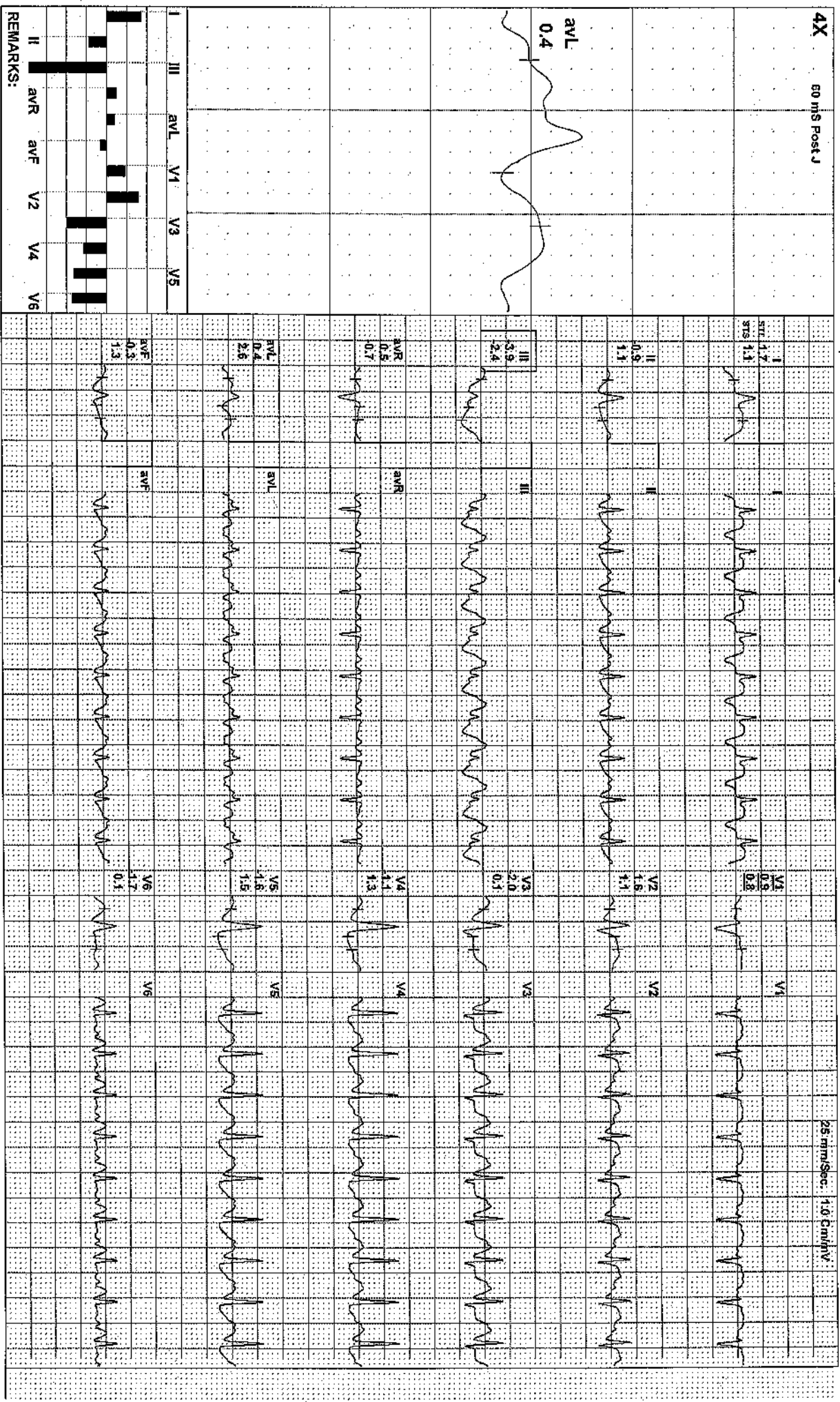
11859 / PUROSHOTTAM KUMAR / 35 Yrs / M / 172 Cms / 80 Kg / HR : 172

Date: 28-Jan-2023 12:25:54 PM METS: 7.21 172 bpm 93% of THR BP: 130/80 mmHg Combined Medians/ SLC On/ Notch On/ HF 0.05 H2/LF 20 HZ

ExTime: 06:07 1.1 mph, 0.0%

4X 60 m/s Post J

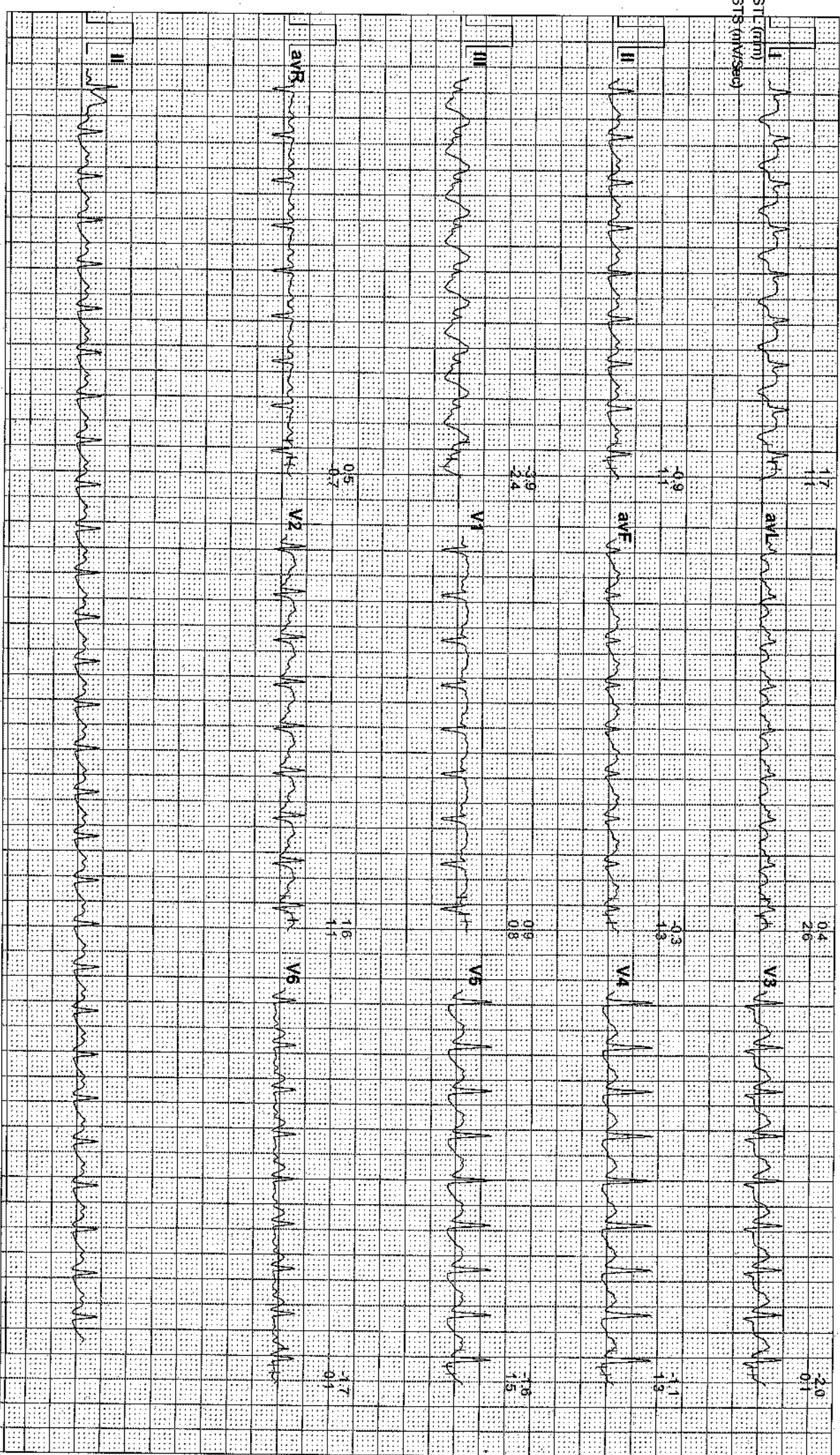
25 mm/Sec: 1.0 cm/mV



REMARKS:



Date: 28 - 01 - 2023 12:25:54 PM METs : 07.20 HR : 172 Target HR : 93% of 185 BP : 130/80 Post J @60mSec 06:07 1.1 mph Grade : 00.00 % 25 mm/Sec. 1.0 Cm/mV





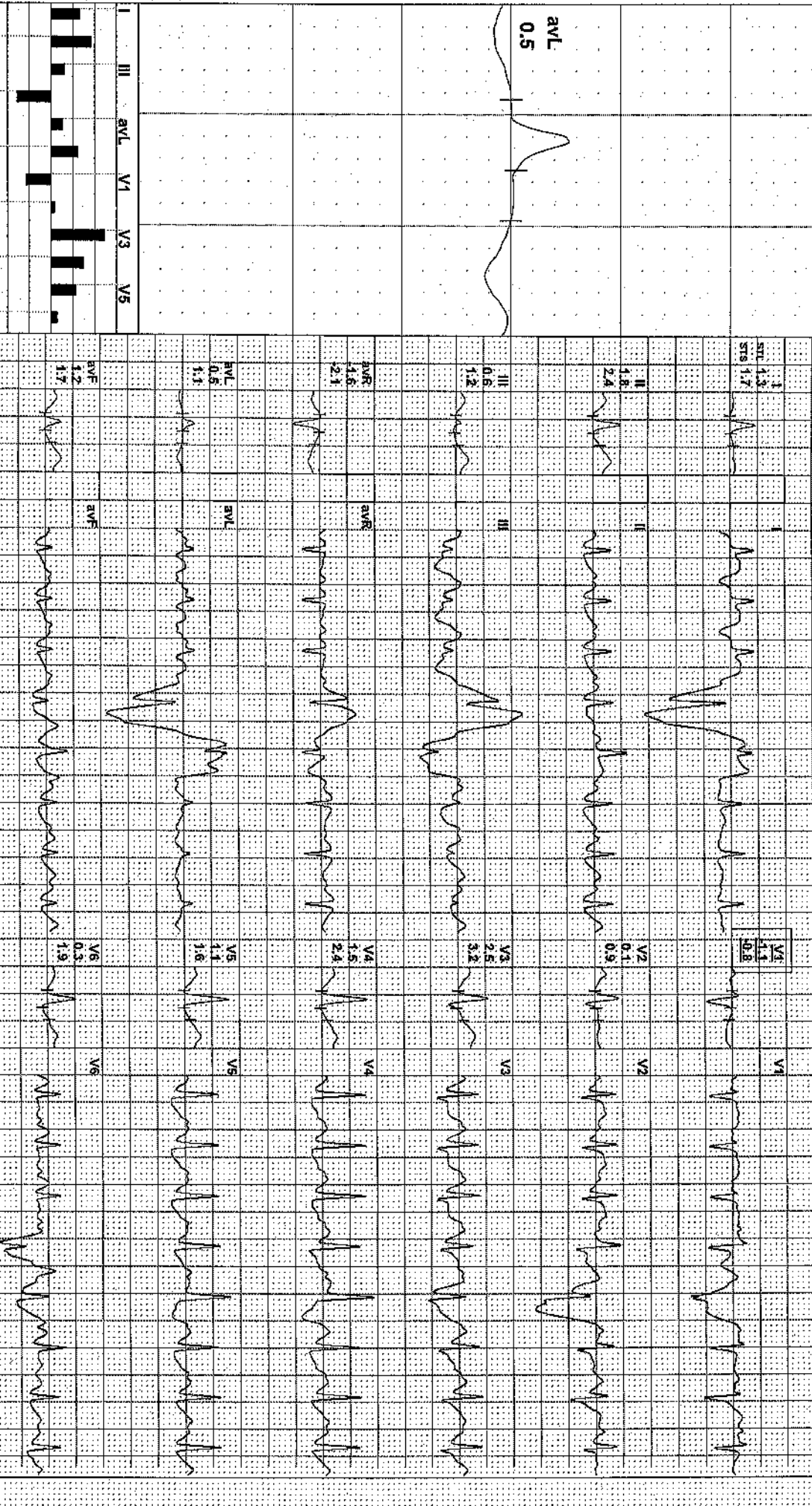
11859 / PUROSHOTTAM KUMAR / 35 Yrs / M / 172 Cms / 80 Kg / HR : 148

Date: 28-Jan-2023 12:25:54 PM METS: 1.1/ 148 bpm 80% of THR BP: 130/80 mmHg , Combined Medians/ BLC On/ Notch On/ HF 0.05 Hz/LF 20 Hz

ExTime: 06:06 0.0 mph, 0.0%

4X 60 mS Post J

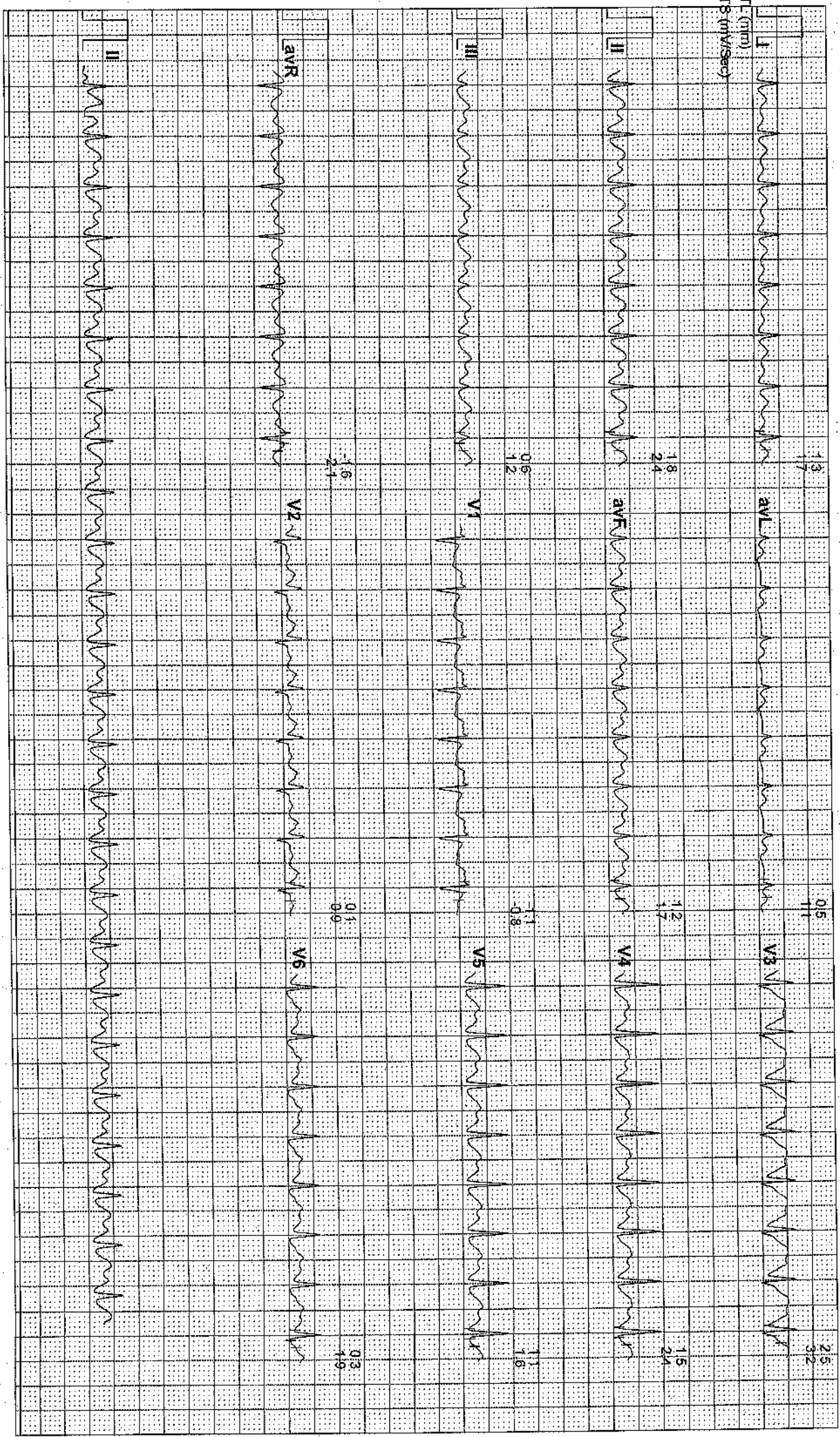
25 mm/Sec. 1.0 cm/mV



REMARKS:
 I avR avF V2 V4 V6
 II avR avF V2 V4 V6



Date: 28 - 01 - 2023 12:25:54 PM METs : 01.10 HR : 148 Target HR : 80% of 185 BP : 130/80 Post J @60mSec 06:06 0.0 mph Grade : 00.00 % 25 mm/Sec. 1.0 Cm/mV





Date: 28-Jan-2023 12:25:54 PM

METS: 1.0/ 118 bpm 64% of THR

BP: 130/80 mmHg

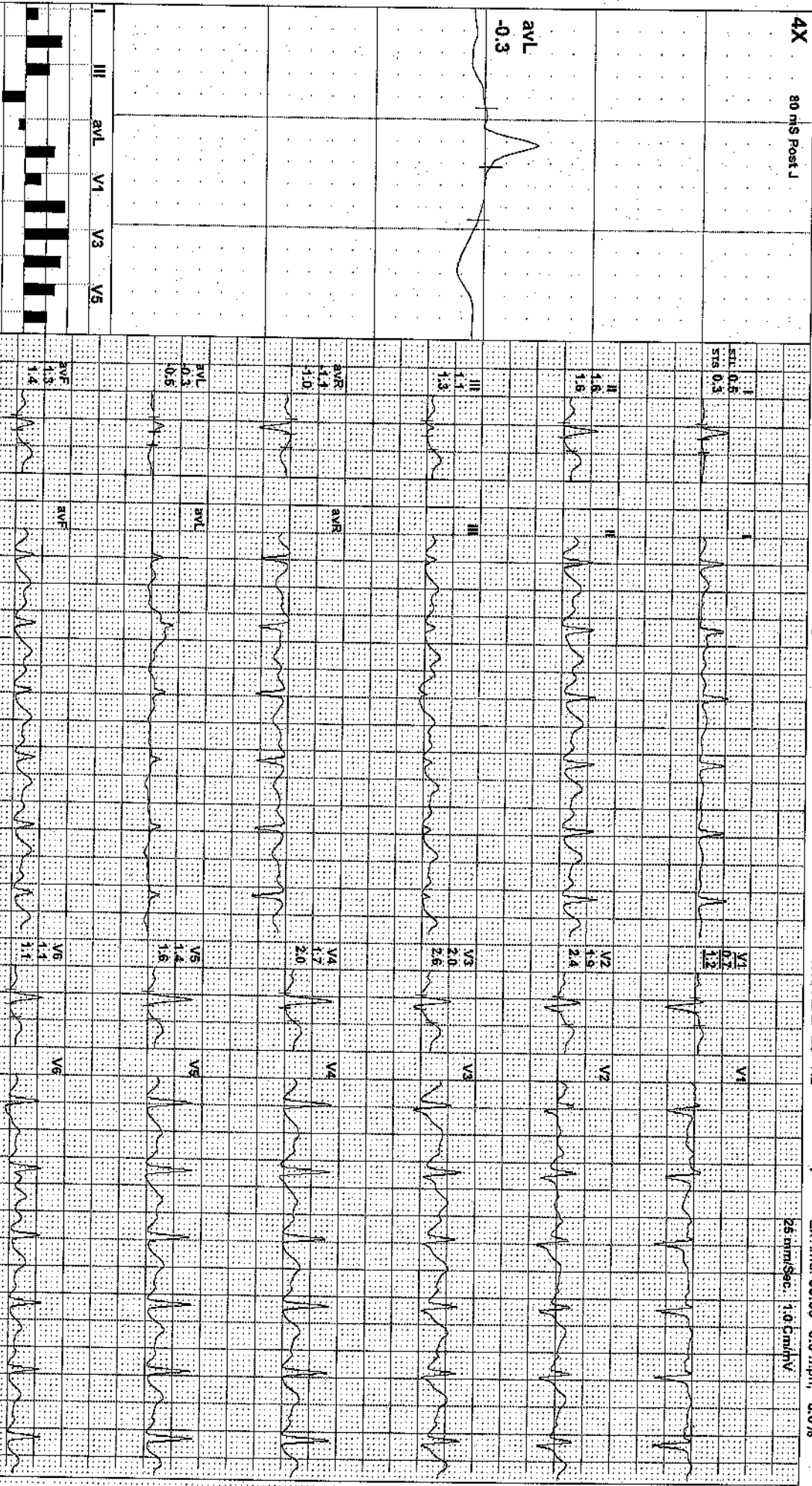
Combined Medians/ BLC On/ Notch On/ HF 0.05 HZ/LF 20 Hz

ExTime: 06:06 0.0 mph 0.0%

4X 80 mS Post J

25 mm/Sec: 1.0 Cm/mV

avL
-0.3

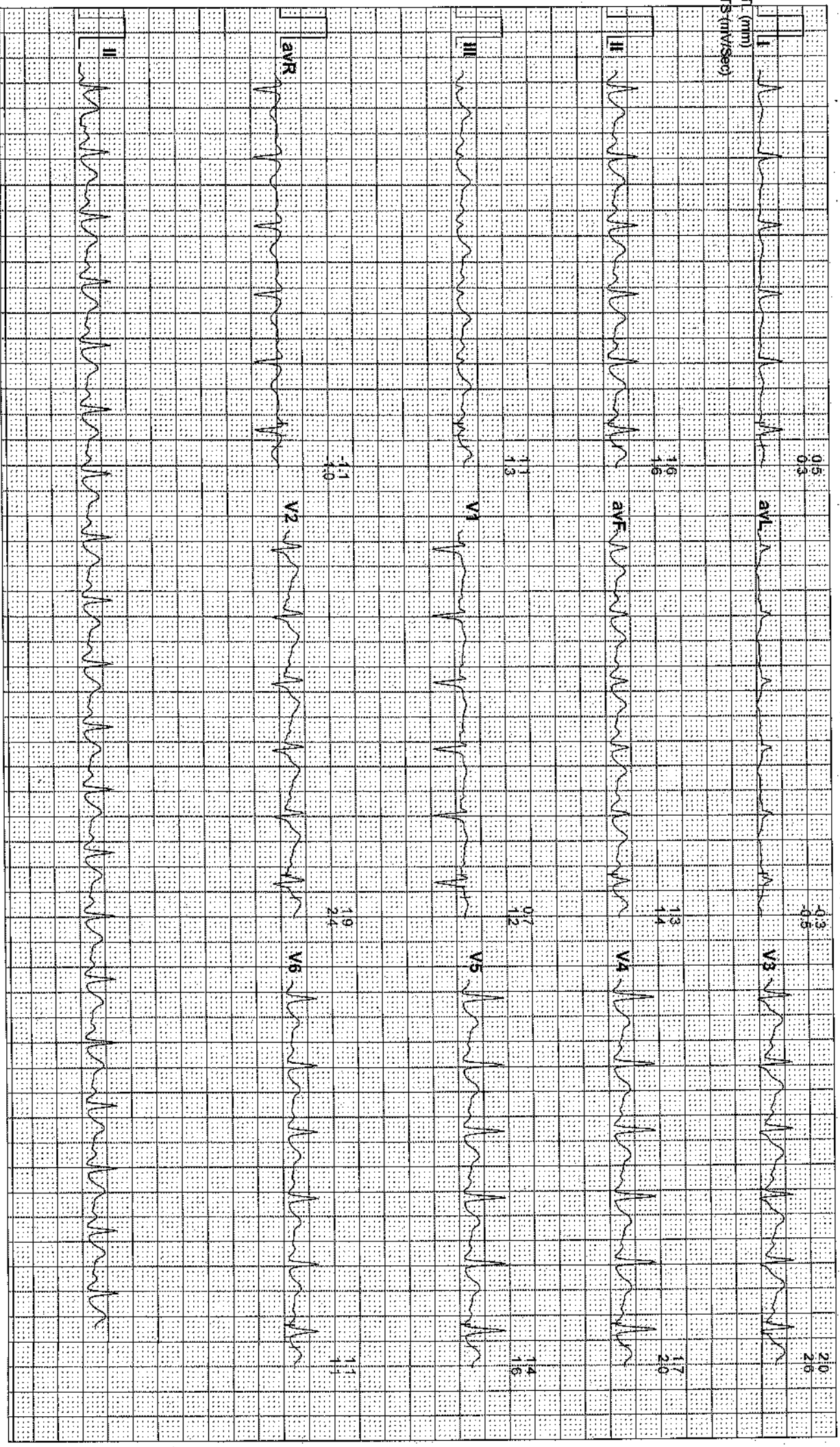


REMARKS:
II avR avF V2 V4 V6



Block Road Kathiland Ratu Ranchi Jharkhand
11859 / PUROSHOTAM KUMAR / 35 Yrs / Male / 172 Cm / 80 Kg

Date: 28 - 01 - 2023 12:25:54 PM METs : 01.00 HR : 118 Target HR : 64% of 185 BP : 130/80 Post J @80mSec 06:06 0.0 mph Grade : 00.00 % 25 mm/Sec. 1.0 Cm/mV





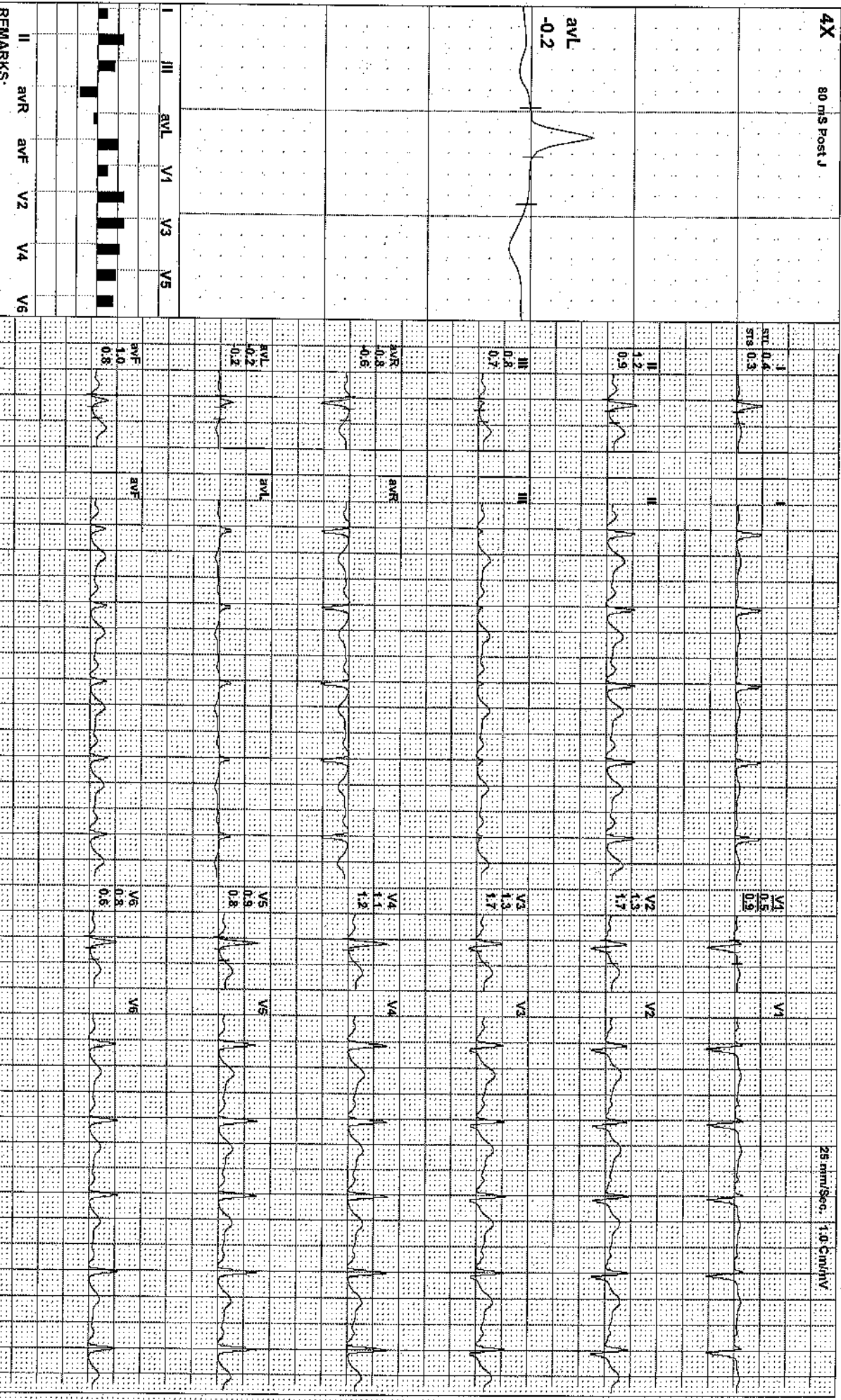
11859 / PUROSHOTTAM KUMAR / 35 Yrs / M / 172 Cms / 80 Kg / HR : 100

Date: 28-Jan-2023 12:25:54 PM METS: 1.0/ 100 bpm 54% of THR BP- 130/80 mmHg Combined Medians/ BLC On/ Notch On/ HF 0.05 Hz/LF 20 Hz

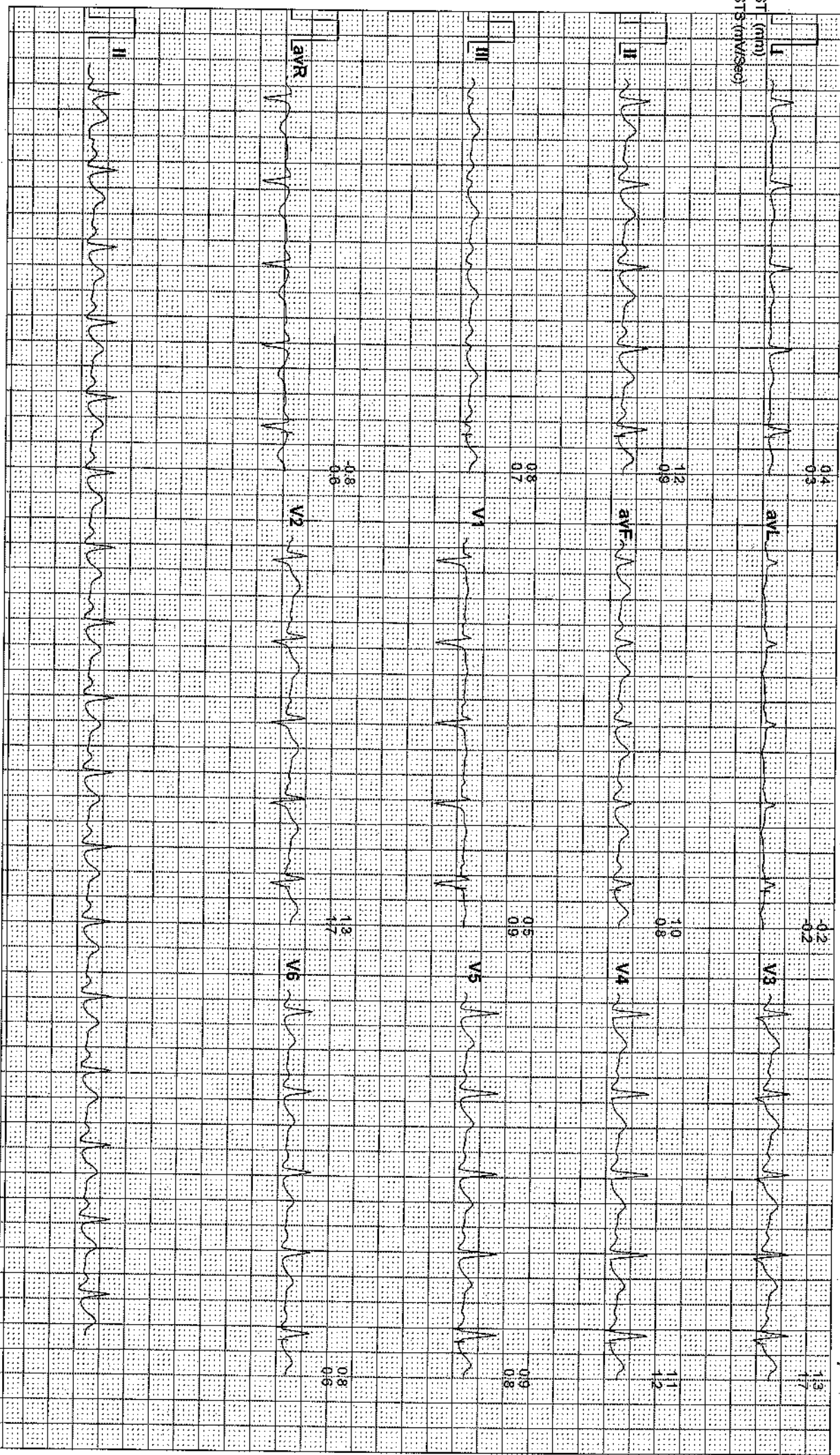
ExTime: 06:06 0.0 mph, 0.0%

4X 80 mS Post J

25 mm/Sec. 1.0 Cm/mV



REMARKS:





STL(mm) Standing	I	II	III	aVR	avL	avF	V1	V2	V3	V4	V5	V6	I	II	III	aVR	avL	avF	V1	V2	V3	V4	V5	V6	STS(mv/sec)
80 @ms Warm Up	1.4	1.9	0.6	-1.6	0.0	1.2	0.1	2.7	2.2	2.4	2.0	1.2	0.6	0.7	0.3	-0.6	0.0	0.4	0.2	1.3	1.5	1.3	0.9	0.5	
ExStart	0.9	2.0	0.9	-1.5	-0.1	1.6	0.9	2.7	2.4	2.1	1.7	1.1	0.1	0.9	0.6	-0.5	-0.3	0.8	1.4	2.1	1.8	1.2	0.8	0.0	
Stage 1	0.4	0.6	0.0	-0.5	0.1	0.4	3.3	5.6	0.1	1.6	1.8	-1.5	0.5	1.1	0.9	-0.8	0.0	0.8	-0.2	1.5	1.7	1.6	1.8	-0.1	
Stage 2	-0.6	0.3	2.2	0.3	-1.8	0.8	0.7	0.7	0.8	0.7	0.7	-0.8	-0.8	0.8	3.2	0.4	-2.1	1.5	1.6	1.8	2.6	1.9	1.2	-0.8	
PeakEx	1.7	-0.9	-3.9	0.5	0.4	-0.3	0.9	1.6	-2.0	-1.1	-1.6	-1.7	1.1	1.1	-2.4	-0.7	2.6	1.3	0.8	1.1	0.1	1.3	1.5	0.1	
Recovery	1.1	1.5	0.5	-1.5	0.4	0.9	-0.9	1.1	1.7	1.4	1.0	1.2	0.4	1.6	0.3	-0.9	0.1	3.7	-2.5	0.0	1.6	1.4	1.9	7.0	
Recovery	0.5	1.4	0.9	-1.0	-0.2	1.2	0.7	1.6	1.7	1.4	1.1	0.9	0.2	1.3	1.1	-0.2	-0.4	1.9	0.0	1.6	1.6	2.5	2.0	-0.9	
Recovery	0.4	1.2	0.8	-0.9	-0.2	1.0	0.4	1.3	1.3	1.1	0.9	0.8	0.3	1.4	1.2	-0.8	-0.5	1.3	1.3	2.3	2.4	1.7	1.3	0.9	
Recovery	0.4	1.2	0.8	-0.9	-0.2	1.0	0.4	1.3	1.3	1.1	0.9	0.8	0.3	1.0	0.7	-0.7	-0.2	0.9	0.6	1.5	1.5	1.1	0.9	0.7	

STL(uVs)	I	II	III	aVR	avL	avF	V1	V2	V3	V4	V5	V6	I	II	III	aVR	avL	avF	V1	V2	V3	V4	V5	V6	
Standing	12.0	15.4	4.4	-13.7	0.8	9.6	0.0	21.8	17.7	19.5	16.5	10.2	9.6	0.0	21.8	17.7	19.5	16.5	10.2						
Warm Up	7.1	15.5	7.3	-11.4	-0.8	12.1	5.9	21.4	18.7	17.0	13.7	10.6	12.1	5.9	21.4	18.7	17.0	13.7	10.6						
ExStart	2.0	3.4	-1.3	-2.6	0.3	2.4	28.1	44.3	-0.2	10.7	13.0	-11.4	2.4	28.1	44.3	-0.2	10.7	13.0	-11.4						
Stage 1	-2.1	-0.4	7.1	2.0	-6.8	1.5	3.3	2.5	0.6	0.5	1.4	-5.3	1.5	3.3	2.5	0.6	0.5	1.4	-5.3						
Stage 2	9.6	-7.7	-18.5	3.6	-1.7	-4.7	4.3	8.2	-12.1	-10.2	-13.3	-10.4	-4.7	4.3	8.2	-12.1	-10.2	-13.3	-10.4						
PeakEx	-27.7	3.4	34.2	10.3	-31.0	5.6	-15.3	-14.3	12.2	-3.5	0.8	17.4	5.6	-15.3	-14.3	12.2	-3.5	0.8	17.4						
Recovery	7.2	6.5	0.7	-8.9	4.2	2.0	-3.2	5.0	8.4	4.4	2.6	10.7	2.0	-3.2	5.0	8.4	4.4	2.6	10.7						
Recovery	2.7	7.3	4.5	-5.0	-1.0	6.0	4.5	9.3	9.1	6.9	5.5	4.5	6.0	4.5	9.3	9.1	6.9	5.5	4.5						
Recovery	3.0	8.3	5.2	-5.7	-1.1	6.9	3.0	8.8	8.5	6.8	5.7	4.9	6.9	3.0	8.8	8.5	6.8	5.7	4.9						
Recovery	3.0	8.3	5.2	-5.7	-1.1	6.9	3.0	8.8	8.5	6.8	5.7	4.9	6.9	3.0	8.8	8.5	6.8	5.7	4.9						

VARDAAN HOSPITAL & RESEARCH CENTER

Name: PUROSHOTTAM KUMAR

ID: 20230128-104306-3

Age: 35Y

Gender: M

Telephone: 06516660100

Fax: _____

Website: www.vardaanhospitals.org



Adult A

Exam Date: 28/01/2023

Equipment Used: MINDRAY D

General

2D Measurements

Dist: 6.58cm

Volume

Dist1: 3.33cm

Dist2: 4.21cm

Dist3: 3.44cm

Vol: 25.33cm³

Comments: LIVER- ENLARGED SIZE (160 MM) , SHAPE AND ECHOTEXTURE HEPATOBILIARY RADICLE WITHIN NORMAL LIMITS.

GB & CBD-- GB WELL DISTENDED, NORMAL WALL THICKNESS, CBD NORMAL CALIBER , NO CALCULI SEEN IN GB.

PANCREAS-- NORMAL SIZE, SHAPE AND ECHOTEXTURE, NO CALCIFICATION OR ANY OTHER ABNORMALITY SEEN.

SPLEEN- NORMAL.

KIDNEY- RIGHT KIDNEY SIZE 107 MM NORMAL SHAPE & ECHOTEXTURE .
LEFT KIDNEY NOT SEEN (H/O NEPHRECTOMY)

CORTICO -- MEDULLARY TRUCTURE MANTAINED, A CALCULUS SEEN RT. KIDNEY. SIZE ABOUT 4MM.

URETER-- B/L NOT DILATED,NO CALCULI SEEN.

UB-- WELL DISTENDED, WALL THICKNESS WITHIN NORMAL LIMIT, NO CALCULI OR GROWTH SEEN.

PROSTATE-- NORMAL SIZE , SHAPE AND ECHOTEXTURE.

IMP-- HEPATOMEGALY
RIGHT NEPHROLITHIASIS.



Signature(seal):

Date Signed:

DEPARTMENT OF RADIOLOGY

Mr. Puroshottam Kumar
Age: 35 Yrs/Male
Referring Doctor :- self

Date:- 28.01.2023
UHID:- 11859

X-RAY CHEST PA

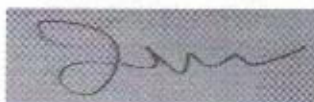
FINDINGS:

The retro-cardial and retero-sternal spaces are clear.
Both the lung fields are equally translucent.
The posterior and lateral costo-phrenic angles are clear.
Domes of diaphragm are normal in position and contour.
No obvious skeletal abnormality is seen.

IMPRESSION:

No significant abnormality is seen

Radiology Department



Dr. SAURAV
MBBS,MD.
Cons. Radiologist

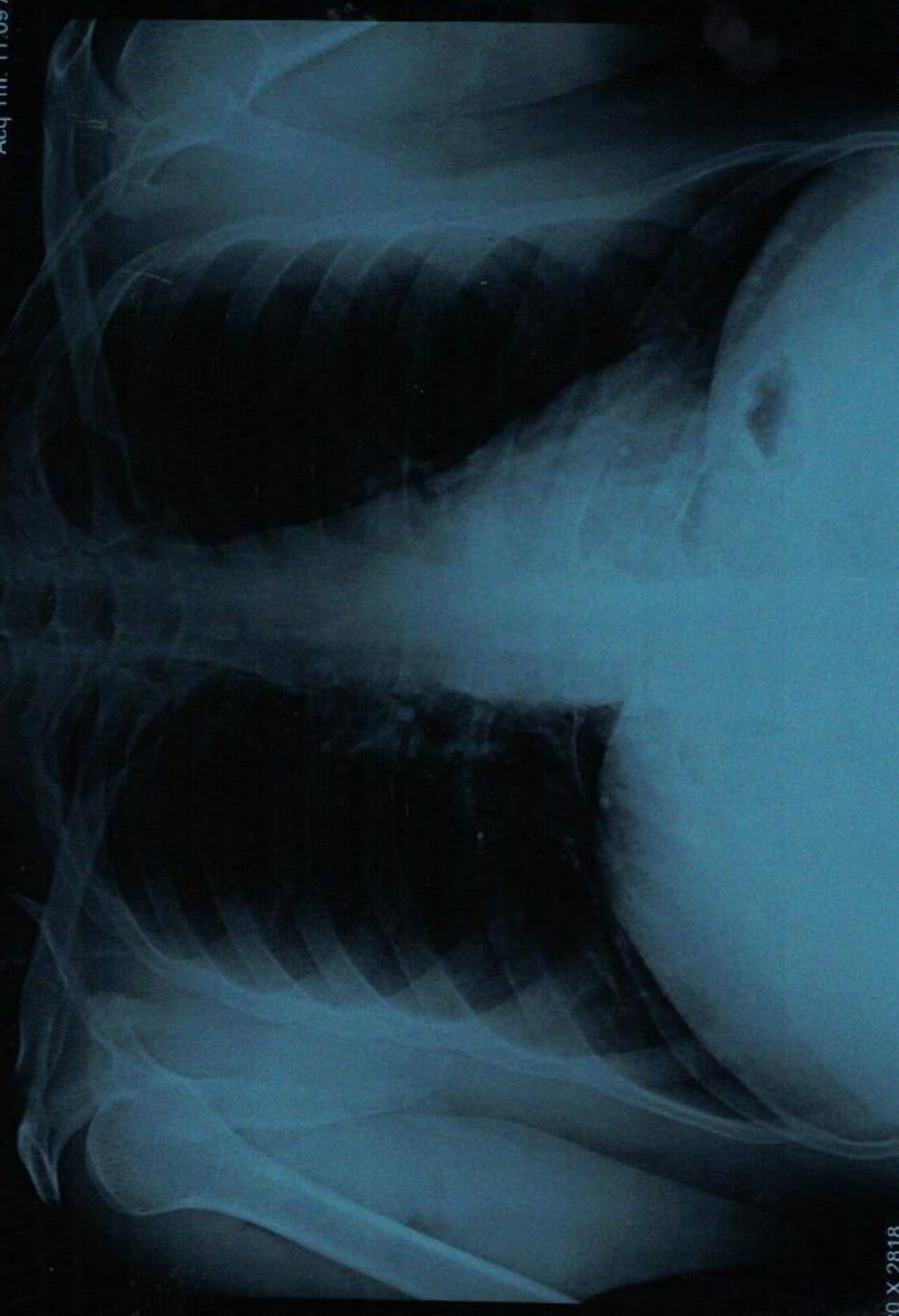


VARDAAN HOSPITAL
PUROSHOTTAM KUMAR, 35Y
UHID-11859
1/28/2023
Acq Tm: 11:09 AM

CXR PA

R

CHEST, FRN P->A



2320 X 2818

W: 4040 L: 2395

PUROSHOTTAM KUMAR, 35Y UHID-11859 M CHEST, FRN P->A 1/28/2023 11:09 AM
VARDAAN HOSPITAL & RESEARCH CENTRE, KATHITAND RATU RANCHI

11859
35 Years

PUROSHOOTAM KUMAR
Male

1/28/2023 10:56:59 AM
VARDAAN HOSPITAL

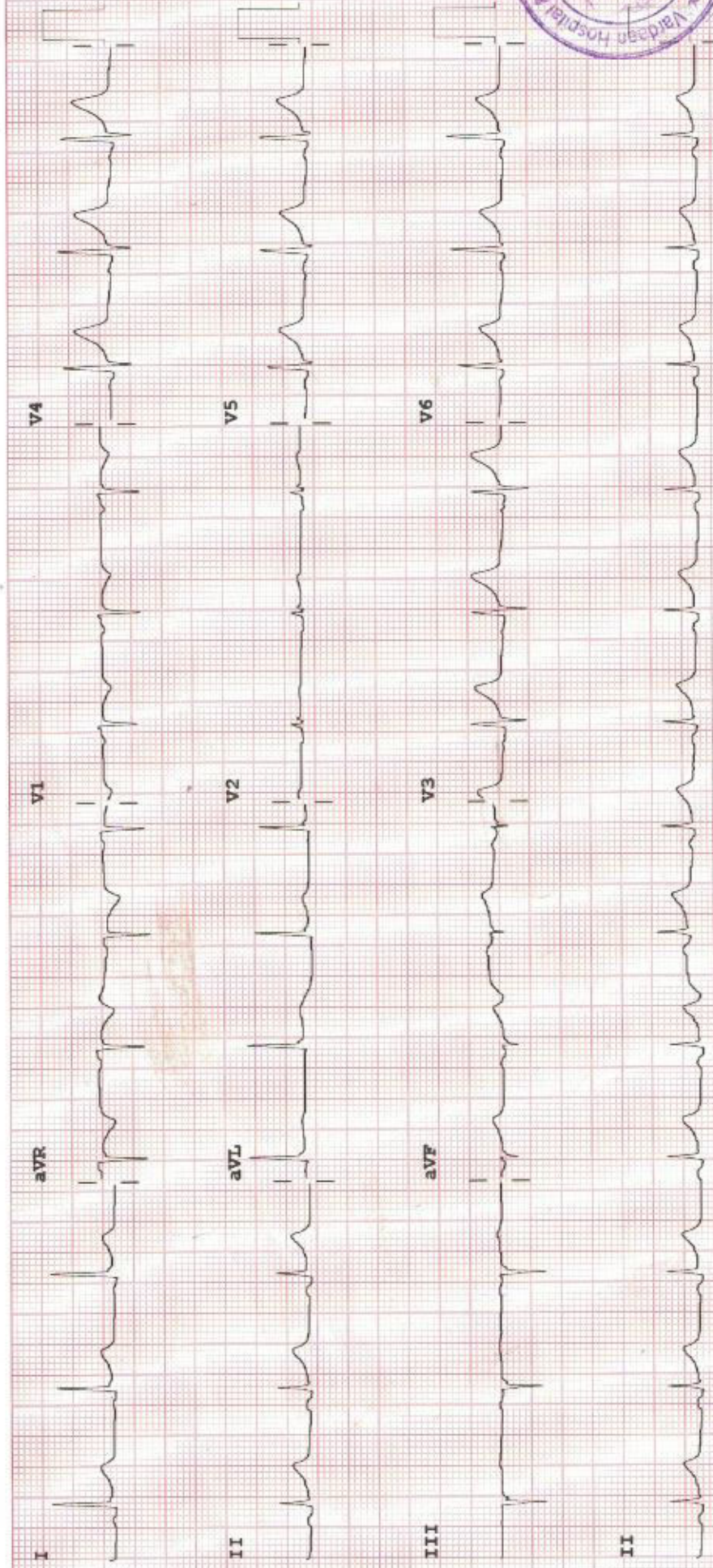
Rate 80 . Sinus rhythm.....normal P axis, V-rate 50- 99
. RSR' in V1 or V2, probably normal variant.....small R' only
. ST elev, probable normal early repol pattern.....ST elevation, age<55

--AXIS--
P 55
QRS -1
T 37

12 Lead; Standard Placement

- - OTHERWISE NORMAL ECG -

Unconfirmed Diagnosis



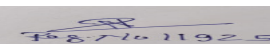
SINGH PATH LAB
DEPARTMENT OF LABORATORY SCIENCES

Patient Name	Mr. PUROSHOTTAM KUMAR	RIS No	21065
UHID/IP No	11859 / 1455	Sample Date	28/01/2023 9:57AM
Age/Gender	35 Yrs/Male	Receiving Date	28/01/2023 12:01PM
Bed No/Ward	OPD	Report Date	28/01/2023 4:09PM
Referred By		Report Status	Final

BIOCHEMISTRY

Test Name	Result	Unit	Biological Ref. Range	Method
HBA1C				
GLYCOSYLATED Hb - (HbA1C)	5.8	%	< 6	
KIDNEY FUNCTION TEST (KFT)				
Sample: Serum				
UREA	31	mg/dl	19 - 43	
Creatinine	1.1	mg/dl	0.70 - 1.40	
Uric Acid	6.0	mg/dl	2.00 - 7.00	
Sodium (Serum)	140.2	mmol/L	135 - 145	
Potassium (Serum)	4.5	mmol/L	3 - 5	
Chloride (Serum)	99.6	mmol/L	98 - 108	
Cholesterol-Total	175		140.0 - 250.0	
HDL	45.75		40.0 - 60.0	
Triglycerides	104		< 150.0	
VLDL - Cholesterol	20.8	mg/dl	10 - 150	
LDL	108.45 H		< 100	
LIVER FUNCTION TEST (LFT)				
Sample: Serum				
Bilirubin Total	0.5	mg/dl	0.20 - 1.30	
Bilirubin Direct	0.2	mg/dl	< 0.20	
Bilirubin Indirect	0.3	mg/dl	0 - 1	
AST/SGOT	32	U/L	0 - 45	
ALT/SGPT	38		0.0 - 45.0	
Total Protein.	6.7		6.3 - 8.2	
Albumin	4.2	g/dl	3.50 - 5.20	
Globulin	2.5	g/dl	2.0 - 3.5	
A/G Ratio (Albumin/Globulin Ratio)	1.68		1 - 2	
Alkaline Phosphatase	75	U/L	40 - 129	
Blood Sugar (Fasting)	72		70 - 100	

Mr. RAMBRIKSH KUMAR
Select


Dr. NAND JI SINGH
MBBS,MD,PATHO
Select

SINGH PATH LAB
DEPARTMENT OF LABORATORY SCIENCES

Patient Name	Mr. PUROSHOTTAM KUMAR	RIS No	21065
UHID/IP No	11859 / 1455	Sample Date	28/01/2023 9:57AM
Age/Gender	35 Yrs/Male	Receiving Date	28/01/2023 12:01PM
Bed No/Ward	OPD	Report Date	28/01/2023 4:09PM
Referred By		Report Status	Final

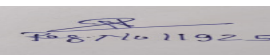
BLOOD GLUCOSE - POST PRANDIAL

BLOOD GLUCOSE - POST PRANDIAL 116 mg/dl

--End Of Report--

Mr. RAMBRIKSH KUMAR

Select


7871011925

Dr. NAND JI SINGH
MBBS,MD,PATHO

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HAEMATOLOGY

Test Name	Result	Unit	Biological Ref. Range	Method
ESR				
Sample: W. B. EDTA				
ESR (Erythrocyte Sed.Rate)	09		0 - 15	
COMPLETE BLOOD COUNT				
Sample: W. B. EDTA				
WBCS	10300	10 ³ /uL	4000 - 11000	
RBC Count (Red Blood Cell)	4.70		4.50 - 5.50	
Packed Cell Volume (PCV)	37.7 L		40.0 - 50.0	
Mean Corpuscular Volume(MCV)	80.2 L		83.0 - 101.0	
MCH	26.8 L		27.0 - 32.0	
MCHC	33.4		31.5 - 34.5	
Platelet Count	2.20		1.50 - 5.50	
Neutrophil.	63		40 - 80	
Lymphocyte %	24		20 - 55	
Monocytes %	05		1 - 12	
Eosinophil %	08 H		0 - 6	
Basophil %	00		0 - 2	
HAEMOGLOBIN	12.6	gm/dl	12 - 15	

--End Of Report--

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HARMONAL

Test Name	Result	Unit	Biological Ref. Range	Method
T3 T4 TSH(THYROID PROFILE)				
Sample: Serum				
T3-TRIIODOTHYRONINE	2.17	uU/ml	0.95 - 2.50	
T4-THYROXINE	96.86	uU/ml	66.00 - 181.00	
TSH-Thyroid Stimulating Hormone	1.86	uU/ml	0.250 - 5.000	

INTERPRETATION:-

Triiodothyronine (T3) is a hormone synthesized and secreted from the thyroid gland, and formed by peripheral deiodination of thyroxine(T4).T3 and T4 are secreted into the circulation in response to thyroid stimulating hormone (TSH) and play an important role in regulating metabolism.

Free T3 levels correlate with T3 secretion and metabolism.In hypothyroidism and hyperthyroidism, free T3 levels parallel changes in total T3 levels.2 However, measuring free T3 is useful when altered levels of total T3 occur due to changes in T3binding proteins,especially TBG. TBG levels remain relatively constant in healthy individuals,but certain conditions such as normal pregnancy and steroid therapy can alter these levels. In these conditions, free T3 levels are unchanged, while total T3 levels parallel the changes in TBG.

Thyroxine (3,5,3'5'-tetra iodothyronine, L-thyroxine or T4) is a hormone synthesized and secreted by the thyroid gland and plays an important role in regulating metabolism.Secretion into the circulation is in response to the pituitary hormone TSH (Thyroid stimulating hormone) and is regulated by a negative feedback mechanism involving the thyroid gland, pituitary gland and hypothalamus.In the circulation, 99.95%of T4 is reversibly bound to transport proteins, primarily thyroxin-binding globulin (TBG) and to a lesser extent albumin and thyroxine-binding prealbumin (TBPA). The remaining T4 is not bound to transport proteins, but is free in the circulation. This unbound fraction, or free T4 (FT4), is both metabolically active and a precursor to tri-iodothyronine(T3). Free T4 levels correlate with T4 secretion and metabolism. IN hypothyroidism and hyperthyroidism,FT4 levels parallel changes in total T4 levels. Measuring free T4 is useful when altered levels of total T4 occur due to changes in T4 binding proteins, especially TBG. TBG levels remain relatively constant in healthy individuals, but certain conditions, such as pregnancy and steroid therapy, can alter these levels.In these conditions,free T4 levels are unchanged, while T4 levels parallel the changes in TBG

TSH is synthesized and secreted by the anterior pituitary in response to a negative feedback mechanism involving concentrations of FT3 (free T3) and FT4(free T4).

Mr. LAWLESH KUMAR


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Additionally, the hypothalamic tripeptide ,thyrotropin-releasing hormone (TRH), directly stimulates TSH production. TSH stimulates the thyroid gland to synthesize and secrete T3 and T4. TSH levels are significantly elevated, while in secondary and tertiary hypothyroidism, TSH levels are low. TSH assays with increased sensitivity and specificity provide a primary diagnostic tool to differentiate hyperthyroid from euthyroid patients.

--End Of Report--