

Dr. Vandana G. Powar **M.B.B.S., D.C.P.**
Consultant Pathologist



PARTH
PATHOLOGY LABORATORY
(Computerised)

LAB - Shop No. 7, "Diwan Towers" Mangalwar Peth, Near Mirajkar Tikli, Opp. Nutan Marathi
High School, Kolhapur. Mob. 9158529408, 9422047480, 9921285167

DATE – 12/08/2023

PATIENT NAME- PARAG KULKARNI

AGE – 31Y/MALE

HEIGHT – 160 cm

WEIGHT – 60 kg

BLOOD PRESSURE - 127 /74 mmHg

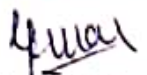
PULES – 61/ Min

FIT TO PERFORM ALL DUTIES

Dr. Vandana G. Powar
M.B.B.S., D.C.P.
Reg No 68137



PATHOLOGIST


DR. VANDANA POWAR
M.B.B.S., D.C.P.

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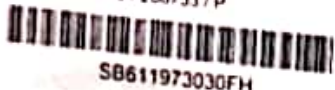
भारतीय विशिष्ट ओळख प्रणाली

भारत सरकार
Unique Identification Authority of India
Government of India

नोंदविण्याचा क्रमांक / Enrollment No : 2006/09095/11880

To,
पराग राजाराम कुंभारणी
Parag Rajaram Kulkarni
S/O: Rajaram Digambar Kulkarni
Flat No 106 Tukaram Apartment
Mhasoba Gali
Shivaji Peth
Kolhapur City
Kolhapur City Karve Kolhapur
Maharashtra 416012
8149200700

Ref: 960 / 10N / 206645 / 206733 / P



SB611973030FH



आपला आधार क्रमांक / Your Aadhaar No. :

8055 5020 6807

माझे आधार, माझी ओळख



भारत सरकार
Government of India



पराग राजाराम कुंभारणी
Parag Rajaram Kulkarni
जन्म तारीख / DOB 30/11/1989
पुरुष / Male



8055 5020 6807

माझे आधार, माझी ओळख



Dr. Vandana G. Powar
M.B.B.S., D.C.P.
Reg No. 68137

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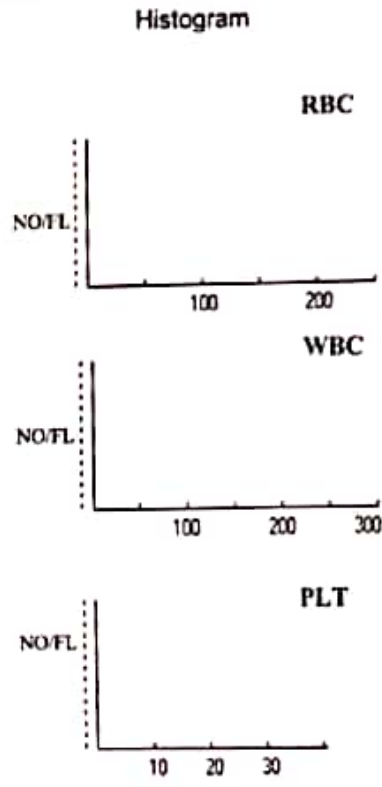
B - Shop No. 7, "Diwan Towers" Mangalwar Peth, Near Mirajkar Tikti, Opp. Nutan Marathi High School, Kolhapur. Mob. 9158529408, 9422047480, 9921285167

NAME : MR. PARAG KULKARNI
REF BY : Dr. MEDIWHEEL LIFE INS

DATE : 12/08/2023 PT.NO. : 202 12082
AGE : 31. Yrs. SEX : M

HAEMOGRAM WITH INDICES

Test	Result	Units	Normal Range
Haemoglobin	15.0	g/dl	14-18
RBC Count	4.90	millions / cu-mm	4.5 - 6.5
PCV	44.1	%	40 - 54
MCV	90	fL	80 - 96
MCH	30.6	Pg	27 - 33
MCHC	34	gm/dl	33 - 36
RDW CV	13.3	%	11.0 - 14.5
WBC Count	6800	/cumm	4000 - 11000
Neutrophils	55	%	40 - 75
Lymphocytes	40	%	20 - 40
Eosinophils	03	%	1 - 6
Monocytes	02	%	2-10
Basophils	00	%	0 - 1
Platelet Count	276000	/ul	150000 - 450000
MPV	10.4	fL	7.4 - 10.4
PDW	13.3	%	8-12
P-LCR	28.2	%	15-35
E.S.R.	09	mm at 1hr	0-10
(By Wintrobe Method)			
RBC Morphology	Normochromic, Normocytic.		
WBC Morphology	Within Normal Limits		
Platelets	Adequate		
* Blood group	- 'A' Rh Positive		



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PT. NAME : MR. PARAG KULKARNI
REF. BY : DR. MEDIWHEEL LIFE INS

DATE : 12/08/2023
AGE : 31 Yrs. SEX : M
PT. NO. : 202 120823

BIOCHEMISTRY TEST REPORT

			<u>Normal Range</u>
Fasting Plasma Glucose	: 93.3	mg/dl	60-110 mg/dl
2 Hrs. Plasma Glucose	: 116.0	mg/dl	90-140 mg/dl
S. Creatinine	: 0.9	mg/dl	0.7 - 1.4 mg/dl
Blood Urea	: 28.7	mg/dl	12-42 mg/dl
Blood Urea Nitrogen	: 13.41	mg/dl	5 - 21 mg/dl
S. Uric acid	: 4.9	mg/dl	3.5 -7.2 mg/dl
CHOLESTEROL	: 159.4	mg/dl	0-250 mg/dl
HDL Cholesterol	: 33.7	mg/dl	30 - 70 mg/dl
S. Triglycerides	: 80.9	mg/dl	0-170 mg/dl
LDL Cholesterol	: 109.5	mg/dl	60 - 150 mg/dl
TC/HDLC Ratio	: 4.7		0 - 5
LDLC/HDLC Ratio	: 3.2		2.5 - 3.5

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PT. NO. : 202 120823

BIOCHEMISTRY TEST REPORT

			Normal Range
S. Bilirubin (Total)	: 0.27	mg/dl	0 - 1.0 mg/dl
S. Bilirubin (Direct)	: 0.18	mg/dl	0 - 0.25 mg/dl
S. Bilirubin (Indirect)	: 0.09	mg/dl	0 - 0.75 mg/dl
S.G.O.T	: 22.9	IU/L	5-40 IU/L
S.G.P.T	: 19.8	IU/L	5-40 IU/L
S. Alkaline Phosphatase	: 97.8	IU/L	37 - 147 IU/L
Total Proteins	: 7.8	g/dl	6.6 - 8.3 g/dl
S. Albumin	: 4.7	g/dl	3.5 - 5.0 g/dl
S. Globulin	: 3.1	g/dl	1.5 - 3 g/dl
A/G Ratio	: 1.5 : 1		0.90 - 2.00

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AGE : 31 Yrs. SEX : M
PT. NO. : 202 120823

REPORT ON % GLYCOHAEMOGLOBIN OF BLOOD

% Glycohaemoglobin of blood : 4.9 %
Estimated mean blood glucose : 94.7 mg/dl

(Reference For Guideline)

- < 6.0 - Normal
- 6.0 - 7.0 % - Good Control
- 7.0 - 8.0 % - Fair Control
- 8.0-10.0% - Unsatisfactory control
- >10.0% - Poor control

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REF. BY : DR. MEDIWHEEL LIFE INS

DATE : 12/08/2023
AGE : 31 Yrs. SEX : M
PT. NO. : 202 120823

EXAMINATION OF URINE

Normal Range

PHYSICAL EXAMINATION

Quantity : 05 ml
Colour : Pale Yellow
Appearance : Clear
Deposit : Absent
Reaction (pH) : Acidic
Specific Gravity : 1.024

1.003 - 1.035

CHEMICAL EXAMINATION

Proteins : Absent
Glucose : Absent
Ketone Bodies : --
Bile Salts : Absent
Bile Pigments : Absent
Urobilinogen : --
Occult Blood : Absent

Absent
Absent

MICROSCOPIC EXAMINATION

Epithelial Cells : 1 - 2 /hpf
Pus Cells : 2 - 3 /hpf
Red Blood Cells : Absent /hpf
Casts : Absent
Crystals : Absent
Amorphous Deposits : Absent

OTHER FINDINGS

Yeast Cells : Absent
Trichomonas vaginalis : Absent
Bacteria : Absent
Mucus Threads : Absent
Spermatozoa : Absent

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PATIENT NAME:- PARAG KULKARNI

AGE - 31/SEX/MALE

REFERANCE :- MEDWHEEL LIFE INS.

DATE - 12/08/2023

BIOCHEMISTRY

NORMAL VALUE

SERUM GAMMA. G. T : 25.9 mmol/L

10-50 mmol / L

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PATIENT NAME:- PARAG KULKARNI

AGE - 31/SEX- MALE

REFERANCE :- MEDIWHEEL LIFE INS.

DATE - 12/08/2023

BIOCHEMISTRY

		NORMAL VALUE
SERUM VLDL	32.4 mmol/L	10-50 mmol / L

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Name _____ Age _____ M/F _____ mmHg _____ 10mm/mV _____ 25mm/s _____ 0.1-35 Hz BLC _____ 70bpm



CLARITY TEST IAR 10:33:37 12/08/2023 ClarityMed ECG-100C Dr: _____

Name Parag Kulkarni
 Age 31 Yrs, Ht. _____ cms, Wt. _____ Kg
 Sex M/M, BP _____ mmHg
 Heart Rate 70 BPM

Interpretation Report For ADULT

Sinus Rhythm
 Normal ECG



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 M.B.B.S., D.C.P.
 Reg No. 68137

Unconfirmed Report
 Dr: _____

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 Reg No. 68137

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PS: Not for medico legal purposes.

wa

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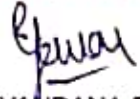
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12/08/2023

**THE ECG OF CLIENT- PARAG KULKARNI
IS WITHIN NORMAL LIMIT**

NO ABNORMAL FINDINGS ARE DETECTED

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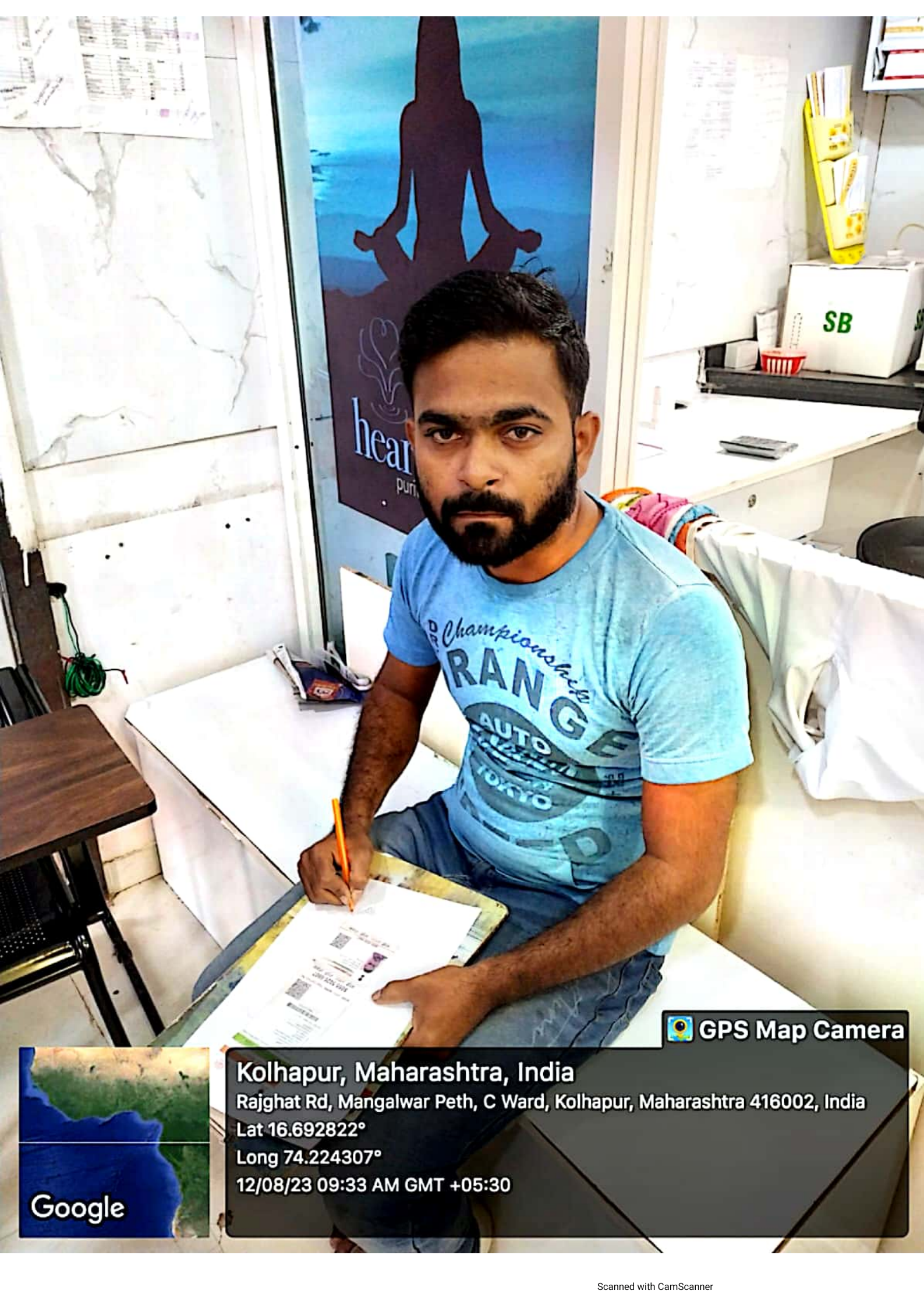



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 **GPS Map Camera**

Kolhapur, Maharashtra, India

Rajghat Rd, Mangalwar Peth, C Ward, Kolhapur, Maharashtra 416002, India

Lat 16.692822°

Long 74.224307°

12/08/23 09:33 AM GMT +05:30





SWARA DIGITAL

X- RAY

All Types Of Digital, Portable X-rays And Procedural X-rays

PATEINT NAME : MR PARAG KULKARNI

AGE/SEX : 31Y/MALE

REF BY : PARTH LAB

DATE : 12/08/2023

CHEST X-RAY (PA)

Both lungs fiekds are normal

Both costophrenic angles appear normal

The tracheal lucency is centrally placed

The mediastinal & diaphragmatic outlines appear normal.

The heart shadow is normal

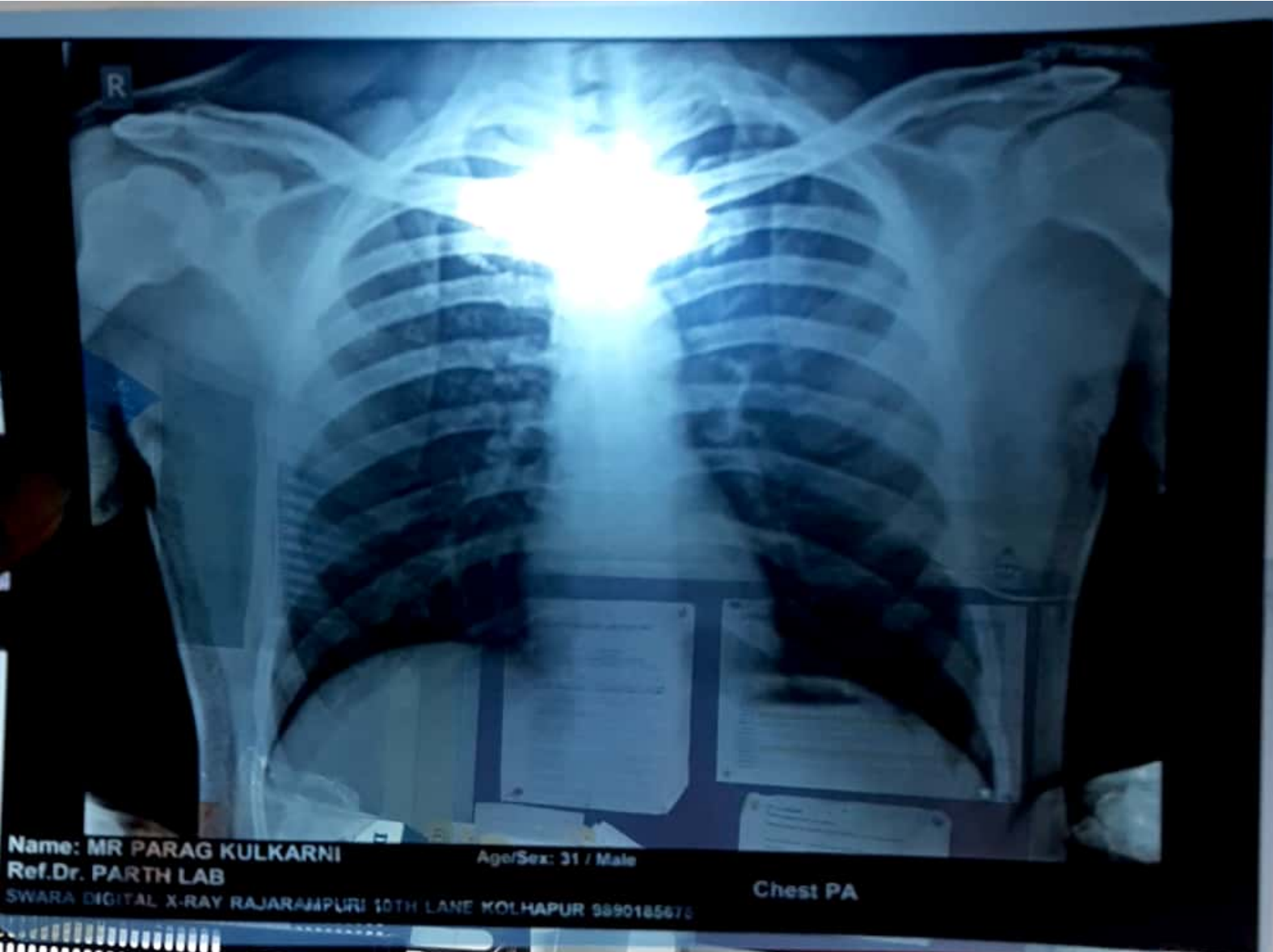
Normal chesr xray

ADV: Clinical correlated


DR SAKSHAM GUPTA
MBBS, MD Radio diagnosis FMF UK
Consultant Radiologist

Mob. 9890185675

Address : Bramhanand, Near Tawanappa Patno High School, Rajarampuri 10 Galli, Kolhapur.



Patient Name : MR. PARAG KULKARNI

Date : 12 Aug 2023

Referred By : Dr. VANDANA POWAR

Age : 34 YEARS Sex : M

Clinically –FOR HEALTH CHECK UP.

Abdomen Sonography

LIVER : is normal in size, shape, position and shows increased echogenicity. The contours are smooth. The parenchyma shows homogeneous echotexture. The intra – hepatic portal and venous system appears normal. The portal vein is normal and show hepatopetal flow. The intra-hepatic biliary radicals are not dilated. There is no focal mass lesion.

GALL BLADDER : is physiologically distended, normal in size and echotexture. There is no evidence of echoreflexive calculus in gall bladder. There is no abnormal biliary tree dilation noted. The portal vein & C.B.D appear normal. Wall thickness is normal. No e/o cholecystitis/calculus seen. PV measures -11 mm, CBD measures – 3 mm.

PANCREAS : is normal size, position & echotexture. The contours are smooth. There is no focal mass lesion seen. No pancreatitis or calcification.

SPLEEN : is normal in size, shape and echopattern. The contours are smooth. The splenic vein and portal vein are normal in calibre.

KIDNEYS : Both the kidneys are normal in size, shape and position and contours. There is no echoreflexive obstructing calculus seen on either sides nor hydronephrosis. Both visualized ureters appear to be normal. Parenchymal/cortical thickness is normal. Cortico -medullary differentiation is well maintained. Overlying bowel gases does not show further course of ureter. **Right kidney** measures- 95 X 39 mm, **Right kidney** shows simple cyst of size 18 x 16 mm in mid pole. **Left kidney** measures – 96 X 44 mm.

Urinary bladder is physiologically distended, appears normal. No intraluminal abnormality.

PROSTATE : is normal size and uniform echotexture, measures 32X 34 X39 mm (weight-23gms). The gland bulges urinary bladder base.

Aorta and IVC are normal. No e/o free fluid in peritoneal cavity. No ascites. No significant lymphadenopathy. Bowel loops appear normal in size with good peristalsis.

Appendix is not appreciated in today's study. Terminal ileum is well seen.

No probe tenderness in right iliac fossa or anywhere in abdomen.

IMPRESSION : < FATTY INFILTRATION OF LIVER.

ADVICE - Clinical correlation and follow up if clinically needed.

THANKS FOR REFERRAL.FEEDBACK IS WELCOME


DR. NEHA S. GHORPADE
MBBS DMRE Reg. No. 79916
Consulting Radiologist

डॉ. नेहा घोरपडे
एम. बी. बी. एस्., डी. एन्. आर. ई. (रिडियोलॉजिस्ट)
रजि. नं. 79916

परत येताना सर्व जुने रिपोर्ट्स, सोनोग्राफी रिपोर्ट्स अथवा एक्स-रे असल्यास बरोबर घेऊन येणे.



MYO-CLINIC MEDICAL CENTRE, KOLHAPUR [+91 9307257414]

Name: PARAG RAJARAM KULKARNI

Date: 12-08-2023 Time: 17:59

Age: 33 Gender: M Height: 160 cms Weight: 60 Kg ID: 336

Clinical History: NO MAJOR ILLNESS

Medications: NOT ON ANY MEDICATION

Test Details:

Protocol: Bruce Predicted Max HR: 187 Target HR: 158 (85% of Pr. MHR)

Exercise Time: 0:07:04 Achieved Max HR: 161 (86% of Pr. MHR)

Max BP: 140/90 Max BP x HR: 22540 Max Mets: 7.9

Test Termination Criteria:

Protocol Details:

Stage Name	Stage Time	MEIS	Speed kmph	Grade %	Heart Rate bpm	BP mmHg	RPP	Max ST Level mm	Max ST Slope mV/s
Supine	00:11	1	0	0	83	120/80	9960	+3 V2	0.6 V2
Standing	00:15	1	0	0	73	120/80	8760	+4 V2	0.6 V2
HyperVentilation	00:10	1	0	0	82	120/80	9840	+3 V2	0.6 V2
PreTest	00:31	1	1.6	0	100	120/80	12000	+1 V3	0.5 V3
Stage 1	03:00	4.7	2.7	10	121	120/80	14520	+2 V2	0.8 V2
Stage 2	03:00	7	4	12	142	130/90	18460	-1.4 III	0.9 V2
Peak Exercise	04:04	7.9	5.5	14	161	130/90	20970	-1.8 III	1 V2
Recovery1	01:00	1	0	0	135	140/90	18900	+2.5 V2	+1.7 V2
Recovery2	01:00	1	0	0	108	130/90	14040	+1.7 V2	+1.6 V2
Recovery3	00:21	1	0	0	105	130/90	13650	+1.3 V2	+0.9 V2
Recovery4	00:05	1	0	0	103	130/90	13390	+1.4 V2	+1.2 V2

Interpretation

The Patient Exercised according to Bruce Protocol for 0:07:04 achieving a work level of 7.9 METS. Resting Heart Rate, initially 83 bpm rose to a max. heart rate of 161bpm (86% of Predicted Maximum Heart Rate). Resting Blood Pressure of 120/80 mmHg, rose to a maximum Blood Pressure of 140/90 mmHg

GOOD EFFORT TOLERANCE
 NORMAL INOTROPIC RESPONSE
 NORMAL CHRONOTROPIC RESPONSE
 THR ACHIEVED : ADEQUATE METS ACHIEVED
 NO SIGNIFICANT ST SEGMENT CHANGES NOTED IN EXERCISE AND RECOVERY
 TMT IS NEGATIVE FOR STRESS INDUCIBLE ISCHAEMIA AT GIVEN WORKLOAD

Ref. Doctor: MEDIVIL

SCHILLER

The Art of Diagnostics

DR. SHANTANU S. PALKAR

MBBS PGDCC

CLINICAL CARDIOLOGIST

MMC No. 2011040954

MYO-CLINIC MEDICAL CENTRE, KOLHAPUR [+91 9307257414]

PARAG RAJARAM KULKARNI (33 M)

Chart Speed: 25 mm/sec

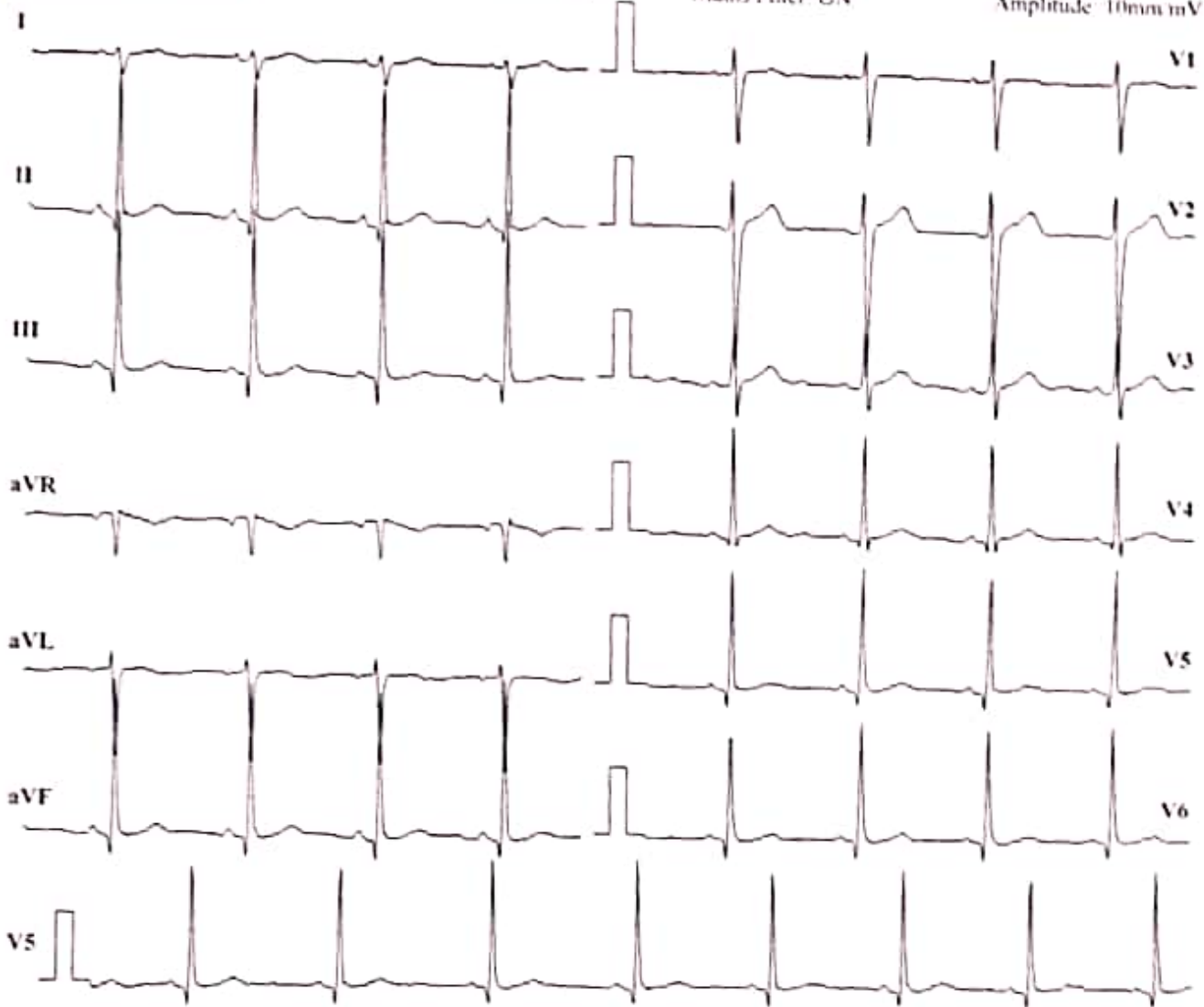
Filter: 35Hz

Date: 12-08-2023

Mains Filter: ON

Time: 17:58

Amplitude: 10mm/mV



ISO = R - 60 ms, J - R + 60 ms, Post J - J + 80 ms

Lead	P(mV)	Q(mV)	R(mV)	S(mV)	T(mV)
I	-0.01	0.03	-0.13	-0.28	0.13
II	-0.04	-0.12	2.19	0.53	0.16
III	-0.04	-0.16	2.36	0.76	0.03
aVR	0.04	0.04	-0.97	0.04	-0.21
aVL	0.01	0.11	-1.24	-0.51	0.07
aVF	-0.04	-0.15	2.29	0.63	0.08
V1	-0.03	0.01	-0.84	-0.68	0
V2	-0.07	0.09	-1.87	-1.37	0.33
V3	-0.07	-0.07	0.92	-0.48	0.25
V4	-0.03	-0.07	1.73	-0.03	0.16
V5	-0.04	-0.12	2.19	0.53	0.16
V6	-0.03	-0.07	1.49	0.88	0.08

Intervals (ms)

P-Q	Q-R-S	Q-T	Q-TC
56	56	288	335

Axis (deg)

P	QRS	T
69	-80	7

HR: 81 bpm

BP: 120/80 mmHg

Interpretation: NORMAL

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MMC No. 2011040954

MYO-CLINIC MEDICAL CENTRE, KOLHAPUR [+91 9307257414]

PARAG RAJARAM KULKARNI (33 M)

ID: 336

Stage: Supine

Date: 12-08-2023

Exec Time : 0:00:00

Stage Time: 00:11

HR: 83 bpm

BP: 120/80 mmHg

ST(Slope(mm) ST Slope(mV/s)

Bruce Protocol

Speed: 0 km/h

Slope: 0%

THR: 158 bpm

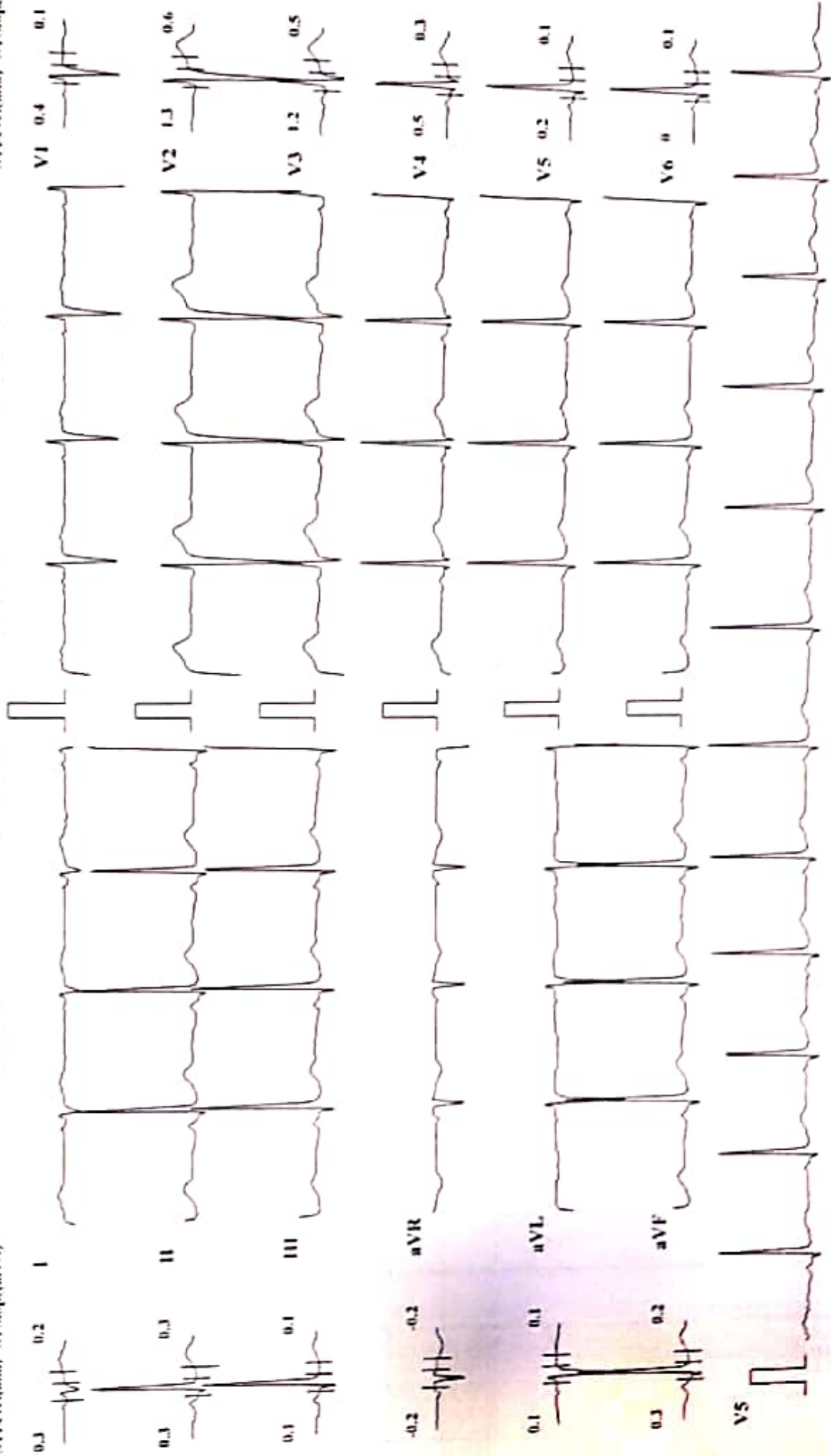


Chart Speed: 25 mm/sec

Amplitude: 10mm/mV

Filter: 35 Hz Mains Filter: ON

ISO - R - 60 ms, Post I - J - 80 ms

Schiller Cardiofit C-10 Version 3.4

MYO-CLINIC MEDICAL CENTRE, KOLHAPUR [+91 9307257414]

PARAG RAJARAM KULKARNI (33 M)

Bruce Protocol

ID: 336

STLevel(mm) STSlope(mV/s)

Stage: Standing

Date: 12-08-2023

Exec Time : 0:00:00

Stage Time: 00:15

HR: 73 bpm

BP: 120/80 mmHg

STLevel(mm) STSlope(mV/s)

Slope: 0 %

THR: 158 bpm

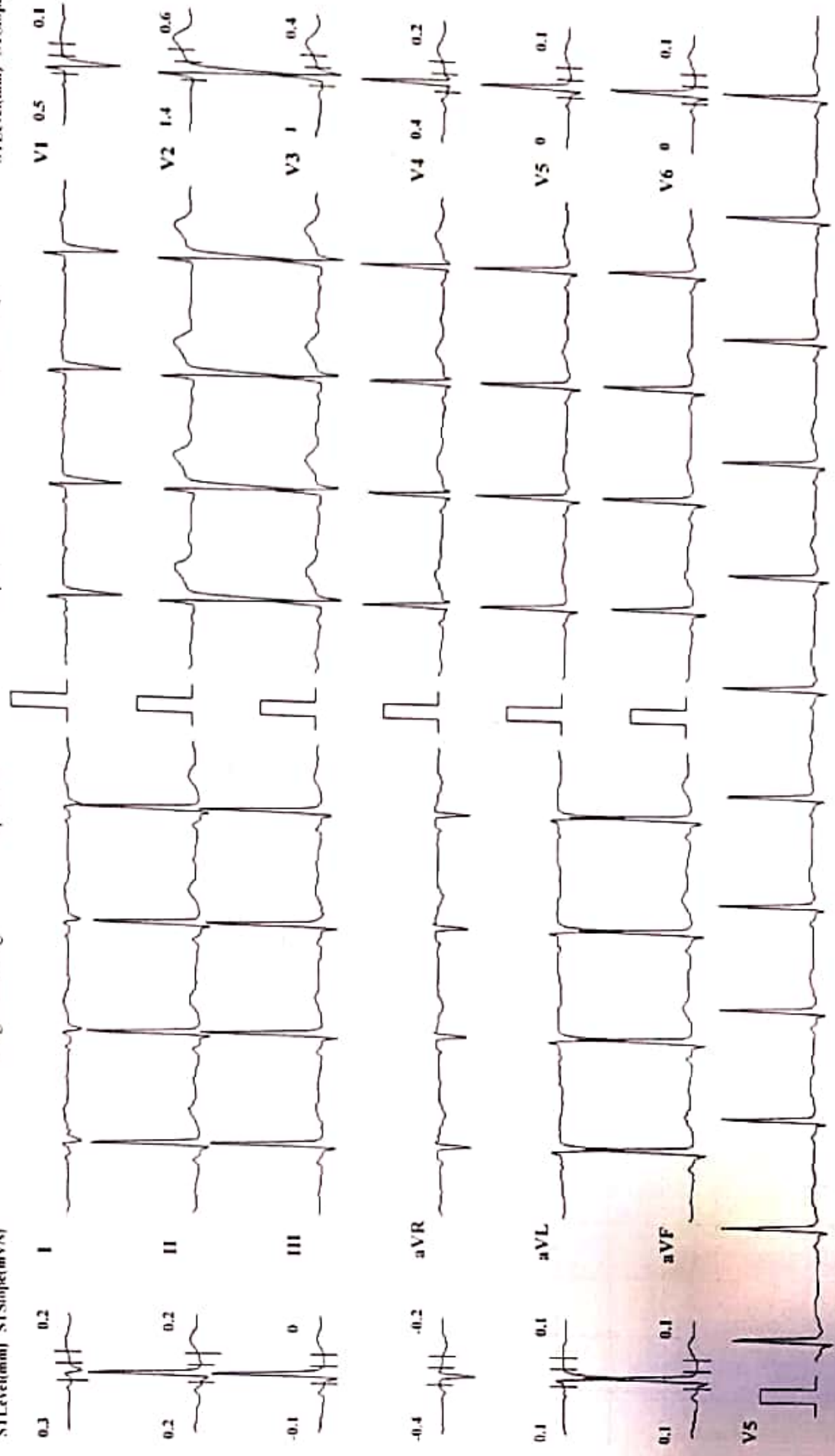


Chart Speed: 25 mm/sec

Amplitude: 10mm/mV Filter: 35 Hz Mains Filter: ON ISO - R - 60 ms, J - R + 60 ms, Post J - J + 80 ms

Schiller CardioIT CS-10 Version 3.4

MYO-CLINIC MEDICAL CENTRE, KOLHAPUR [+91 9307257414]

PARAG RAJARAM KULKARNI (33 M)

ID: 336

Bruce Protocol

STLevel(mm) STSlope(mV/s)

Date: 12-08-2023

Exec Time : 0:00:00

Stage Time: 00:10

Slope: 0 %

THR: 158 bpm

HR: 82 bpm

BP: 120/80 mmHg

STLevel(mm) STSlope(mV/s)

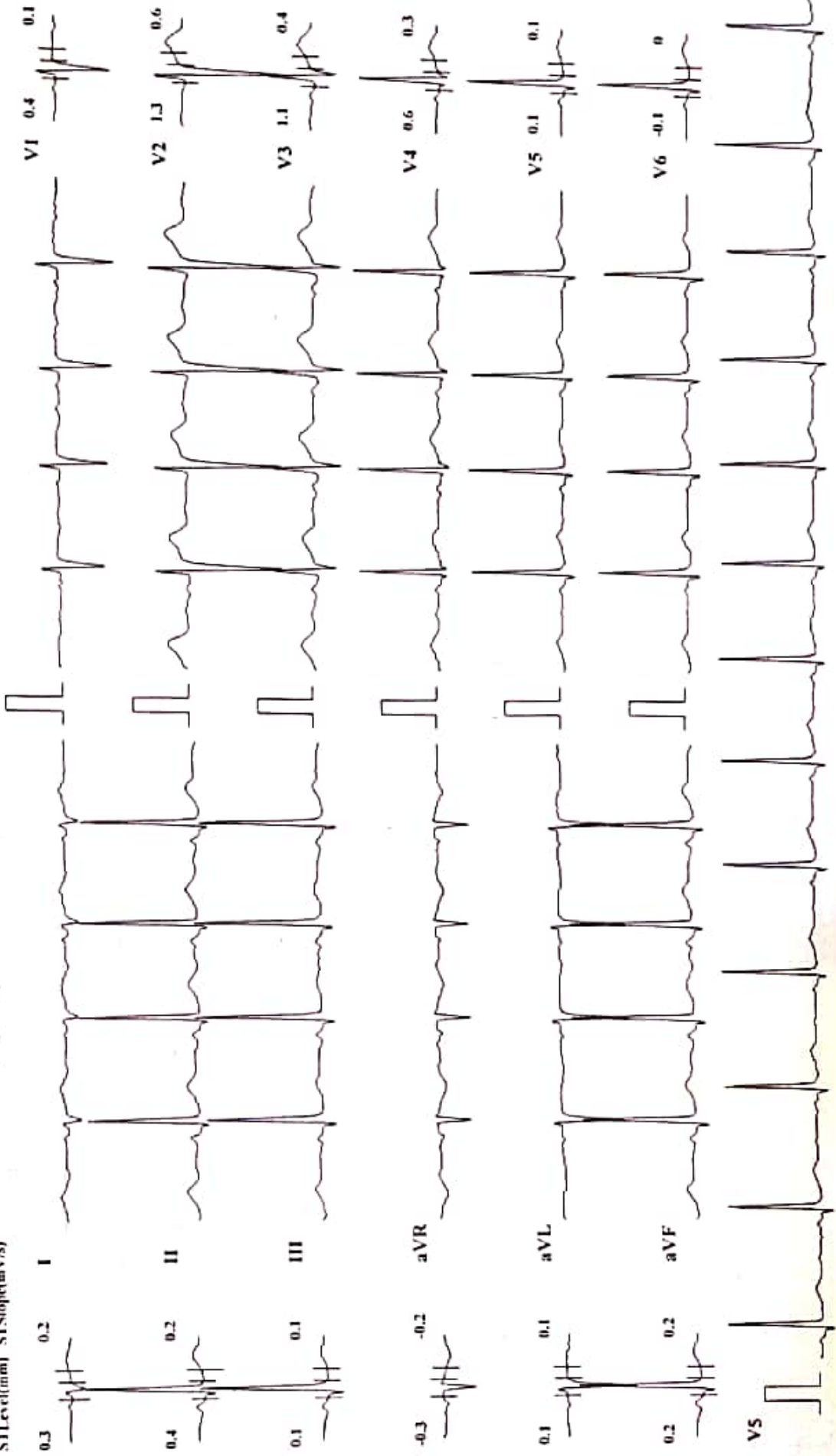


Chart Speed: 25 mm/Sec

Amplitude: 10mm/mV Filter: 35 Hz Mains Filter: ON ISO = R - 60 ms. J - R + 60 ms. Post J - J + 80 ms

Schiffert Cardiovit CS-10 Version 3.4

MYO-CLINIC MEDICAL CENTRE, KOLHAPUR [+91 9307257414]

PARAG RAJARAM KULKARNI (33 M)

Bruce Protocol
ST1 (v1mm) ST Slope (mV/s)

Date: 12-08-2023

Speed: 2.7 kmph

Exec Time: 0:03:00

Slope: 10 %

Stage Time: 03:00

THR: 158 bpm

HR: 121 bpm

BP: 120/80 mmHg

ST1 (v1mm) ST Slope (mV/s)

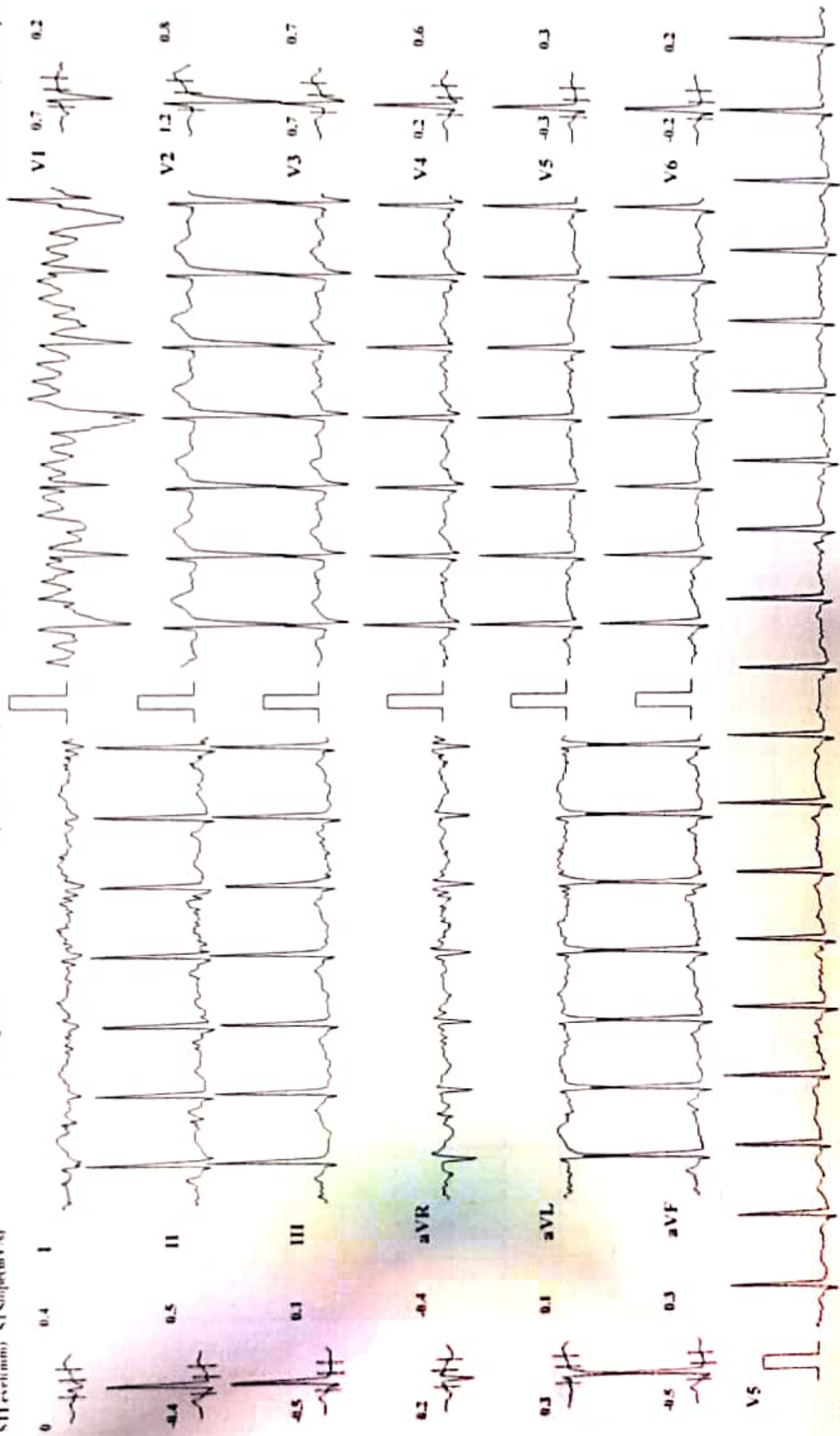


Chart Speed: 25 mm/sec

Amplitude: 10mm/mV

Filter: 35 Hz Mains Filter: ON

ISO = R - 60 ms, J = R + 60 ms, Pvd J = J + 80 ms

Schiller Cardiovit CS-10 Version 3.4

MYO-CLINIC MEDICAL CENTRE, KOLHAPUR [+91 9307257414]

PARAG RAJARAM KULKARNI (33 M)

Bruce Protocol

ID: 336

Stage: 2

HR: 142 bpm

BP: 130/90 mmHg

STLevel(mm) STSlope(mV/s)

Exec Time: 0:06:00

Stage Time: 03:00

THR: 158 bpm

Date: 12-08-2023

Speed: 4 kmph

Slope: 12 %

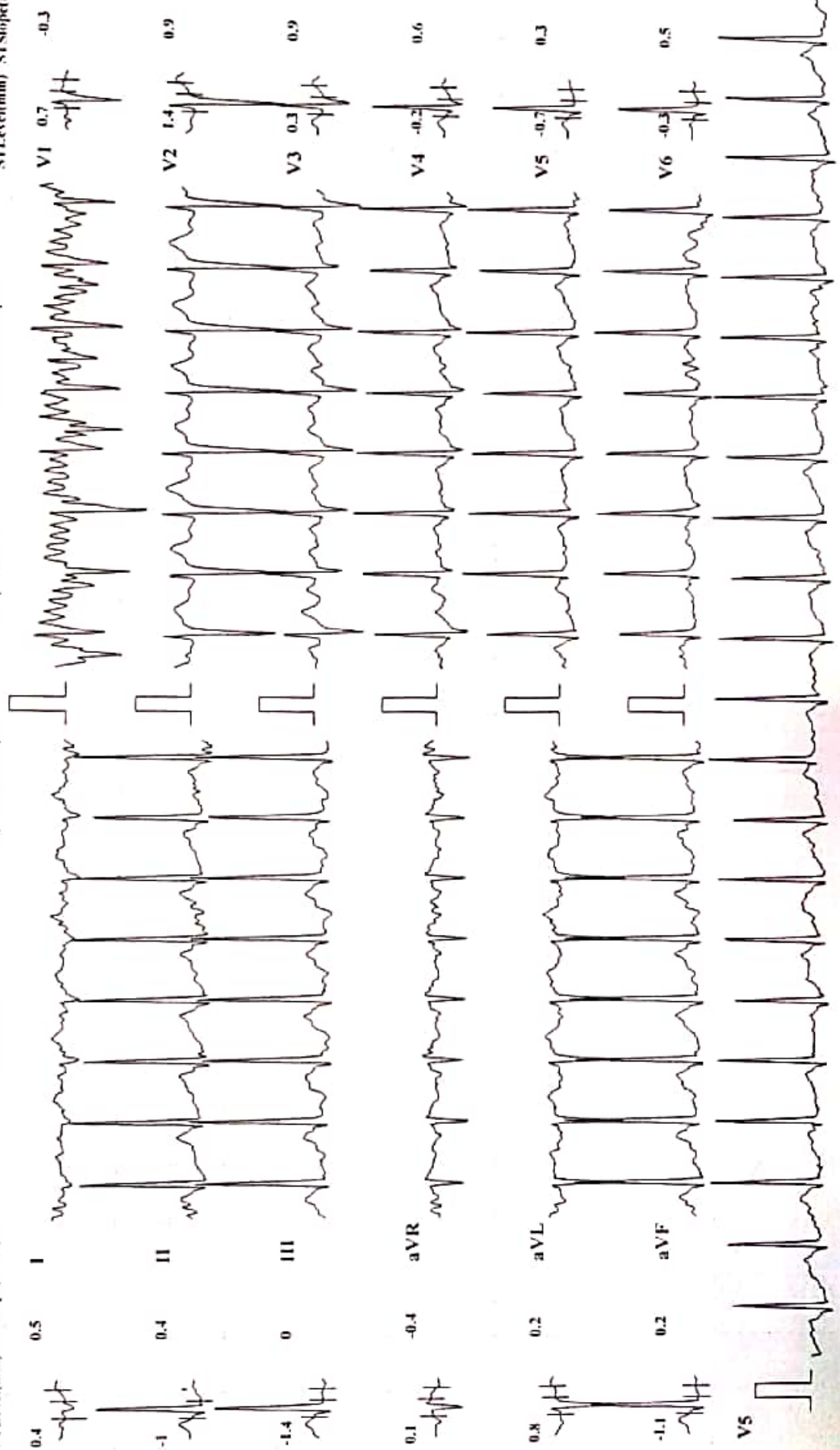


Chart Speed: 25 mm/sec

Amplitude: 10mm/mV

Filter: 35 Hz Mains Filter: ON

ISO = R - 60 ms, J = R + 60 ms, Post J = J + 80 ms

Schiller Cardioit CS-10 Version 3.4

MYO-CLINIC MEDICAL CENTRE, KOLHAPUR [+91 9307257414]

PARAG RAJARAM KULKARNI (33 M)

ID: 336

HR: 161 bpm

Bruce Protocol

Exec Time : 0:07:04

Date: 12-08-2023

Stage: 3 Peak Exercise

ID: 336

Speed: 5.5 kmph

Slope: 14 %

Stage Time: 01:04

THR: 158 bpm

BP: 130/90 mmHg

STLevel(mm) STSlope(mV/s)

STLevel(mm) STSlope(mV/s)

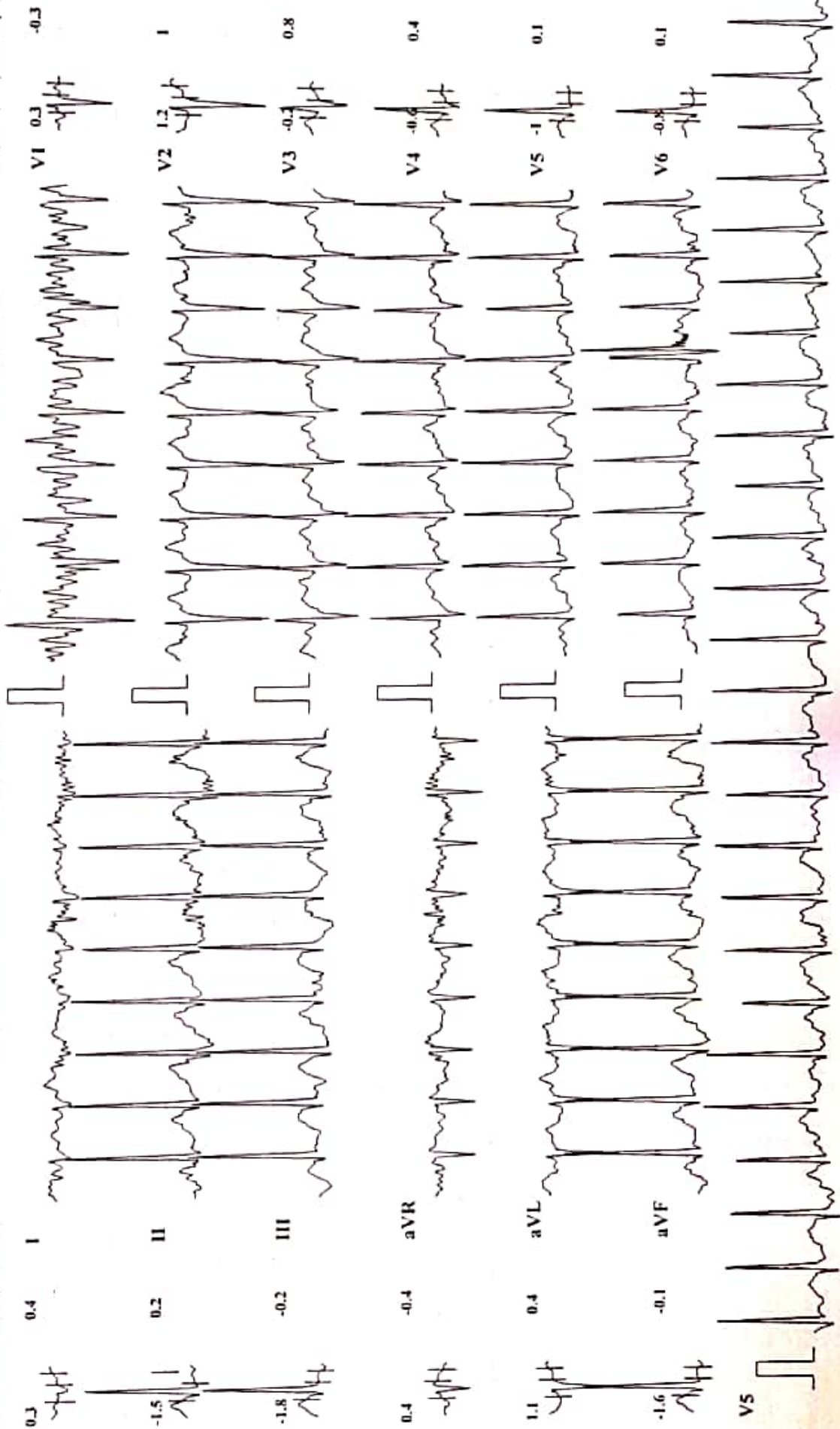


Chart Speed: 25 mm/sec

Amplitude: 10mm/mV

Filter: 35 Hz

Mains Filter: ON

ISO = R - 60 ms, J = R + 60 ms, PostJ = J + 80 ms

Schiller Cardiovit CS-10 Version 3.4

MYO-CLINIC MEDICAL CENTRE, KOLLIAPUR | +91 9307257414 |

PARAG RAJARAM KULKARNI (33 M)

ID: 336

Bruce Protocol

Stage: Recovery I

Date: 12-08-2023

Exec Time: 00:00

Stage Time: 01:00

HR: 135 bpm

BP: 140/90 mmHg

STLevel(mm) STSlope(mV/s)

THR: 158 bpm

Slope: 0 %

STLevel(mm) STSlope(mV/s)

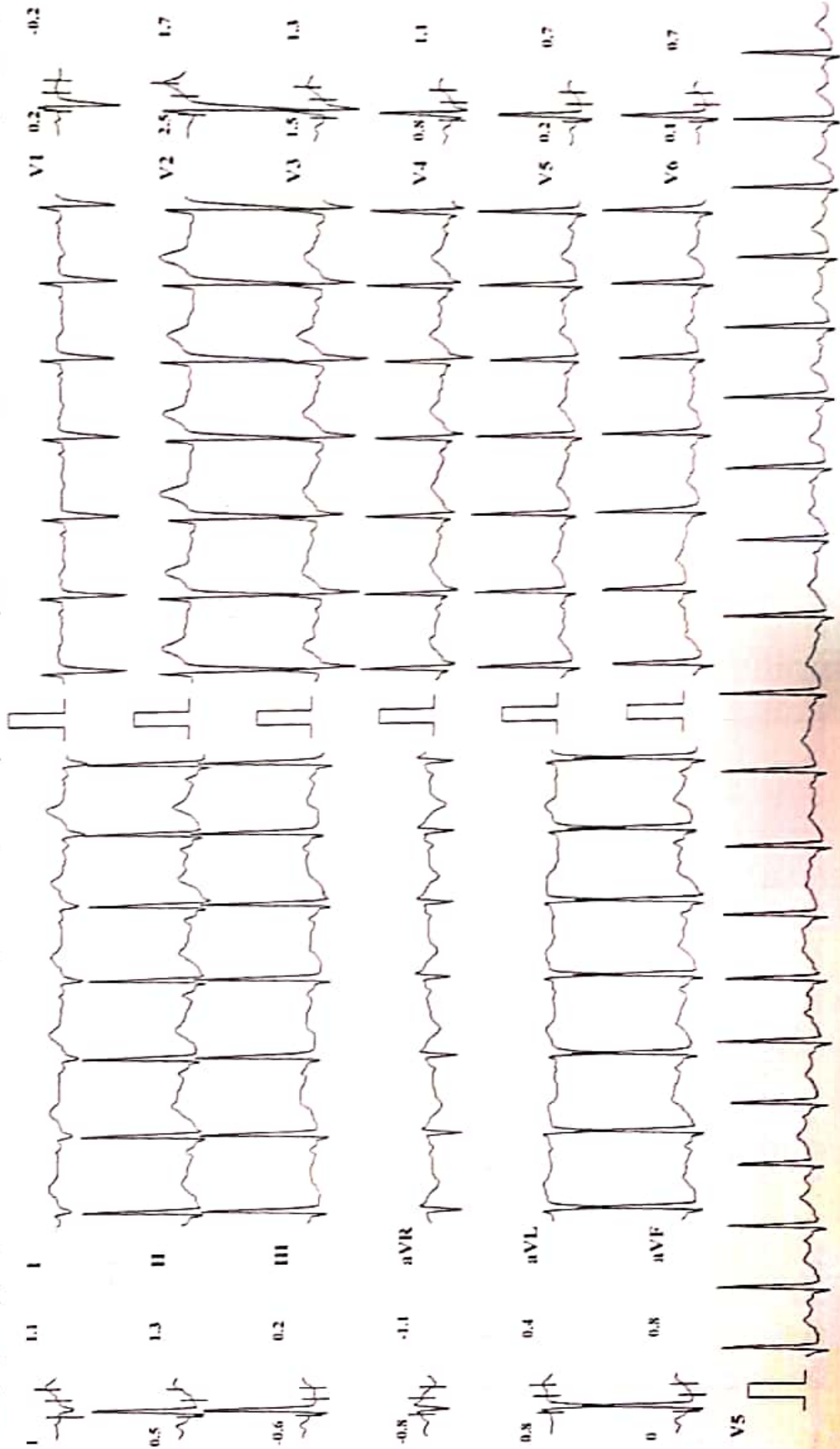


Chart Speed: 25 mm/sec

Amplitude: 10mm/mV Filter: 35 Hz Mains Filter: ON

ISO = R + 60 ms, J = R + 60 ms, Post J = J + 80 ms

Scholer Cardiofit S-10 Version 3.4

MYO-CLINIC MEDICAL CENTRE, KOLHAPUR [+91 9307257414]

PARAG RAJARAM KULKARNI (33 M)

Bruce Protocol

ID: 336

STLevel(mm) STSlope(mV/s)

Stage: Recovery2

Date: 12-08-2023

Exec Time : 00:00

Stage Time: 01:00

HR: 108 bpm

BP: 130/90 mmHg

STLevel(mm) STSlope(mV/s)

THR: 158 bpm

Slope: 0 %

Speed: 0 kmph

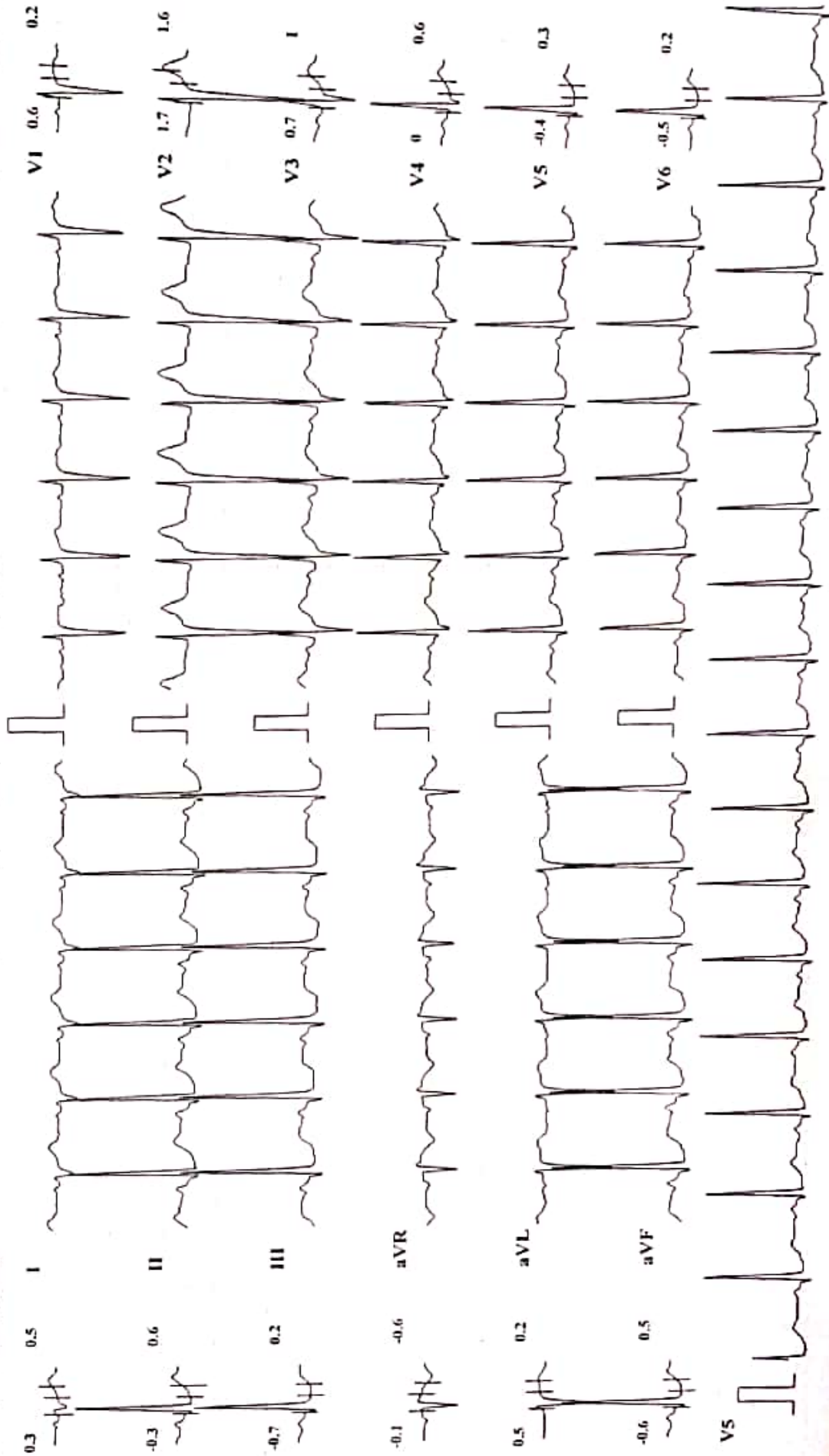


Chart Speed: 25 mm/sec

Amplitude: 10mm/mV

Filter: 35 Hz Mains Filter: ON

ISO = R - 60 ms, J = R + 60 ms, Post J = J + 80 ms

MYO-CLINIC MEDICAL CENTRE, KOLHAPUR [+91 9307257414]

PARAG RAJARAM KULKARNI (33 M)

Bruce Protocol

ID: 336

Stage: Recovery3

HR: 105 bpm

BP: 130/90 mmHg

STLevel(mm) STSlope(mV/s)

Date: 12-08-2023

Exec Time : 00:00

Speed: 0 kmph

Stage: Recovery3

HR: 105 bpm

Stage Time: 00:21

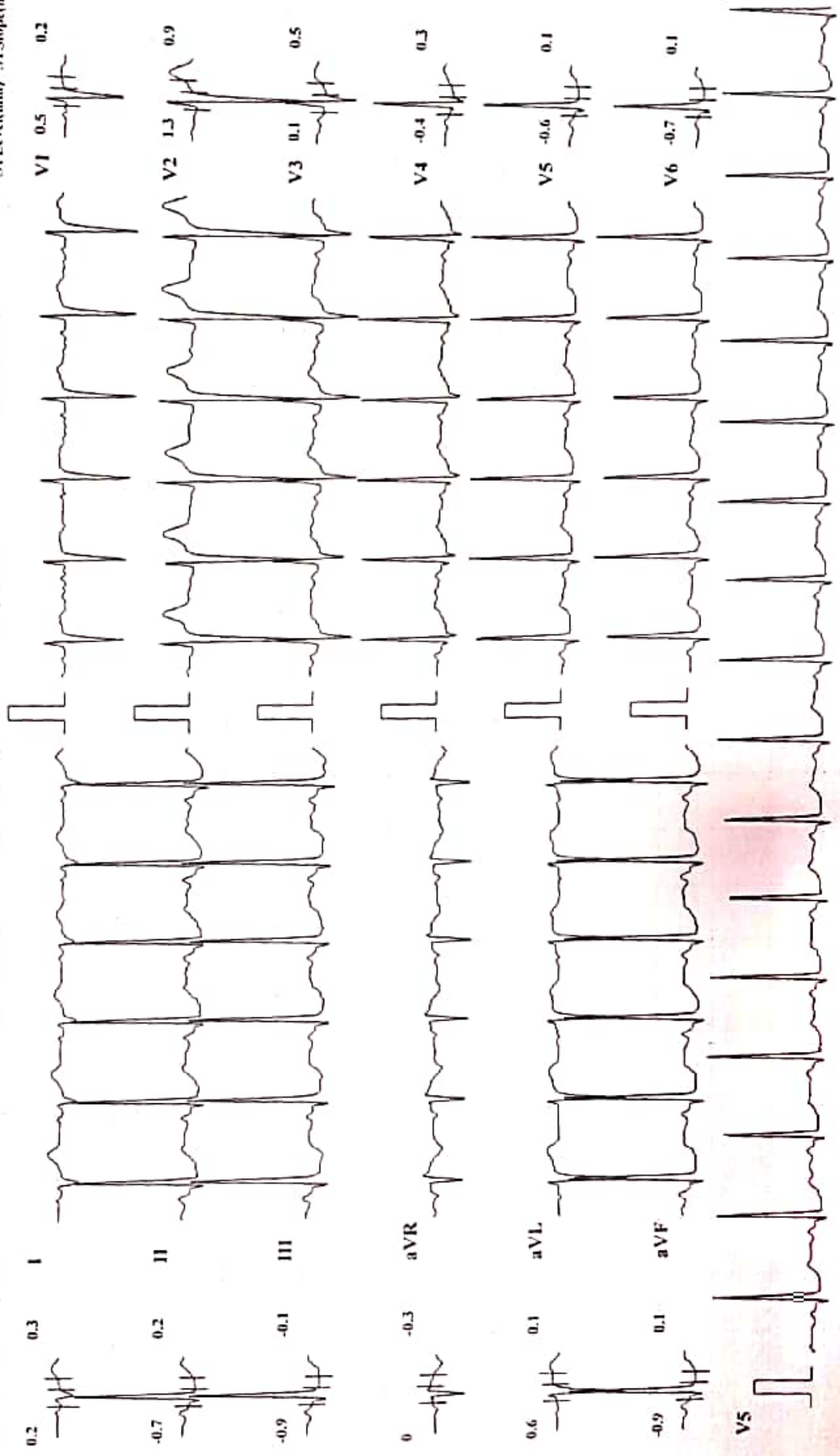
Slope: 0 %

Speed: 0 kmph

Stage: Recovery3

HR: 158 bpm

HR: 105 bpm





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REPORT

PT Name : PARAG KULKARNI
Ref By : DR. VANDANA POWAR
Reg No : HL3600400490 / MH145
Barcode : 20743696
INV : THYROID PROFILE -3 (T3 T4 TSH)

Age : 31 Year | Sex : Male
Registered on : 12-08-2023 01:45 PM
Received on : 13-08-2023 09:02 AM
Reported on : 13-08-2023 10:40 AM

SAMPLE COLLECTED AT :



SAMPLE : Serum

THYROID PROFILE -3 (T3 T4 TSH)

TEST DESCRIPTION	RESULT	UNITS	BIOLOGICAL REFERENCE RANGE
TOTAL TRIIODOTHYRONINE (T3) <small>Method: CLIA</small>	1.58	ng/mL	0.80 - 2.00
TOTAL THYROXINE (T4) <small>Method: CLIA</small>	8.31	µg/dl	5.10 - 14.10
THYROID STIMULATING HORMONE (TSH) <small>Method: CLIA</small>	1.03	uIU/ml	0.35 - 5.50

Reference Range

Thyroid hormone status during pregnancy:

Pregnancy	T3	T4	TSH
1st Trimester	0.70-1.80	6-16.5	0.37 - 3.6
2nd & 3rd Trimester	0.80-2.00	6-18.5	0.38 - 4.04

Reference ranges by Age

0-5 days: 0.7-15.2
6 days-2 months: 0.7-11.0
3-11 months: 0.7-8.4
1-5 years: 0.7-6.0
6-10 years: 0.6-4.8

Interpretation

1. Patients having low T3 and T4 levels but high TSH levels suffer from primary hypothyroidism, cretinism, juvenile myxedema or autoimmune disorders.
2. Patients having high T3 and T4 levels but low TSH levels suffer from Grave's disease, toxic adenoma or sub-acute thyroiditis.
3. Patients having either low or normal T3 and T4 levels but low TSH values suffer from iodine deficiency or secondary hypothyroidism.
4. Patients having high T3 and T4 levels but normal TSH levels may suffer from toxic multinodular goiter. This condition is mostly a symptomatic and may cause transient hyperthyroidism but no persistent symptoms.
5. Patients with high or normal T3 and T4 levels and low or normal TSH levels suffer either from T3 toxicosis or T4 toxicosis respectively.
6. In patients with non thyroidal illness abnormal test results are not necessarily indicative of thyroidism but may be due to adaptation to the catabolic state and may revert to normal when the patient recovers.
7. There are many drugs for eg. Glucocorticoids, Dopamine, Lithium, Iodides, Oral radiographic dyes, etc. which may affect the thyroid function tests.
8. Generally when total T3 and total T4 results are indecisive then Free T3 and Free T4 tests are recommended for further confirmation along with TSH levels.

Please correlate with clinical conditions

~~End of report~~

Dr. Khande Tejal Abasaheb (MD PATH)
Consultant Pathologist