

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 – 08/07/2023

PATIENT NAME- PRASAD KHARE

AGE – 37Y/MALE

HEIGHT – 170 cm

WEIGHT – 100 kg

BLOOD PRESSURE – 141/ 95mmHg

PULES – 74/ Min

FIT TO PERFORM ALL DUTIES

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



PATHOLOGIST

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

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HAEMATOLOGY | CLINICAL PATHOLOGY | BIOCHEMISTRY | SEROLOGY | MICROBIOLOGY | HISTOPATHOLOGY

24 Hours Emergency Service

Home Service Available



भारत सरकार
GOVERNMENT OF INDIA



प्रसाद रामचंद्र खरे
Prasad Ramchandra Khare
जन्म वर्ष / Year of Birth : 1985
पुरुष / Male

8902 5672 1735



आधार - सामान्य माणसाचा अधिकार

Handwritten signature



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NAME : MR. PRASAD KHARE

DATE : 08/07/2023 PT.NO. : 207 08072

REF BY : Dr. MEDIWHEEL LIFE INS

AGE : 37. Yrs. SEX : M

HAEMOGRAM WITH INDICES

Test	Result	Units	Normal Range	Histogram
Haemoglobin	13.7	g/dl	14-18	
RBC Count	4.71	millions / cu-mm	4.5 - 6.5	
PCV	41.8	%	40 - 54	
MCV	88.7	fL	80 - 96	
MCH	29.1	Pg	27 - 33	
MCHC	32.8	gm/dl	33 - 36	
RDW CV	13.0	%	11.0 - 14.5	
WBC Count	4700	/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	262000	/ul	150000 - 450000	
MPV	8.1	fL	7.4 - 10.4	
PDW	9.4	%	8-12	
P-LCR	12.0	%	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 - 'AB' Rh Positive

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PT.NAME : MR. PRASAD KHARE
REF. BY : DR. MEDIWHEEL LIFE INS

DATE : 08/07/2023
AGE : 37 Yrs. SEX : M
PT.NO. : 207 080723

BIOCHEMISTRY TEST REPORT

			<u>Normal Range</u>
Fasting Plasma Glucose	: 108.5	mg/dl	60-110 mg/dl
2 Hrs. Plasma Glucose	: 119.3	mg/dl	90-140 mg/dl
S. Creatinine	: 0.9	mg/dl	0.7 - 1.4 mg/dl
Blood Urea	: 22.7	mg/dl	12-42 mg/dl
Blood Urea Nitrogen	: 10.61	mg/dl	5 - 21 mg/dl
S. Uric acid	: 4.7	mg/dl	3.5 -7.2 mg/dl
CHOLESTEROL	: 159.8	mg/dl	0-250 mg/dl
HDL Cholesterol	: 33.6	mg/dl	30 - 70 mg/dl
S. Triglycerides	: 80.7	mg/dl	0-170 mg/dl
LDL Cholesterol	: 110.1	mg/dl	60 - 150 mg/dl
TC/HDLC Ratio	: 4.8		0 - 5
LDLC/HDLC Ratio	: 3.3		

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AGE : 37 Yrs. SEX : M
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BIOCHEMISTRY TEST REPORT

			<u>Normal Range</u>
S. Bilirubin (Total)	: 0.27	mg/dl	0 - 1.0 mg/dl
S. Bilirubin (Direct)	: 0.15	mg/dl	0 - 0.25 mg/dl
S. Bilirubin (Indirect)	: 0.12	mg/dl	0 - 0.75 mg/dl
S.G.O.T	: 28.0	IU/L	5-40 IU/L
S.G.P.T	: 19.7	IU/L	5-40 IU/L
S. Alkaline Phosphatase	: 88.6	IU/L	37 - 147 IU/L
Total Proteins	: 7.9	g/dl	6.6 - 8.3 g/dl
S. Albumin	: 4.0	g/dl	3.5 - 5.0 g/dl
S. Globulin	: 3.9	g/dl	1.5 - 3 g/dl
A/G Ratio	: 1.0 : 1		0.90 - 2.00

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REPORT ON % GLYCOHAEMOGLOBIN OF BLOOD

% Glycohaemoglobin of blood : 5.1 %
Estimated mean blood glucose : 100.3 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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DATE : 08/07/2023

REF. BY : DR. MEDIWHEEL LIFE INS

AGE : 37 Yrs. SEX : M

PT.NO. : 207 080723

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	Absent
Bile Pigments	: Absent	Absent
Urobilinogen	: --	
Occult Blood	: 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:- PRASAD KHARE

AGE - 37/SEX-MALE

REFERANCE :- MEDIWHEEL LIFE INS

DATE - 08/07/2023

BIOCHEMISTRY

NORMAL VALUE

SERUM GAMMA. G. T : 28.3 mmol/L

10-50 mmol / L



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PATIENT NAME:- PRASAD KHARE

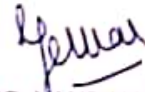
AGE - 37/SEX-MALE

REFERANCE :- MEDIWHEEL LIFE INS

DATE - 08/07/2023

BIOCHEMISTRY

		NORMAL VALUE
SERUM VLDL	: 19.6 mmol/L	10-50 mmol / L

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08/07/2023

**THE ECG OF CLIENT- PRASAD KHARE
IS WITHIN NORMAL LIMIT**

NO ABNORMAL FINDINGS ARE DETECTED



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डॉ. बी. जी. जाधव-ढेकळे

एम. बी. बी. एस.
(जनरल फिजिशियन)

डॉ. नेहा घोरपडे

एम. बी. बी. एस., डी.एम.आर.ई
कन्सल्टिंग रेडीओलॉजिस्ट



अस्मिता क्लिनिक
आणि सोनोग्राफी सेंटर

१००४/३अ/२, फिर्गाई देवळासमोर, शिवाजी पेठ, कोल्हापूर - ४१६०१२.

Ph. : (0231) 2621071 | E mail: asmitadiagno.neha@gmail.com

Patient Name : MR. PRASAD KHARE
Referred By : Dr. VANDANA POWAR

Date : 08 Jul 2023
Age : 37 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- 108 X 47 mm. **Left kidney** measures -106 x 56 mm.

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

PROSTATE: is normal size and uniform echotexture, measures 31 x 29 x 33 mm (weight- 16 gms). 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 LIVER - GRADE 2.

ADVICE - Clinical correlation and follow up if clinically needed.

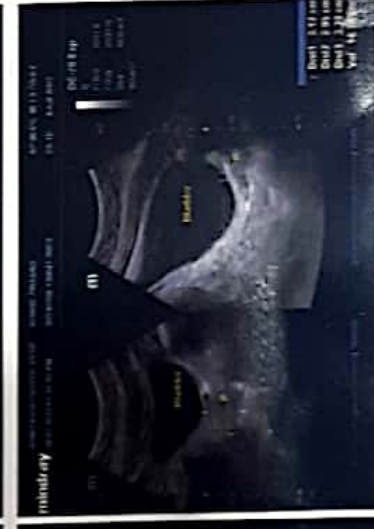
THANKS FOR REFERRAL. FEEDBACK IS WELCOME

Neha
DR. NEHA S. GHORPADE
MBBS BMRE Reg. No. 79916
Consulting Radiologist

डॉ. नेहा घोरपडे

एम. बी. बी. एस., डी.एम.आर.ई (रेडीओलॉजिस्ट)
रजि.नं. 79916

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





 GPS Map Camera

Kolhapur, Maharashtra, India

Rajghat Rd, Mangalwar Peth, C Ward, Kolhapur,

Maharashtra 416002, India

Lat 16.692829°

Long 74.224304°

08/07/23 10:09 AM GMT +05:30



SWARA DIGITAL X-RAY

NEAR TAVANAPPA PATANE SCHOOLE 10TH LANE RAJARAMPURI KOLHAPUR
9890185675

PATEINT NAME :	MR PRASAD KHARE	AGE/SEX :	37Y/MALE
REF BY :	SELF	DATE :	08/07/2023

CHEST X-RAY (PA)

Both lungs fields APPEAR NORMAL.

Both costophrenic angles appear normal

The tracheal lucency is centrally placed

The mediastinal & diaphragmatic outlines appear normal.

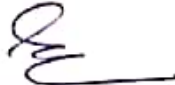
The heart shadow is normal

The bony thorasic cage & soft tissue are normal

IMPRESSION :

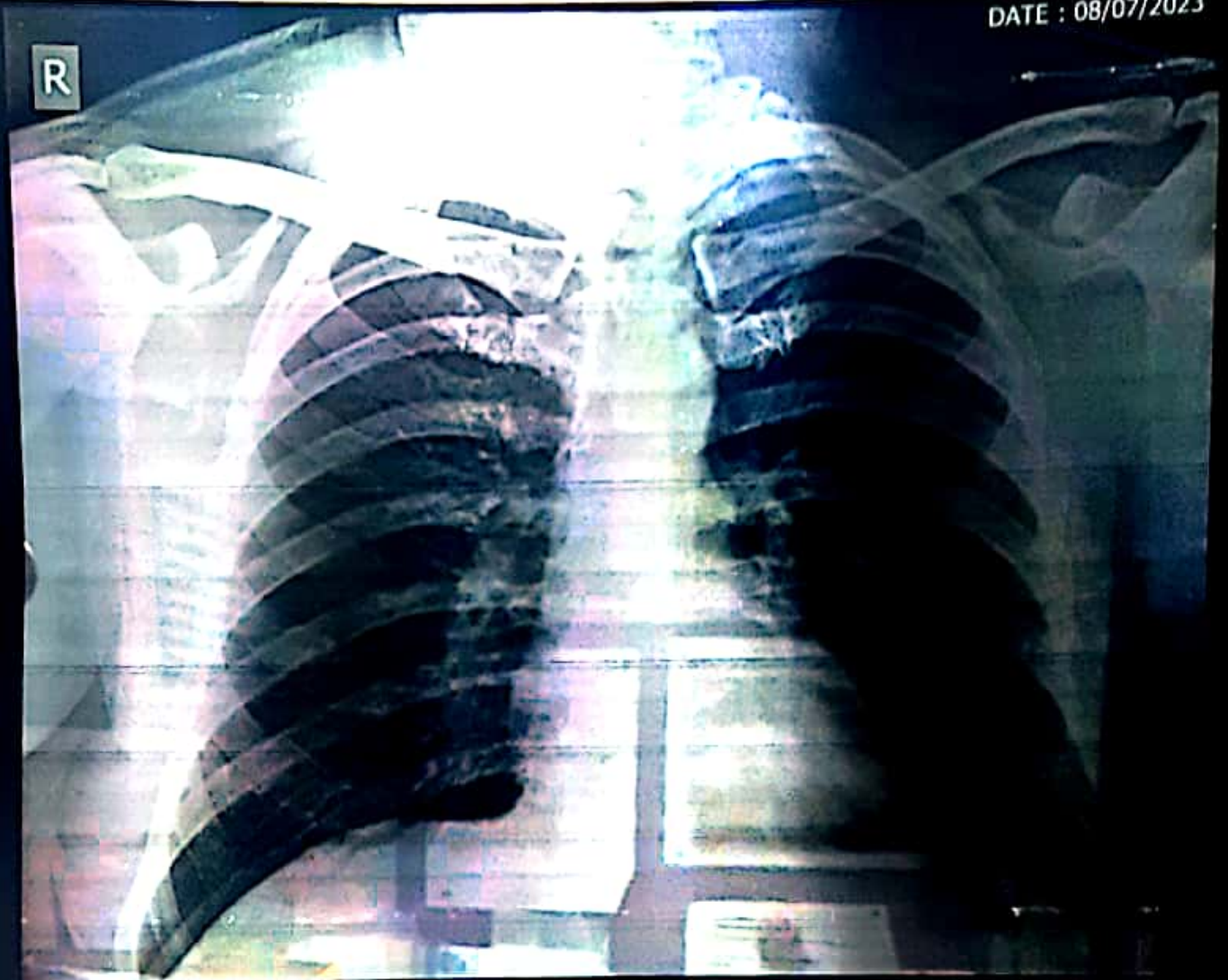
NORMAL CHEST XRAY

ADV: Clinical correlated


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

DATE : 08/07/2023

R



Name: MR PRASAD KHARE

Age/Sex: 37 / Male

Chest PA

Ref.Dr. SELF

SWARA DIGITAL X-RAY RAJARAMPURI 10TH LANE KOLHAPUR 9890185675

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

PRASAD R KHIARE

ID: 314

Date: 08-07-2023

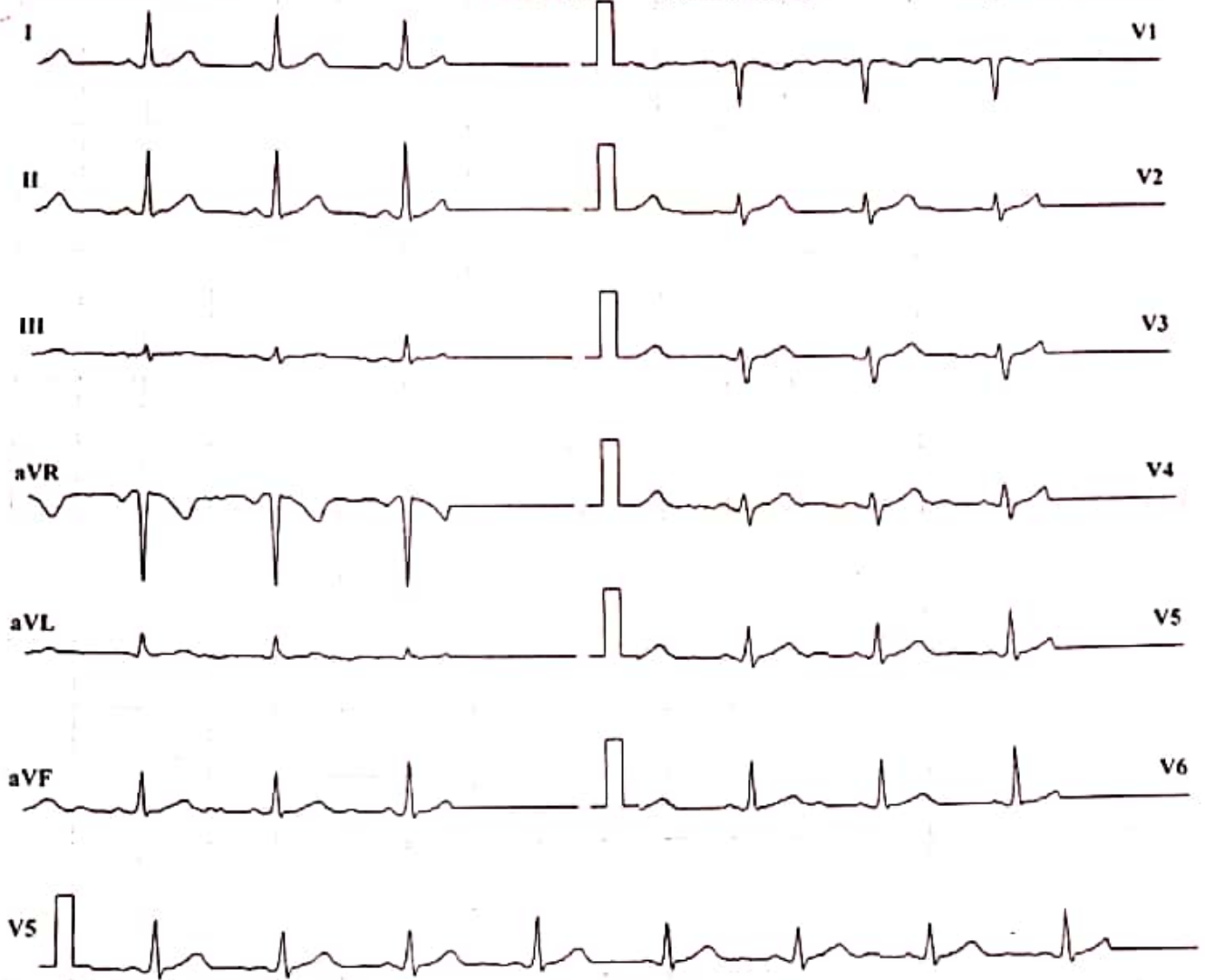
Time: 10:54

Chart Speed: 25 mm/sec

Filter: 35Hz

Mains Filter: ON

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	-0.04	0.4	0.17	-0.03	0.23
II	-0.06	0.61	0.26	-0.03	0.31
III	-0.06	0.19	0.06	-0.01	0.09
aVR	0.07	-0.7	-0.3	0.03	-0.37
aVL	0	0.11	0.07	0.01	0.07
aVF	-0.06	0.39	0.14	-0.03	0.19
V1	0.01	-0.24	-0.24	0	-0.11
V2	0	0.3	-0.16	0.01	0.24
V3	-0.04	0.21	-0.47	-0.01	0.23
V4	-0.03	0.36	-0.26	-0.01	0.27
V5	-0.03	0.47	0.06	0.01	0.26
V6	-0.03	0.44	0.24	0	0.17

Intervals (ms)

P-Q	Q-R-S	Q-T	Q-TC
53	70	279	316

Axis (deg)

P	QRS	T
-22	30	22

HR: 77 bpm

BP: 120/80 mmHg

Interpretation: NORMAL

DR. SHANTANU S. PALKAR
 MBBS, PGDCC
 CLINICAL CARDIOLOGIST
 MMC No. 2011040954

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

Name: PRASAD R KHARE

Date: 08-07-2023 Time: 10:54

Age: 37 Gender: M Height: 170 cms Weight: 100 Kg ID: 314

Clinical History: NO MAJOR ILLNESS

Medications: NO MEDS

Test Details:

Protocol: Bruce Predicted Max HR: 183 Target HR: 155

Exercise Time: 0:06:00 Achieved Max HR: 179 (98% of Predicted MHR)

Max BP: 140/80 Max BP x HR: 25060 Max Mets: 9.6

Test Termination Criteria:

Protocol Details:

Stage Name	Stage Time	METS	Speed kmph	Grade %	Heart Rate bpm	BP mmHg	RPP	Max ST Level mm	Max ST Slope mV/s
Supine	00:09	1	0	0	78	120/80	9360	1.1 II	-0.7 aVR
Standing	00:22	1	0	0	75	120/80	9000	0.8 V4	0.6 V4
HyperVentilation	02:12	1	0	0	74	120/80	8880	0.7 V5	-0.5 aVR
PreTest	01:44	1	1.6	0	110	120/80	13200	0.8 V3	0.6 II
Stage. 1	03:00	4.7	2.7	10	130	120/80	15600	0.5 V4	0.9 V4
Stage. 2	03:00	7	4	12	154	130/80	20020	1 aVR	-1.4 aVR
Peak Exercise	02:33	9.6	5.5	14	179	140/80	25060	1.4 V5	-1.5 aVR
Recovery1	01:00	1	0	0	150	140/80	21000	1.6 V4	2.4 II
Recovery2	01:00	1	0	0	127	130/80	16510	1.1 V3	-2.1 aVR
Recovery3	01:00	1	0	0	119	120/80	14280	0.5 V3	1.1 II

Interpretation

The Patient Exercised according to Bruce Protocol for 0:08:33 achieving a work level of 9.6 METS.
 Resting Heart Rate, initially 78 bpm rose to a max. heart rate of 179bpm (98% of Predicted Maximum Heart Rate).
 Resting Blood Pressure of 120/80 mmHg, rose to a maximum Blood Pressure of 140/80 mmHg
 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: MEDWHEEL

DR. SHANTANU S. PALKAR
 Doctor: DR. SHANTANU S. PALKAR
 MBBS, PGDCC

CLINICAL CARDIOLOGIST
 MMC No. 2011040954

SCHILLER

The Art of Diagnostics

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

PRASAD R KHARE

ID: 314

Date: 08-07-2023

Exec Time : 0:00:00

Stage Time: 00:09

HR: 78 bpm

Bruce Protocol
ST(ekmm) STSlope(mV/s)

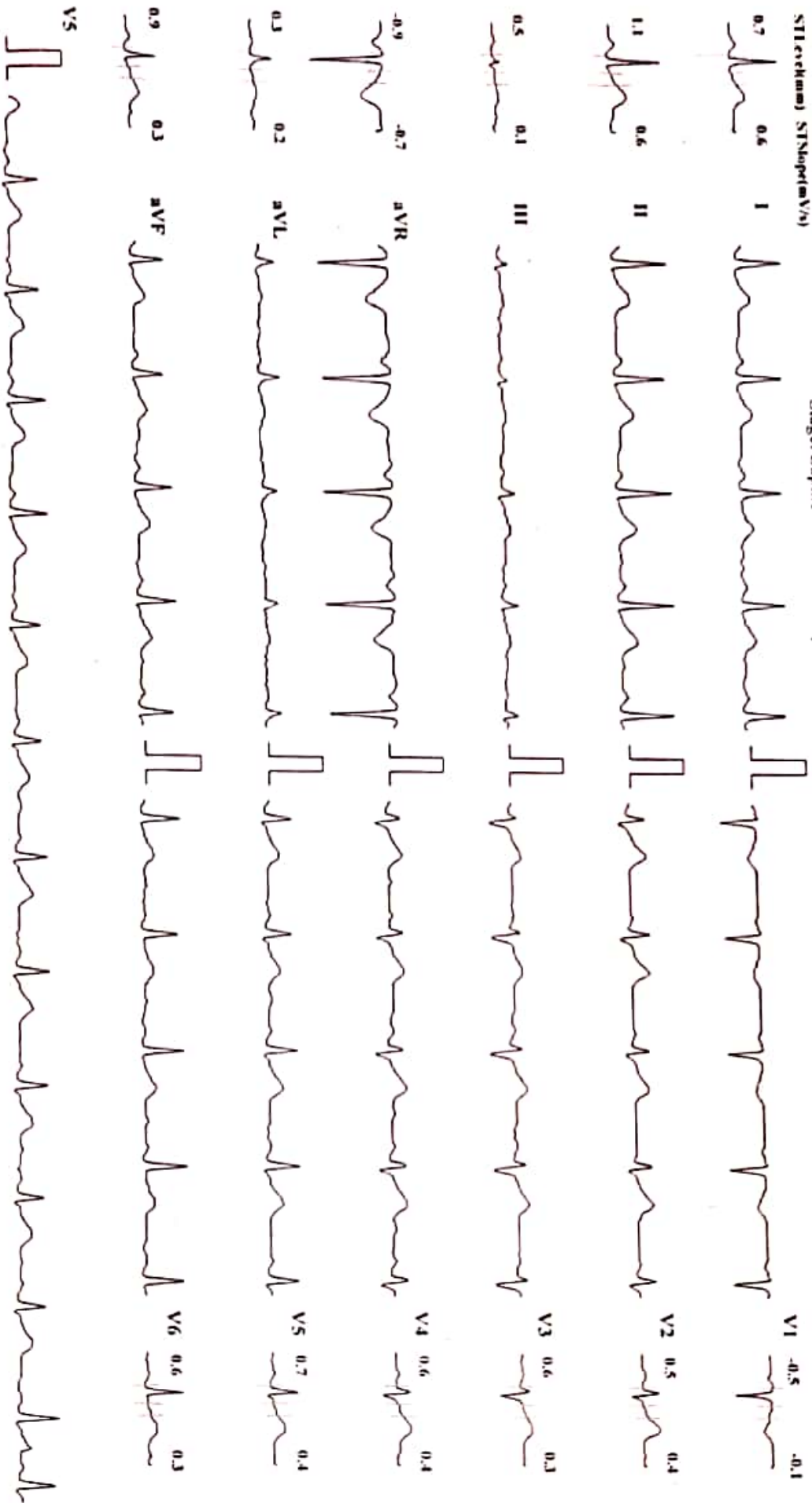
Stage: Supine

Speed: 0 km/h

Slope: 0%

THR: 155 bpm

BP: 120/80 mmHg
ST(ekmm) STSlope(mV/s)



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 Spandau CS-10 Version 2.12

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

PRASAD R KHARE

Bruce Protocol
ST(Slope(m)) ST(Slope(mV/s))

ID: 314
Stage: Standing

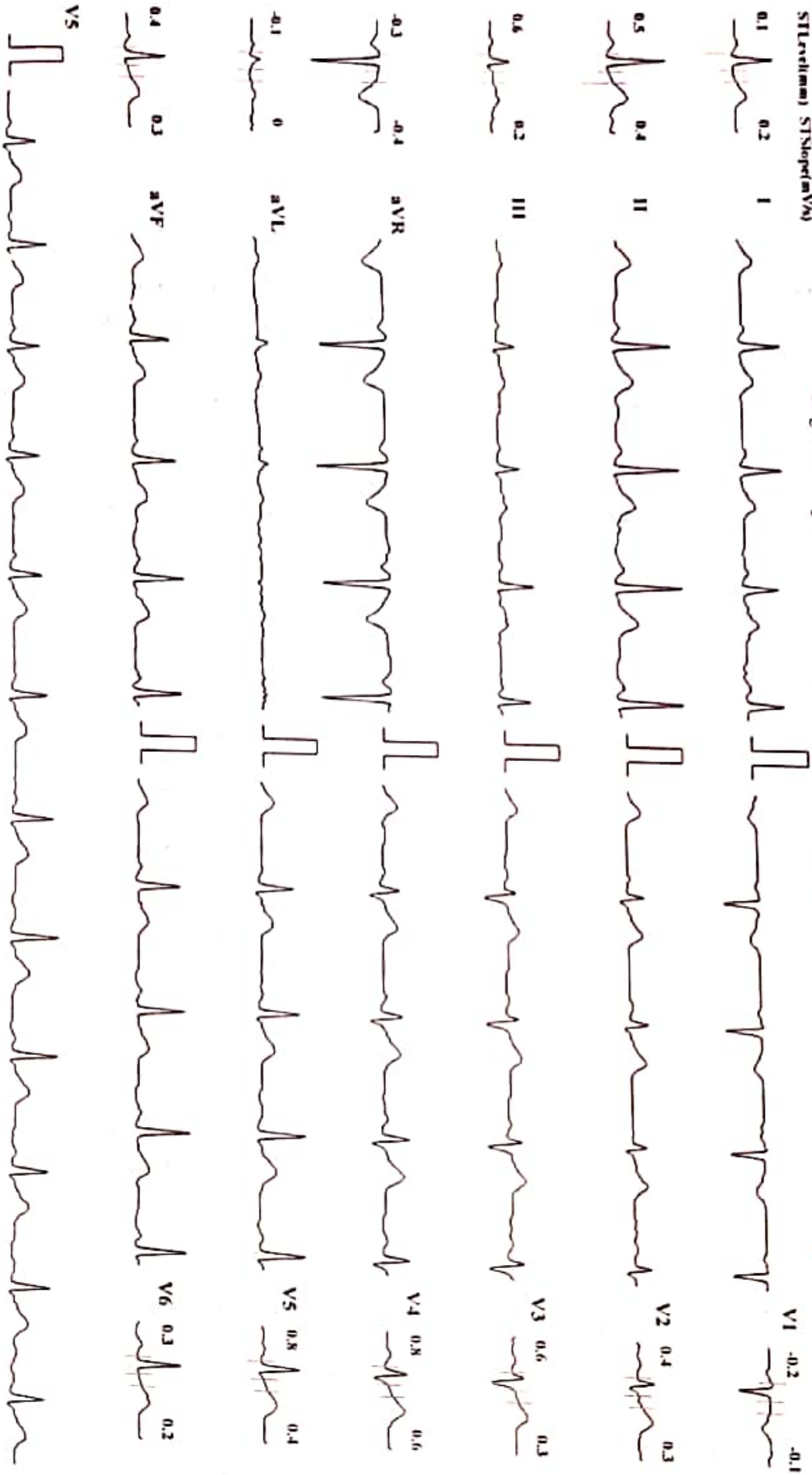
Date: 08-07-2023
Speed: 0

Exec Time : 0:00:00
Slope: 0 %

Stage Time: 00:22
THR: 155 bpm

HR: 75 bpm

BP: 120/80 mmHg
ST(Slope(m)) ST(Slope(mV/s))



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 Spandun CS-10 Version 2.12

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

PRASAD R KHARE

Bruce Protocol
STLevel(mm) STSlope(mV/s)

ID: 314

Date: 08-07-2023

Exec Time : 00:00

Stage Time: 00:00

Stage: HyperVentilation

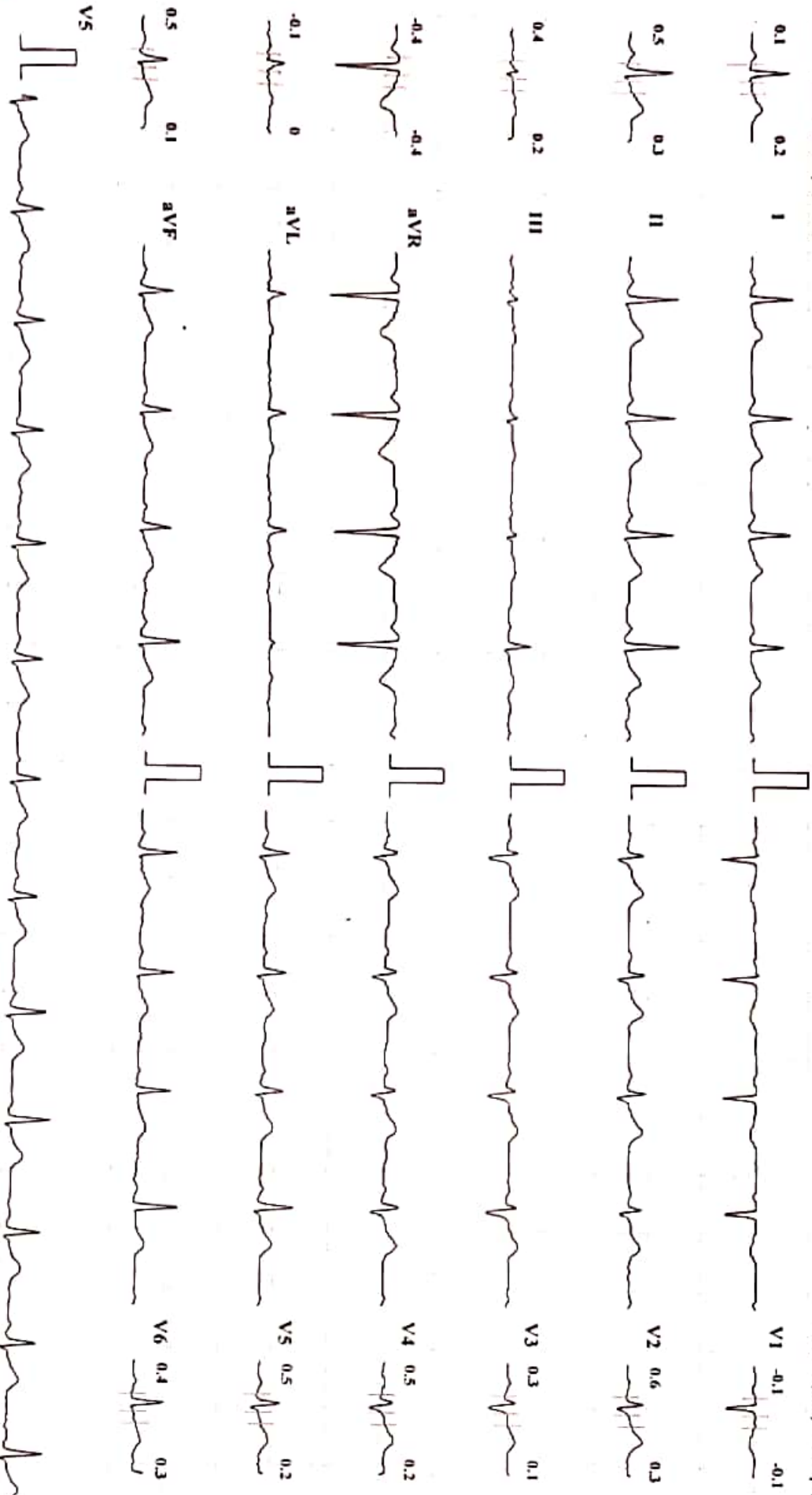
Speed: 0 kmph

Grade: 0%

THR: 155 bpm

HR: 79 bpm

BP: 120/80 mmHg
STLevel(mm) STSlope(mV/s)



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 Spandan CS-10 Version 2.12

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

PRASAD R KHARE

Bruce Protocol

STLevel(mm) STSlope(mV/s)

ID: 314

Stage: PreTest

Date: 08-07-2023

Speed: 1.6 kmph

Exec Time : 00:00

Grade: 0%

Stage Time: 00:00

THR: 155 bpm

HR: 73 bpm

BP: 120/80 mmHg

STLevel(mm) STSlope(mV/s)

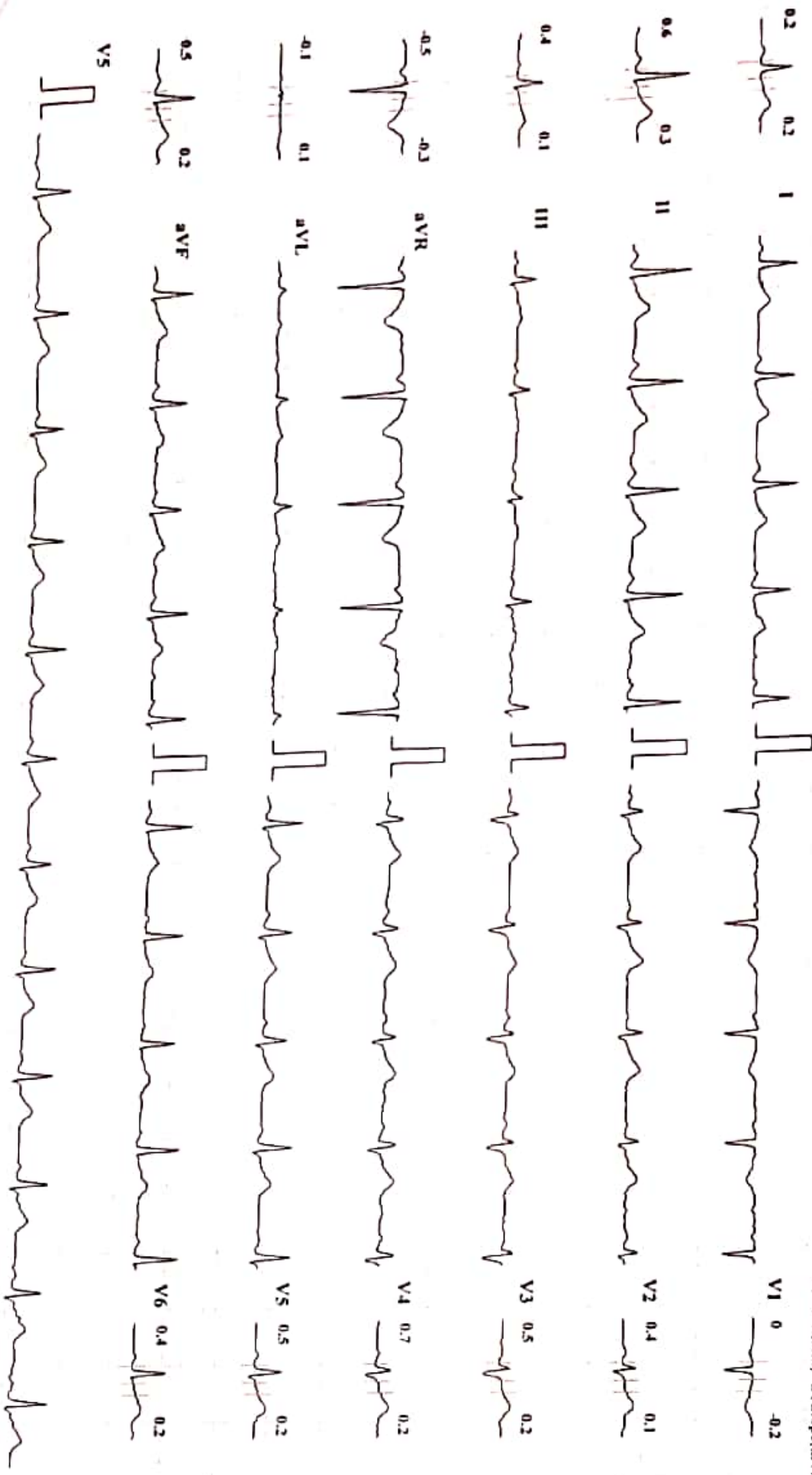


Chart Speed: 25 mm/sec

Amplitude: 10mm/mV

Filter: 35 Hz Mains Filter: ON

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

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

PRASAD R KHARE

HR: 111 bpm

Bruce Protocol
STLevel(mm) STSlope(mV/s)

ID: 314
Date: 08-07-2023
Stage: 1
Speed: 2.7 kmph

Exec Time : 0:00:00
Grade: 10%

Stage Time: 00:00
THR: 155 bpm

BP: 120/80 mmHg
STLevel(mm) STSlope(mV/s)

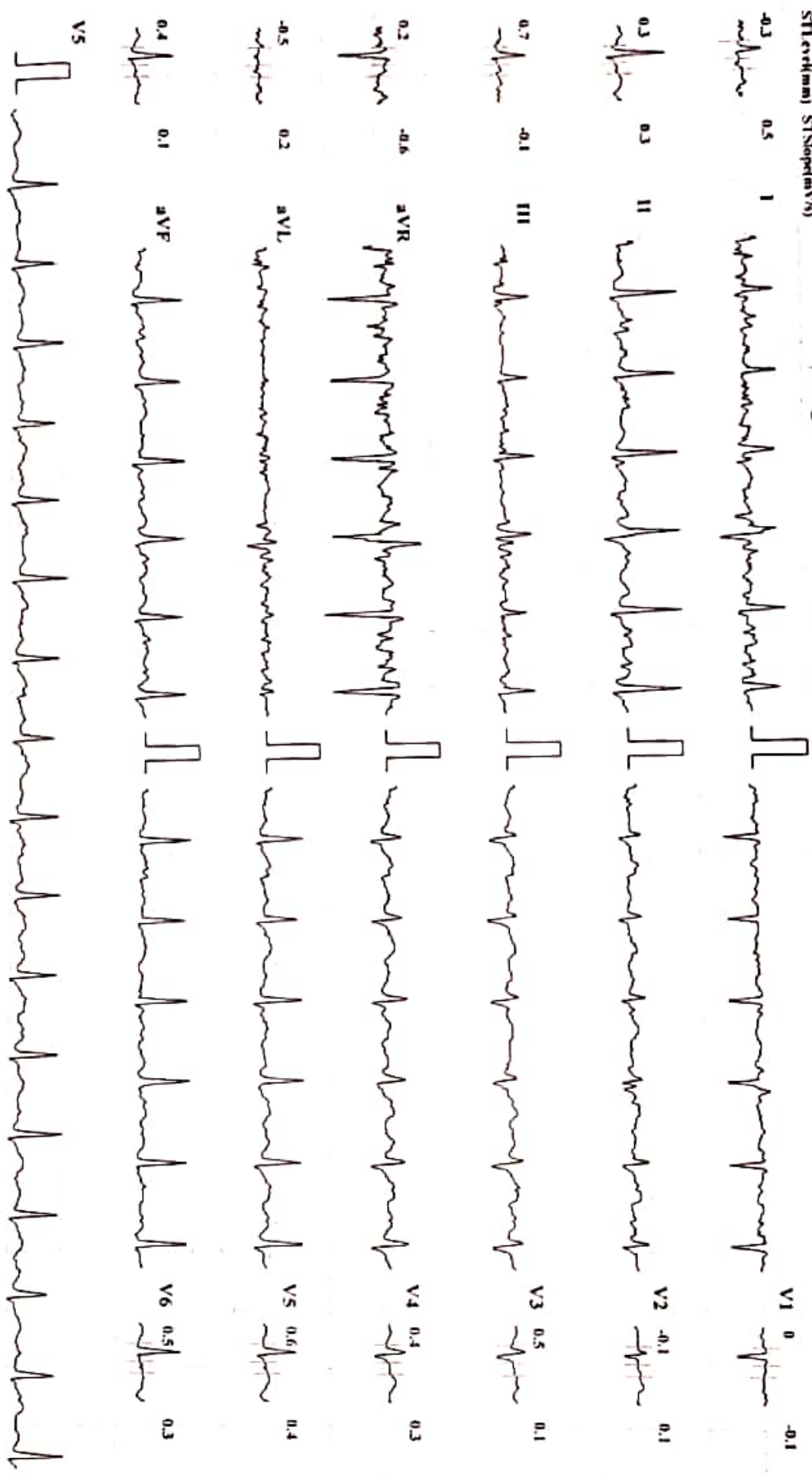


Chart Speed: 25 mm/sec

Amplitude: 10mm/mV

Filter: 35 Hz Mains Filter: ON

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

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

PRASAD R KHARE

ID: 314

Date: 08-07-2023

Exec Time: 0:03:00

Stage Time: 00:00

HR: 129 bpm

Bruce Protocol

STLevel(mm) STSlope(mV/s)

Stage: 2

Speed: 4 kmph

Grade: 12%

THR: 155 bpm

BP: 130/80 mmHg
STLevel(mm) STSlope(mV/s)

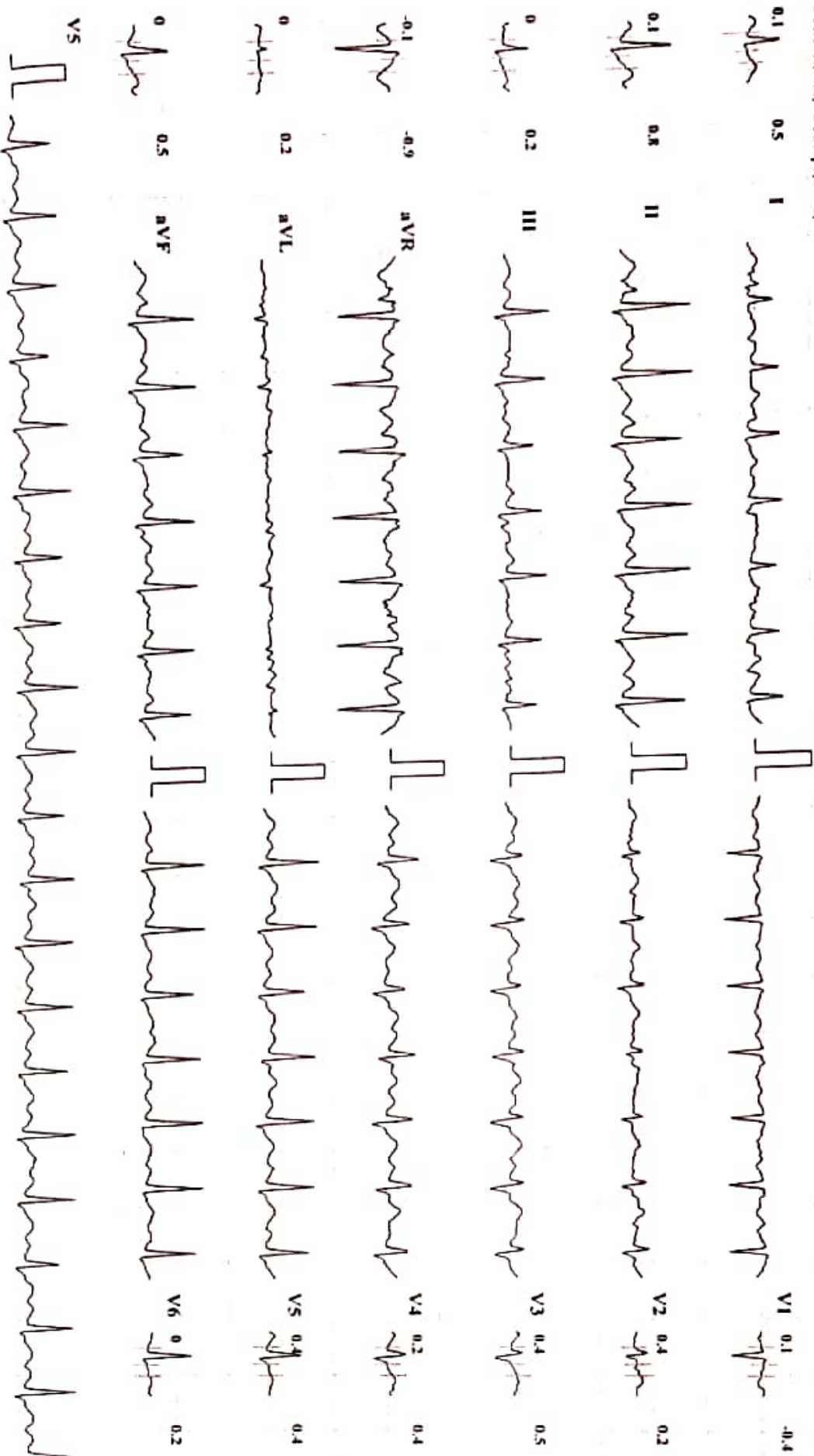


Chart Speed: 25 mm/sec

Amplitude: 10mm/mV

Filter: 35 Hz Mains Filter: ON

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

Schiller Spandian CS-10 Version 2.12

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

PRASAD R KHARE

Bruce Protocol
STLevel(mm) STSlope(mV/s)

ID: 314

Date: 08-07-2023

Exec Time : 0:06:00

Stage Time: 00:00

Stage: Peak Exercise

Speed: 5.5 kmph

Grade: 14%

THR: 155 bpm

HR: 153 bpm

BP: 140/80 mmHg
STLevel(mm) STSlope(mV/s)

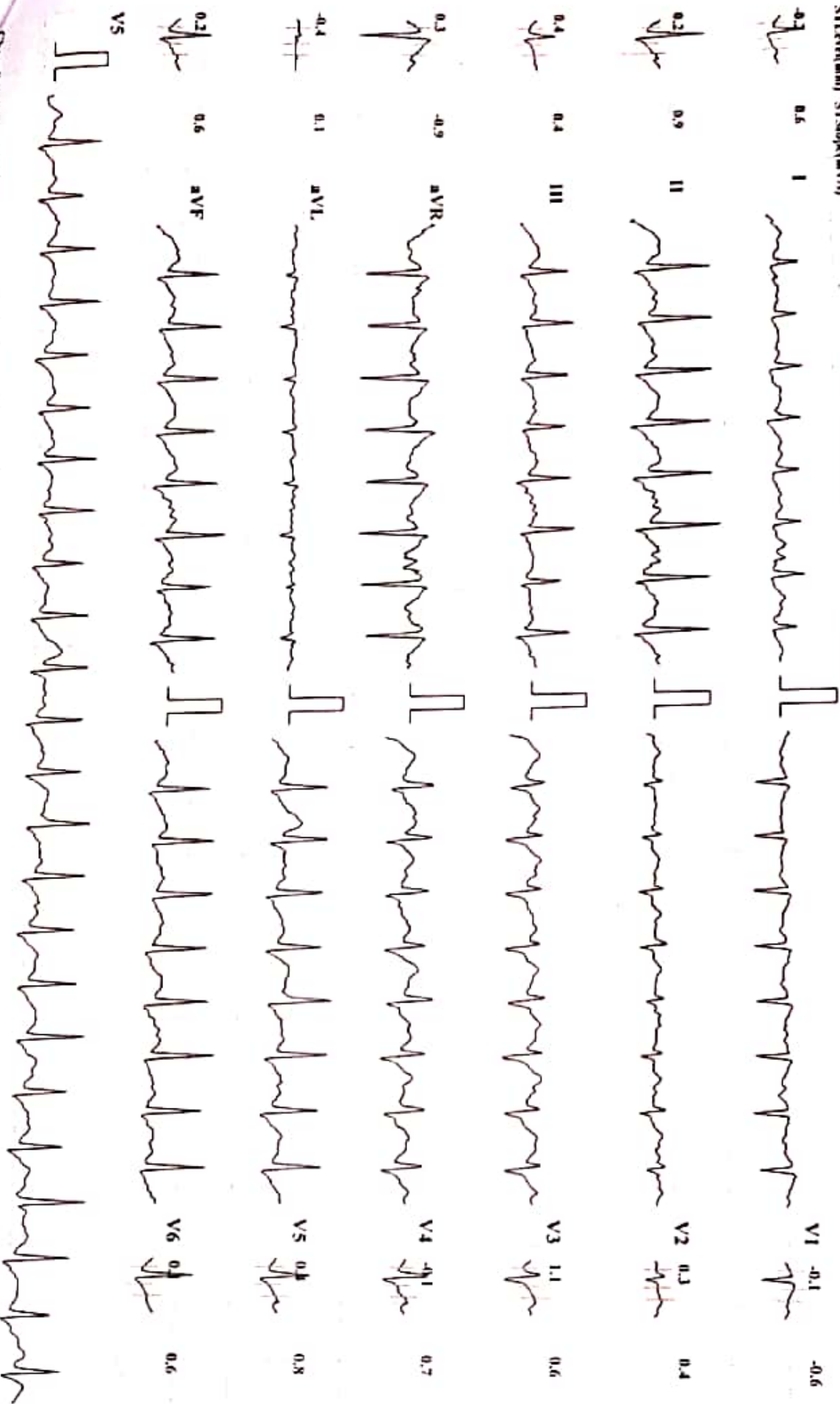


Chart Speed: 25 mm/sec

Amplitude: 10mm/mV

Filter: 35 Hz Mains Filter: ON

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

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

PRASAD R KHARE

Brace Protocol
STLevel(mV) STSlope(mV/s)

ID: 314
Date: 08-07-2023
Stage: Recovery1
Speed: 0 kmph

Exec Time : 00:00
Grade: 0%
Stage Time: 00:00
THR: 155 bpm

HR: 77 bpm
BP: 140/80 mmHg
STLevel(mV) STSlope(mV/s)

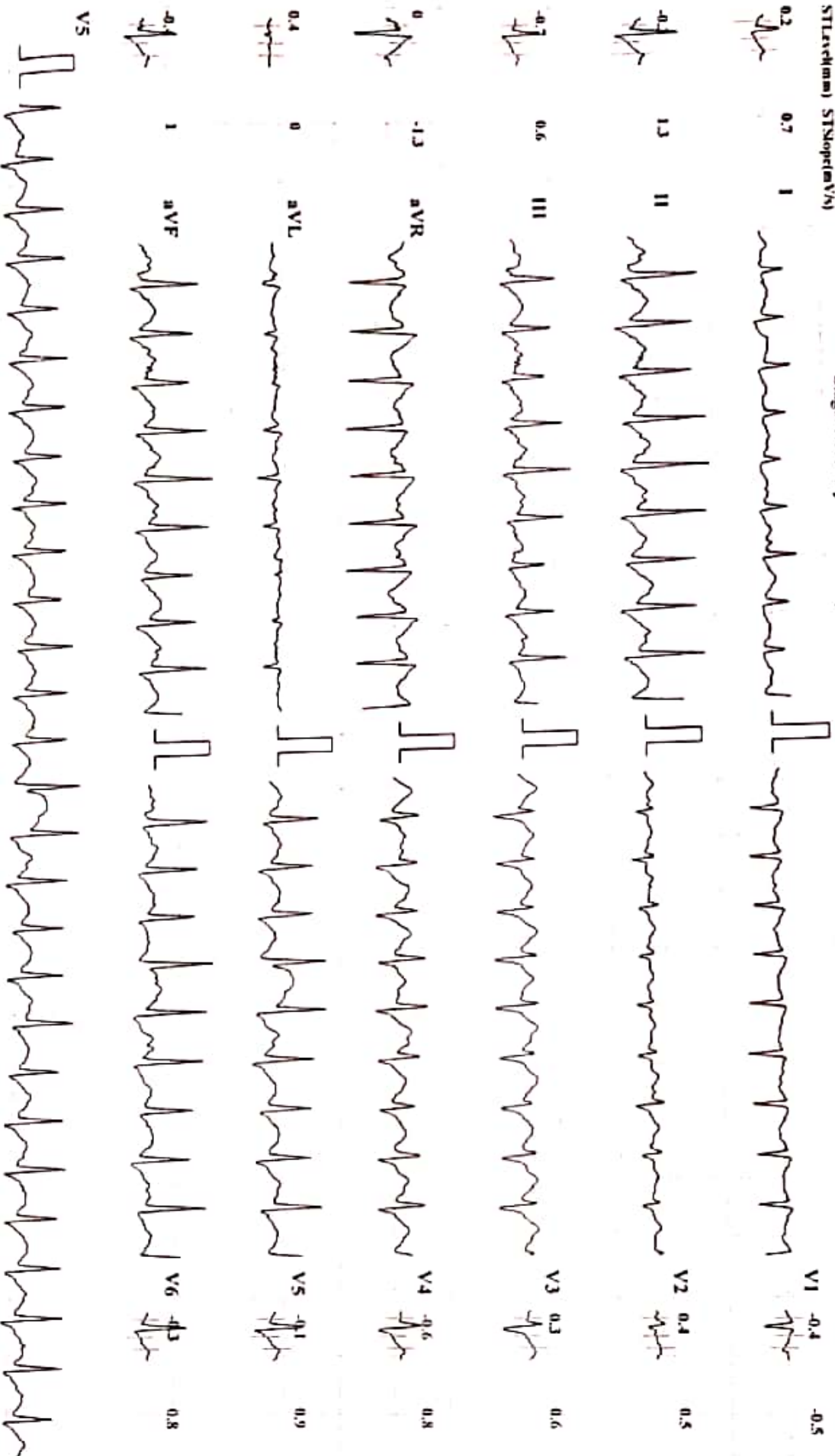


Chart Speed: 25 mm/sec

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

Schiller Spandau GS-10 Version 2.12

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

PRASAD R KHARE

HR: 150 bpm

Bruce Protocol
ST1:level(mV) ST2:stop(mV/s)

ID: 314
Date: 08-07-2023
Stage: Recovery2
Speed: 0 kmph

Exec Time : 00:00
Grade: 0%
Stage Time: 00:00
THR: 155 bpm

Bp: 130/80 mmHg
ST1:level(mV) ST2:stop(mV/s)

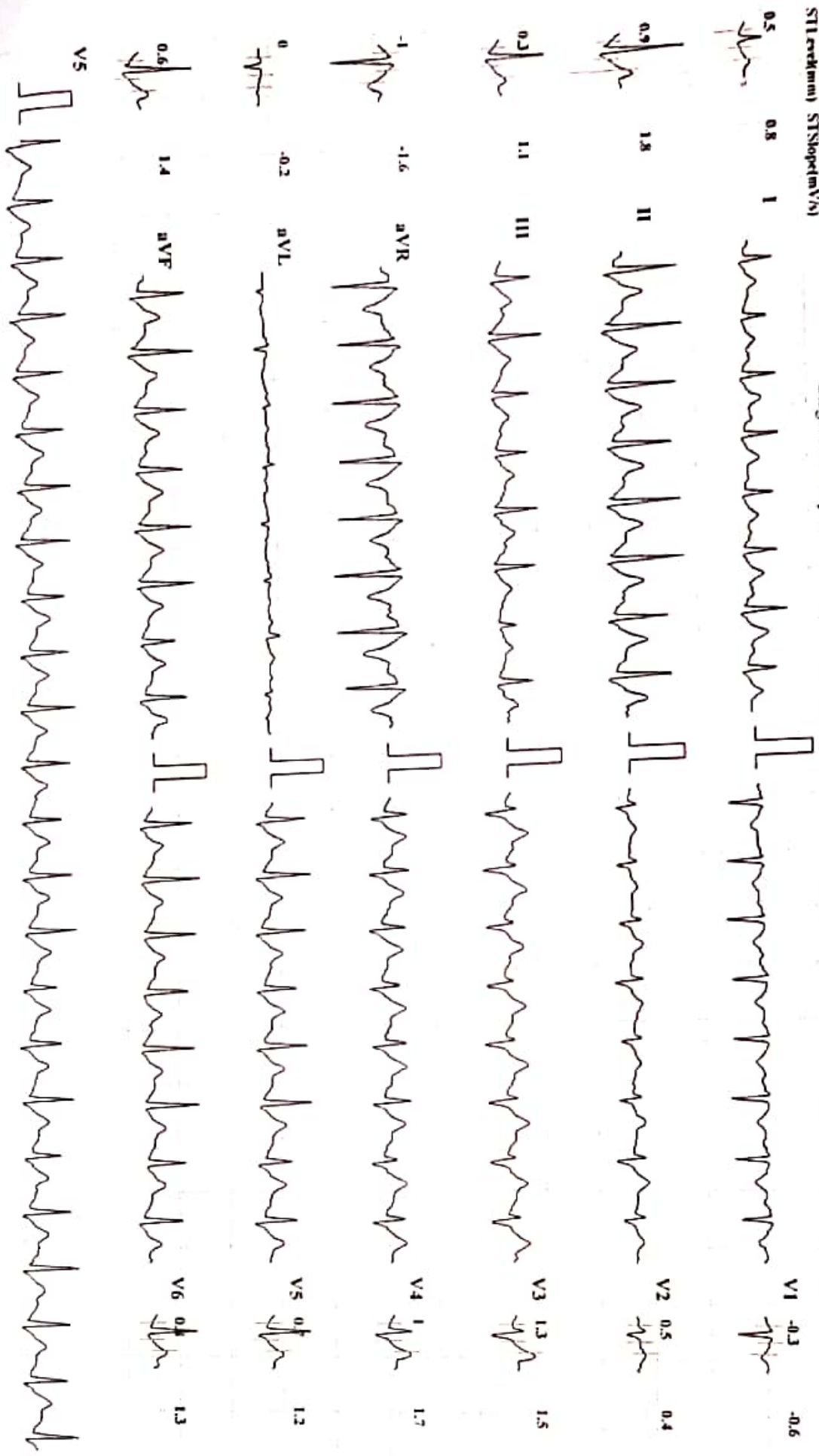


Chart Speed: 25 mm/sec

Amplitude: 10mm/mV

Filter: 35 Hz Mains Filter: ON

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

Schiller Spandau CS-10 Version 2.12

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

HR: 127 bpm

PRASAD R KHARE

ID: 314

Date: 08-07-2023

Exec Time: 00:00

Stage Time: 00:00

HR: 120.80 mmHg

Trace Protocol
ST Segment (mV)

Stage: Recovery 3

Speed: 0 Amp/s

Grade: 0%

HR: 155 bpm

ST Segment (mV)

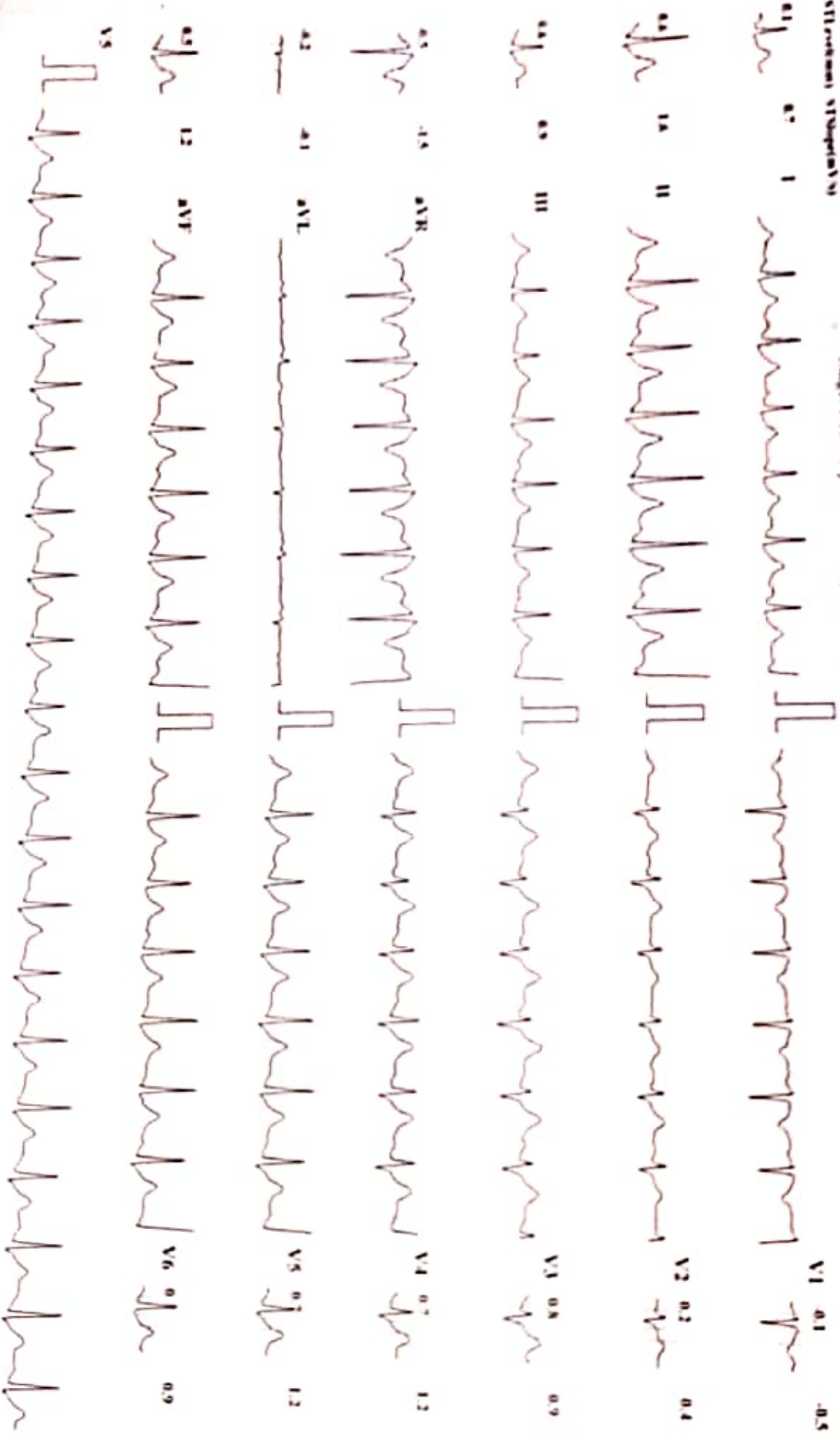


Chart Speed 25 mm/sec

Amplitude 10mm/mV

Filter 35 Hz

Main Filter ON

ESD - R - 60 ms, I - R - 60 ms, Pwd 1 - 1 - 80 ms



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Toll Free No. : 18001030287

REPORT

PT Name : PRASAD KHARE

Age : 37 Year | Sex : Male

SAMPLE COLLECTED AT :

Ref By : DR. VANDANA POWAR

Registered on : 08-07-2023 02:31 PM

Reg No : HL6400300942 / MH145

Received on : 09-07-2023 09:11 AM

Barcode : 20743622

Reported on : 09-07-2023 09:55 AM



INV : THYROID PROFILE -3 (T3 T4 TSH)

SAMPLE : Serum

THYROID PROFILE -3 (T3 T4 TSH)

TEST DESCRIPTION	RESULT	UNITS	BIOLOGICAL REFERENCE RANGE
TOTAL TRIIODOTHYRONINE (T3) Method: CLIA	1.12	ng/mL	0.80 - 2.00
TOTAL THYROXINE (T4) Method: CLIA	7.11	µg/dl	5.10 - 14.10
THYROID STIMULATING HORMONE (TSH) Method: CLIA	2.35	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