

**Patient Details**

Date: 11/16/2021

Time: 11:07:59 AM

Name: biswanath das ID: li8910235

Age: 32 y

Sex: M

Height: -- cms

Weight: -- Kgs

Clinical History: not found.

Medications: n of any

**Test Details**

Protocol: Bruce

Pr.MHR: 188 bpm

THR: 169 (90 % of Pr.MHR) bpm

Total Exec. Time: 7 m 27 s

Max. HR: 136 ( 72% of Pr.MHR )bpm

Max. Metr: 13.50

Max. BP: 132 / 86 mmHg

Max. BP x HR: 17952 mmHg/min

Min. BP x HR: 7134 mmHg/min

Test Termination Criteria: thr achieved.

**Protocol Details**

Stage Name	Stage Time (min : sec)	Mets	Speed (mph)	Grade (%)	Heart Rate (bpm)	Max. BP (mm/Hg)	Max. ST Level (mm)	Max. ST Slope (mV/s)
Supine	1 : 0	1.0	0	0	87	120 / 82	-0.64 III	2.65 V2
Standing	1 : 1	1.0	0	0	108	122 / 82	-0.53 III	2.83 V2
Hyperventilation	1 : 0	1.0	0	0	101	122 / 82	-0.42 III	2.65 V2
1	3 : 0	4.6	1.7	10	136	132 / 86	-1.91 V5	4.78 II
2	2 : 5	7.0	2.5	12	135	132 / 86	-3.40 II	3.89 V2
3	2 : 16	10.2	3.4	14	134	132 / 86	-2.87 II	3.89 V2
Peak Ex	0 : 6	13.5	4.2	16	133	132 / 86	-1.70 III	3.54 V2
Recovery(1)	1 : 0	1.8	1	0	119	132 / 86	-1.17 III	4.07 V2
Recovery(2)	1 : 0	1.0	0	0	109	130 / 84	-0.85 aVF	3.89 V2
Recovery(3)	0 : 55	1.0	0	0	125	128 / 82	-1.06 II	3.01 V2

**Interpretation**

The patient exercised according to the Bruce protocol for 7 m 27 s achieving a work level of Max. METS : 13.50. Resting heart rate initially 87 bpm, rose to a max. heart rate of 136 ( 72% of Pr.MHR ) bpm. Resting blood Pressure 120 / 82 mmHg, rose to a maximum blood pressure of 132 / 86 mmHg.

Ref. Doctor: B.O.B  
( Summary Report edited by user )

**Dr. Uday Shankar Das**  
 MBBSt(Hons), MD(Med),  
 DM(Cardiol), DNB(Cardiol)  
 Doctor No - 64901 (W2MC)



biswanath das (32 M)

ID: li8910235

Date: 11/16/2021 B.P: 120 / 82

Protocol: Bruce

Stage: Supine

Speed: 0 mph

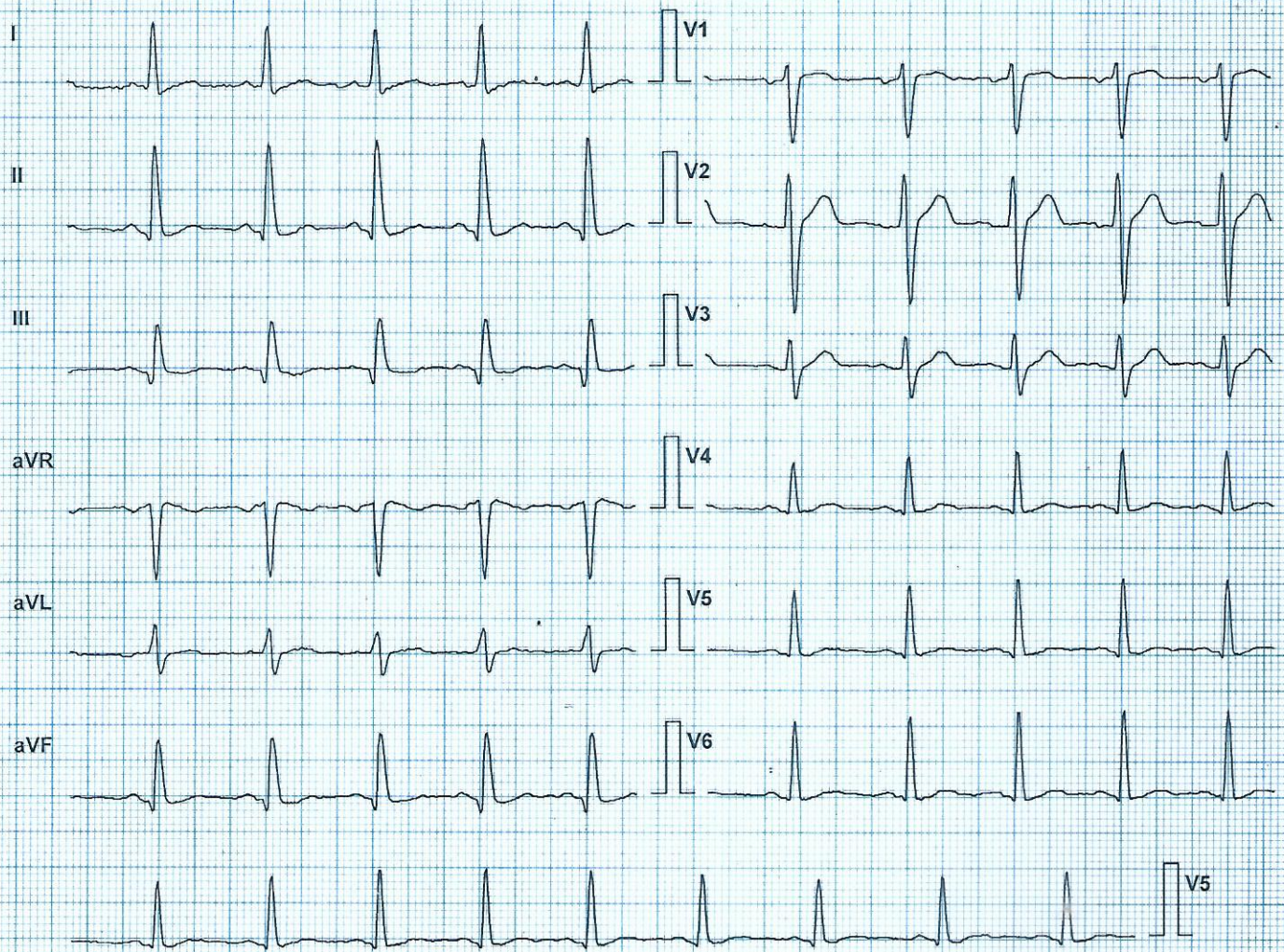
Grade: 0 %

Exec Time : 0 m 0 s

Stage Time : 1 m 0 s

HR: 87 bpm

(THR: 169 bpm)



Lead	ST Level (mm)	ST Slope (mV/s)
I	0.2	0.9
II	-0.1	0.5
III	-0.3	-0.5
aVR	-0.1	-0.7
aVL	0.1	0.2
aVF	-0.2	0.2
V1	0.7	0.5
V2	2.4	2.7
V3	1.2	1.2
V4	0.5	0.9
V5	0.3	0.7
V6	0.3	0.7

Chart Speed: 25 mm/sec

Filter: 35 Hz

Mains Filt: ON

Amp: 10 mm

(c) Schiller Healthcare India Pvt. Ltd. V 4.12

Iso = R - 60 ms J = R + 60 ms

Post J = J + 60 ms



biswanath das (32 M)

ID: li8910235

Date: 11/16/2021 B.P: 122 / 82

Protocol: Bruce

Stage: Standing

Speed: 0 mph

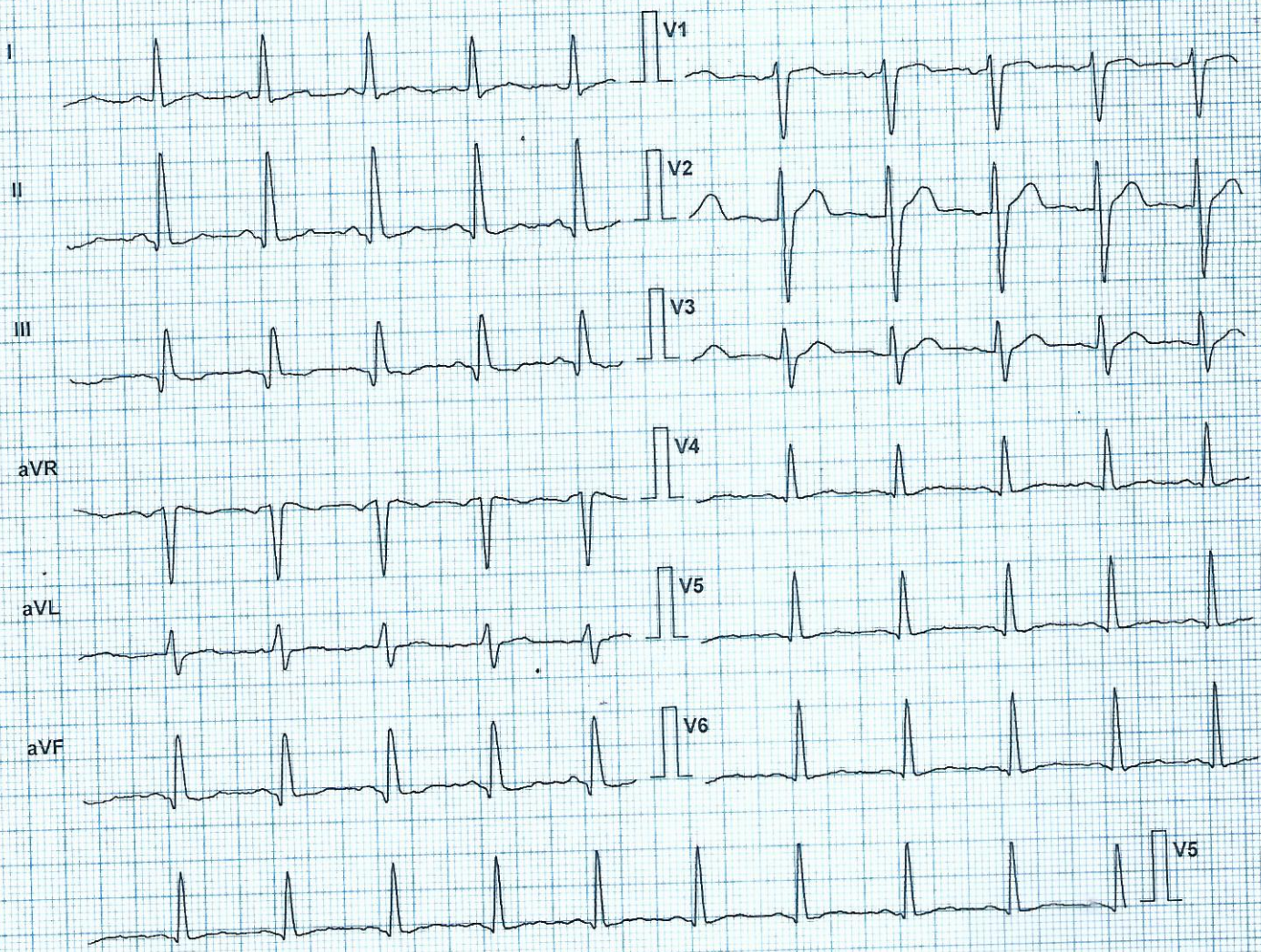
Grade: 0 %

Exec Time : 0 m 0 s

Stage Time : 1 m 1 s

HR: 108 bpm

(THR: 169 bpm)



Lead	ST Level (mm)	ST Slope (mV/s)
I	0.2	0.5
aVR	-0.1	-0.4
V1	0.7	0.5
V4	0.4	0.7
II	-0.1	0.2
aVL	0.1	0.2
V2	2.2	2.3
V5	0.3	0.7
III	-0.3	-0.5
aVF	-0.1	-0.2
V3	1.1	1.2
V6	0.2	0.7

Chart Speed: 25 mm/sec

Filter: 35 Hz

Mains Filt: ON

Amp: 10 mm

(c) Schiller Healthcare India Pvt. Ltd. V 4.12

Iso = R - 60 ms J = R + 60 ms

Post J = J + 60 ms



biswanath das (32 M)

ID: li8910235

Date: 11/16/2021 B.P: 122 / 82

Protocol: Bruce

Stage: Hyperventilation

Speed: 0 mph

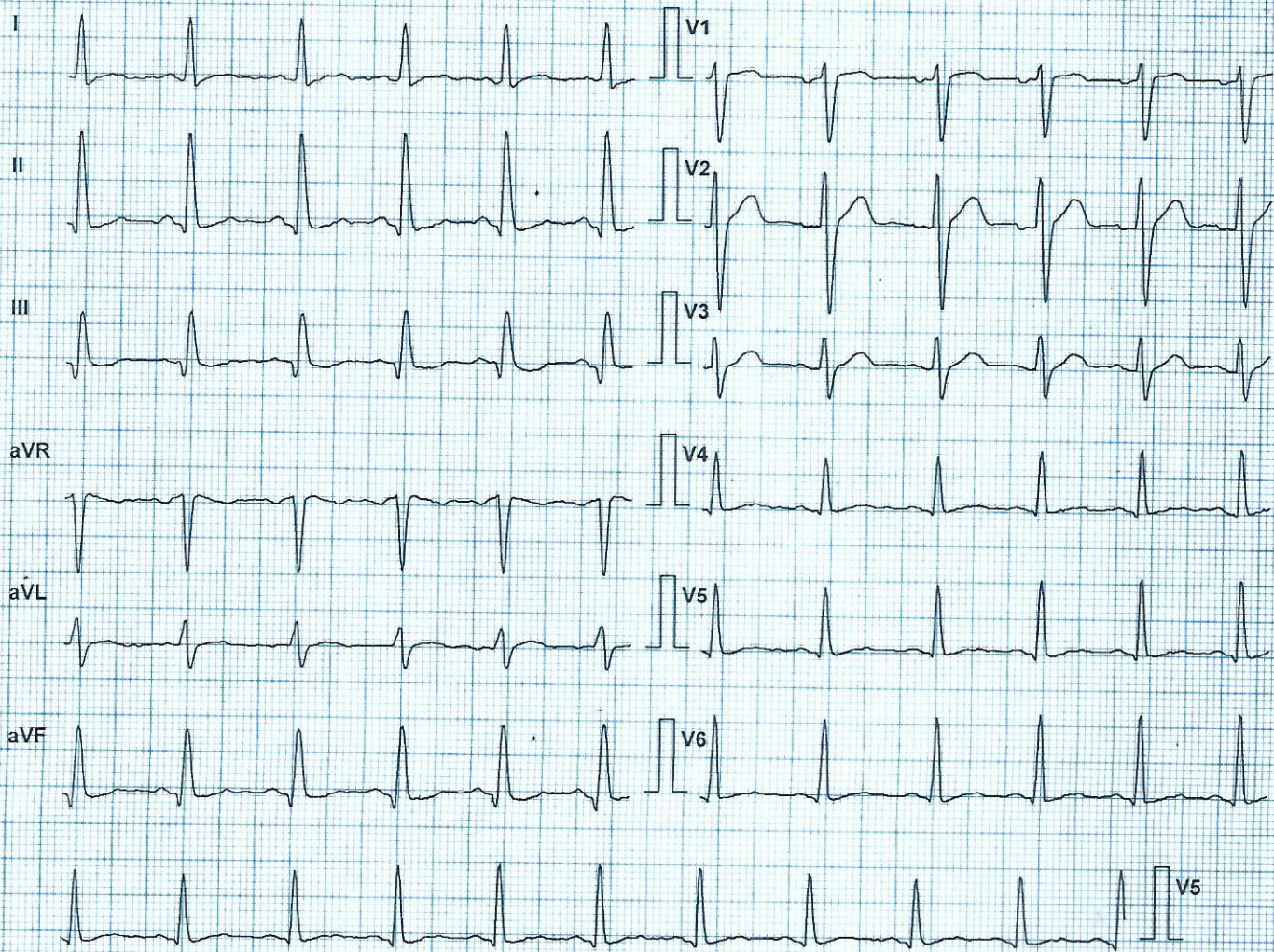
Grade: 0 %

Exec Time : 0 m 0 s

Stage Time : 1 m 0 s

HR: 101 bpm

(THR: 169 bpm)



Lead	ST Level (mm)	ST Slope (mV / s)
I	0.3	0.9
II	0.0	0.4
III	-0.3	-0.4
aVR	-0.1	-0.5
aVL	0.1	0.2
aVF	-0.2	0.0
V1	0.6	0.4
V2	2.2	2.5
V3	1.1	1.1
V4	0.4	0.7
V5	0.3	0.5
V6	0.3	0.7

Chart Speed: 25 mm/sec

Filter: 35 Hz

Mains Filt: ON

Amp: 10 mm

(c)Schiller Healthcare India Pvt. Ltd. V 4.12

Iso = R - 60 ms J = R + 60 ms

Post J = J + 60 ms



biswanath das (32 M)

ID: li8910235

Date: 11/16/2021 B.P: 128 / 85

Protocol: Bruce

Stage: Pre Test

Speed: 0.5 mph

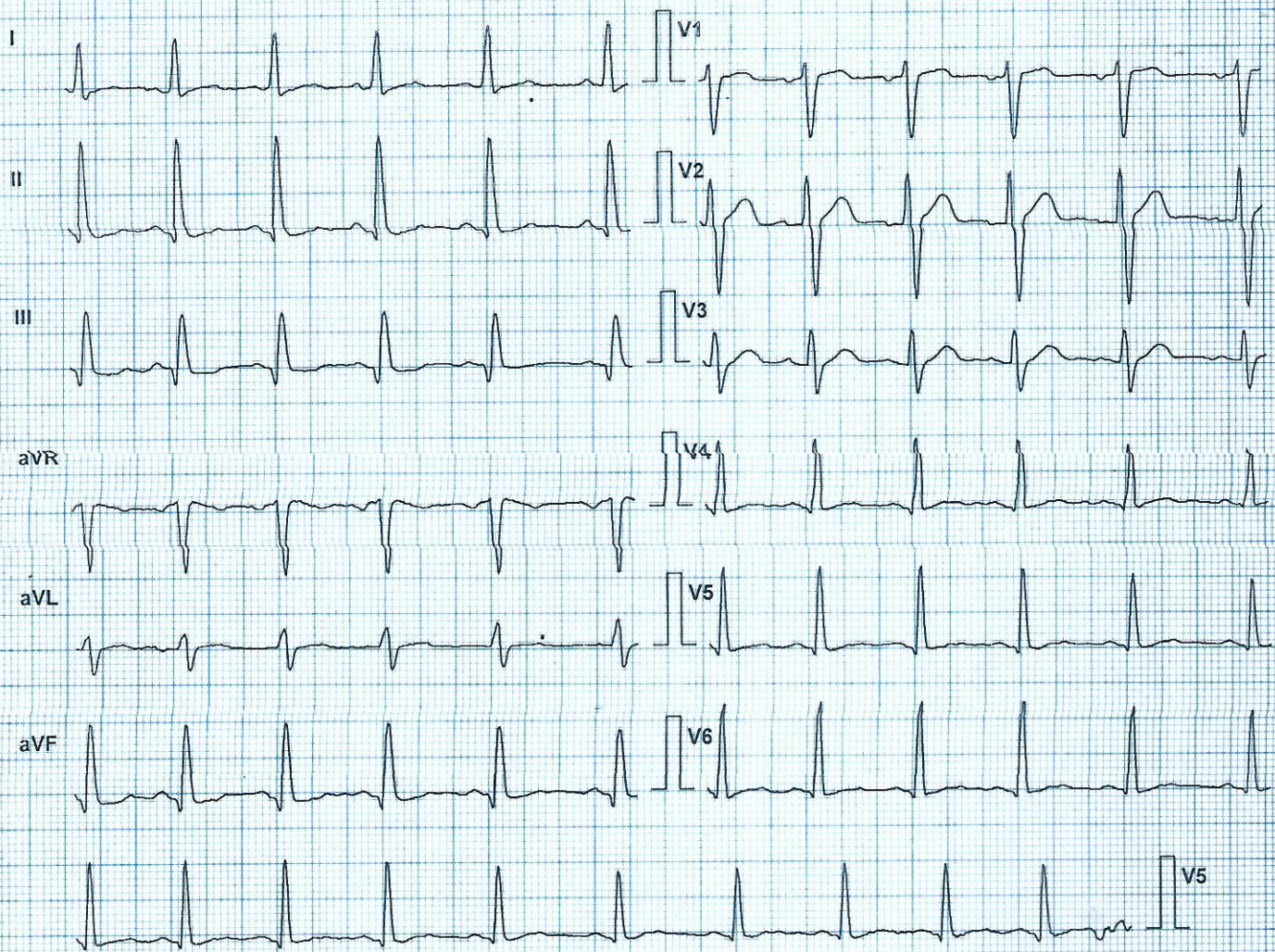
Grade: 0.5 %

Exec Time : 0 m 0 s

Stage Time : 0 m 0 s

HR: 100 bpm

(THR: 169 bpm)



Lead	ST Level (mm)	ST Slope (mV/s)
I	0.2	0.4
aVR	-0.1	-0.4
V1	0.6	0.4
V4	0.4	0.5
II	-0.1	0.4
aVL	0.1	0.2
V2	2.2	2.5
V5	0.3	0.5
III	-0.4	-0.4
aVF	-0.3	0.0
V3	1.1	1.1
V6	0.3	0.7

Chart Speed: 25 mm/sec

Filter: 35 Hz

Mains Filt: ON Amp: 10 mm

(c) Schiller Healthcare India Pvt. Ltd. V 4.12

Iso = R + 60 ms J = R + 60 ms Post J = J + 60 ms



biswanath das (32 M)

ID: li8910235

Date: 11/16/2021 B.P: 132 / 86

Protocol: Bruce

Stage: 1

Speed: 1.7 mph

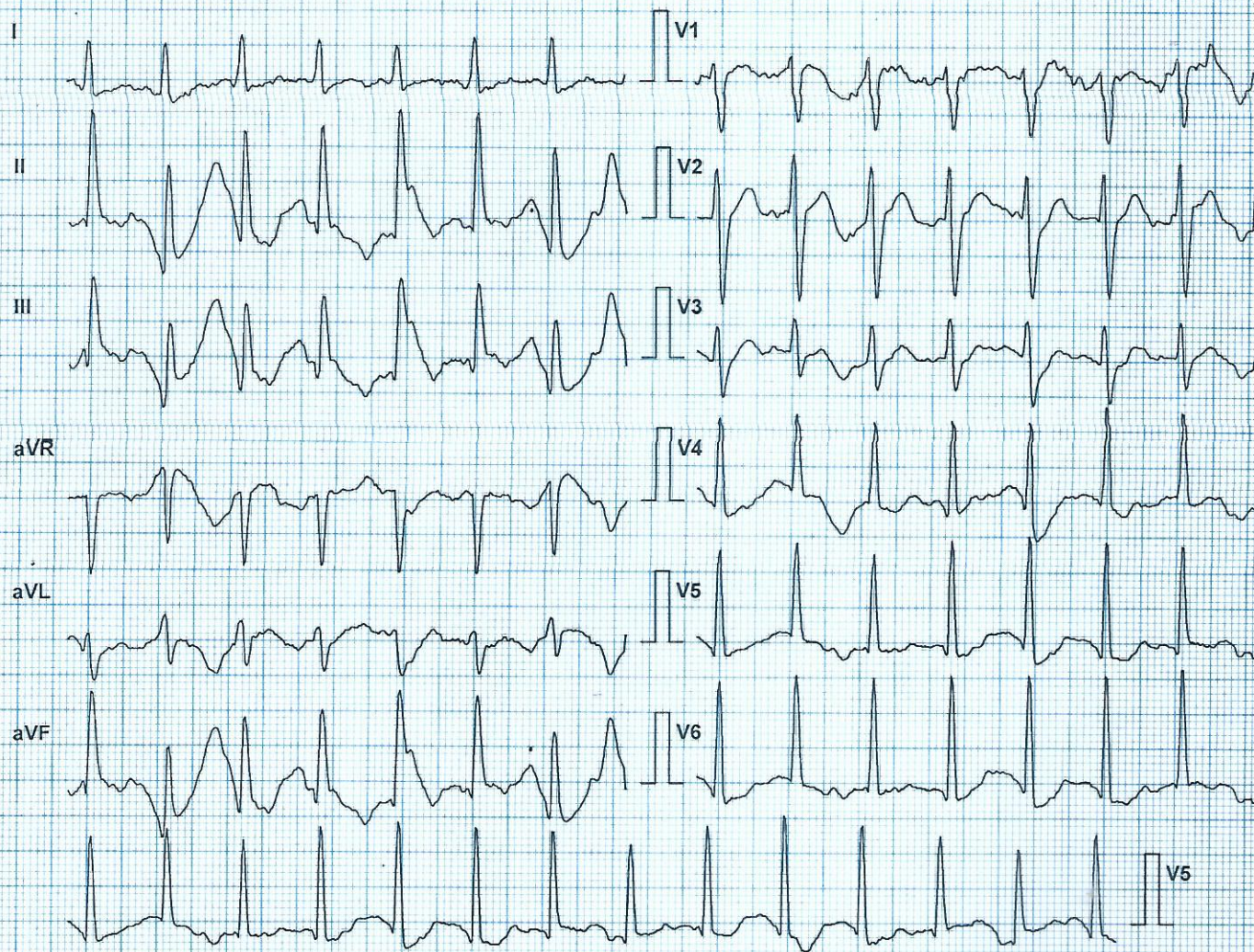
Grade: 10 %

Exec Time : 3 m 0 s

Stage Time : 3 m 0 s

HR: 136 bpm

(THR: 169 bpm)



Lead	ST Level (mm)	ST Slope (mV/s)
I	0.2	0.9
II	-0.5	0.5
III	-0.8	-0.7
aVR	0.2	-0.7
aVL	0.4	0.7
aVF	-0.6	0.0
V1	1.0	0.7
V2	2.3	2.8
V3	0.7	1.4
V4	-0.5	0.9
V5	-0.4	0.4
V6	-0.5	0.5

Chart Speed: 25 mm/sec

Filter: 35 Hz

Mains Filt: ON

Amp: 10 mm

(c) Schiller Healthcare India Pvt. Ltd. V 4.12

Iso = R - 60 ms

J = R + 60 ms

Post J = J + 60 ms



biswanath das (32 M)

ID: li8910235

Date: 11/16/2021 B.P: 132 / 86

Protocol: Bruce

Stage: 2

Speed: 2.5 mph

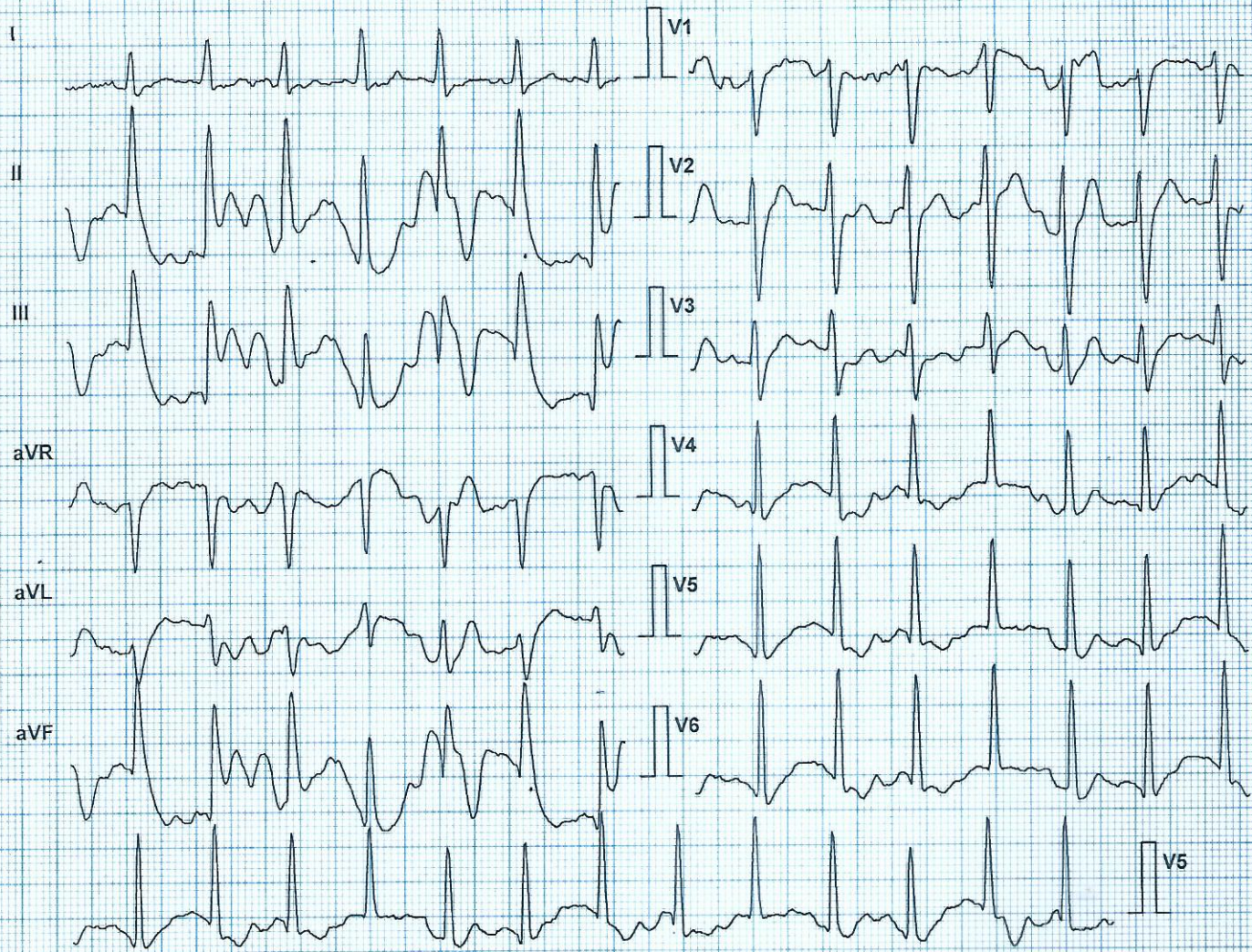
Grade: 12 %

Exec Time : 5 m 5 s

Stage Time : 2 m 5 s

HR: 135 bpm

(THR: 169 bpm)



Lead	ST Level (mm)	ST Slope (mV/s)
I	-0.1	0.5
II	0.4	-0.4
III	0.5	-0.7
aVR	-0.1	0.0
aVL	-0.3	0.4
aVF	0.4	-0.5
V1	0.5	-0.2
V2	2.1	3.4
V3	0.4	1.8
V4	-1.0	0.9
V5	-1.1	0.4
V6	-1.3	0.2

Chart Speed: 25 mm/sec

Filter: 35 Hz

Mains Filt: ON

Amp: 10 mm

(c) Schiller Healthcare India Pvt. Ltd. V 4.12

Isp = R - 60 ms J = R + 60 ms

Post J = J + 60 ms



biswanath das (32 M)

ID: li8910235

Date: 11/16/2021 B.P: 132 / 86

Protocol: Bruce

Stage: 3

Speed: 3.4 mph

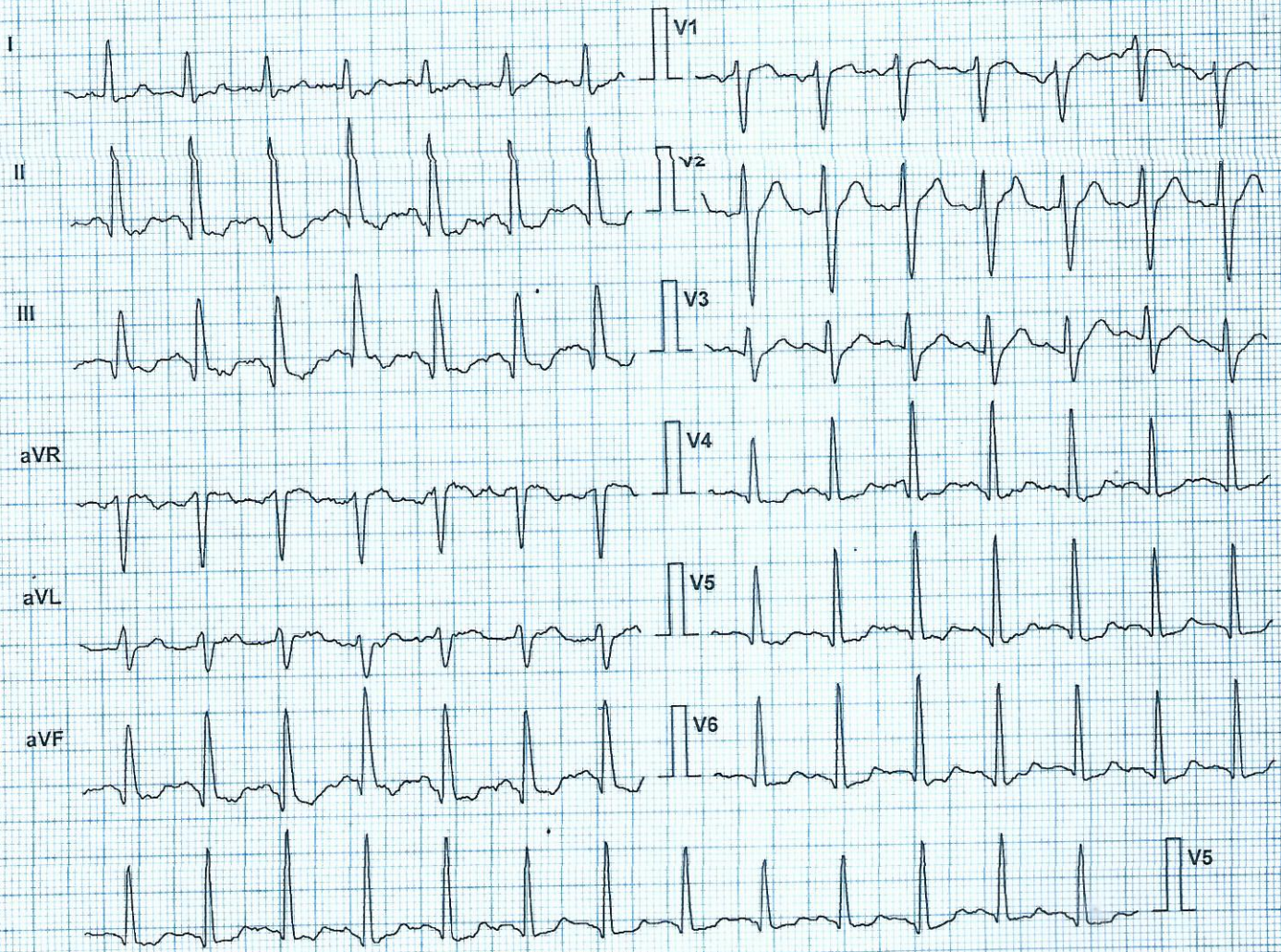
Grade: 14 %

Exec Time : 7 m 21 s

Stage Time : 2 m 16 s

HR: 134 bpm

(THR: 169 bpm)



Lead	ST Level (mm)	ST Slope (mV/s)
I	0.3	0.7
aVR	0.5	-0.4
V1	1.1	0.7
V4	-0.2	0.4
II	-1.4	-0.2
aVL	0.8	0.9
V2	2.5	3.0
V5	-0.4	0.0
III	-1.7	-1.1
aVF	-1.5	-0.5
V3	1.1	1.9
V6	-0.4	0.2

Chart Speed: 25 mm/sec

Filter: 35 Hz

Mains Filt: ON

Amp: 10 mm

(c) Schiller Healthcare India Pvt. Ltd. V 4.12

Iso = R - 60 ms J = R + 60 ms

Post J = J + 60 ms



biswanath das (32 M)

ID: li8910235

Date: 11/16/2021 B.P: 132 / 86

Protocol: Bruce

Stage: Peak Ex

Speed: 4.2 mph

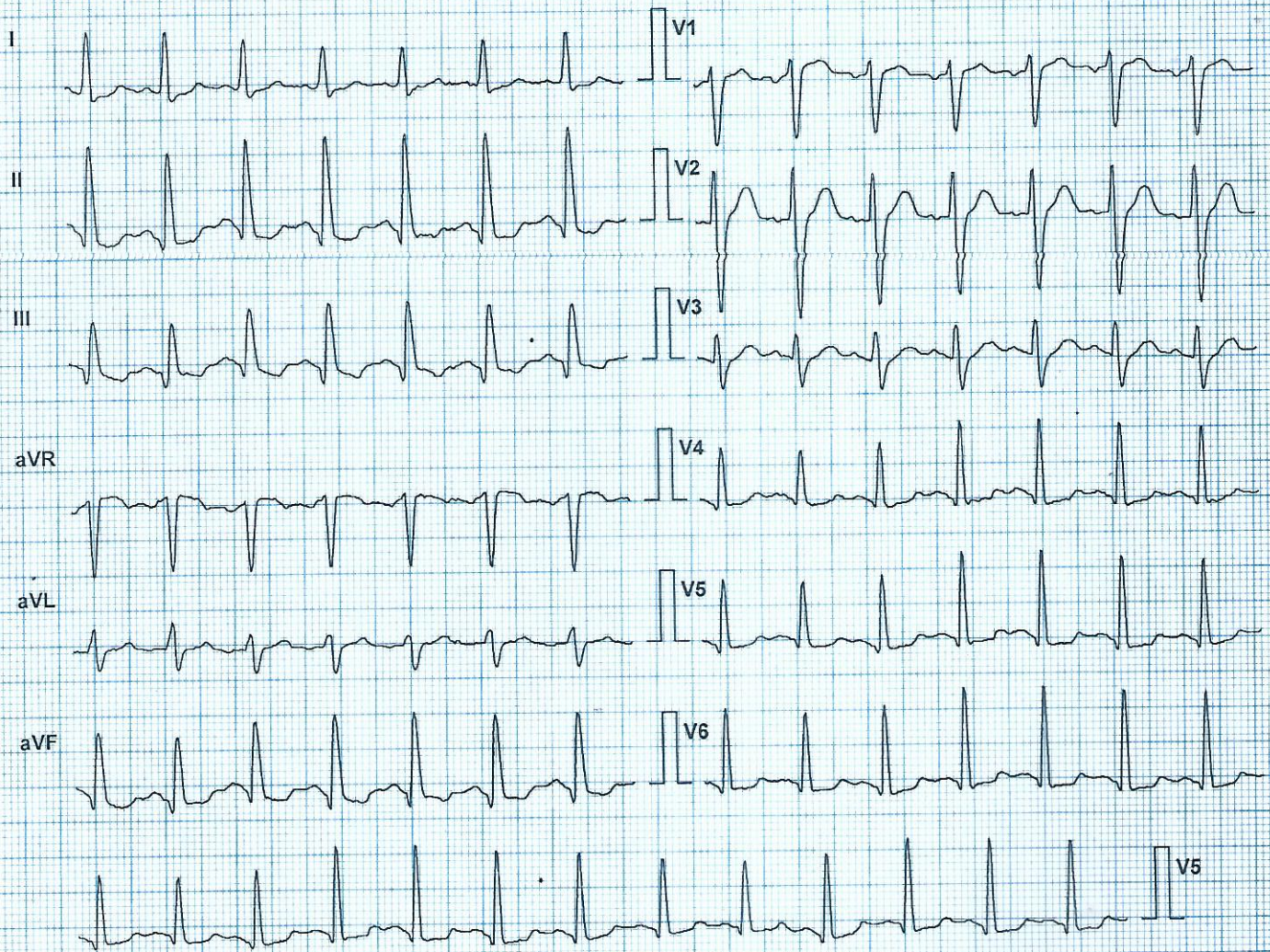
Grade: 16 %

Exec Time : 7 m 27 s

Stage Time : 0 m 6 s

HR: 133 bpm

(THR: 169 bpm)



Lead	ST Level (mm)	ST Slope (mV/s)
I	0.0	0.5
II	-1.2	-0.2
III	-1.2	-0.9
aVR	0.5	-0.2
aVL	0.4	0.5
aVF	-1.2	-0.5
V1	1.5	0.5
V2	2.7	3.5
V3	1.1	1.8
V4	-0.4	0.5
V5	-0.4	0.4
V6	-0.4	0.5

Chart Speed: 25 mm/sec

Filter: 35 Hz

Mains Filt: ON

Amp: 10 mm

(c) Schiller Healthcare India Pvt. Ltd. V4.12

Iso = R - 60 ms J = R + 60 ms

Post J = J + 60 ms



biswanath das (32 M)

ID: li8910235

Date: 11/16/2021 B.P: 132 / 86

Protocol: Bruce

Stage: Recovery(1)

Speed: 0 mph

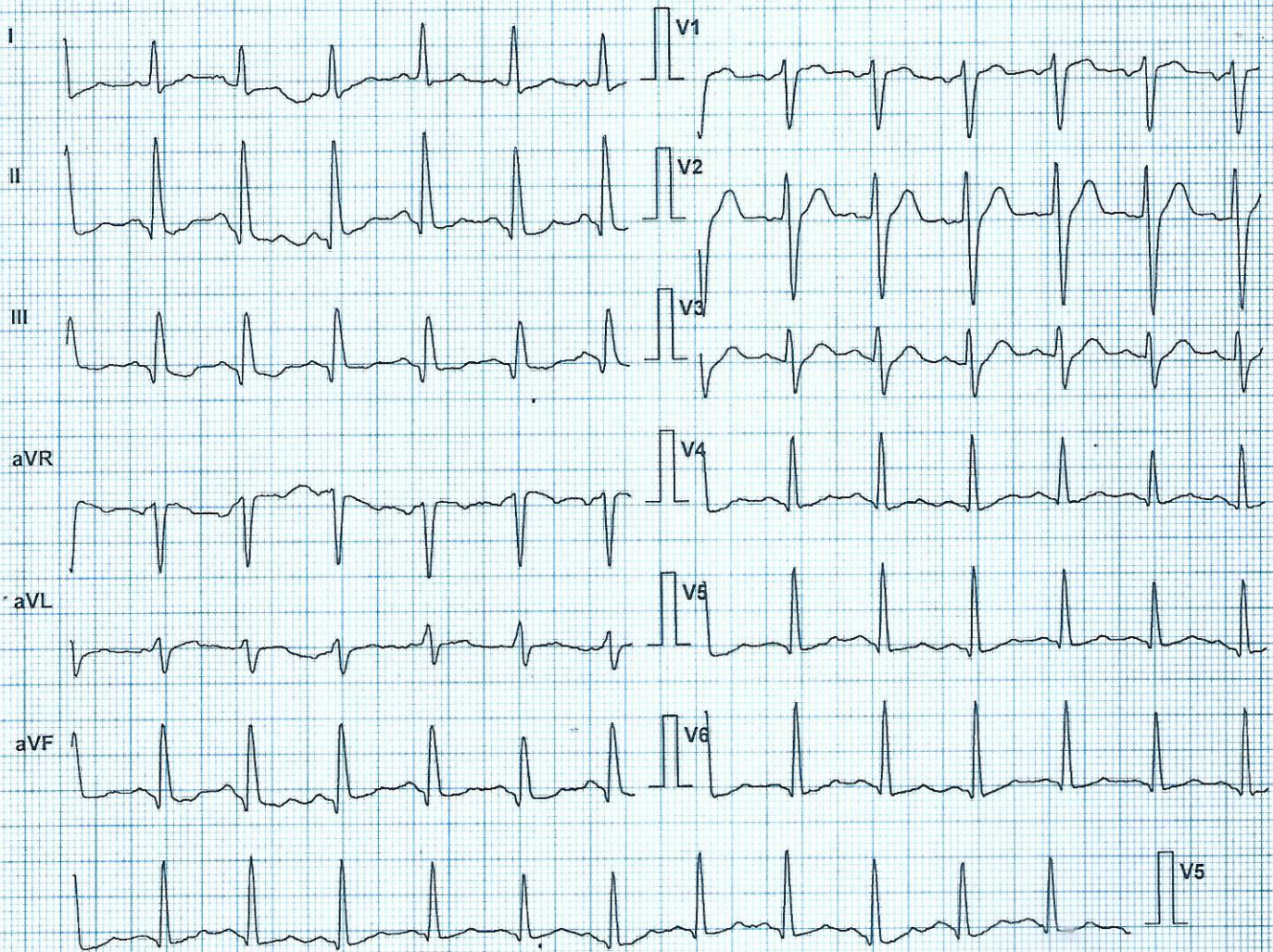
Grade: 0 %

Exec Time : 7 m 27 s

Stage Time : 1 m 0 s

HR: 119 bpm

(THR: 169 bpm)



Lead	ST Level (mm)	ST Slope (mV/s)
I	0.0	0.4
II	-0.7	0.0
III	-0.7	-0.4
aVR	0.4	-0.2
aVL	0.2	0.4
aVF	-0.8	-0.4
V1	1.0	0.9
V2	2.7	3.9
V3	1.1	1.9
V4	0.1	0.9
V5	-0.1	0.7
V6	-0.2	0.5

Chart Speed: 25 mm/sec

Filter: 35 Hz

Mains Filt: ON

Amp: 10 mm

(c) Schiller Healthcare India Pvt. Ltd. V 4.12

Isq = R - 60 ms J = R + 60 ms

Post J = J + 60 ms



biswanath das (32 M)

ID: li8910235

Date: 11/16/2021 B.P: 130 / 84

Protocol: Bruce

Stage: Recovery(2)

Speed: 0 mph

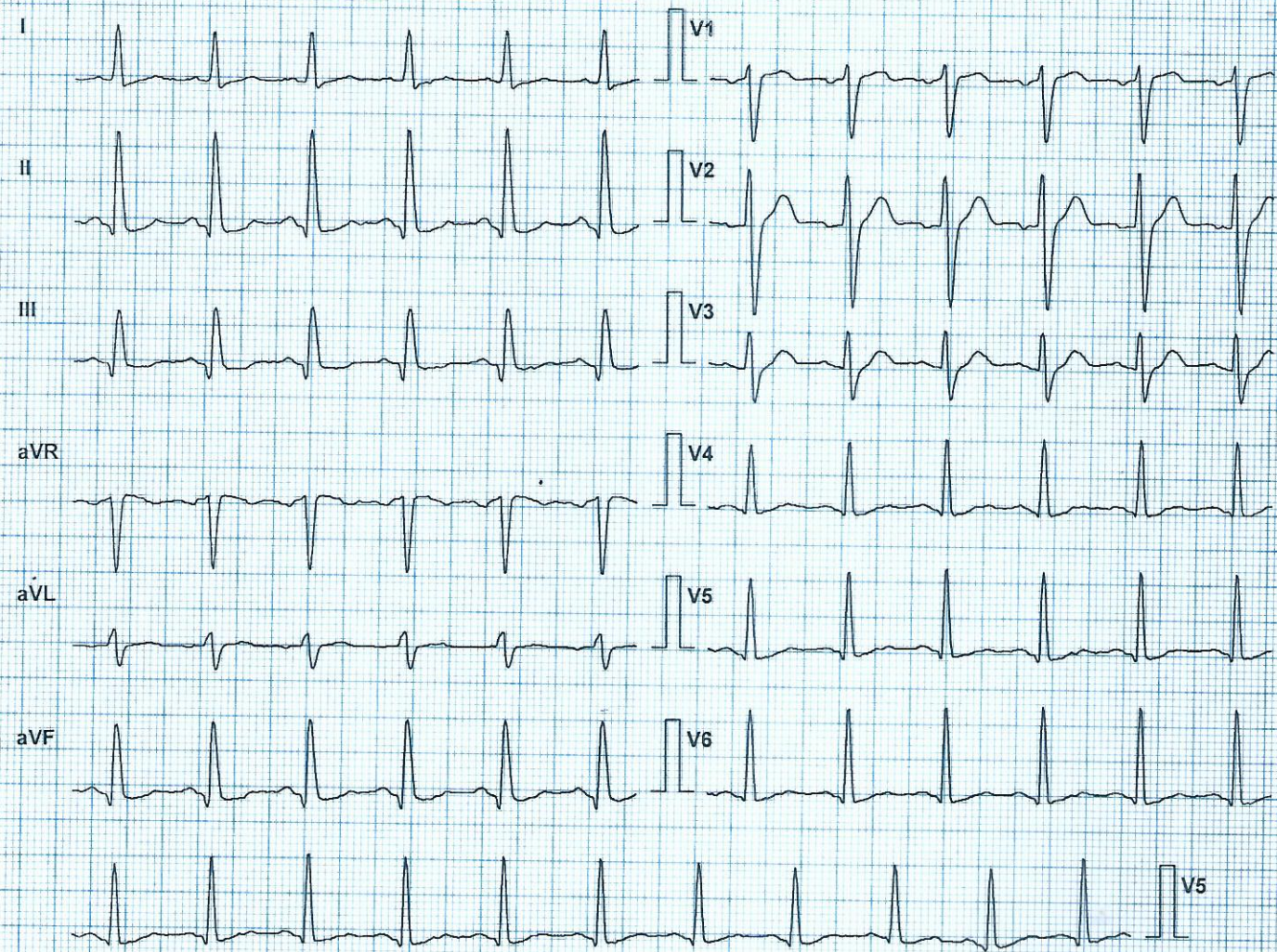
Grade: 0 %

Exec Time : 7 m 27 s

Stage Time : 1 m 0 s

HR: 109 bpm

(THR: 169 bpm)



Lead	ST Level (mm)	ST Slope (mV/s)
I	0.0	0.5
II	-0.4	0.2
III	-0.4	-0.2
aVR	0.2	-0.4
aVL	0.0	0.0
aVF	-0.4	0.0
V1	0.8	0.7
V2	2.0	2.7
V3	1.0	1.6
V4	0.1	0.9
V5	0.0	0.7
V6	0.0	0.7

Chart Speed: 25 mm/sec

Filter: 35 Hz

Mains Filt: ON

Amp: 10 mm

(c) Schiller Healthcare India Pvt. Ltd. V 4.12

Iso = R - 60 ms

J = R + 60 ms

Post J = J + 60 ms



biswanath das (32 M)

ID: li8910235

Date: 11/16/2021 B.P: 128 / 82

Protocol: Bruce

Stage: Recovery(3)

Speed: 0 mph

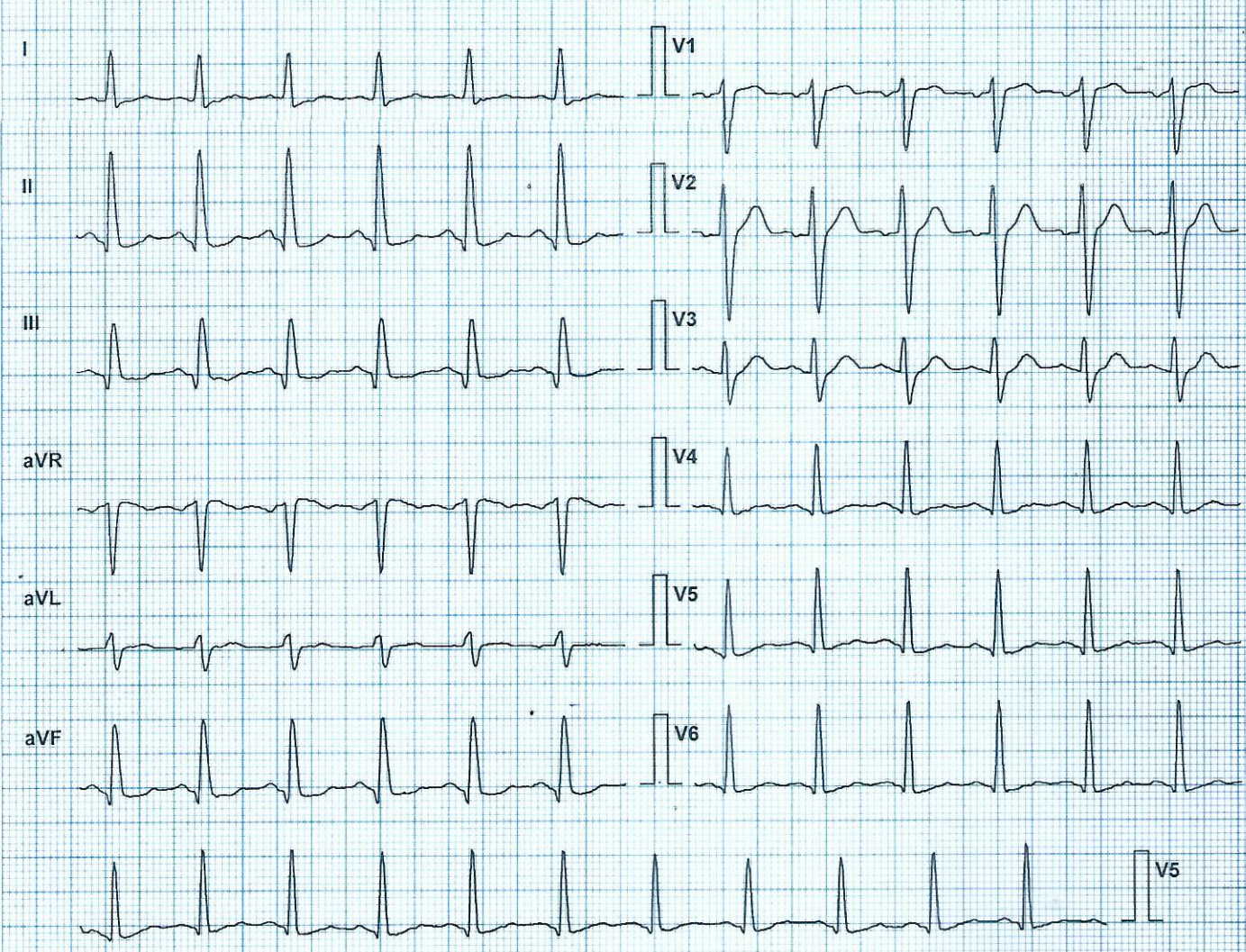
Grade: 0 %

Exec Time : 7 m 27 s

Stage Time : 0 m 0 s

HR: 113 bpm

(THR: 169 bpm)



Lead	ST Level (mm)	ST Slope (mV/s)
I	0.0	0.4
II	-0.4	0.4
III	-0.4	-0.2
aVR	0.2	-0.4
aVL	0.0	0.0
aVF	-0.4	0.0
V1	0.8	0.7
V2	1.9	2.7
V3	1.0	1.6
V4	0.1	0.9
V5	0.0	0.7
V6	-0.1	0.7