



Protocol : BRUCE

History :

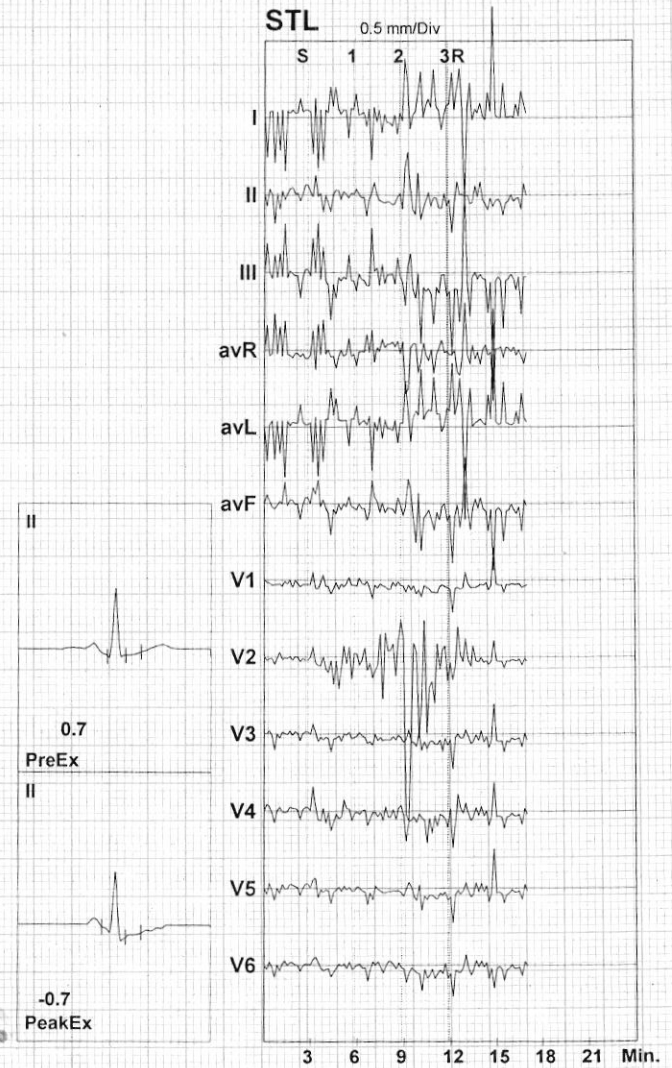
Stage	StageTime (Min:Sec)	PhaseTime (Min:Sec)	Speed (mph)	Grade (%)	METs	H.R. (bpm)	B.P. (mmHg)	R.P.P. x100	PVC	Comments
Supine					1.0	97	110/70	106	-	
Standing					1.0	101	110/70	111	-	
HV					1.0	93	110/70	102	-	
ExStart					1.0	101	110/70	111	-	
Stage 1	3:00	3:01	1.7	10.0	4.7	119	118/80	140	-	
Stage 2	3:00	6:01	2.5	12.0	7.1	122	128/86	156	-	
Stage 3	3:00	9:01	3.4	14.0	10.2	142	138/96	195	-	
PeakEx	0:05	9:06	4.2	16.0	10.3	137	138/96	189	-	
Recovery	1:00		0.0	0.0	4.3	102	136/92	138	-	
Recovery	3:00		0.0	0.0	1.0	102	130/88	132	-	
Recovery	5:00		0.0	0.0	1.0	95	124/82	117	-	
Recovery	4:12		0.0	0.0	1.0	103	124/82	127	-	

Findings :

Exercise time : 09:06
 Max HR Attained : 142 bpm 75% of Max Predictable HR 189
 Max BP : 138/96(mmHg)
 Max WorkLoad attained : 10.3(Good Effort Tolerance)

TMT negative for ischemia

*Dr. Anil Kumar Singh
 M.D.B.S., M.B.B.
 Medical Specialist
 Ex-Registrar CMC, Ludh.*



Advice/Comments:

ST Summary



Protocol : BRUCE

		I	II	III	avR	avL	avF	V1	V2	V3	V4	V5	V6
STL (mm) 86 mSecs Post J	Supine	-2.5	-0.7	1.9	1.5	-2.2	0.6	-0.1	-0.2	0.0	0.5	-0.4	-0.3
	Standing	0.4	0.0	-0.4	-0.2	0.4	-0.2	-0.3	-0.1	-0.1	-0.1	-0.1	-0.1
	HV	-2.1	-0.9	1.2	1.5	-1.7	0.2	-0.2	0.3	-0.3	0.2	-0.3	-0.3
	ExStart	0.5	0.7	0.2	-0.5	0.1	0.4	-0.3	-0.2	0.1	0.2	0.3	0.1
	Stage 1	0.7	0.1	-0.5	-0.4	0.6	-0.2	-0.3	-1.4	-0.3	-0.6	-0.2	-0.3
	Stage 2	-1.1	-0.1	1.0	0.6	-1.0	0.4	-0.1	0.9	-0.1	0.2	-0.1	0.2
	Stage 3	0.2	0.1	-0.1	-0.2	0.1	0.0	-0.4	0.7	-0.3	-0.5	-0.2	0.1
	PeakEx	0.8	-0.7	-1.5	-0.1	1.2	-1.1	-0.5	-1.6	-0.8	-1.1	-0.8	-0.9
	Recovery	0.6	-0.1	-0.8	-0.3	0.7	-0.4	-0.4	-0.2	-0.3	-0.2	-0.2	-0.3
	Recovery	7.3	-0.7	-8.0	-3.3	7.7	-4.4	2.1	1.0	1.9	1.8	2.5	-1.5
	Recovery	1.0	0.7	-0.3	-0.9	0.6	0.2	-0.4	-0.1	0.0	0.2	0.2	0.2
STS mV/Sec.	Supine	1.3	0.5	-0.9	-0.9	1.1	-0.2	-0.2	-0.4	0.2	0.0	0.3	0.1
	Standing	0.5	0.4	-0.1	-0.4	0.3	0.1	-0.2	0.0	0.1	0.2	0.2	0.1
	HV	0.7	0.3	-0.4	-0.5	0.6	-0.1	-0.1	-0.1	0.2	0.0	0.2	0.1
	ExStart	0.6	0.6	0.0	-0.7	0.3	0.3	-0.2	-0.2	0.2	0.3	0.2	0.1
	Stage 1	0.6	0.2	-0.4	-0.4	0.5	-0.1	-0.3	-0.5	0.0	0.1	0.1	-0.1
	Stage 2	-0.5	0.0	0.5	0.3	-0.5	0.2	-0.1	0.5	0.0	0.0	0.0	0.1
	Stage 3	0.7	0.5	-0.3	-0.6	0.5	0.1	-0.4	0.4	0.2	-0.4	0.2	0.2
	PeakEx	1.4	0.8	-0.6	-1.1	1.0	0.1	-0.3	-1.3	0.2	-0.1	0.3	-0.2
	Recovery	0.8	0.5	-0.3	-0.6	0.5	0.2	-0.4	-0.1	0.2	0.3	0.3	0.1
	Recovery	-0.1	1.0	1.1	-0.4	-0.6	1.0	-0.2	-0.2	0.2	0.5	0.7	0.7
	Recovery	0.6	0.9	0.3	-0.8	0.2	0.6	0.1	0.2	0.5	0.5	0.5	0.4

STI on Next Page

STI	μVs		I	II	III	avR	avL	avF	V1	V2	V3	V4	V5	V6
		Supine	-24.0	-6.9	17.6	15.0	-20.7	5.2	-0.3	-0.5	-0.2	3.7	-4.2	-2.5
		Standing	1.8	-1.5	-3.1	-0.2	2.4	-2.3	-1.6	-0.7	-1.3	-1.4	-1.7	-1.3
		HV	-19.5	-8.3	11.0	13.9	-15.4	1.4	-1.3	3.2	-2.5	2.0	-3.4	-3.1
		ExStart	1.6	2.7	1.3	-1.9	0.1	1.9	-1.5	-0.9	0.3	0.6	1.2	0.1
		Stage 1	3.9	1.4	-2.3	-2.6	3.0	-0.3	-1.1	-10.1	-1.6	-5.1	-0.9	-1.5
		Stage 2	-7.3	-1.0	6.4	4.1	-6.9	2.7	-0.6	5.4	-0.5	1.6	-1.0	1.2
		Stage 3	-2.3	-2.7	-0.3	2.5	-1.3	-1.4	-1.9	5.4	-3.9	-4.3	-3.3	-0.3
		PeakEx	1.0	-7.9	-8.8	3.4	5.0	-8.3	-2.9	-10.3	-6.4	-7.7	-7.1	-6.1
		Recovery	1.7	-3.3	-5.1	0.7	3.4	-4.2	-1.7	-1.5	-3.3	-2.9	-3.1	-2.4
		Recovery	60.0	-10.8	-70.8	-24.8	65.5	-40.7	17.5	9.0	14.6	11.8	16.6	-15.7
		Recovery	7.7	3.2	-4.5	-5.4	6.0	-0.6	-5.3	-2.7	-2.8	-1.0	-0.1	0.4

Handwritten signature

HR: 99 bpm
METS: 1.0
BP: 110/70

MpHR: 52% of 189
Speed: 0.0 mph
Grade: 0.0%

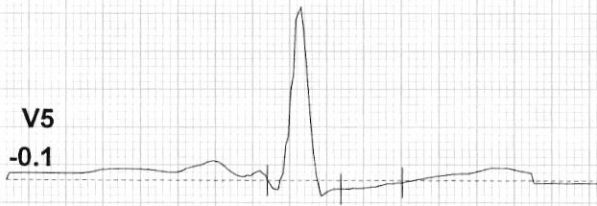
Raw ECG
BRUCE
(0.05-100)Hz

Ex Time 00:14
BLC :On
Notch :On

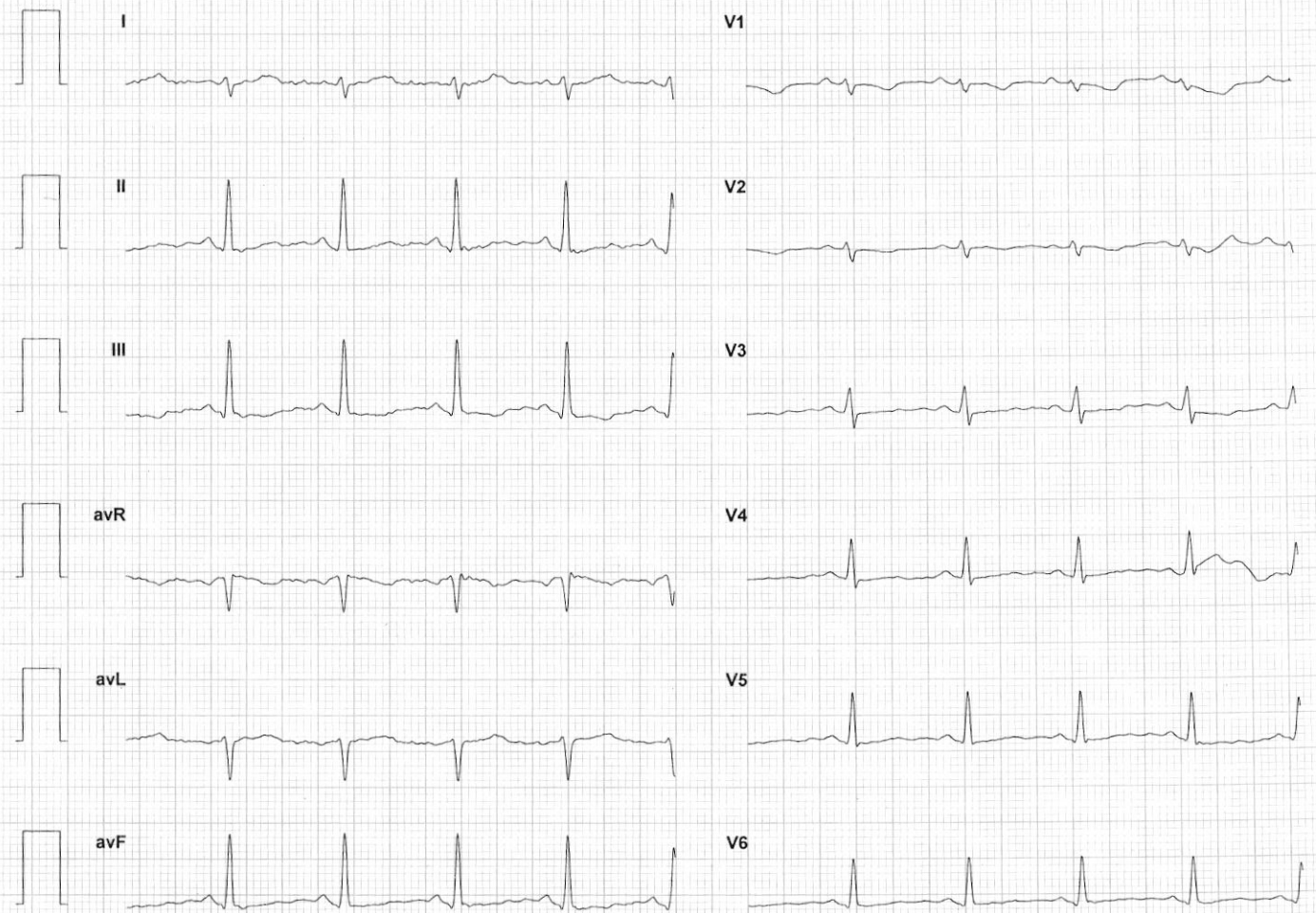
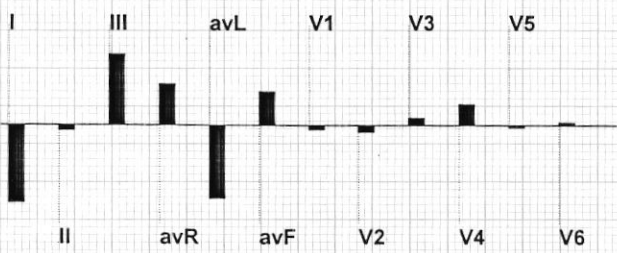
SUPINE
10.0 mm/mV
25 mm/Sec.



4X 80 mS Post J



Reetu





HR: 101 bpm
METS: 1.0
BP: 110/70

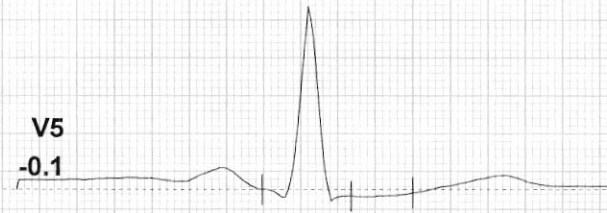
MpHR: 53% of 189
Speed: 0.0 mph
Grade: 0.0%

Raw ECG
BRUCE
(0.05-100)Hz

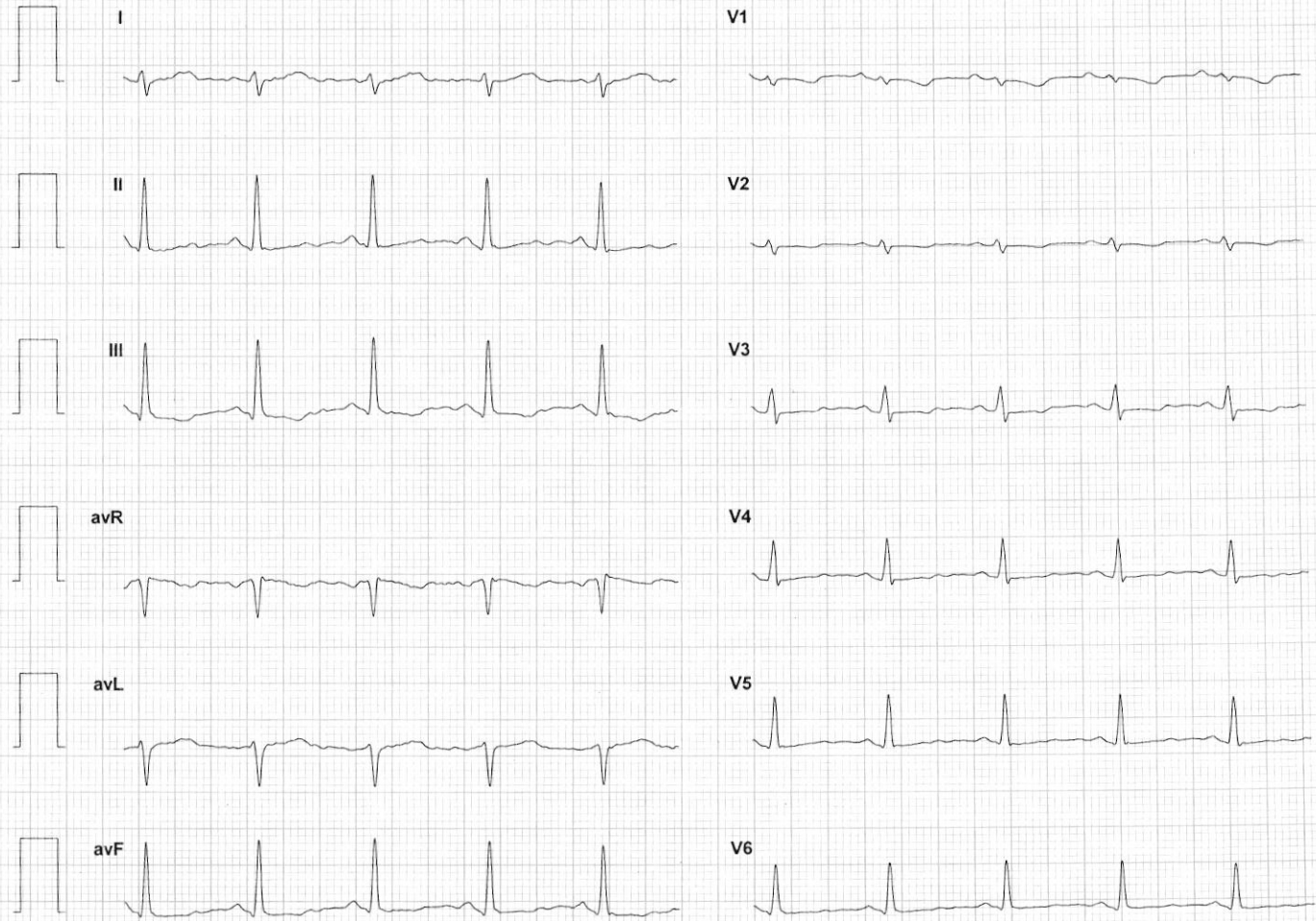
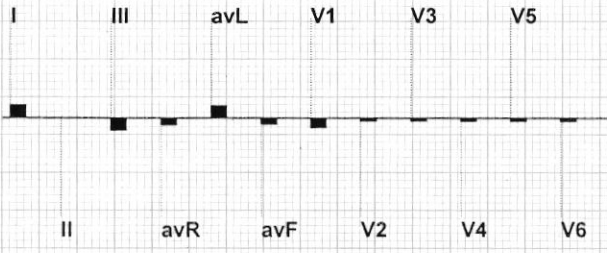
Ex Time 00:34
BLC :On
Notch :On

Standing
10.0 mm/mV
25 mm/Sec.

4X 87 mS Post J



Reetu



HR: 93 bpm

METS: 1.0

BP: 110/70

MPHR:49% of 189

Speed: 0.0 mph

Grade: 0.0%

Raw ECG

BRUCE

(0.05-100)Hz

Ex Time 01:02

BLC :On

Notch :On

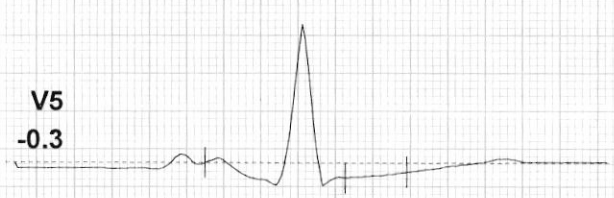
HV

10.0 mm/mV

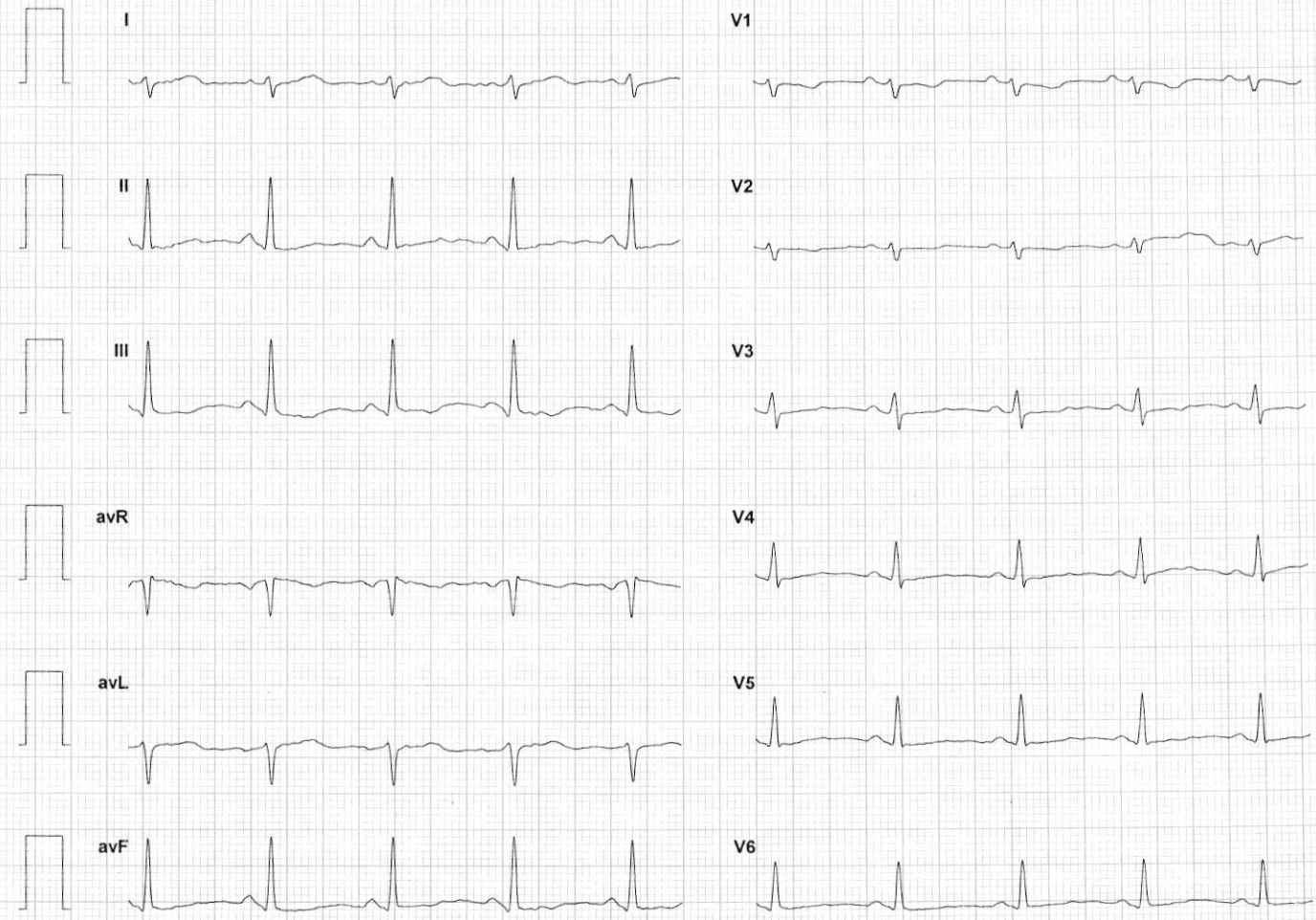
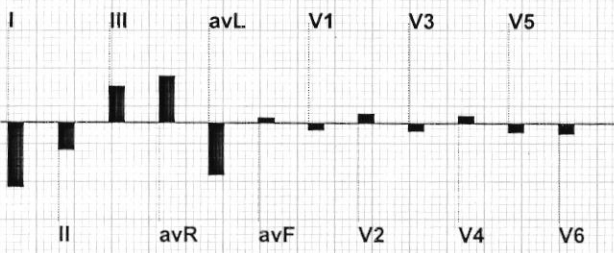
25 mm/Sec.



4X 87 mS Post J



Handwritten signature



HR: 101 bpm
METS: 1.0
BP: 110/70

MPHR: 53% of 189
Speed: 0.0 mph
Grade: 0.0%

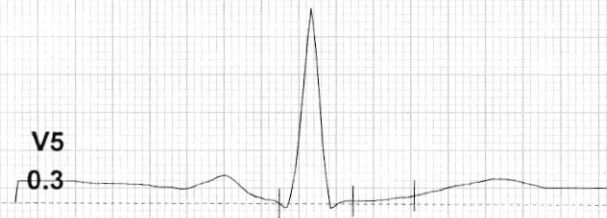
Raw ECG
BRUCE
(0.05-100)Hz

Ex Time 02:49
BLC :On
Notch :On

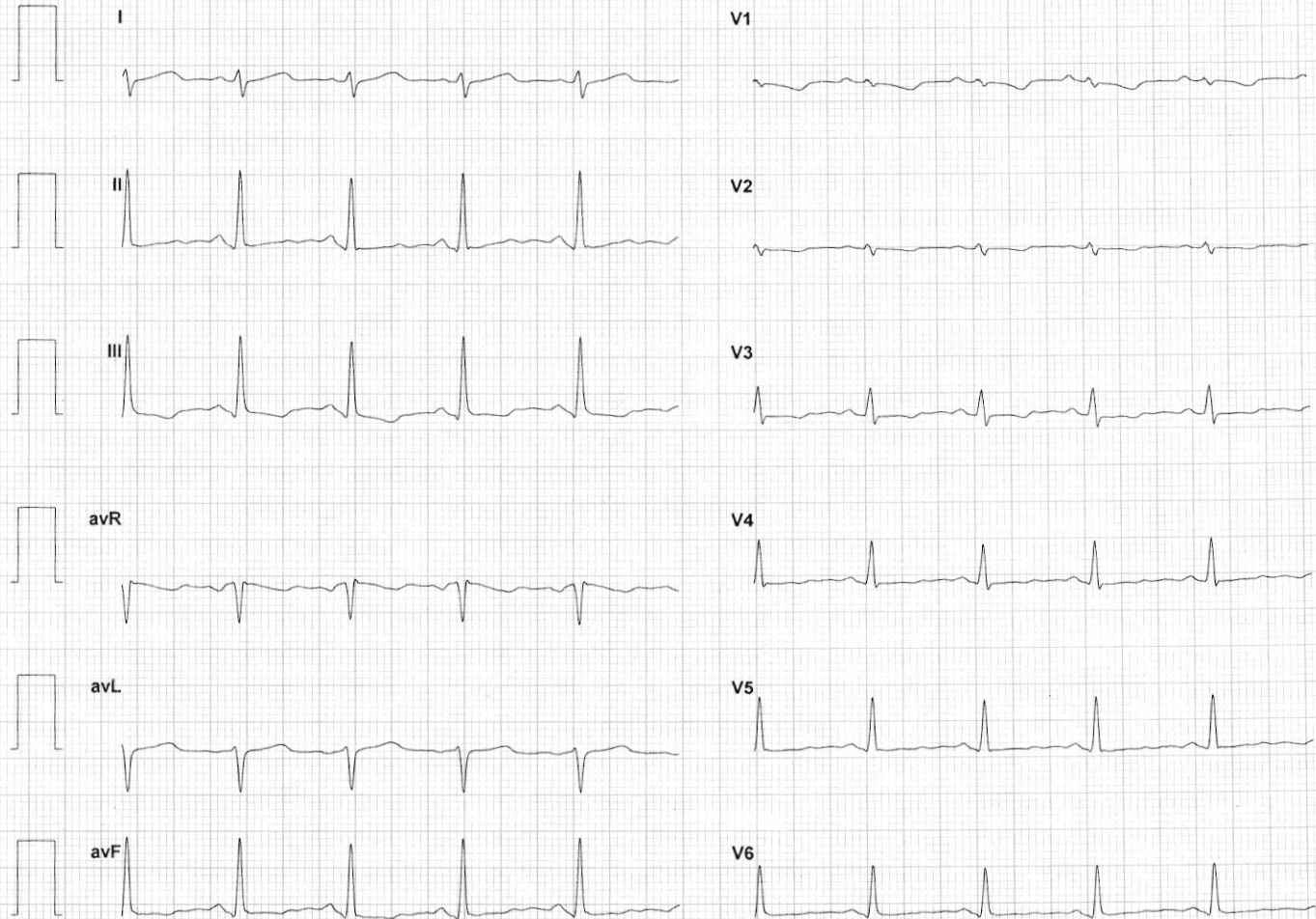
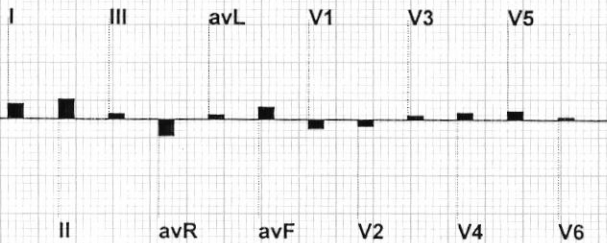
ExStart
10.0 mm/mV
25 mm/Sec.



4X 87 mS Post J



Rate



HR: 119 bpm
METS: 4.7
BP: 118/80

MPHR: 62% of 189
Speed: 1.7 mph
Grade: 10.0%

Raw ECG
BRUCE
(0.05-100)Hz

Ex Time 03:00
BLC : On
Notch : On

BRUCE: Stage 1 (3:00)
10.0 mm/mV
25 mm/Sec.

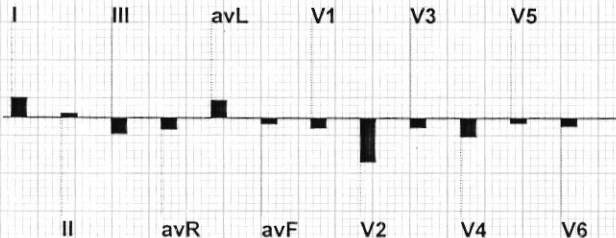


4X 87 mS Post J



V5
-0.2

[Handwritten signature]



HR: 122 bpm
METS: 7.1
BP: 128/86

MPHR: 64% of 189
Speed: 2.5 mph
Grade: 12.0%

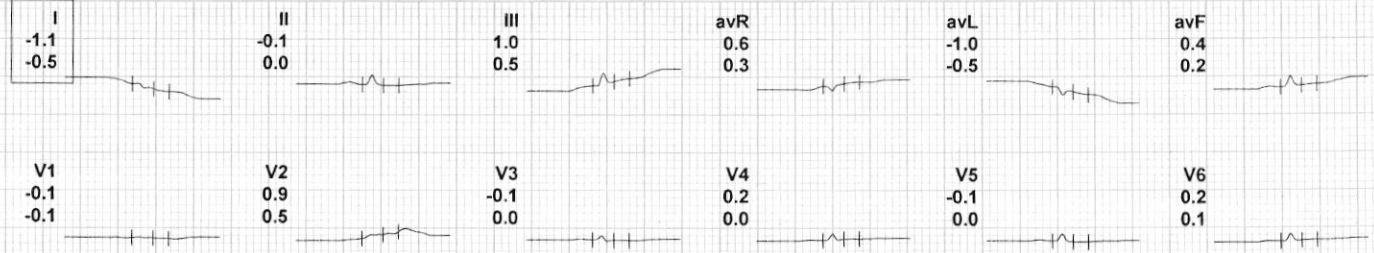
Raw ECG
BRUCE
(0.05-100)Hz

Ex Time 06:00
BLC :On
Notch :On

BRUCE: Stage 2(3:00)
10.0 mm/mV
25 mm/Sec.



4X 87 mS Post J



V5
-0.1

Reetu



HR: 142 bpm
METS: 10.2
BP: 138/96

MPHR:75% of 189
Speed: 3.4 mph
Grade: 14.0%

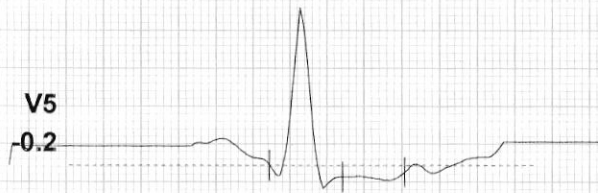
Raw ECG
BRUCE
(0.05-100)Hz

Ex Time 09:00
BLC :On
Notch :On

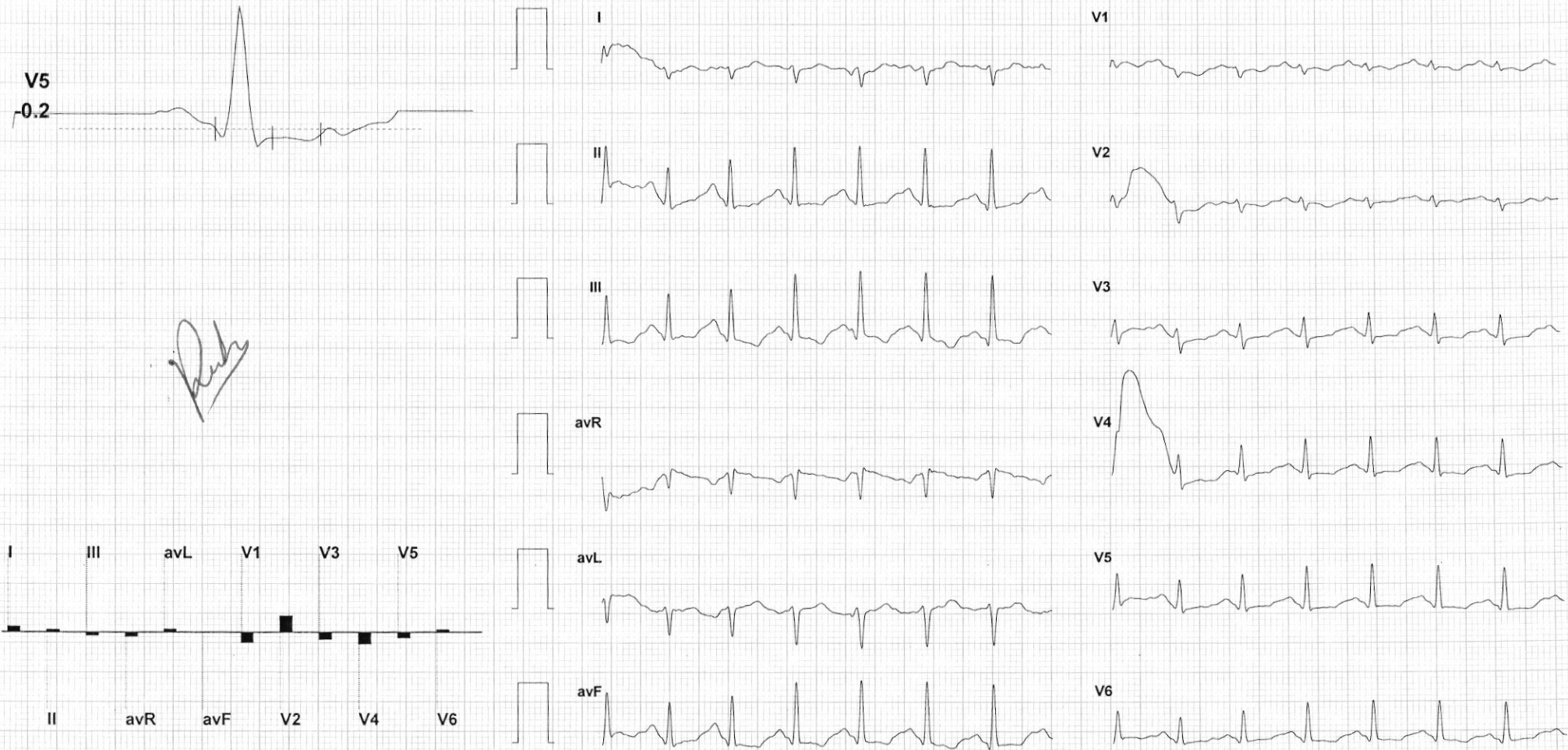
BRUCE:Stage 3(3:00)
10.0 mm/mV
25 mm/Sec.



4X 87 mS Post J



Push



HR: 137 bpm

METS: 10.3

BP: 138/96

MPHR: 72% of 189

Speed: 4.2 mph

Grade: 16.0%

Raw ECG

BRUCE

(0.05-100)Hz

Ex Time 09:05

BLC :On

Notch :On

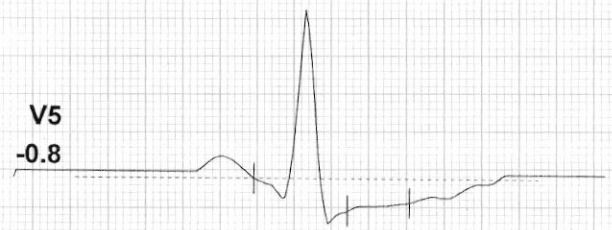
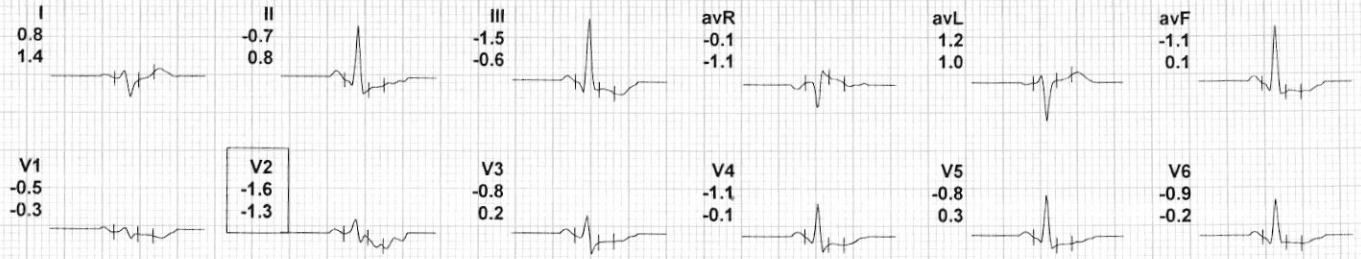
BRUCE:PeakEx(0:05)

10.0 mm/mV

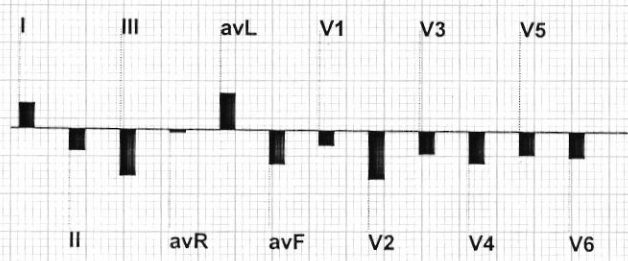
25 mm/Sec.



4X 87 mS Post J



Reetu



HR: 101 bpm

METS: 4.3

BP: 136/92

MPHR:53% of 189

Speed: 0.0 mph

Grade: 0.0%

Raw ECG

BRUCE

(0.05-100)Hz

Ex Time 09:05

BLC :On

Notch :On

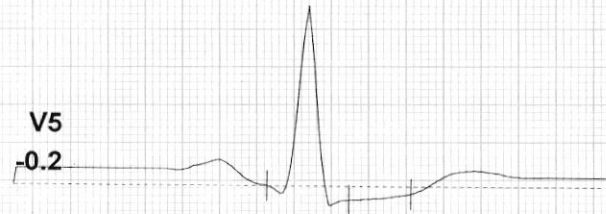
Recovery : (01:00

10.0 mm/mV

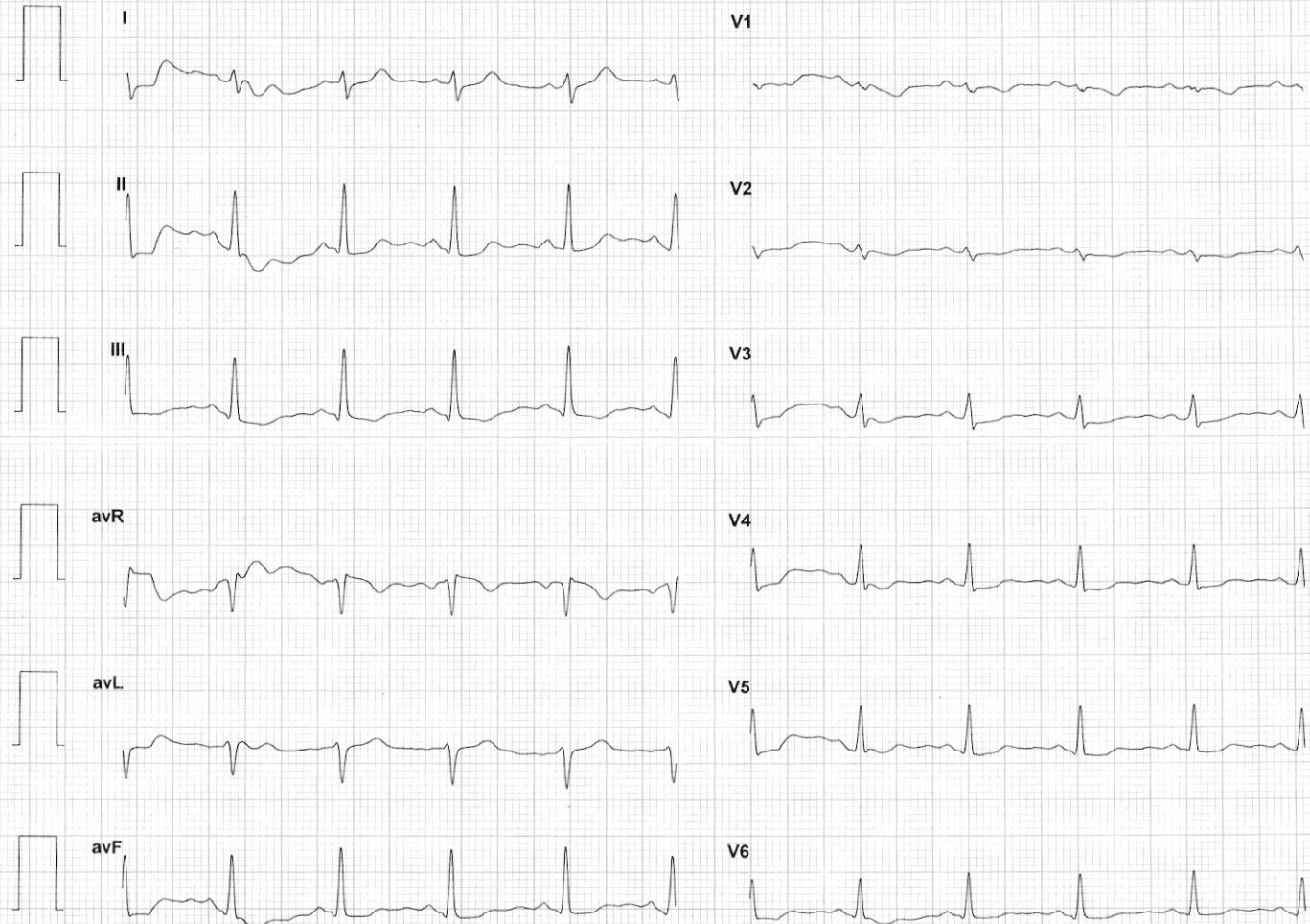
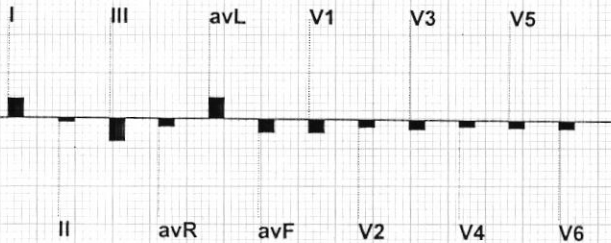
25 mm/Sec.



4X 80 mS Post J



Reetu



HR: 102 bpm

METS: 1.0

BP: 130/88

MPHR:53% of 189

Speed: 0.0 mph

Grade: 0.0%

Raw ECG

BRUCE

(0.05-100)Hz

Ex Time 09:06

BLC :On

Notch :On

Recovery(3:00)

10.0 mm/mV

25 mm/Sec.

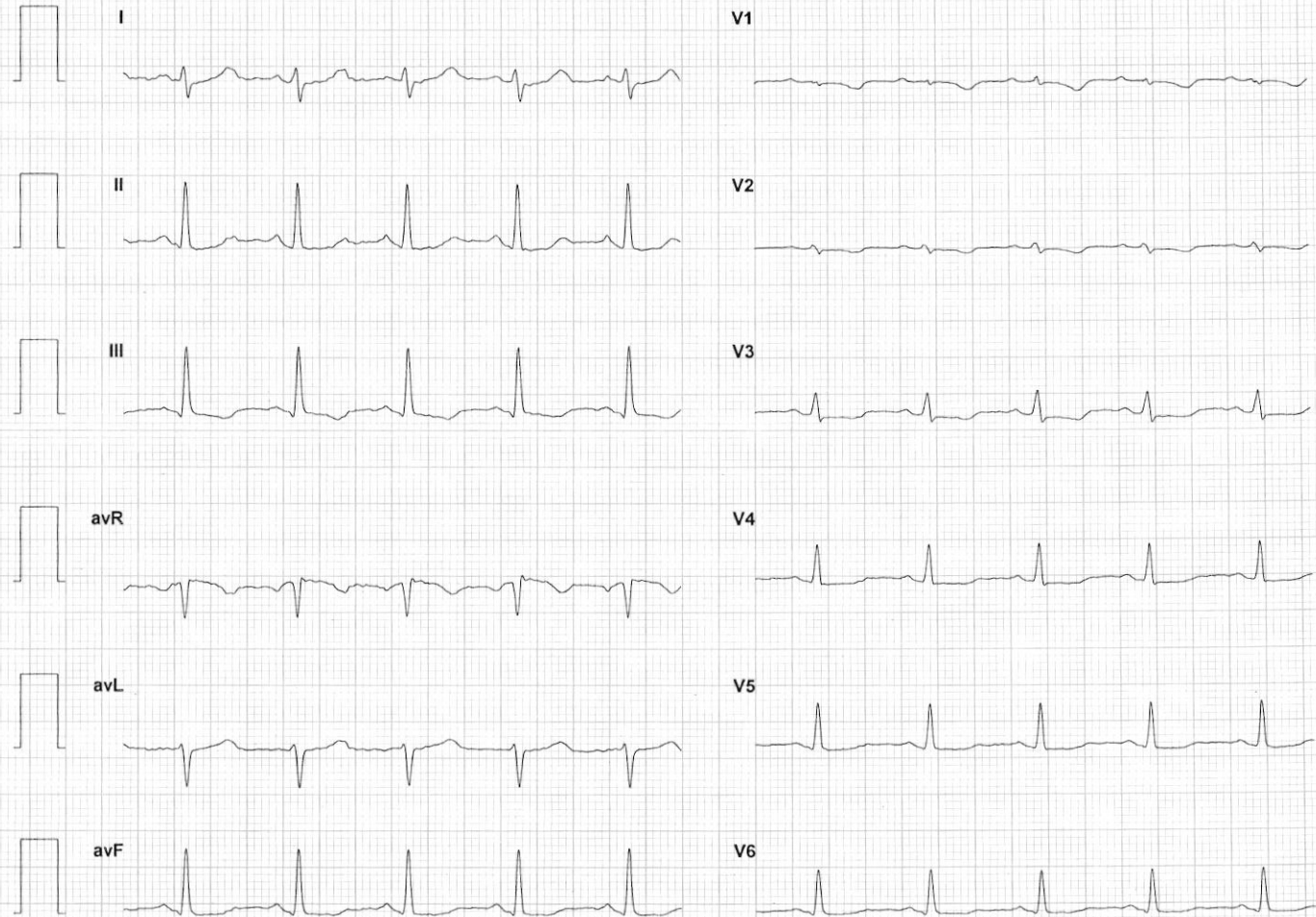
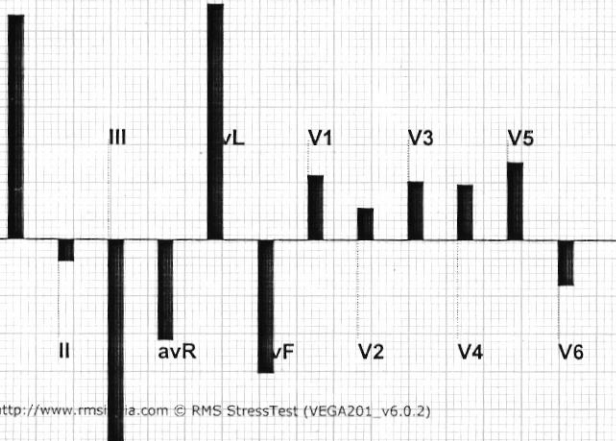


4X 87 mS Post J



V5
2.5

Push



HR: 95 bpm
METS: 1.0
BP: 124/82

MPHR:50% of 189
Speed: 0.0 mph
Grade: 0.0%

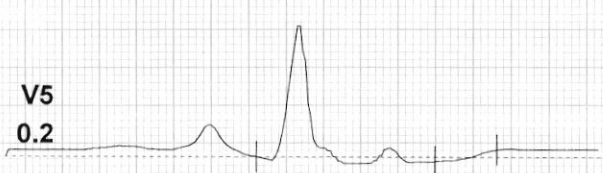
Raw ECG
BRUCE
(0.05-100)Hz

Ex Time 09:06
BLC :On
Notch :On

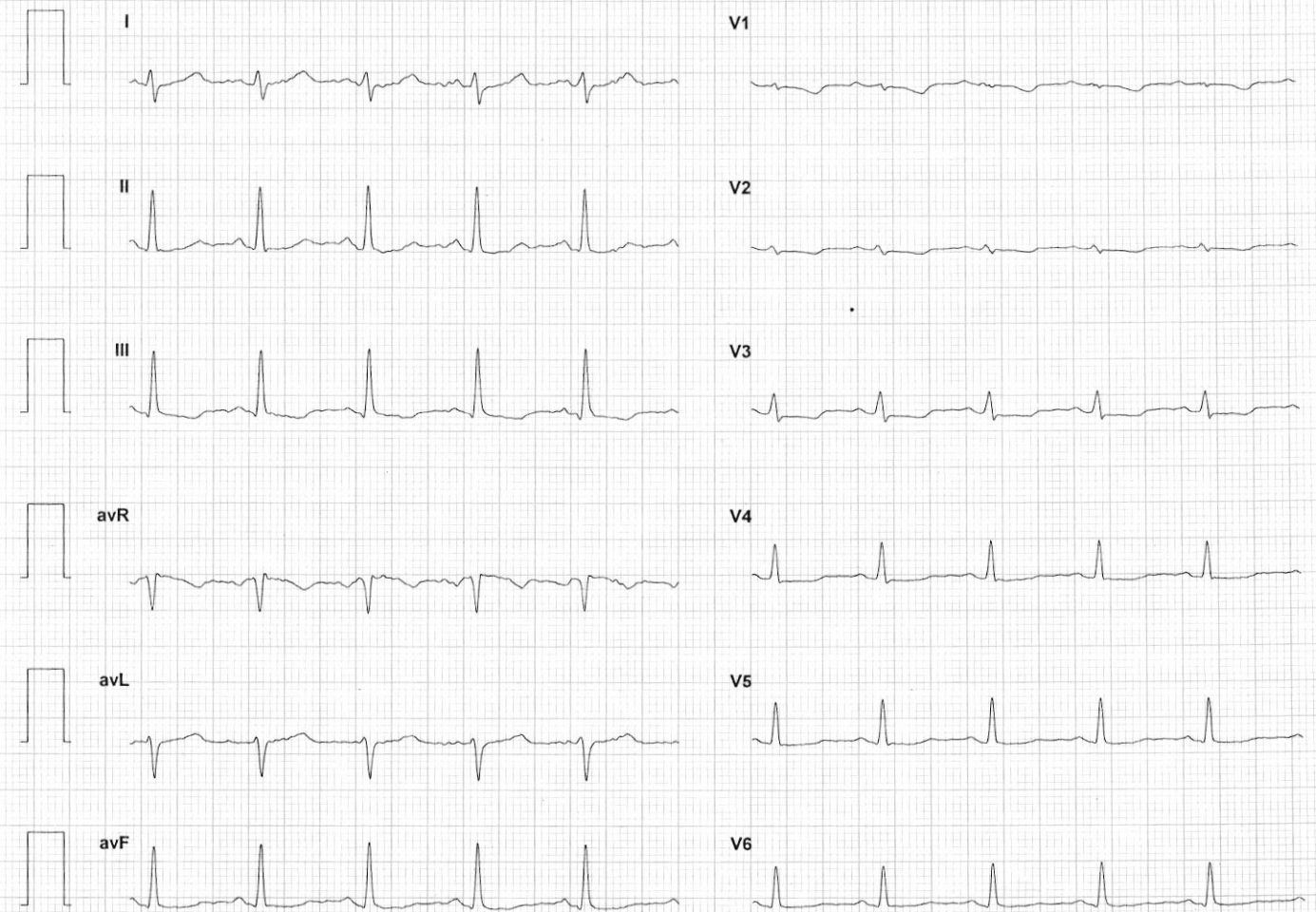
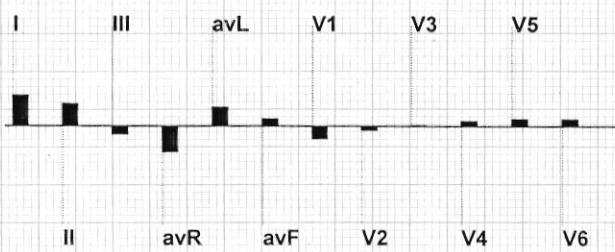
Recovery(5:00)
10.0 mm/mV
25 mm/Sec.



4X 87 mS Post J



Reetu

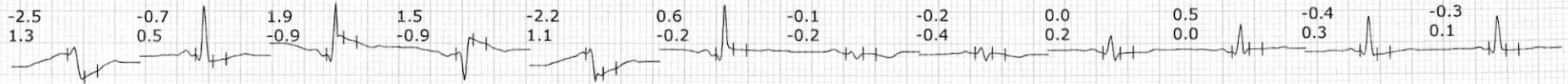




I II III avR avL avF V1 V2 V3 V4 V5 V6

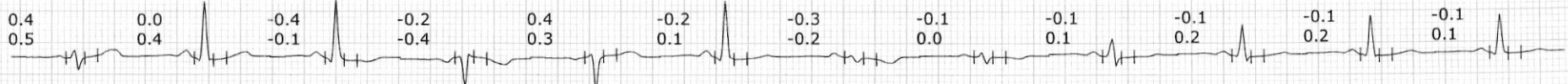
Supine

(1) 0:00 0.0 mph
(2) 0:00 0.0 %
97 bpm 110/70



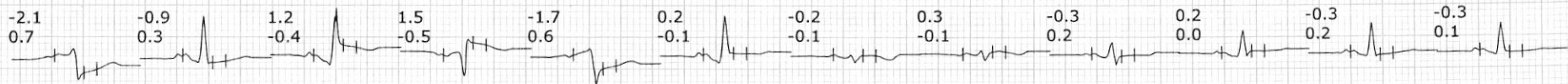
Standing

(1) 0:00 0.0 mph
(2) 0:00 0.0 %
101 bpm 110/70



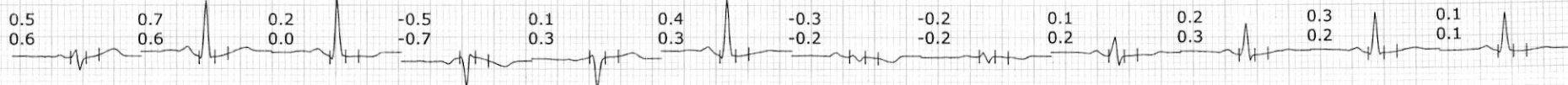
HV

(1) 0:00 0.0 mph
(2) 0:00 0.0 %
93 bpm 110/70



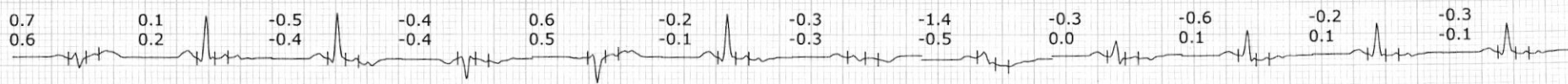
ExStart

(1) 0:00 0.0 mph
(2) 0:00 0.0 %
101 bpm 110/70



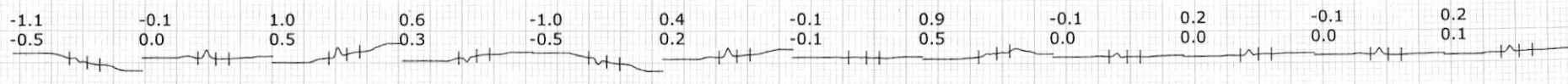
Stage 1

(1) 3:00 1.7 mph
(2) 3:00 10.0 %
119 bpm 118/80



Stage 2

(1) 6:00 2.5 mph
(2) 3:00 12.0 %
122 bpm 128/86

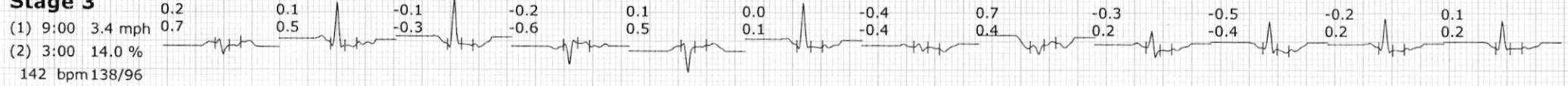


Handwritten signature

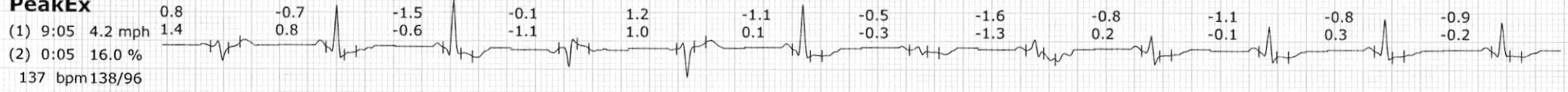


I II III avR avL avF V1 V2 V3 V4 V5 V6

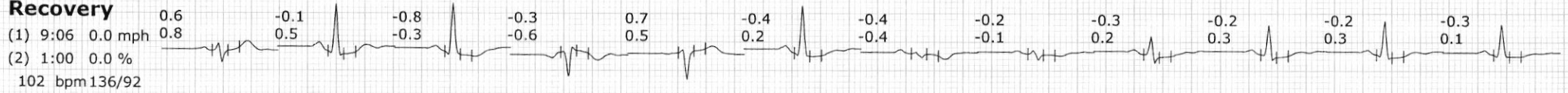
Stage 3



PeakEx



Recovery



Recovery



Recovery

