

Summary



Protocol : BRUCE  
History :

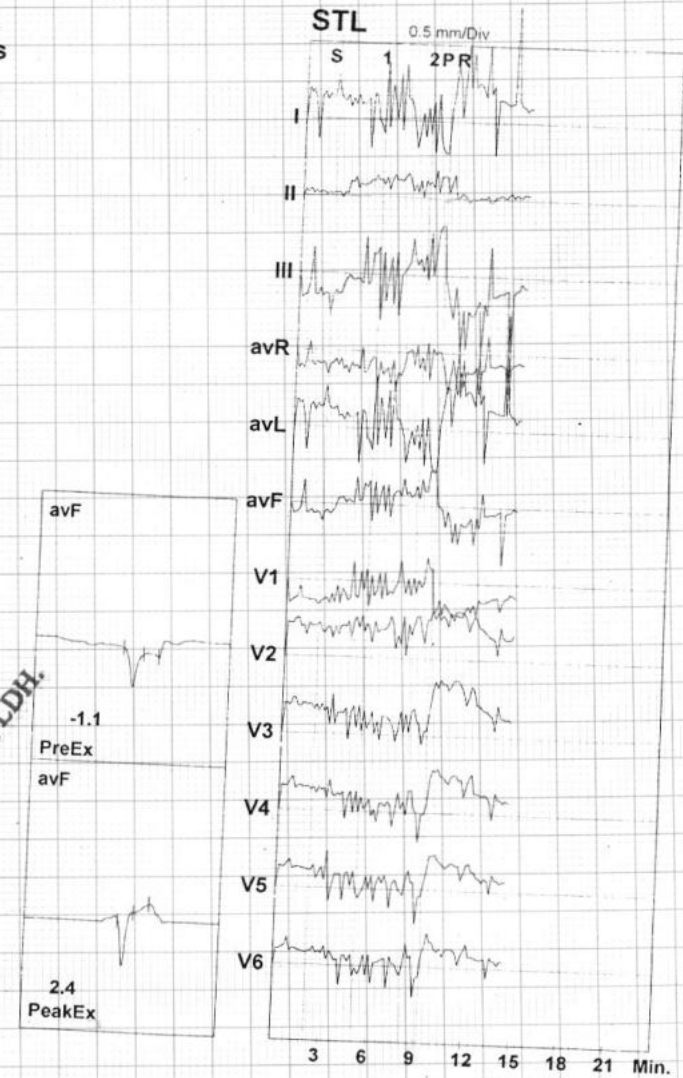
Stage	Stage Time (Min:Sec)	Phase Time (Min:Sec)	Speed (mph)	Grade (%)	METs	H.R. (bpm)	B.P. (mmHg)	R.P.P. x100	PVC	Comments
Supine										
Standing					1.0	83	130/80	107	-	
HV					1.0	89	130/80	115	-	
ExStart					1.0	85	130/80	110	-	
Stage 1	3:00	3:01	1.7	10.0	4.7	129	134/84	172	-	
Stage 2	3:00	6:01	2.5	12.0	7.1	161	136/86	218	-	
PeakEx	1:10	7:11	0.0	0.0	7.9	157	136/86	213	-	
Recovery	1:00		0.0	0.0	1.2	122	140/90	170	-	
Recovery	3:00		0.0	0.0	1.0	99	132/84	130	-	
Recovery	5:00		0.0	0.0	1.0	92	130/80	119	-	

Findings :

Exercise Time : 07:11  
Max HR Attained : 161 bpm 90% of Max Predictable HR 179  
Max BP : 136/86(mmHg)  
Max WorkLoad attained : 7.9(Fair Effort Tolerance)

*Signature*

TMT regime in  
Ischemic Dr. Ravi Kant Singla  
M.B.B.S., M.D.,  
Medical Specialist  
Ex-Registrar CMC, LDH.



Advice/Comments:



Protocol : BRUCE

		I	II	III	avR	avL	avF	V1	V2	V3	V4	V5	V6
STL (mm) 80 mSecs Post J	Supine	0.8	0.2	-0.6	-0.4	0.7	-0.2	-1.2	2.6	2.4	2.0	1.7	1.3
	Standing	1.5	0.1	-1.3	-0.8	1.4	-0.6	-1.3	1.9	1.7	1.4	1.2	0.9
	HV	1.7	0.3	-1.4	-1.0	1.6	-0.6	-1.2	2.0	1.7	1.6	1.3	1.1
	ExStart	2.8	0.2	-2.6	-1.5	2.7	-1.1	-1.6	2.0	1.6	1.3	1.1	0.8
	Stage 1	-0.8	1.2	1.7	-0.4	-1.4	1.5	0.8	1.7	0.2	0.0	-0.2	-0.7
	Stage 2	-0.8	0.9	1.4	-0.3	-1.2	1.3	0.3	1.5	0.2	-0.1	-0.3	-0.6
	PeakEx	-2.0	1.5	3.2	0.1	-2.8	2.4	0.9	2.5	0.3	-0.1	-0.4	-0.7
	Recovery	2.6	0.3	-2.2	-1.5	2.4	-0.9	-2.4	3.3	3.4	2.4	2.0	1.2
	Recovery	-2.1	-0.2	1.9	1.1	-2.0	0.9	-1.1	2.6	3.0	2.5	1.8	1.6
	Recovery	0.8	0.4	-0.4	-0.5	0.5	0.0	-0.6	1.4	1.2	0.8	0.5	0.2
STS mV/Sec.	Supine	1.0	0.5	-0.5	-0.7	0.7	0.0	-0.9	2.2	1.7	1.3	1.1	1.0
	Standing	1.0	0.4	-0.7	-0.7	0.9	-0.2	-0.9	1.6	1.3	0.9	0.8	0.6
	HV	1.2	0.4	-0.8	-0.8	1.0	-0.2	-0.9	1.8	1.3	1.0	0.9	0.7
	ExStart	1.9	0.4	-1.5	-1.2	1.7	-0.4	-1.2	1.9	1.2	0.9	0.7	0.5
	Stage 1	1.3	1.2	0.0	-1.3	0.7	0.6	-1.2	2.5	2.0	1.3	1.0	0.4
	Stage 2	1.3	1.0	-0.3	-1.1	0.8	0.4	-1.3	3.1	2.0	1.3	1.0	1.1
	PeakEx	-0.2	1.4	1.5	-0.6	-0.9	1.5	-1.3	2.9	1.9	1.3	0.9	0.9
	Recovery	3.4	0.5	-2.9	-1.9	3.1	-1.2	-2.6	3.7	4.0	3.1	2.6	1.7
	Recovery	2.5	-0.6	-3.0	-1.0	2.7	-1.8	-1.3	0.9	1.4	1.2	1.0	0.6
	Recovery	0.8	0.4	-0.5	-0.6	0.7	-0.1	-0.7	1.3	1.2	0.8	0.6	0.4
STI $\mu$ Vs	Supine	1.4	-0.3	-1.6	-0.4	1.4	-1.0	-5.2	11.7	11.9	9.9	8.8	6.1
	Standing	6.9	0.0	-6.8	-3.5	6.9	-3.5	-6.2	8.5	8.3	6.7	5.8	4.2
	HV	8.3	0.7	-7.3	-4.4	7.9	-3.4	-5.9	8.8	7.8	7.6	6.5	5.5
	ExStart	13.4	0.6	-12.8	-7.1	13.1	-6.1	-7.9	8.7	7.2	6.5	5.9	3.9
	Stage 1	-13.5	4.5	15.5	2.7	-15.7	11.0	11.8	2.5	-6.9	-7.0	-6.0	-7.7
	Stage 2	-10.1	2.7	10.0	1.7	-11.1	7.6	6.1	1.3	-4.9	-4.4	-6.8	-8.4
	PeakEx	-15.8	6.9	20.3	2.8	-19.3	13.7	12.2	11.3	-4.5	-4.9	-5.7	-9.8
	Recovery	8.0	1.6	-6.3	-4.8	7.2	-2.3	-8.6	12.9	11.9	7.3	6.1	2.7
	Recovery	-22.5	1.5	23.9	10.5	-23.2	12.8	-5.9	23.3	24.1	19.2	13.0	11.6
	Recovery	3.0	1.9	-2.4	-1.9	1.3	0.4	-2.4	5.8	4.6	2.6	1.7	0.1

*Sumit Jaiswal*

12 Lead + Median



HR: 83 bpm  
 METS: 1.0  
 BP: 130/80

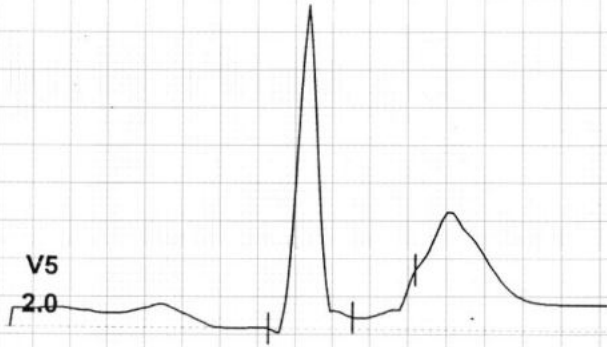
MPHR: 46% of 179  
 Speed: 0.0 mph  
 Grade: 0.0%

Raw ECG  
 BRUCE  
 (0.05-100)Hz

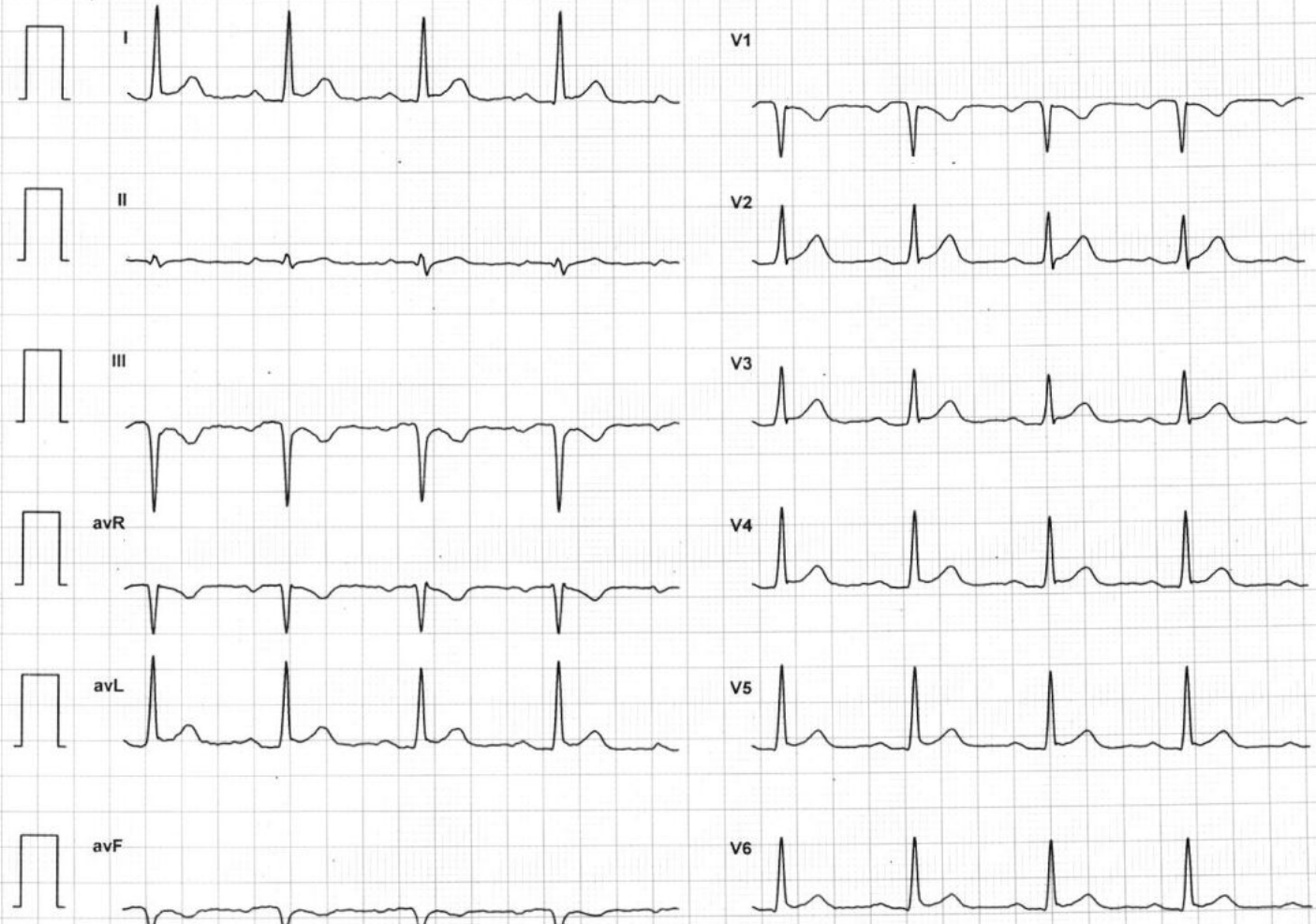
Ex Time 00:49  
 BLC :On  
 Notch :On

Supine  
 10.0 mm/mV  
 25 mm/Sec.

4X 80 mS Post J



*Sumit Jaiswal*



LIFELINE HOSPITAL  
GILL ROAD, LUDHIANA

3664644/SUMIT JAISWAL  
41 Yrs/Male  
110 Kg/181 Cms  
Date: 11-Feb-2023 10:31:10 AM

12 Lead + Median



HR: 89 bpm  
METS: 1.0  
BP: 130/80

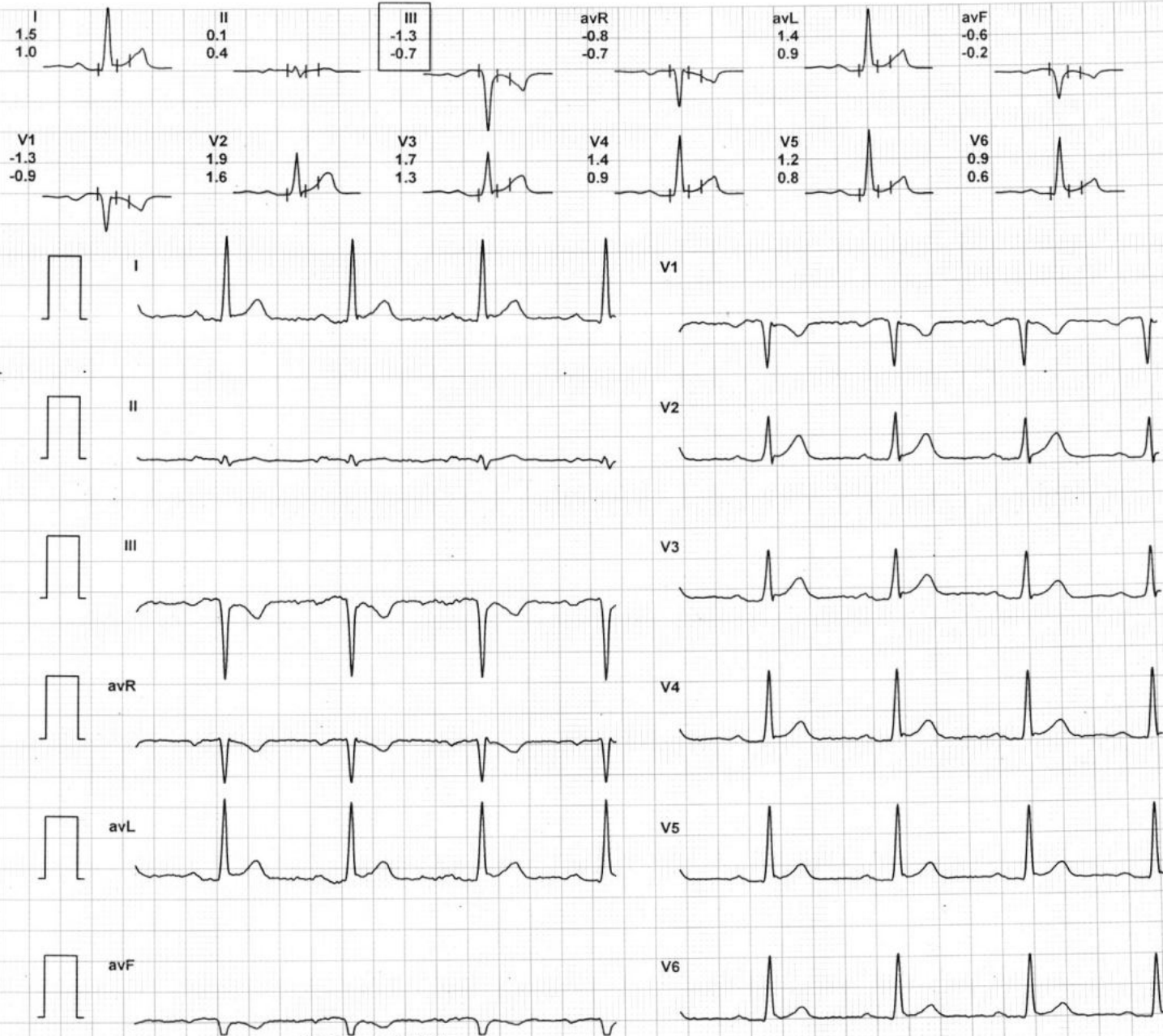
MPHR: 49% of 179  
Speed: 0.0 mph  
Grade: 0.0%

Raw ECG  
BRUCE  
(0.05-100)Hz

Ex Time 01:00  
BLC :On  
Notch :On

Standing  
10.0 mm/mV  
25 mm/Sec.

4X 80 mS Post J



LIFELINE HOSPITAL  
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41 Yrs/Male  
110 Kg/181 Cms  
Date: 11-Feb-2023 10:31:10 AM

12 Lead + Median



HR: 85 bpm  
METS: 1.0  
BP: 130/80

MPHR: 47% of 179  
Speed: 0.0 mph  
Grade: 0.0%

Raw ECG  
BRUCE  
(0.05-100)Hz

Ex Time 01:16  
BLC :On  
Notch :On

HV  
10.0 mm/mV  
25 mm/Sec.

4X 80 mS Post J



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3664644/SUMIT JAISWAL

41 Yrs/Male

110 Kg/181 Cms

Date: 11-Feb-2023 10:31:10 AM

12 Lead + Median



HR: 80 bpm  
METS: 1.0  
BP: 130/80

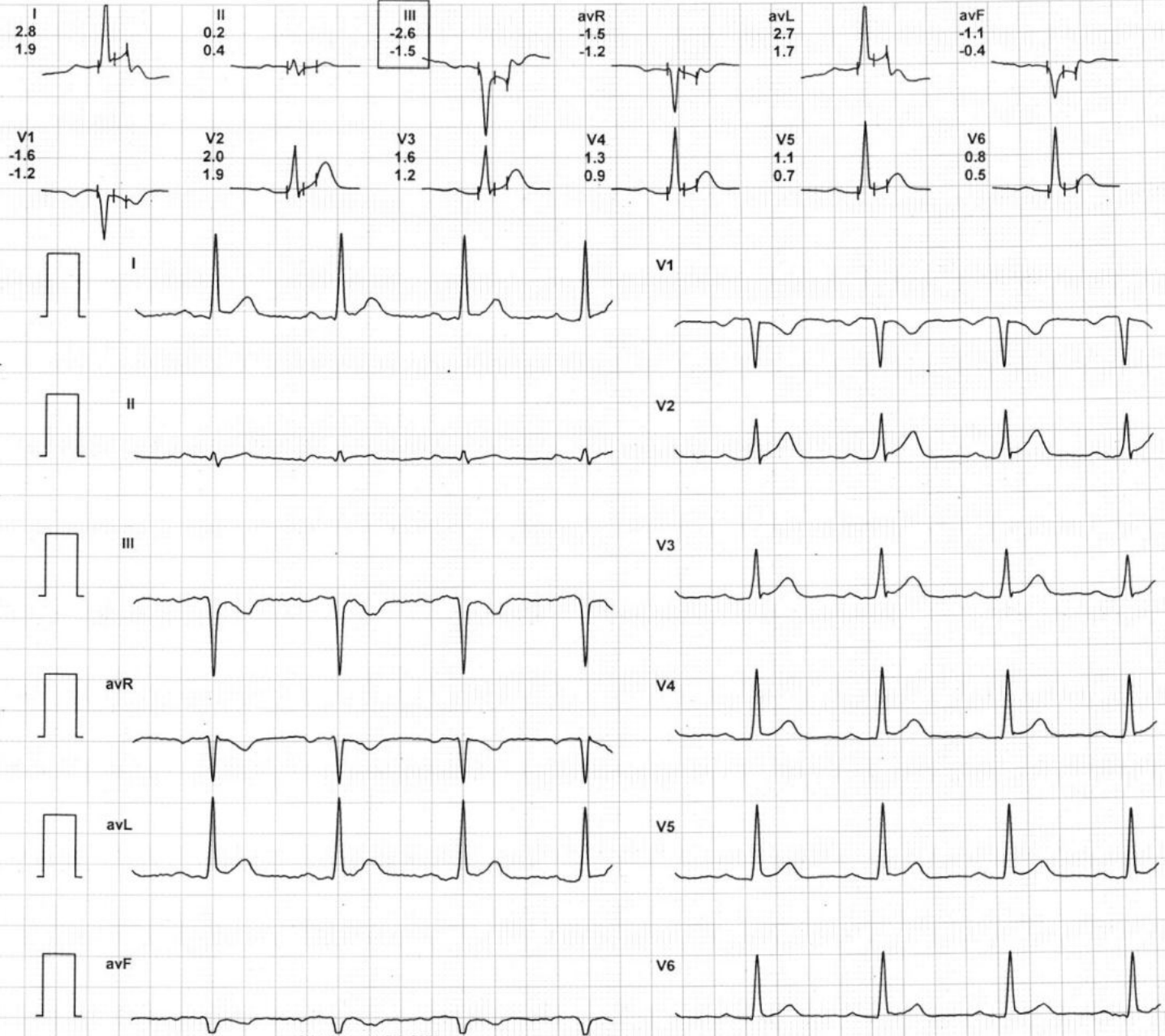
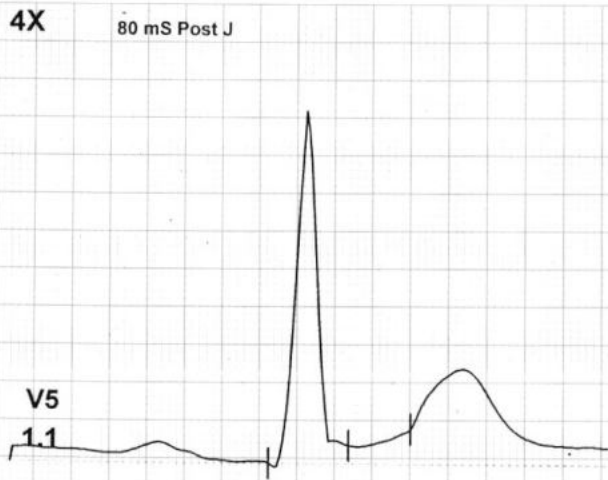
MPHR: 44% of 179  
Speed: 0.0 mph  
Grade: 0.0%

Raw ECG  
BRUCE  
(0.05-100)Hz

Ex Time 02:03  
BLC :On  
Notch :On

ExStart  
10.0 mm/mV  
25 mm/Sec.

4X 80 mS Post J



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3664644/SUMIT JAISWAL  
41 Yrs/Male  
110 Kg/181 Cms  
Date: 11-Feb-2023 10:31:10 AM

12 Lead + Median

HR: 129 bpm  
METS: 4.7  
BP: 134/84

MPHR: 72% of 179  
Speed: 1.7 mph  
Grade: 10.0%

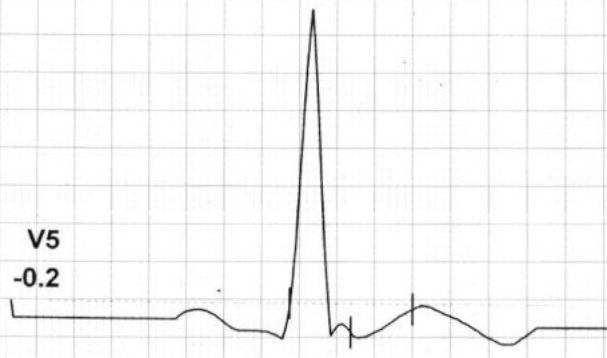
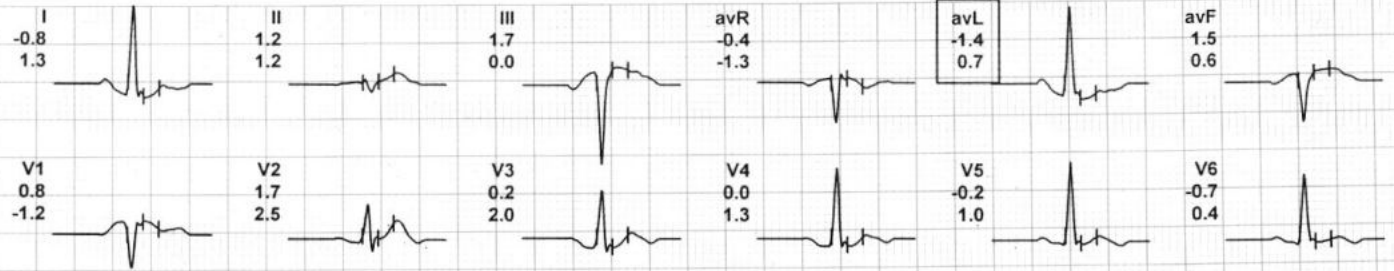
Raw ECG  
BRUCE  
(0.05-100)Hz

Ex Time 03:00  
BLC :On  
Notch :On

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



4X 80 mS Post J



V5  
-0.2

*Sumit*



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3664644/SUMIT JAISWAL  
41 Yrs/Male  
110 Kg/181 Cms

Date: 11-Feb-2023 10:31:10 AM

### 12 Lead + Median

HR: 165 bpm  
METS: 7.1  
BP: 136/86

MPHR: 92% of 179  
Speed: 2.5 mph  
Grade: 12.0%

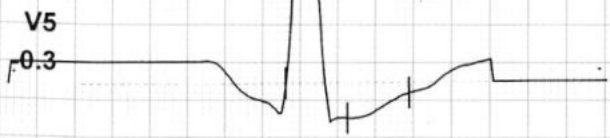
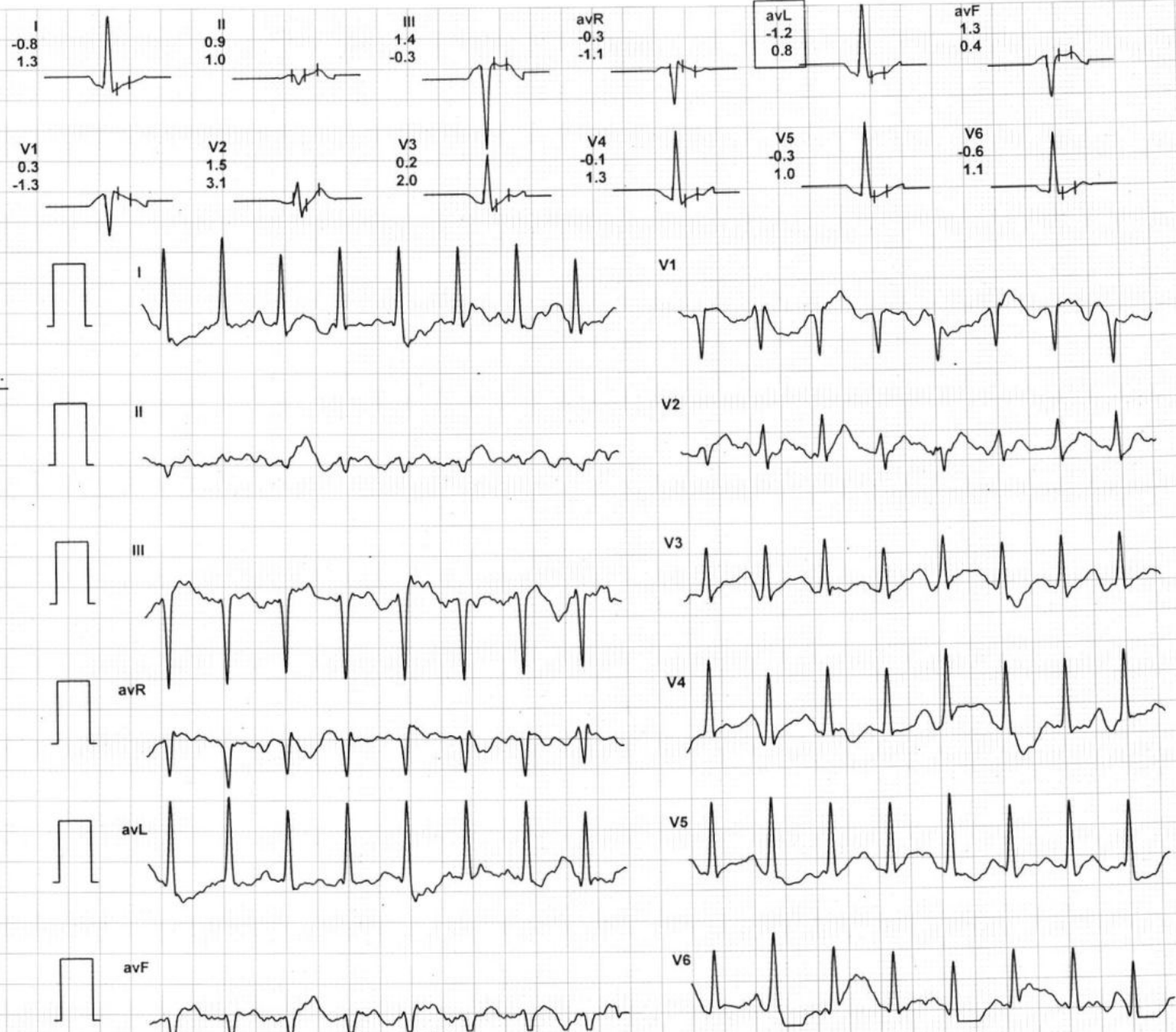
Raw ECG  
BRUCE  
(0.05-100)Hz

Ex Time 05:59  
BLC :On  
Notch :On

Stage 2 ( 03:00 )  
10.0 mm/mV  
25 mm/Sec.



4X 80 mS Post J



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41 Yrs/Male  
110 Kg/181 Cms  
Date: 11-Feb-2023 10:31:10 AM

### 12 Lead + Median

HR: 157 bpm  
METS: 7.9  
BP: 136/86

MPHR: 87% of 179  
Speed: 0.0 mph  
Grade: 0.0%

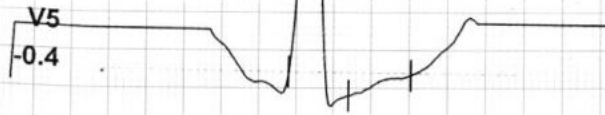
Raw ECG  
BRUCE  
(0.05-100)Hz

Ex Time 07:10  
BLC :On  
Notch :On

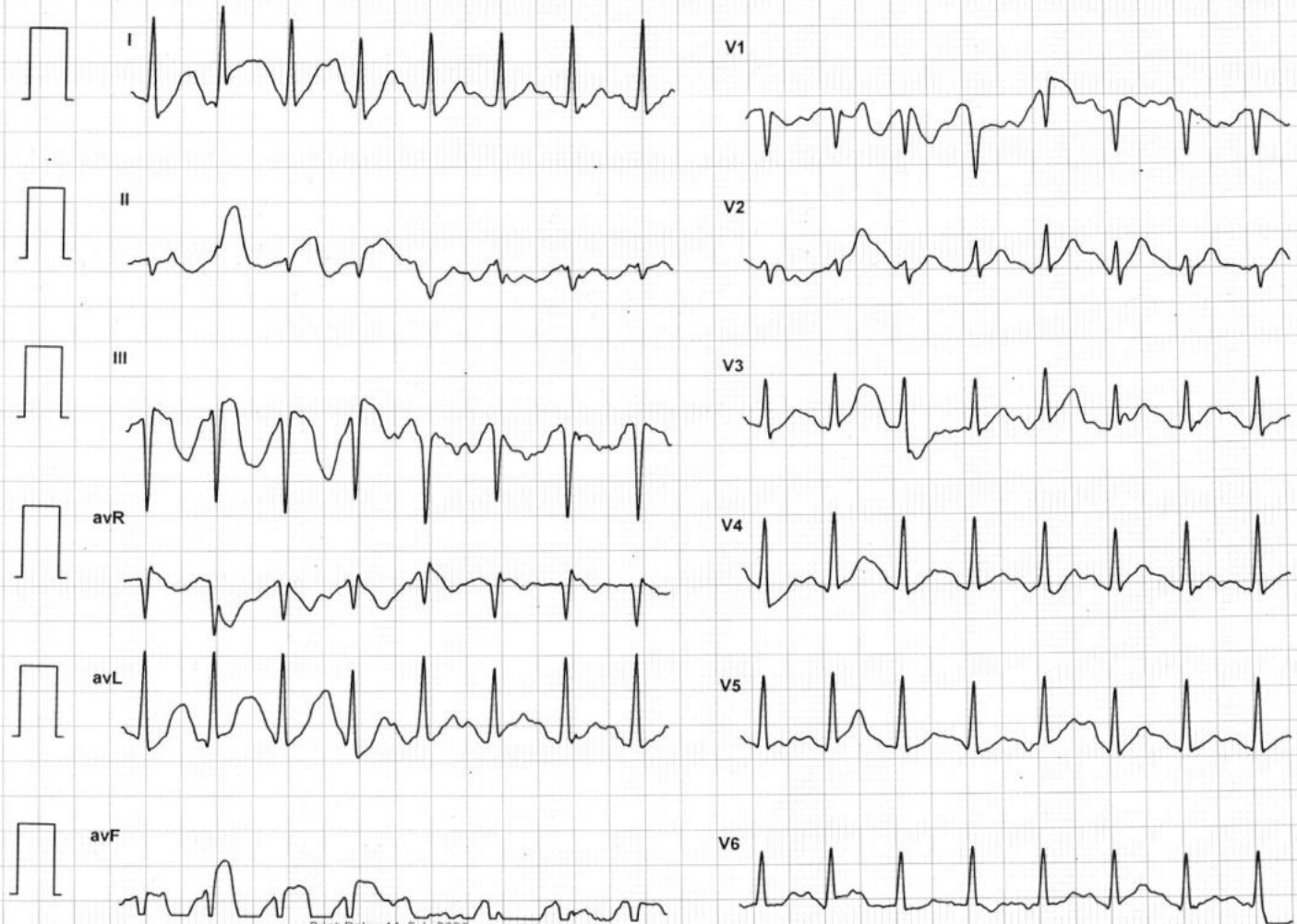
BRUCE:PeakEx(1:10)  
10.0 mm/mV  
25 mm/Sec.



4X 80 mS Post J



*Sumit Jaiswal*



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 110 Kg/181 Cms  
 Date: 11-Feb-2023 10:31:10 AM

12 Lead + Median

HR: 122 bpm  
 METS: 1.2  
 BP: 140/90

MPHR: 68% of 179  
 Speed: 0.0 mph  
 Grade: 0.0%

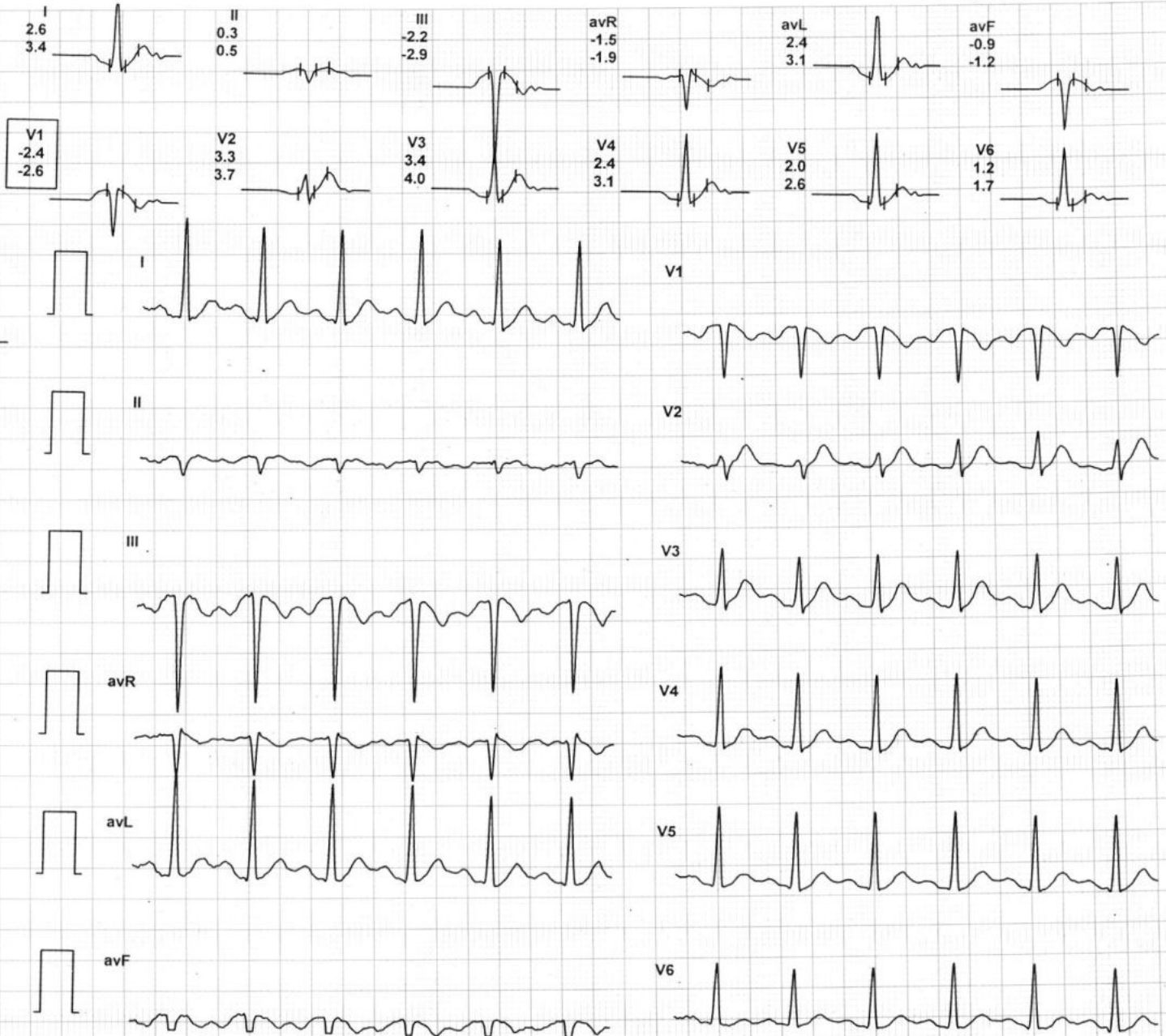
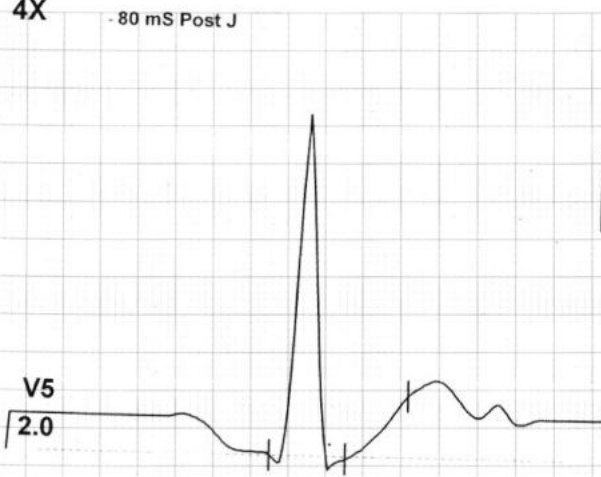
Raw ECG  
 BRUCE  
 (0.05-100)Hz

Ex Time 07:11  
 BLC :On  
 Notch :On

Recovery(1:00)  
 10.0 mm/mV  
 25 mm/Sec.



4X -80 mS Post J



*Sumit Jaiswal*

LIFELINE HOSPITAL  
 GILL ROAD, LUDHIANA  
 3664644/SUMIT JAISWAL  
 41 Yrs/Male  
 110 Kg/181 Cms  
 Date: 11-Feb-2023 10:31:10 AM

12 Lead + Median



HR: 99 bpm  
 METS: 1.0  
 BP: 132/84

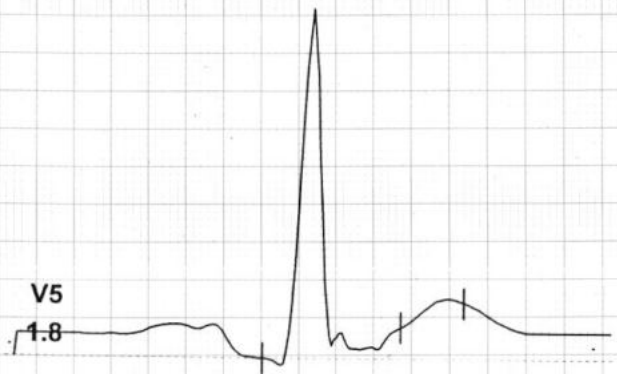
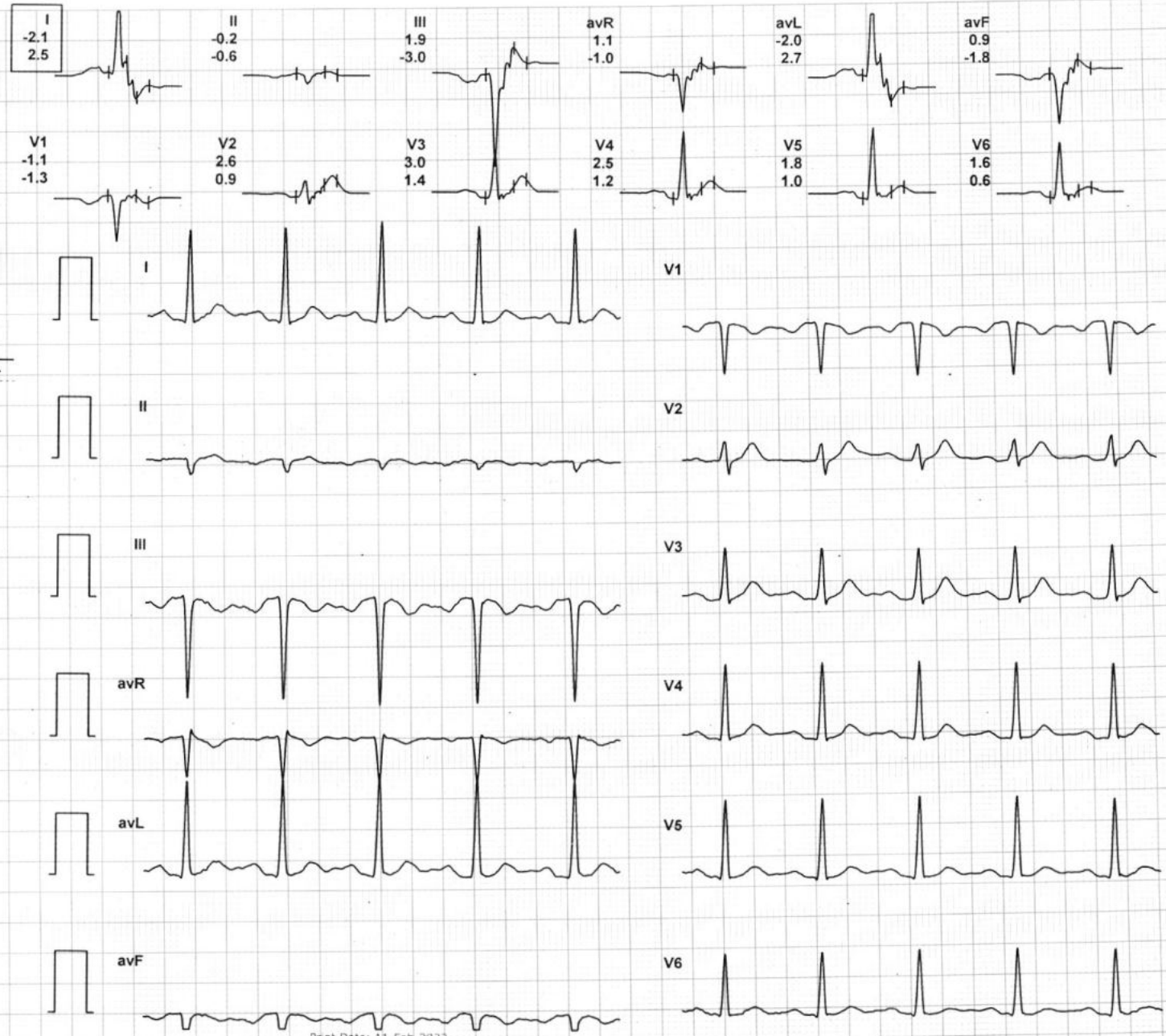
MPCR: 55% of 179  
 Speed: 0.0 mph  
 Grade: 0.0%

Raw ECG  
 BRUCE  
 (0.05-100)Hz

Ex Time 07:11  
 BLC :On  
 Notch :On

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

4X 80 mS Post J



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LIFELINE HOSPITAL  
GILL ROAD, LUDHIANA

3664644/SUMIT JAISWAL  
41 Yrs/Male  
110 Kg/181 Cms  
Date: 11-Feb-2023 10:31:10 AM

### 12 Lead + Median

HR: 92 bpm  
METS: 1.0  
BP: 130/80

MpHR: 51% of 179  
Speed: 0.0 mph  
Grade: 0.0%

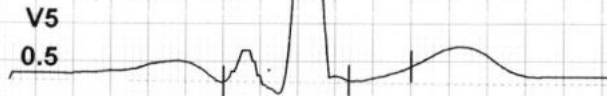
Raw ECG  
BRUCE  
(0.05-100)Hz

Ex Time 07:11  
BLC :On  
Notch :On

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



4X 80 mS Post J



*Sumit Jaiswal*

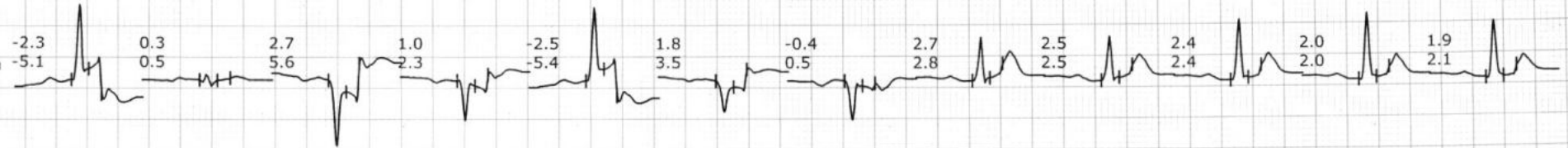




I II III avR avL avF V1 V2 V3 V4 V5 V6

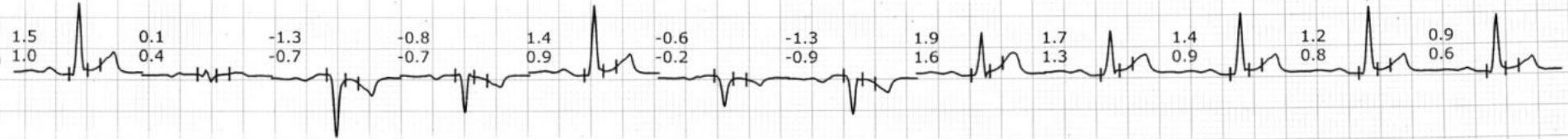
**Supine**

(1) 0:00 0.0 mph  
(2) 0:00 0.0 %  
83 bpm 130/80



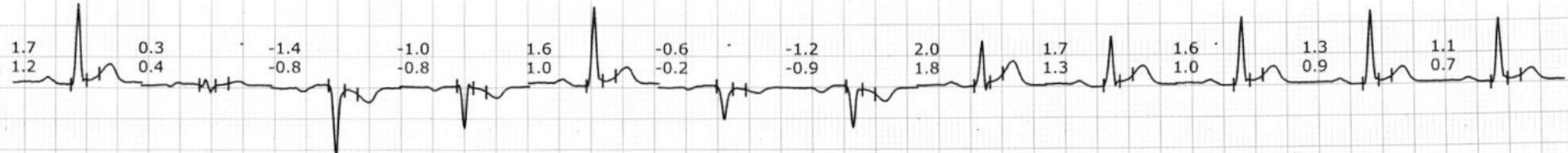
**Standing**

(1) 0:00 0.0 mph  
(2) 0:00 0.0 %  
89 bpm 130/80



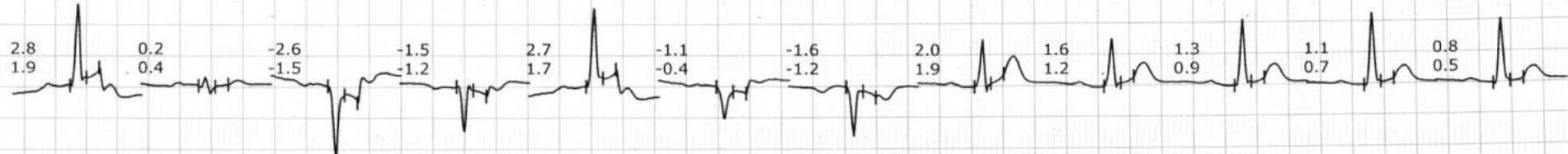
**HV**

(1) 0:00 0.0 mph  
(2) 0:00 0.0 %  
85 bpm 130/80



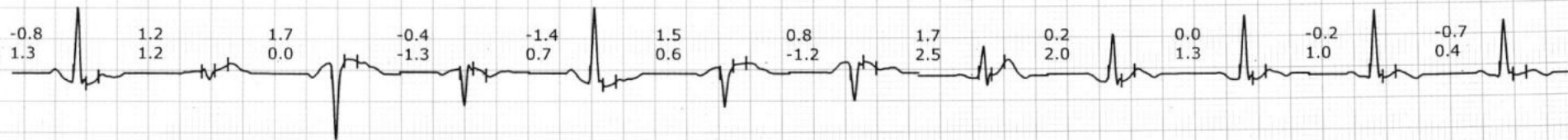
**ExStart**

(1) 0:00 0.0 mph  
(2) 0:00 0.0 %  
80 bpm 130/80



**Stage 1**

(1) 3:00 1.7 mph  
(2) 3:00 10.0 %  
129 bpm 134/84



**Stage 2**

(1) 6:00 2.5 mph  
(2) 3:00 12.0 %  
161 bpm 136/86

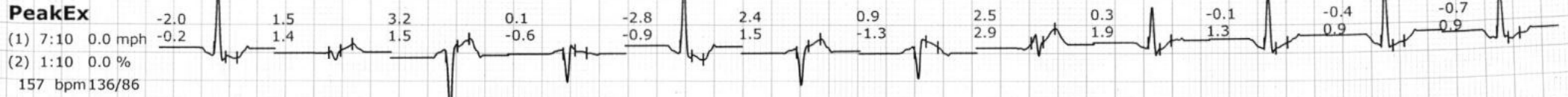


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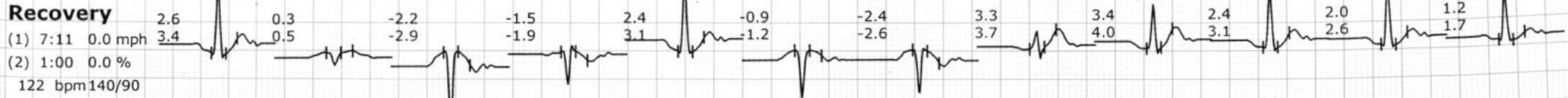


I II III avR avL avF V1 V2 V3 V4 V5 V6

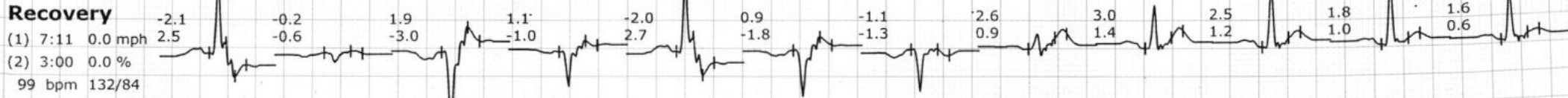
**PeakEx**



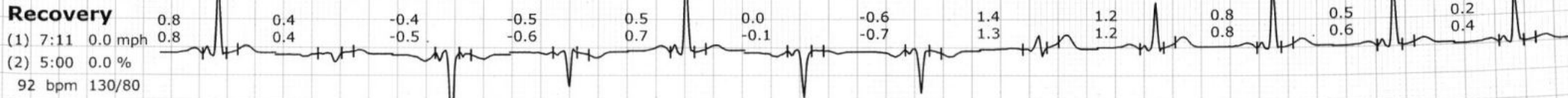
**Recovery**



**Recovery**



**Recovery**



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