



[F1]New Patient



Report



Tools



Exit

Version: 4.00.0001 Hasp Build: 20110125

Summary	Full Disclosure	ST Scan	HR Recovery	Maximum
Trends	ECG Strips	3D ST	TWA	QTD

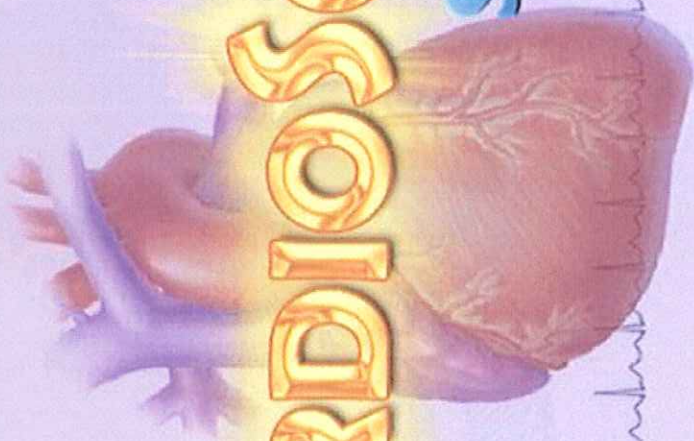
Home Patient Database

GoBack: GoForward: Stop

Refresh Home C:\StressTest\LOGO.htm Go

D M Software

CARDIOSCAN Stress Test



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Windows Vista Capable
Microsoft Windows 7 Compatible



[F1]New Patient Report

Tools

Exit

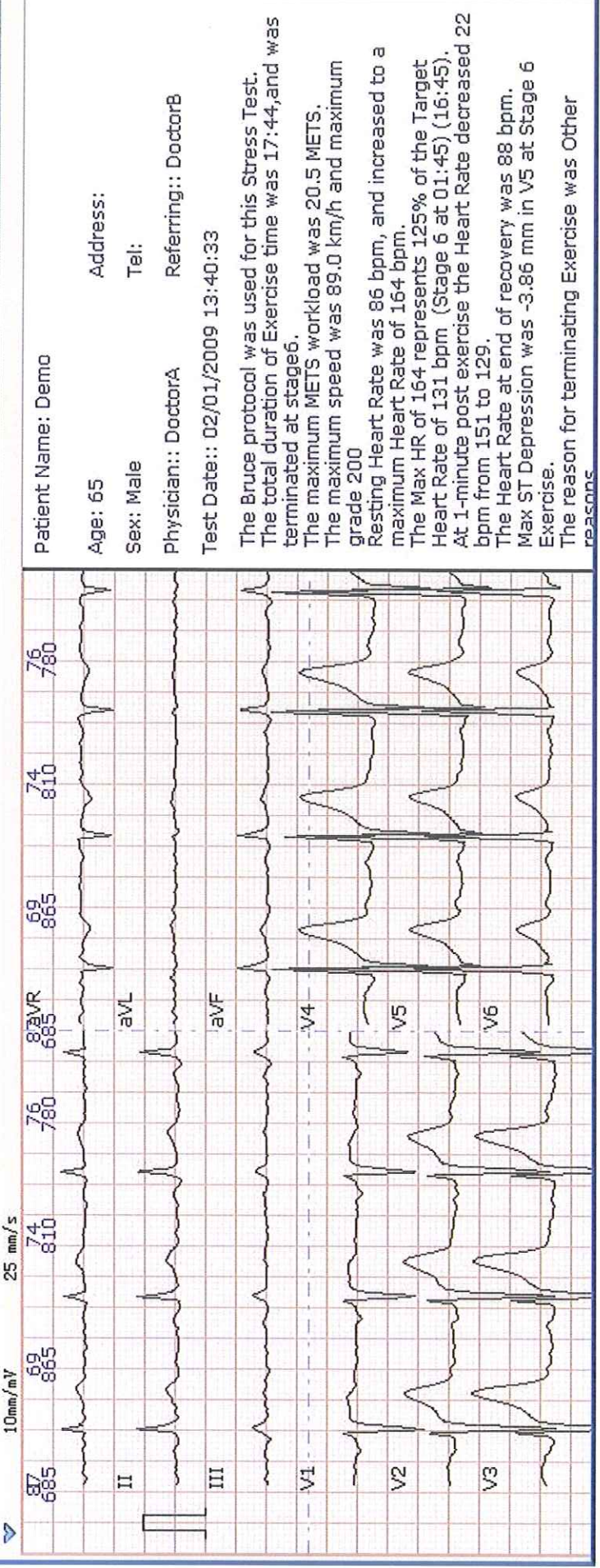
Version: 4.00.0001 Hasp Build: 20110125

Summary	Full Disclosure	ST Scan	HR Recovery	Maximum
Trends	ECG Strips	3D ST	TWA	QTD

Home Patient Database

- Patient Data Box (1)
- No Label (1)
- Trash Box (0)

Patient Name	ID	Test Date	Sex	Age	Physician	Directory	Total ...
Demo	200402041706	2-1-2009 13:40:33	Male	65	DoctorA	2009020...	23:40



Functions

- ❖ Summary
- ❖ Full Disclosure
- ❖ ST Scan
- ❖ HR Recovery
- ❖ Maximum
- ❖ Trends
- ❖ ECG Strips
- ❖ 3D ST
- ❖ TWA
- ❖ QTD

Phase	Stage	Time	Speed(km/h)	Grade	WorkLoad	HR	EP	RPP (*100)	VE	SVE	ST VS (mm)	Comment
Pretest		00:15	0.0	0.0	1.0	86				0	1.05	
Exercise	Stage1	01:00	2.8	10.0	2.8	88				0	1.05	
		01:00	2.8	10.0	4.7	87				0	0.90	
Stage2		01:00	2.8	10.0	4.7	93				0	0.88	
		01:00	4.0	12.0	5.8	100				0	0.76	
Stage3		01:00	4.0	12.0	7.0	103				0	0.56	
		01:00	4.0	12.0	7.0	106				0	0.34	
Stage4		01:00	5.5	14.0	8.6	109				0	0.05	
		01:00	5.5	14.0	10.2	115				0	-0.49	
Stage5		01:00	5.5	14.0	10.2	123				0	-1.29	
		01:00	6.7	16.0	11.7	127				0	-2.05	
Stage5		01:00	6.7	16.0	13.3	136				0	-2.86	
		01:00	6.7	16.0	13.4	142				0	-2.64	
		01:00	8.1	18.0	15.3	150				0	-2.71	
		01:00	8.1	18.0	17.3	150				0	-2.93	

Conclusion

The Bruce protocol was used for this Stress Test.
 The total duration of Exercise time was 17:44, and was terminated at stage6.
 The maximum METS workload was 20.5 METS.
 The maximum speed was 89.0 km/h and maximum grade 200
 Resting Heart Rate was 86 bpm, and increased to a maximum Heart Rate of 164 bpm.
 The Max HR of 164 represents 125% of the Target Heart Rate of 131 bpm (Stage 6 at 01:45) (16:45).
 At 1-minute post exercise the Heart Rate decreased 22 bpm from 151 to 129.
 The Heart Rate at end of recovery was 88 bpm.
 Max ST Depression was -3.86 mm in V5 at Stage 6 Exercise.
 The reason for terminating Exercise was Other reasons.

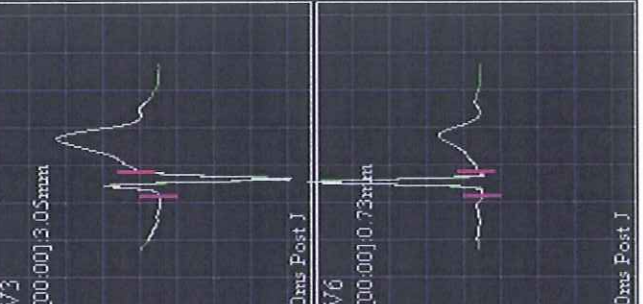
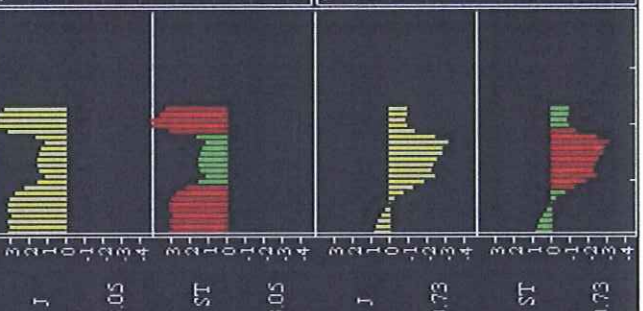
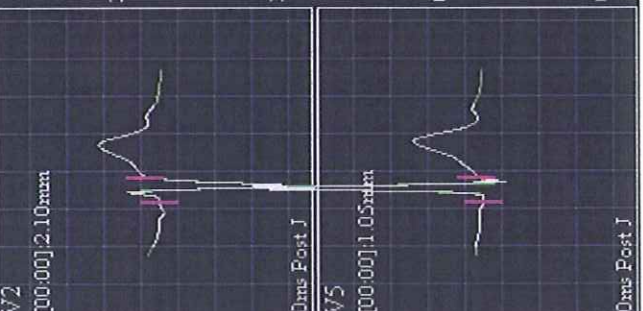
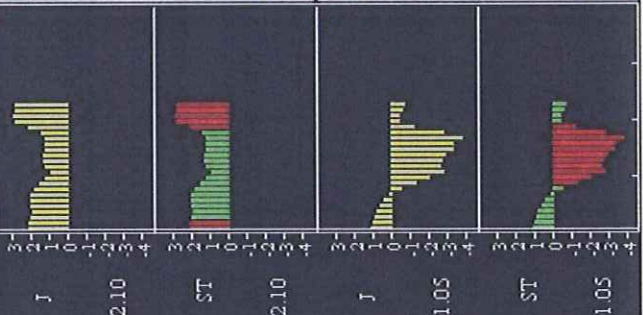
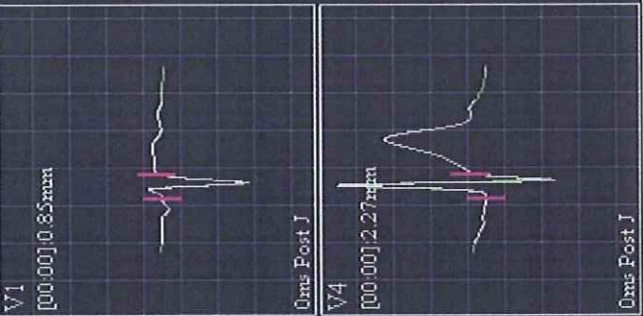
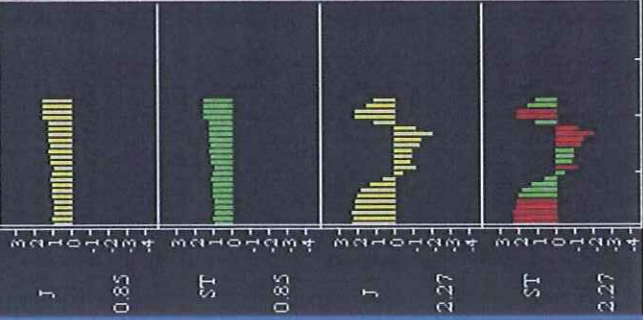
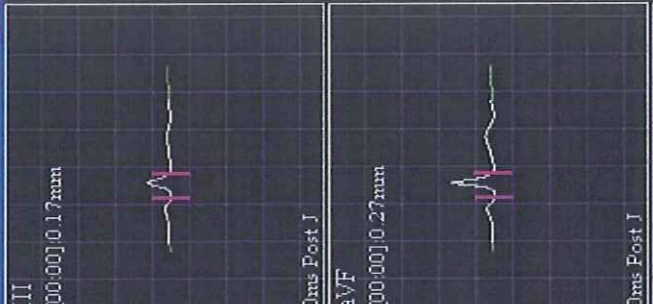
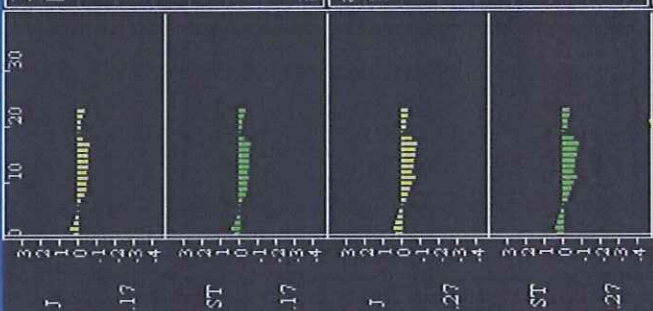
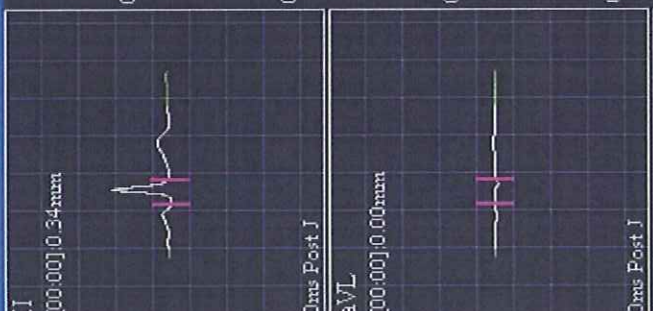
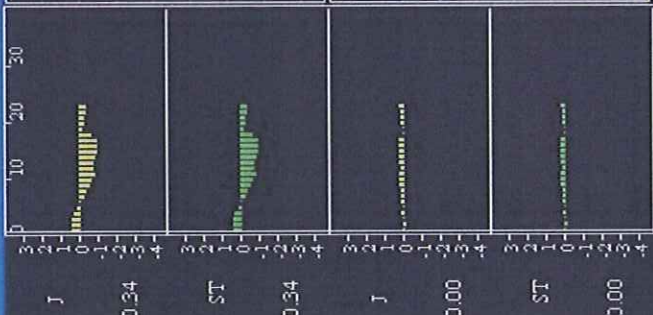
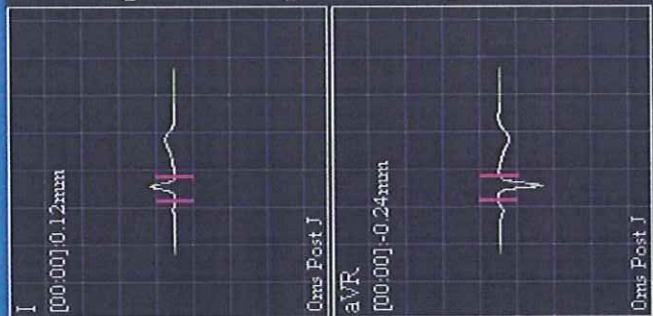
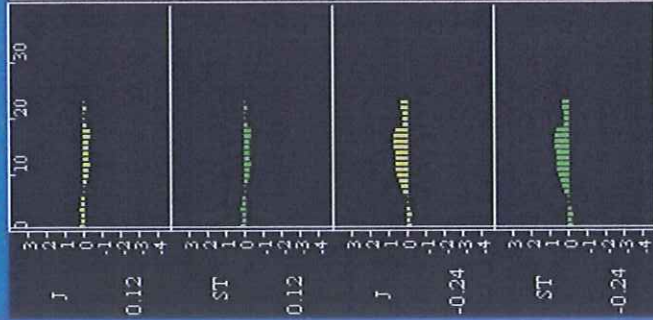
Header Info

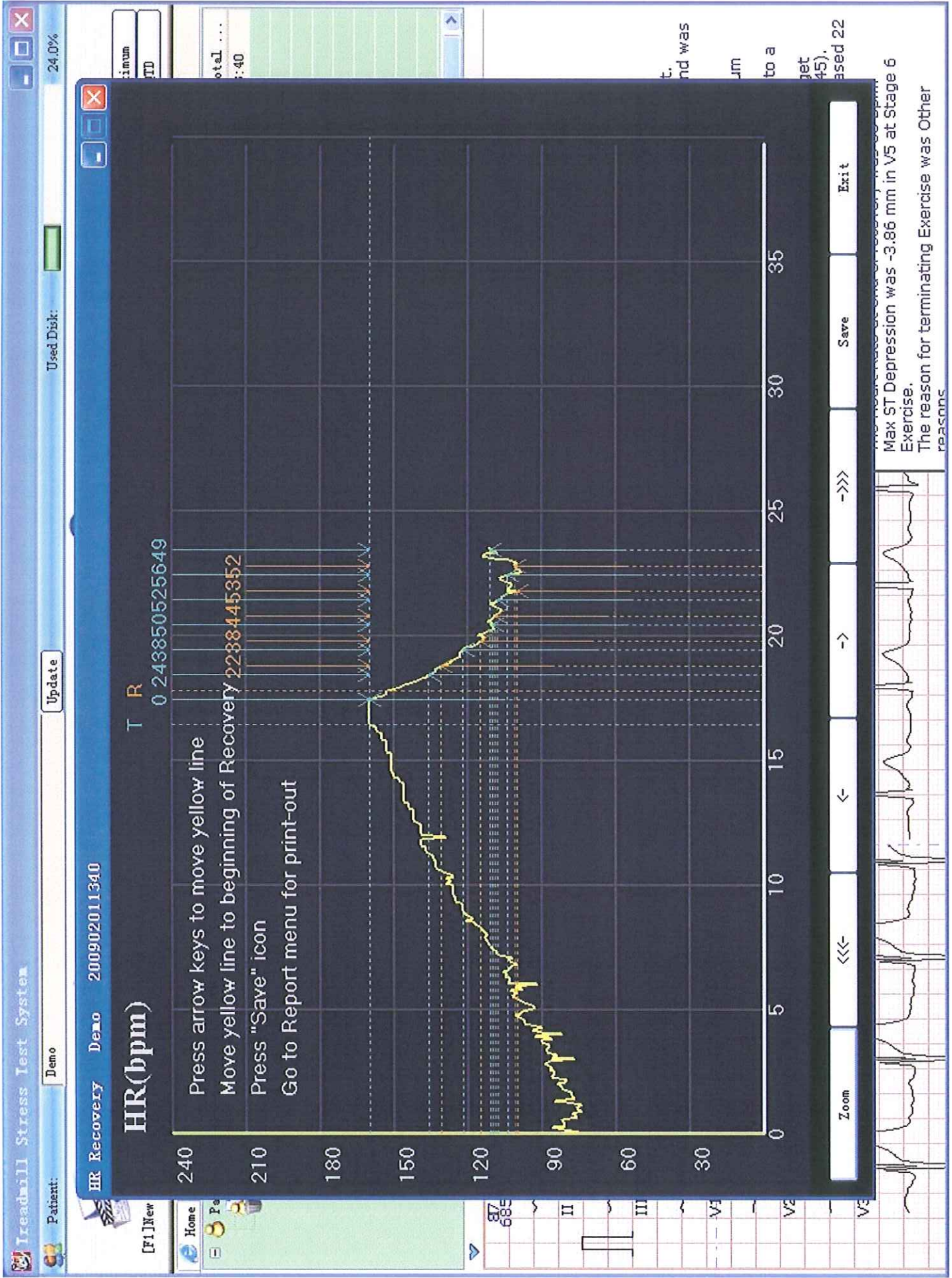
Bruce Total Test Time: 23:40
 Max HR: 164 bpm, 125 % of Target HR 131 bpm
 Max BP: 0 / 0 mmHg Max Workload: 20.5 METS
 Max ST Depression: -3.86 mm in V5 at Exercise Stage 6
 Reason of Termination: Other reasons

Custom Format

- 2:1 AV block
- Atrial fibrillation
- Atrial flutter
- Atrioventricular reentry
- Bigeminal rhythm
- Bradycardia
- Bundle branch block, BBB
- Chest Pain
- Complete AV block
- Dizziness
- Escape beat
- Exit block
- Fusion beat
- High grade AV block
- I grade AV block
- II grade AV block
- III grade AV block









Baseline V5	ST 1.05mm	Max HR V5	HR: 164bpm	Max ST V5	ST -3.86mm	Recovery 1 Min V5	ST -1.34mm	Recovery 3 Min V5	ST -0.29mm
V6	ST 0.73mm	V6		V6	ST -3.17mm	V6	ST -1.39mm	V6	ST -0.81mm
V4	ST 2.27mm	V4		V4	ST -2.00mm	V4	ST 0.83mm	V4	ST 2.17mm
I	Delta ST -0.46mm	II	Delta ST -1.32mm	III	Delta ST -0.78mm	aVR	Delta ST 0.17mm	aVL	Delta ST -1.07mm
Max Delta ST		V1	Delta ST -0.29mm	V2	Delta ST -0.98mm	V4	Delta ST -4.27mm	V5	Delta ST -3.91mm

Preview

Print

Exit

II

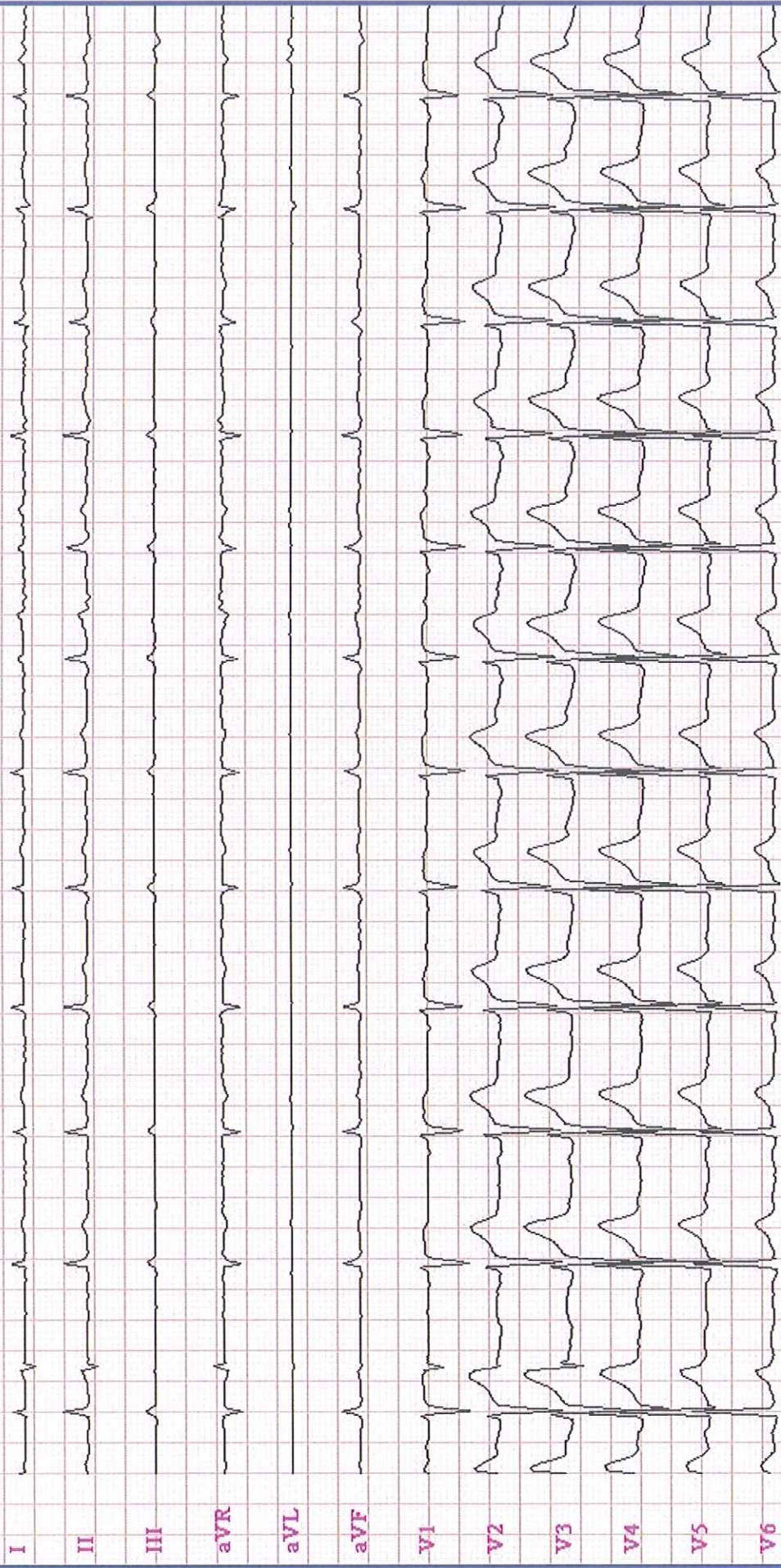
Time: 00:00

Gain: 5mm/mV

Clean

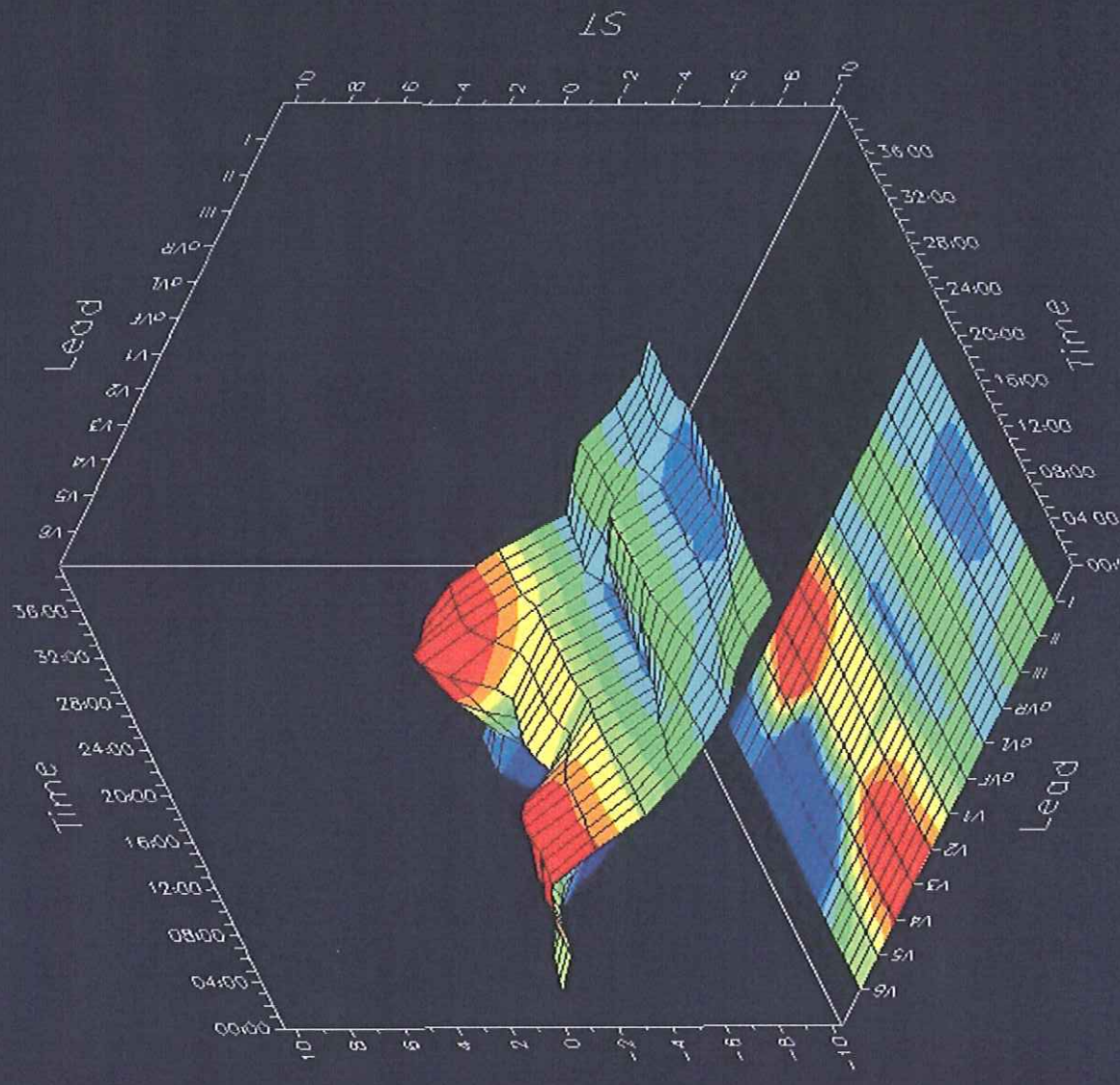
Edit

69	74	76	80	80	81	81	80	82
865	810	780	750	750	735	740	750	730



Exercise Stage1 00:00

Navigation buttons: V, S, P, F, Add Beat, Del Beat, Edit, Ruler, SaveStrips, Show Mark, Print, Re-Analysis, Exit



Display

ST Data

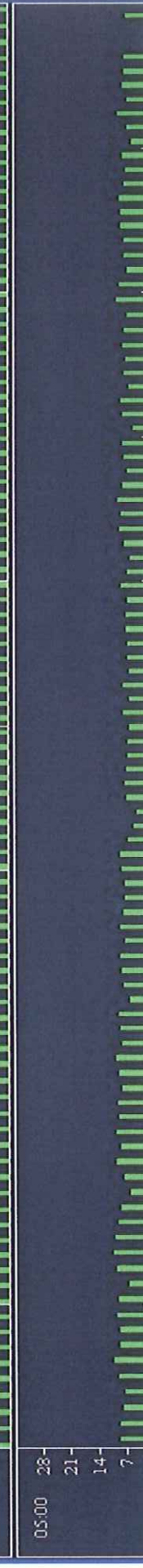
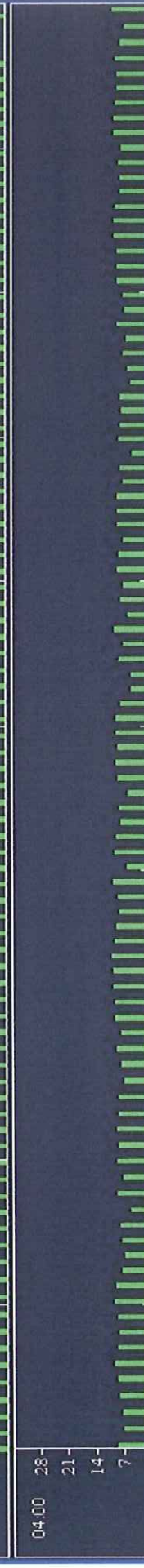
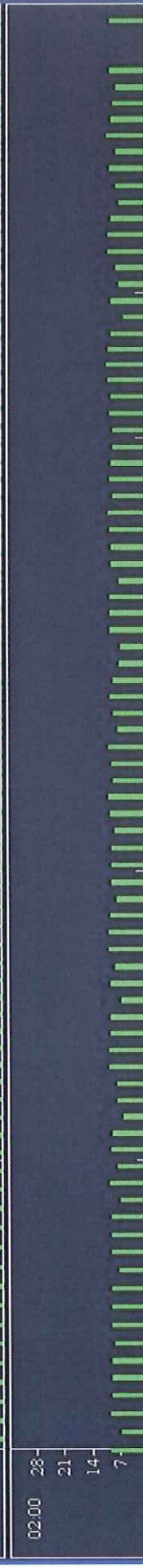
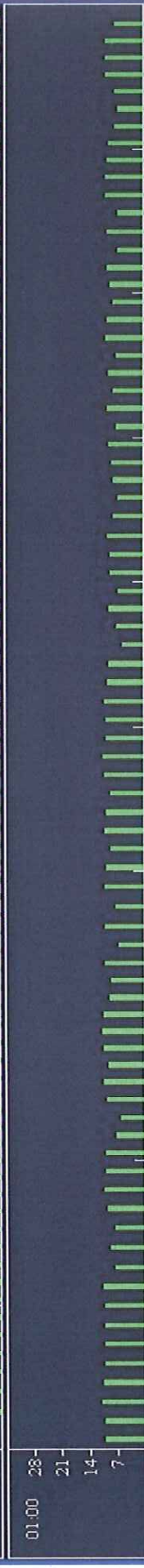
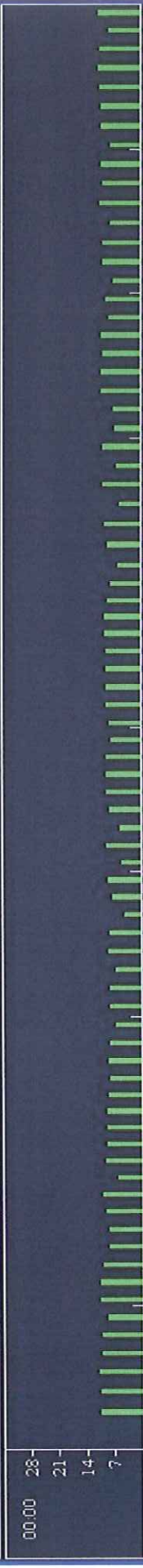
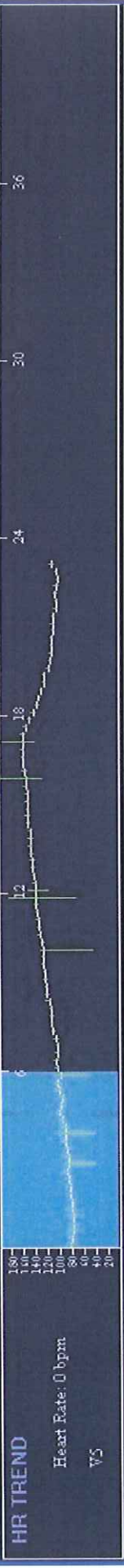
Delta ST Data

Reset

Print

Save Picture

Exit



T-Wave Alternans type 1

Delta T Amplitude > uV

Total Change # of Beats >

Baseline Wander < uV

Restore Re-Analyze close



Report

- ❖ **Print Summary Report**
- ❖ **Print Tabular Summary**
- ❖ **Print Graded Exercise Summary**
- ❖ **Print ST Stage Report**
- ❖ **Print Trend Report**
- ❖ **Print ST/HR Loop Report**
- ❖ **Print HR Recovery Report**
- ❖ **Print Full Disclosure**
- ❖ **Print ECG Strip**

Patient: Demo

Address:

ID: 200402041706

Age: 65

DOB: 01/01/1944

Sex: Male

Height: 175cm

Weight: 80kg

Physician: DoctorA

Referring: DoctorB

Indication:

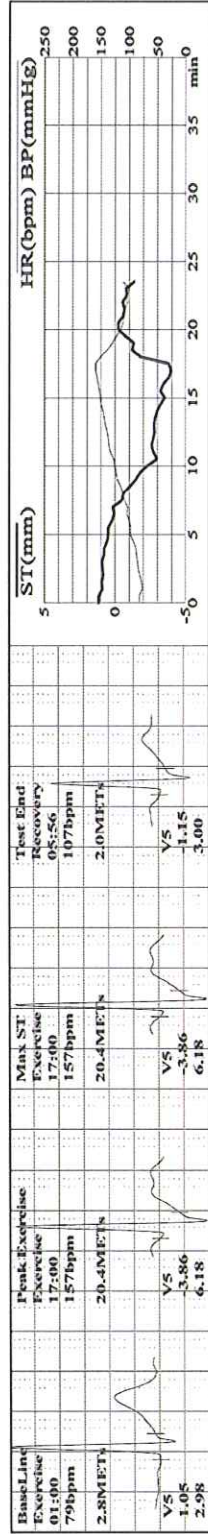
Medication:

The reason for terminating Exercise was Other reasons



Exercise Test Summary

Phase	Stage	Time (min:sec)	Total Time (min:sec)	Speed (km/h)	Grade (%)	Workload (METs)	HR (bpm)	BP (mmHg)	RPP (*100)	VE	SVE	ST V5(mm)	Comment
Pretest Exercise	1	00:15	03:00	0.0	0.0	1.0	86			0	0	0.88	
	2	03:00	05:00	2.8	12.0	4.0	96			0	0	0.88	
	3	03:00	08:00	4.0	14.0	7.0	106			0	0	0.34	
	4	03:00	09:00	5.5	14.0	10.2	123			0	0	-1.29	
	5	03:00	12:00	6.7	16.0	13.4	142			0	0	-2.86	
	6	03:00	15:00	8.1	18.0	17.4	155			0	0	-3.32	
		02:44	17:44	8.9	20.0	20.5	164			0	0	-3.86	
Recovery		01:00	11:56	2.0	0.0	11.5	129			0	0	-1.34	
		01:00	12:56	2.0	0.0	2.3	113			0	0	-0.78	
		01:00	13:56	2.0	0.0	2.0	107			0	0	-0.29	
		01:00	14:56	2.0	0.0	2.0	100			0	0	-0.61	
		01:00	15:56	2.0	0.0	2.0	97			0	0	-0.68	
		00:56	16:52	2.0	0.0	2.0	99			0	0	-1.15	



CONCLUSION

The Bruce protocol was used for this Stress Test.
The total duration of Exercise time was 17:44, and was terminated at stage 6.
The maximum METS workload was 20.5 METS.
The maximum speed was 8.9 km/h and maximum grade 20.0
Resting Heart Rate was 86 bpm, and increased to a maximum Heart Rate of 164 bpm.
The Max HR of 164 represents 125% of the Target Heart Rate of 131 bpm (Stage 6 at 01:45) (16:45).
At 1-minute post exercise the Heart Rate decreased 22 bpm from 151 to 129.
The Heart Rate at end of recovery was 88 bpm.
Max ST Depression was -3.86 mm in V5 at Stage 6 Exercise.
The reason for terminating Exercise was Other reasons.

Physician Confirmation:



TABULAR SUMMARY REPORT

General Hospital

Patient: Demo 65 Male 175cm 80kg
 ID: 200402041706
 Test Date: 02/01/2009 13:40
 The reason for terminating Exercise was Other reasons

Bruce Total Test Time: 23:40
 Max HR: 164 bpm, 125% of Target HR 131 bpm
 Max BP: N/A mmHg Max Workload: 20.50 METS
 Max ST Depression was -3.86 mm in V5 at Stage 6 Exercise.

Sampling: 1000Hz
 Filter: ADS Filter Main Filter

Phase	Stage	Time (min:sec)	Total Time (min:sec)	Speed (cm/h)	Speed (mph)	Grade (%)	Workload (METs)	HR (bpm)	BP (mmHg)	BP (kPa)	RPP (*100)	VE	SVE	ST V5(mm)	Comment
Pretest		00:15		0.0	0.0	0.0	1.0	86				0	0	1.05	
Exercise	1	01:00	01:00	2.8	1.7	10.0	2.8	88				0	0	1.05	
		01:00	02:00	2.8	1.7	10.0	4.7	87				0	0	0.90	
		01:00	03:00	2.8	1.7	10.0	4.7	93				0	0	0.88	
	2	01:00	04:00	4.0	2.5	12.0	5.8	100				0	0	0.76	
		01:00	05:00	4.0	2.5	12.0	7.0	103				0	0	0.56	
		01:00	06:00	4.0	2.5	12.0	7.0	106				0	0	0.34	
	3	01:00	07:00	5.5	3.4	14.0	8.6	109				0	0	0.05	
		01:00	08:00	5.5	3.4	14.0	10.2	115				0	0	-0.49	
		01:00	09:00	5.5	3.4	14.0	10.2	123				0	0	-1.29	
	4	01:00	10:00	6.7	4.2	16.0	11.7	127				0	0	-2.05	
		01:00	11:00	6.7	4.2	16.0	13.3	136				0	0	-2.86	
		01:00	12:00	6.7	4.2	16.0	13.4	142				0	0	-2.64	
	5	01:00	13:00	8.1	5.0	18.0	15.3	150				0	0	-2.71	
		01:00	14:00	8.1	5.0	18.0	17.3	150				0	0	-2.93	
		01:00	15:00	8.1	5.0	18.0	17.4	155				0	0	-3.32	
	6	01:00	16:00	8.9	5.5	20.0	18.9	160				0	0	-3.37	
		01:00	17:00	8.9	5.5	20.0	20.4	164				0	0	-3.86	
		00:44	17:44	8.9	5.5	20.0	20.5	164				0	0	-3.30	
Recovery	1	01:00		2.0	1.2	0.0	11.5	129				0	0	-1.34	
		01:00		2.0	1.2	0.0	2.3	113				0	0	-0.78	
		01:00		2.0	1.2	0.0	2.0	107				0	0	-0.29	
		01:00		2.0	1.2	0.0	2.0	100				0	0	-0.61	
		01:00		2.0	1.2	0.0	2.0	97				0	0	-0.68	
		00:56		2.0	1.2	0.0	2.0	99			0	0	-1.15		





GRADED EXERCISE SUMMARY REPORT

General Hospital

Patient: Demo 65 Male 175cm 80kg
ID: 200402041706
Test Date: 02/01/2009 13:40
The reason for terminating Exercise was Other reasons

Bruce Total Test Time: 23:40
Max HR: 164 bpm, 125% of Target HR 131 bpm
Max BP: N/A mmHg Max Workload: 20.50 METS
Max ST Depression was -3.86 mm in V5 at Stage 6 Exercise.

Sampling: 1000Hz
Filter: ADS Filter Main Filter

	BaseLine	Peak Exercise	Max ST	Test End	BaseLine	Peak Exercise	Max ST	Test End
	Exercise	Exercise	Exercise	Recovery	Exercise	Exercise	Exercise	Recovery
	01:00	17:00	17:00	05:56	01:00	17:00	17:00	05:56
	79bpm	157bpm	157bpm	107bpm	79bpm	157bpm	157bpm	107bpm
	2.8METs	20.4METs	20.4METs	2.0METs	2.8METs	20.4METs	20.4METs	2.0METs
I								
	0.12	-0.34	-0.34	-0.17	0.85	1.15	1.15	1.42
	0.39	0.81	0.81	0.39	0.37	0.88	0.88	3.05
II								
	-0.34	-0.98	-0.98	-0.51	2.10	1.12	1.12	2.61
	0.51	1.54	1.54	0.93	2.64	6.47	6.47	8.62
III								
	0.17	-0.61	-0.61	-0.34	3.05	1.05	1.05	2.98
	0.07	0.63	0.63	0.51	4.54	11.30	11.30	11.01
aVR								
	-0.24	0.66	0.66	0.34	2.27	-2.00	-2.00	0.54
	-0.49	-1.12	-1.12	-0.66	4.57	11.13	11.13	7.35
aVL								
	-0.02	0.15	0.15	0.07	1.05	-3.86	-3.86	-1.15
	0.15	0.02	0.02	-0.02	2.98	6.18	6.18	3.00
aVF								
	0.27	-0.81	-0.81	-0.42	0.73	-3.17	-3.17	-1.17
	0.29	1.10	1.10	0.73	1.86	3.44	3.44	1.71
	10mm/mV	25mm/s						



ST STAGE REPORT

General Hospital

Patient: Demo 65 Male 175cm 80kg
ID: 200402041706
Test Date: 02/01/2009 13:40

Bruce Total Test Time: 23:40
Max HR: 164 bpm, 125% of Target HR 131 bpm
Max BP: N/A mmHg Max Workload: 20.50 METS
Max ST Depression was -3.86 mm in V5 at Stage 6 Exercise.

Sampling: 1000Hz
Filter: ADS Filter Main Filter

The reason for terminating Exercise was Other reasons

Exercise Stage1	Exercise Stage1	Exercise Stage2	Exercise Stage2	Exercise Stage2	Exercise Stage3	Exercise Stage3	Exercise Stage3
01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00
79bpm	79bpm	85bpm	88bpm	95bpm	99bpm	103bpm	109bpm
2.8METs	4.7METs	4.7METs	5.8METs	7.0METs	7.0METs	8.6METs	10.2METs
BaseLine							
I	I	I	I	I	I	I	I
0.12	0.05	0.10	0.15	0.02	0.02	-0.02	-0.07
0.39	0.49	0.49	0.44	0.51	0.54	0.56	0.56
II	II	II	II	II	II	II	II
0.34	0.37	0.32	0.24	0.05	-0.05	-0.22	-0.42
0.51	0.61	0.63	0.66	0.81	1.05	1.29	1.34
III	III	III	III	III	III	III	III
0.17	0.32	0.20	0.10	0.02	-0.07	-0.20	-0.32
0.07	0.07	0.15	0.20	0.24	0.49	0.68	0.63
aVR	aVR	aVR	aVR	aVR	aVR	aVR	aVR
-0.24	-0.20	-0.22	-0.20	-0.02	0.00	0.12	0.22
-0.49	-0.56	-0.56	-0.56	-0.66	-0.81	-1.00	-0.98
aVL	aVL	aVL	aVL	aVL	aVL	aVL	aVL
-0.02	-0.12	-0.05	-0.02	0.00	-0.05	0.05	-0.10
0.15	0.20	0.17	0.12	0.15	0.02	0.00	0.00
aVF	aVF	aVF	aVF	aVF	aVF	aVF	aVF
0.27	0.32	0.27	0.15	0.02	-0.05	-0.20	-0.37
0.29	0.37	0.39	0.44	0.54	0.76	0.98	1.00
Lead	Lead	Lead	Lead	Lead	Lead	Lead	Lead
ST(mm)	ST(mm)	ST(mm)	ST(mm)	ST(mm)	ST(mm)	ST(mm)	ST(mm)
Slope mV/s	Slope mV/s	Slope mV/s	Slope mV/s	Slope mV/s	Slope mV/s	Slope mV/s	Slope mV/s
10mm/mV	10mm/mV	10mm/mV	10mm/mV	10mm/mV	10mm/mV	10mm/mV	10mm/mV
2.5mm/s	2.5mm/s	2.5mm/s	2.5mm/s	2.5mm/s	2.5mm/s	2.5mm/s	2.5mm/s



TREND REPORT

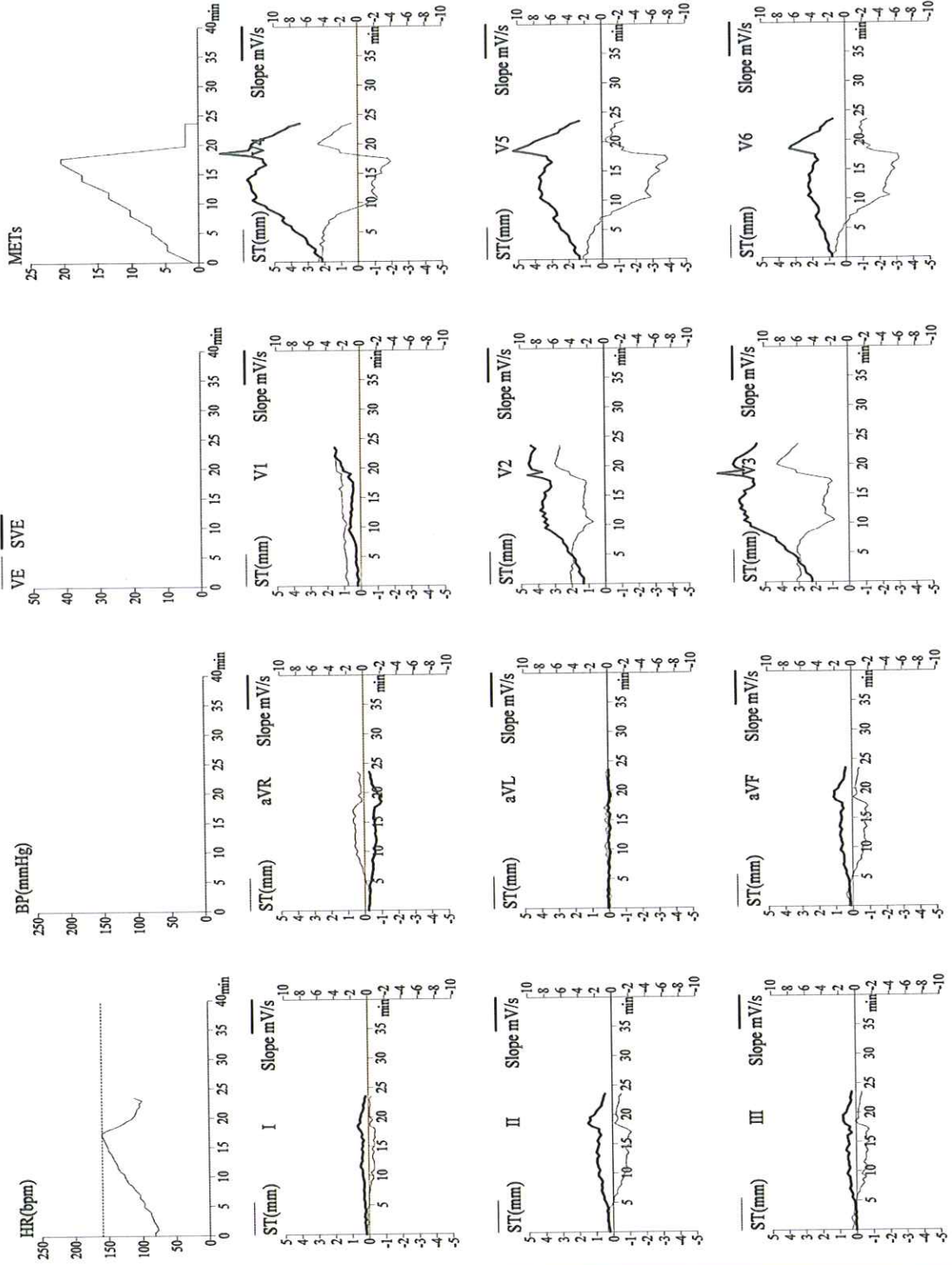
General Hospital

Patient: Demo 65 Male 175cm 80kg
ID: 200402041706
Test Date: 02/01/2009 13:40

Bruce Total Test Time: 23:40
Max HR: 164 bpm, 125% of Target HR 131 bpm
Max BP: N/A mmHg Max Workload: 20.50 METS
Max ST Depression was -3.86 mm in V5 at Stage 6 Exercise.

Sampling: 1000Hz
Filter: ADS Filter Main Filter

The reason for terminating Exercise was Other reasons



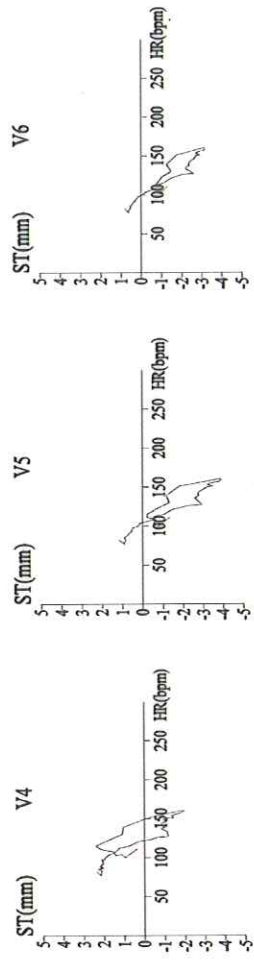
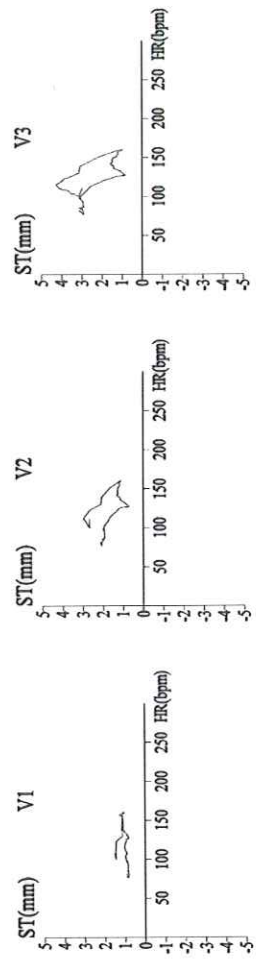
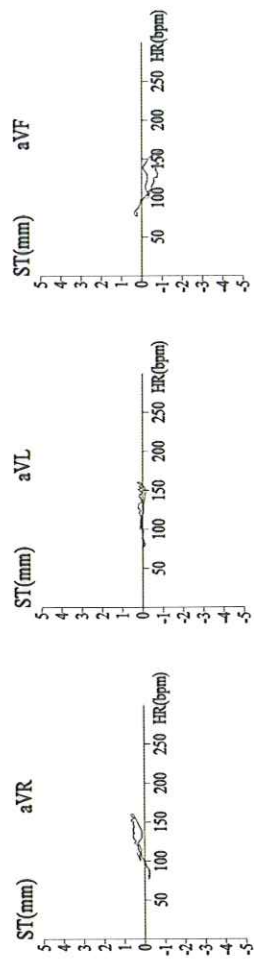
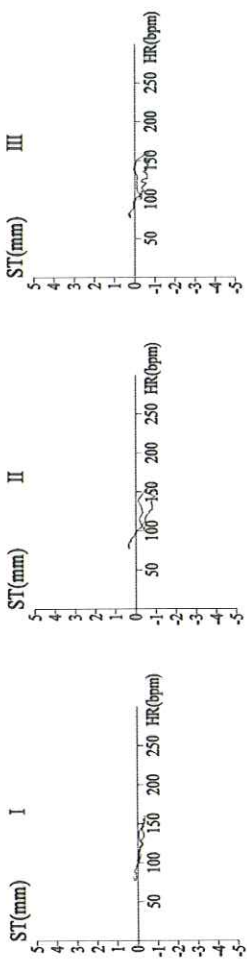
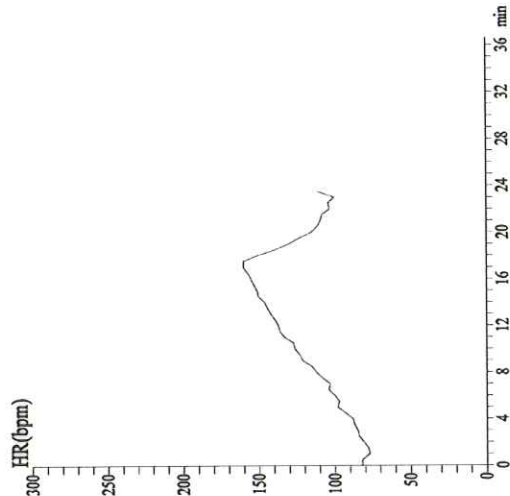
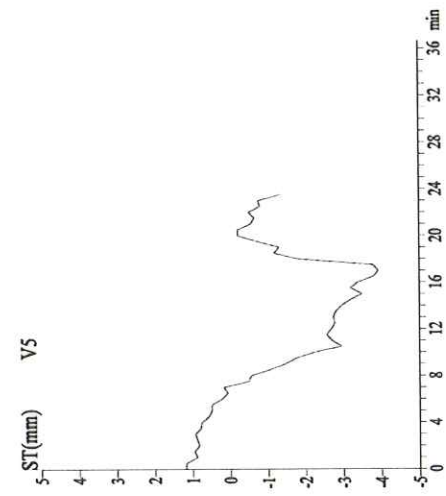


TREND: ST/HR LOOP REPORT

General Hospital

Patient: Demo 65 Male 175cm 80kg
ID: 200402041706
Test Date: 02/01/2009 13:40
The reason for terminating Exercise was Other reasons

Bruce Total Test Time: 23:40
Max HR: 164 bpm, 125% of Target HR 131 bpm
Max BP: N/A mmHg Max Workload: 20.50 METS
Max ST Depression was -3.86 mm in V5 at Stage 6 Exercise.





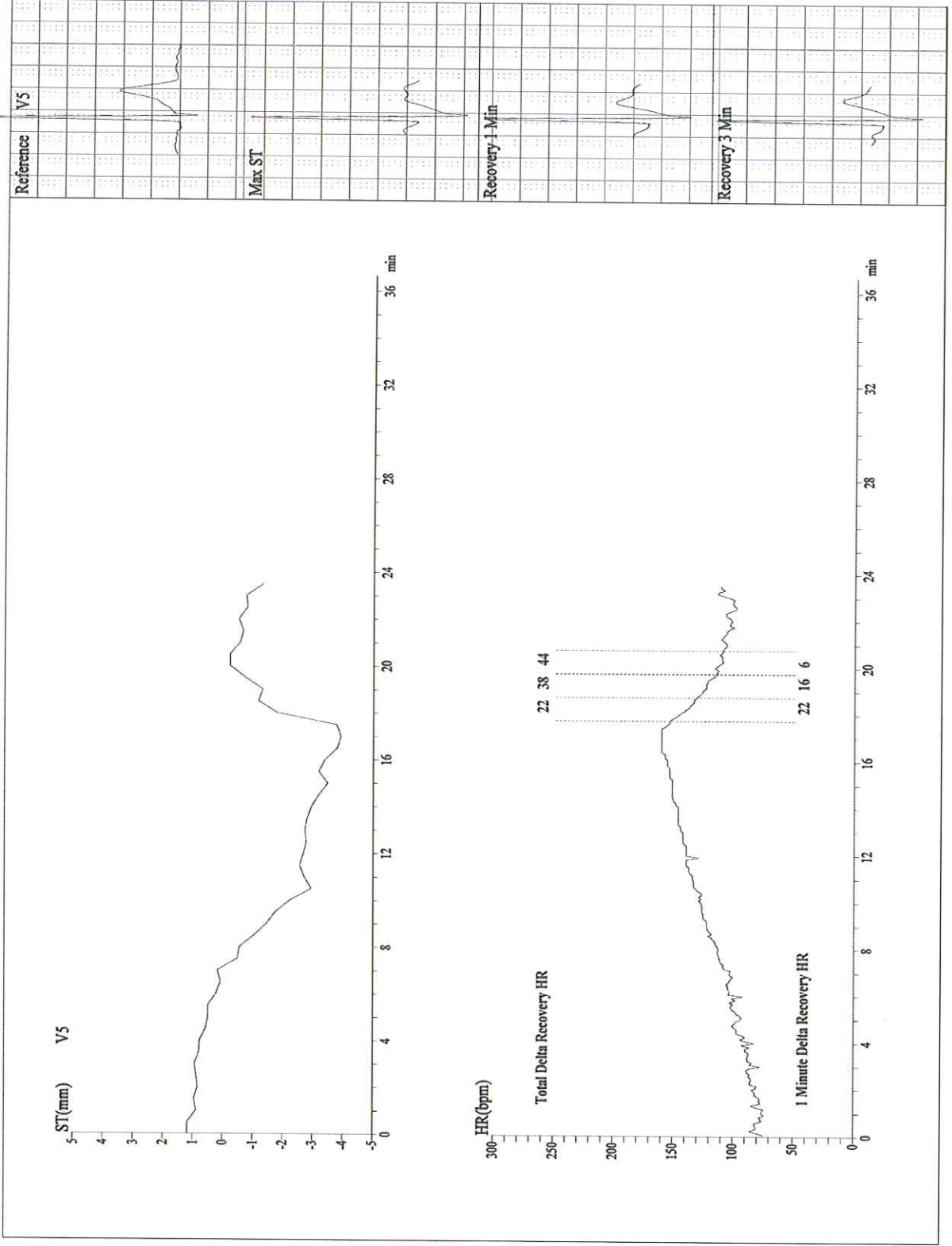
HR RECOVERY REPORT

General Hospital

Patient: Demo 65 Male 175cm 80kg
ID: 200402041706
Test Date: 02/01/2009 13:40
The reason for terminating Exercise was Other reasons

Bruce Total Test Time: 23:40
Max HR: 164 bpm, 125% of Target HR 131 bpm
Max BP: N/A mmHg Max Workload: 20.50 METS
Max ST Depression was -3.86 mm in V5 at Stage 6 Exercise.

Sampling: 1000Hz
Filter: ADS Filter Main Filter



Hardware: treadmill & bluetooth device

