

CENTRUL MEDICAL DIACONIA ECG HOLTER Report

Name:

Sex: Male

Age: 18Years

Department: CARDIO.

Bed No.:

13

Admission No.:

13

Case No.:

ID: 0000024

Start: 2020-04-23 12:14:16

Stop: 2020-04-24 12:09:35

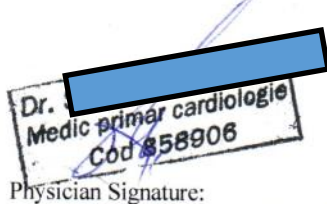
Total time: 23:55:19

<p>HR:</p> <p>Av. HR: 79</p> <p>Min HR: 44 Time: 2020-04-24 03:27:28</p> <p>Max HR: 181 Time: 2020-04-23 20:00:46</p> <p>Total Beats: 113735</p> <p>Abnormal Beats: 59</p> <p>Abnormal Permillage: 0</p>	<p>Pause time:</p> <p>Pause Beats that R-R > 2000 ms: 0</p>
---	---

<p>S:</p> <p>Total S: 54 Single: 43 SVE</p> <p>Total S Pair: 2 Total: 4 SVE</p> <p>Bigeminy: 0 Total: 0 SVE</p> <p>Trigeminy: 0 Total: 0 SVE</p> <p>Total S Run: 2 Total: 7 SVE</p> <p>S Permillage: 0</p> <p>Max S in a Min: 4</p>	<p>V:</p> <p>Total V: 5 Single: 5 VE</p> <p>Total V Pair: 0 Total: 0 VE</p> <p>Bigeminy: 0 Total: 0 VE</p> <p>Trigeminy: 0 Total: 0 VE</p> <p>Total V Run: 0 Total: 0 VE</p> <p>V Permillage: 0</p> <p>Max V in a Min: 2</p>
---	--

<p>HRV(Time Domain):</p> <p>SDNN (ms) : 193.6</p> <p>SDANN (ms) : 180.6</p> <p>rMSSD (ms) : 49.5</p> <p>PNN50 (%) : 18.5</p> <p>CV : 0.10</p> <p>HRV(Frequency Domain):(ms*ms/Hz)</p> <p>Power: 22308.9</p> <p>ULF : 17914.2</p> <p>VLF : 3226.1</p> <p>LF : 750.1</p> <p>HF : 418.5</p>	<p>ST:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2"></th> <th colspan="2" style="border-bottom: 1px solid black;">Elevation</th> <th colspan="2" style="border-bottom: 1px solid black;">Depression</th> </tr> <tr> <th>(seg.)</th> <th>(mV/min)</th> <th>(seg.)</th> <th>(mV/min)</th> </tr> </thead> <tbody> <tr><td>I:</td><td>0</td><td>0.2</td><td>0</td><td>0.1</td></tr> <tr><td>II:</td><td>0</td><td>0.2</td><td>0</td><td>0.1</td></tr> <tr><td>III:</td><td>0</td><td>0.2</td><td>0</td><td>0.1</td></tr> <tr><td>aVR:</td><td>0</td><td>0.2</td><td>0</td><td>0.1</td></tr> <tr><td>aVL:</td><td>0</td><td>0.2</td><td>0</td><td>0.1</td></tr> <tr><td>aVF:</td><td>0</td><td>0.2</td><td>0</td><td>0.1</td></tr> <tr><td>V1:</td><td>0</td><td>0.2</td><td>0</td><td>0.1</td></tr> <tr><td>V2:</td><td>0</td><td>0.2</td><td>0</td><td>0.1</td></tr> <tr><td>V3:</td><td>0</td><td>0.2</td><td>0</td><td>0.1</td></tr> <tr><td>V4:</td><td>0</td><td>0.2</td><td>0</td><td>0.1</td></tr> <tr><td>V5:</td><td>0</td><td>0.2</td><td>0</td><td>0.1</td></tr> <tr><td>V6:</td><td>0</td><td>0.2</td><td>0</td><td>0.1</td></tr> </tbody> </table>		Elevation		Depression		(seg.)	(mV/min)	(seg.)	(mV/min)	I:	0	0.2	0	0.1	II:	0	0.2	0	0.1	III:	0	0.2	0	0.1	aVR:	0	0.2	0	0.1	aVL:	0	0.2	0	0.1	aVF:	0	0.2	0	0.1	V1:	0	0.2	0	0.1	V2:	0	0.2	0	0.1	V3:	0	0.2	0	0.1	V4:	0	0.2	0	0.1	V5:	0	0.2	0	0.1	V6:	0	0.2	0	0.1
	Elevation		Depression																																																																			
	(seg.)	(mV/min)	(seg.)	(mV/min)																																																																		
I:	0	0.2	0	0.1																																																																		
II:	0	0.2	0	0.1																																																																		
III:	0	0.2	0	0.1																																																																		
aVR:	0	0.2	0	0.1																																																																		
aVL:	0	0.2	0	0.1																																																																		
aVF:	0	0.2	0	0.1																																																																		
V1:	0	0.2	0	0.1																																																																		
V2:	0	0.2	0	0.1																																																																		
V3:	0	0.2	0	0.1																																																																		
V4:	0	0.2	0	0.1																																																																		
V5:	0	0.2	0	0.1																																																																		
V6:	0	0.2	0	0.1																																																																		

Conclusion:



Dr.
 Medic primar cardiologie
 Cod 858906
 Physician Signature:

Arrhythmia Table

Time	HR (bpm)			V (n)					S (n)					L n	BC seg.
	Av	Min.	Max.	V	Pair	Run	Big	Trig	S	Pair	Run	Big	Trig		
12:14 13:14	94	75	123	2	0	0	0	0	6	0	0	0	0	0	0
13:14 14:14	83	69	105	0	0	0	0	0	1	0	0	0	0	0	0
14:14 15:14	74	56	109	0	0	0	0	0	1	0	0	0	0	0	0
15:14 16:14	84	63	125	0	0	0	0	0	1	0	0	0	0	0	0
16:14 17:14	90	72	120	0	0	0	0	0	0	0	0	0	0	0	0
17:14 18:14	95	75	129	0	0	0	0	0	0	0	0	0	0	0	0
18:14 19:14	86	78	96	0	0	0	0	0	0	0	0	0	0	0	0
19:14 20:14	118	88	176	0	0	0	0	0	0	0	0	0	0	0	0
20:14 21:14	92	71	130	0	0	0	0	0	2	0	0	0	0	0	0
21:14 22:14	86	72	106	0	0	0	0	0	3	0	0	0	0	0	0
22:14 23:14	78	68	90	0	0	0	0	0	4	0	0	0	0	0	0
23:14 00:14	69	55	90	0	0	0	0	0	2	0	0	0	0	0	0
00:14 01:14	62	52	77	0	0	0	0	0	0	0	0	0	0	0	0
01:14 02:14	58	51	67	0	0	0	0	0	10	1	1	0	0	0	1
02:14 03:14	65	50	90	0	0	0	0	0	0	0	0	0	0	0	0
03:14 04:14	60	50	73	0	0	0	0	0	8	0	1	0	0	0	0
04:14 05:14	71	51	115	0	0	0	0	0	3	1	0	0	0	0	0
05:14 06:14	80	64	103	0	0	0	0	0	0	0	0	0	0	0	0
06:14 07:14	75	60	100	0	0	0	0	0	2	0	0	0	0	0	0
07:14 08:14	77	60	107	0	0	0	0	0	3	0	0	0	0	0	0
08:14 09:14	80	64	107	0	0	0	0	0	2	0	0	0	0	0	0
09:14 10:14	85	65	125	0	0	0	0	0	1	0	0	0	0	0	0
10:14 11:14	81	61	117	0	0	0	0	0	4	0	0	0	0	0	0
11:14 12:09	86	64	130	3	0	0	0	0	1	0	0	0	0	0	0
All	78	50	176	5	0	0	0	0	54	2	2	0	0	0	1

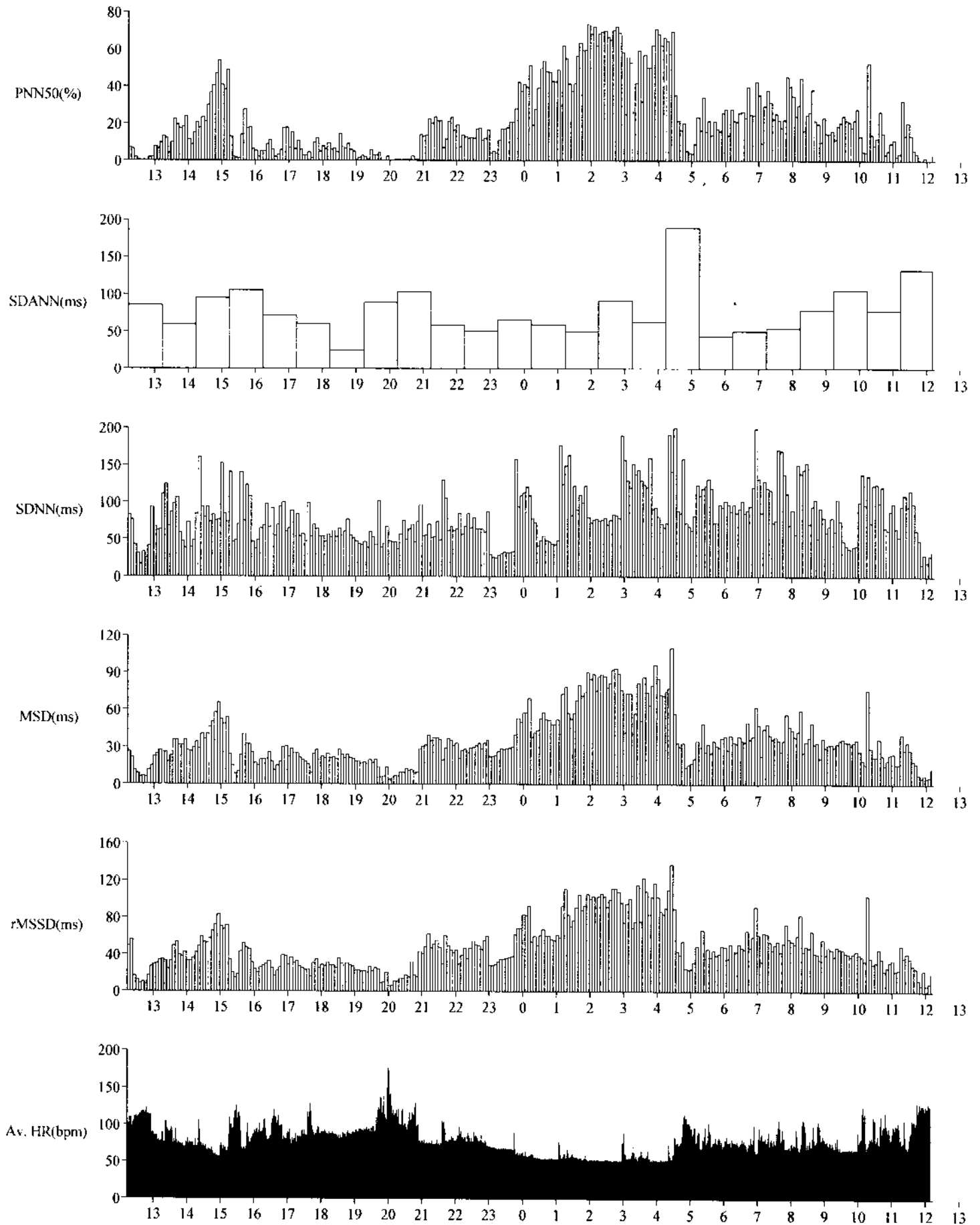
ST Table

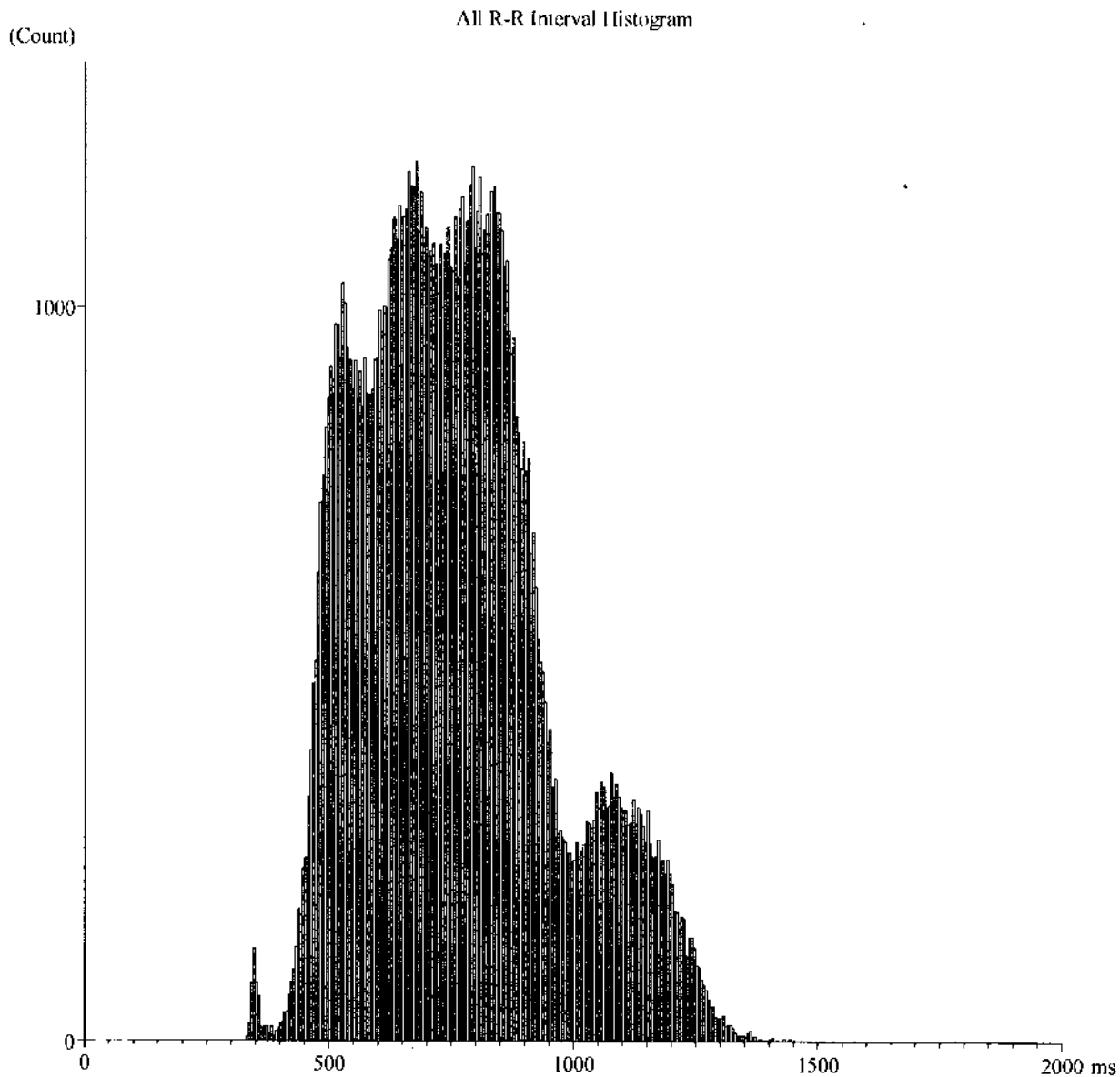
Time	I_ST mV	II_ST mV	III_ST mV	aVR_ST mV	aVL_ST mV	aVF_ST mV	V1_ST mV	V2_ST mV	V3_ST mV	V4_ST mV	V5_ST mV	V6_ST mV
12:14 13:14	0.01	0.03	0.02	-0.02	-0.00	0.02	0.03	0.07	0.09	0.07	0.04	0.02
13:14 14:14	0.02	0.03	0.02	-0.02	0.00	0.02	0.03	0.09	0.10	0.08	0.05	0.03
14:14 15:14	0.01	0.03	0.02	-0.02	-0.00	0.03	0.02	0.07	0.09	0.09	0.06	0.03
15:14 16:14	0.01	0.03	0.02	-0.02	-0.00	0.02	0.02	0.06	0.08	0.07	0.04	0.02
16:14 17:14	0.01	0.03	0.02	-0.02	-0.00	0.03	0.02	0.07	0.08	0.07	0.04	0.03
17:14 18:14	0.01	0.03	0.02	-0.02	-0.00	0.03	0.03	0.08	0.08	0.07	0.04	0.02
18:14 19:14	0.01	0.04	0.03	-0.03	-0.01	0.04	0.03	0.08	0.09	0.07	0.04	0.03
19:14 20:14	0.01	0.03	0.02	-0.02	-0.00	0.02	0.02	0.05	0.07	0.06	0.04	0.02
20:14 21:14	0.02	0.03	0.02	-0.02	-0.00	0.03	0.03	0.08	0.09	0.07	0.04	0.02
21:14 22:14	0.02	0.03	0.01	-0.02	0.00	0.02	0.03	0.09	0.11	0.09	0.06	0.04
22:14 23:14	0.01	0.04	0.03	-0.03	-0.01	0.04	0.02	0.08	0.12	0.11	0.07	0.05
23:14 00:14	0.01	0.04	0.03	-0.03	-0.01	0.04	0.01	0.06	0.10	0.11	0.08	0.05
00:14 01:14	0.02	0.04	0.02	-0.02	0.00	0.03	0.02	0.06	0.09	0.10	0.09	0.06
01:14 02:14	0.02	0.04	0.02	-0.03	0.00	0.03	0.02	0.09	0.12	0.10	0.07	0.04
02:14 03:14	0.02	0.04	0.02	-0.03	0.00	0.03	0.02	0.09	0.11	0.10	0.07	0.04
03:14 04:14	0.02	0.04	0.02	-0.03	0.00	0.03	0.02	0.08	0.10	0.11	0.08	0.05
04:14 05:14	0.02	0.03	0.02	-0.02	0.00	0.03	0.02	0.08	0.11	0.11	0.07	0.04
05:14 06:14	0.02	0.04	0.03	-0.03	-0.00	0.03	0.03	0.09	0.11	0.09	0.06	0.03
06:14 07:14	0.02	0.05	0.03	-0.03	-0.00	0.04	0.03	0.09	0.11	0.10	0.06	0.04
07:14 08:14	0.02	0.04	0.02	-0.02	-0.00	0.03	0.03	0.09	0.11	0.09	0.05	0.03
08:14 09:14	0.01	0.03	0.02	-0.02	-0.00	0.03	0.02	0.08	0.10	0.09	0.05	0.03
09:14 10:14	0.02	0.04	0.02	-0.02	-0.00	0.03	0.02	0.09	0.12	0.10	0.06	0.04
10:14 11:14	0.02	0.04	0.03	-0.03	-0.00	0.03	0.02	0.08	0.10	0.08	0.05	0.03
11:14 12:09	0.01	0.03	0.02	-0.02	0.00	0.02	0.02	0.06	0.08	0.07	0.04	0.03
All	0.02	0.04	0.02	-0.02	-0.00	0.03	0.02	0.08	0.10	0.09	0.06	0.03

HRV Chart

Time	Max R-R ms	Min R-R ms	Av R-R ms	SDNN ms	HRV Index ms	CV	MSD ms	rMSSD ms	PNN50 %	VLI ms	VAI degree	1:LF ms*ms	VLF ms*ms	LF ms*ms	HF ms*ms
12:14 13:14	1115	310	594	98.8	107.8	0.09	15	28	3.3	139	0.67	4057.7	1307.4	319.2	134.7
13:14 14:14	1245	490	760	101.5	159.0	0.10	29	38	14.5	141	1.05	1566.6	2285.0	495.7	196.5
14:14 15:14	1360	460	881	140.5	234.9	0.11	45	62	33.9	194	1.43	3829.6	3192.4	862.5	553.2
15:14 16:14	1135	425	667	133.3	262.1	0.12	21	33	8.6	187	0.83	6778.0	2514.8	538.4	182.3
16:14 17:14	950	435	663	105.5	258.5	0.11	22	30	8.5	148	0.90	2022.4	2543.0	747.9	169.2
17:14 18:14	960	415	662	90.6	169.9	0.09	20	27	6.4	127	0.86	1465.9	1581.2	575.0	156.7
18:14 19:14	910	505	685	60.8	131.3	0.08	21	28	5.8	84	0.88	203.2	773.2	656.3	184.9
19:14 20:14	915	325	546	106.3	195.7	0.10	11	18	1.7	150	0.55	3993.3	1370.5	398.1	81.4
20:14 21:14	1160	425	622	116.4	217.6	0.10	16	30	4.9	163	0.66	5907.0	1460.3	348.5	148.2
21:14 22:14	1145	445	740	97.0	181.5	0.10	31	46	16.9	134	1.16	1291.8	1857.6	670.1	320.7
22:14 23:14	1265	530	779	80.3	175.0	0.08	29	46	11.7	109	1.03	918.0	1383.0	319.0	261.5
23:14 00:14	1450	530	936	107.7	125.7	0.08	41	59	27.9	147	1.21	1455.0	2824.4	735.7	507.4
00:14 01:14	1405	620	1076	102.5	134.9	0.07	50	62	42.3	138	1.31	1212.4	1839.2	451.0	512.9
01:14 02:14	1530	685	1092	119.7	206.1	0.10	73	94	57.2	156	1.89	939.5	2562.6	1079.1	1107.4
02:14 03:14	1440	590	1101	150.4	226.9	0.09	79	100	60.8	201	2.01	3228.2	3089.5	793.2	1260.0
03:14 04:14	1780	635	1087	135.2	243.5	0.11	71	96	53.2	179	1.83	1564.3	3580.2	1215.8	1219.7
04:14 05:14	1480	450	773	212.3	298.5	0.14	37	63	23.0	298	1.21	19591.4	5589.7	1284.8	745.7
05:14 06:14	1185	500	772	112.5	261.9	0.13	33	45	20.7	156	1.19	1304.0	2893.9	1432.7	337.2
06:14 07:14	1335	470	802	123.2	267.2	0.13	39	56	26.6	170	1.35	1653.4	3415.3	1842.7	444.9
07:14 08:14	1200	435	791	131.5	255.6	0.14	40	55	29.0	182	1.40	2378.0	4068.1	1116.6	377.7
08:14 09:14	1215	430	758	128.9	203.1	0.13	34	50	21.9	179	1.25	3487.1	2832.7	849.7	367.9
09:14 10:14	1130	365	812	142.9	155.1	0.09	29	41	16.4	200	1.01	5062.9	2112.6	398.5	308.3
10:14 11:14	1175	405	684	120.3	227.0	0.13	26	40	12.5	168	1.00	3722.5	2934.4	778.3	245.6
11:14 12:09	1030	360	592	145.0	91.5	0.09	15	26	6.5	204	0.65	11270.1	2186.9	340.8	110.0
All	1780	310	757	193.6	474.4	0.10	31	50	18.5	272	1.07	17914.2	3226.1	750.1	418.5

HRV Chart





Max R-R = 1780.0 ms

Min R-R = 310.0 ms

Av. R-R = 757.2 ms

SDNN = 193.6 ms

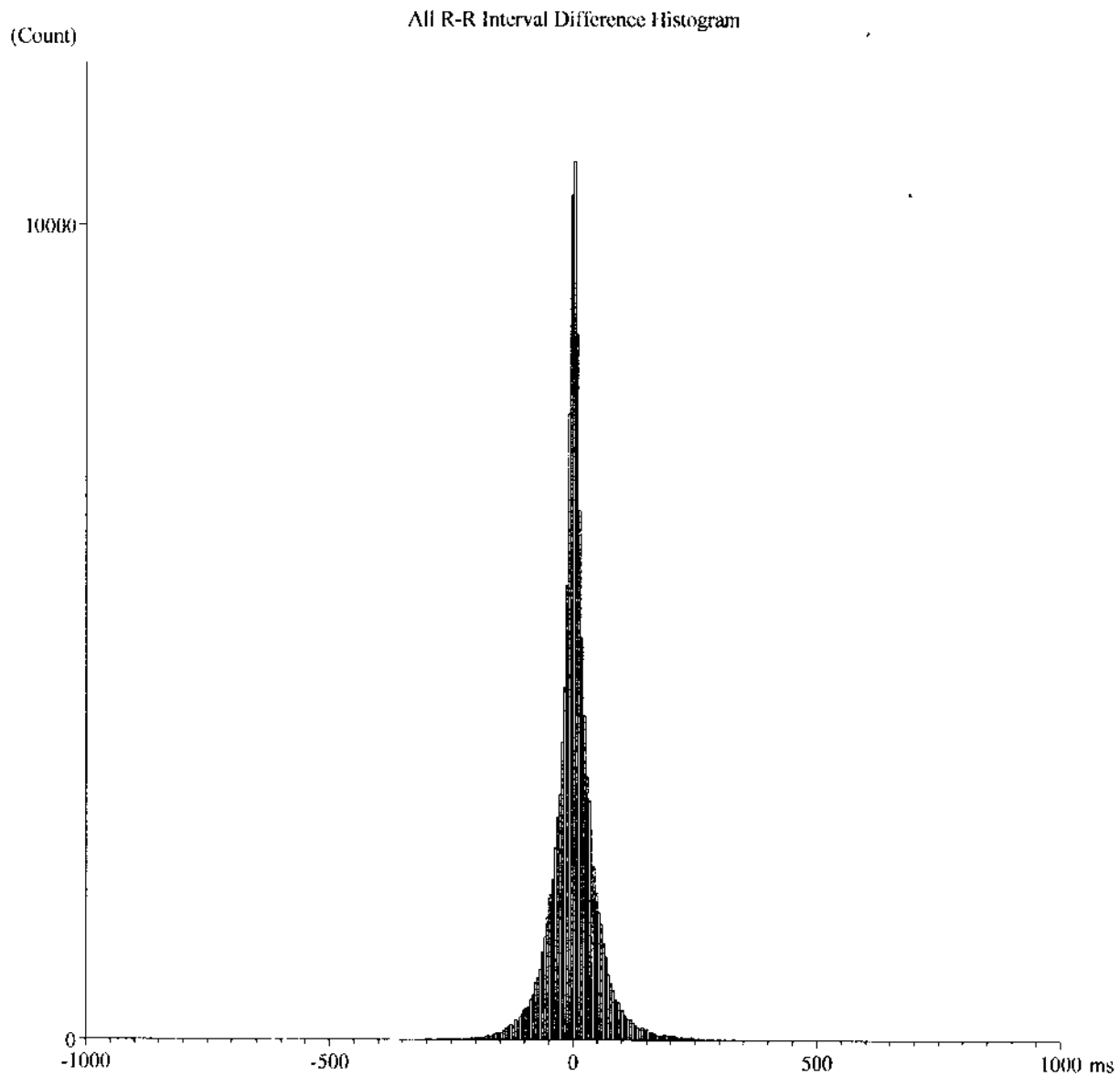
HRVIndex = 474.4 ms

TriangleIndex = 948.8 ms

CV = 0.10

MeanSD = 81.3 ms

SDANN = 180.6 ms

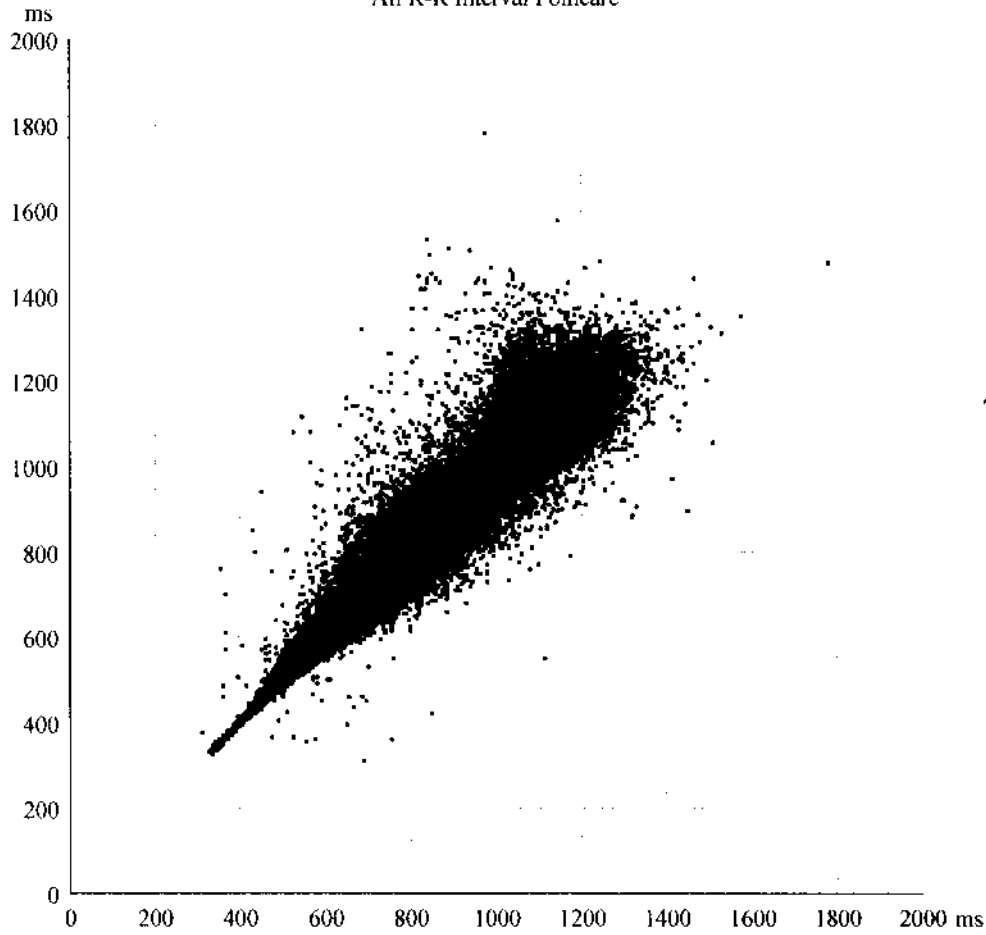


MSD = 31.4 ms

rMSSD = 49.5 ms

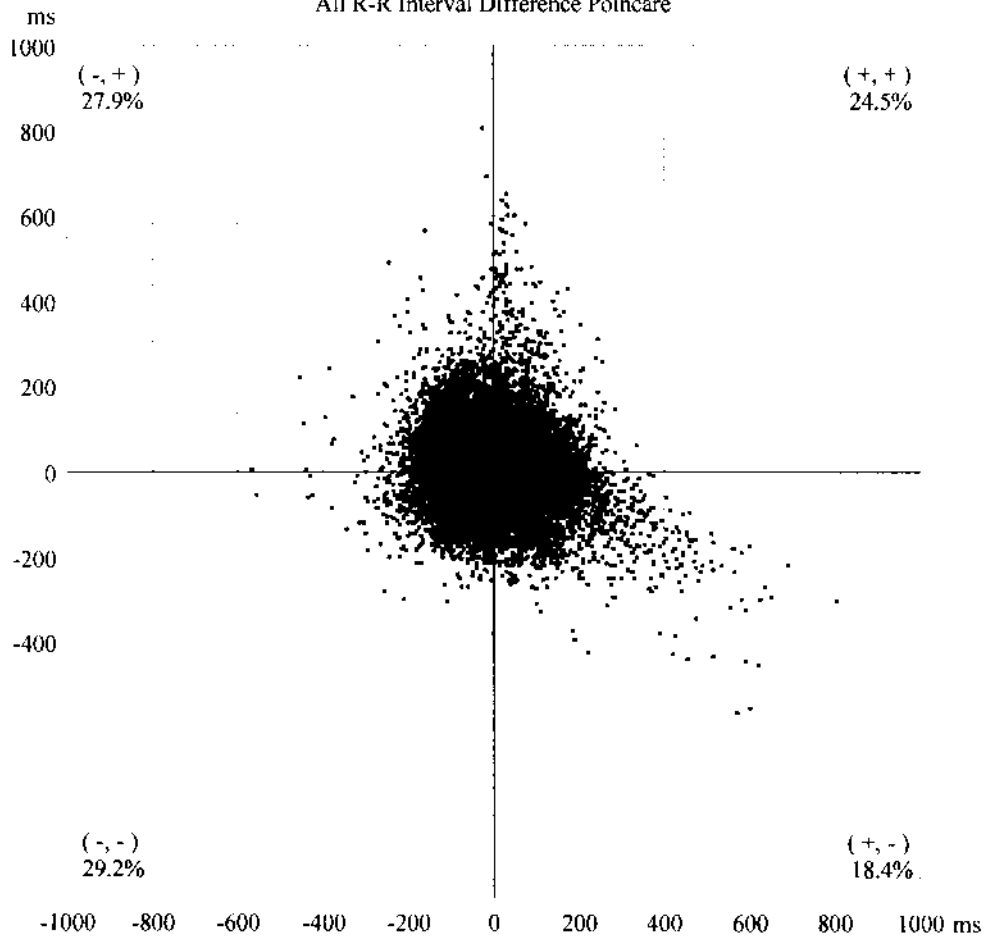
PNN50 = 18.5 %

All R-R Interval Poincare



Max R-R	1780.0 ms
Min R-R	310.0 ms
Av. R-R	757.2 ms
SDNN	193.6 ms
SDANN	180.6 ms
MeanSD	81.3 ms
CV	0.10
HRVIndex	474.4 ms
TriangleIndex	948.8 ms
rMSSD	49.5 ms
PNN50	18.5 %
V.I.	272.0 ms
V.A.I	1.07 degree

All R-R Interval Difference Poincare



(-, +)
27.9%

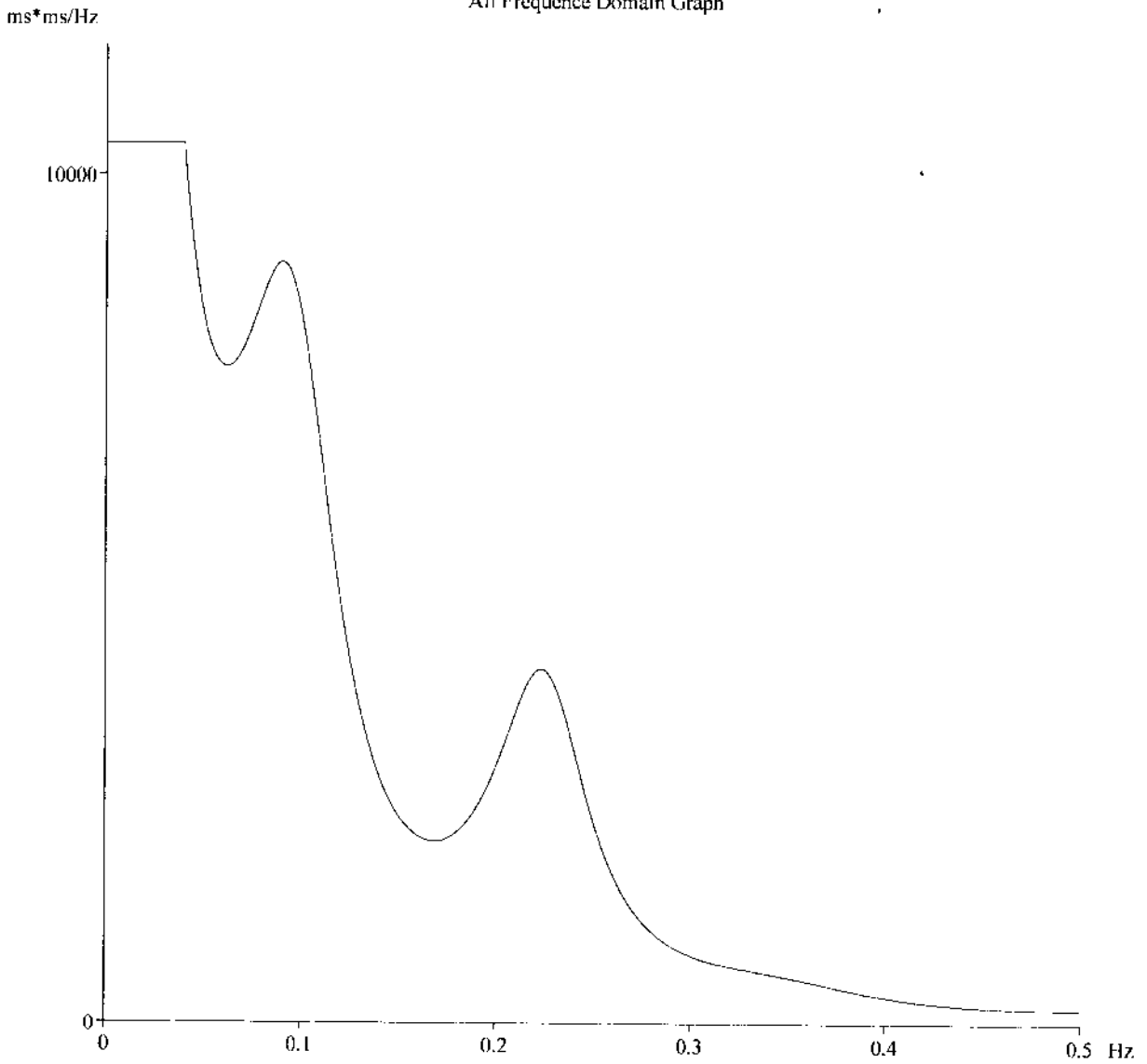
(+, +)
24.5%

Pa (-, +)	27.9 (%)
Pb (+, +)	24.5 (%)
Pc (-, -)	29.2 (%)
Pd (+, -)	18.4 (%)

(-, -)
29.2%

(+, -)
18.4%

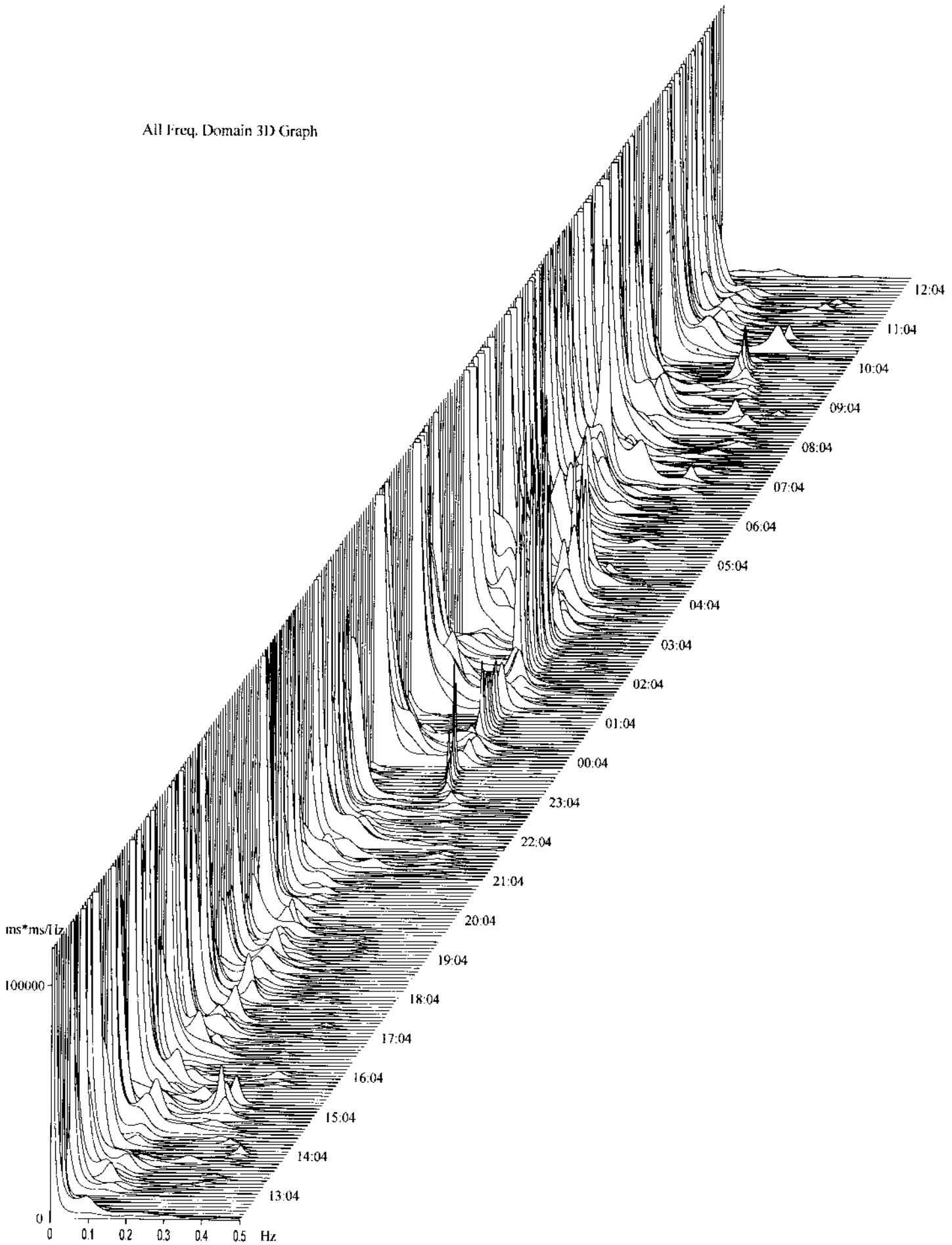
All Frequency Domain Graph



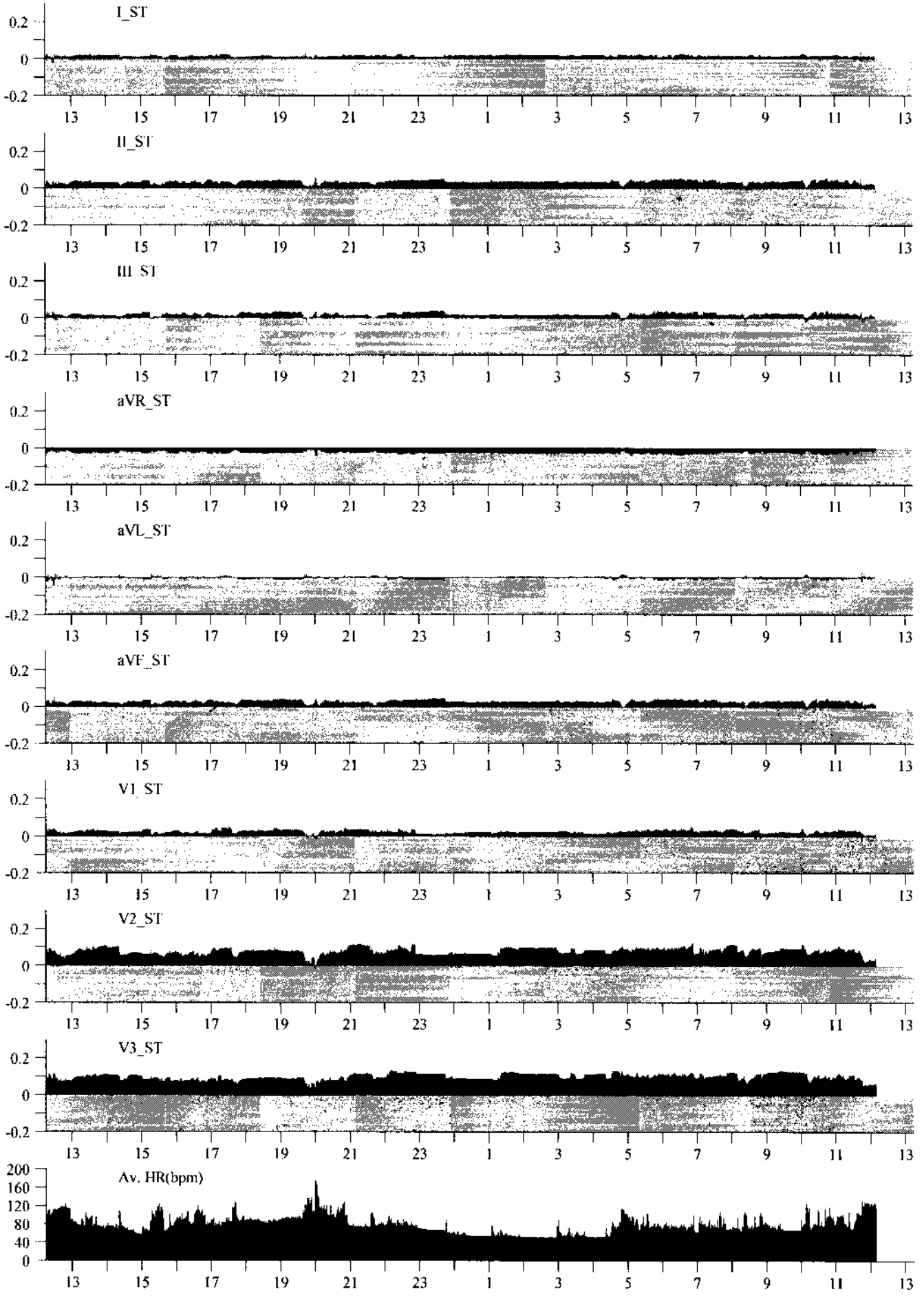
ULFnorm = 80.3 %
LFnorm = 3.4 %
LF/HF = 1.8
VLF = 3226.1 ms^2/ms
HF = 418.5 ms^2/ms

VLFnorm = 14.5 %
HFnorm = 1.9 %
ULF = 17914.2 ms^2/ms
LF = 750.1 ms^2/ms
total power = 22308.9 ms^2/ms

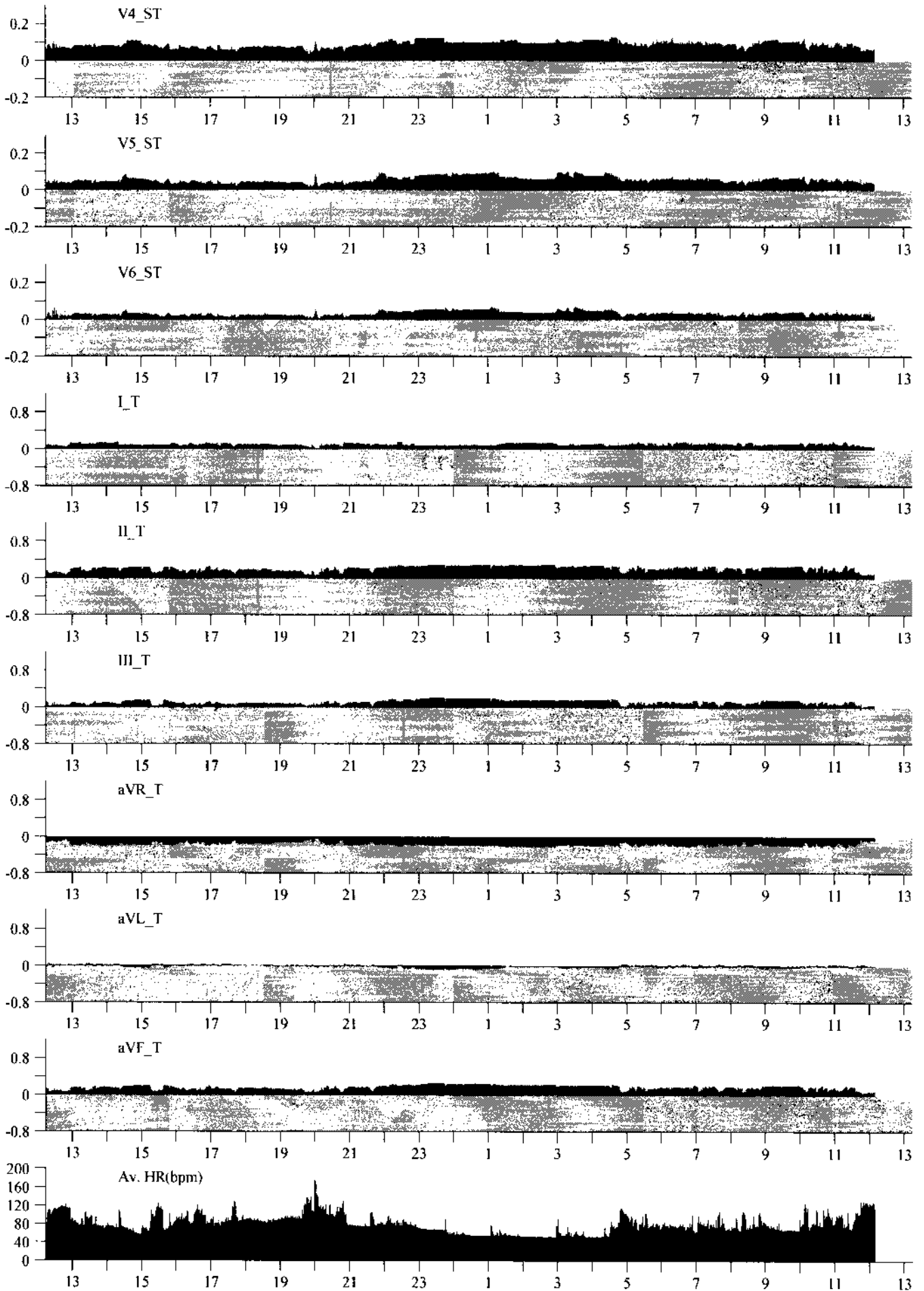
All Freq. Domain 3D Graph



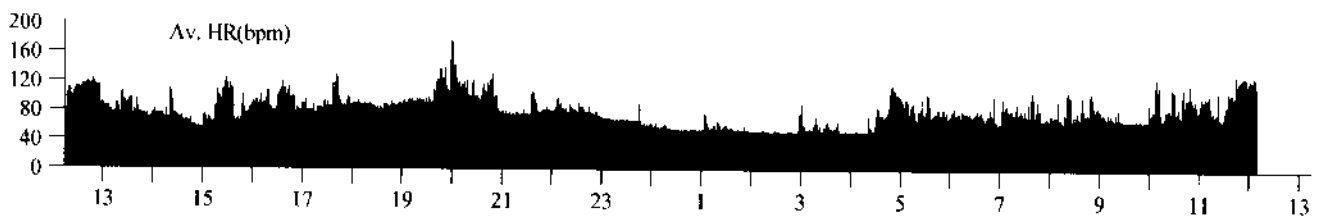
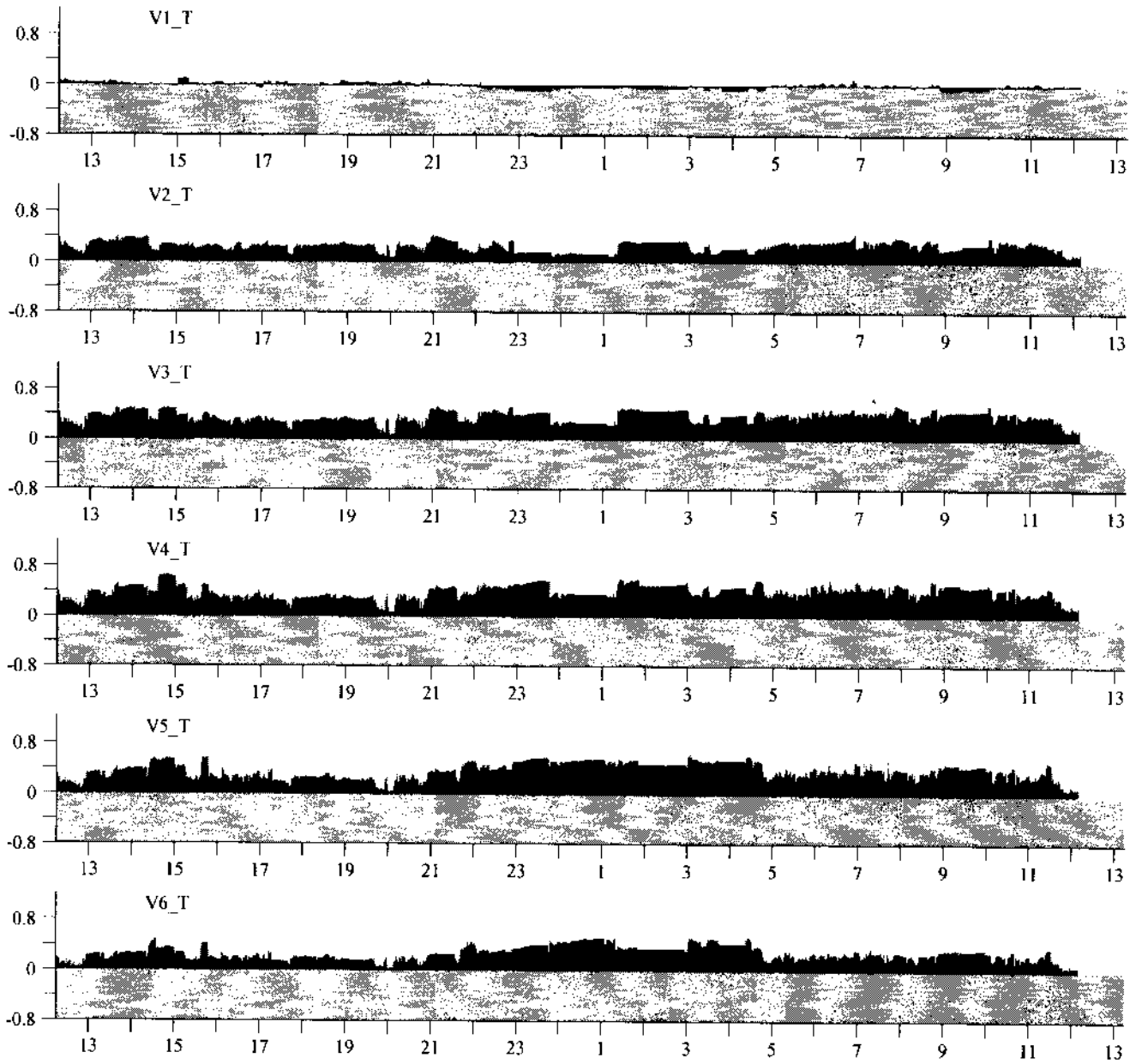
Trends



Trends



Trends

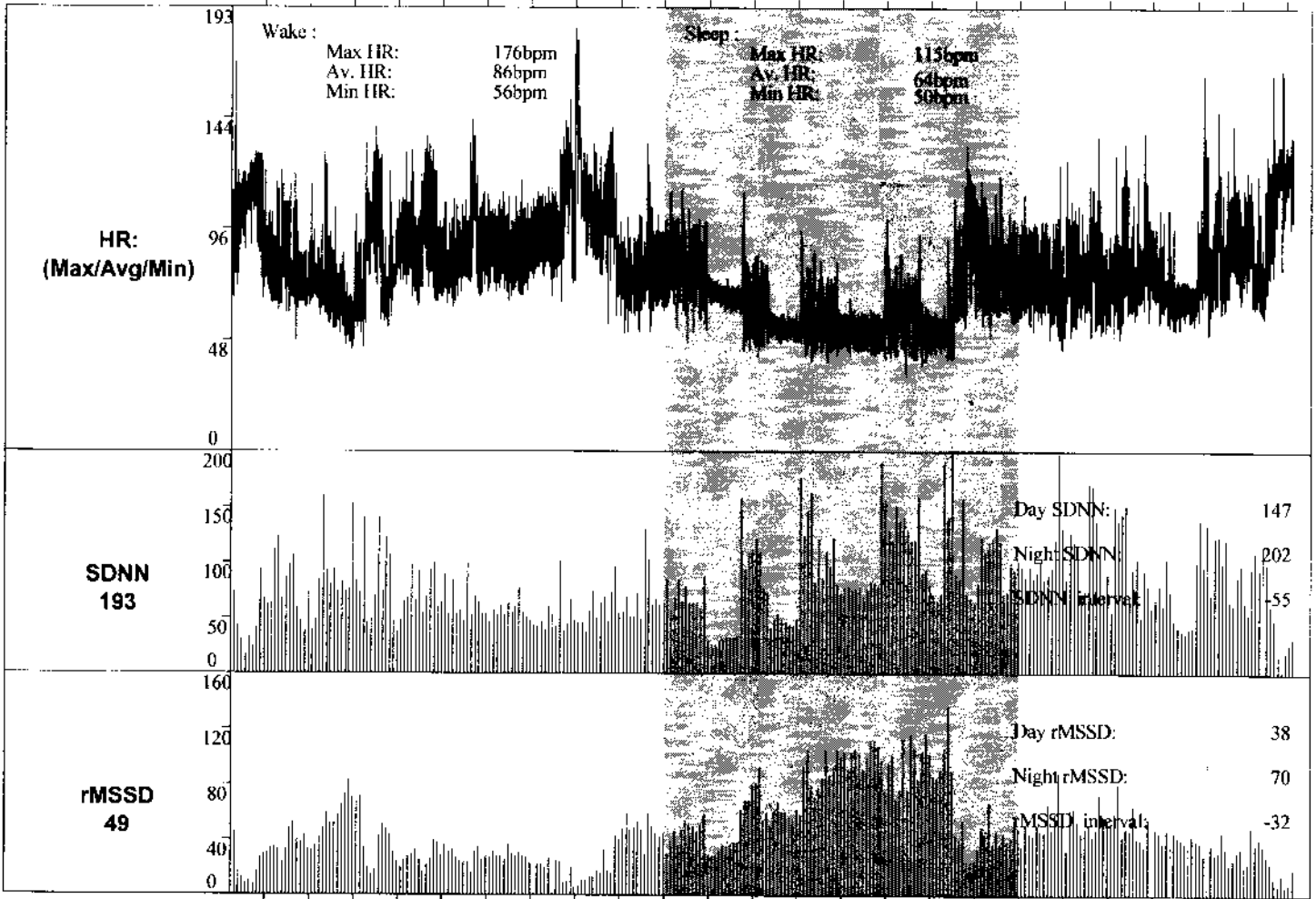


Bradycardia Table

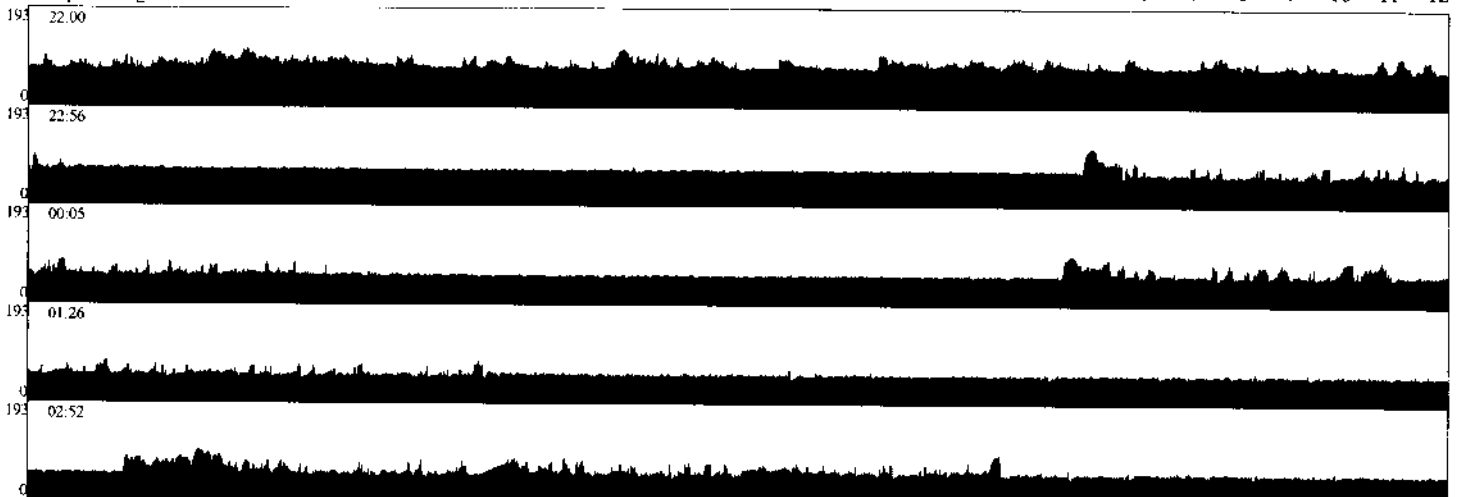
ID	Start Time	Length	Av. HR	Beats	L. Beats	Max R-R
1	02:11:21	15.665	45	12	0	1400
Unit	---	s	bpm	time	time	ms
Parameter: Bradycardia time 15 s, Bradycardia HR 50 bpm						
Current page: 1 / Total 1 pages						

Trend

13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10 11 12

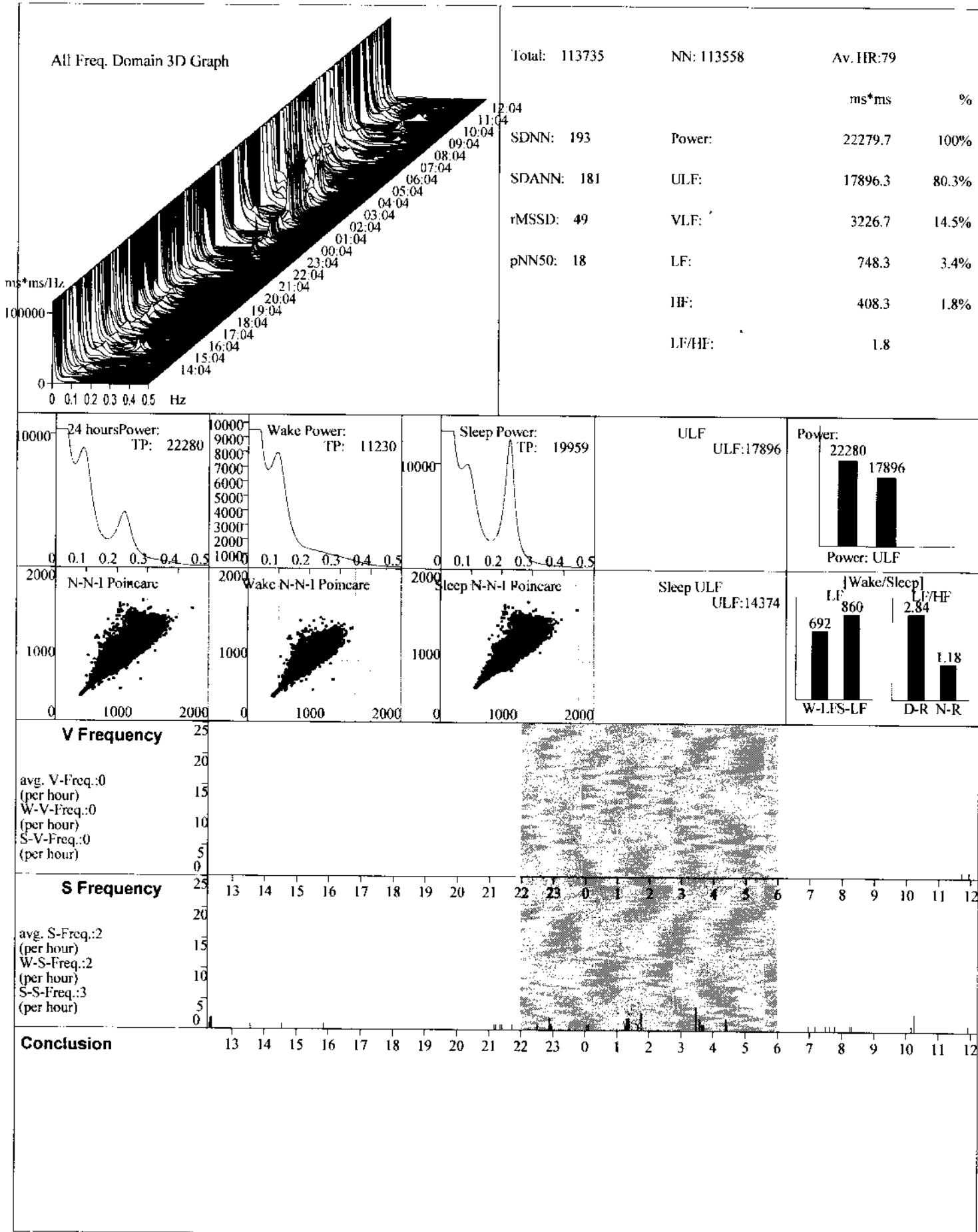


Sleep HR segment



[Wake/Sleep]	SDNN:	[Wake/Sleep]	rMSSD:	Result
Wake	SDNN: 147	Wake	rMSSD: 38	
Sleep	SDNN: 202	Sleep	rMSSD: 70	
[Wake/Sleep]	interval: -55	[Wake/Sleep]	interval: -32	

Multiparameter Balance

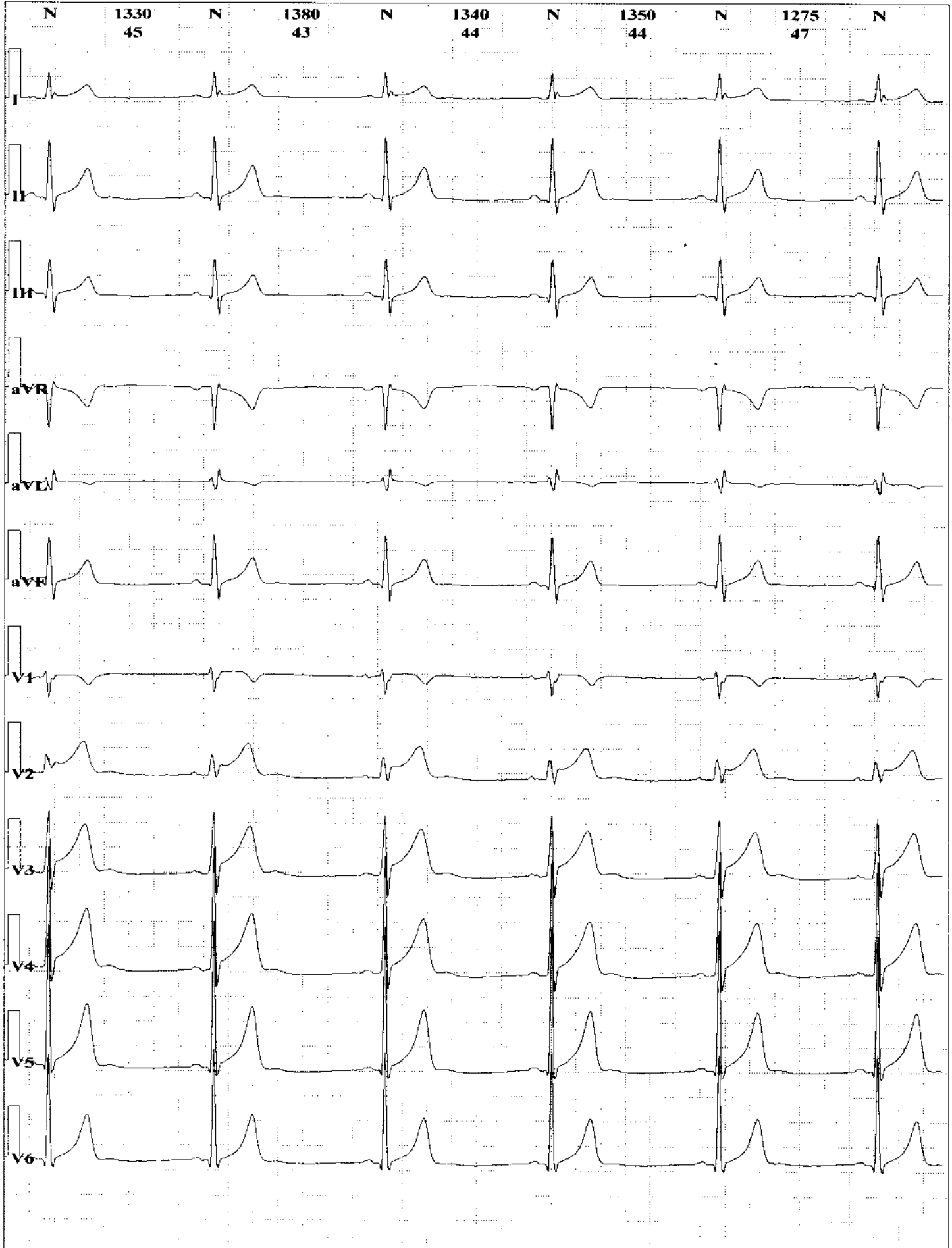


Dangers Analyse

Diathesis	Standard	Actual value	Danger
Male snorer			_____
Fat snorer			_____
Day/Night SDNN difference	>-11	-54.7	*
Day/Night rMSSD difference	>-13	-32.1	*
All-day/Night Total Power difference	>-500	2320.9	_____
All-day/Night VLF Power difference	>-400	-769.9	*
%VLF to Total Power	<70%	14.5	_____
Day/Night LF POWER difference	>-70	-168.9	*
Day/Night LF to HF rate difference	<0.5	1.7	*
V Arrhythmia	<10(per hour)	0.2	_____
Average HR	<72bpm	79.3	*
Sleep HP change > 15bpm	<X30	292.0	*
<p>Danger</p> <p>Physician Signature:</p>			



12 Lead ecg



2020-04-24 03:27:28

Clase: MinfIR

HR: 44bpm

10 mm/mV 25.0 mm/s

12 Lead ecg

N335N335N335N330N335N335N330N330N335N335N325N330N330N335N
179 179 179 181 179 179 181 181 179 179 184 181 181 181 179



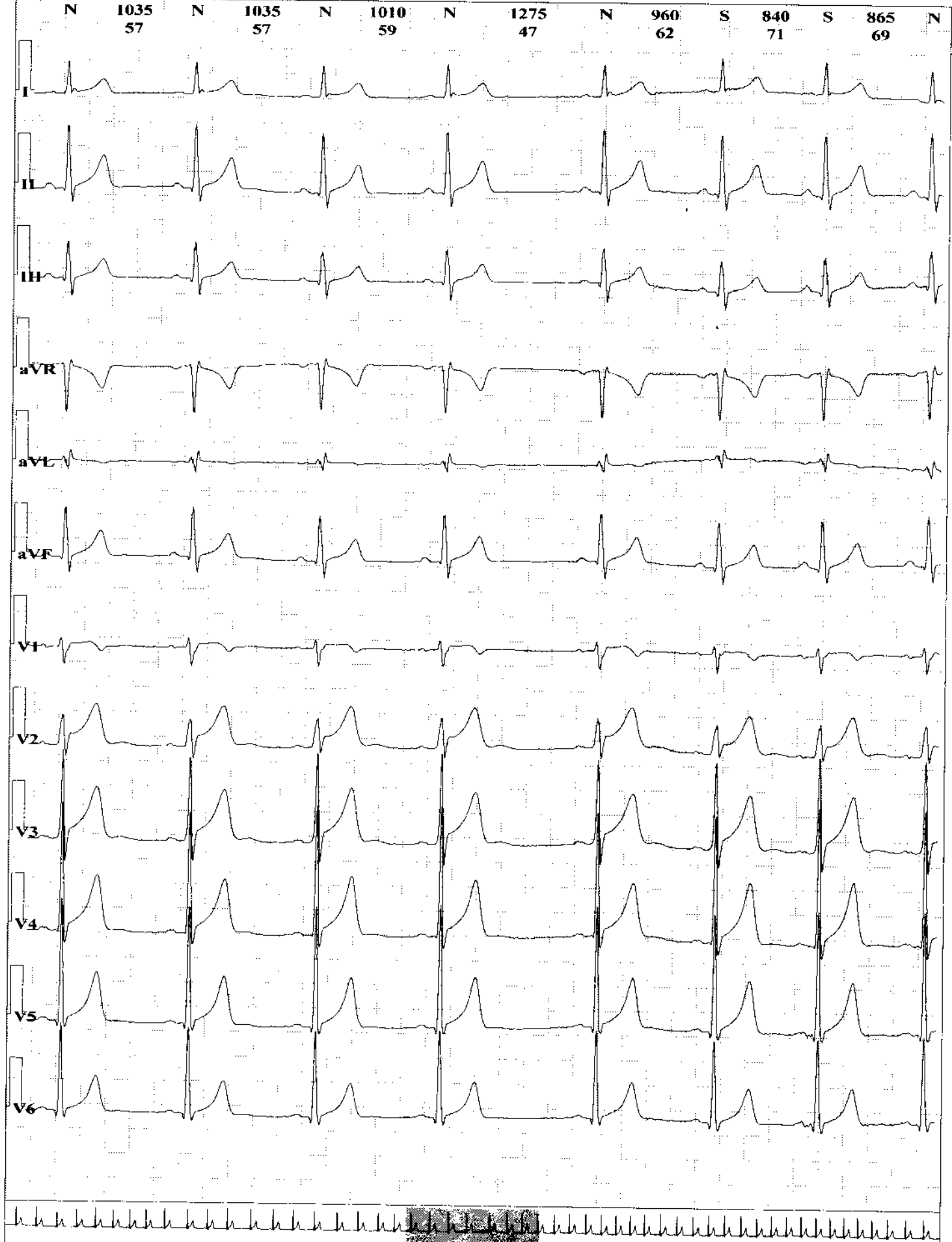
2020-04-23 20:00:46

Class: MaxHR

HR: 181bpm

10 mm/mV 25.0 mm/s

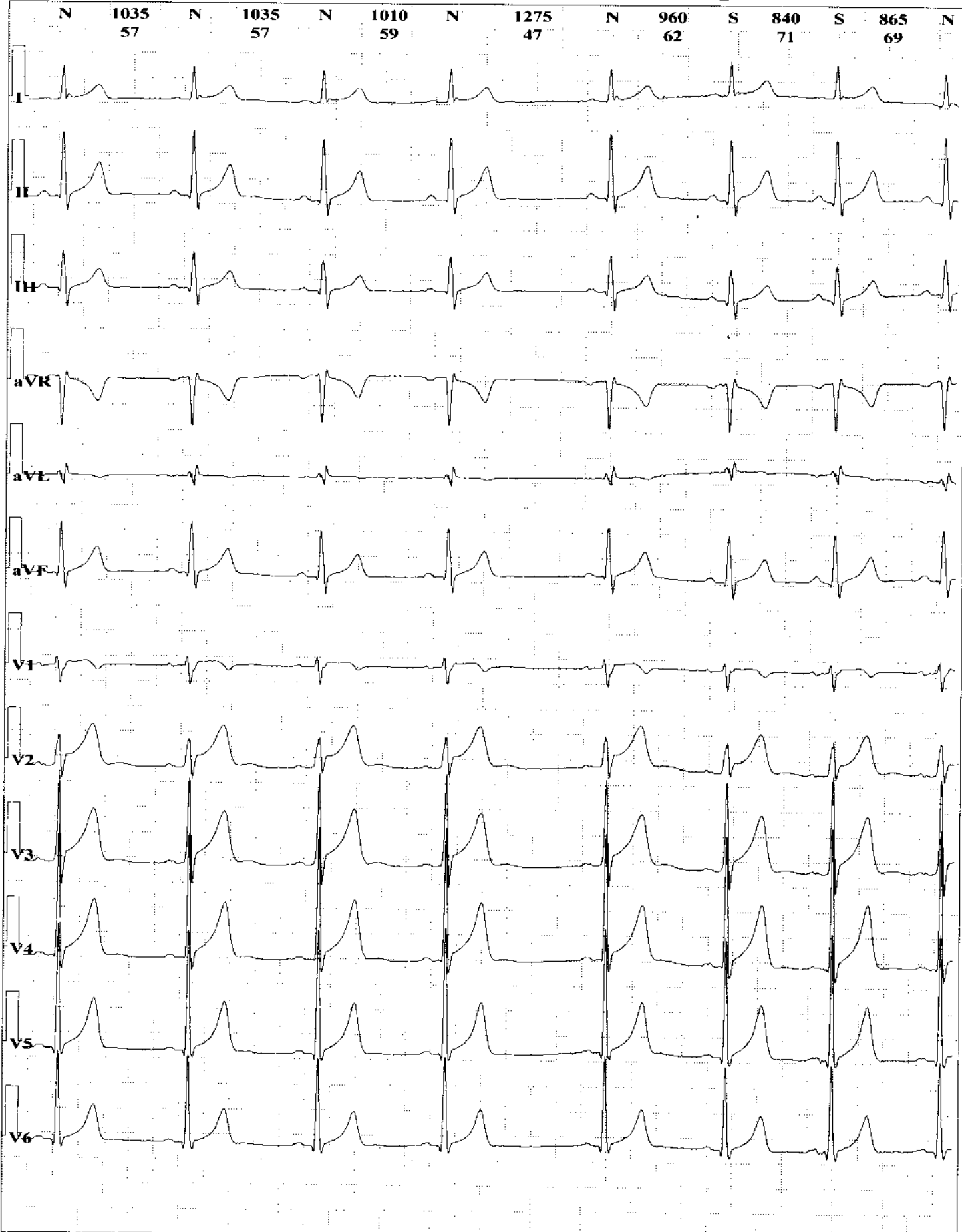
12 Lead ecg



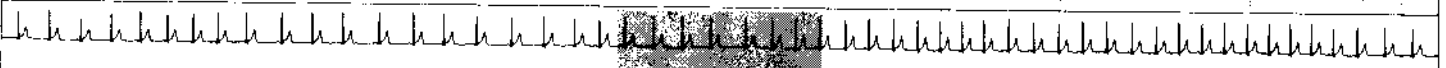
N 1035 57 N 1035 57 N 1010 59 N 1275 47 N 960 62 S 840 71 S 865 69 N

2020-04-24 01:21:26 Class: HR: 60bpm 10 mm/mV 25.0 mm/s

12 Lead eeg



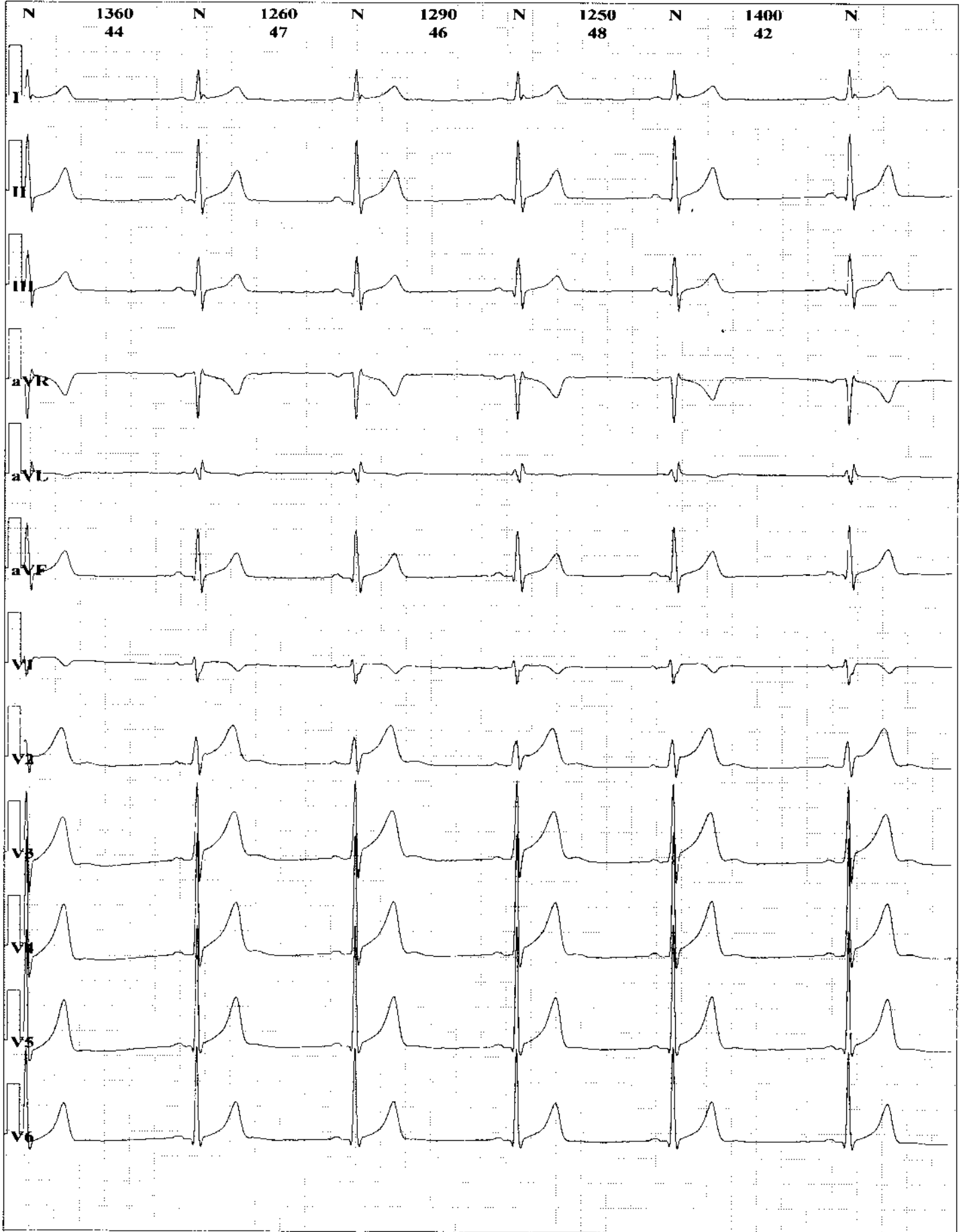
N 1035 57 N 1035 57 N 1010 59 N 1275 47 N 960 62 S 840 71 S 865 69 N



2020-04-24 01:21:26 Clase: HR: 60bpm 10 mm/mV 25.0 mm/s



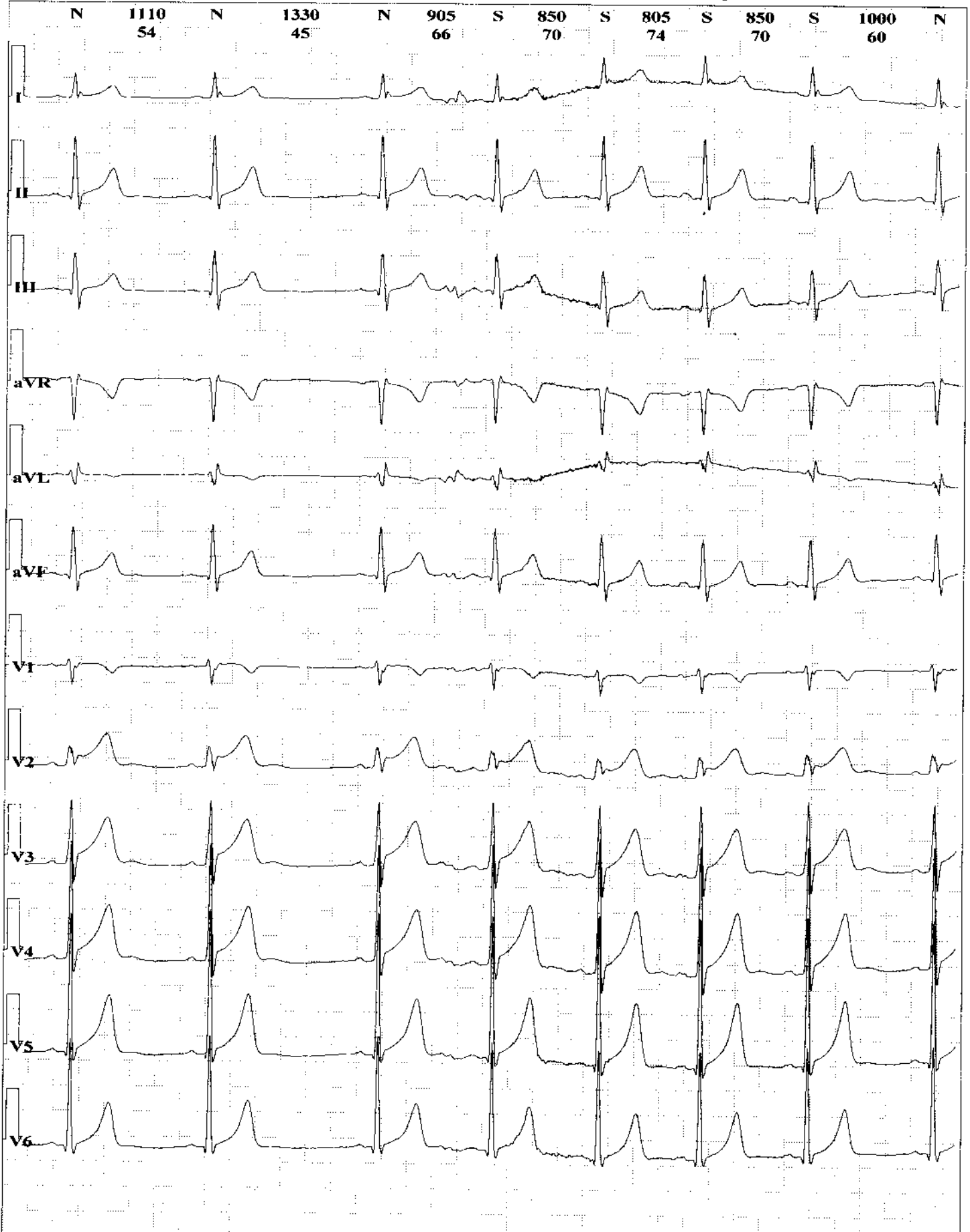
12 Lead ecg



2020-04-24 02:11:21	Clase:	HR: 48bpm	10 mm/mV 25.0 mm/s
---------------------	--------	-----------	--------------------



12 Lead ecg



N 1110
54

N 1330
45

N 905
66

S 850
70

S 805
74

S 850
70

S 1000
60

N