

Date of Birth 12/12/67 (51 yrs) **Patient ID** **Gender** Female **Primary Indication (R94.31)** Abnormal electrocardiogram

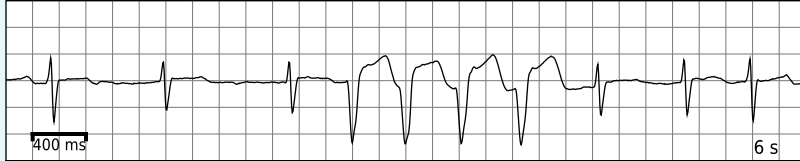
Prescribing Clinician Dr. E. Physician **Managing Location** London

Enrollment Period 13 days 19 hours
22/03/19, 12:24 to 05/04/19, 08:40

Analysis Time 13 days 19 hours
(after artifact removed)

Ventricular Tachycardia (4 beats or more)

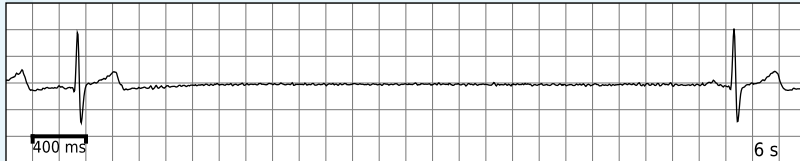
▼ Fastest VT (HR Range 135-150 bpm, Avg 142 bpm)



Episodes **5**
HR Range **116-150 bpm**
Avg **132 bpm**

Pauses (3 secs or longer)

▼ Longest Pause (4.9 s, 12 bpm)



Episodes **3**
Range **3.9-4.9 s**

Atrial Fibrillation

▼ Fastest AF (HR Range 61-154 bpm, Avg 100 bpm)



AF Burden **37%**
Longest Duration **1 d 19 h**
HR Range **50-154 bpm**
Avg **97 bpm**

AV Block (2nd° Mobitz II, 3rd°)

None found

Supraventricular Tachycardia (4 beats or more)

None found

Heart Rate

Overall	Max	154 bpm	16:49, 25/03
	Min	50 bpm	06:59, 23/03
	Avg	78 bpm	

Sinus	Max	96 bpm	18:14, 24/03
	Min	50 bpm	06:59, 23/03
	Avg	66 bpm	

Patient Events

Total Triggers: 2 **Total Diaries: 1**

Findings within ± 45 sec of triggered events or diary entries:

	Range	Trigger	Diary
AF	59-126 bpm	✓	✓
Pause(s)	3.9 s	✓	
Sinus	56-73 bpm	✓	
SVE(s)		✓	
VE(s)			✓

Ectopics

Rare <1% Occasional 1% to ≤5% Frequent >5%

Supraventricular Ectopy (SVE/PACs)

	Rare	<1.0%	6723
Isolated	Rare	<1.0%	6723
Couplet	Rare	<1.0%	141
Triplet	Rare	<1.0%	9

Ventricular Ectopy (VE/PVCs)

	Rare	<1.0%	1716
Isolated	Rare	<1.0%	1716
Couplet	Rare	<1.0%	192
Triplet	Rare	<1.0%	26

Longest Ventricular Bigeminy Episode 0 s
Longest Ventricular Trigeminy Episode 0 s

Preliminary Findings

Patient had a min HR of 50 bpm, max HR of 154 bpm, and avg HR of 78 bpm. Predominant underlying rhythm was Sinus Rhythm. 5 Ventricular Tachycardia runs occurred, the run with the fastest interval lasting 4 beats with a max rate of 150 bpm, the longest lasting 4 beats with an avg rate of 127 bpm. Episodes of Ventricular Tachycardia may be possible Atrial Fibrillation with aberrancy. Atrial Fibrillation occurred (37% burden), ranging from 50-154 bpm (avg of 97 bpm), the longest lasting 1 day 19 hours with an avg rate of 97 bpm. 3 Pauses occurred, the longest lasting 4.9 secs (12 bpm). Atrial Fibrillation and Pause were detected within +/- 45 seconds of symptomatic patient event(s). Isolated SVEs were rare (<1.0%, 6723), SVE Couplets were rare (<1.0%, 141), and SVE Triplets were rare (<1.0%, 9). Isolated VEs were rare (<1.0%, 1716), VE Couplets were rare (<1.0%, 192), and VE Triplets were rare (<1.0%, 26).

Final Interpretation

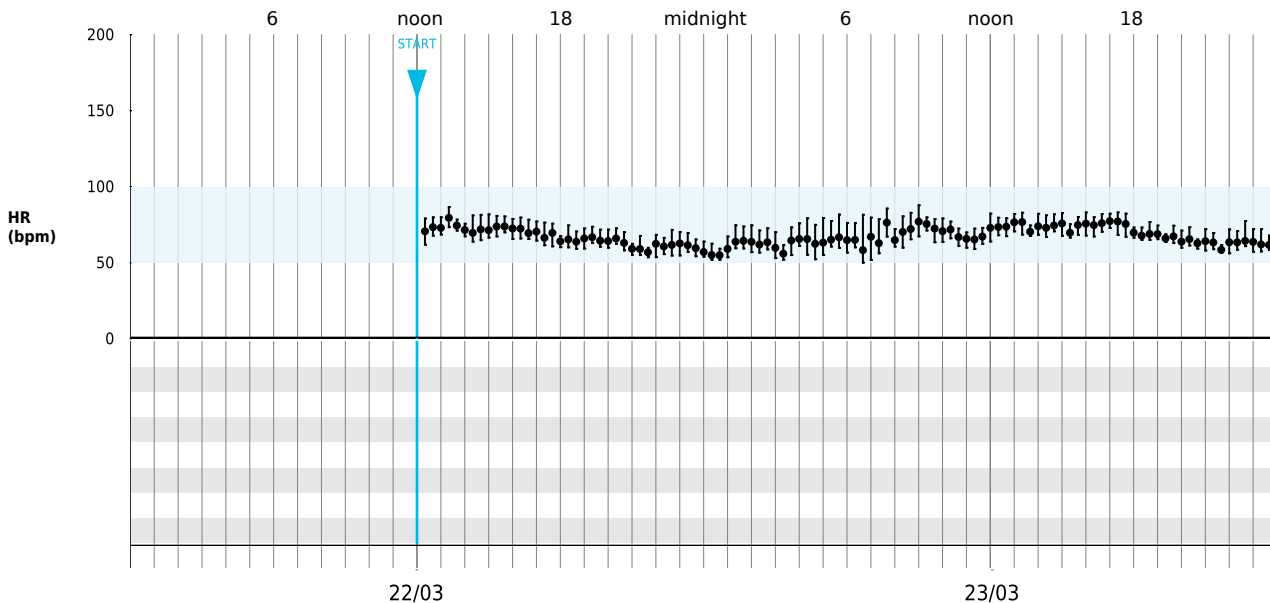
1. Agree with above interpretation
2. Underlying Sinus rhythm with normal rates average =78/min
3. 5 runs of VT some of which could be AF with aberrancy
4. Atrial fibrillation with 37% burden and longest run of 42 hours
5. Pauses of up to 4.9 seconds likely post conversion related
6. Triggered events consistent with AF, Pauses

Electronically signed by Dr. Example Physician 12/04/19 06:18 PM (GMT)
SIGNATURE

Events

Sinus rates > 100 bpm 0%
 Sinus rates < 50 bpm 0%

Days 1 & 2

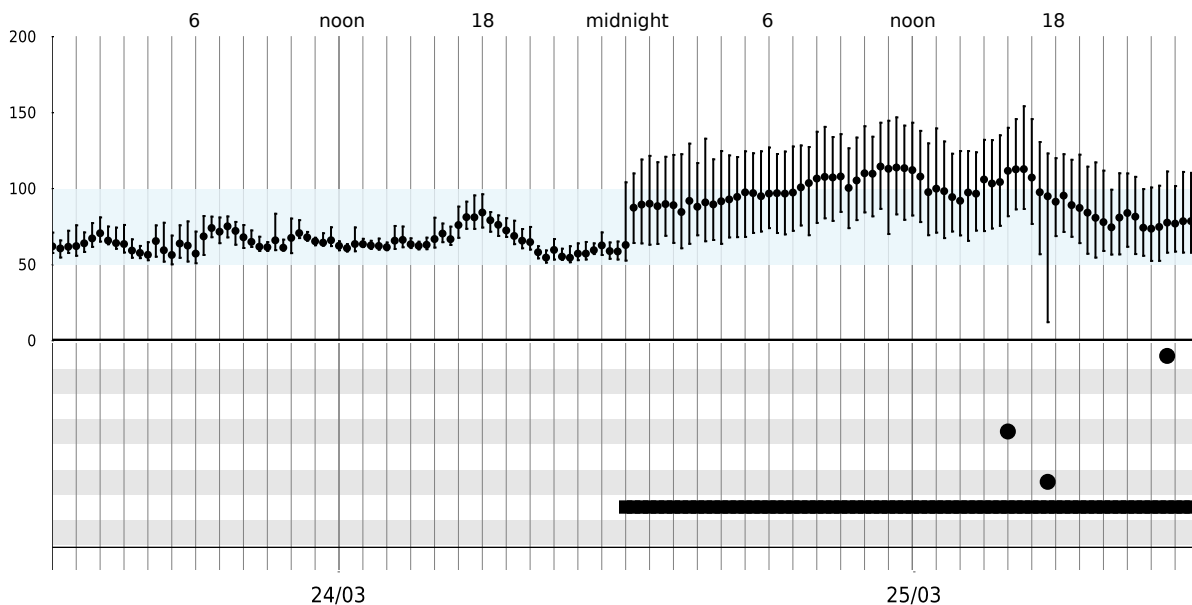


HR per 20 min period:

Max/Min ● --- Avg

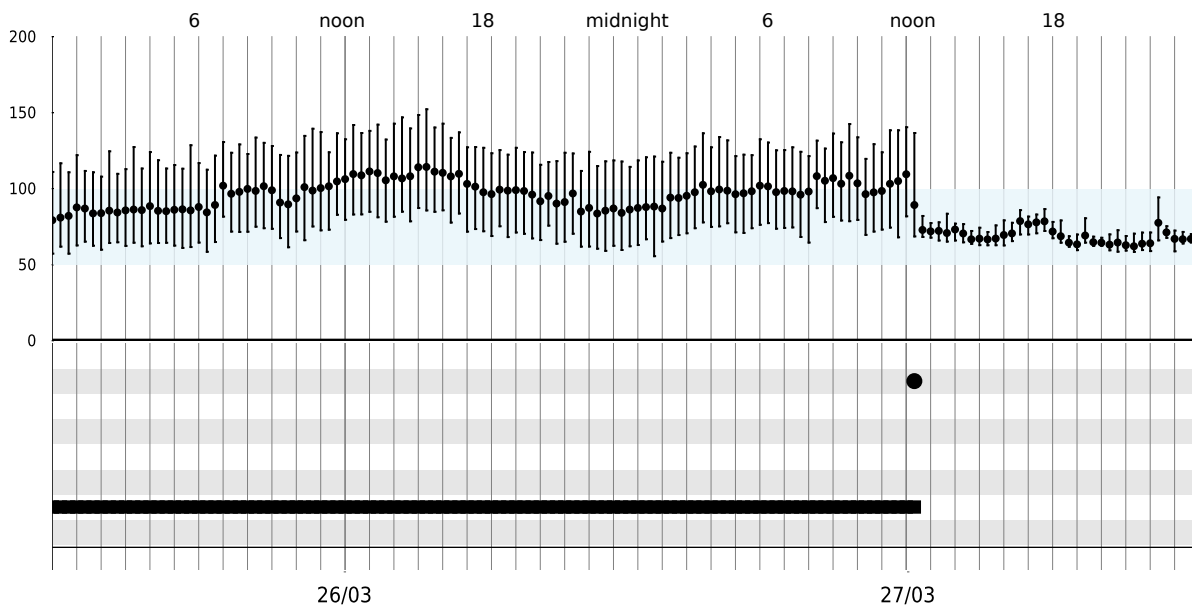
- 0 Patient diary events
- 0 Patient triggered
- 0 PVT, VF, TdP
- 0 VT
- 0 SVT
- 0 Pauses
- 0 % AF burden
- 0 AV Block
- ▼ Unanalyzable ECG

Days 3 & 4

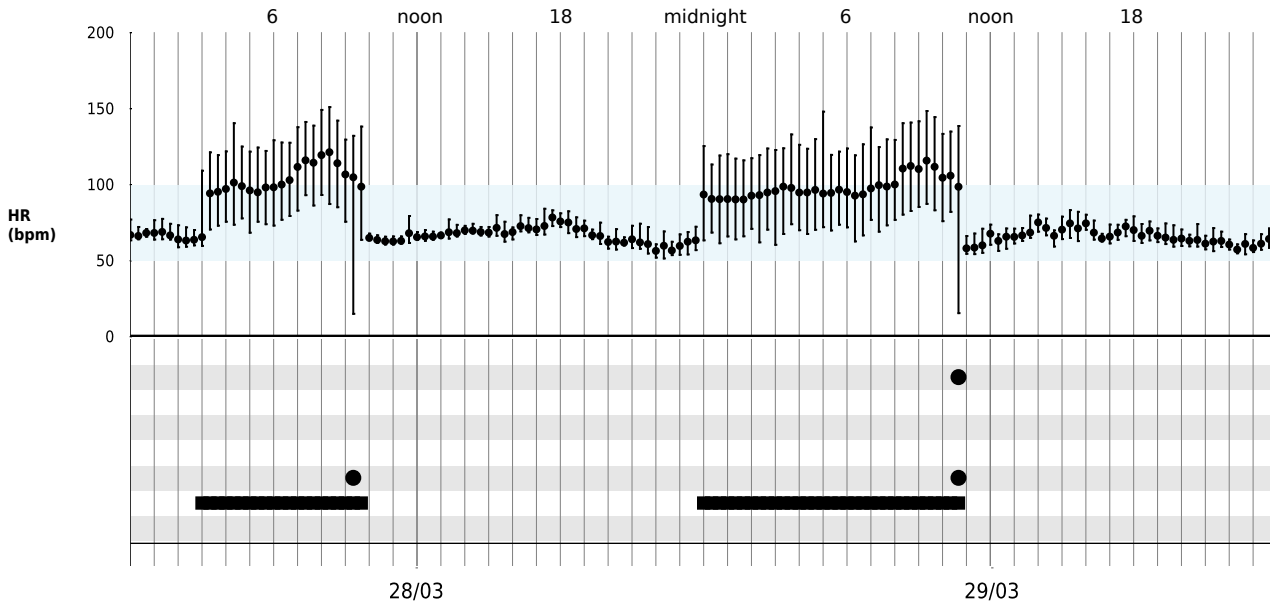


- 1 Patient diary events
- 0 Patient triggered
- 0 PVT, VF, TdP
- 1 VT
- 0 SVT
- 1 Pauses
- 49 % AF burden
- 0 AV Block
- ▼ Unanalyzable ECG

Days 5 & 6



- 0 Patient diary events
- 1 Patient triggered
- 0 PVT, VF, TdP
- 0 VT
- 0 SVT
- 0 Pauses
- 76 % AF burden
- 0 AV Block
- ▼ Unanalyzable ECG

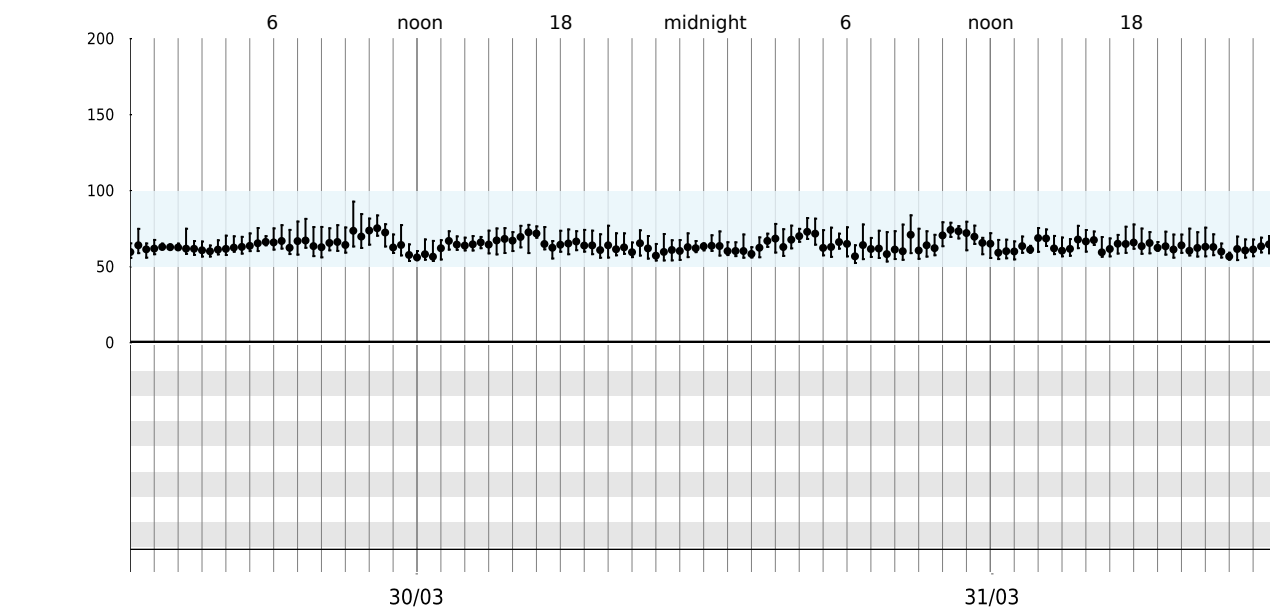


Days 7 & 8

HR per 20 min period:

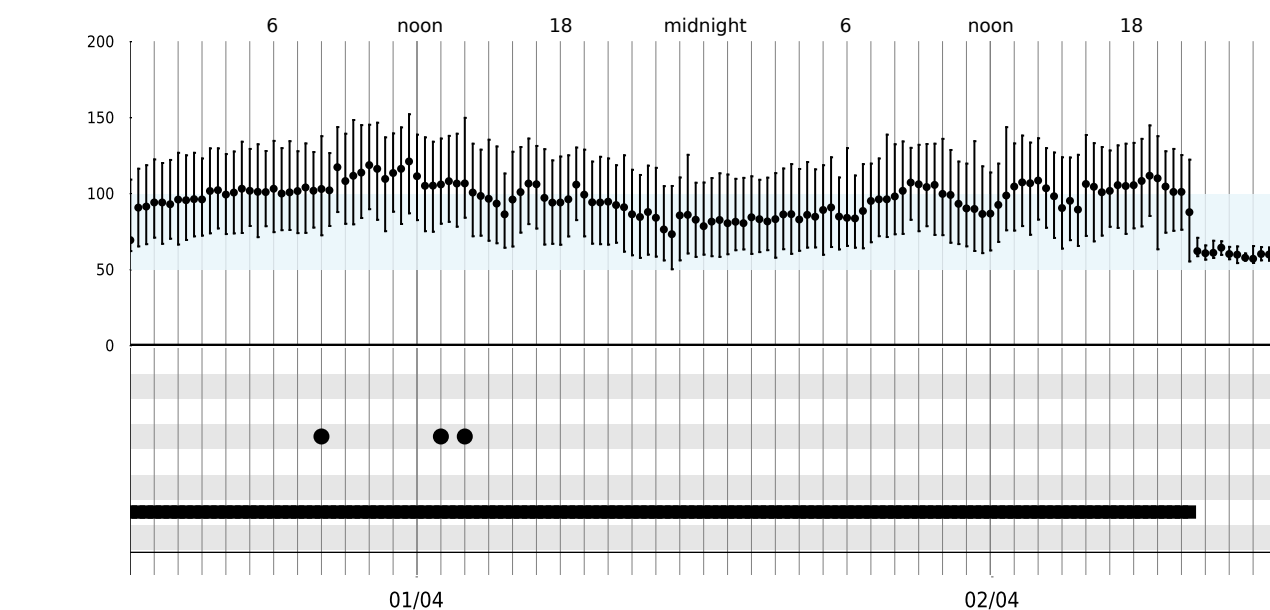
Max/Min ● Avg

- 0 Patient diary events
- 1 Patient triggered
- 0 PVT, VF, TdP
- 0 VT
- 0 SVT
- 2 Pauses
- 36 % AF burden
- 0 AV Block
- ▼ Unanalyzable ECG



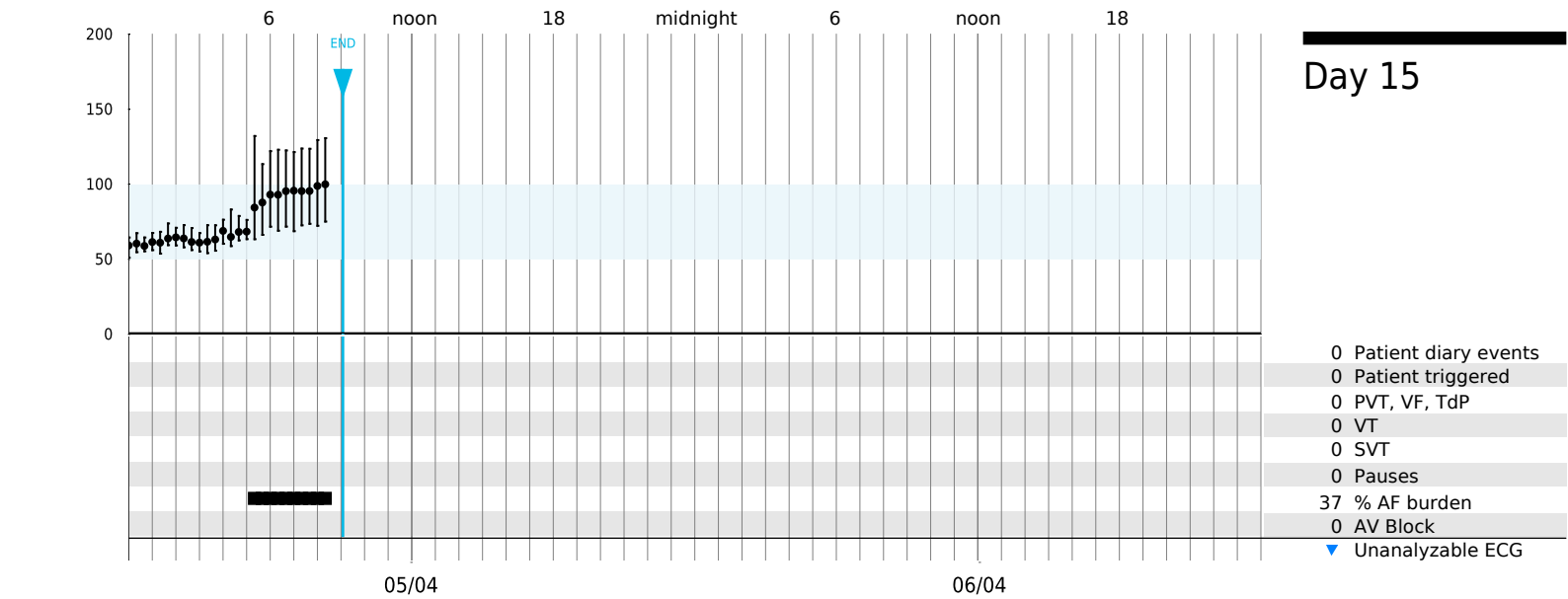
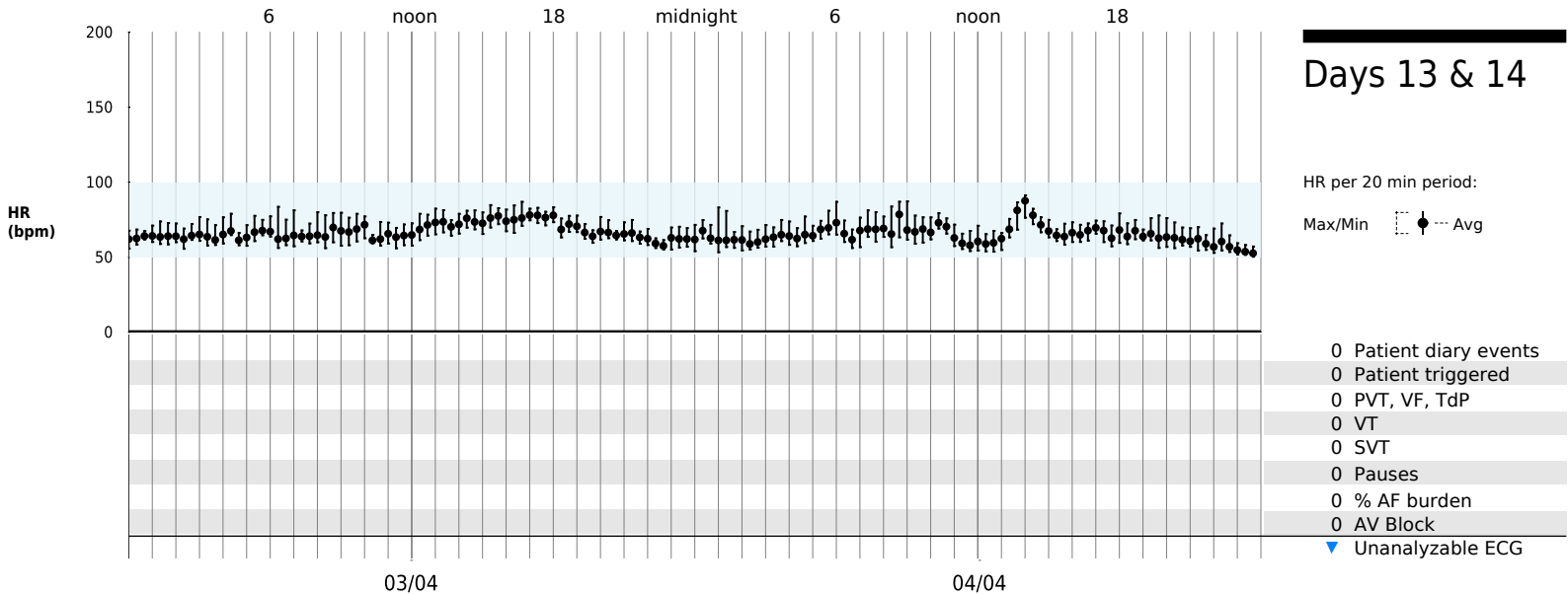
Days 9 & 10

- 0 Patient diary events
- 0 Patient triggered
- 0 PVT, VF, TdP
- 0 VT
- 0 SVT
- 0 Pauses
- 0 % AF burden
- 0 AV Block
- ▼ Unanalyzable ECG



Days 11 & 12

- 0 Patient diary events
- 0 Patient triggered
- 0 PVT, VF, TdP
- 4 VT
- 0 SVT
- 0 Pauses
- 92 % AF burden
- 0 AV Block
- ▼ Unanalyzable ECG



Patient Events

Patient Triggered Events, Diary Entries

Note: iRhythm cannot verify the accuracy of the patient-reported information provided below.

 = Patient Triggered Marker

🔍 = Vertical Zoom

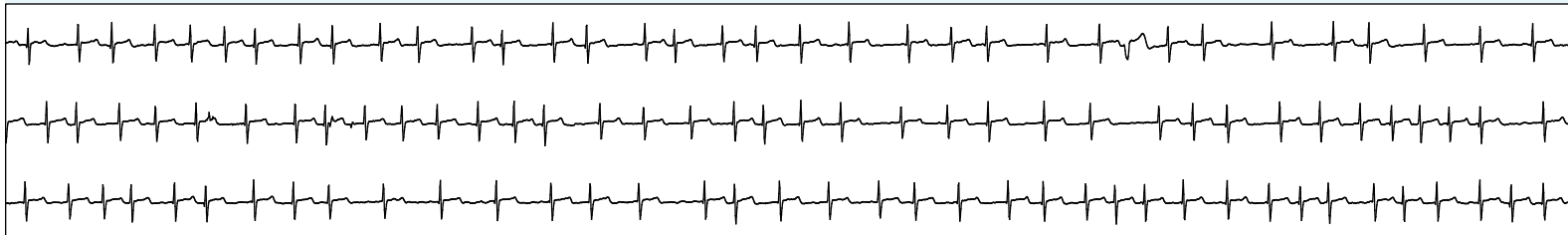
* = No heart rate will be displayed if insufficient beats of the rhythm are included in the strip.

Date	Time	Symptoms	Duration	Activity
25/03/19	22:44	dizziness, lightheaded, skipped/irregular beat(s)	between 10 mins and 1 hr	Walking and then sitting down

DIARY

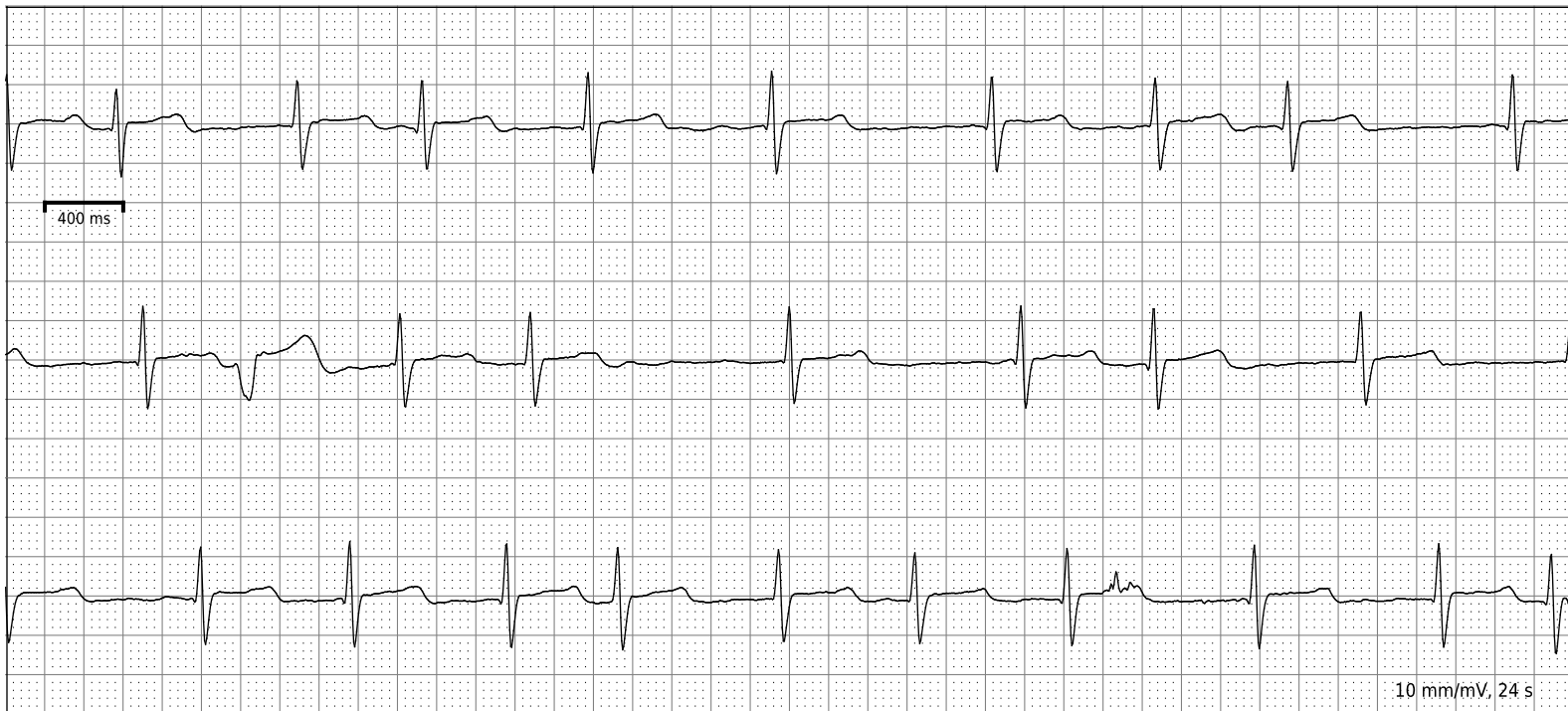
Findings: AF (59-91 bpm), VE(s)

🔍 1.2x, 90 s



1 Atrial Fibrillation (59-79 bpm), VE(s)

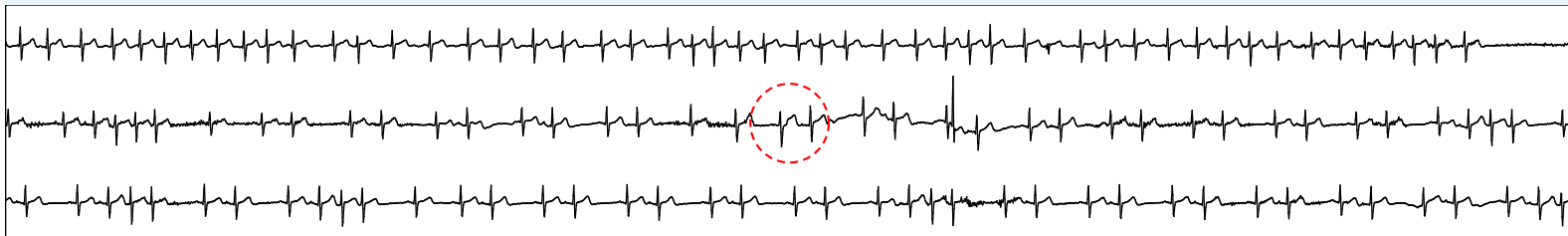
25/03/19 22:43:27 Associated with patient diary event (accuracy of times reported by patient cannot be guaranteed)



Date	Time	Findings
27/03/19	12:29:49	AF (91-126 bpm), Sinus (70 bpm), Artifact, SVE(s), SVE Triplet(s)

TRIGGERED

🔍 1.0x, 90 s



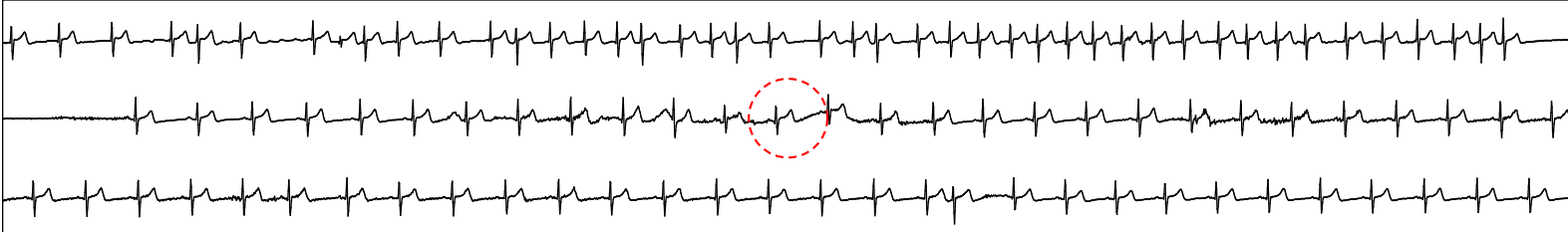
Date Time

29/03/19 10:57:18

TRIGGERED

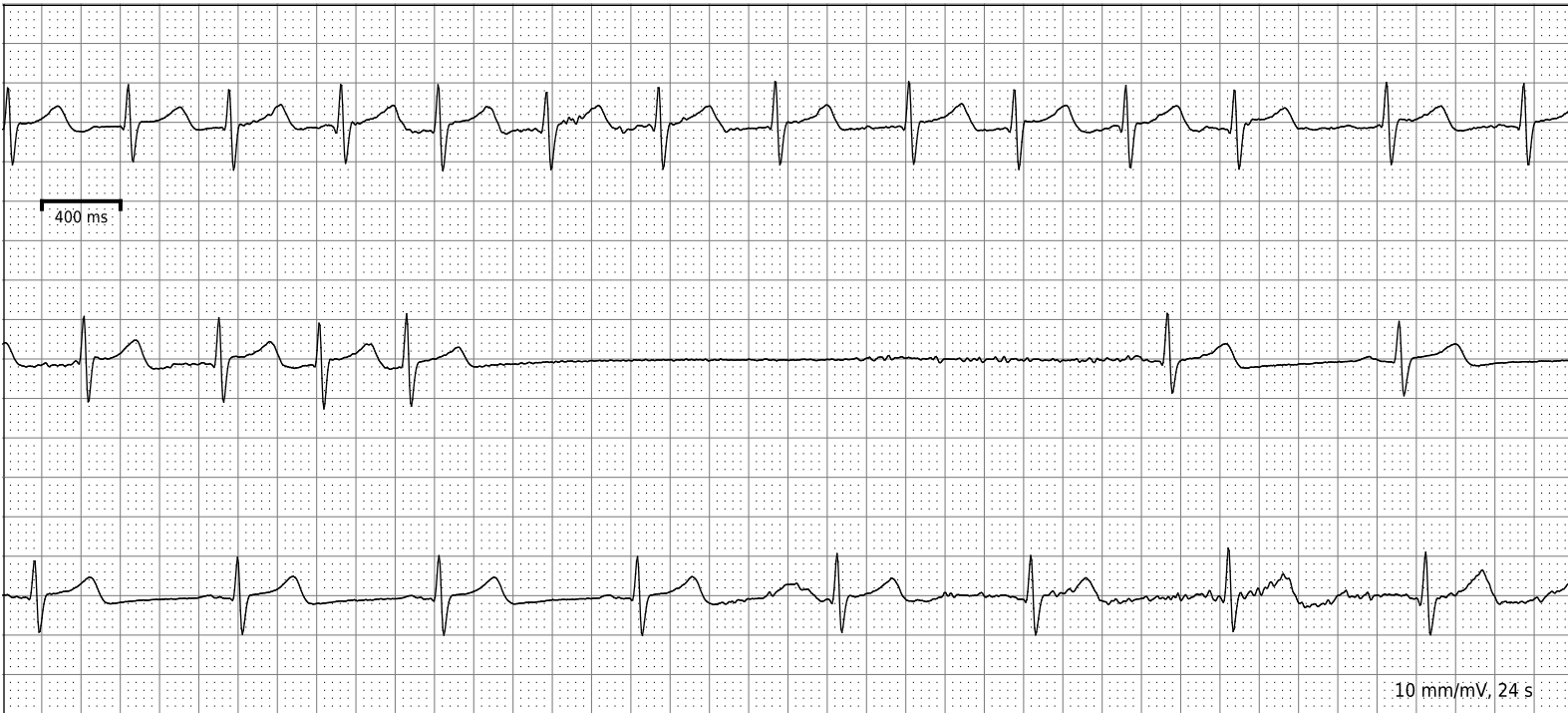
Findings: AF (65-108 bpm), Pause (3.9 secs), Sinus (60 bpm), SVE(s)

Q 1.4x, 90 s



2 Termination of Atrial Fibrillation (93-108 bpm), Pause (3.9 seconds)

29/03/19 10:56:51 Associated with patient triggered event



Episode Heart Rates

- day (6:00 - 22:00)
- night (22:00 - 6:00)
- ▼ unanalyzable ECG

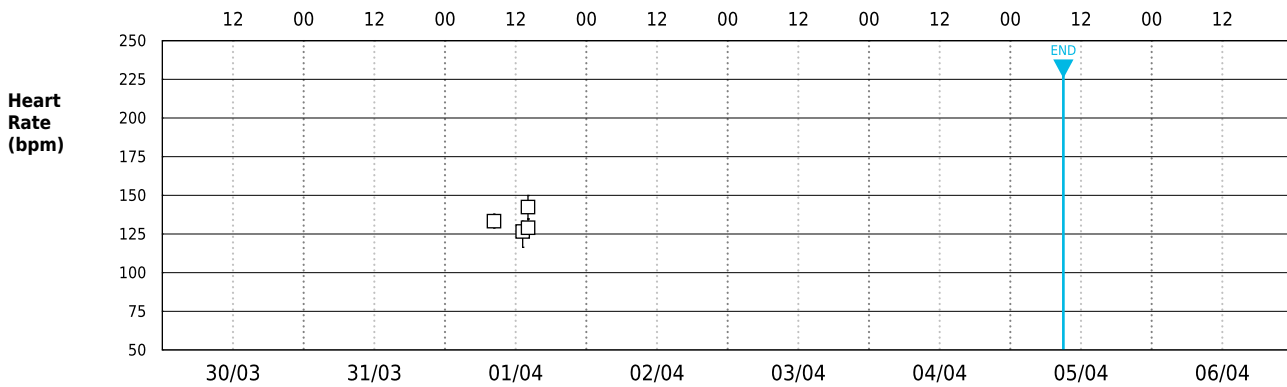
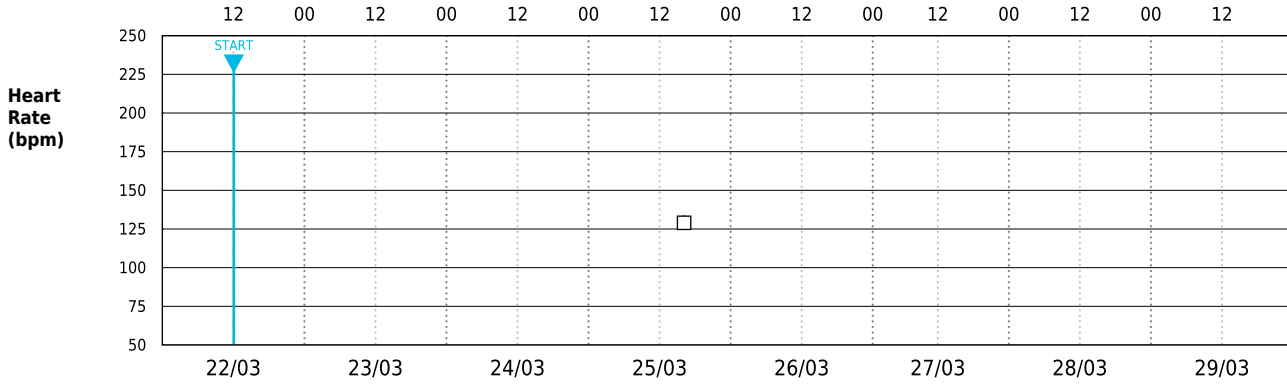
VT
Ventricular Tachycardia
 (4 beats or more)

Number of episodes
5

Average heart rate
132 bpm

Heart rate range
116-150 bpm

Note: Heart rates are calculated using single, beat-to-beat intervals.



1	VT with Fastest Heart Rate	# Beats:	Duration:	Average:	Range:	Pt Triggered?	
	01/04/19 14:05:29	4	1.4 s	142 bpm	135-150 bpm	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO

2	VT with Fastest Avg. Heart Rate	# Beats:	Duration:	Average:	Range:	Pt Triggered?	
	Same as ECG strip #1 shown above					<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO

3

Longest VT Episode

01/04/19 13:11:19

Beats:

4

Duration:

1.5 s

Average:

127 bpm

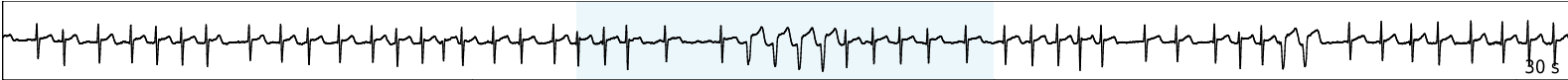
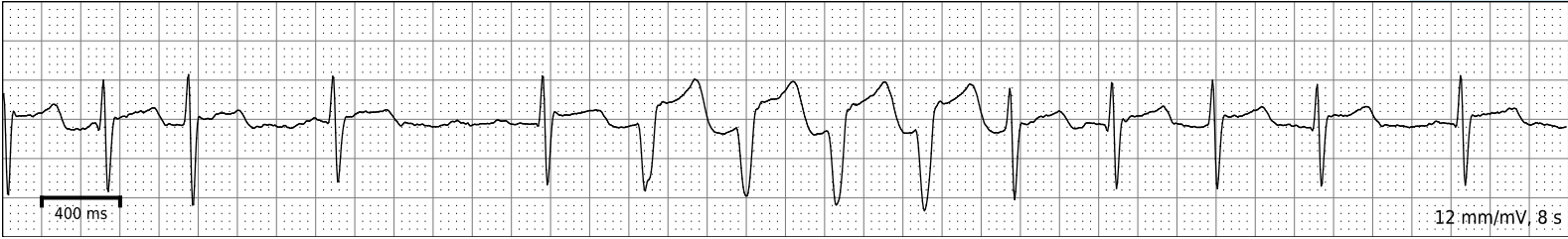
Range:

116-133 bpm

Pt Triggered?

YES NO

YES NO



Number of Pauses per hour

day (6:00 - 22:00)
 night (22:00 - 6:00)
 unanalyzable ECG

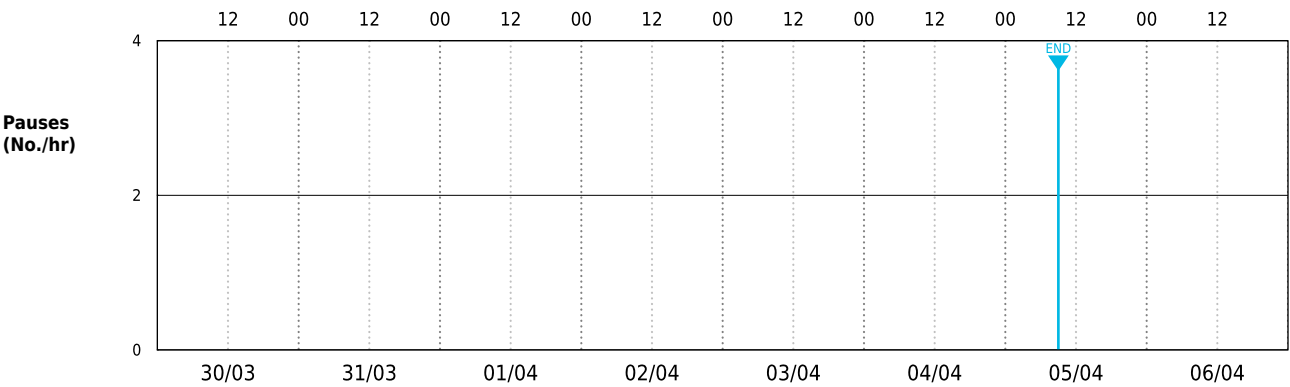
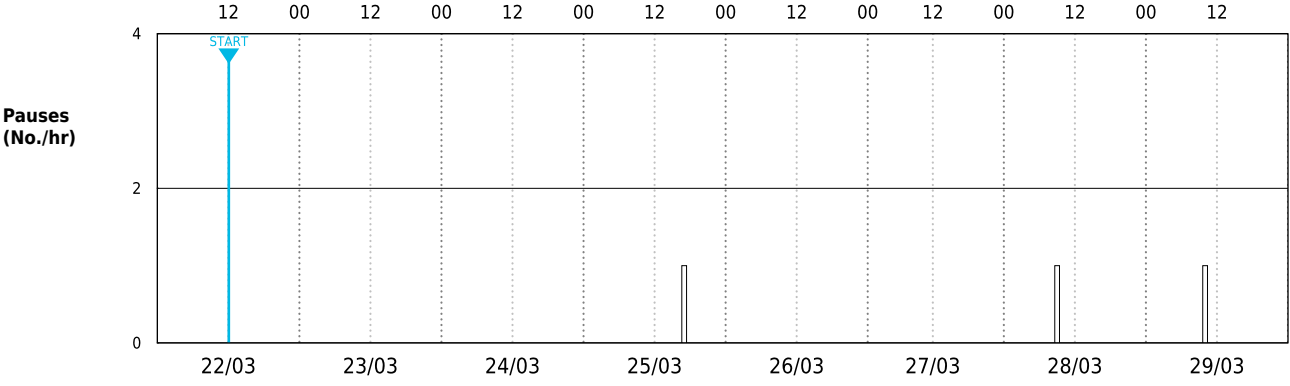
Pauses
(3 secs or longer)

Number of episodes
3

Maximum Pauses per hour
1

Maximum duration
4.9 secs (12 bpm)

Range
3.9-4.9 secs



1 Longest Pause
25/03/19 17:43:15

Duration: 4.9 s (12 bpm)

Pt Triggered? YES NO

2 Second Longest Pause
28/03/19 09:35:17

Duration: 4 s (15 bpm)

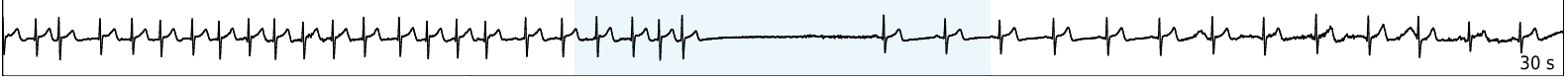
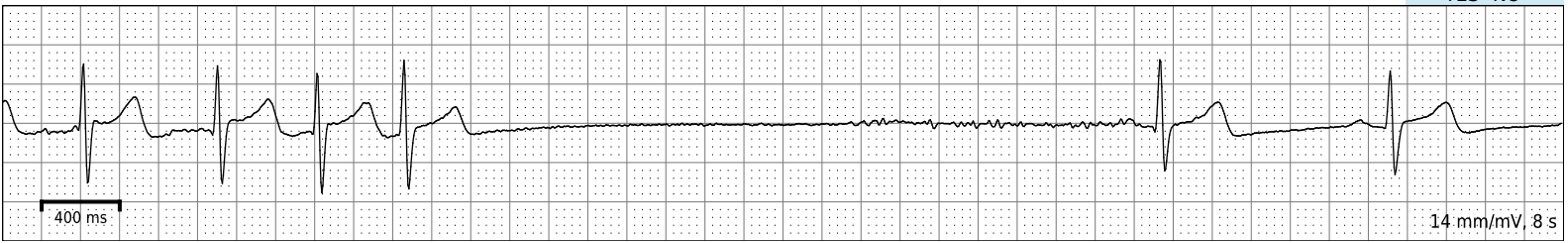
Pt Triggered? YES NO

3

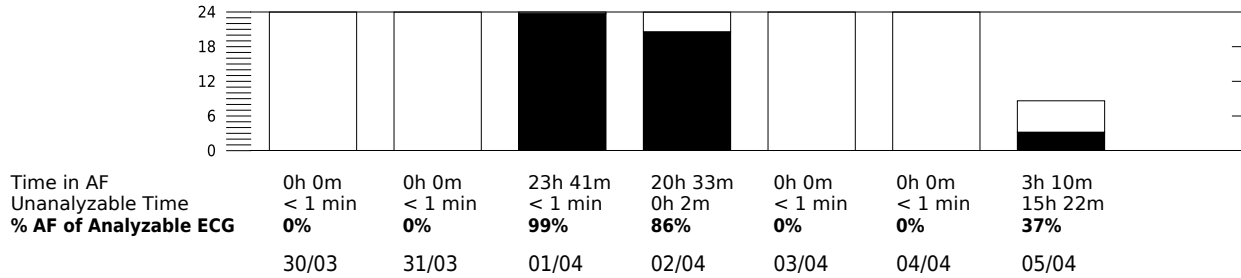
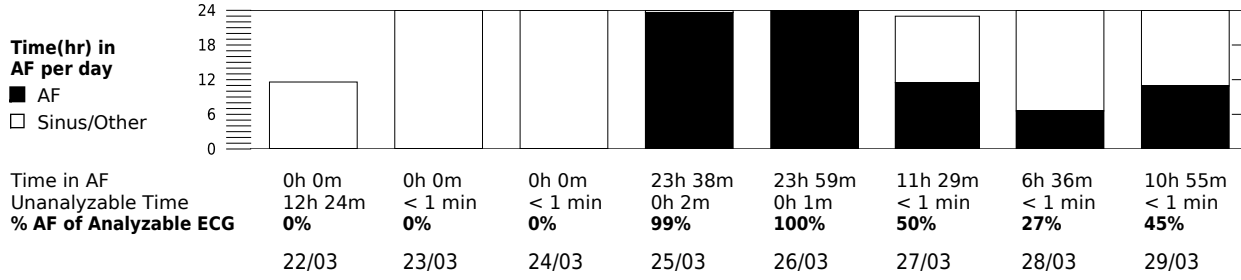
Third Longest Pause
29/03/19 10:57:01

Duration:
3.9 s (15 bpm)

Pt Triggered?	
<input checked="" type="checkbox"/>	<input type="checkbox"/>
YES	NO



AF Burden



AF
Atrial Fibrillation

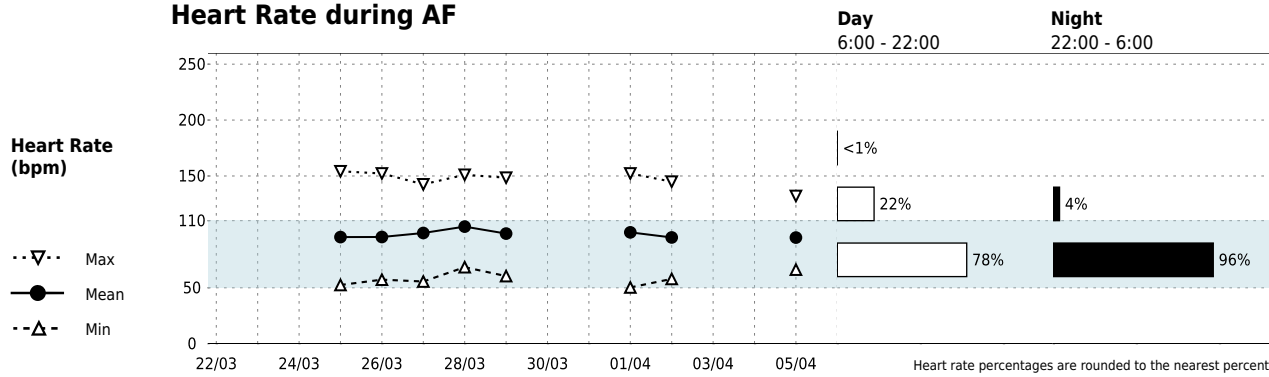
Total AF during enrollment
37%

Average heart rate
97 bpm

Heart rate range
50-154 bpm

Note: Heart rates are calculated using a sliding window of 8 beat intervals.

Heart Rate during AF



AF Duration

Duration	% of AF Episodes (≥ 30 s)	Episodes	Avg. Duration
1 d+	18%	2	1d 18h
12 - <24 h	9%	1	17h 15m
1 - <12 h	36%	4	5h 16m
10 - <60 m	18%	2	29m 29s
6 - <10 m	0%	0	0
1 - <6 m	18%	2	3m 22s
30 - <60 s	0%	0	0

Total Episodes (≥ 30 s)
11

Episodes of 6 mins or longer
9

Longest Duration
1 d 19 h

1

AF with Fastest Heart Rate

25/03/19 16:49:13

Average: 100 bpm
Range: 61-154 bpm

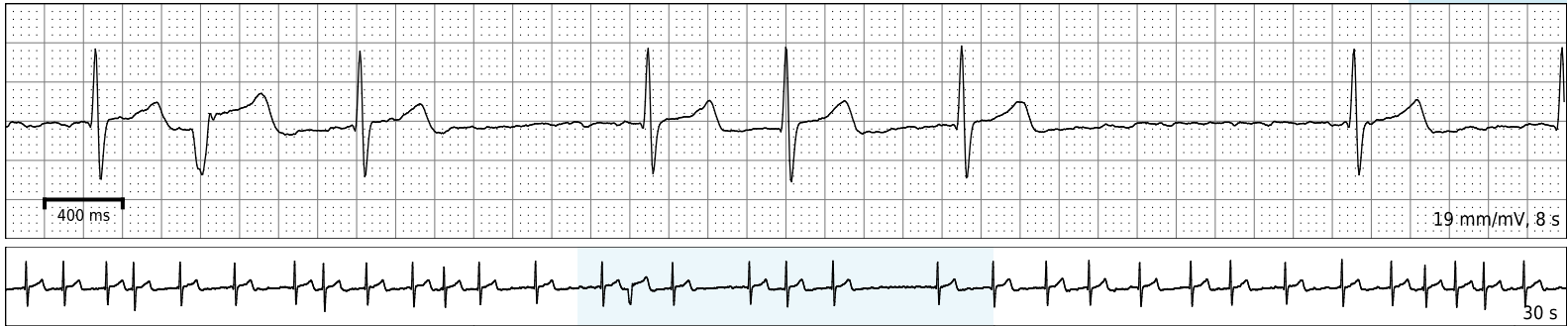
Pt Triggered?
 YES NO



2 AF with Slowest Heart Rate
01/04/19 22:43:08

Average: 97 bpm
Range: 50-152 bpm

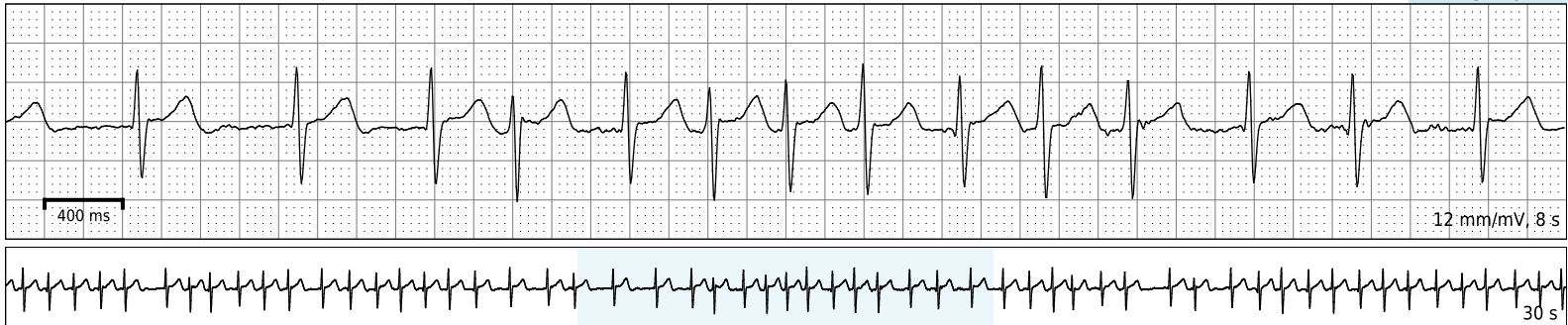
Pt Triggered?
 YES NO



3 AF with Fastest Avg. Heart Rate
28/03/19 08:57:46

Average: 107 bpm
Range: 76-134 bpm

Pt Triggered?
 YES NO



4 Longest AF Episode
01/04/19 00:17:51

Duration: 1 d 19 h
Average: 97 bpm
Range: 50-152 bpm

Pt Triggered?
 YES NO



5 Second Longest AF Episode
25/03/19 17:43:22

Duration: 1 d 18 h
Average: 94 bpm
Range: 52-152 bpm

Pt Triggered?
 YES NO



Number of Beats per Hour

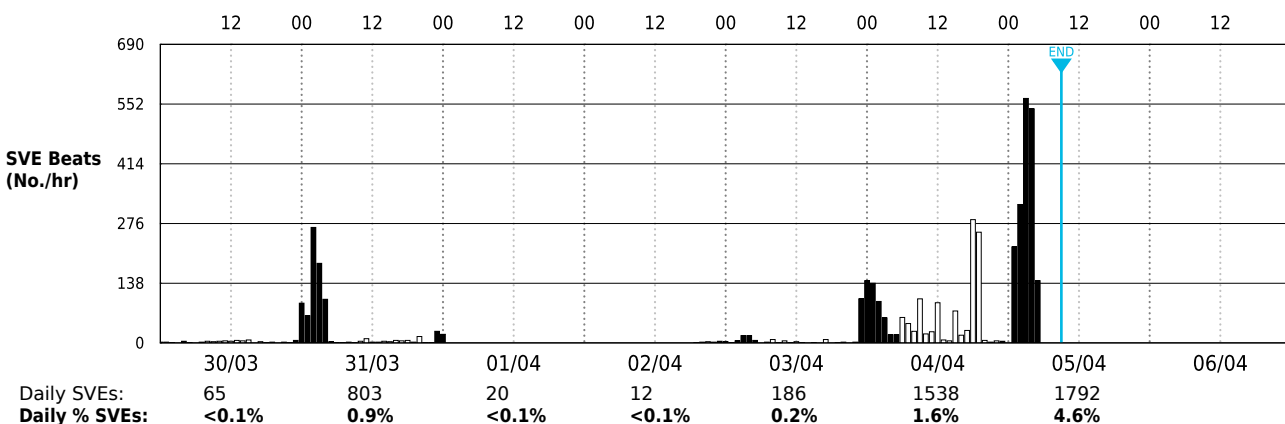
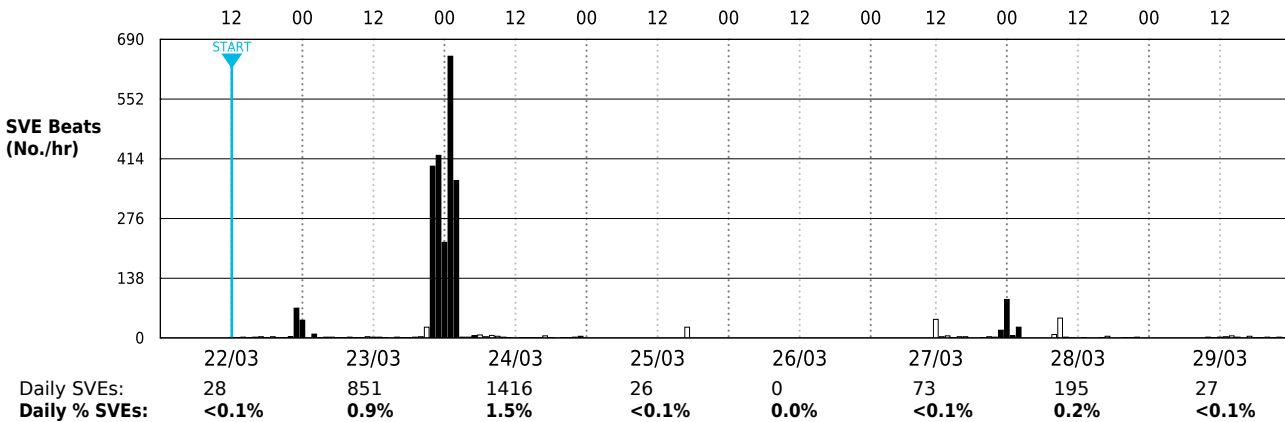
day (6:00 - 22:00)
 night (22:00 - 6:00)
▼ unanalyzable ECG

SVEs
Supraventricular Ectopics (PACs)

Isolated Ectopics
<1.0% 6723, Rare

Couplets
<1.0% 141, Rare

Triplets
<1.0% 9, Rare



1 Isolated SVE
24/03/19 01:31:08



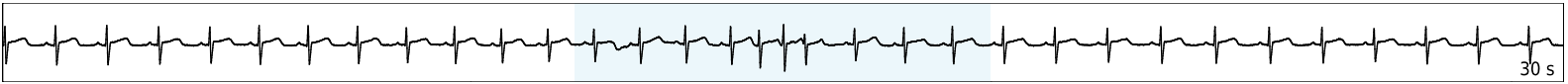
2 SVE Couplet
24/03/19 01:27:23



3

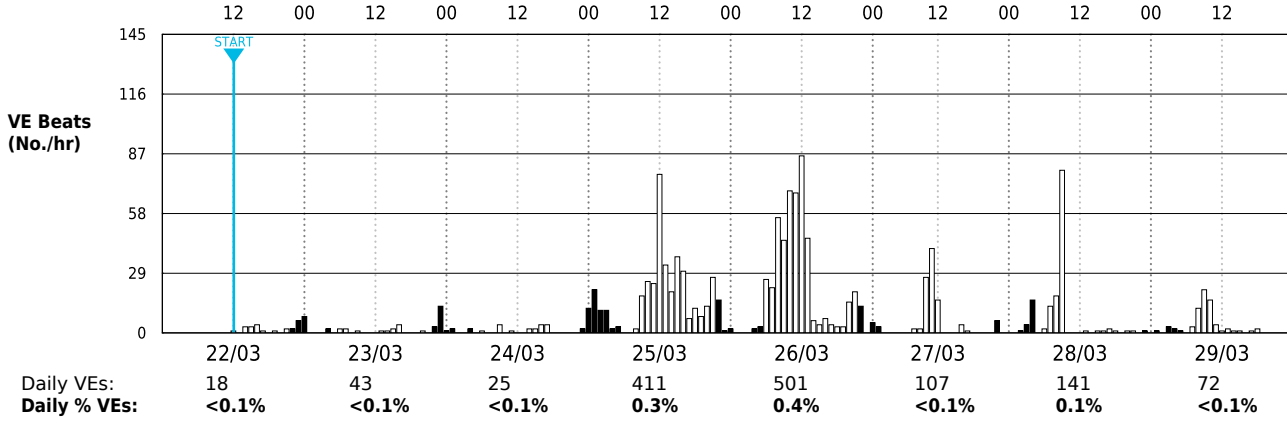
SVE Triplet

04/04/19 01:08:52



Number of Beats per Hour

day (6:00 - 22:00)
 night (22:00 - 6:00)
▼ unanalyzable ECG



VEs

Ventricular Ectopics (PVCs)

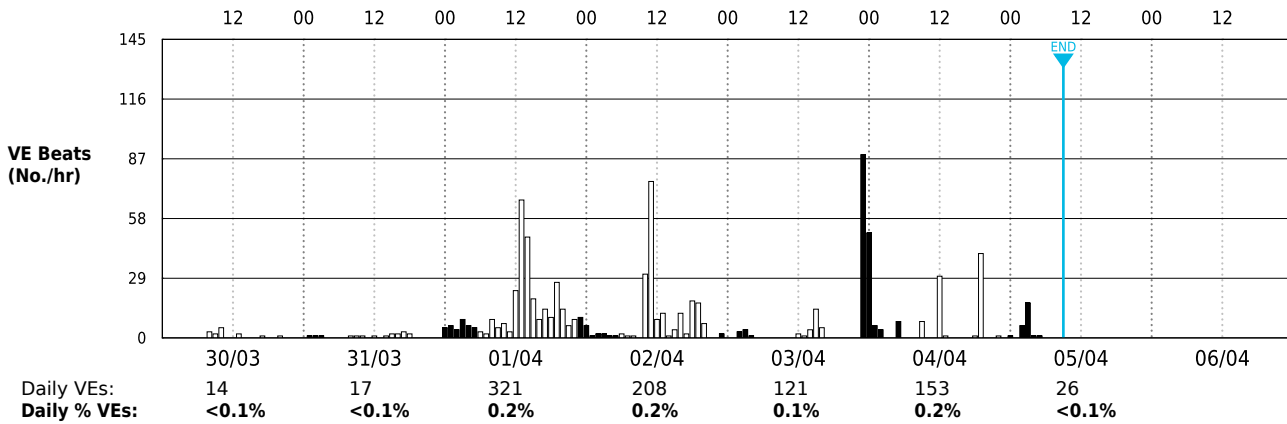
Isolated Ectopics
<1.0% 1716, Rare

Couplets
<1.0% 192, Rare

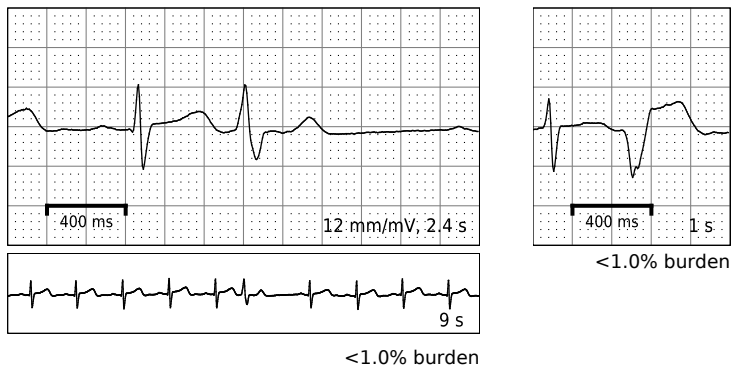
Triplets
<1.0% 26, Rare

Duration of Longest Bigeminy
0 s

Duration of Longest Trigeminy
0 s

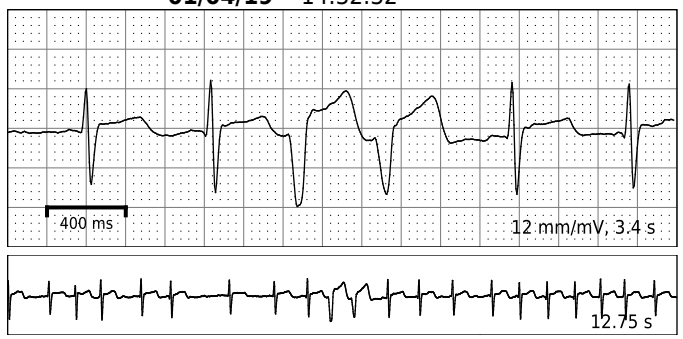


1 Isolated VE Beats by Unique Morphology



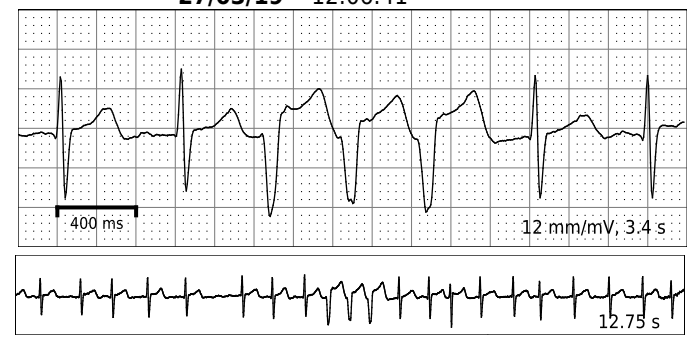
2 VE Couplet

01/04/19 14:32:32



3 VE Triplet

27/03/19 12:06:41



4

Ventricular Bigeminy/Trigeminy

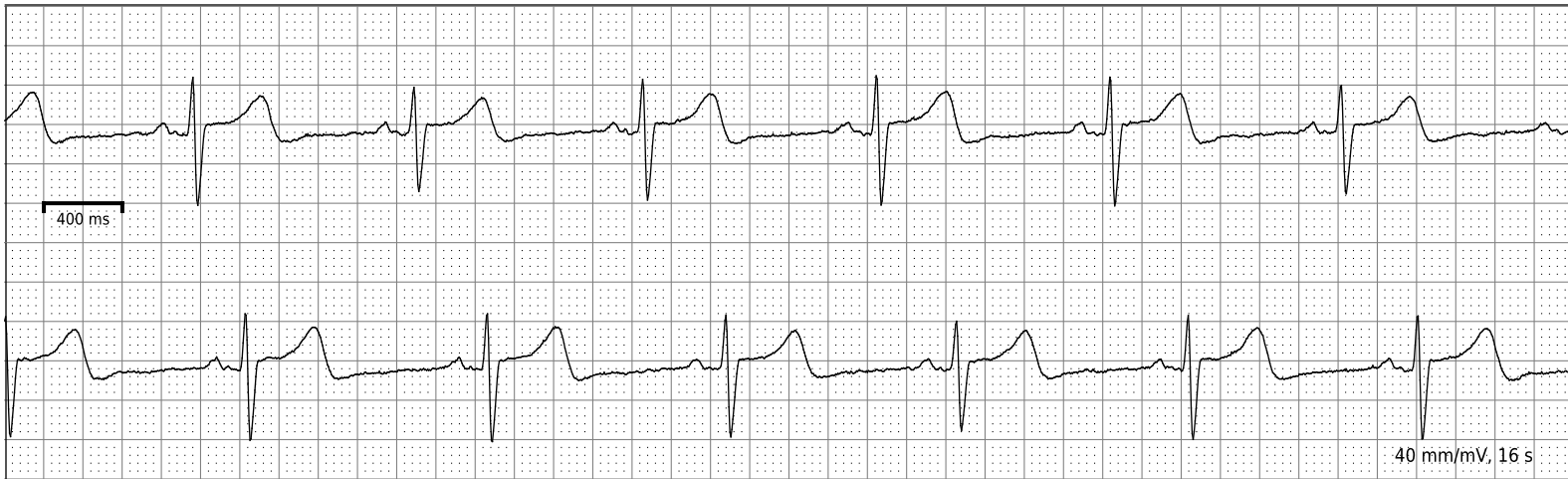
None found

Additional Strips

1

Minimum Sinus Rate (50 bpm)

23/03/19 06:59:45



2

Maximum Sinus Rate (96 bpm)

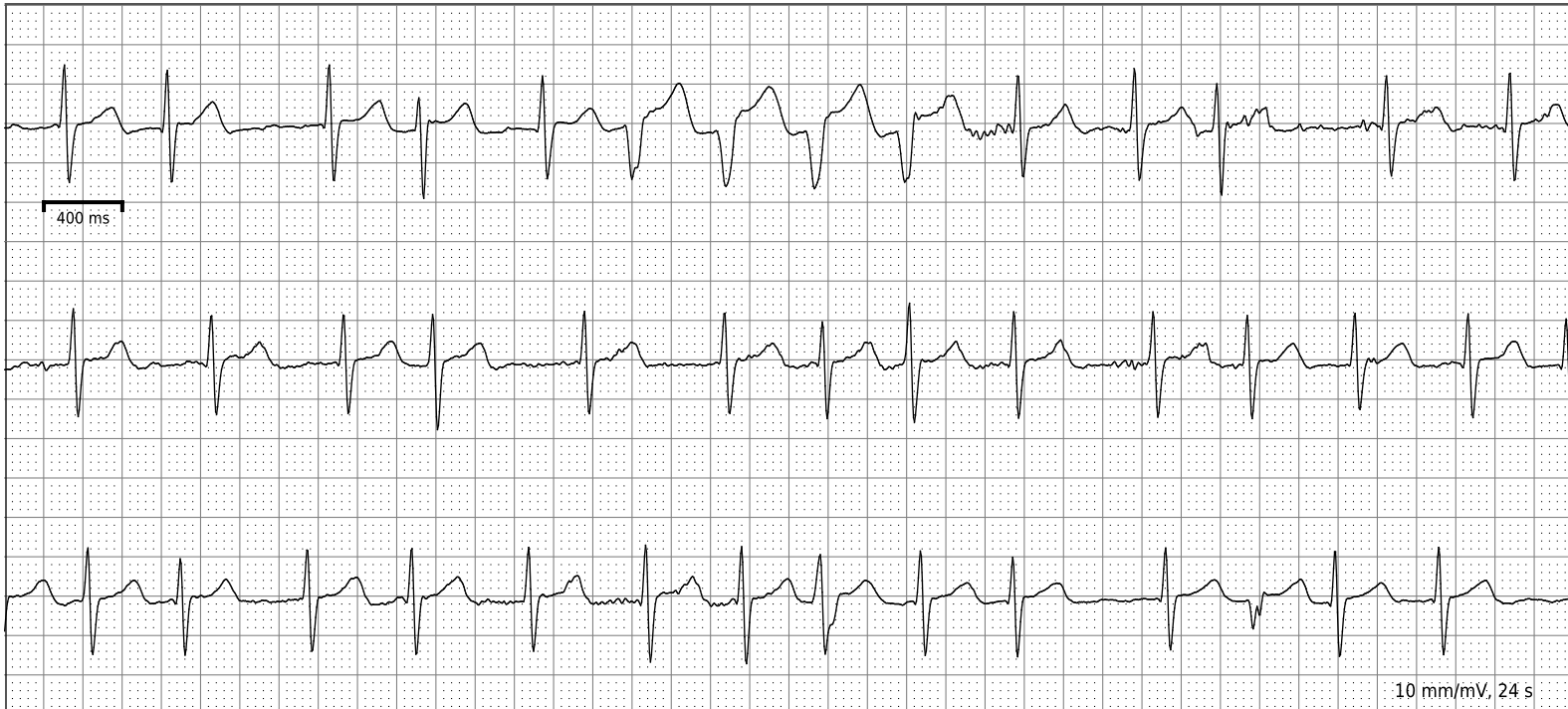
24/03/19 18:13:56



3

Atrial Fibrillation (86-115 bpm), Ventricular Tachycardia (125-133 bpm) vs aberrancy

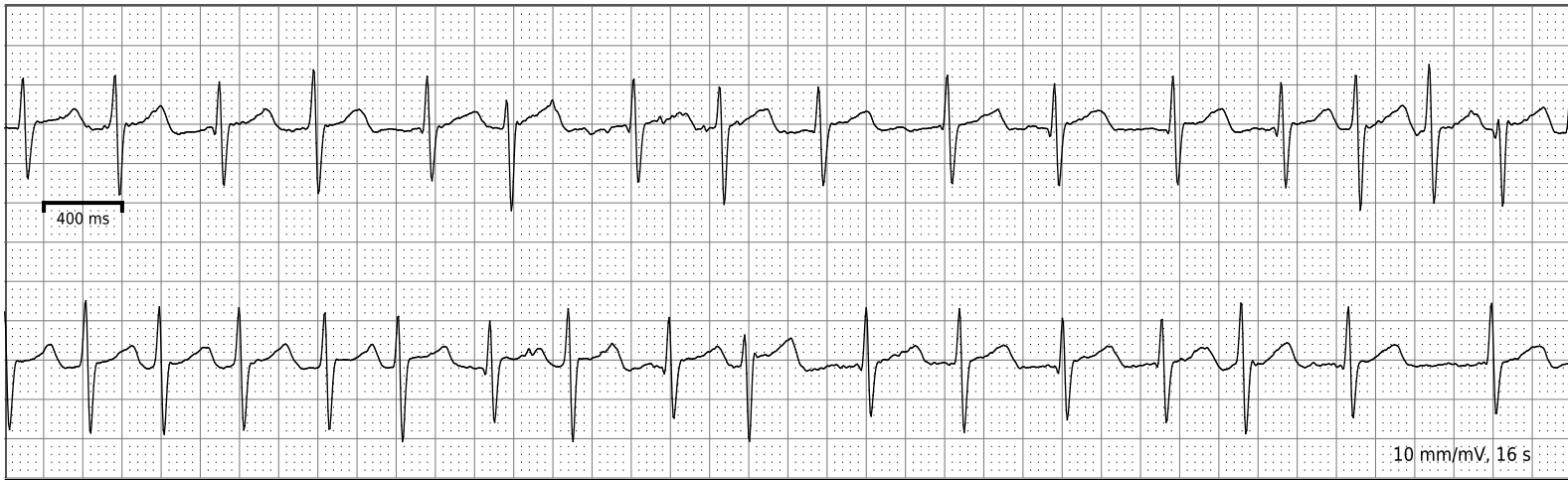
25/03/19 16:08:09



4

Atrial Fibrillation (103-154 bpm)

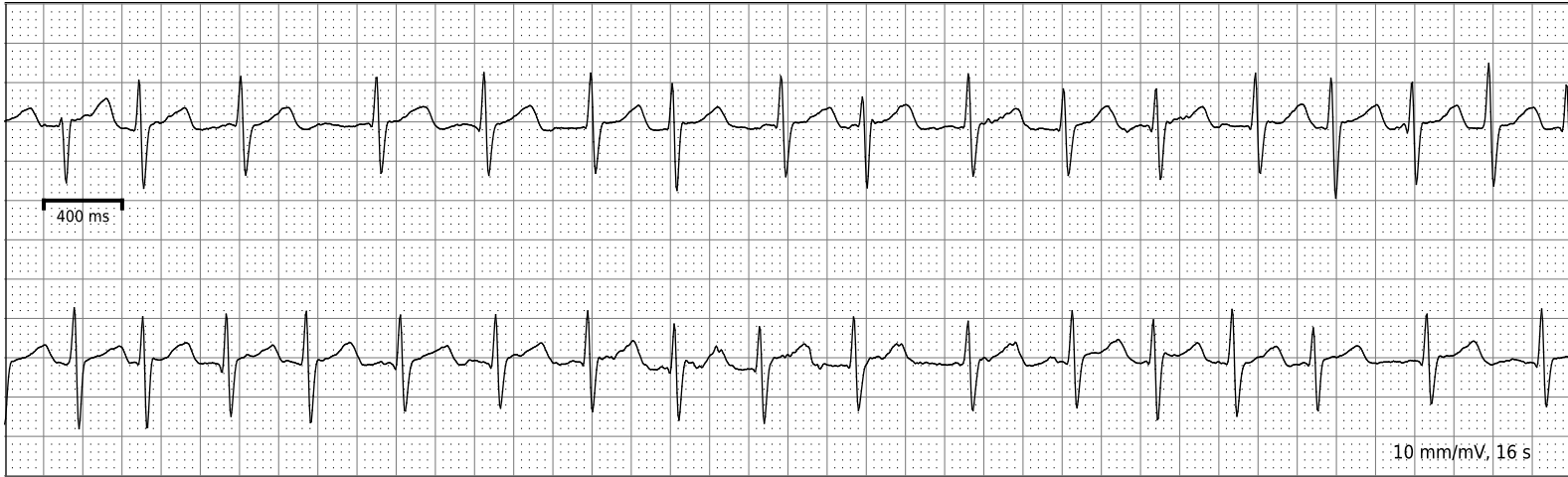
25/03/19 16:49:05



5

Atrial Fibrillation (113-152 bpm)

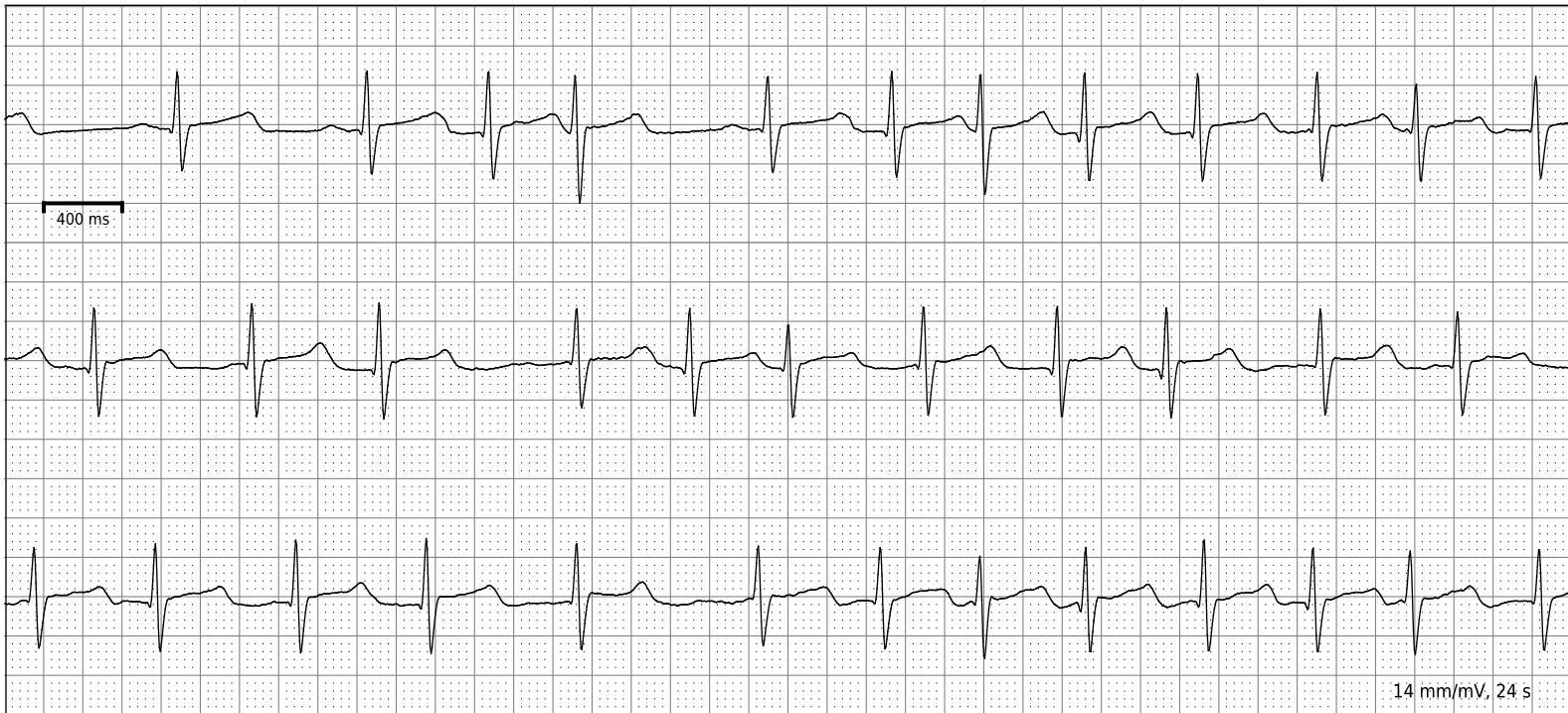
26/03/19 15:20:37



6

Initiation of Atrial Fibrillation (81-109 bpm)

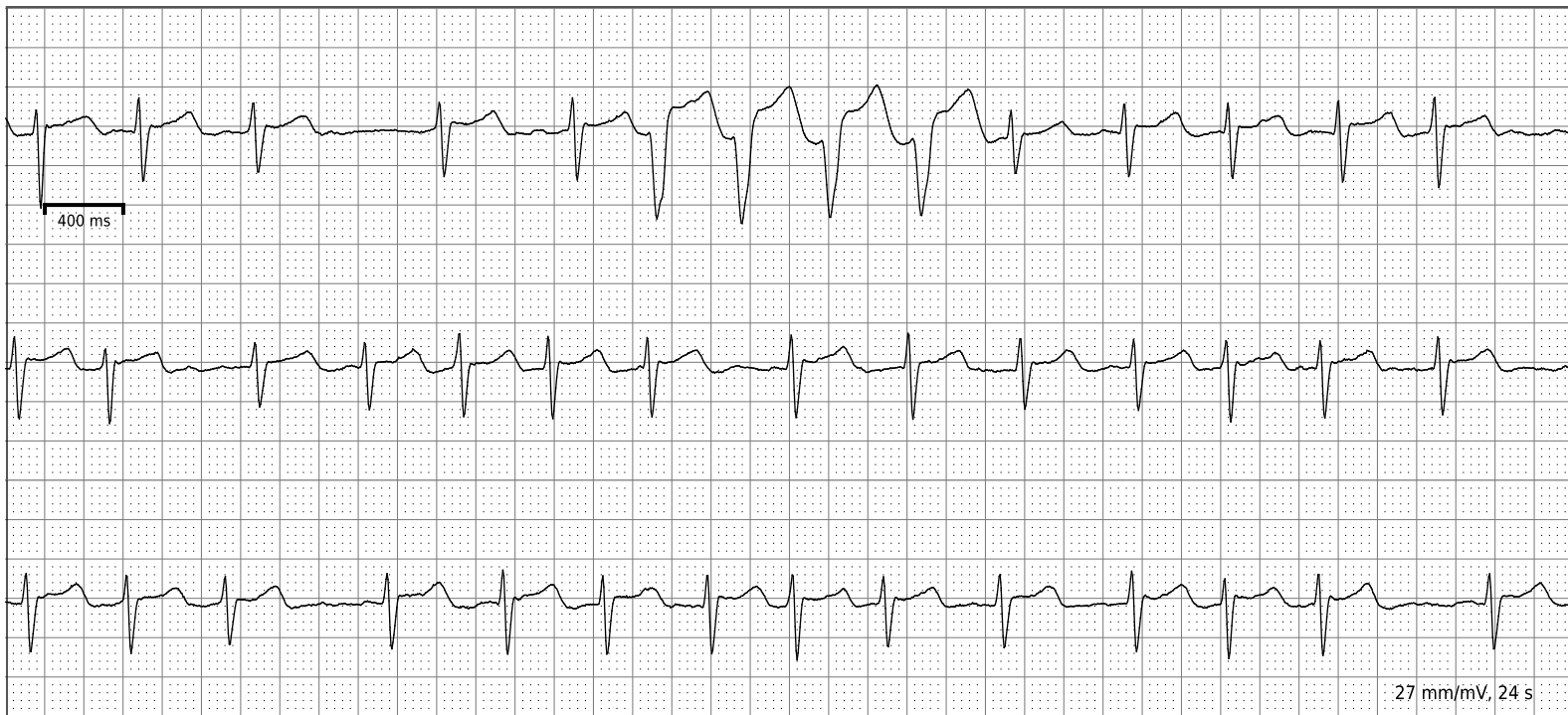
01/04/19 00:17:47



7

Atrial Fibrillation (92-115 bpm), Ventricular Tachycardia (129-138 bpm) vs aberrancy

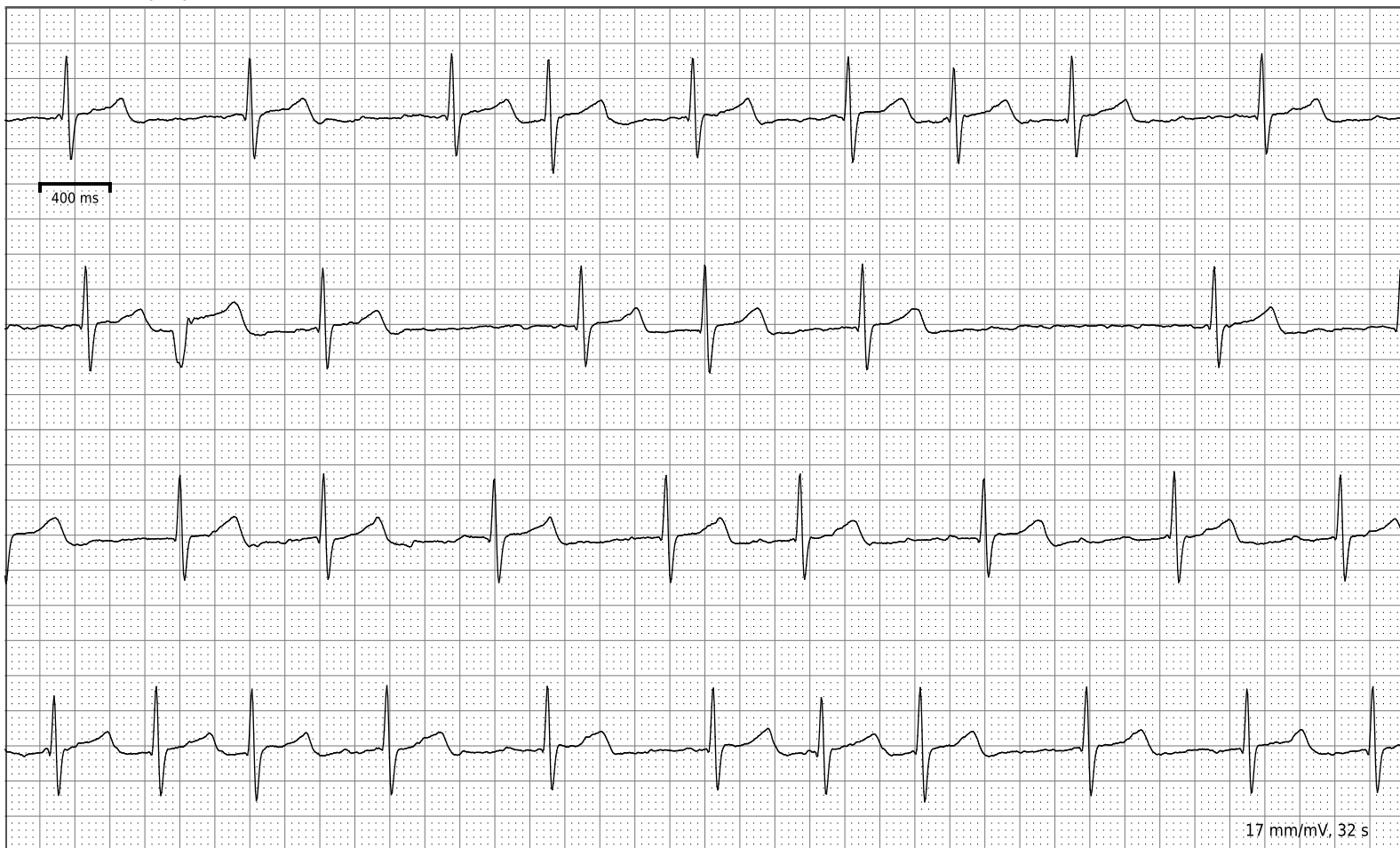
01/04/19 08:18:57



8

Atrial Fibrillation (50-86 bpm), VE(s)

01/04/19 22:42:56



9

Termination of Atrial Fibrillation (91-138 bpm)

02/04/19 19:13:58

