

Patient Name: Holter Extended
Date of Birth: 01/01/1980 (41 yrs.)
Gender: Female
MRN: 1234-4568-563
Pacemaker: No

Location: Conshohocken
Referring Physician: J. Doe, MD
Ordering Physician: J. Doe, MD
Rx Duration: 14d
Diagnosis (ICD10): R00.2 Palpitations

Study Summary

Start Date: 01/25/21
End Date: 02/08/21
Analysis Length: 14d
Total Beats: 1,917,696
Patient Events: 5
Analysis Date: 02/10/21
Analysis By: DC
Device ID: 241167

Your analysis in 48 hours or less

Heart Rate Summary

Max: 199bpm 02/03/21 05:57:27 am
Min: 49bpm 02/02/21 04:30:05 pm
Avg: 95bpm
Brady Episodes: --
Tachy Episodes: 4,685 (24.16%)

Supraventricular Summary

Total SVEs: --
Isolated: --
Couplets: --

Ventricular Summary

Morphologies: 4
Total PVCs: 9,006 (0.47%)
Isolated: 8,948 (0.47%)
Couplets: 20 (<0.01%)
Bigeminy: 24 (<0.01%)
Trigeminy: 3 (<0.01%)

PVC morphology

Paced Beats

Count: --

Physician Comments:

Afib / Flutter

Burden 100.00%
Longest Episode 13d 23h on 01/25/21 at 04:51:21 pm
Max HR 199bpm
Fastest Episode HR: 199bpm Duration: 13d 23h on 01/25/21 at 04:51:21 pm



Dynamic coloring allows for easier recognition of arrhythmia detection

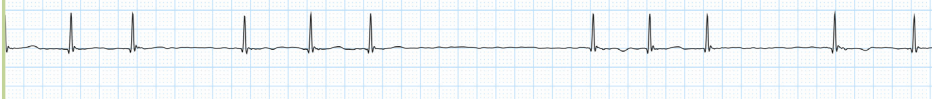
Other SVT

Count --
Longest Episode --
Max HR --

Pause

Count 33

Longest R-R Duration: 2.4sec on 02/02/21 at 04:27:42 pm



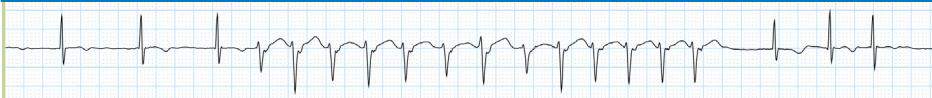
AV Block

Highest Grade --

VT

Count 2
Longest Episode 13 beats on 02/03/21 at 07:56:28 pm
Max HR 156bpm

Fastest Episode HR: 156bpm Duration: 13 beats on 02/03/21 at 07:56:28 pm



Afib, SVT and VT include date and timestamps for both longest and fastest episodes

Preliminary Findings:

Patient monitored for 14d starting on 01/25/2021 04:47 pm. Average heart rate was 95 bpm, Minimum heart rate was 49 bpm on Day 9 / 04:30:05 pm, Max heart rate was 199 bpm on Day 10 / 05:57:27 am

Atrial Fibrillation or Flutter: Burden was 100 %, longest event 13d 23h on Day 1 / 04:51:21 pm, fastest rate 199 bpm on Day 1 / 04:51:21 pm.

SVE(s): Burden was 0 %, max count per 24 hours 0
SVT (AT, RT): 0 events, longest event 0 s on --, fastest event -- bpm on --

Pause: 33 events, longest pause 2352 ms on Day 9 / 04:27:42 pm

AV Block: 0 %, longest R-R interval 0 ms, most severe block demonstrated --

PVC(s): Burden was 0.47 %, max count per 24 hours 647, 4 disparate morphologies

Ventricular Tachycardia: 2 events, longest event 13 beats at Day 10 / 07:56:28 pm, fastest rate 156 bpm at Day 10 / 07:56:28 pm

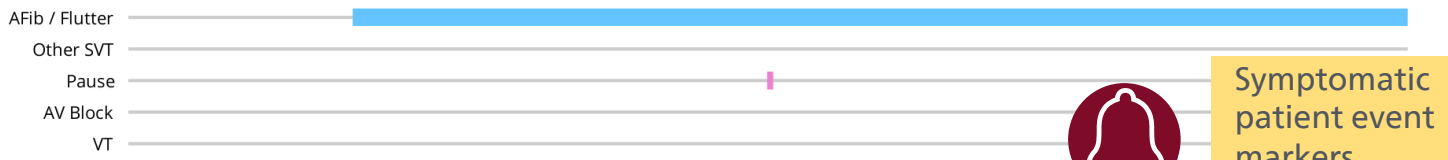
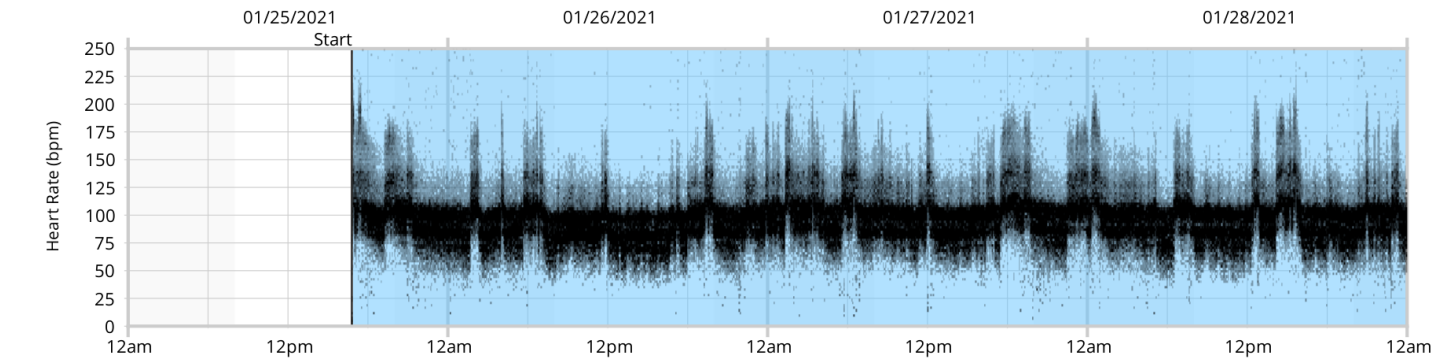
SIGNATURE

DATE

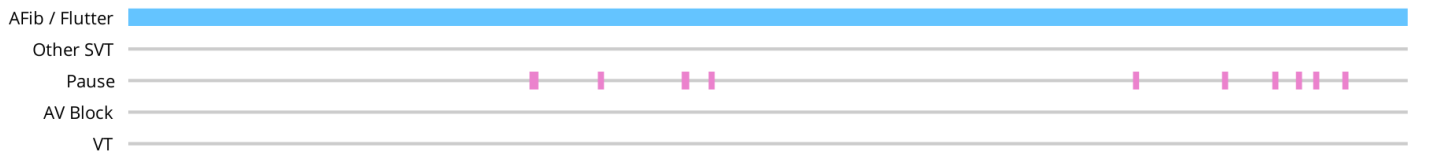
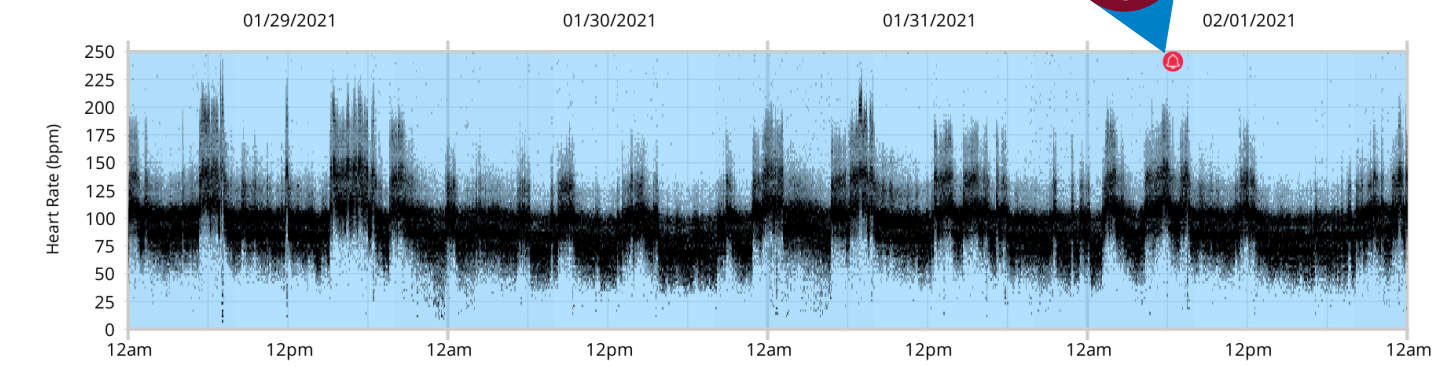
# Heart Rate Trend

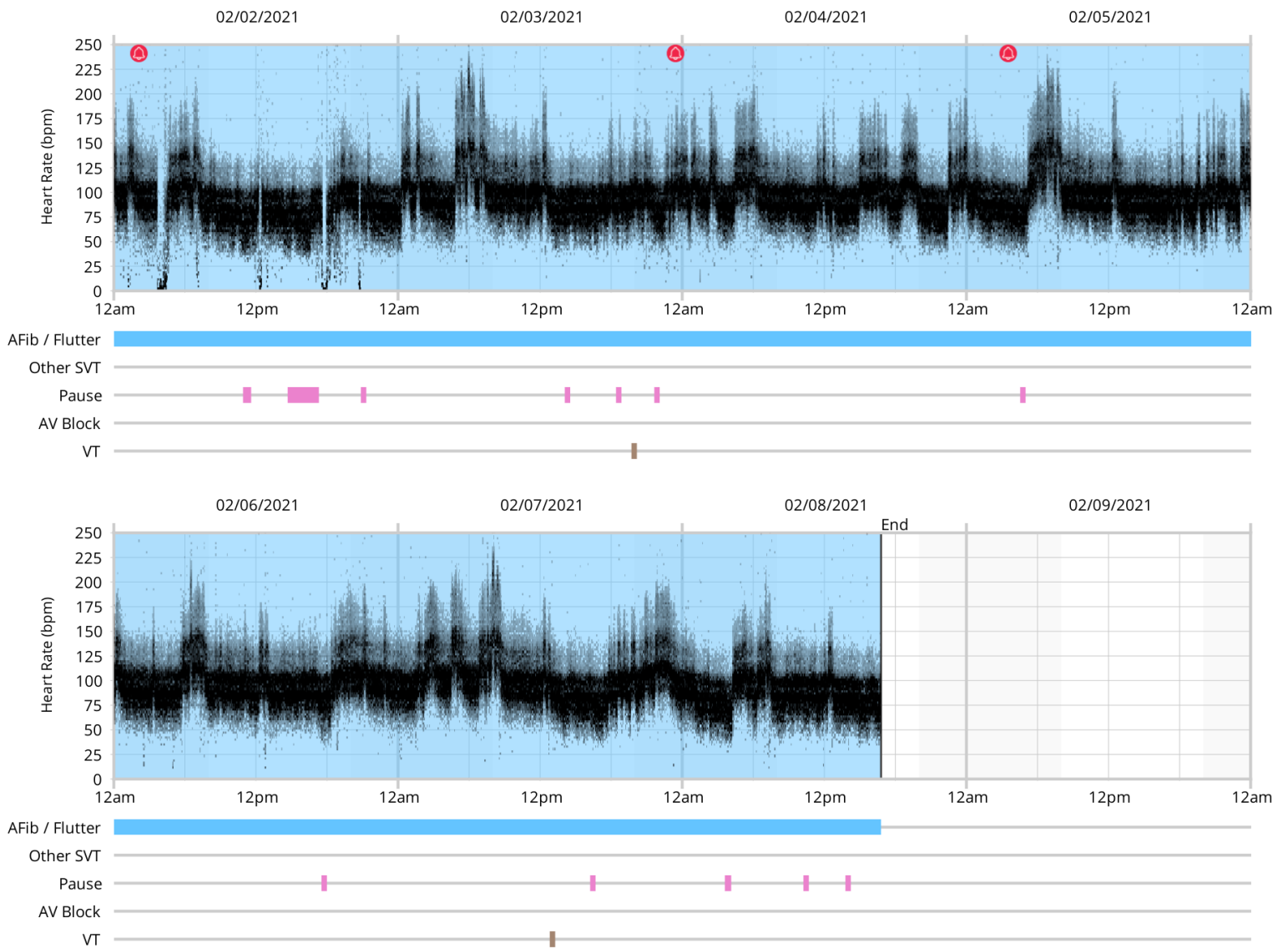
Min HR 49bpm    Max HR 199bpm    Avg HR 95bpm    Bradycardia Episode Count --    Tachycardia Episode Count 4,685 (24.16%)

🔴 Patient Event    🟡 Physician Notification    🔵 AFib / Flutter



Symptomatic patient event markers

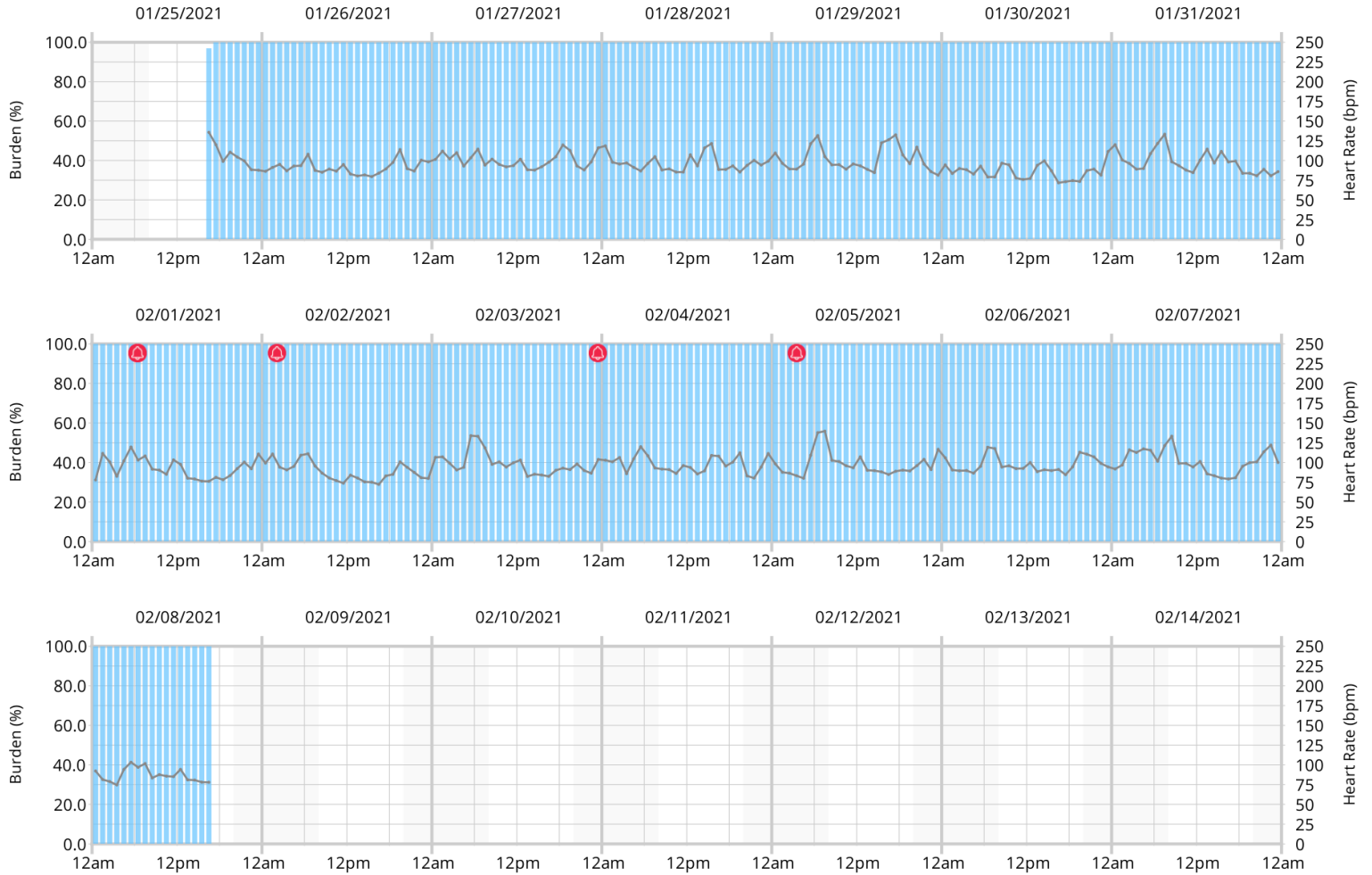




## Atrial Fibrillation / Flutter Hourly Burden

Burden	Longest Episode	Max HR	Avg HR	Min HR
<b>100.00%</b>	<b>13d 23h</b>	<b>199bpm</b>	<b>92bpm</b>	<b>33bpm</b>

▲ Patient Event  
 ■ AFib / Flutter  
 — Heart Rate



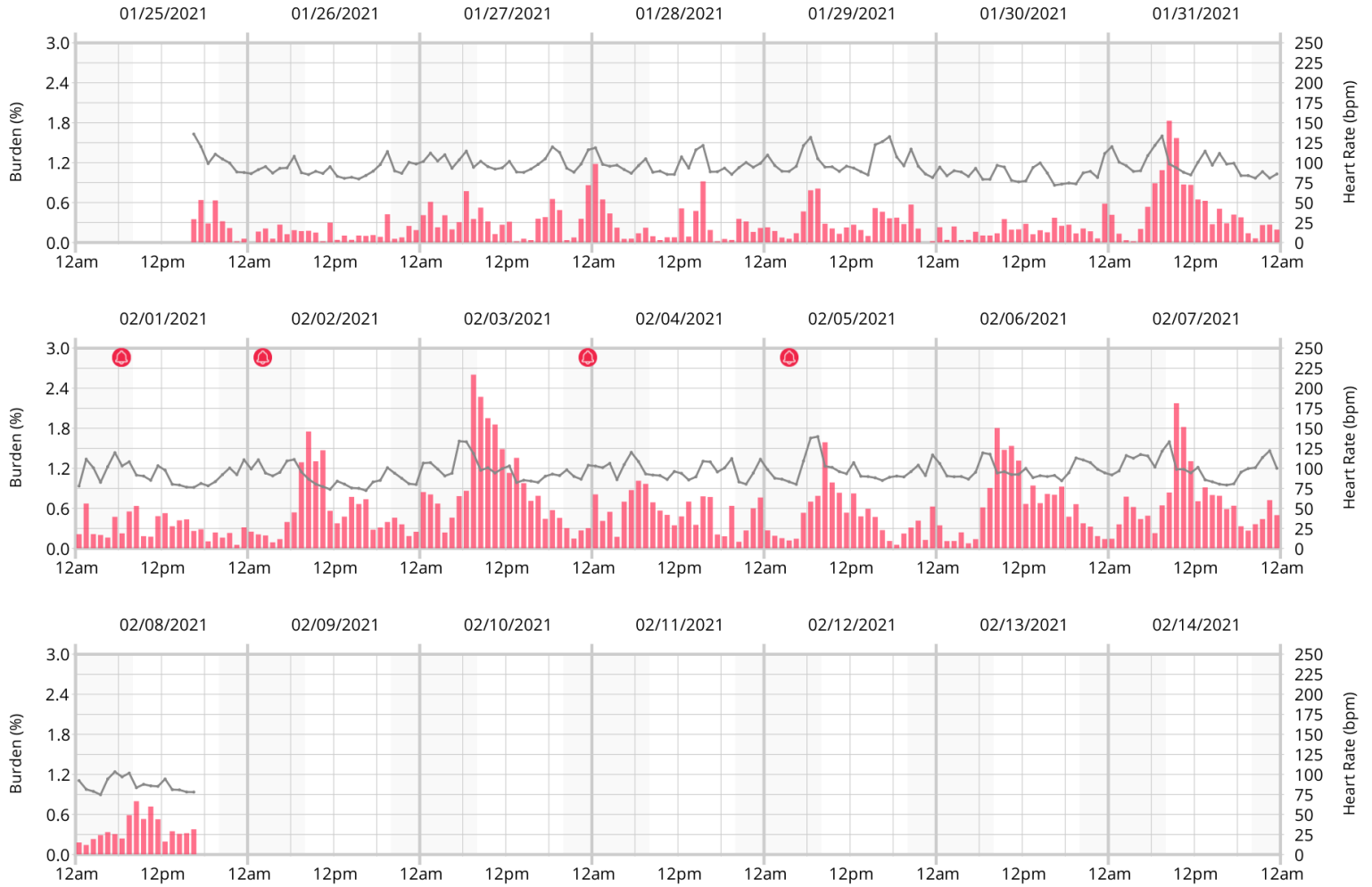
## SVE Hourly Burden

No SVEs found in the study

# PVC Hourly Burden

Count	Isolated Count	No. of Morphologies	Couplets	Bigeminy	Trigeminy
9,006 (0.47%)	8,948 (0.47%)	4	20 (<0.01%)	24 (<0.01%)	3 (<0.01%)

⬆ Patient Event   
 ■ PVC   
 — Heart Rate



## HR and Ectopic Beats Table

Time Ending	Min HR (bpm)	Avg HR (bpm)	Max HR (bpm)	SVE Count	SVE Burden (%)	PVC Count	PVC Burden (%)
01/25/21 10:00:00 pm	88	108	136	--	--	144	0.43
01/26/21 04:00:00 am	77	89	113	--	--	28	0.09
01/26/21 10:00:00 am	77	93	119	--	--	60	0.18
01/26/21 04:00:00 pm	72	84	101	--	--	32	0.11
01/26/21 10:00:00 pm	77	94	122	--	--	52	0.15
01/27/21 04:00:00 am	88	104	130	--	--	133	0.36
01/27/21 10:00:00 am	85	100	126	--	--	153	0.42
01/27/21 04:00:00 pm	81	93	113	--	--	47	0.14
01/27/21 10:00:00 pm	83	103	128	--	--	131	0.35
01/28/21 04:00:00 am	86	104	130	--	--	241	0.64
01/28/21 10:00:00 am	78	93	115	--	--	35	0.10
01/28/21 04:00:00 pm	79	101	138	--	--	146	0.40
01/28/21 10:00:00 pm	80	92	108	--	--	55	0.17
01/29/21 04:00:00 am	82	96	122	--	--	54	0.16
01/29/21 10:00:00 am	85	107	150	--	--	183	0.47
01/29/21 04:00:00 pm	77	96	139	--	--	88	0.26
01/29/21 10:00:00 pm	82	112	147	--	--	156	0.39
01/30/21 04:00:00 am	74	87	105	--	--	31	0.10
01/30/21 10:00:00 am	71	87	110	--	--	49	0.16
01/30/21 04:00:00 pm	68	85	107	--	--	57	0.19
01/30/21 10:00:00 pm	64	78	101	--	--	65	0.23
01/31/21 04:00:00 am	75	100	128	--	--	83	0.23
01/31/21 10:00:00 am	81	108	146	--	--	394	1.02
01/31/21 04:00:00 pm	78	99	124	--	--	222	0.62
01/31/21 10:00:00 pm	75	89	113	--	--	85	0.27
02/01/21 04:00:00 am	69	90	124	--	--	101	0.31
02/01/21 10:00:00 am	83	102	129	--	--	139	0.38
02/01/21 04:00:00 pm	72	87	115	--	--	126	0.40
02/01/21 10:00:00 pm	69	85	106	--	--	66	0.21
02/02/21 04:00:00 am	82	100	128	--	--	69	0.19
02/02/21 10:00:00 am	74	96	124	--	--	298	0.86
02/02/21 04:00:00 pm	65	77	91	--	--	200	0.72
02/02/21 10:00:00 pm	66	87	109	--	--	131	0.42
02/03/21 04:00:00 am	74	94	131	--	--	180	0.53
02/03/21 10:00:00 am	85	113	161	--	--	594	1.46
02/03/21 04:00:00 pm	76	91	115	--	--	417	1.27
02/03/21 10:00:00 pm	77	91	109	--	--	146	0.45
02/04/21 04:00:00 am	77	98	121	--	--	152	0.43
02/04/21 10:00:00 am	84	101	129	--	--	296	0.81
02/04/21 04:00:00 pm	79	93	117	--	--	179	0.53
02/04/21 10:00:00 pm	76	97	123	--	--	134	0.39
02/05/21 04:00:00 am	76	94	123	--	--	125	0.37

Time Ending	Min HR (bpm)	Avg HR (bpm)	Max HR (bpm)	SVE Count	SVE Burden (%)	PVC Count	PVC Burden (%)
02/05/21 10:00:00 am	76	112	153	--	--	324	0.81
02/05/21 04:00:00 pm	82	94	113	--	--	214	0.63
02/05/21 10:00:00 pm	77	92	116	--	--	79	0.24
02/06/21 04:00:00 am	80	97	127	--	--	98	0.28
02/06/21 10:00:00 am	82	101	131	--	--	307	0.84
02/06/21 04:00:00 pm	81	92	110	--	--	329	0.99
02/06/21 10:00:00 pm	78	100	123	--	--	209	0.58
02/07/21 04:00:00 am	85	102	128	--	--	144	0.39
02/07/21 10:00:00 am	93	115	147	--	--	322	0.78
02/07/21 04:00:00 pm	75	91	109	--	--	350	1.07
02/07/21 10:00:00 pm	72	95	123	--	--	146	0.43
02/08/21 04:00:00 am	70	92	126	--	--	124	0.38
02/08/21 10:00:00 am	74	95	117	--	--	156	0.46
02/08/21 04:00:00 pm	72	84	103	--	--	122	0.40
02/08/21 04:47:25 pm	69	78	88	--	--	14	0.38

## Ventricular Morphology Analysis

### Morphology 1

Beat Count

**8,575 (95.12% of PVCs)**

ECG CHANNEL 1



### Morphology 2

Beat Count

**211 (2.34% of PVCs)**

ECG CHANNEL 1



### Morphology 3

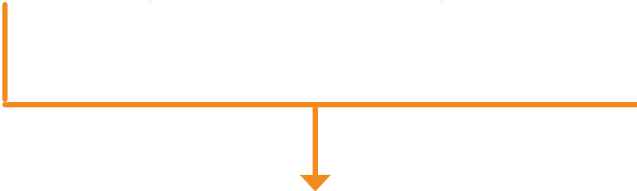
Beat Count

**211 (2.34% of PVCs)**

ECG CHANNEL 1



Morphology #	Beat Count	% of PVCs
Morphology 1	8,575	95.12%
Morphology 2	211	2.34%
Morphology 3	211	2.34%
Morphology 4	18	0.20%

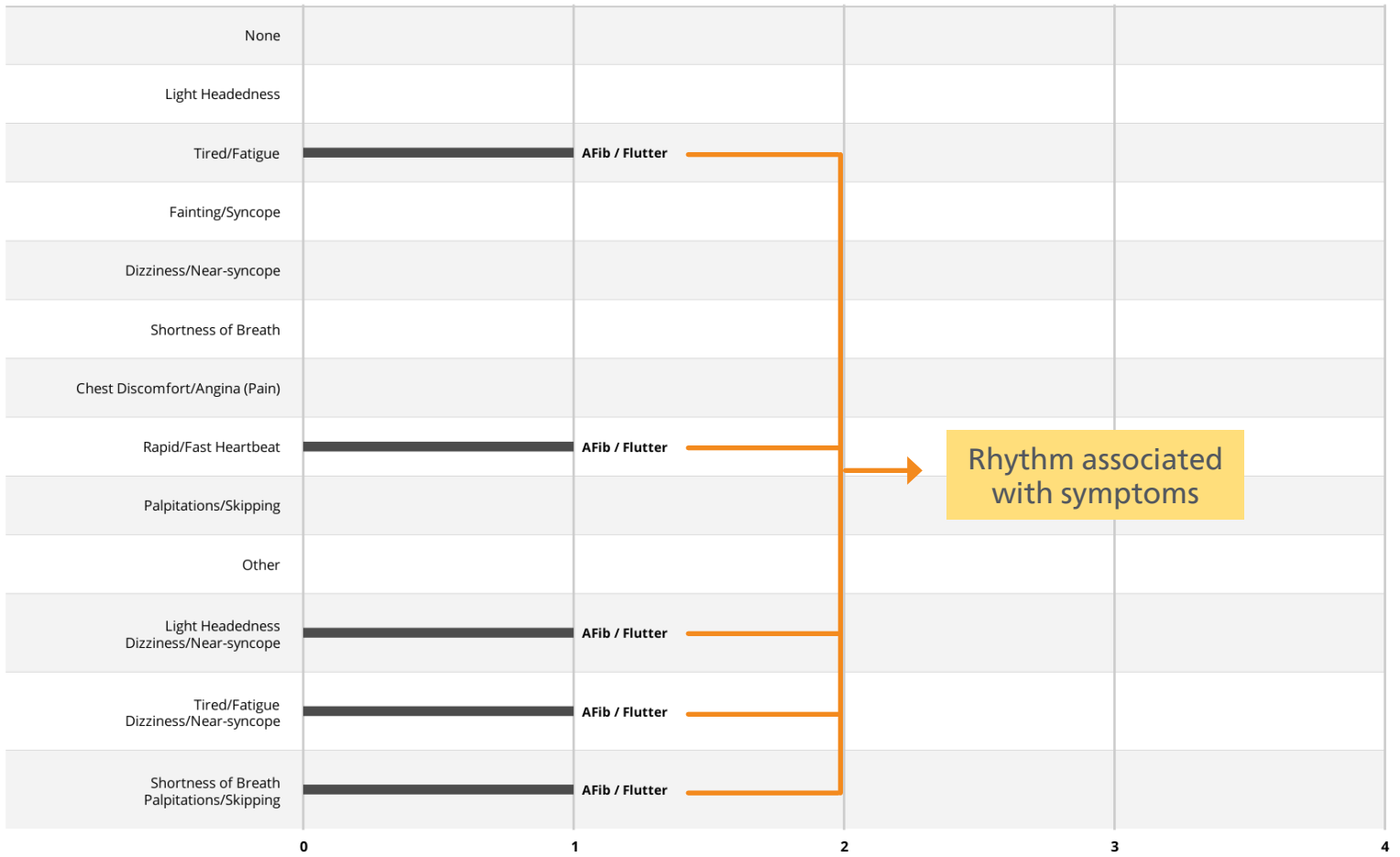


Morphology examples

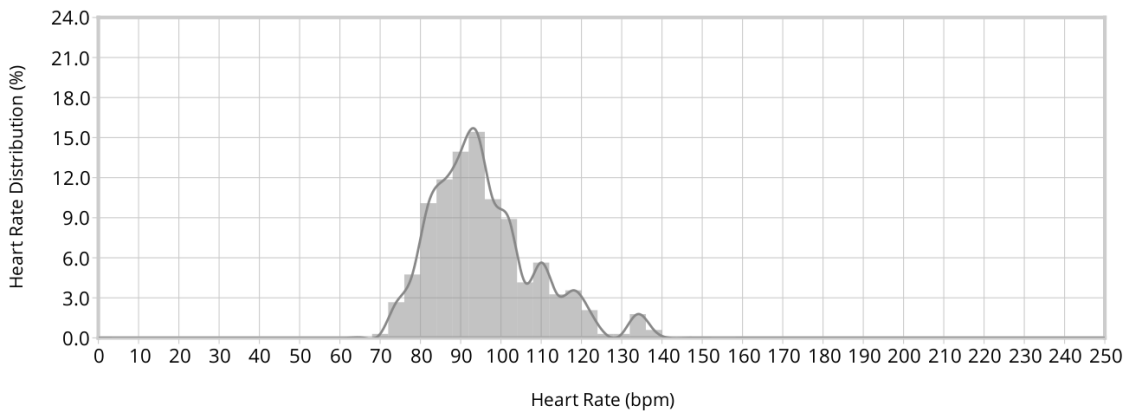
## Patient Symptoms

Total Patient Events

5



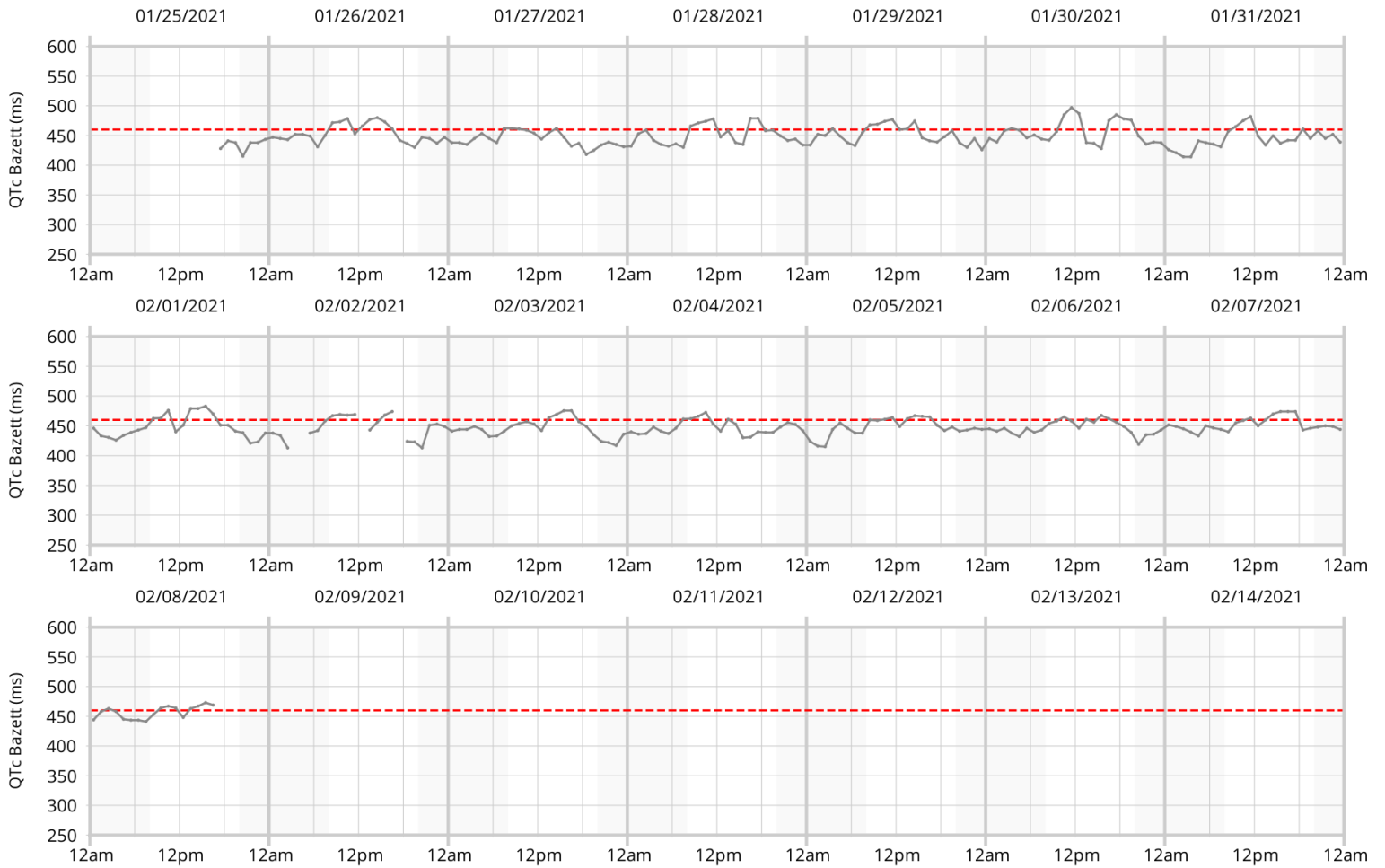
## Heart Rate Variability



Mean	632ms
SDNN	180ms
SDANN	93ms
ASDNN	150ms
NN50	1,417,840
pNN50	76.18%
RMSSD	212ms
VLF	5,744.58ms <sup>2</sup>
LF	7,319.59ms <sup>2</sup>
HF	7,492.03ms <sup>2</sup>



# QT Analysis



QT min	<b>294ms</b>	QTcB min	<b>405ms</b>
QT avg	<b>356ms</b>	QTcB avg	<b>449ms</b>
QT max	<b>409ms</b>	QTcB max	<b>487ms</b>
		QTcB > 460ms	<b>31.68%</b>

## Strip Index

ID	Date & Time	Category	HR	Physician Notification	Association	Comments	Page
1	02/03/21 05:57:27 am	Max HR	199bpm	--	--		<a href="#">page 10</a>
2	02/02/21 04:30:05 pm	Min HR	49bpm	--	--		<a href="#">page 10</a>
3	01/30/21 06:34:07 am	Pause	--	--	--		<a href="#">page 11</a>
4	01/30/21 11:29:23 am	Pause	--	--	--		<a href="#">page 11</a>
5	02/01/21 10:20:05 am	Pause	--	--	--		<a href="#">page 11</a>
6	02/02/21 04:27:38 pm	Pause	--	--	--		<a href="#">page 11</a>
7	01/25/21 04:51:25 pm	Afib / Flutter	101bpm	--	Patient Event		<a href="#">page 11</a>
8	01/29/21 03:23:51 pm	Afib / Flutter	183bpm	--	Patient Event	Fastest AFib	<a href="#">page 12</a>
9	02/03/21 07:56:26 pm	VT	156bpm	--	--		<a href="#">page 12</a>
10	02/07/21 01:02:27 pm	VT	126bpm	--	--		<a href="#">page 12</a>
11	02/01/21 06:25:27 am	Patient Event	106bpm	--	Afib / Flutter		<a href="#">page 12</a>
12	02/01/21 06:25:28 am	Patient Event	104bpm	--	Afib / Flutter		<a href="#">page 13</a>
13	02/02/21 02:07:14 am	Patient Event	92bpm	--	Afib / Flutter		<a href="#">page 13</a>
14	02/03/21 11:26:04 pm	Patient Event	103bpm	--	Afib / Flutter		<a href="#">page 13</a>
15	02/05/21 03:31:25 am	Patient Event	70bpm	--	Afib / Flutter		<a href="#">page 13</a>
16	01/27/21 05:08:32 am	PVC	--	--	--		<a href="#">page 14</a>
17	01/27/21 06:48:49 am	PVC	--	--	--		<a href="#">page 14</a>
18	02/02/21 07:44:56 am	PVC	--	--	--		<a href="#">page 14</a>
19	01/31/21 07:20:43 am	Ventricular Couplet	--	--	--		<a href="#">page 14</a>
20	01/29/21 06:06:56 am	Ventricular Bigeminy	--	--	--		<a href="#">page 14</a>

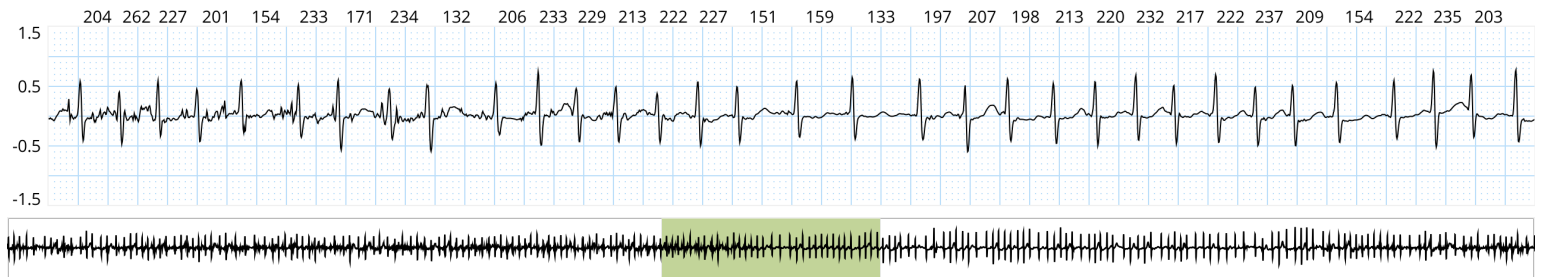
Embedded hyperlink mapping to arrhythmia



### Max HR

1. 02/03/21 05:57:27 am

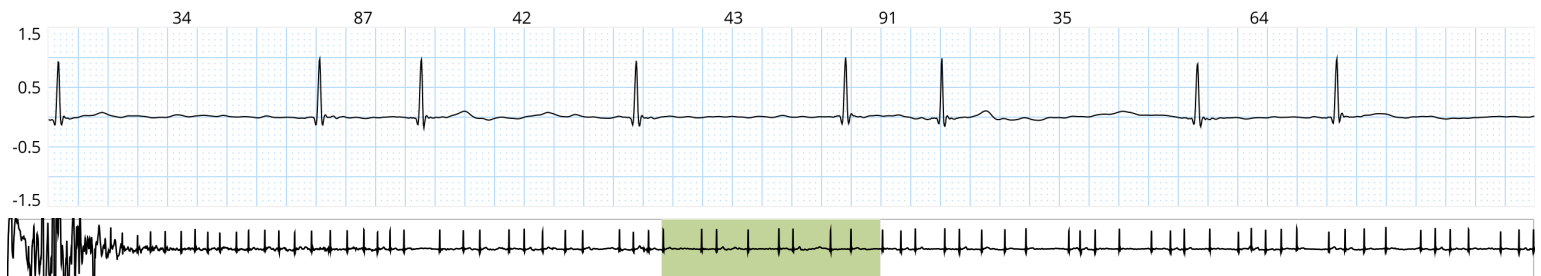
HR: 199bpm



### Min HR

2. 02/02/21 04:30:05 pm

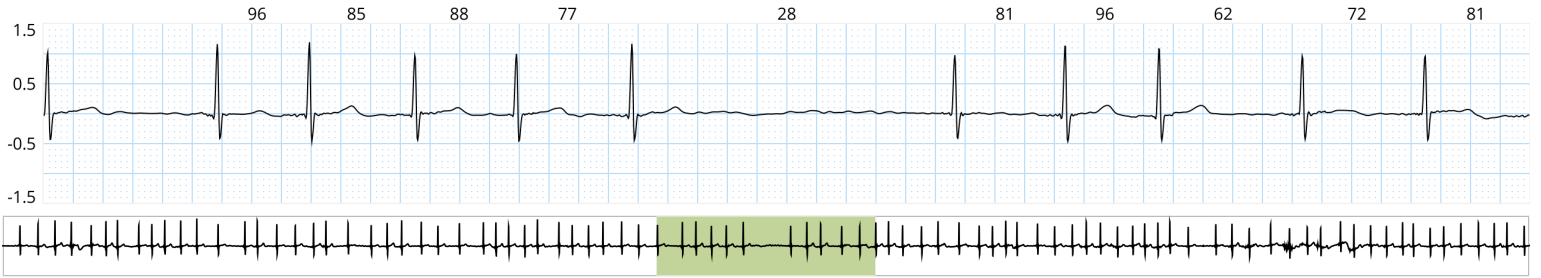
HR: 49bpm



## Pause

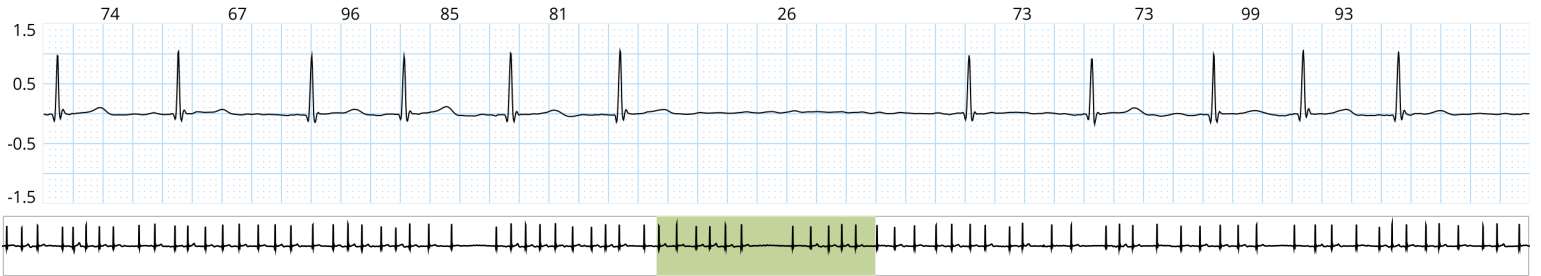
3. 01/30/21 06:34:07 am

Duration: 2.2sec



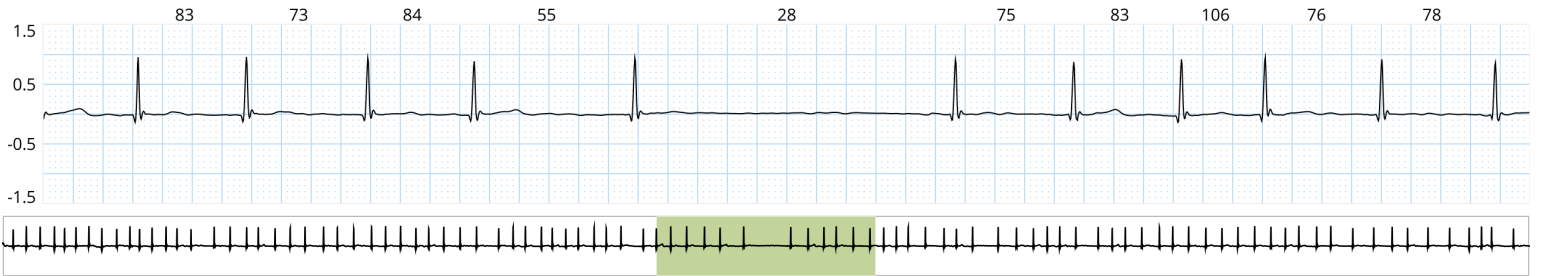
4. 01/30/21 11:29:23 am

Duration: 2.4sec



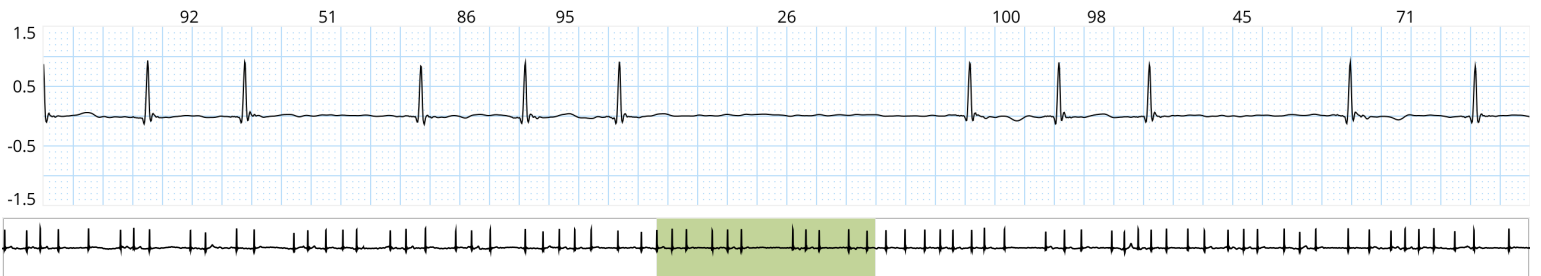
5. 02/01/21 10:20:05 am

Duration: 2.1sec



6. 02/02/21 04:27:38 pm

Duration: 2.4sec



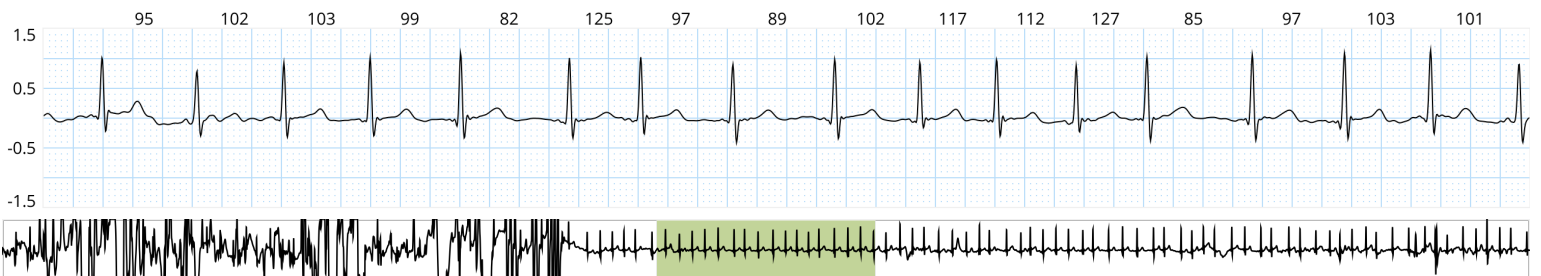
## Afib / Flutter

7. 01/25/21 04:51:25 pm

HR: 101bpm

Duration: 13d 23h

Episode Associated to Patient Events

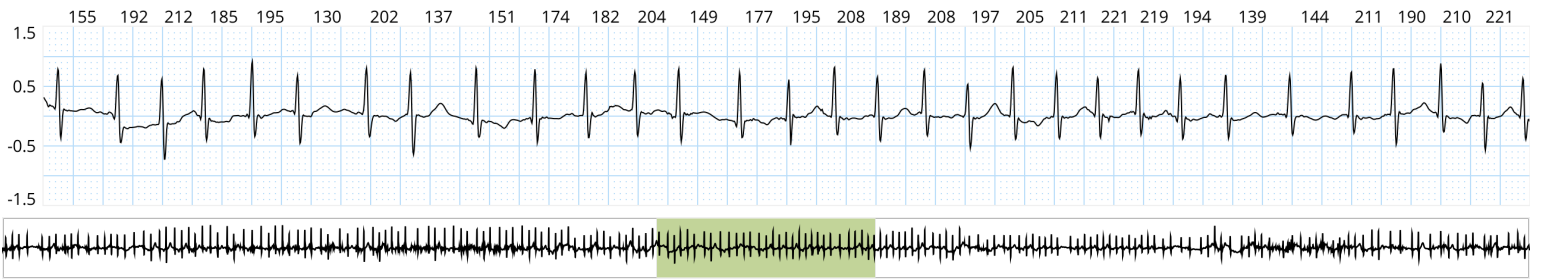


8. 01/29/21 03:23:51 pm

HR: 183bpm

Duration: 13d 23h

Episode Associated to Patient Events



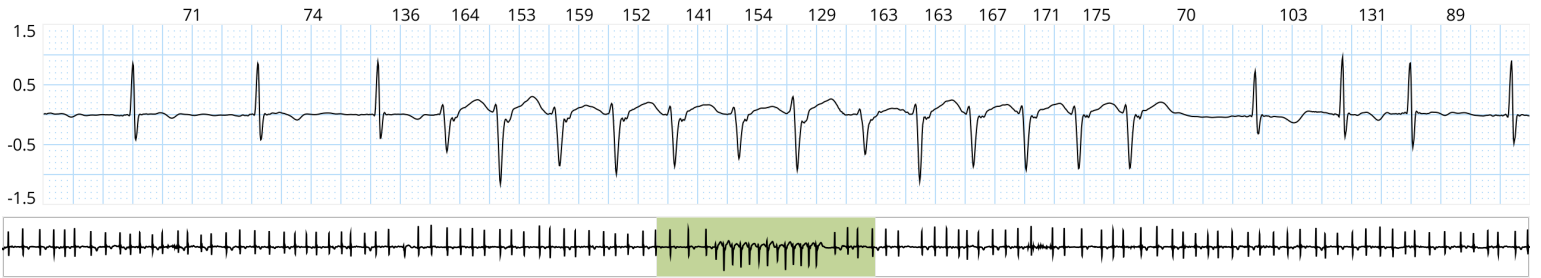
Comment: Fastest AFib

### VT

9. 02/03/21 07:56:26 pm

HR: 156bpm

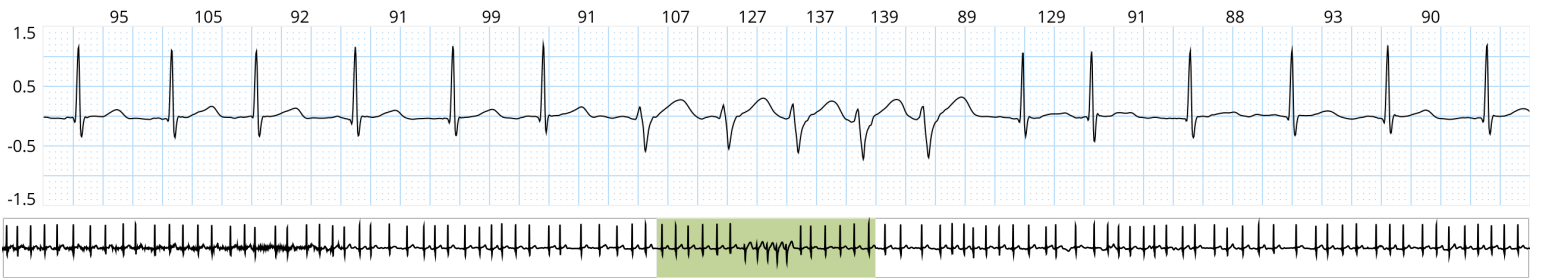
Duration: 13 beats



10. 02/07/21 01:02:27 pm

HR: 126bpm

Duration: 5 beats



### Patient Event

11. 02/01/21 06:25:27 am

Symptoms: Light Headedness & Dizziness/Near-syncope

Activity: --

Related Episode: Afib / Flutter

HR: 106bpm



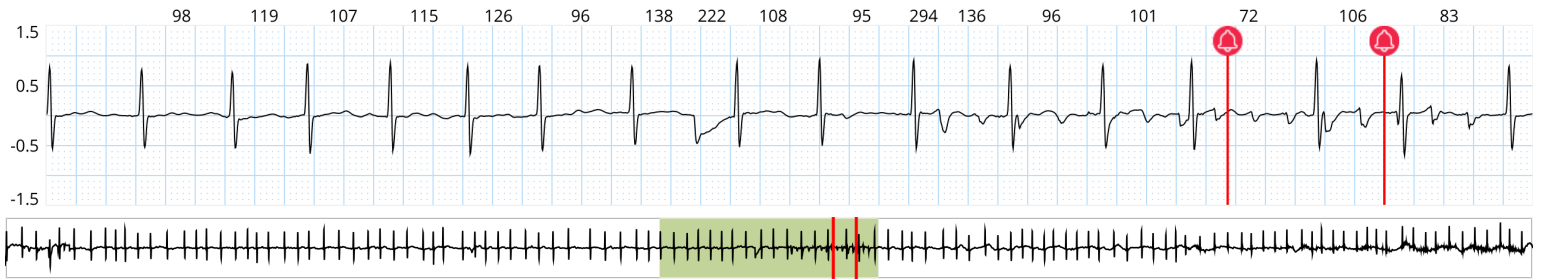
12. 02/01/21 06:25:28 am

Symptoms: Tired/Fatigue & Dizziness/Near-syncope

Activity: --

Related Episode: Afib / Flutter

HR: 104bpm



13. 02/02/21 02:07:14 am

Symptom: Rapid/Fast Heartbeat

Activity: --

Related Episode: Afib / Flutter

HR: 92bpm



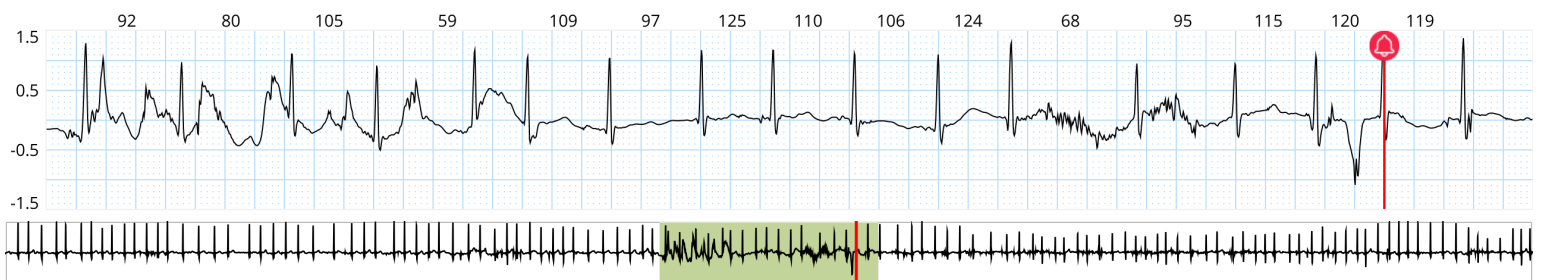
14. 02/03/21 11:26:04 pm

Symptoms: Shortness of Breath & Palpitations/Skipping

Activity: --

Related Episode: Afib / Flutter

HR: 103bpm



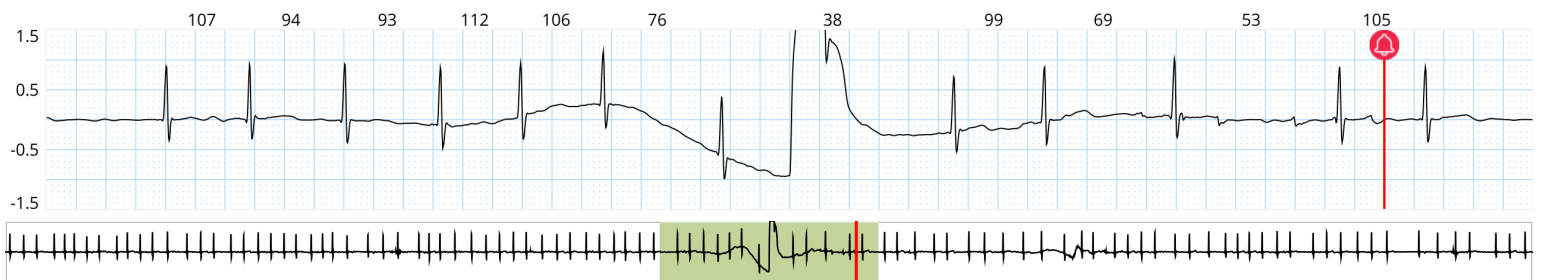
15. 02/05/21 03:31:25 am

Symptom: Tired/Fatigue

Activity: --

Related Episode: Afib / Flutter

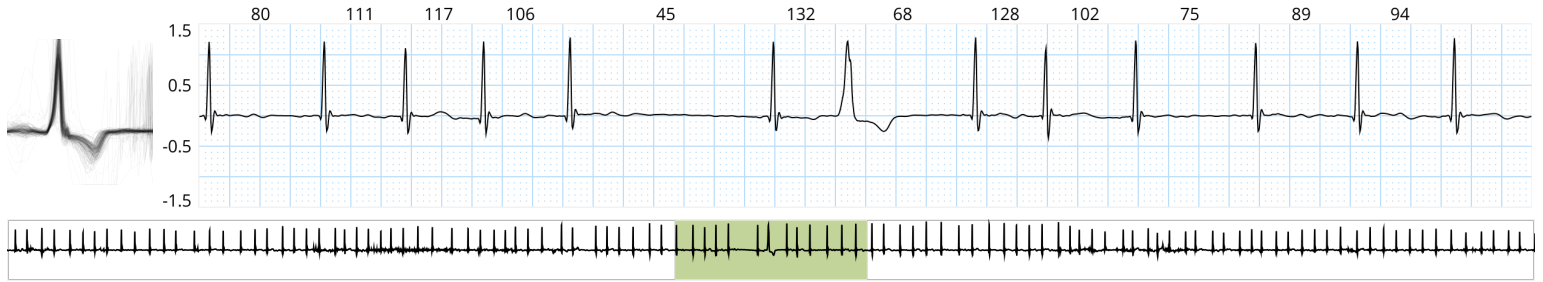
HR: 70bpm



## PVC

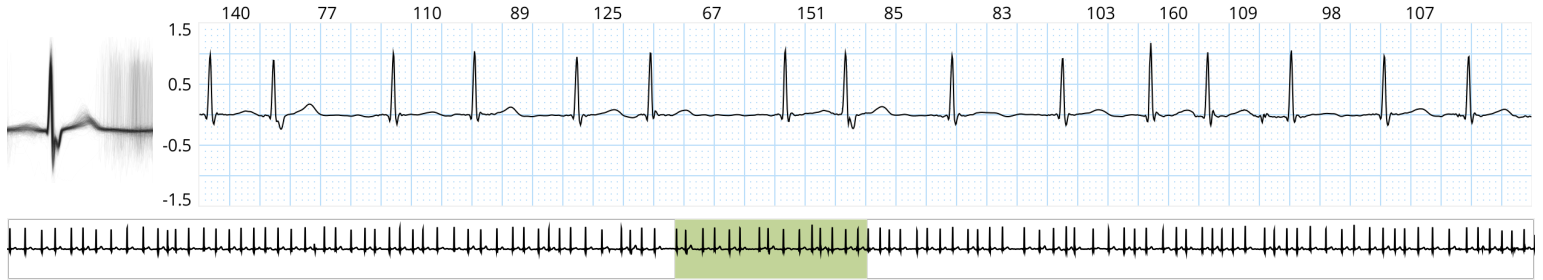
16. 01/27/21 05:08:32 am

Count in Morphology: 211



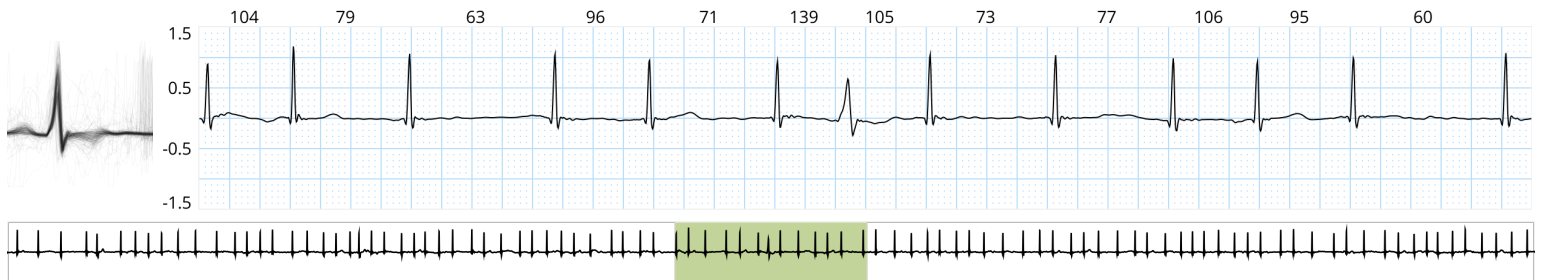
17. 01/27/21 06:48:49 am

Count in Morphology: 8,575



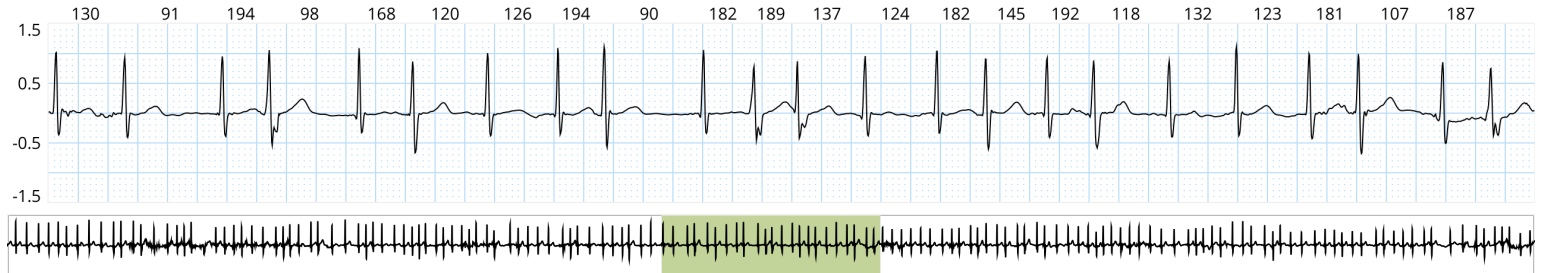
18. 02/02/21 07:44:56 am

Count in Morphology: 211



## Ventricular Couplet

19. 01/31/21 07:20:43 am



## Ventricular Bigeminy

20. 01/29/21 06:06:56 am

