

LATITUDE™ Patient Management - Combined Follow-up Report

Report Created: 01 Sep 2025



Date of Birth:

Device: **VISIONIST X4 CRT-P U228/**

Clinic: **CHU Haut Leveque Bordeaux HOPIT,**

Search Tags:

Latest Device Transmission: **13 Apr 2023 02:41 CEST**

Last Office Interrogation: **15 Jun 2022**

Implant Date: **31 Oct 2018**

Patient Group: **PATIENTS INACTIFS (Primary)**

My Alerts

12 Apr 2023 07:51  Nonsustained ventricular arrhythmia episode(s).

For Technical Support contact 1-800-CARDIAC (Americas) or your local Boston Scientific Representative.

Events Since Last Reset (31 Oct 2018)

13 Apr 2023 02:14 ATR at 185 min⁻¹, Avg V Rate in ATR: 0 min⁻¹
13 Apr 2023 02:13 ATR at 86 min⁻¹, Avg V Rate in ATR: 118 min⁻¹
See last page for full list of Events Since Last Reset.

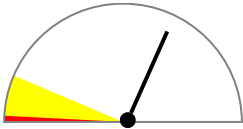
Battery OK

Approximate time to explant: **4.5 years** from 13 Apr 2023

Magnet Rate 100 min⁻¹

One Year Remaining

Explant



See last page for additional battery information.

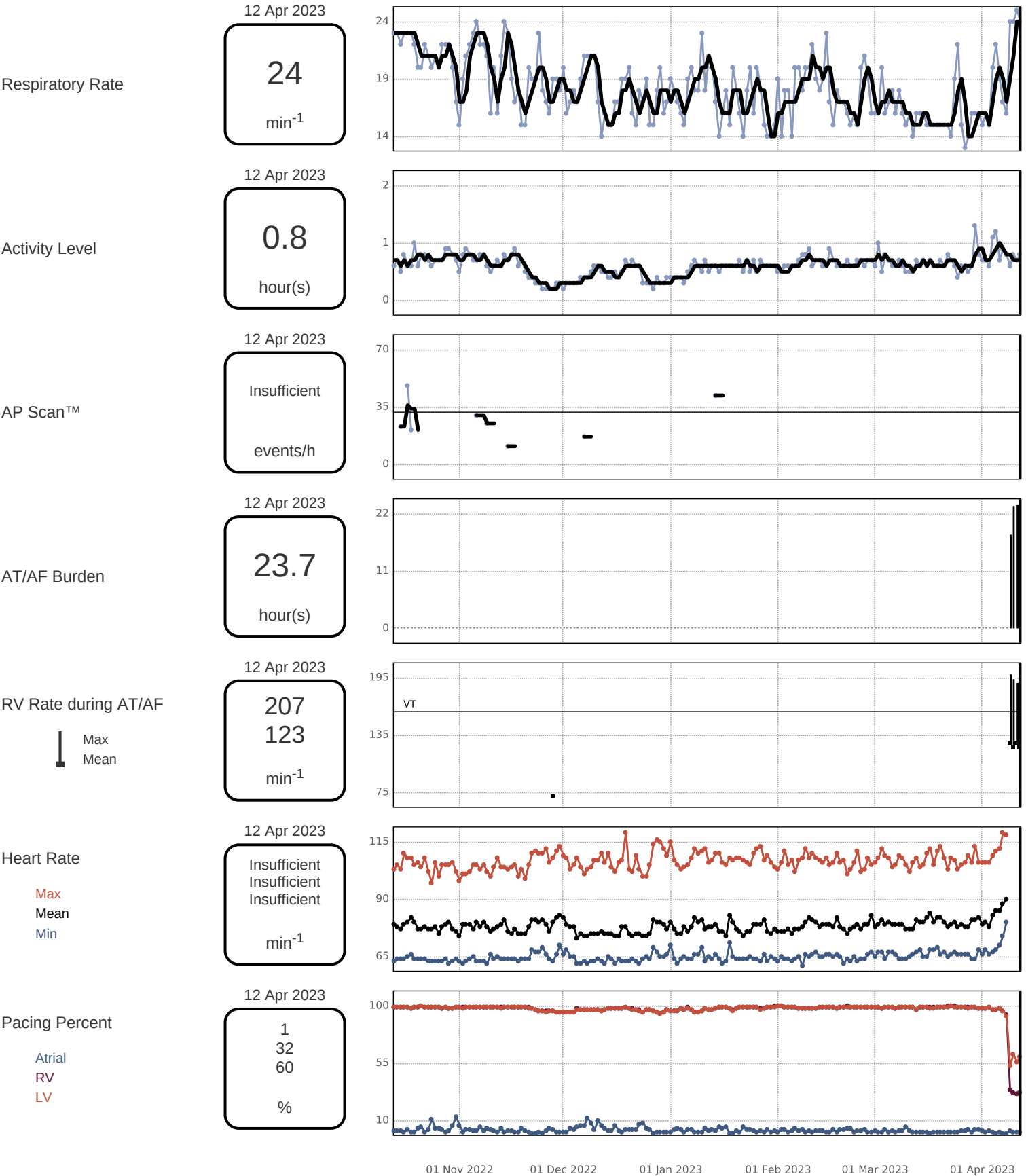
Leads	Implant (31 Oct 2018)	Most Recent In-Office Measurement (15 Jun 2022)	Most Recent Daily Measurement (12 Apr 2023)
Atrial			
Intrinsic Amplitude	4.0 mV	3.6 mV	0.7 mV (11 Apr 2023)
Pace Impedance	500 Ω	699 Ω (06 Dec 2021)	702 Ω (11 Apr 2023)
Pace Threshold	0.8 V @ 0.5 ms	0.9 V @ 0.4 ms	N/R
Right Ventricular			
Intrinsic Amplitude	20.0 mV	>25.0 mV	>25.0 mV (11 Apr 2023)
Pace Impedance	800 Ω	852 Ω (06 Dec 2021)	914 Ω (11 Apr 2023)
Pace Threshold	0.5 V @ 0.5 ms	0.8 V @ 0.4 ms	N/R (11 Apr 2023)
Left Ventricular			
Intrinsic Amplitude	N/R	16.5 mV	10.1 mV (11 Apr 2023)
Pace Impedance	N/R	991 Ω (06 Dec 2021)	747 Ω (11 Apr 2023)
Pace Threshold	N/R	1.4 V @ 0.4 ms	

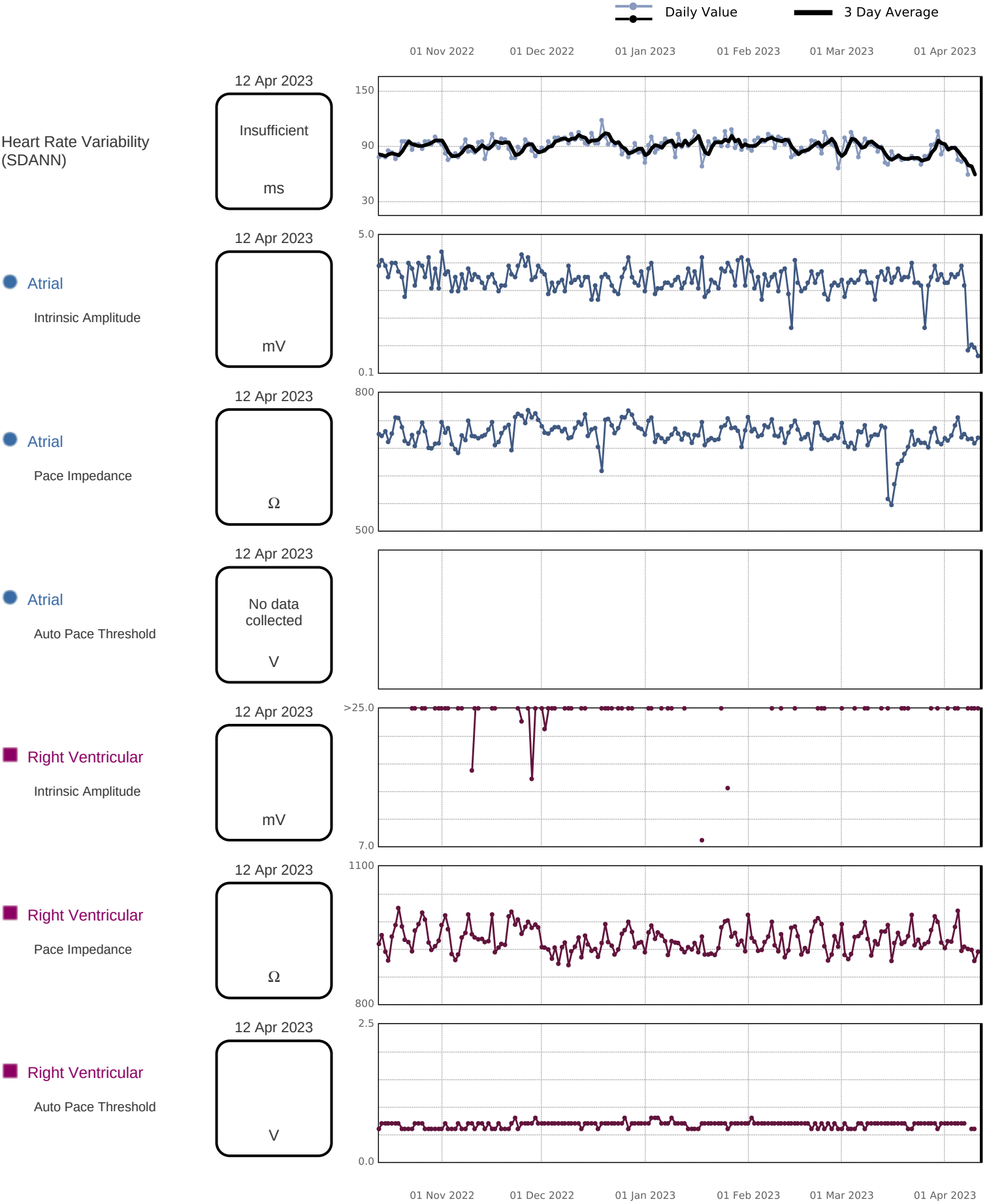
Settings

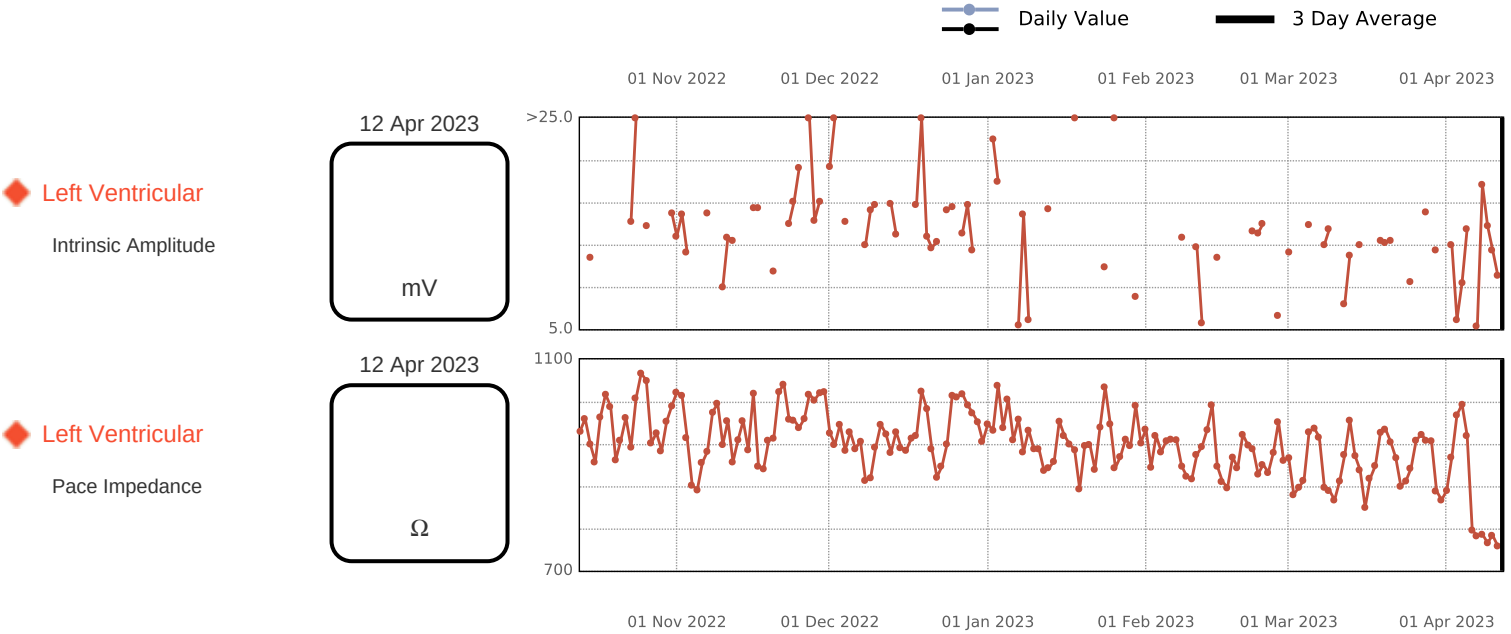
Ventricular Tachy				
Ventricular Tachy EGM Storage				On
Detection Rate				160 min ⁻¹ (375 ms)
Atrial Tachy				
ATR Mode Switch	170 min ⁻¹	DDI		
Brady/CRT				
Mode		DDD		
Lower Rate Limit		60 min ⁻¹		
Maximum Tracking Rate		150 min ⁻¹		
Paced AV Delay		100 - 130 ms		
Sensed AV Delay		75 - 100 ms		
A-Refractory (PVARP)		240 - 310 ms		
RV-Refractory (RVRP)		230 - 250 ms		
LV-Refractory (LVRP)		250 ms		
Ventricular Pacing Chamber		BiV		
LV Offset		0 ms		
			Pacing Output	
			● Atrial	2.0 V @ 0.4 ms
			■ Right Ventricular	Auto 2.0 V @ 0.4 ms
			◆ Left Ventricular	3.0 V @ 0.4 ms
			Sensitivity	
			● Atrial	Fixed 0.75 mV
			■ Right Ventricular	Fixed 2.5 mV
			◆ Left Ventricular	Fixed 2.5 mV
			Leads Configuration (Pace/Sense)	
			● Atrial	Bipolar
			■ Right Ventricular	Bipolar
			◆ Left Ventricular	LVRing2>>LVRing4/LVTip1>>LVRing2
			Rate Adaptive Pacing	
			Minute Ventilation	Passive
			Accelerometer	Passive

Trend Graphs

R = Counter Reset
P = Program
I = Office Interrogation







Ventricular Tachy Counters	Since Last Reset 31 Oct 2018	Device Totals
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Ventricular Episode Counters		
Total Episodes	165	165
⚠ VT Episodes (V>A)	2	2
SVT Episodes (V<=A)	0	0
⚠ NonsustainedV Episodes	163	163

Brady/CRT Counters	Reset Before Last 0 day(s) 31 Oct 2018 to 31 Oct 2018	Since Last Reset 1624 day(s) 31 Oct 2018 to 13 Apr 2023
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Counters		
% A Paced	15	5
% RV Paced	93	99
% LV Paced	92	99
Intrinsic Promotion		
Rate Hysteresis		
% Successful	0	0
Atrial Arrhythmia		
% AT/AF (One Year of Data)	N/R	1
Total Time in AT/AF (days) (One Year of Data)	N/R	3.7
Episodes by Duration		
< 1 minute	0	372
1 min - < 1 hr	0	577
1 hr - < 24 hr	0	9
24 hr - < 48 hr	0	0
> 48 hr	0	0
Total PACs	4	424243
Ventricular Counters		
Total PVCs	26	1437469
Three or More PVCs	1	1068

AT/AF Overview: Since Last Reset (31 Oct 2018 to 13 Apr 2023)

AT/AF (One Year of Data): 1 %	AT/AF Events: 958	
Total Time in AT/AF (days) (One Year of Data): 3.7		
Most Recent: 13 Apr 2023 02:13	Avg V Rate: 118 min ⁻¹	Duration: 00:01:06 hh:mm:ss
Longest: 11 Apr 2023 05:55	Avg V Rate: 126 min ⁻¹	Duration: 02:49:39 hh:mm:ss
Fastest RVS Rate: 12 Apr 2023 07:51	Max V Rate: 207 min ⁻¹	Duration: 00:00:22 hh:mm:ss

AT/AF Overview: Reset Before Last (31 Oct 2018 to 31 Oct 2018)

There are no ATR events to display.

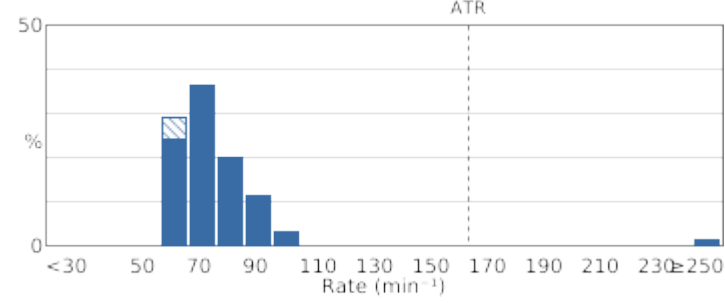
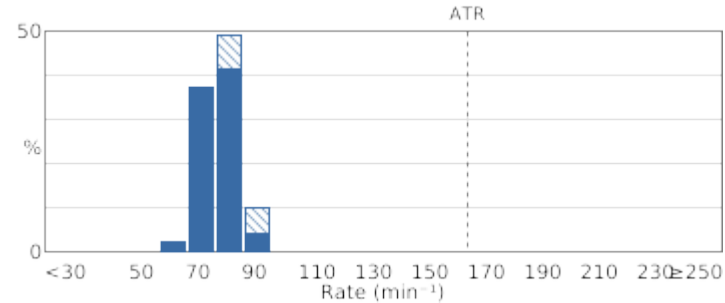
Histograms



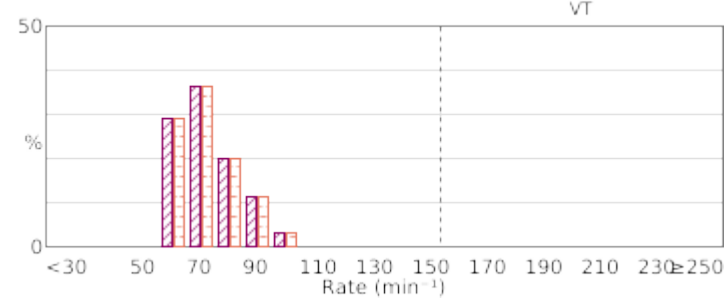
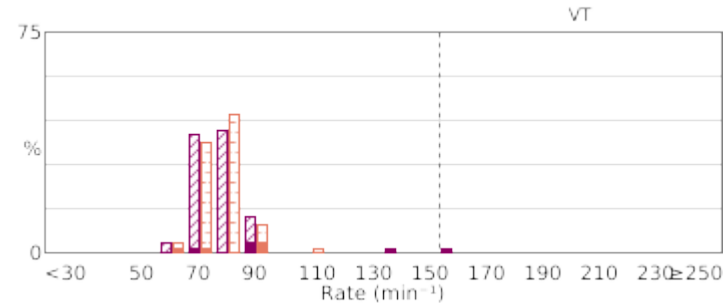
Reset Before Last
0 day(s)
31 Oct 2018 to 31 Oct 2018

Since Last Reset
1624 day(s)
31 Oct 2018 to 13 Apr 2023

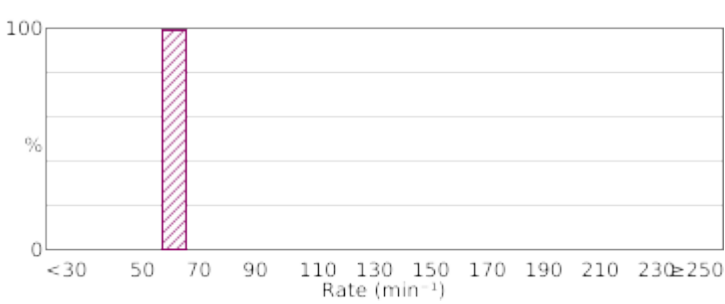
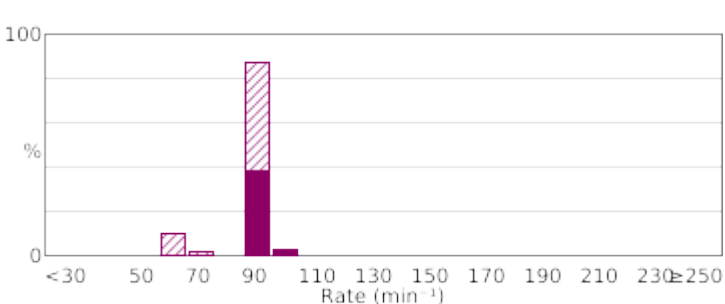
Atrial Activity



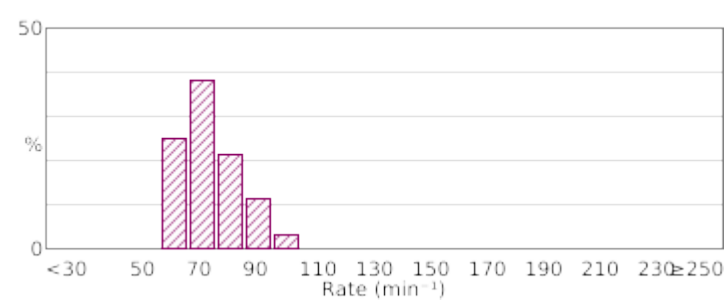
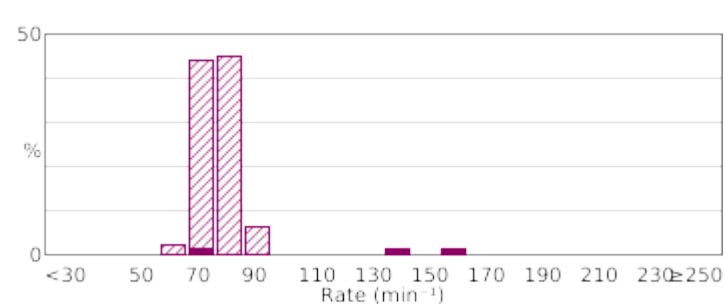
Ventricular Activity



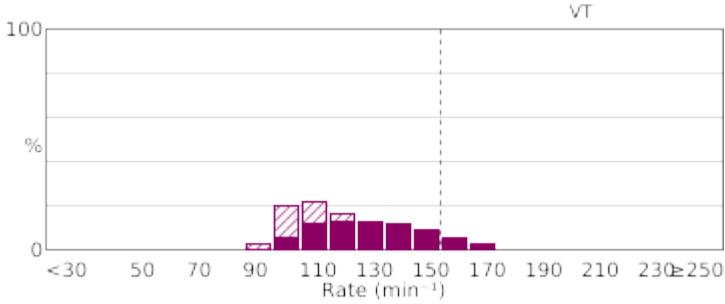
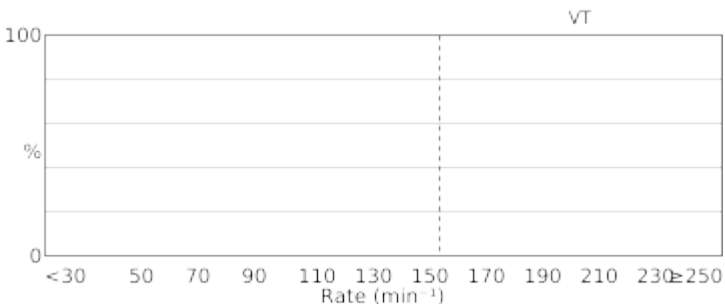
Ventricular Response to Atrial Pace



Ventricular Response to Atrial Sense



RV Rate during AT/AF



Histogram Rate Counts				
Atrial	Reset Before Last 0 day(s) 31 Oct 2018 to 31 Oct 2018		Since Last Reset 1624 day(s) 31 Oct 2018 to 13 Apr 2023	
	Rate (min ⁻¹)	Paced	Sensed	Paced
0-29	0	3	0	522
30-39	0	0	0	45.7K
40-49	0	1	0	188.8K
50-59	4	0	85.4K	38.9K
60-69	4	25	9.0M	41.7M
70-79	0	534	1.1K	63.1M
80-89	118	596	2.4K	35.0M
90-99	92	63	3.7K	19.4M
100-109	0	3	5.6K	5.1M
110-119	0	1	3.0K	455.5K
120-129	1	0	843	117.2K
130-139	0	0	174	96.8K
140-149	0	0	27	103.2K
150-159	0	0	0	77.5K
160-169	0	0	1	74.3K
170-179	0	0	0	77.1K
180-189	0	0	0	54.3K
190-199	0	1	0	37.7K
200-209	0	0	0	33.5K
210-219	0	0	0	23.4K
220-229	0	0	0	16.7K
230-239	0	1	0	8.9K
240-249	0	1	0	7.3K
>=250	0	0	0	913.8K

Right Ventricular	Reset Before Last 0 day(s) 31 Oct 2018 to 31 Oct 2018		Since Last Reset 1624 day(s) 31 Oct 2018 to 13 Apr 2023	
	Rate (min ⁻¹)	Paced	Sensed	Paced
0-29	0	0	0	0
30-39	0	0	0	0
40-49	0	0	0	0
50-59	0	0	45.8K	5
60-69	36	1	51.3M	9.7K
70-79	523	13	62.8M	37.6K
80-89	550	1	34.7M	200.1K
90-99	125	42	19.0M	588.2K
100-109	3	3	5.0M	719.4K
110-119	0	0	504.9K	437.4K
120-129	0	3	126.7K	186.6K
130-139	1	3	72.6K	130.5K
140-149	0	9	70.9K	92.5K
150-159	0	2	45.8K	77.7K
160-169	0	12	0	45.2K
170-179	0	0	0	15.0K
180-189	0	0	0	4.0K
190-199	0	0	0	1.2K
200-209	0	0	0	592
210-219	0	0	0	286
220-229	0	0	0	151
230-239	0	0	0	57
240-249	0	0	0	35
>=250	0	0	0	15

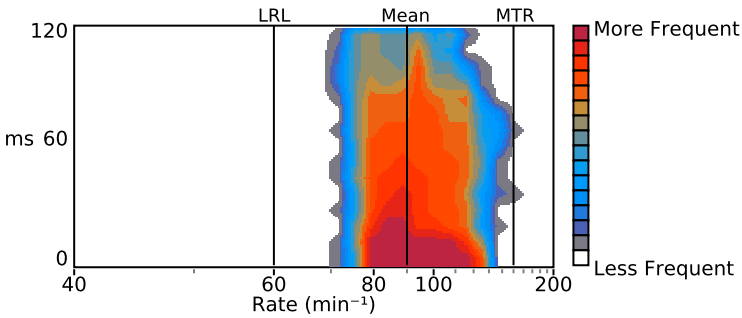
Reset Before Last 0 day(s)			Since Last Reset 1624 day(s)	
31 Oct 2018 to 31 Oct 2018			31 Oct 2018 to 13 Apr 2023	
Left Ventricular				
Rate (min ⁻¹)	Paced	Sensed	Paced	Sensed
0-29	0	0	0	2.2K
30-39	0	0	17	207
40-49	1	0	729	170
50-59	1	0	268.1K	7.2K
60-69	35	16	51.0M	38.5K
70-79	521	12	62.8M	136.7K
80-89	688	4	34.6M	260.8K
90-99	92	42	19.0M	408.7K
100-109	6	0	5.0M	691.4K
110-119	10	0	537.8K	413.6K
120-129	0	0	178.6K	134.4K
130-139	0	1	99.4K	86.0K
140-149	0	0	100.3K	54.5K
150-159	0	0	69.5K	51.0K
160-169	0	0	26.2K	32.6K
170-179	0	0	6.4K	12.0K
180-189	0	0	2	3.2K
190-199	0	0	0	837
200-209	0	0	0	312
210-219	0	0	0	42
220-229	0	0	0	4
230-239	0	0	0	1
240-249	0	0	0	0
>=250	0	0	1	0

Reset Before Last 0 day(s)			Since Last Reset 1624 day(s)	
31 Oct 2018 to 31 Oct 2018			31 Oct 2018 to 13 Apr 2023	
RV Rate during AT/AF				
Rate (min ⁻¹)	Paced	Sensed	Paced	Sensed
0-29	0	0	0	0
30-39	0	0	0	0
40-49	0	0	0	0
50-59	0	0	0	0
60-69	0	0	0	0
70-79	0	0	30	3
80-89	0	0	590	98
90-99	0	0	14.6K	2.8K
100-109	0	0	109.8K	34.2K
110-119	0	0	78.0K	78.8K
120-129	0	0	30.4K	92.1K
130-139	0	0	3.5K	91.3K
140-149	0	0	215	84.1K
150-159	0	0	17	70.5K
160-169	0	0	0	40.1K
170-179	0	0	0	12.6K
180-189	0	0	0	3.2K
190-199	0	0	0	1.1K
200-209	0	0	0	544
210-219	0	0	0	270
220-229	0	0	0	139
230-239	0	0	0	53
240-249	0	0	0	33
>=250	0	0	0	13

Heart Rate Variability

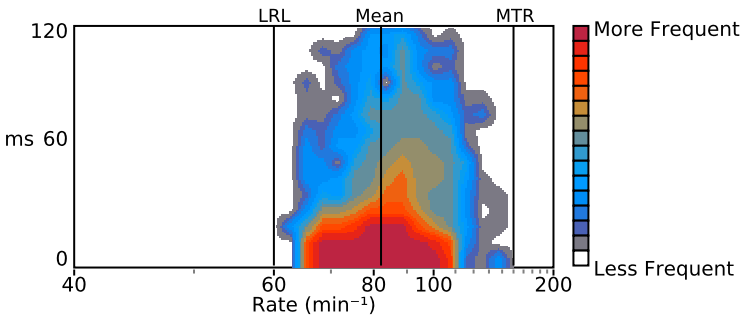
Last measured for 24-hr period ending 08 Apr 2023 14:59

% of Time Used	70
Footprint	30 %
SDANN	59 ms
Mode	DDD
Sensed AV Delay	75 - 100 ms
Ventricular Pacing Chamber	BiV
LV Offset	0 ms



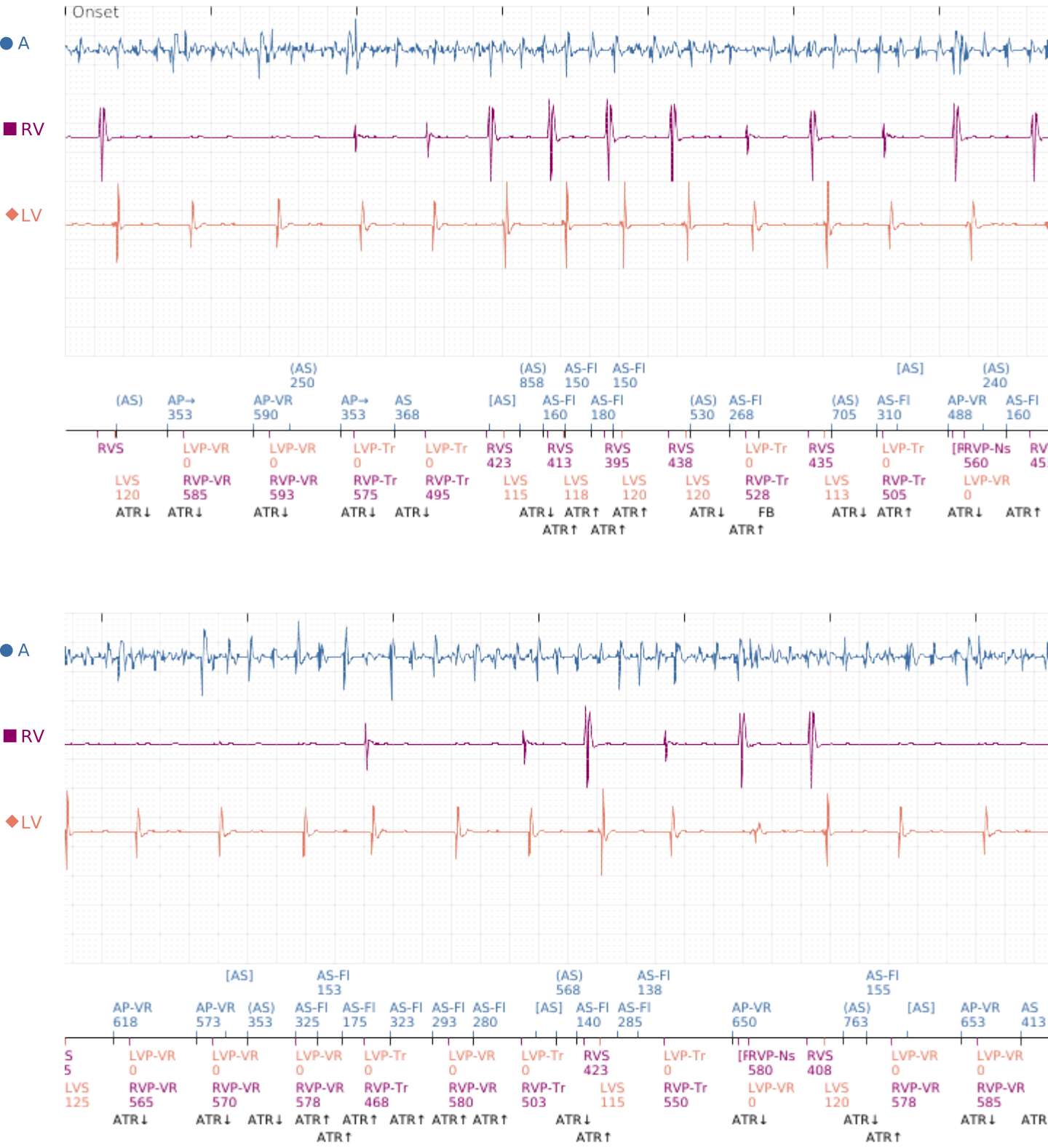
Reference: 24-hr period ending 11 Nov 2018 14:10

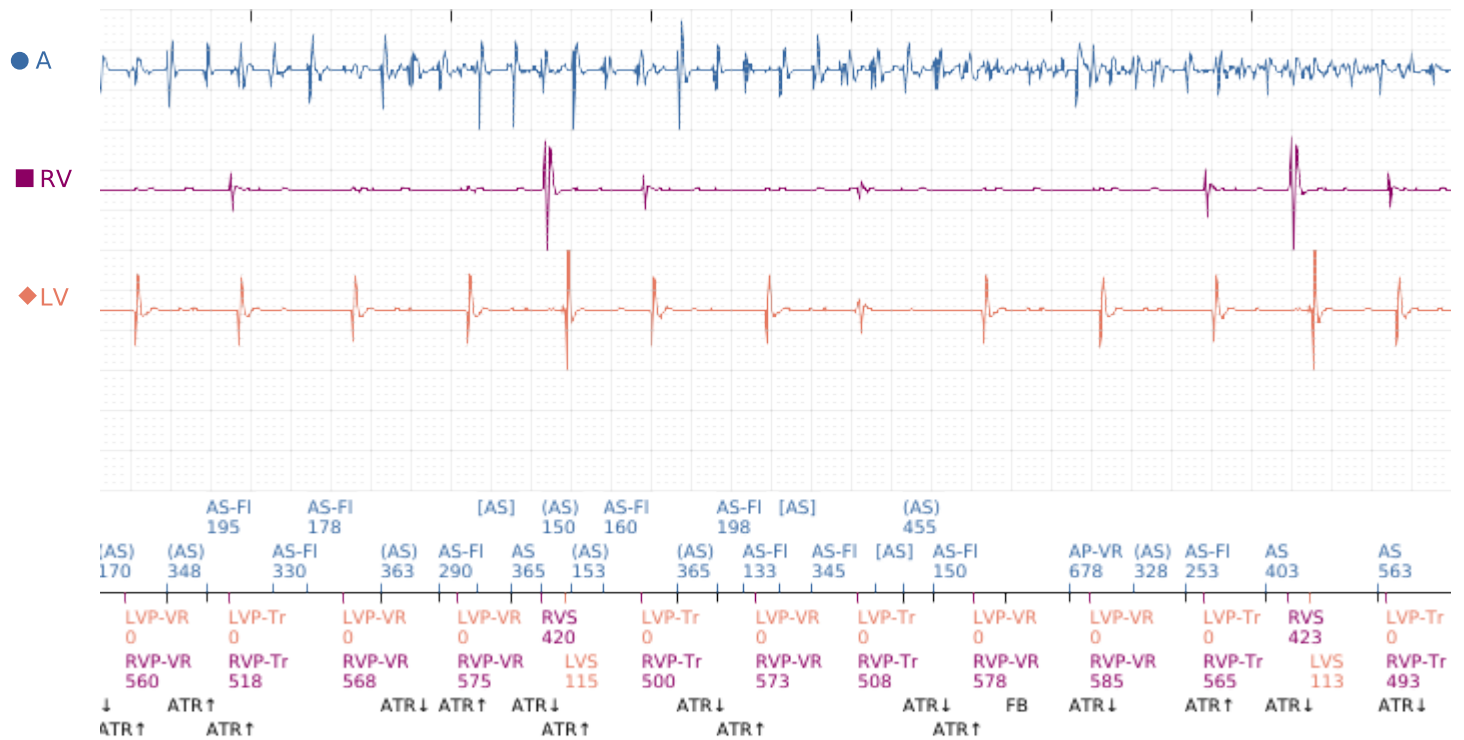
% of Time Used	91
Footprint	33 %
SDANN	62 ms
Mode	DDD
Sensed AV Delay	75 - 100 ms
Ventricular Pacing Chamber	BiV
LV Offset	0 ms

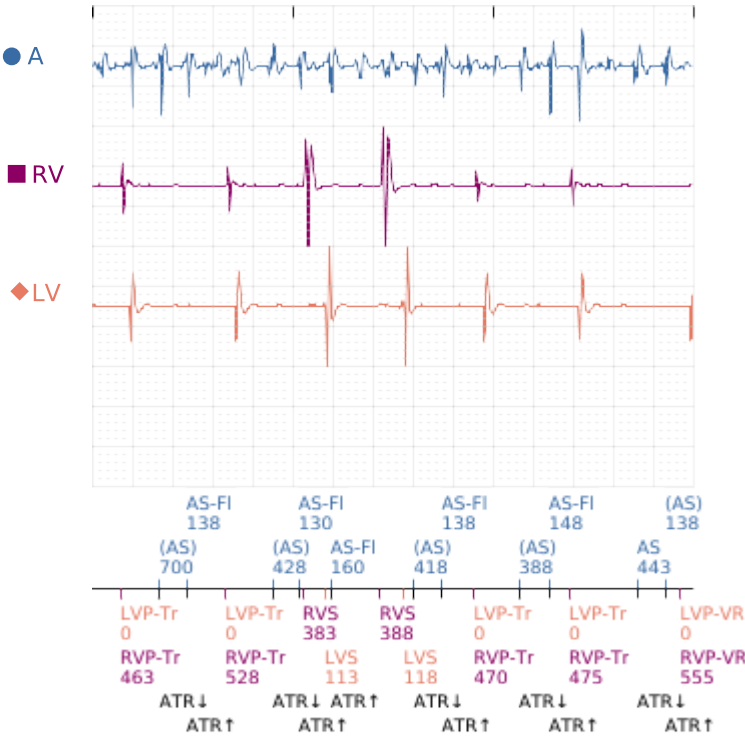


Presenting EGM (13 Apr 2023)

EGM displayed at 25mm per second







All Events Since Last Reset (31 Oct 2018)

13 Apr 2023 02:14	ATR at 185 min ⁻¹ , Avg V Rate in ATR: 0 min ⁻¹
13 Apr 2023 02:13	ATR at 86 min ⁻¹ , Avg V Rate in ATR: 118 min ⁻¹
13 Apr 2023 02:12	ATR at 323 min ⁻¹ , Avg V Rate in ATR: 117 min ⁻¹
13 Apr 2023 02:05	ATR at 208 min ⁻¹ , Avg V Rate in ATR: 119 min ⁻¹
13 Apr 2023 02:03	ATR at 359 min ⁻¹ , Avg V Rate in ATR: 117 min ⁻¹
13 Apr 2023 01:57	ATR at 353 min ⁻¹ , Avg V Rate in ATR: 117 min ⁻¹
13 Apr 2023 01:55	ATR at 274 min ⁻¹ , Avg V Rate in ATR: 117 min ⁻¹
13 Apr 2023 01:53	ATR at 323 min ⁻¹ , Avg V Rate in ATR: 118 min ⁻¹
13 Apr 2023 01:50	ATR at 286 min ⁻¹ , Avg V Rate in ATR: 116 min ⁻¹
13 Apr 2023 01:46	ATR at 387 min ⁻¹ , Avg V Rate in ATR: 118 min ⁻¹
12 Apr 2023 18:46	NonSustV at 167 min ⁻¹
12 Apr 2023 11:40	NonSustV at 151 min ⁻¹
12 Apr 2023 11:39	NonSustV at 164 min ⁻¹
12 Apr 2023 11:26	NonSustV at 157 min ⁻¹
12 Apr 2023 09:27	NonSustV at 164 min ⁻¹
12 Apr 2023 07:54	NonSustV at 173 min ⁻¹
12 Apr 2023 07:53	NonSustV at 173 min ⁻¹
12 Apr 2023 07:52	NonSustV at 153 min ⁻¹
12 Apr 2023 07:51	NonSustV at 166 min ⁻¹
12 Apr 2023 07:51	NonSustV at 157 min ⁻¹
10 Apr 2023 21:51	RV Auto
09 Apr 2023 23:51	RV Auto
08 Apr 2023 18:57	⚠ VT (V>A) at 168 min ⁻¹
08 Apr 2023 18:51	⚠ VT (V>A) at 172 min ⁻¹
08 Apr 2023 05:53	RV Auto
26 Mar 2023 23:54	RV Auto
30 Jan 2023 20:54	RV Auto
Total Events: 2 VT (V>A), 163 NonSustV, 958 ATR	

Battery (Continued)

Time Since Implant	54 months
Charge Remaining	1.06 ampere-hours
Power Consumption	62 µW
(Measured with programmed parameters)	
This device is using 116% of the power it would use at the following parameters:	
A	15% pacing, 70 min ⁻¹ , 2.5 V, 0.4 ms, 500 Ω
RV	100% pacing, 70 min ⁻¹ , 2.5 V, 0.4 ms, 500 Ω
LV	100% pacing, 70 min ⁻¹ , 3.5 V, 0.4 ms, 700 Ω