

Settings

Ventricular Tachy					
VF	250 min ⁻¹		ATP		41 J, 41 J, 41 Jx6
VT	185 min ⁻¹		Burst	ATP2 Off	41 J, 41 J, 41 Jx4
Atrial Tachy				Pacing Output	
ATR Mode Switch	170 min ⁻¹	DDI	 Atrial		Trend 2.5 V @ 0.4 ms
Brady/CRT			 Right Ventricular		Trend 2.5 V @ 0.4 ms
Mode		DDD	 Left Ventricular (LVa)		Trend 4.0 V @ 0.4 ms
Lower Rate Limit		50 min ⁻¹	 Left Ventricular (LVb)		Off
Maximum Tracking Rate		130 min ⁻¹	Sensitivity		
Paced AV Delay		150 - 150 ms	 Atrial		AGC 0.25 mV
Sensed AV Delay		120 - 120 ms	 Right Ventricular		AGC 0.6 mV
A-Refractory (PVARP)		240 - 280 ms	 Left Ventricular		AGC 1.0 mV
RV-Refractory (RVRP)		230 - 250 ms	Leads Configuration (Pace/Sense)		
LV-Refractory (LVRP)		250 ms	 Atrial		Bipolar
Ventricular Pacing Chamber		BiV	 Right Ventricular		Bipolar
LV Offset		0 ms	 LVa (Pace)		LVRing2>>RV
			 LVb (Pace)		Off
			 LV (Sense)		LVTip1>>LVRing2
			Rate Adaptive Pacing		
			Minute Ventilation		Passive
			Accelerometer		Passive
			LV MultiSite Pacing		
			Pacing Order		Off

All Events Since Last Reset (28 Jan 2021)

20 Nov 2025 00:41	RV Auto
19 Nov 2025 23:46	RA Auto
19 Nov 2025 23:44	LV Auto
19 Nov 2025 03:16	ATR at 122 min ⁻¹ , Avg V Rate in ATR: 86 min ⁻¹
19 Nov 2025 03:16	PMT at 130 min ⁻¹
19 Nov 2025 03:16	PMT at 130 min ⁻¹
15 Nov 2025 15:41	RA Auto
15 Nov 2025 14:42	RV Auto
15 Nov 2025 14:41	LV Auto
15 Nov 2025 09:25	ATR at 126 min ⁻¹ , Avg V Rate in ATR: 98 min ⁻¹
11 Nov 2025 01:18	PMT at 130 min ⁻¹
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05 Nov 2025 15:34	ATR at 138 min ⁻¹ , Avg V Rate in ATR: 80 min ⁻¹
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13 Oct 2025 08:46	RA Auto
13 Oct 2025 08:45	RV Auto
13 Oct 2025 08:44	LV Auto
12 Oct 2025 13:55	ATR at 88 min ⁻¹ , Avg V Rate in ATR: 92 min ⁻¹
11 Oct 2025 14:45	RA Auto
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11 Oct 2025 14:43	LV Auto
11 Oct 2025 12:17	ATR at 115 min ⁻¹ , Avg V Rate in ATR: 94 min ⁻¹
28 Sep 2025 01:45	ATR at 230 min ⁻¹ , Avg V Rate in ATR: 119 min ⁻¹
28 Sep 2025 01:44	ATR at 220 min ⁻¹ , Avg V Rate in ATR: 96 min ⁻¹
26 Sep 2025 06:21	ATR at 212 min ⁻¹ , Avg V Rate in ATR: 117 min ⁻¹
25 Sep 2025 17:44	ATR at 58 min ⁻¹ , Avg V Rate in ATR: 71 min ⁻¹
17 Sep 2025 09:43	NonSustV at 207 min ⁻¹ , Nonsustained
16 Sep 2025 14:50	NonSustV at 216 min ⁻¹ , Nonsustained
11 Sep 2025 09:52	NonSustV at 188 min ⁻¹ , Nonsustained
10 Sep 2025 10:15	NonSustV at 192 min ⁻¹ , Nonsustained
29 Jun 2025 09:10	NonSustV at 192 min ⁻¹ , Nonsustained
27 May 2025 18:47	NonSustV at 224 min ⁻¹ , Nonsustained
26 May 2025 12:35	NonSustV at 214 min ⁻¹ , Nonsustained
26 May 2025 11:45	NonSustV at 192 min ⁻¹ , Nonsustained
26 May 2025 11:05	NonSustV at 195 min ⁻¹ , Nonsustained
25 May 2025 09:56	NonSustV at 195 min ⁻¹ , Nonsustained
25 May 2025 09:24	VT at 209 min ⁻¹ , No Therapy
25 May 2025 09:22	VT at 203 min ⁻¹ , No Therapy
Total Events: 79 NonSustV, 2 Other Untreated, 269 ATR	

LATITUDE™ Patient Management - Combined Follow-up Report

Report Created: 24 Nov 2025



909

Date of Birth:

Device: **RESONATE X4 CRT-D**
G447/230953
Clinic: **CHU Haut Leveque Bordeaux HOPIT**
Search Tags:
Tachy Mode: **Monitor + Therapy**

Latest Device Transmission: **20 Nov 2025 00:52 CET**
Last Office Interrogation: **24 Jul 2024**
Implant Date: **02 Nov 2020**
Patient Group: **TACHY_CHU de Bordeaux (Primary)**
Age, Gender: **78,**

My Alerts

19 Nov 2025 12:37



Atrial Arrhythmia Burden of at least > 0 hours in a 24 hour period.

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

Events Since Last Reset (28 Jan 2021)

20 Nov 2025 00:41

RV Auto

19 Nov 2025 23:46

RA Auto

See last page for full list of Events Since Last Reset.

Battery OK

Approximate time to explant: **4 years** from 20 Nov 2025

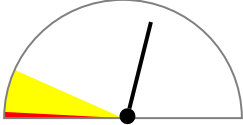
Last Capacitor Re-form Charge Time

15 Oct 2025 12:39

10.7 s

One Year Remaining

Explant



See last page for additional battery information.

Leads	Implant (02 Nov 2020)	Most Recent In-Office Measurement (24 Jul 2024)	Most Recent Daily Measurement (19 Nov 2025)
Atrial			
Intrinsic Amplitude	N/R	4.4 mV	2.6 mV
Pace Impedance	N/R	628 Ω	557 Ω
Pace Threshold	N/R	0.3 V @ 0.4 ms	0.5 V @ 0.4 ms
Right Ventricular			
Intrinsic Amplitude	N/R	8.7 mV	N/R
Pace Impedance	N/R	812 Ω	671 Ω
Pace Threshold	N/R	0.4 V @ 0.4 ms	0.5 V @ 0.4 ms
Left Ventricular			
Intrinsic Amplitude	N/R	>25.0 mV	N/R
Pace Impedance (LVa)	N/R	798 Ω	555 Ω
Pace Impedance (LVb)		828 Ω	
Pace Threshold	N/R	2.7 V @ 0.4 ms	3.0 V @ 0.4 ms
Shock			
Shock Impedance	N/R	89 Ω	78 Ω

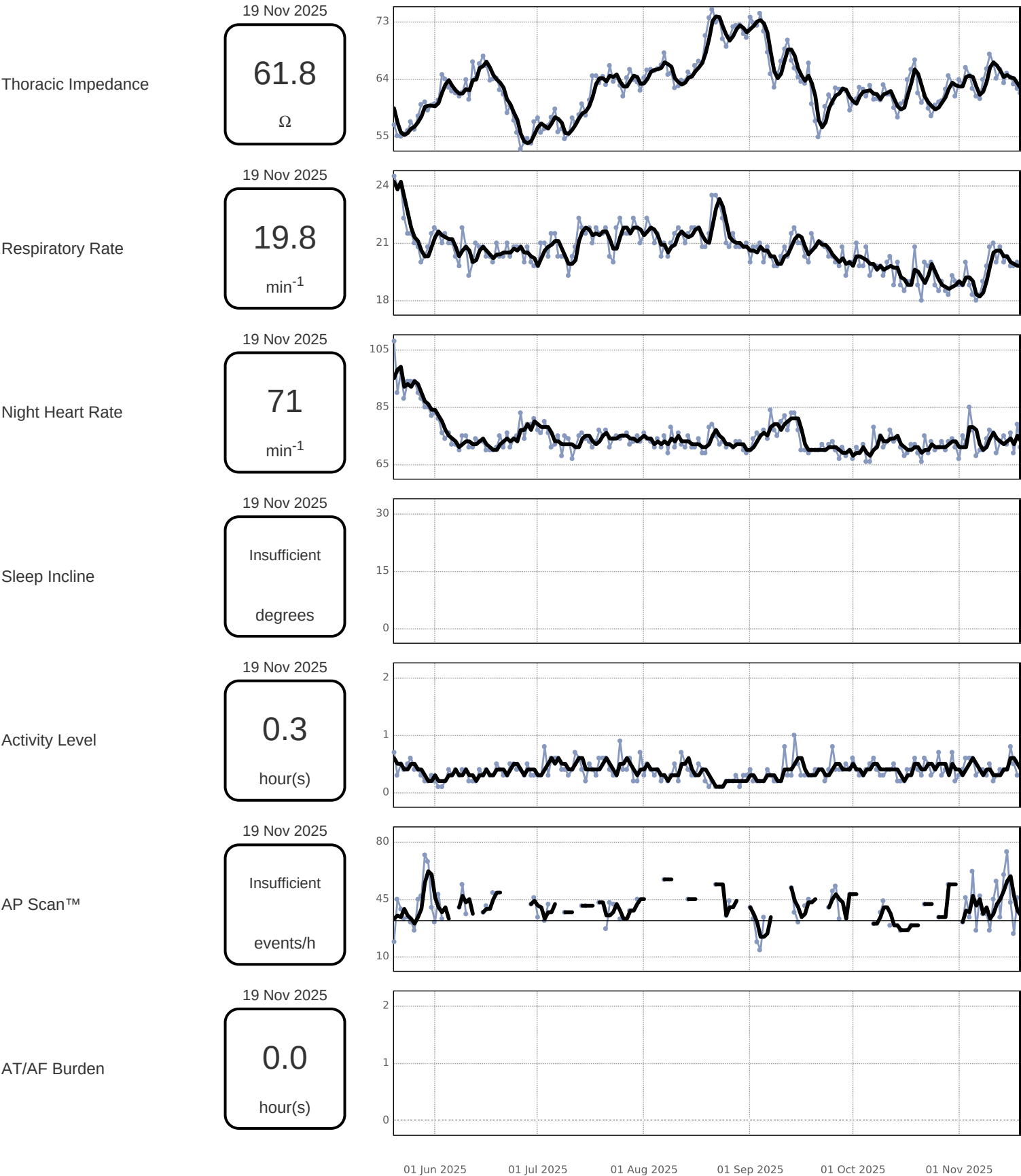
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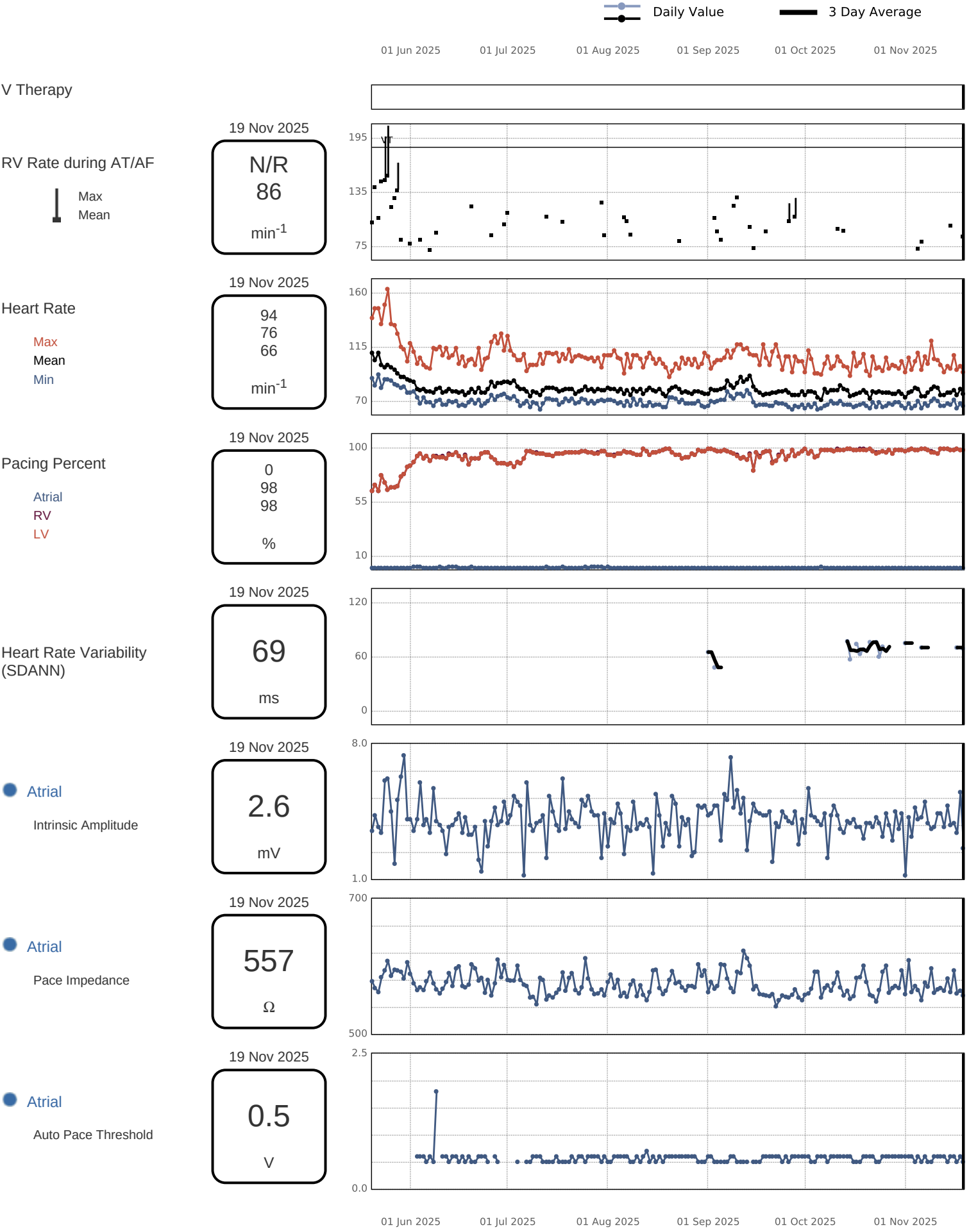
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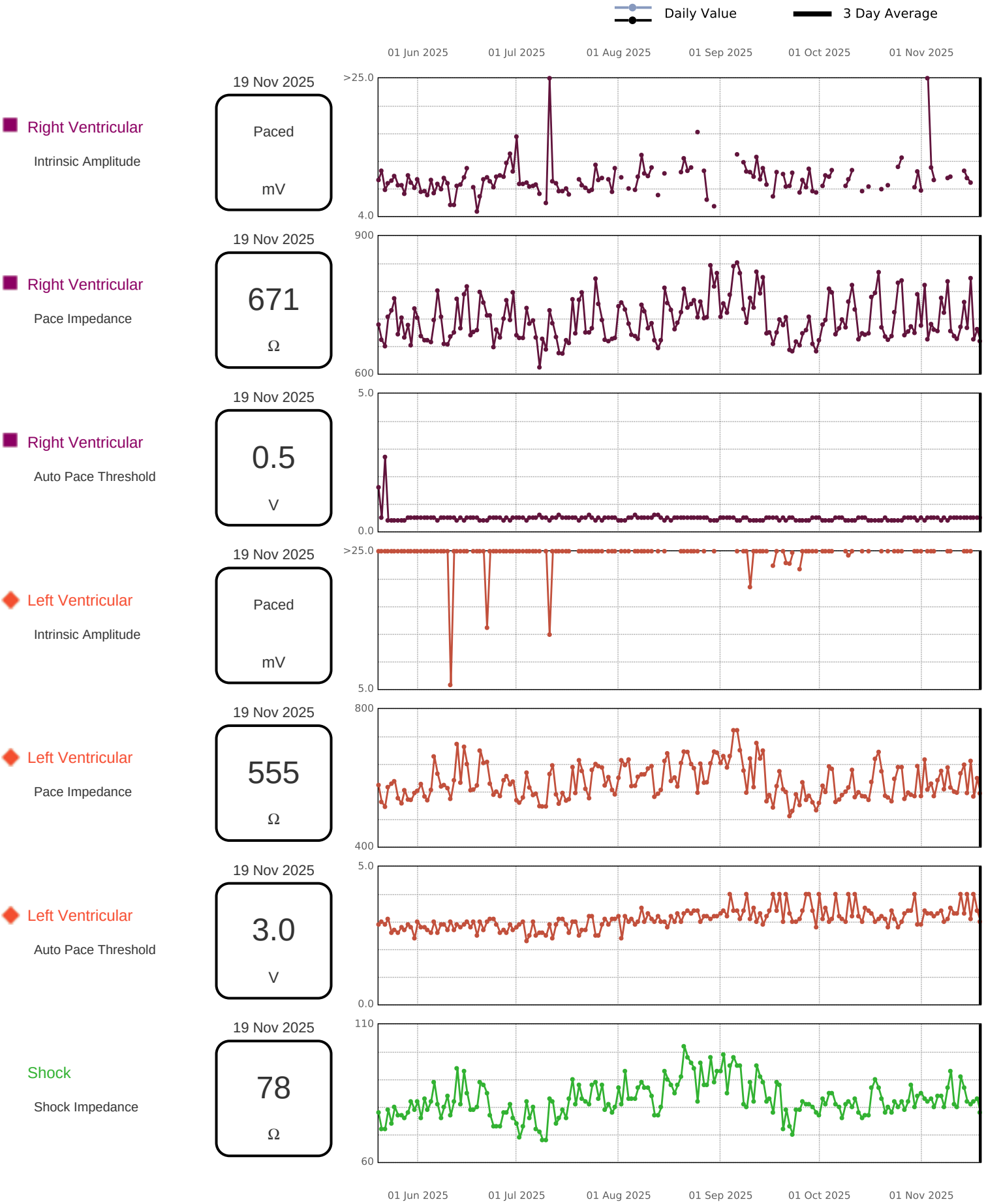
Settings					
Ventricular Tachy					
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Atrial Tachy			Pacing Output		
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Maximum Tracking Rate		130 min ⁻¹	Sensitivity		
Paced AV Delay		150 - 150 ms	 Atrial		AGC 0.25 mV
Sensed AV Delay		120 - 120 ms	 Right Ventricular		AGC 0.6 mV
A-Refractory (PVARP)		240 - 280 ms	 Left Ventricular		AGC 1.0 mV
RV-Refractory (RVRP)		230 - 250 ms	Leads Configuration (Pace/Sense)		
LV-Refractory (LVRP)		250 ms	 Atrial		Bipolar
Ventricular Pacing Chamber		BiV	 Right Ventricular		Bipolar
LV Offset		0 ms	 LVa (Pace)		LVRing2>>RV
			 LVb (Pace)		Off
			 LV (Sense)		LVTip1>>LVRing2
			Rate Adaptive Pacing		
			Minute Ventilation		Passive
			Accelerometer		Passive
			LV MultiSite Pacing		
			Pacing Order		Off
Rhythm ID Update					
Last Successful Completion					N/R

Trend Graphs

R = Counter Reset
P = Program
I = Office Interrogation







Ventricular Tachy Counters	Since Last Reset 28 Jan 2021	Device Totals
Ventricular Episode Counters		
Total Episodes	81	81
Treated		
VF Therapy	0	0
VT Therapy	0	0
VT-1 Therapy	0	0
Commanded Therapy	0	0
Non-Treated		
No Therapy Programmed	0	0
 NonsustainedV Episodes	79	79
Other Untreated Episodes	2	2
Ventricular Therapy Counters		
ATP Delivered	0	0
ATP % Successful	0	0
Shocks Delivered	0	0
First Shock % Successful	0	0
Shocks Diverted	0	0

Brady/CRT Counters	Reset Before Last 86 day(s) 02 Nov 2020 to 28 Jan 2021	Since Last Reset 1756 day(s) 28 Jan 2021 to 20 Nov 2025
Counters		
% A Paced	1	3
% RV Paced	100	98
% LVa Paced	100	97
% LVb Paced	0	0
Intrinsic Promotion		
Rate Hysteresis		
% Successful	0	0
Atrial Arrhythmia		
% AT/AF (One Year of Data)	N/R	<1
Total Time in AT/AF (min) (One Year of Data)	N/R	5.5
Episodes by Duration		
< 1 minute	0	265
1 min - < 1 hr	0	2
1 hr - < 24 hr	0	2
24 hr - < 48 hr	0	0
> 48 hr	0	0
Total PACs	47278	16847156
Ventricular Counters		
Total PVCs	4874	1079827
Three or More PVCs	1	3

Clinical Counters	Since Last Reset 28 Jan 2021	Device Totals
MRI Protection Mode	0	0

AT/AF Overview: Since Last Reset (28 Jan 2021 to 20 Nov 2025)		
AT/AF (One Year of Data): <1 %	AT/AF Events: 269	
Total Time in AT/AF (min) (One Year of Data): 5.5		
Most Recent: 19 Nov 2025 03:16	Avg V Rate: 86 min ⁻¹	Duration: 00:00:03 hh:mm:ss
Longest: 08 Feb 2024 21:11	Avg V Rate: 143 min ⁻¹	Duration: 02:20:50 hh:mm:ss
Fastest RVS Rate: 08 Feb 2024 19:32	Max V Rate: 228 min ⁻¹	Duration: 01:34:17 hh:mm:ss

AT/AF Overview: Reset Before Last (02 Nov 2020 to 28 Jan 2021)		
There are no ATR events to display.		

Histograms



Reset Before Last

86 day(s)

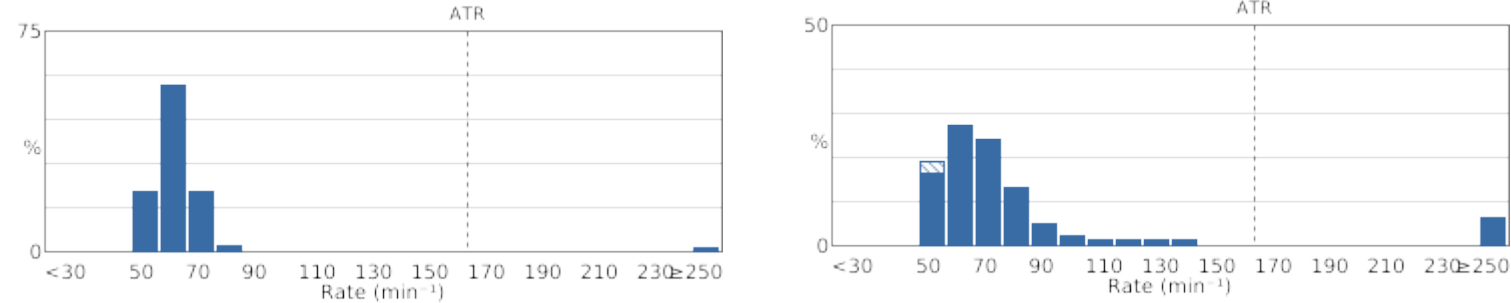
02 Nov 2020 to 28 Jan 2021

Since Last Reset

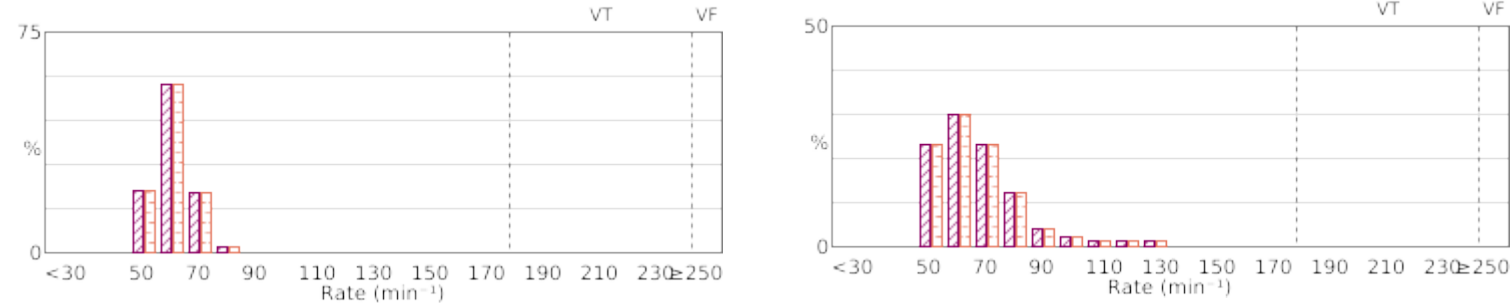
1756 day(s)

28 Jan 2021 to 20 Nov 2025

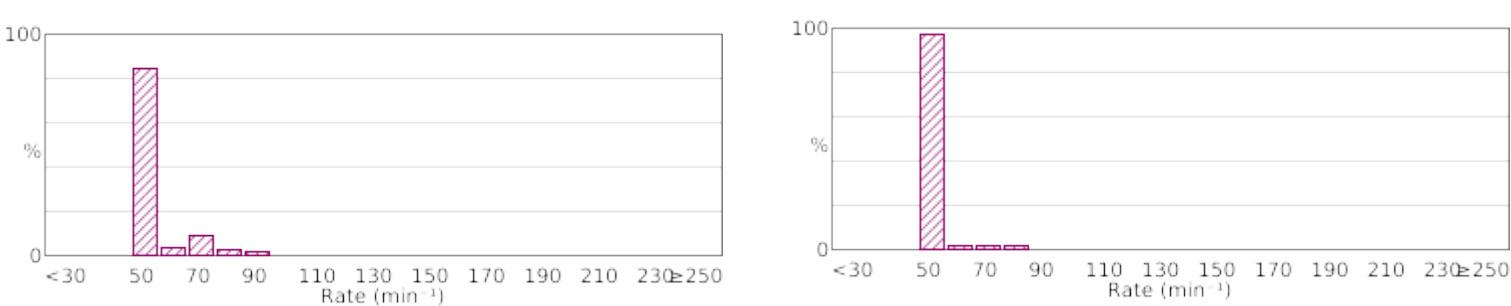
Atrial Activity



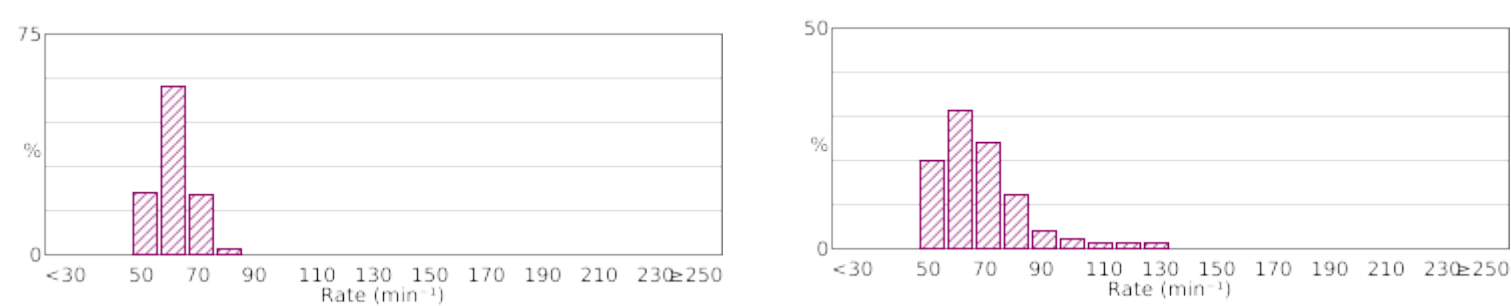
Ventricular Activity



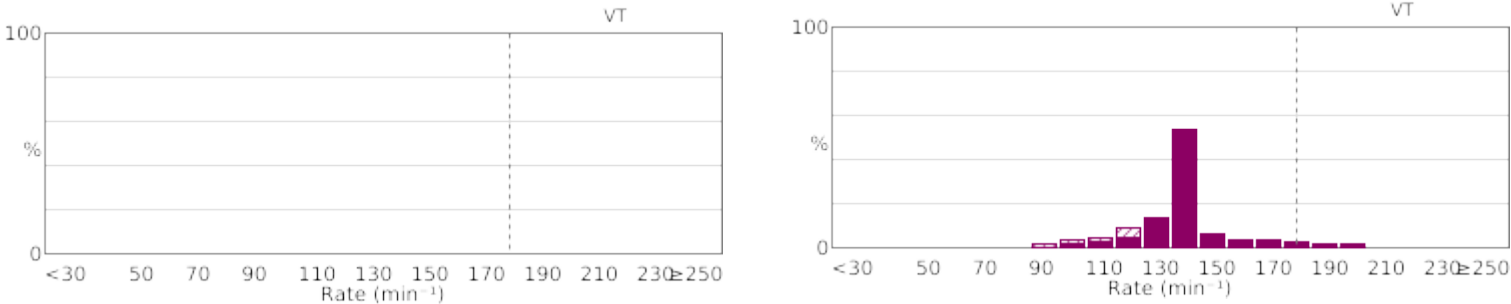
Ventricular Response to Atrial Pace



Ventricular Response to Atrial Sense



RV Rate during AT/AF



Histogram Rate Counts

Atrial	Reset Before Last 86 day(s) 02 Nov 2020 to 28 Jan 2021		Since Last Reset 1756 day(s) 28 Jan 2021 to 20 Nov 2025	
	Paced	Sensed	Paced	Sensed
Rate (min ⁻¹)				
0-29	0	2	0	30
30-39	0	43	0	1.5K
40-49	36	28	4.9K	3.6K
50-59	38.0K	1.6M	5.0M	29.8M
60-69	1.6K	4.5M	31.9K	49.0M
70-79	4.1K	1.6M	41.1K	44.8M
80-89	1.1K	186.2K	35.7K	24.9M
90-99	570	21.8K	25.5K	8.9M
100-109	70	11.6K	13.7K	3.4M
110-119	0	6.1K	3.5K	1.9M
120-129	0	1.7K	1.3K	1.5M
130-139	0	623	242	1.2M
140-149	0	352	0	1.0M
150-159	0	202	0	713.4K
160-169	0	123	0	472.1K
170-179	0	81	0	265.3K
180-189	0	101	0	142.4K
190-199	0	46	0	74.9K
200-209	0	30	0	47.8K
210-219	0	11	0	24.6K
220-229	0	7	0	16.5K
230-239	0	10	0	8.3K
240-249	0	5	0	124.9K
>=250	0	42.4K	0	10.7M

Right Ventricular	Reset Before Last 86 day(s) 02 Nov 2020 to 28 Jan 2021		Since Last Reset 1756 day(s) 28 Jan 2021 to 20 Nov 2025	
	Paced	Sensed	Paced	Sensed
Rate (min ⁻¹)				
0-29	0	0	0	0
30-39	0	0	0	0
40-49	291	0	4.6K	3
50-59	1.7M	191	39.6M	10.9K
60-69	4.6M	896	52.8M	49.9K
70-79	1.6M	1.4K	40.7M	118.7K
80-89	181.9K	2.1K	20.7M	236.6K
90-99	13.1K	3.0K	7.4M	413.0K
100-109	5.0K	2.1K	2.7M	675.0K
110-119	1.5K	494	1.6M	743.0K
120-129	714	156	1.4M	381.5K
130-139	734	202	2.2M	721.5K
140-149	0	122	0	438.9K
150-159	0	47	0	192.5K
160-169	0	18	0	110.3K
170-179	0	9	0	72.9K
180-189	0	6	0	37.6K
190-199	0	0	0	19.4K
200-209	0	6	0	7.6K
210-219	0	2	0	2.4K
220-229	0	4	0	655
230-239	0	1	0	158
240-249	0	0	0	81
>=250	0	0	0	53

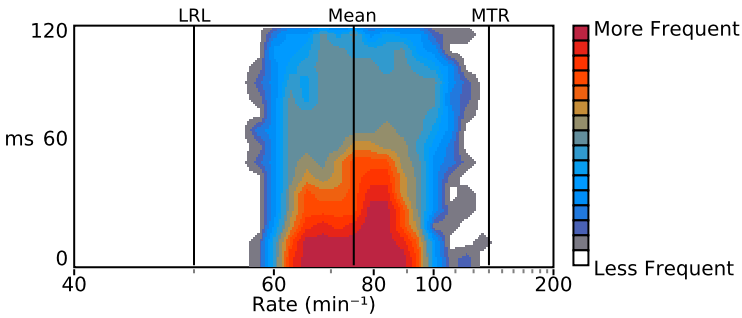
Reset Before Last 86 day(s) 02 Nov 2020 to 28 Jan 2021			Since Last Reset 1756 day(s) 28 Jan 2021 to 20 Nov 2025	
Left Ventricular				
Rate (min ⁻¹)	Paced	Sensed	Paced	Sensed
0-29	0	9	1	835
30-39	3	0	39	76
40-49	189	26	99.2K	910
50-59	1.7M	264	39.5M	13.6K
60-69	4.6M	1.1K	52.7M	62.4K
70-79	1.6M	1.7K	40.6M	152.8K
80-89	181.7K	2.6K	20.7M	240.2K
90-99	13.6K	3.2K	7.5M	390.8K
100-109	5.0K	1.2K	2.7M	536.7K
110-119	1.5K	226	1.6M	617.3K
120-129	721	90	1.4M	706.0K
130-139	724	99	2.2M	791.3K
140-149	21	80	1.9K	370.6K
150-159	7	35	55	164.8K
160-169	6	14	0	97.3K
170-179	1	14	0	61.7K
180-189	4	6	0	37.4K
190-199	1	8	0	18.7K
200-209	1	1	0	8.7K
210-219	0	5	0	2.4K
220-229	0	5	0	710
230-239	0	9	0	123
240-249	0	0	0	0
>=250	0	0	0	0

Reset Before Last 86 day(s) 02 Nov 2020 to 28 Jan 2021			Since Last Reset 1756 day(s) 28 Jan 2021 to 20 Nov 2025	
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	72	0
80-89	0	0	91	6
90-99	0	0	294	65
100-109	0	0	964	329
110-119	0	0	974	847
120-129	0	0	1.8K	1.4K
130-139	0	0	419	4.8K
140-149	0	0	0	20.8K
150-159	0	0	0	2.3K
160-169	0	0	0	1.2K
170-179	0	0	0	1.2K
180-189	0	0	0	796
190-199	0	0	0	446
200-209	0	0	0	233
210-219	0	0	0	145
220-229	0	0	0	97
230-239	0	0	0	67
240-249	0	0	0	66
>=250	0	0	0	45

Heart Rate Variability

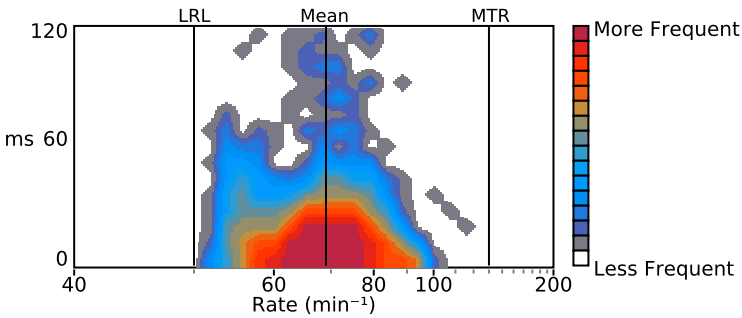
Last measured for 24-hr period ending 19 Nov 2025 12:33

% of Time Used	67
Footprint	38 %
SDANN	69 ms
Mode	DDD
Sensed AV Delay	120 ms
Ventricular Pacing Chamber	BiV
LV Offset	0 ms



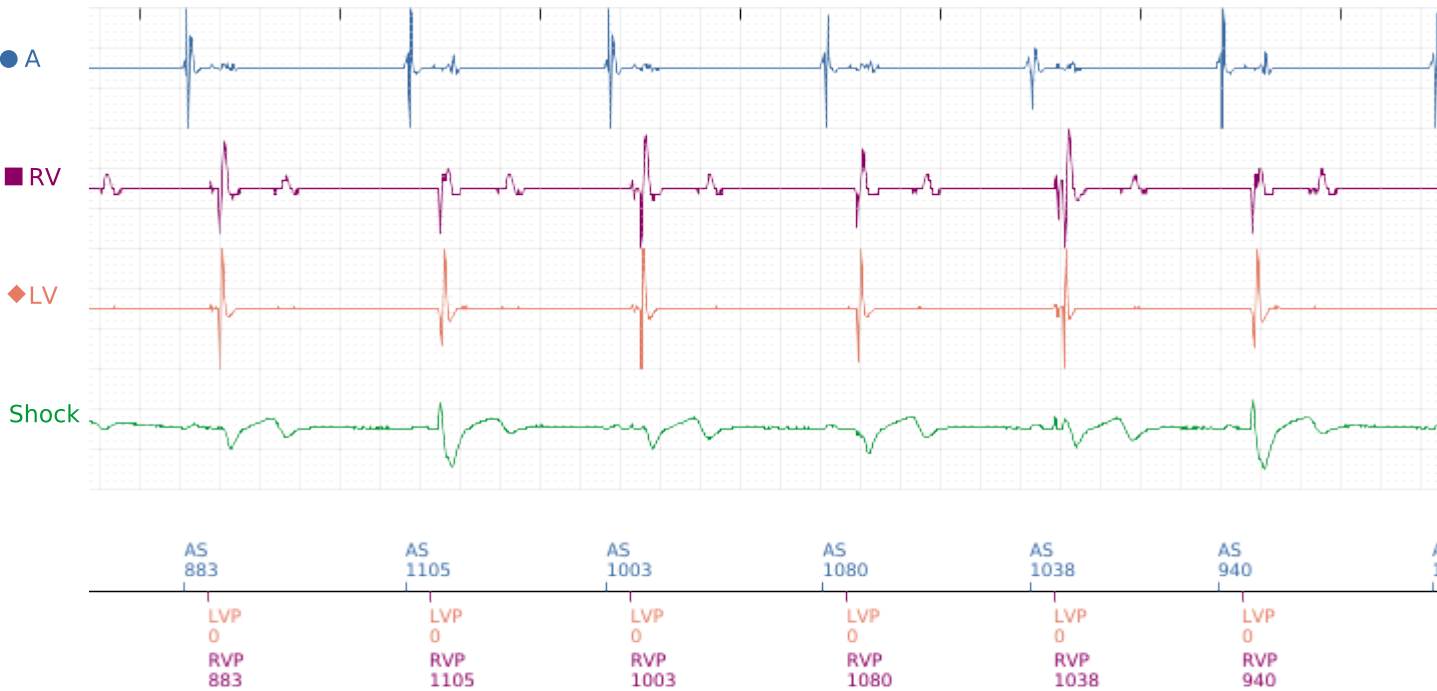
Reference: 24-hr period ending 03 Nov 2020 12:16

% of Time Used	89
Footprint	25 %
SDANN	52 ms
Mode	DDD
Sensed AV Delay	120 ms
Ventricular Pacing Chamber	BiV
LV Offset	0 ms



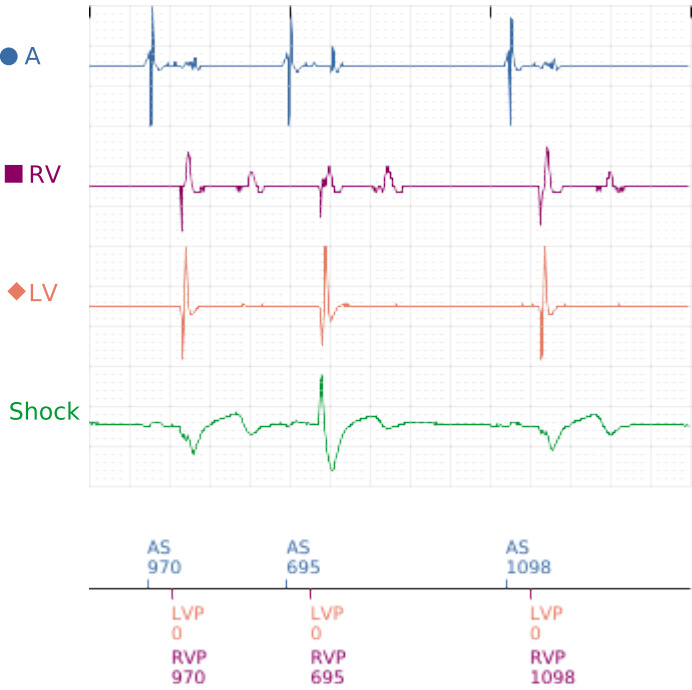
Presenting EGM (20 Nov 2025)

EGM displayed at 25mm per second



909





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Battery (Continued)			
Last Delivered Shock	N/R	Time Since Implant	61 months
Energy	N/R	Charge Remaining	1.07 ampere-hours
Charge Time	N/R	Power Consumption	63 µW
Shock Impedance	N/R	(Measured with programmed parameters)	
Beep when Explant is Indicated	On	This device is using 126% 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, 700 Ω
		 LVa	100% pacing, 70 min ⁻¹ , 3.5 V, 0.4 ms, 700 Ω
		 LVb	Off