

LATITUDE™ Patient Management - Quick Notes Report

Report Created: 11 Aug 2025



NAME HERE

Date of Birth: **Day Month 1943**

Device: **RESONATE X4 CRT-D**

G447/ serial number

Clinic: **CHU Haut Leveque Bordeaux HOPIT**

Search Tags:

Tachy Mode: **Monitor + Therapy**

Latest Device Transmission: **04 Aug 2025 04:51 CEST**

Last Office Interrogation: **24 Oct 2024**

Implant Date: **23 Oct 2024**

Patient Group: **TACHY_CHU de Bordeaux (Primary)**

My Alerts

There are no alerts to display.

Events Since Last Reset (24 Oct 2024)

03 Aug 2025 23:48RV Auto

03 Aug 2025 23:47RA Auto

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

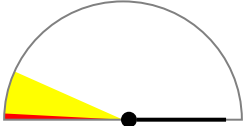
Battery 

Approximate time to explant: **10.5 years** from 04 Aug 2025

Last Capacitor Re-form21 Apr 2025 17:39

Charge Time10.1 s

One Year Remaining

Explant

Leads	Implant (23 Oct 2024)	Most Recent In-Office Measurement (24 Oct 2024)	Most Recent Daily Measurement (03 Aug 2025)
Atrial			
Intrinsic Amplitude	4.0 mV	7.4 mV	3.9 mV
Pace Impedance	550 Ω	597 Ω	547 Ω
Pace Threshold	0.7 V @ 0.4 ms	0.5 V @ 0.4 ms	0.6 V @ 0.4 ms
Right Ventricular			
Intrinsic Amplitude	11.0 mV	10.9 mV	N/R
Pace Impedance	400 Ω	430 Ω	392 Ω
Pace Threshold	1.1 V @ 0.4 ms	0.8 V @ 0.4 ms	1.3 V @ 0.4 ms
Left Ventricular			
Intrinsic Amplitude	3.0 mV	4.2 mV	N/R
Pace Impedance (LVa)	700 Ω	977 Ω	817 Ω
Pace Impedance (LVb)		610 Ω	
Pace Threshold	1.2 V @ 0.4 ms	1.3 V @ 0.4 ms	1.7 V @ 0.4 ms
Shock			
Shock Impedance	60 Ω	63 Ω	70 Ω

Brady/CRT Counters	Since Last Reset 24 Oct 2024
Atrial	67 % Paced
Right Ventricular	99 % Paced
Left Ventricular (LVa)	99 % Paced
Left Ventricular (LVb)	0 % Paced

Atrial Arrhythmia Counters	Since Last Reset 24 Oct 2024
% AT/AF	<1

G447 Firmware Version: H_v1.00.00(1.01)
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Clinician Signature

Settings

Ventricular Tachy				
VF	230 min ⁻¹	ATP		41 J, 41 J, 41 Jx6
VT	185 min ⁻¹	Scan	Ramp	41 J, 41 J, 41 Jx4
VT-1	150 min ⁻¹	Monitor Only		
Atrial Tachy		Pacing Output		
ATR Mode Switch	170 min ⁻¹	DDIR	Atrial	Trend 2.0 V @ 0.4 ms
Brady/CRT			Right Ventricular	Auto 2.6 V @ 0.4 ms
Mode		DDD	Left Ventricular (LVa)	Auto 2.7 V @ 0.4 ms
Lower Rate Limit		60 min ⁻¹	Left Ventricular (LVb)	Off
Maximum Tracking Rate		130 min ⁻¹	Sensitivity	
Maximum Sensor Rate		130 min ⁻¹	Atrial	AGC 0.25 mV
Paced AV Delay		160 - 180 ms	Right Ventricular	AGC 0.6 mV
Sensed AV Delay		105 - 120 ms	Left Ventricular	AGC 1.0 mV
A-Refractory (PVARP)		240 - 280 ms	Leads Configuration (Pace/Sense)	
RV-Refractory (RVRP)		230 - 250 ms	Atrial	Bipolar
LV-Refractory (LVRP)		250 ms	Right Ventricular	Bipolar
Ventricular Pacing Chamber		BiV	LVa (Pace)	LVTip1>>LVRing2
LV Offset		-20 ms	LVb (Pace)	Off
			LV (Sense)	LVRing2>>LVRing3
		Rate Adaptive Pacing		
		Minute Ventilation		ATR Only
		Accelerometer		Passive
		LV MultiSite Pacing		
		Pacing Order		Off

All Events Since Last Reset (24 Oct 2024)	
03 Aug 2025 23:48	RV Auto
03 Aug 2025 23:47	RA Auto
03 Aug 2025 23:45	LV Auto
11 Jun 2025 14:47	LV Auto
11 Jun 2025 14:46	RA Auto
11 Jun 2025 14:40	RV Auto
11 Jun 2025 00:51	ATR at 225 min ⁻¹ , Avg V Rate in ATR: 109 min ⁻¹
03 May 2025 05:48	RA Auto
03 May 2025 05:46	LV Auto
03 May 2025 05:40	RV Auto
26 Jan 2025 23:47	RA Auto
26 Jan 2025 23:46	LV Auto
26 Jan 2025 23:40	RV Auto
19 Dec 2024 12:40	RA Auto
19 Dec 2024 11:46	LV Auto
19 Dec 2024 11:40	RV Auto
19 Dec 2024 09:47	NonSustV at 192 min ⁻¹ , Nonsustained
Total Events: 1 NonSustV, 1 ATR	



Date of Birth: 1943

Device: RESONATE X4 CRT-D

G447I

Clinic: CHU Haut Leveque Bordeaux HOPIT

Search Tags:

Tachy Mode: Monitor + Therapy

Latest Device Transmission: 04 Aug 2025 04:51 CEST

Last Office Interrogation: 24 Oct 2024

Implant Date: 23 Oct 2024

Patient Group: TACHY_CHU de Bordeaux (Primary)

Presenting EGM (04 Aug 2025)

EGM displayed at 25mm per second



Shock



AP 1000	AP 1000	AP 1000	AP 1000	AP 1000	AP 1000
LVP 980	LVP 980	LVP 980	LVP 980	LVP 980	LVP 980
RVP 1000	RVP 1000	RVP 1000	RVP 1000	RVP 1000	RVP 1000

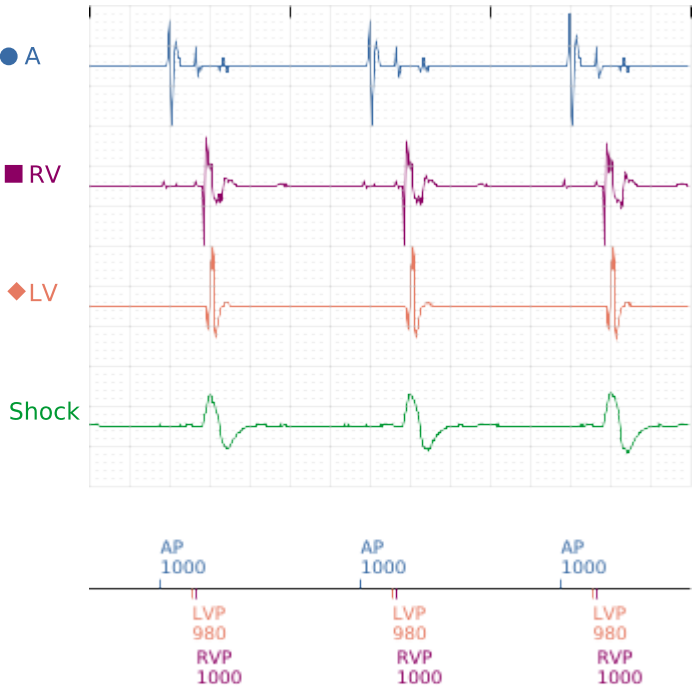
- A

■ RV

◆ LV

Shock

[illegible]



LATITUDE™ Patient Management - Combined Follow-up Report

Report Created: 11 Aug 2025



Date of Birth:

Device: **RESONATE X4 CRT-D G447I**

Clinic: **CHU Haut Leveque Bordeaux HOPIT**

Search Tags:

Tachy Mode: **Monitor + Therapy**

Latest Device Transmission: **04 Aug 2025 04:51 CEST**

Last Office Interrogation: **24 Oct 2024**

Implant Date: **23 Oct 2024**

Patient Group: **TACHY_CHU de Bordeaux (Primary)**

My Alerts

There are no alerts to display.

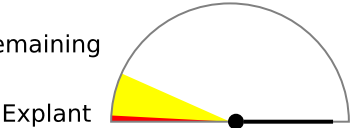
Events Since Last Reset (24 Oct 2024)

03 Aug 2025 23:48 RV Auto
03 Aug 2025 23:47 RA Auto
See last page for full list of Events Since Last Reset.

Battery

Approximate time to explant: **10.5 years** from 04 Aug 2025
Last Capacitor Re-form 21 Apr 2025 17:39
Charge Time 10.1 s

One Year Remaining



See last page for additional battery information.

Leads	Implant (23 Oct 2024)	Most Recent In-Office Measurement (24 Oct 2024)	Most Recent Daily Measurement (03 Aug 2025)
Atrial			
Intrinsic Amplitude	4.0 mV	7.4 mV	3.9 mV
Pace Impedance	550 Ω	597 Ω	547 Ω
Pace Threshold	0.7 V @ 0.4 ms	0.5 V @ 0.4 ms	0.6 V @ 0.4 ms
Right Ventricular			
Intrinsic Amplitude	11.0 mV	10.9 mV	N/R
Pace Impedance	400 Ω	430 Ω	392 Ω
Pace Threshold	1.1 V @ 0.4 ms	0.8 V @ 0.4 ms	1.3 V @ 0.4 ms
Left Ventricular			
Intrinsic Amplitude	3.0 mV	4.2 mV	N/R
Pace Impedance (LVa)	700 Ω	977 Ω	817 Ω
Pace Impedance (LVb)		610 Ω	
Pace Threshold	1.2 V @ 0.4 ms	1.3 V @ 0.4 ms	1.7 V @ 0.4 ms
Shock			
Shock Impedance	60 Ω	63 Ω	70 Ω

Ventricular Tachy					
VF	230 min ⁻¹		ATP		41 J, 41 J, 41 Jx6
VT	185 min ⁻¹		Scan	Ramp	41 J, 41 J, 41 Jx4
VT-1	150 min ⁻¹		Monitor Only		
Atrial Tachy			Pacing Output		
ATR Mode Switch	170 min ⁻¹	DDIR	 Atrial		Trend 2.0 V @ 0.4 ms
Brady/CRT			 Right Ventricular		Auto 2.6 V @ 0.4 ms
Mode		DDD	 Left Ventricular (LVa)		Auto 2.7 V @ 0.4 ms
Lower Rate Limit		60 min ⁻¹	 Left Ventricular (LVb)		Off
Maximum Tracking Rate		130 min ⁻¹	Sensitivity		
Maximum Sensor Rate		130 min ⁻¹	 Atrial		AGC 0.25 mV
Paced AV Delay		160 - 180 ms	 Right Ventricular		AGC 0.6 mV
Sensed AV Delay		105 - 120 ms	 Left Ventricular		AGC 1.0 mV
A-Refractory (PVARP)		240 - 280 ms	Leads Configuration (Pace/Sense)		
RV-Refractory (RVRP)		230 - 250 ms	 Atrial		Bipolar
LV-Refractory (LVRP)		250 ms	 Right Ventricular		Bipolar
Ventricular Pacing Chamber		BiV	 LVa (Pace)		LVTip1>>LVRing2
LV Offset		-20 ms	 LVb (Pace)		Off
			 LV (Sense)		LVRing2>>LVRing3
			Rate Adaptive Pacing		
			Minute Ventilation		ATR Only
			Accelerometer		Passive
			LV MultiSite Pacing		
			Pacing Order		Off
Rhythm ID Update					
Last Successful Completion					N/R

R = Counter Reset
P = Program
I = Office Interrogation

03 Aug 2025

45.9

Ω

Thoracic Impedance

03 Aug 2025

15.5

min⁻¹

Respiratory Rate

03 Aug 2025

60

min⁻¹

Night Heart Rate

03 Aug 2025

Insufficient

degrees

Sleep Incline

03 Aug 2025

1.1

hour(s)

Activity Level

03 Aug 2025

Insufficient

events/h

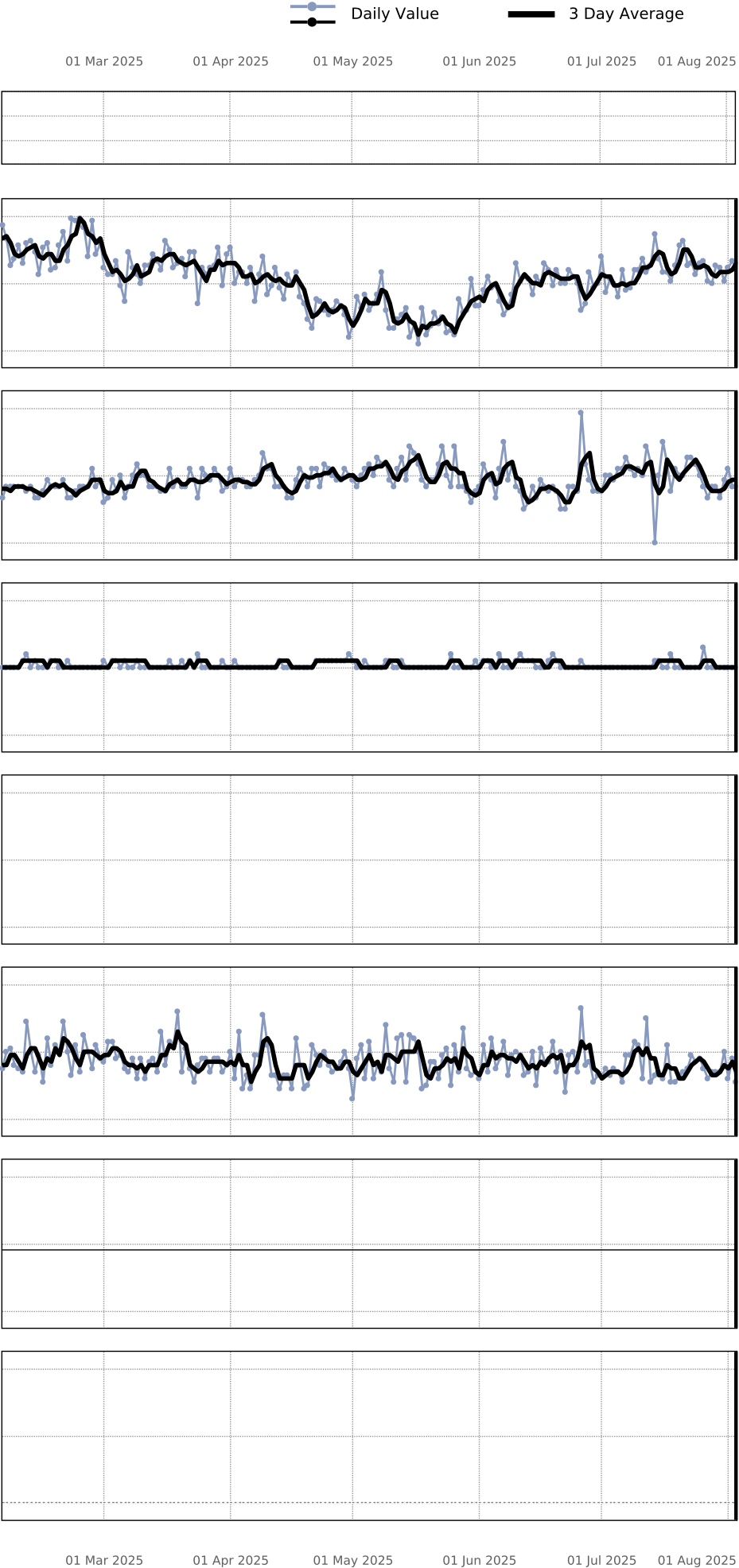
AP Scan™

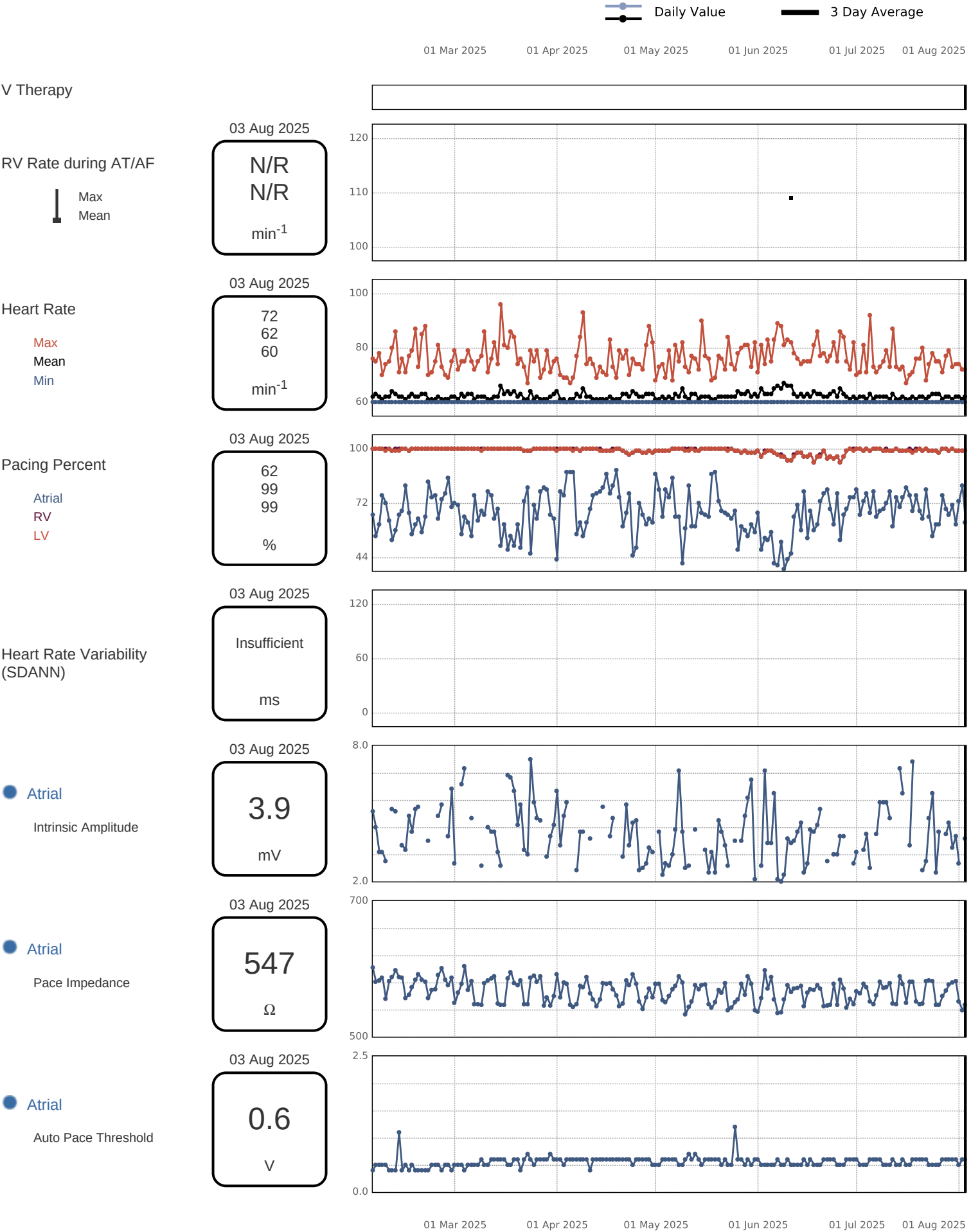
03 Aug 2025

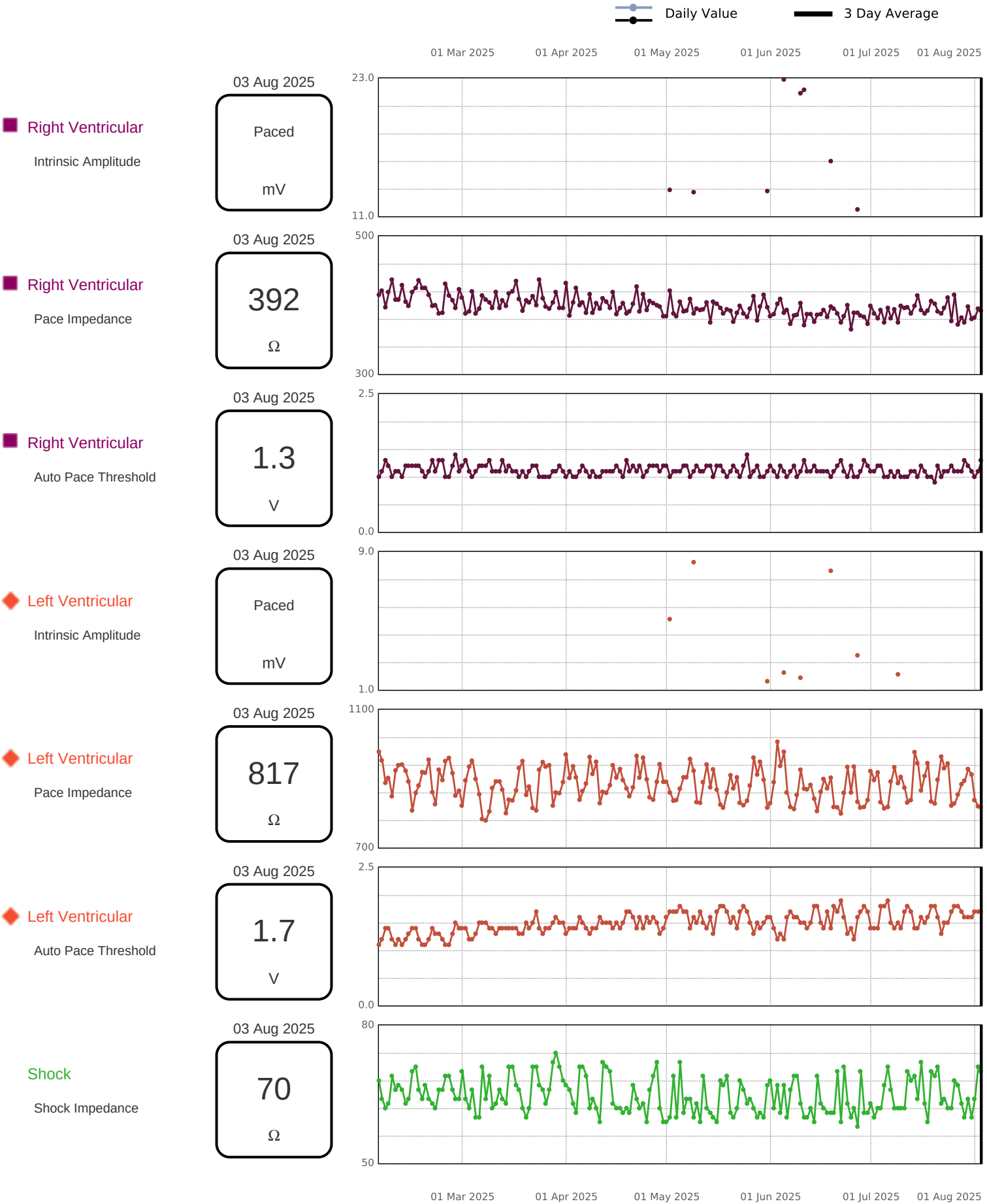
0.0

hour(s)

AT/AF Burden







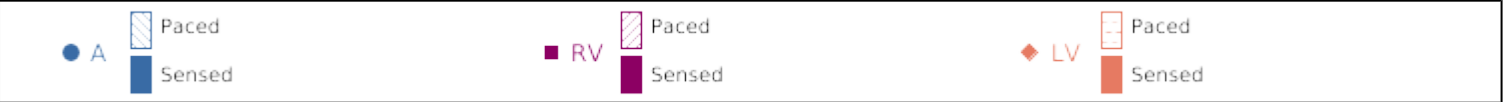
Ventricular Tachy Counters	Since Last Reset 24 Oct 2024	Device Totals
Ventricular Episode Counters		
Total Episodes	1	1
Treated		
VF Therapy	0	0
VT Therapy	0	0
VT-1 Therapy	0	0
Commanded Therapy	0	0
Non-Treated		
No Therapy Programmed	0	0
 NonsustainedV Episodes	1	1
Other Untreated Episodes	0	0
Ventricular 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 0 day(s) 23 Oct 2024 to 24 Oct 2024	Since Last Reset 283 day(s) 24 Oct 2024 to 04 Aug 2025
Counters		
% A Paced	4	67
% RV Paced	100	99
% LVa Paced	100	99
% LVb Paced	0	0
Intrinsic Promotion		
Rate Hysteresis		
% Successful	0	0
Atrial Arrhythmia		
% AT/AF	N/R	<1
Total Time in AT/AF (min)	N/R	<0.1
Episodes by Duration		
< 1 minute	0	1
1 min - < 1 hr	0	0
1 hr - < 24 hr	0	0
24 hr - < 48 hr	0	0
> 48 hr	0	0
Total PACs	30	5411
Ventricular Counters		
Total PVCs	317	200481
Three or More PVCs	0	6

Clinical Counters	Since Last Reset 24 Oct 2024	Device Totals
MRI Protection Mode	0	0

AT/AF Overview: Since Last Reset (24 Oct 2024 to 04 Aug 2025)		
AT/AF: <1 %	AT/AF Events: 1	Total Time in AT/AF (min): <0.1
Most Recent: 11 Jun 2025 00:51	Avg V Rate: 109 min ⁻¹	Duration: 00:00:05 hh:mm:ss
Longest: 11 Jun 2025 00:51	Avg V Rate: 109 min ⁻¹	Duration: 00:00:05 hh:mm:ss
Fastest RVS Rate: 11 Jun 2025 00:51	Max V Rate: N/R	Duration: 00:00:05 hh:mm:ss

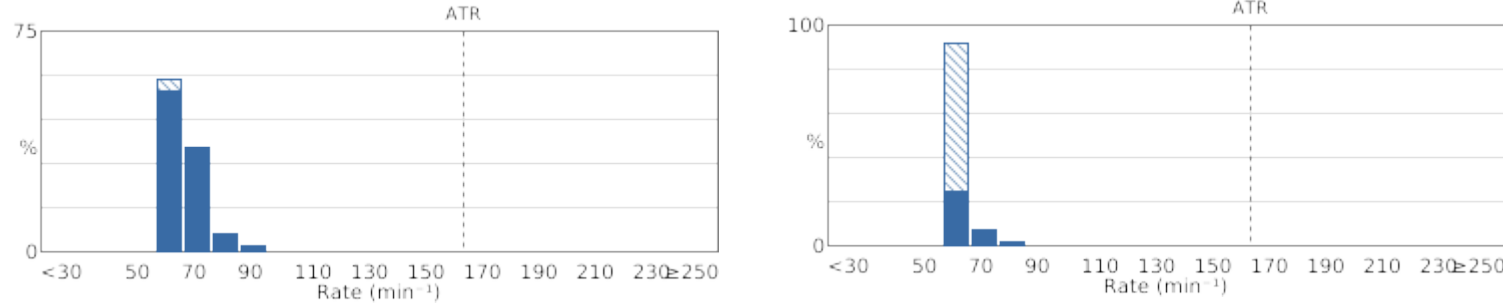
AT/AF Overview: Reset Before Last (23 Oct 2024 to 24 Oct 2024)		
There are no ATR events to display.		



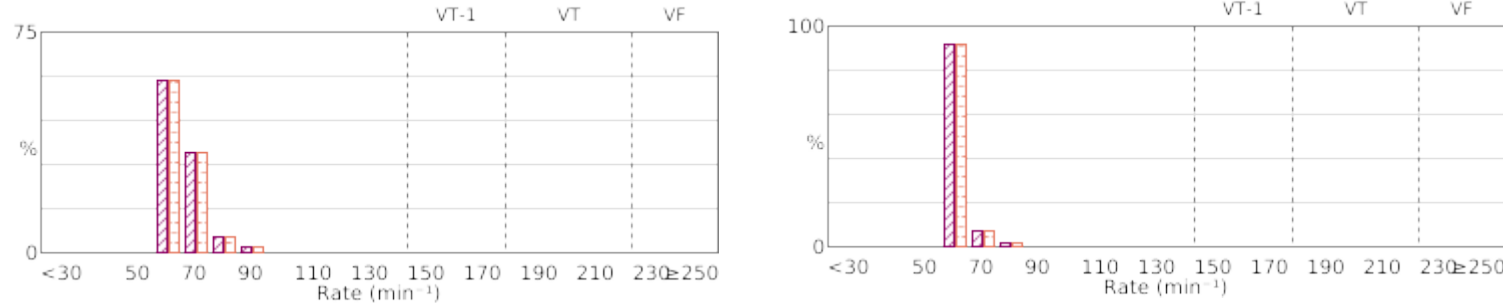
Reset Before Last
0 day(s)
23 Oct 2024 to 24 Oct 2024

Since Last Reset
283 day(s)
24 Oct 2024 to 04 Aug 2025

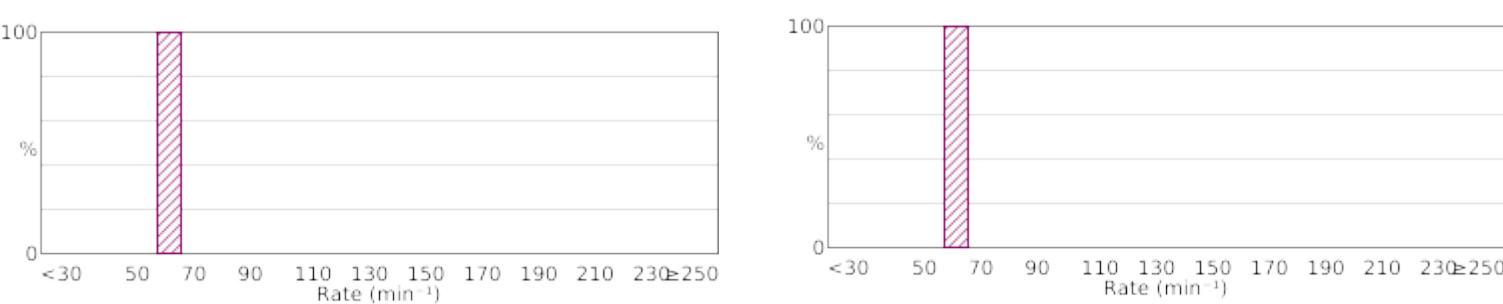
Atrial Activity



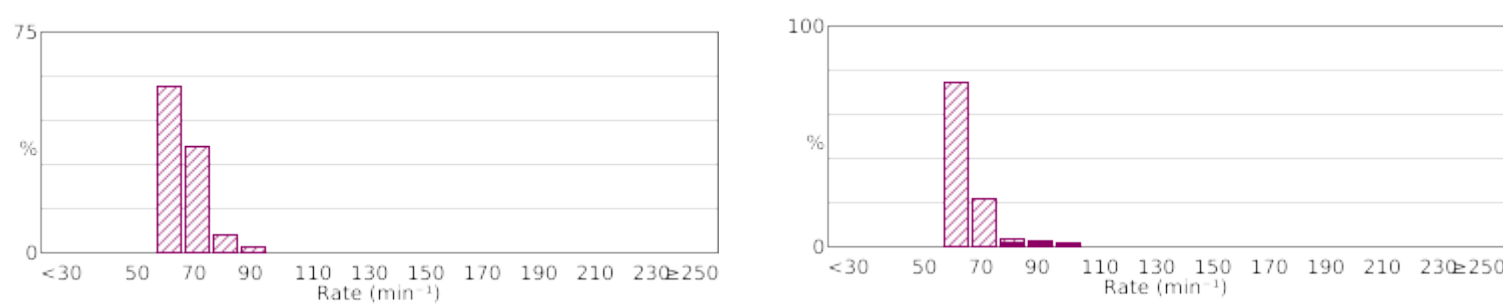
Ventricular Activity



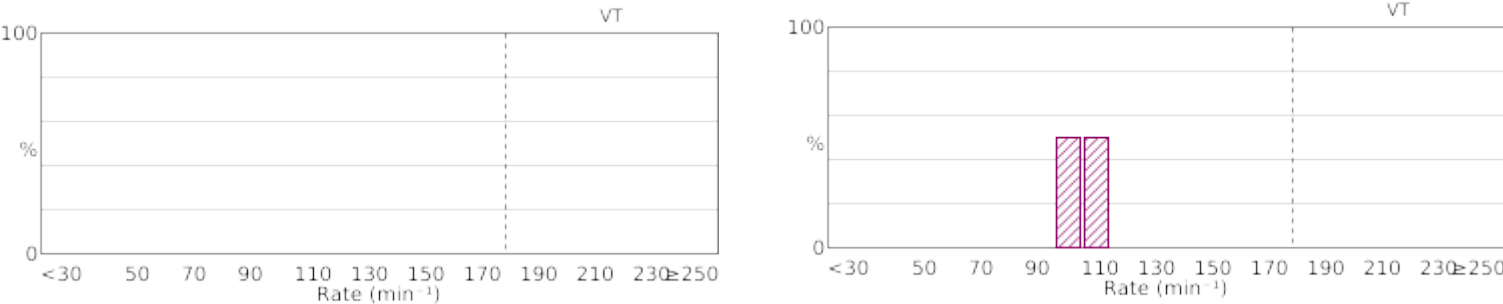
Ventricular Response to Atrial Pace



Ventricular Response to Atrial Sense



RV Rate during AT/AF



Atrial		Reset Before Last 0 day(s) 23 Oct 2024 to 24 Oct 2024	Since Last Reset 283 day(s) 24 Oct 2024 to 04 Aug 2025	
Rate (min ⁻¹)	Paced	Sensed	Paced	Sensed
0-29	0	0	0	0
30-39	0	0	0	7.2K
40-49	0	1	0	64.0K
50-59	3	42	14.3K	54.8K
60-69	3.4K	51.8K	16.9M	6.2M
70-79	0	32.9K	8.1K	1.7M
80-89	0	5.2K	1.8K	185.5K
90-99	15	1.5K	262	27.5K
100-109	0	209	88	4.0K
110-119	0	9	5	1.3K
120-129	0	13	0	512
130-139	0	3	1	325
140-149	0	0	0	244
150-159	0	0	0	133
160-169	0	0	0	89
170-179	0	1	0	42
180-189	0	2	0	32
190-199	0	0	0	106
200-209	0	0	0	92
210-219	0	0	0	14
220-229	0	0	0	11
230-239	0	0	0	5
240-249	0	0	0	12
>=250	0	0	0	41
Right Ventricular		Reset Before Last 0 day(s) 23 Oct 2024 to 24 Oct 2024	Since Last Reset 283 day(s) 24 Oct 2024 to 04 Aug 2025	
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	4	0	1.8K	3
60-69	55.2K	6	23.2M	1.6K
70-79	32.9K	1	1.7M	4.1K
80-89	5.2K	14	186.6K	65.1K
90-99	1.6K	36	47.2K	79.1K
100-109	209	96	21.8K	54.0K
110-119	10	132	8.4K	10.1K
120-129	14	57	618	2.0K
130-139	2	1	721	466
140-149	0	4	0	246
150-159	0	1	0	125
160-169	0	0	0	67
170-179	0	1	0	39
180-189	0	0	0	28
190-199	0	1	0	14
200-209	0	0	0	12
210-219	0	2	0	2
220-229	0	2	0	4
230-239	0	0	0	2
240-249	0	0	0	0
>=250	0	0	0	1

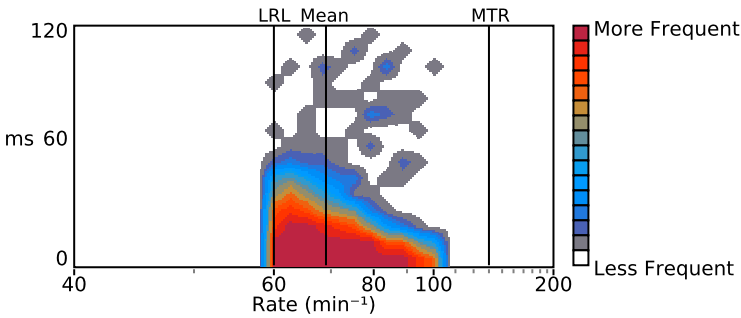
Left Ventricular	Reset Before Last 0 day(s)		Since Last Reset 283 day(s)	
	23 Oct 2024 to 24 Oct 2024		24 Oct 2024 to 04 Aug 2025	
	Rate (min ⁻¹)	Paced	Sensed	Paced
0-29	0	0	6	88
30-39	48	0	59.9K	86
40-49	81	5	30.0K	446
50-59	67	3	16.9K	1.0K
60-69	55.0K	6	23.1M	2.2K
70-79	32.9K	3	1.7M	9.9K
80-89	5.2K	13	178.9K	53.2K
90-99	1.5K	41	41.3K	31.1K
100-109	211	74	14.6K	12.5K
110-119	9	39	6.0K	8.2K
120-129	15	17	2.1K	1.4K
130-139	2	2	859	294
140-149	0	3	222	186
150-159	0	0	15	101
160-169	0	0	0	55
170-179	0	0	0	31
180-189	0	1	0	9
190-199	0	0	0	6
200-209	0	0	0	3
210-219	0	0	0	2
220-229	0	0	0	4
230-239	0	0	0	155
240-249	0	0	0	0
>=250	0	0	0	0

RV Rate during AT/AF	Reset Before Last 0 day(s)		Since Last Reset 283 day(s)	
	23 Oct 2024 to 24 Oct 2024		24 Oct 2024 to 04 Aug 2025	
	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	0	0
60-69	0	0	0	0
70-79	0	0	0	0
80-89	0	0	0	0
90-99	0	0	0	0
100-109	0	0	4	0
110-119	0	0	4	0
120-129	0	0	0	0
130-139	0	0	0	0
140-149	0	0	0	0
150-159	0	0	0	0
160-169	0	0	0	0
170-179	0	0	0	0
180-189	0	0	0	0
190-199	0	0	0	0
200-209	0	0	0	0
210-219	0	0	0	0
220-229	0	0	0	0
230-239	0	0	0	0
240-249	0	0	0	0
>=250	0	0	0	0

Heart Rate Variability

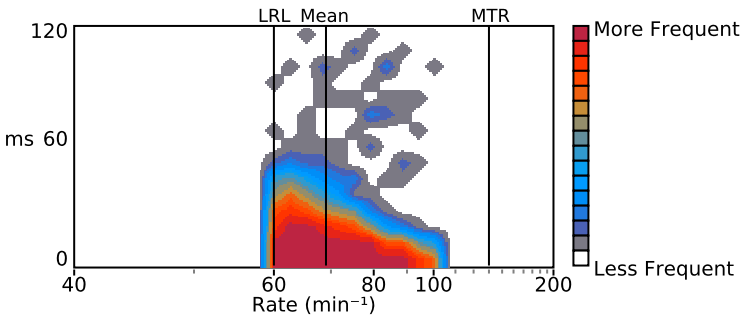
Last measured for 24-hr period ending 24 Oct 2024 18:37

% of Time Used	91
Footprint	14 %
SDANN	68 ms
Mode	DDD
Sensed AV Delay	105 - 120 ms
Ventricular Pacing Chamber	BiV
LV Offset	-20 ms



Reference: 24-hr period ending 24 Oct 2024 18:37

% of Time Used	91
Footprint	14 %
SDANN	68 ms
Mode	DDD
Sensed AV Delay	105 - 120 ms
Ventricular Pacing Chamber	BiV
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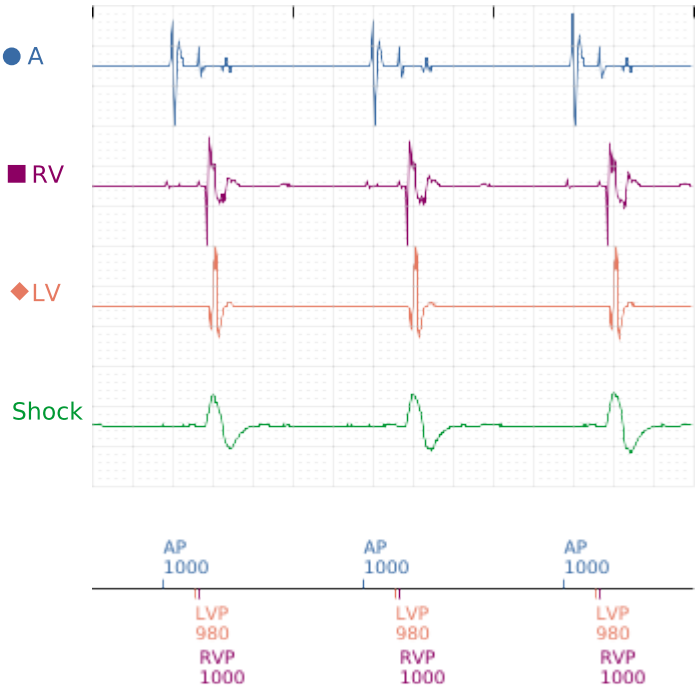


Presenting EGM (04 Aug 2025)

EGM displayed at 25mm per second





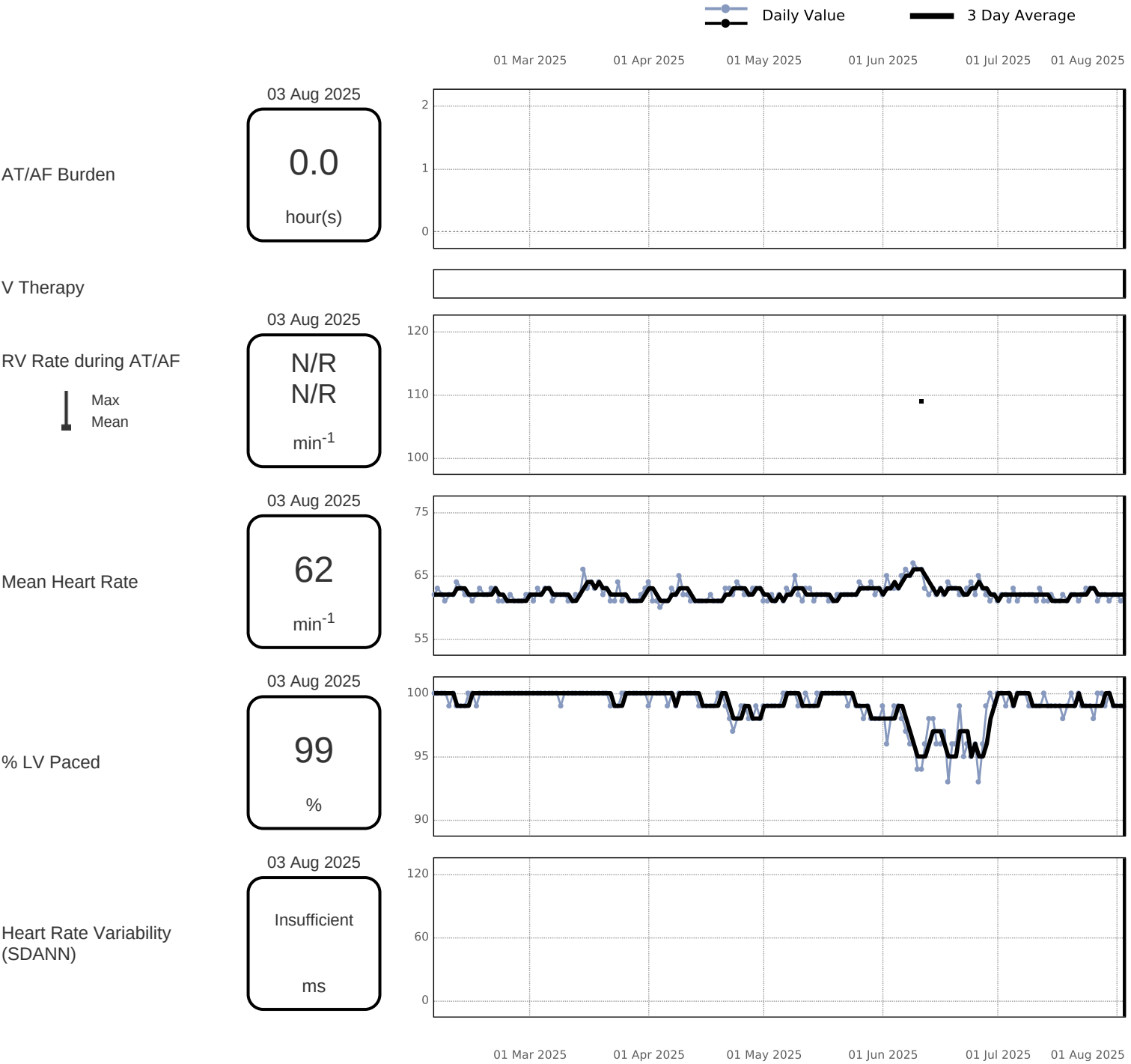


All Events Since Last Reset (24 Oct 2024)

03 Aug 2025 23:48	RV Auto
03 Aug 2025 23:47	RA Auto
03 Aug 2025 23:45	LV Auto
11 Jun 2025 14:47	LV Auto
11 Jun 2025 14:46	RA Auto
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11 Jun 2025 00:51	ATR at 225 min ⁻¹ , Avg V Rate in ATR: 109 min ⁻¹
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26 Jan 2025 23:46	LV Auto
26 Jan 2025 23:40	RV Auto
19 Dec 2024 12:40	RA Auto
19 Dec 2024 11:46	LV Auto
19 Dec 2024 11:40	RV Auto
19 Dec 2024 09:47	NonSustV at 192 min ⁻¹ , Nonsustained
Total Events: 1 NonSustV, 1 ATR	

Battery (Continued)

Last Delivered Shock	N/R	Time Since Implant	9 months
Energy	N/R	Charge Remaining	1.92 ampere-hours
Charge Time	N/R	Power Consumption	51 μW
Shock Impedance	N/R	(Measured with programmed parameters)	
Beep when Explant is Indicated	On	This device is using 102% 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

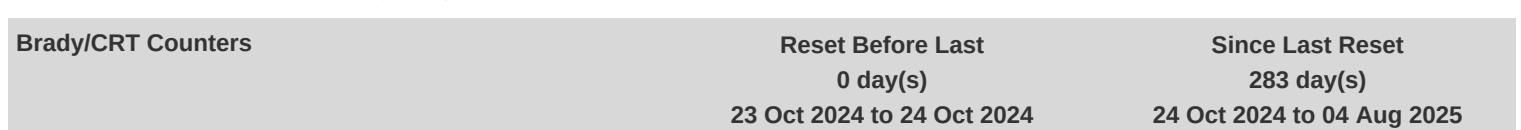


Battery OK

Approximate time to explant: 10.5 years from 04 Aug 2025

Trend Data									
Date	Thoracic Impedance (Ω)	Respiratory Rate (min ⁻¹)	Night Heart Rate (min ⁻¹)	Sleep Incline (degrees)	Activity Level (hour(s))	AP Scan™ (events/h)	AT/AF Burden (hour(s); events)	RV Rate during AT/AF (max; mean) (min ⁻¹)	Mean Heart Rate (min ⁻¹)
03 Aug 2025	45.9	15.5	60	N/R	1.1	N/R	0.0; 0	N/R; N/R	62
02 Aug 2025	46.0	15.5	60	N/R	1.8	N/R	0.0; 0	N/R; N/R	61
01 Aug 2025	45.7	16.3	60	N/R	1.2	N/R	0.0; 0	N/R; N/R	62
31 Jul 2025	45.1	15.8	60	N/R	2.0	N/R	0.0; 0	N/R; N/R	62
30 Jul 2025	45.7	15.0	60	N/R	1.4	N/R	0.0; 0	N/R; N/R	61
29 Jul 2025	45.8	15.5	60	N/R	1.4	N/R	0.0; 0	N/R; N/R	62
28 Jul 2025	45.0	15.5	60	N/R	1.4	N/R	0.0; 0	N/R; N/R	62
27 Jul 2025	45.1	15.0	60	N/R	1.2	N/R	0.0; 0	N/R; N/R	61
26 Jul 2025	46.0	15.5	63	N/R	1.5	N/R	0.0; 0	N/R; N/R	63
25 Jul 2025	45.9	16.0	60	N/R	1.8	N/R	0.0; 0	N/R; N/R	63
24 Jul 2025	45.4	16.5	60	N/R	1.7	N/R	0.0; 0	N/R; N/R	63
23 Jul 2025	45.9	16.8	60	N/R	1.9	N/R	0.0; 0	N/R; N/R	62
22 Jul 2025	45.8	16.8	60	N/R	1.5	N/R	0.0; 0	N/R; N/R	61
21 Jul 2025	46.9	16.0	60	N/R	1.4	N/R	0.0; 0	N/R; N/R	62
20 Jul 2025	46.7	16.0	60	N/R	1.3	N/R	0.0; 0	N/R; N/R	62
19 Jul 2025	45.8	16.3	60	N/R	1.1	N/R	0.0; 0	N/R; N/R	61
18 Jul 2025	45.1	15.3	62	N/R	1.1	N/R	0.0; 0	N/R; N/R	62
17 Jul 2025	45.5	16.5	60	N/R	2.2	N/R	0.0; 0	N/R; N/R	61
16 Jul 2025	45.5	17.5	60	N/R	1.2	N/R	0.0; 0	N/R; N/R	61
15 Jul 2025	46.1	16.0	61	N/R	1.4	N/R	0.0; 0	N/R; N/R	62
14 Jul 2025	47.2	13.0	61	N/R	1.3	N/R	0.0; 0	N/R; N/R	61
13 Jul 2025	45.8	16.5	60	N/R	1.1	N/R	0.0; 0	N/R; N/R	61
12 Jul 2025	45.5	17.3	60	N/R	3.0	N/R	0.0; 0	N/R; N/R	63
11 Jul 2025	46.1	16.0	60	N/R	1.2	N/R	0.0; 0	N/R; N/R	61
10 Jul 2025	45.6	16.3	60	N/R	2.2	N/R	0.0; 0	N/R; N/R	62
09 Jul 2025	45.6	16.0	60	N/R	2.3	N/R	0.0; 0	N/R; N/R	62
08 Jul 2025	44.8	16.3	60	N/R	1.9	N/R	0.0; 0	N/R; N/R	62
07 Jul 2025	44.7	16.8	60	N/R	1.9	N/R	0.0; 0	N/R; N/R	62
06 Jul 2025	45.6	16.3	60	N/R	1.1	N/R	0.0; 0	N/R; N/R	61
05 Jul 2025	44.4	16.3	60	N/R	1.4	N/R	0.0; 0	N/R; N/R	63

Date	% LV Paced (%)	Heart Rate Variability (SDANN) (ms)
03 Aug 2025	99	N/R
02 Aug 2025	99	N/R
01 Aug 2025	99	N/R
31 Jul 2025	99	N/R
30 Jul 2025	100	N/R
29 Jul 2025	99	N/R
28 Jul 2025	100	N/R
27 Jul 2025	100	N/R
26 Jul 2025	98	N/R
25 Jul 2025	99	N/R
24 Jul 2025	99	N/R
23 Jul 2025	99	N/R
22 Jul 2025	100	N/R
21 Jul 2025	99	N/R
20 Jul 2025	100	N/R
19 Jul 2025	99	N/R
18 Jul 2025	98	N/R
17 Jul 2025	99	N/R
16 Jul 2025	99	N/R
15 Jul 2025	99	N/R
14 Jul 2025	99	N/R
13 Jul 2025	100	N/R
12 Jul 2025	99	N/R
11 Jul 2025	99	N/R
10 Jul 2025	99	N/R
09 Jul 2025	99	N/R
08 Jul 2025	100	N/R
07 Jul 2025	100	N/R
06 Jul 2025	100	N/R
05 Jul 2025	99	N/R



Settings				
Brady/CRT		Atrial Tachy		
Mode	DDD	ATR Mode Switch	170 min ⁻¹	DDIR
My Alerts				

Events Since: Last Reset

Event Type: All Events

Maximum of 250 episodes shown

Event	Date/Time	Type	Therapy	Duration hh:mm:ss
 RVAT-327	03 Aug 2025 23:48	RV Auto		-----
 RAAT-325	03 Aug 2025 23:47	RA Auto		-----
 LVAT-326	03 Aug 2025 23:45	LV Auto		-----
 LVAT-265	11 Jun 2025 14:47	LV Auto		-----
 RAAT-264	11 Jun 2025 14:46	RA Auto		-----
 RVAT-266	11 Jun 2025 14:40	RV Auto		-----
 ATR-1	11 Jun 2025 00:51	ATR	Avg V Rate in ATR: 109 min ⁻¹	00:00:05
 RAAT-219	03 May 2025 05:48	RA Auto		-----
 LVAT-220	03 May 2025 05:46	LV Auto		-----
 RVAT-221	03 May 2025 05:40	RV Auto		-----
 RAAT-109	26 Jan 2025 23:47	RA Auto		-----
 LVAT-110	26 Jan 2025 23:46	LV Auto		-----
 RVAT-110	26 Jan 2025 23:40	RV Auto		-----
 RAAT-65	19 Dec 2024 12:40	RA Auto		-----
 LVAT-66	19 Dec 2024 11:46	LV Auto		-----
 RVAT-66	19 Dec 2024 11:40	RV Auto		-----
 V-1	19 Dec 2024 09:47	NonSustV	Nonsustained	00:00:16
 RAAT-32	20 Nov 2024 14:45	RA Auto		-----
 LVAT-33	20 Nov 2024 14:42	LV Auto		-----
 RVAT-33	20 Nov 2024 14:40	RV Auto		-----
 RAAT-1	24 Oct 2024 11:47	RA Auto		-----
 LVAT-2	24 Oct 2024 11:41	LV Auto		-----
 RVAT-2	24 Oct 2024 11:40	RV Auto		-----

LATITUDE™ Patient Management - Device Settings Report		Report Created: 11 Aug 2025
	Date of Birth:	Latest Device Transmission: 04 Aug 2025 04:51 CEST
	Device: RESONATE X4 CRT-D G447I	Last Office Interrogation: 24 Oct 2024
	Clinic: CHU Haut Leveque Bordeaux HOPIT	Implant Date: 23 Oct 2024
	Search Tags:	Patient Group: TACHY_CHU de Bordeaux (Primary)
	Tachy Mode: Monitor + Therapy	

Programming

Last Programmed	24 Oct 2024
Ventricular Tachy Mode	23 Oct 2024 Changed to Monitor + Therapy
	23 Oct 2024 Changed to Off

Ventricular Tachy

VF 230 min ⁻¹ (261 ms)			
Detection/Redetection		Therapy	
Initial Duration	5.0 s	QUICK CONVERT™ ATP	300 min ⁻¹
Redetection Duration	1.0 s	Shock 1	41 J
Post-Shock Duration	1.0 s	Shock 2	41 J
		Additional 41 J Shocks	6

VT 185 min ⁻¹ (324 ms)			
Detection/Redetection		ATP1	Scan
Initial Duration	12.0 s	Number of Bursts	
Redetection Duration	1.0 s	Pulses per Burst	
Post-Shock Duration	1.0 s	Initial	10
Enhancements		Increment	0
VT Detection		Coupling Interval	88 %
Atrial Tachy Discrimination		Decrement	0 ms
Sinus Tachycardia Discrimination		Burst Cycle Length	88 %
Initial Detection		Ramp Decrement	0 ms
V Rate > A Rate	On	Scan Decrement	8 ms
AFib Rate Threshold	170 min ⁻¹	Minimum Interval	220 ms
Stability	20 ms	ATP2	
	And	Ramp	
Onset	9 %	Number of Bursts	1
Sustained Rate Duration	Off	Pulses per Burst	
Post-Shock Detection		Initial	10
V Rate > A Rate	On	Increment	0
AFib Rate Threshold	170 min ⁻¹	Coupling Interval	88 %
Stability	20 ms	Burst Cycle Length	88 %
Sustained Rate Duration	Off	Ramp Decrement	10 ms
		Minimum Interval	220 ms
		ATP Time-out	
		Shocks	
		Shock 1	41 J
		Shock 2	41 J
		Shock 3-6	41 J

VT-1 150 min ⁻¹ (400 ms)			
Detection/Redetection		ATP1	Off
Initial Duration	30.0 s	ATP2	Off
Redetection Duration	1.0 s	Shocks	
Post-Shock Duration	1.0 s	Shock 1	Off
		Shock 2	Off
		Shock 3-5	Off

Ventricular Tachy Therapy Setup			
ATP		Shock (All Shocks)	
RV ATP Amplitude	5.0 V	Waveform	Biphasic
RV ATP Pulse Width	1.0 ms	Committed Shock	Off
LV ATP Amplitude	5.0 V	Lead Polarity	Initial
LV ATP Pulse Width	1.0 ms	Shock Lead Vector	RV Coil to Can
Magnet and Beeper			
Magnet Response	Inhibit Therapy		
Beep During Capacitor Charge	Off		

Atrial Tachy**Therapy****ATR Mode Switch Details**

ATR Mode Switch	On
Trigger Rate	170 min ⁻¹
Duration	8 cycles
Entry Count	8 cycles
Exit Count	8 cycles
Fallback	
Mode	DDIR
Time	00:30 mm:ss
ATR/VTR Fallback LRL	70 min ⁻¹
Ventricular Rate Regulation	Min
BiV Trigger	On
Maximum Pacing Rate	130 min ⁻¹

Atrial Tachy Response

Atrial Flutter Response	Off
PMT Termination	On

Ventricular Regulation

BiV Trigger	Off
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Brady/CRT**Normal Settings**

Mode	DDD
Lower Rate Limit	60 min ⁻¹
Maximum Tracking Rate	130 min ⁻¹
Maximum Sensor Rate	130 min ⁻¹
Paced AV Delay	160 - 180 ms
Sensed AV Delay	105 - 120 ms
A-Refractory (PVARP)	240 - 280 ms
RV-Refractory (RVRP)	230 - 250 ms
LV-Refractory (LVRP)	250 ms
Ventricular Pacing Chamber	BiV
LV Offset	-20 ms
PVARP after PVC	400 ms
LV Protection Period	400 ms

Blanking

A-Blank after V-Pace	Smart
A-Blank after RV-Sense	Smart
RV-Blank after A-Pace	65 ms
LV-Blank after A-Pace	Smart
Noise Response	DOO

Rate Enhancements

Rate Smoothing	
Up	Off
Down	Off
Rate Hysteresis	
Hysteresis Offset	Off
Tracking Preference	On

PaceSafe™ LV Automatic Threshold

Maximum Amplitude	5.0 V
Safety Margin	1.0 V

Pacing Output

● Atrial	Trend 2.0 V @ 0.4 ms
■ Right Ventricular	Auto 2.6 V @ 0.4 ms
◆ Left Ventricular (LVa)	Auto 2.7 V @ 0.4 ms
◆ Left Ventricular (LVb)	Off

Sensitivity

● Atrial	AGC 0.25 mV
■ Right Ventricular	AGC 0.6 mV
◆ Left Ventricular	AGC 1.0 mV

Leads Configuration (Pace/Sense)

● Atrial	
Pace	Bipolar
Sense	Bipolar
■ Right Ventricular	
Pace	Bipolar
Sense	Bipolar

Left Ventricular

Electrode Configuration	Quadripolar
Pace (LVa)	LVTip1>>LVRing2
Pace (LVb)	Off
Sense	LVRing2>>LVRing3

Rate Adaptive Pacing

Minute Ventilation	ATR Only
Response Factor	8
Fitness Level	Active
Ventilatory Threshold	115 min ⁻¹
Ventilatory Thresh. Response	70 %
Accelerometer	Passive

Minute Ventilation Sensor Settings

Minute Ventilation Sensor	ATR Only
Excitation Current	320 µA
Vector Selection	Auto Select
Signal Artifact Monitor	On

LV MultiSite Pacing

Pacing Order	Off
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Post-Therapy Settings

Lower Rate Limit	45 min ⁻¹	Post Therapy Period	00:30 mm:ss
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Output

● Atrial	5.0 V @ 1.0 ms
■ Right Ventricular	5.0 V @ 1.0 ms
◆ Left Ventricular	5.0 V @ 1.0 ms

Note: Post Therapy pacing uses the Brady Normal settings in combination with settings shown in this section.

Setup

Battery Setup

Beeper
Beep when Explant is Indicated On

Trending Setup

Recording Method 30 Second Average
Duration 25 hours
Data Storage Continuous

Sensor Activation

Heart Failure Sensor Suite On
Sleep Incline On

Sleep Schedule

Sleep Start Time 23:00 hh:mm
Sleep Duration 7 hour(s)

Leads Status Setup

	Daily Intrinsic Amplitude	Daily Impedance	Impedance Limits	Pace Threshold	Beep When Out-of-Range
 Atrial	On	On	200 - 2000 Ω	On	Off
 Right Ventricular	On	On	200 - 2000 Ω	On	Off
 Left Ventricular	On	On	200 - 2000 Ω	On	Off
Shock		On	20 - 125 Ω		Off

Beeper

Beeper Type Piezo
Note: The Piezo beeper is designed to withstand the strong magnetic fields associated with MRI scanners without being damaged.
Beeper On