

LATITUDE™ Patient Management - Quick Notes Report

Report Created: 11 Aug 2025



)

Date of Birth: 1950
Device: **RESONATE X4 CRT-D**
G447/348855
Clinic: **CHU Haut Leveque Bordeaux HOPIT**
Search Tags:
Tachy Mode: **Monitor + Therapy**

Latest Device Transmission: **10 Aug 2025 00:11 CEST**
Last Office Interrogation: **14 Apr 2025**
Implant Date: **14 Jan 2025**
Patient Group: **TACHY_CHU de Bordeaux (Primary)**

My Alerts

There are no alerts to display.

Events Since Last Reset (14 Jan 2025)

09 Aug 2025 13:42 RA Auto
09 Aug 2025 13:36 LV Auto
See last page for full list of Events Since Last Reset.

Battery 

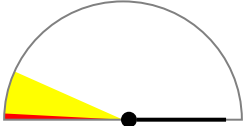
Approximate time to explant: **7.5 years** from 10 Aug 2025

Last Capacitor Re-form Charge Time

26 May 2025 01:33
9.9 s

One Year Remaining

Explant



Leads	Implant (14 Jan 2025)	Most Recent In-Office Measurement (14 Apr 2025)	Most Recent Daily Measurement (08 Aug 2025)
Atrial			
Intrinsic Amplitude	N/R	8.5 mV	6.8 mV
Pace Impedance	N/R	512 Ω	508 Ω
Pace Threshold	N/R	0.6 V @ 0.4 ms	0.5 V @ 0.4 ms
Right Ventricular			
Intrinsic Amplitude	N/R	>25.0 mV	N/R
Pace Impedance	N/R	605 Ω	564 Ω
Pace Threshold	N/R	0.4 V @ 0.4 ms	0.4 V @ 0.4 ms
Left Ventricular			
Intrinsic Amplitude	N/R	22.5 mV	23.0 mV
Pace Impedance (LVa)	N/R	597 Ω	523 Ω
Pace Impedance (LVb)		575 Ω	
Pace Threshold	N/R	0.7 V @ 0.4 ms	0.8 V @ 0.4 ms
Shock			
Shock Impedance	N/R	80 Ω	73 Ω

Brady/CRT Counters	Since Last Reset 14 Jan 2025
Atrial	25 % Paced
Right Ventricular	99 % Paced
Left Ventricular (LVa)	86 % Paced
Left Ventricular (LVb)	0 % Paced

Atrial Arrhythmia Counters	Since Last Reset 14 Jan 2025
% AT/AF	0

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	ATP2 Off		41 J, 41 J, 41 Jx4
Atrial Tachy		Pacing Output			
ATR Mode Switch	170 min ⁻¹	DDI	Atrial		Trend 3.5 V @ 0.4 ms
Brady/CRT			Right Ventricular		Trend 3.5 V @ 0.4 ms
Mode		DDD	Left Ventricular (LVa)		Trend 3.5 V @ 0.4 ms
Lower Rate Limit		60 min ⁻¹	Left Ventricular (LVb)		Off
Maximum Tracking Rate		140 min ⁻¹	Sensitivity		
Paced AV Delay		110 - 130 ms	Atrial		AGC 0.25 mV
Sensed AV Delay		95 - 110 ms	Right Ventricular		AGC 0.6 mV
A-Refractory (PVARP)		240 - 280 ms	Left Ventricular		AGC 1.0 mV
RV-Refractory (RVRP)		210 - 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)		LVTip1>>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 (14 Jan 2025)	
09 Aug 2025 13:42	RA Auto
09 Aug 2025 13:36	LV Auto
09 Aug 2025 13:34	RV Auto
07 Aug 2025 19:40	RA Auto
07 Aug 2025 19:36	LV Auto
07 Aug 2025 19:34	RV Auto
02 Aug 2025 13:40	RA Auto
02 Aug 2025 13:36	LV Auto
02 Aug 2025 13:34	RV Auto
28 Jul 2025 07:38	RA Auto
28 Jul 2025 07:37	LV Auto
28 Jul 2025 07:35	RV Auto
23 Jul 2025 22:41	RA Auto
23 Jul 2025 22:36	LV Auto
23 Jul 2025 22:34	RV Auto



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Device: **RESONATE X4 CRT-D**
G447/348855
Clinic: **CHU Haut Leveque Bordeaux HOPIT**
Search Tags:
Tachy Mode: **Monitor + Therapy**

Latest Device Transmission: **10 Aug 2025 00:11 CEST**
Last Office Interrogation: **14 Apr 2025**
Implant Date: **14 Jan 2025**
Patient Group: **TACHY_CHU de Bordeaux (Primary)**

Presenting EGM (10 Aug 2025)

EGM displayed at 25mm per second

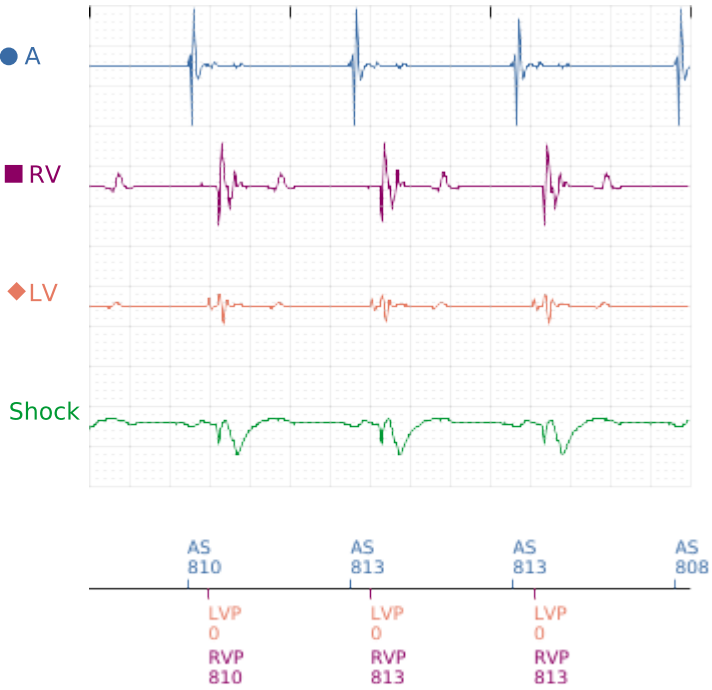


AS	AS 803	AS 800	AS 805	AS 820	AS 833	AS 833	AS 845	AS 850
RVP [LVS]	LVP 0	LVP 0	LVP 0	LVP 0	LVP 0	LVP 0	LVP 0	LVP 0
Inh-LVP	RVP 803	RVP 803	RVP 803	RVP 823	RVP 830	RVP 835	RVP 845	RVP 850



AS 850	AS 845	AS 840	AS 850	AS 830	AS 825	AS 828	AS 825
LVP 0	LVP 0	RVP [LVS]	LVP 0	LVP 0	LVP 0	LVP 0	LVP 0
RVP 858	RVP 850	Inh-LVP	RVP 850	RVP 830	RVP 825	RVP 825	RVP 825





LATITUDE™ Patient Management - Combined Follow-up Report

Report Created: 11 Aug 2025



Date of Birth:

Device: **RESONATE X4 CRT-D**
G447/348855

Clinic: **CHU Haut Leveque Bordeaux HOPIT**

Search Tags:

Tachy Mode: **Monitor + Therapy**

Latest Device Transmission: **10 Aug 2025 00:11 CEST**

Last Office Interrogation: **14 Apr 2025**

Implant Date: **14 Jan 2025**

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

My Alerts

There are no alerts to display.

Events Since Last Reset (14 Jan 2025)

09 Aug 2025 13:42RA Auto

09 Aug 2025 13:36LV Auto

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

Battery

OK

Approximate time to explant: **7.5 years** from 10 Aug 2025

Last Capacitor Re-form

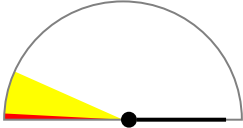
26 May 2025 01:33

Charge Time

9.9 s

One Year Remaining

Explant



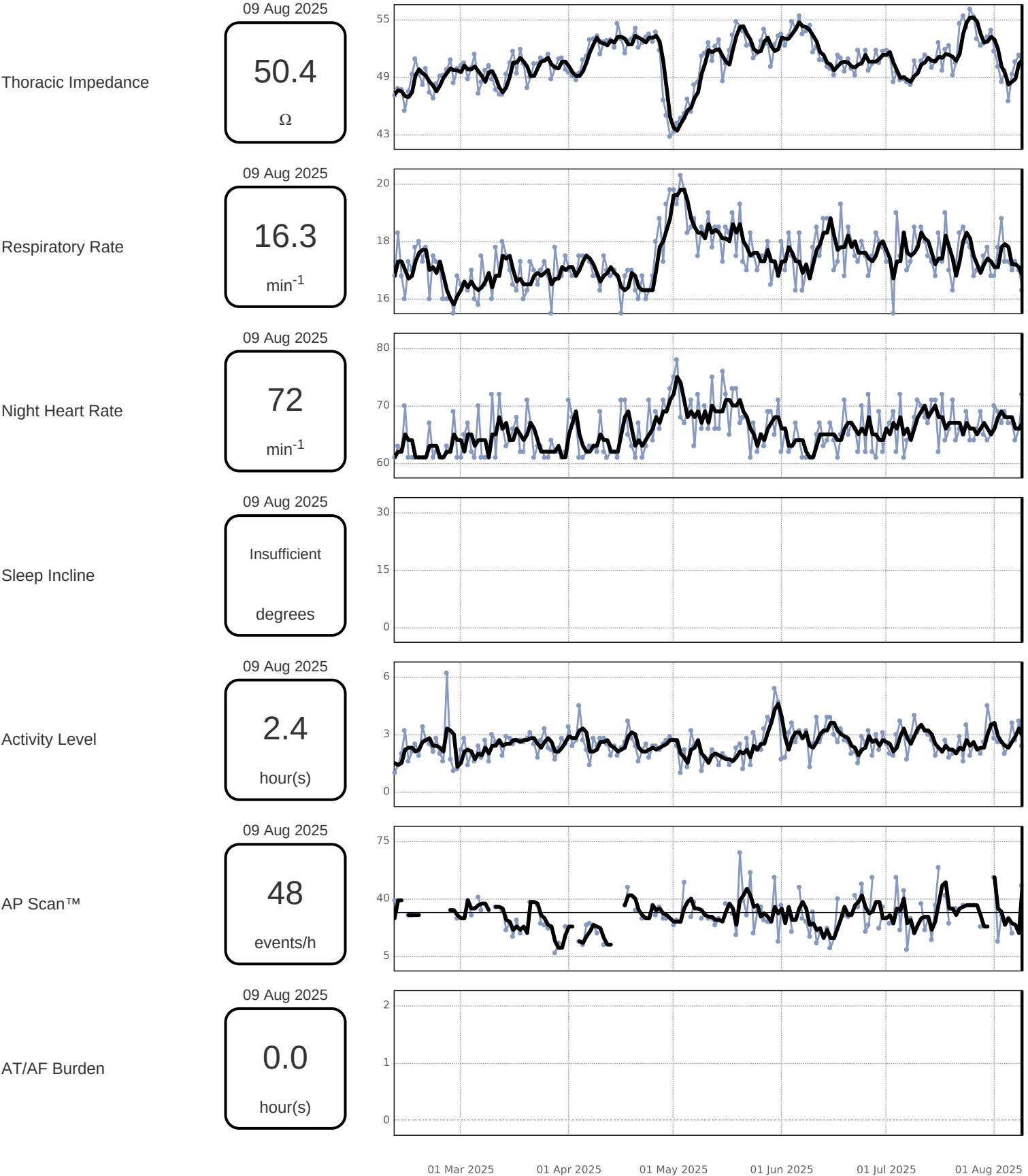
See last page for additional battery information.

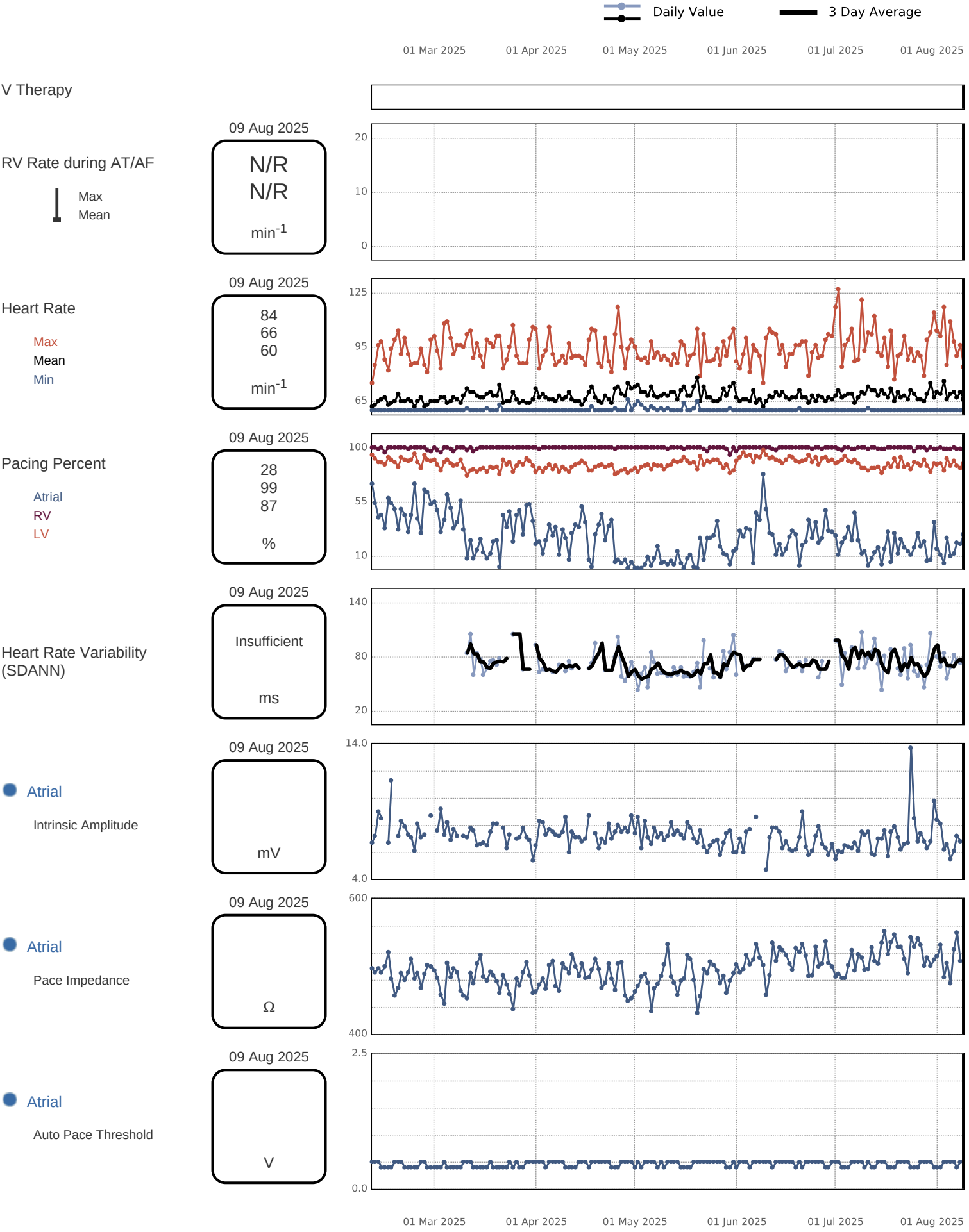
Leads	Implant (14 Jan 2025)	Most Recent In-Office Measurement (14 Apr 2025)	Most Recent Daily Measurement (08 Aug 2025)
● Atrial			
Intrinsic Amplitude	N/R	8.5 mV	6.8 mV
Pace Impedance	N/R	512 Ω	508 Ω
Pace Threshold	N/R	0.6 V @ 0.4 ms	0.5 V @ 0.4 ms
■ Right Ventricular			
Intrinsic Amplitude	N/R	>25.0 mV	N/R
Pace Impedance	N/R	605 Ω	564 Ω
Pace Threshold	N/R	0.4 V @ 0.4 ms	0.4 V @ 0.4 ms
◆ Left Ventricular			
Intrinsic Amplitude	N/R	22.5 mV	23.0 mV
Pace Impedance (LVa)	N/R	597 Ω	523 Ω
Pace Impedance (LVb)		575 Ω	
Pace Threshold	N/R	0.7 V @ 0.4 ms	0.8 V @ 0.4 ms
Shock			
Shock Impedance	N/R	80 Ω	73 Ω

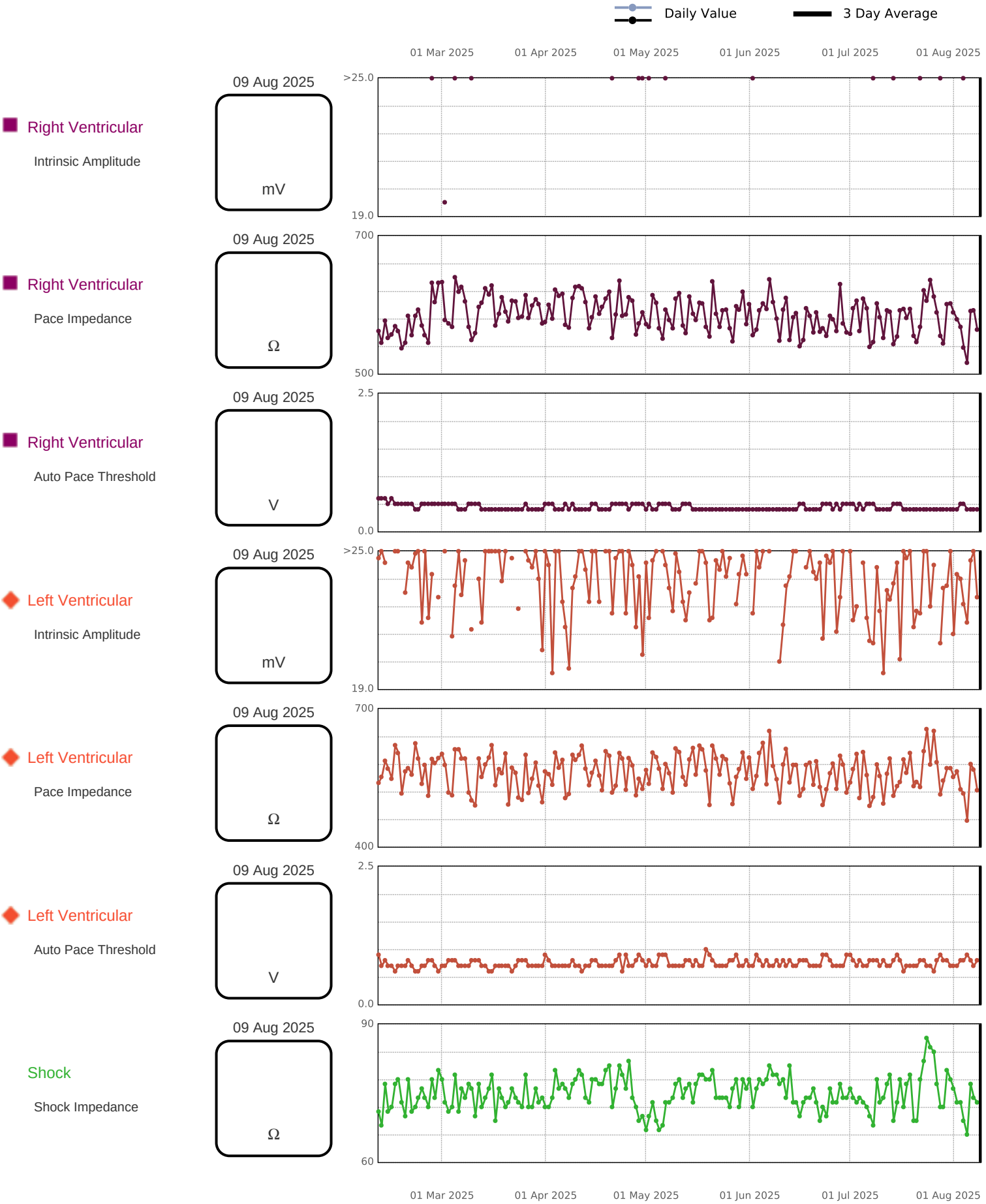
Settings					
Ventricular Tachy					
VF	230 min ⁻¹	ATP			41 J, 41 J, 41 Jx6
VT	185 min ⁻¹	Scan	ATP2 Off		41 J, 41 J, 41 Jx4
Atrial Tachy		Pacing Output			
ATR Mode Switch	170 min ⁻¹	DDI	Atrial	Trend 3.5 V @ 0.4 ms	
Brady/CRT			Right Ventricular	Trend 3.5 V @ 0.4 ms	
Mode		DDD	Left Ventricular (LVa)	Trend 3.5 V @ 0.4 ms	
Lower Rate Limit		60 min ⁻¹	Left Ventricular (LVb)	Off	
Maximum Tracking Rate		140 min ⁻¹	Sensitivity		
Paced AV Delay		110 - 130 ms	Atrial	AGC 0.25 mV	
Sensed AV Delay		95 - 110 ms	Right Ventricular	AGC 0.6 mV	
A-Refractory (PVARP)		240 - 280 ms	Left Ventricular	AGC 1.0 mV	
RV-Refractory (RVRP)		210 - 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)	LVTip1>>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 14 Jan 2025	Device Totals
Ventricular Episode Counters		
Total Episodes	0	0
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	0	0
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 N/R day(s)	Since Last Reset 207 day(s) 14 Jan 2025 to 10 Aug 2025
Counters		
% A Paced	0	25
% RV Paced	0	99
% LVa Paced	0	86
% LVb Paced	0	0
Intrinsic Promotion		
Rate Hysteresis		
% Successful	0	0
Atrial Arrhythmia		
% AT/AF	N/R	0
Total Time in AT/AF (min)	N/R	0.0
Episodes by Duration		
< 1 minute	0	0
1 min - < 1 hr	0	0
1 hr - < 24 hr	0	0
24 hr - < 48 hr	0	0
> 48 hr	0	0
Total PACs	0	3112
Ventricular Counters		
Total PVCs	0	94046
Three or More PVCs	0	2

Clinical Counters	Since Last Reset 14 Jan 2025	Device Totals
MRI Protection Mode	0	0

AT/AF Overview: Since Last Reset (14 Jan 2025 to 10 Aug 2025)		
AT/AF: 0 %	AT/AF Events: 0	Total Time in AT/AF (min): 0.0
There are no ATR events to display.		

AT/AF Overview: Reset Before Last		
There are no ATR events to display.		

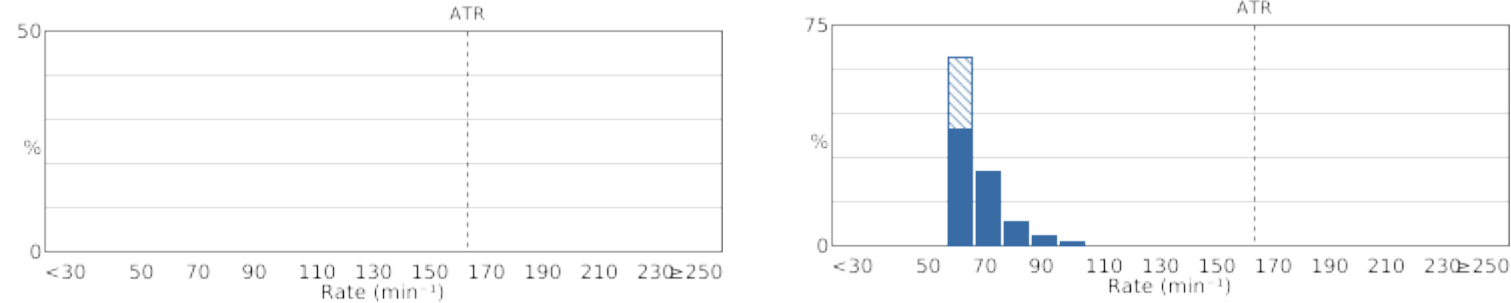
Histograms



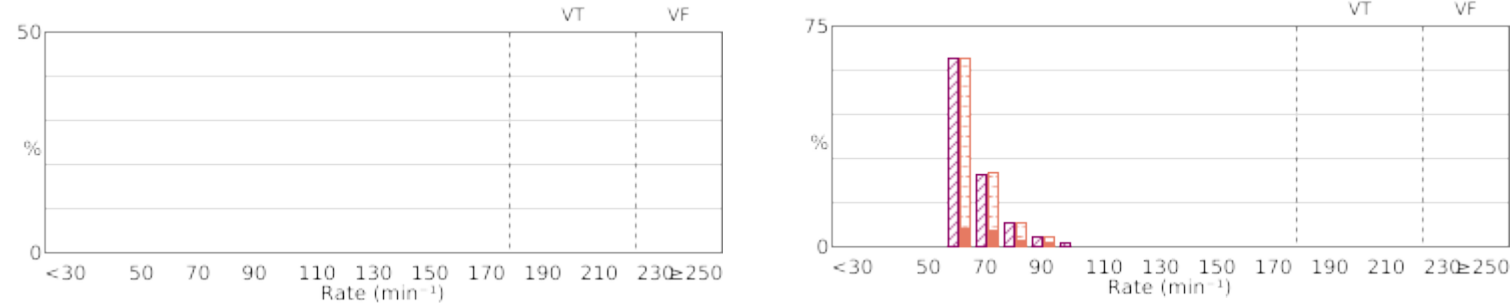
Reset Before Last
N/R day(s)

Since Last Reset
207 day(s)
14 Jan 2025 to 10 Aug 2025

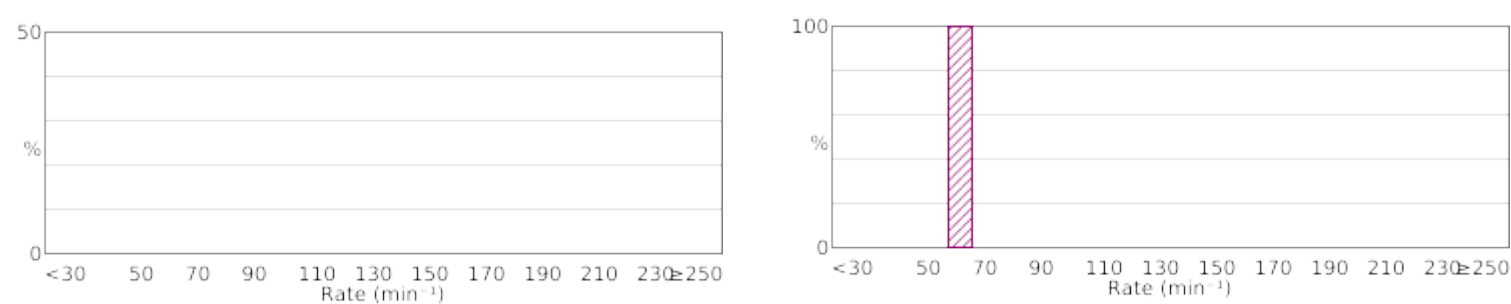
Atrial Activity



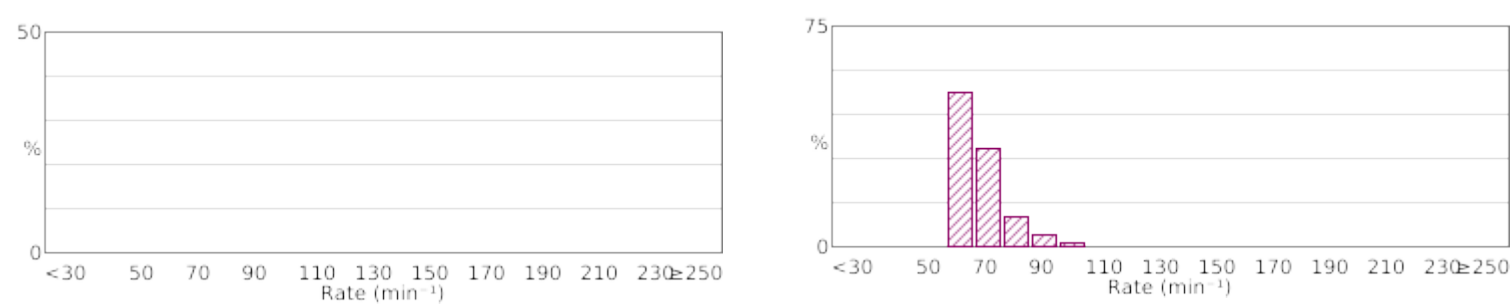
Ventricular Activity



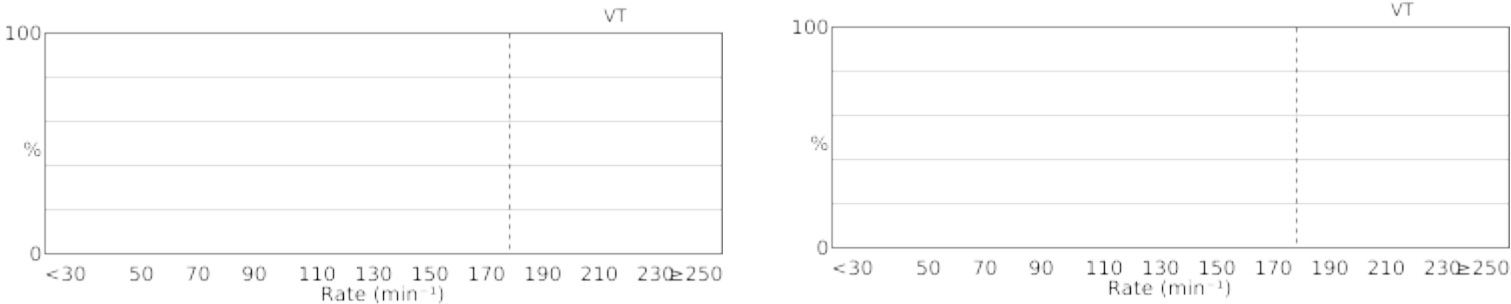
Ventricular Response to Atrial Pace



Ventricular Response to Atrial Sense



RV Rate during AT/AF



Histogram Rate Counts

Atrial		Reset Before Last N/R day(s)	Since Last Reset 207 day(s) 14 Jan 2025 to 10 Aug 2025	
			Paced	Sensed
Rate (min ⁻¹)			Paced	Sensed
0-29			0	0
30-39			0	235
40-49			0	8.3K
50-59			6.0K	6.5K
60-69			5.1M	7.8M
70-79			9.6K	4.9M
80-89			3.8K	1.5M
90-99			2.2K	544.2K
100-109			664	120.1K
110-119			455	15.8K
120-129			0	3.9K
130-139			0	884
140-149			0	218
150-159			0	135
160-169			0	108
170-179			0	83
180-189			0	61
190-199			0	44
200-209			0	24
210-219			0	20
220-229			0	18
230-239			0	20
240-249			0	7
>=250			0	78

Right Ventricular		Reset Before Last N/R day(s)	Since Last Reset 207 day(s) 14 Jan 2025 to 10 Aug 2025	
			Paced	Sensed
Rate (min ⁻¹)			Paced	Sensed
0-29			0	0
30-39			0	0
40-49			0	3
50-59			385	5
60-69			12.9M	460
70-79			4.9M	1.7K
80-89			1.5M	4.5K
90-99			551.0K	30.2K
100-109			123.1K	63.4K
110-119			17.4K	16.5K
120-129			3.9K	9.6K
130-139			898	1.6K
140-149			376	271
150-159			0	88
160-169			0	23
170-179			0	10
180-189			0	7
190-199			0	5
200-209			0	0
210-219			0	1
220-229			0	2
230-239			0	9
240-249			0	0
>=250			0	4

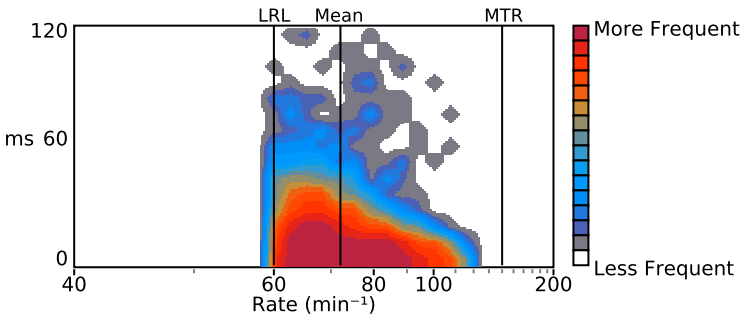
Left Ventricular			Reset Before Last N/R day(s)		Since Last Reset 207 day(s) 14 Jan 2025 to 10 Aug 2025	
Rate (min ⁻¹)		Paced	Sensed	Paced	Sensed	
0-29				0	97	
30-39				2	11	
40-49				19	9	
50-59				13.2K	129	
60-69				11.7M	1.1M	
70-79				4.0M	917.2K	
80-89				1.2M	382.1K	
90-99				410.7K	231.1K	
100-109				95.5K	60.2K	
110-119				14.9K	6.7K	
120-129				3.9K	2.0K	
130-139				975	879	
140-149				367	525	
150-159				10	153	
160-169				0	42	
170-179				2	59	
180-189				0	64	
190-199				1	36	
200-209				0	5	
210-219				0	2	
220-229				0	2	
230-239				0	55	
240-249				0	0	
≥250				127	0	

RV Rate during AT/AF		Reset Before Last N/R day(s)		Since Last Reset 207 day(s) 14 Jan 2025 to 10 Aug 2025	
Rate (min ⁻¹)		Paced	Sensed	Paced	Sensed
0-29				0	0
30-39				0	0
40-49				0	0
50-59				0	0
60-69				0	0
70-79				0	0
80-89				0	0
90-99				0	0
100-109				0	0
110-119				0	0
120-129				0	0
130-139				0	0
140-149				0	0
150-159				0	0
160-169				0	0
170-179				0	0
180-189				0	0
190-199				0	0
200-209				0	0
210-219				0	0
220-229				0	0
230-239				0	0
240-249				0	0
>=250				0	0

Heart Rate Variability

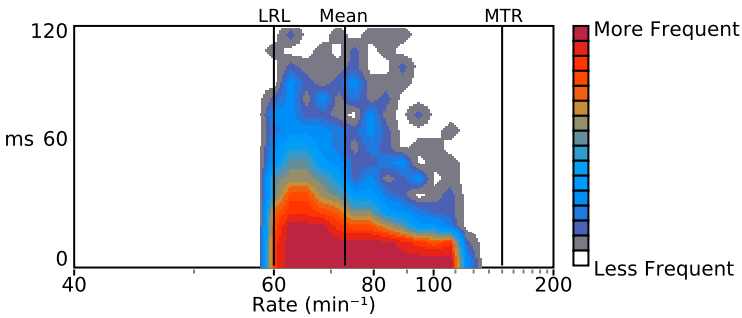
Last measured for 24-hr period ending 08 Aug 2025 02:32

% of Time Used	73
Footprint	24 %
SDANN	73 ms
Mode	DDD
Sensed AV Delay	95 - 110 ms
Ventricular Pacing Chamber	BiV
LV Offset	0 ms



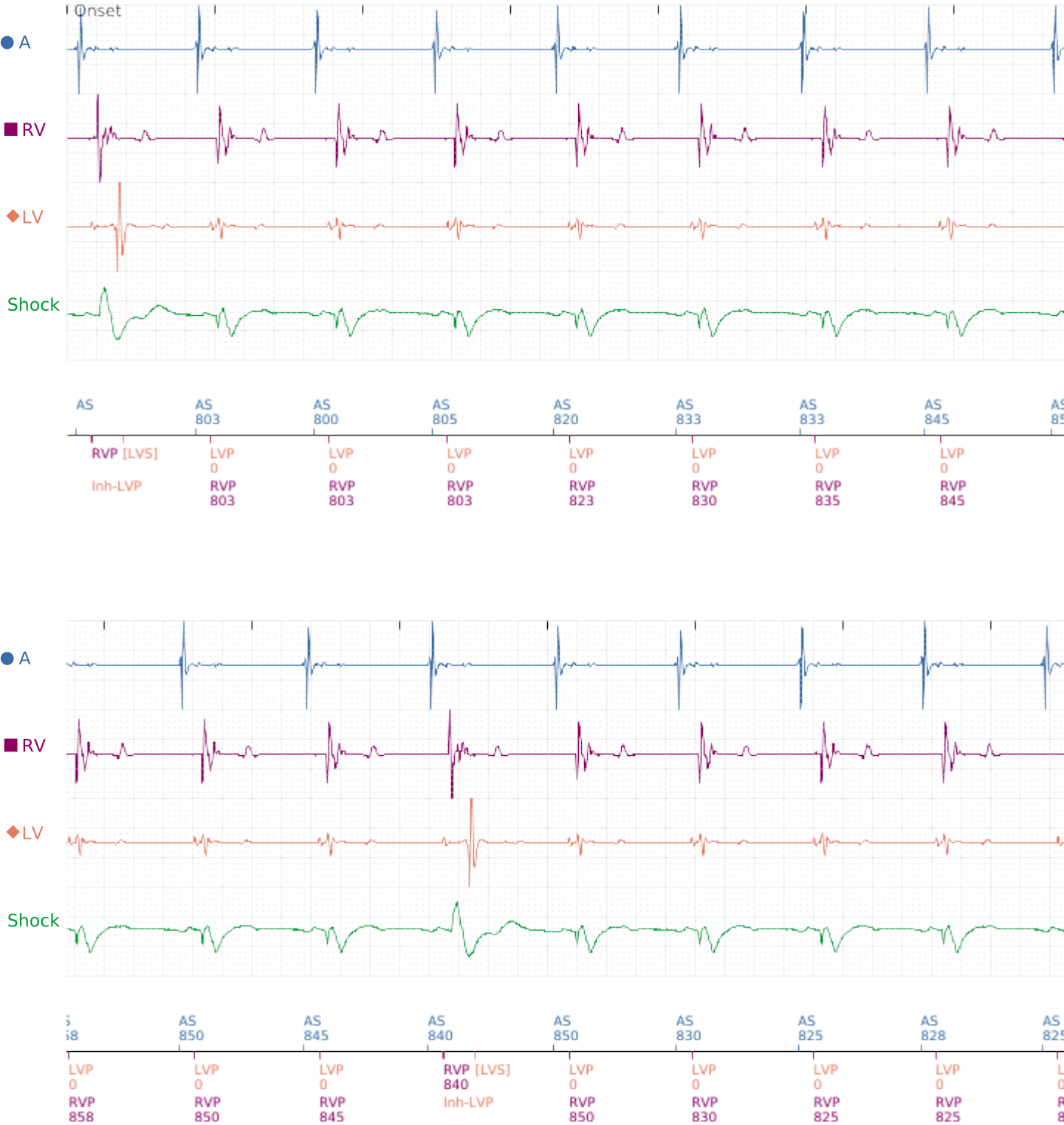
Reference: 24-hr period ending 18 Jan 2025 00:17

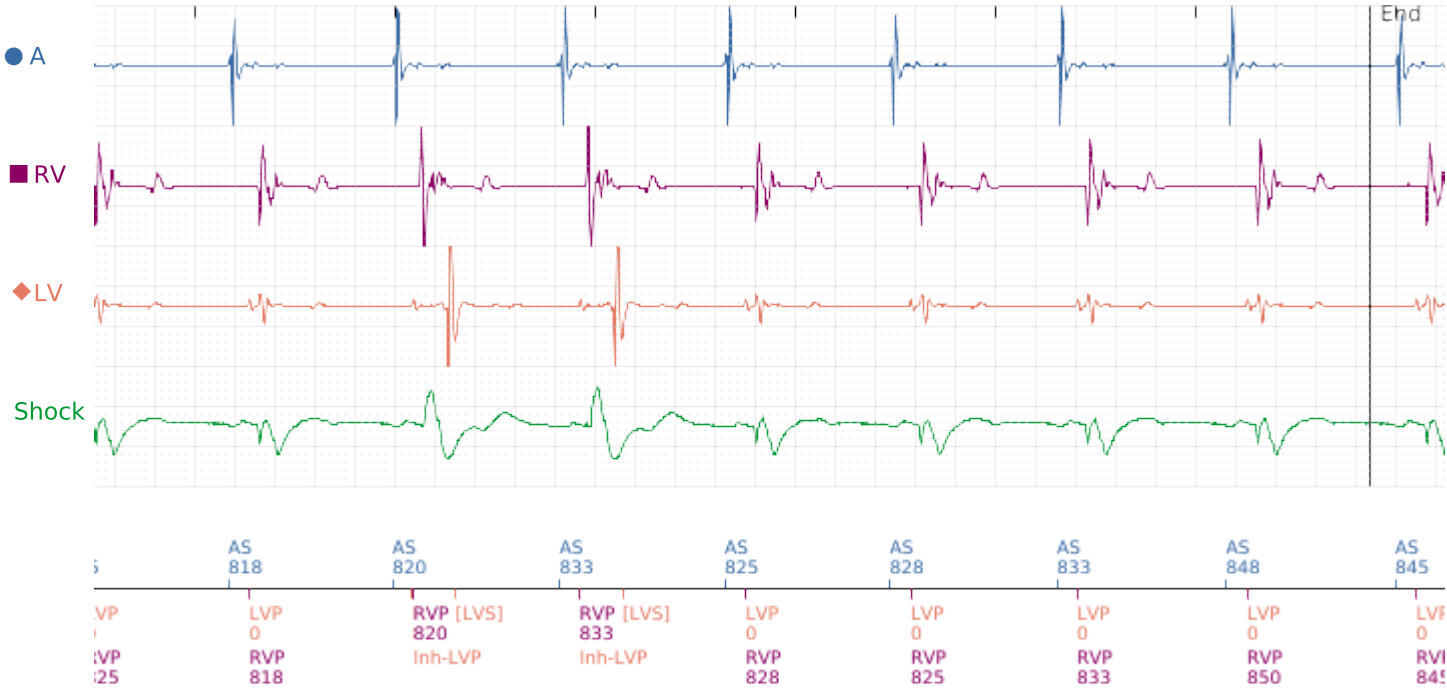
% of Time Used	84
Footprint	27 %
SDANN	96 ms
Mode	DDD
Sensed AV Delay	95 - 110 ms
Ventricular Pacing Chamber	BiV
LV Offset	0 ms

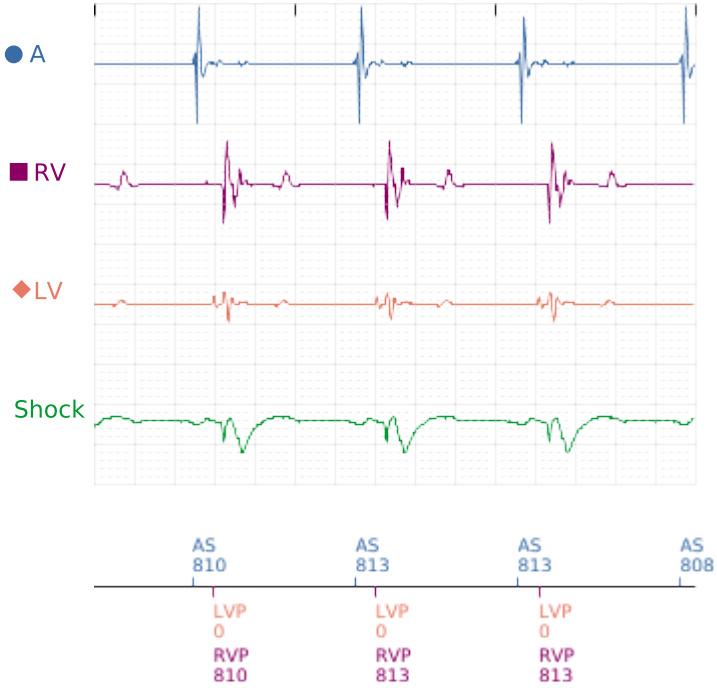


Presenting EGM (10 Aug 2025)

EGM displayed at 25mm per second







All Events Since Last Reset (14 Jan 2025)

09 Aug 2025 13:42	RA Auto
09 Aug 2025 13:36	LV Auto
09 Aug 2025 13:34	RV Auto
07 Aug 2025 19:40	RA Auto
07 Aug 2025 19:36	LV Auto
07 Aug 2025 19:34	RV Auto
02 Aug 2025 13:40	RA Auto
02 Aug 2025 13:36	LV Auto
02 Aug 2025 13:34	RV Auto
28 Jul 2025 07:38	RA Auto
28 Jul 2025 07:37	LV Auto
28 Jul 2025 07:35	RV Auto
23 Jul 2025 22:41	RA Auto
23 Jul 2025 22:36	LV Auto
23 Jul 2025 22:34	RV Auto

Battery (Continued)

Last Delivered Shock	N/R	Time Since Implant	7 months
Energy	N/R	Charge Remaining	1.94 ampere-hours
Charge Time	N/R	Power Consumption	71 μW
Shock Impedance	N/R	(Measured with programmed parameters)	
Beep when Explant is Indicated	On	This device is using 142% 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