



Date of Birth: [REDACTED]  
Device: **RESONATE HF CRT-D**  
[REDACTED]  
Clinic: [REDACTED]  
Search Tags:  
Tachy Mode: **Monitor + Therap**

Latest Device Transmission: [REDACTED]  
Last Office Interrogation: [REDACTED]  
Implant Date: [REDACTED]  
Patient Group: **CRT-D/ICD (Primary)**

## My Alerts

There are no alerts to display.

### Events Since Last Reset (May 28, 2025)

Jun 17, 2025 09:25	RA Auto
Jun 11, 2025 06:24	RA Auto

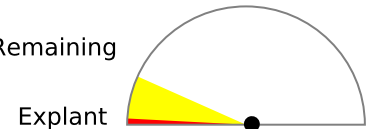
See last page for full list of Events Since Last Reset.

**Battery** 

Approximate time to explant: **6.5 years** from Jun 17, 2025

Last Capacitor Re-form	Apr 25, 2025 13:18
Charge Time	9.2 s

## One Year Remaining



See last page for additional battery information.

Leads	Implant (May 05, 2025)	Most Recent In-Office Measurement (May 28, 2025)	Most Recent Daily Measurement (Jun 17, 2025)
<div><div></div><div>Atrial</div></div>			
Intrinsic Amplitude	3.0 mV	2.5 mV	2.3 mV (Jun 16, 2025)
Pace Impedance	500 Ω	745 Ω	680 Ω (Jun 16, 2025)
Pace Threshold	0.5 V @ 0.4 ms	0.9 V @ 0.4 ms	0.4 V @ 0.4 ms (Jun 16, 2025)
<div><div></div><div>Right Ventricular</div></div>			
Intrinsic Amplitude	4.0 mV	N/R	3.4 mV (Jun 16, 2025)
Pace Impedance	500 Ω	349 Ω	331 Ω (Jun 16, 2025)
Pace Threshold	0.6 V @ 0.4 ms	1.9 V @ 0.4 ms	N/R
<div><div></div><div>Left Ventricular</div></div>			
Intrinsic Amplitude	>25.0 mV	N/R	10.9 mV (Jun 16, 2025)
Pace Impedance (LVa)	1000 Ω	1021 Ω	1012 Ω (Jun 16, 2025)
Pace Impedance (LVb)		679 Ω	
Pace Threshold	0.6 V @ 0.4 ms	1.3 V @ 0.4 ms	N/R (Jun 16, 2025)
<div><div></div><div>Shock</div></div>			
Shock Impedance	70 Ω	64 Ω	60 Ω (Jun 16, 2025)

Settings

Ventricular Tachy					
VF	230 bpm		ATP		41 J, 41 J, 41 Jx6
VT	180 bpm		Scan	ATP2 Off	41 J, 41 J, 41 Jx4
VT-1	150 bpm		Monitor Only		
Atrial Tachy			Pacing Output		
ATR Mode Switch	170 bpm	DDIR	<div></div> Atrial		Trend 3.5 V @ 0.4 ms
Brady/CRT			<div></div> Right Ventricular		3.5 V @ 1.0 ms
Mode		DDDR	<div></div> Left Ventricular (LVa)		Trend 3.5 V @ 0.4 ms
Lower Rate Limit		60 ppm	<div></div> Left Ventricular (LVb)		Off
Maximum Tracking Rate		130 ppm	Sensitivity		
Maximum Sensor Rate		130 ppm	<div></div> Atrial		AGC 0.25 mV
Paced AV Delay		120 - 180 ms	<div></div> Right Ventricular		AGC 0.6 mV
Sensed AV Delay		80 - 120 ms	<div></div> Left Ventricular		AGC 1.0 mV
A-Refractory (PVARP)		300 - 350 ms	Leads Configuration (Pace/Sense)		
RV-Refractory (RVRP)		230 - 250 ms	<div></div> Atrial		Bipolar
LV-Refractory (LVRP)		250 ms	<div></div> Right Ventricular		Bipolar
Ventricular Pacing Chamber		BiV	<div></div> LVa (Pace)		LVRing2>>LVRing3
LV Offset		0 ms	<div></div> LVb (Pace)		Off
			<div></div> LV (Sense)		LVTip1>>LVRing2
			Rate Adaptive Pacing		
			Minute Ventilation		On
			Accelerometer		On
			LV MultiSite Pacing		
			Pacing Order		Off

Rhythm ID Update

Last Successful Completion	N/R
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HeartLogic™ Heart Failure Index

10

Jun 16, 2025



The HeartLogic Heart Failure Index alert is currently disabled.

Trend Graphs

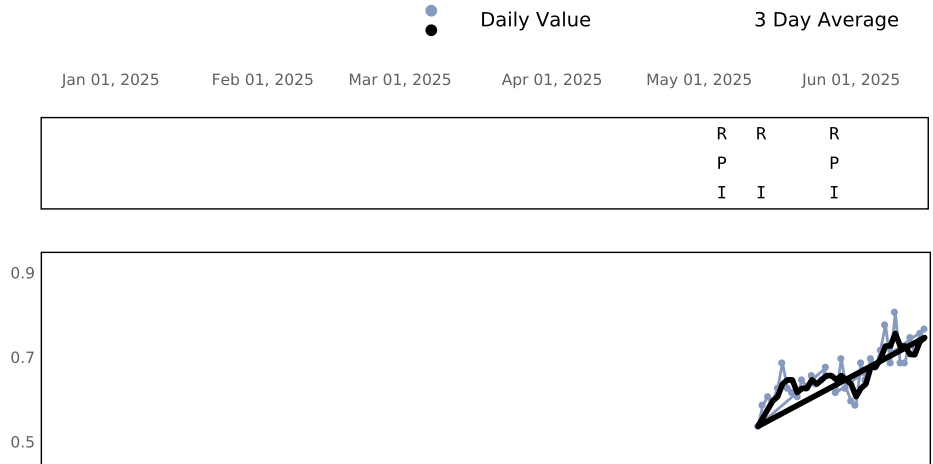
R = Counter Reset  
P = Program  
I = Office Interrogation

S3

Jun 16, 2025

0.77

mG



S1

Jun 16, 2025

1.90

mG



Thoracic Impedance

Jun 16, 2025

35.1

Ω

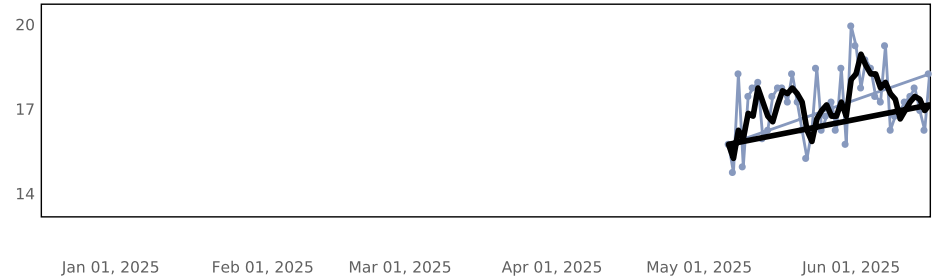


Respiratory Rate

Jun 17, 2025

18.3

rpm



● Daily Value  
●

3 Day Average

Jan 01, 2025 Feb 01, 2025 Mar 01, 2025 Apr 01, 2025 May 01, 2025 Jun 01, 2025

Jun 16, 2025

Night Heart Rate

62

bpm

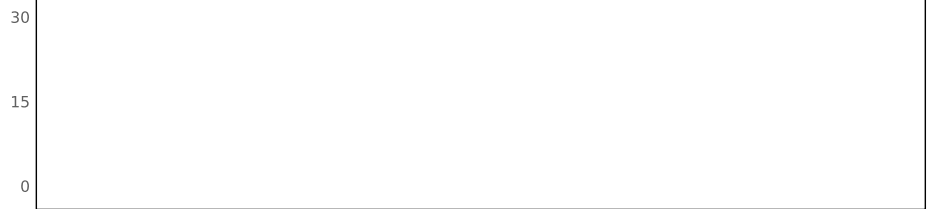


Jun 16, 2025

Sleep Incline

Insufficient

degrees

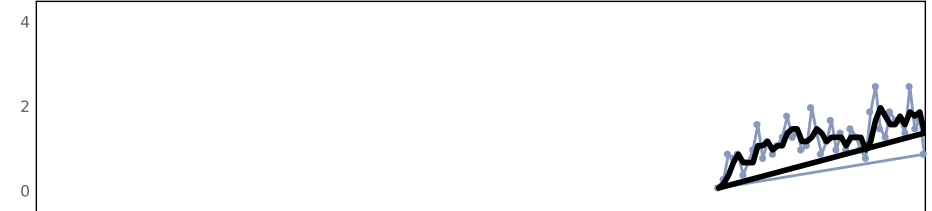


Jun 17, 2025

Activity Level

0.9

hour(s)



Jun 17, 2025

AT/AF Burden

0.0

hour(s)



V Therapy



Jun 17, 2025

RV Rate during AT/AF

N/R  
N/R

bpm

Max  
Mean



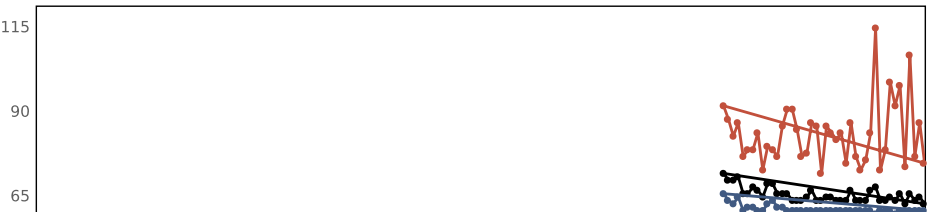
Jun 17, 2025

Heart Rate

75  
63  
61

bpm

Max  
Mean  
Min



Jun 17, 2025

Pacing Percent

96  
95  
99

%

Atrial  
RV  
LV



Jan 01, 2025 Feb 01, 2025 Mar 01, 2025 Apr 01, 2025 May 01, 2025 Jun 01, 2025

Heart Rate Variability (SDANN)

Atrial  
Intrinsic Amplitude

Atrial  
Pace Impedance

Atrial  
Auto Pace Threshold

Right Ventricular  
Intrinsic Amplitude

Right Ventricular  
Pace Impedance

Right Ventricular  
Auto Pace Threshold

Jun 17, 2025

Insufficient

ms

Jun 17, 2025

mV

Jun 17, 2025

$\Omega$

Jun 17, 2025

V

Jun 17, 2025

mV

Jun 17, 2025

$\Omega$

Jun 17, 2025

No data collected

V

Daily Value

3 Day Average

Jan 01, 2025

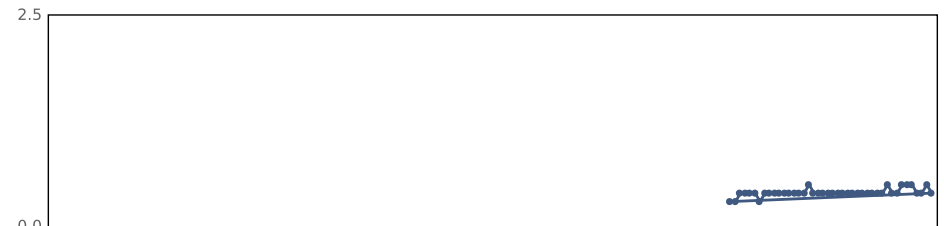
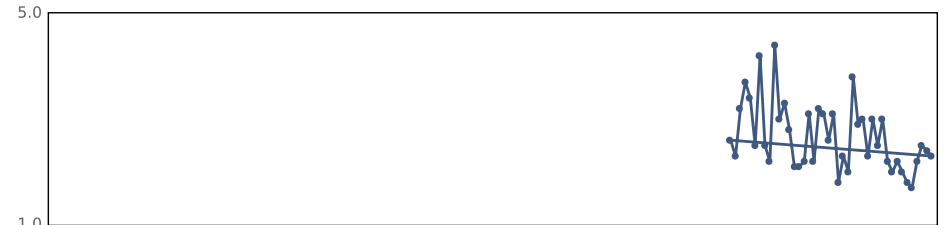
Feb 01, 2025

Mar 01, 2025

Apr 01, 2025

May 01, 2025

Jun 01, 2025



Jan 01, 2025

Feb 01, 2025

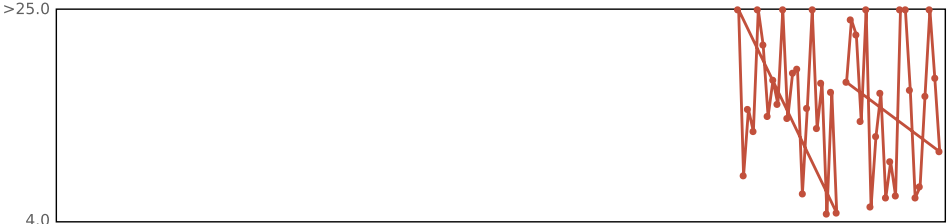
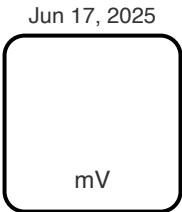
Mar 01, 2025

Apr 01, 2025

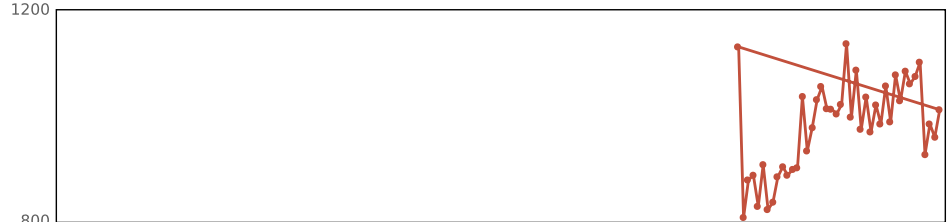
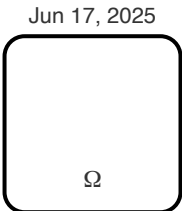
May 01, 2025

Jun 01, 2025

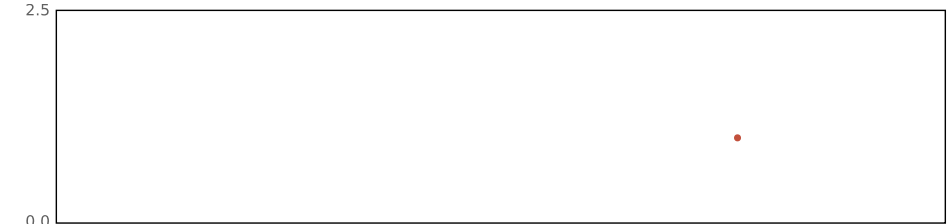
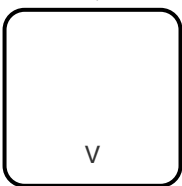
Left Ventricular  
Intrinsic Amplitude



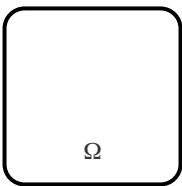
Left Ventricular  
Pace Impedance




Left Ventricular  
Auto Pace Threshold



Shock  
Shock Impedance



Ventricular Tachy Counters	Since Last Reset May 28, 2025	Device Totals
<b>Ventricular Episode Counters</b>		
Total Episodes	2	5
<b>Treated</b>		
VF Therapy	0	0
VT Therapy	0	0
VT-1 Therapy	0	0
Commanded Therapy	0	0
<b>Non-Treated</b>		
No Therapy Programmed	0	0
 NonsustainedV Episodes	2	5
Other Untreated Episodes	0	0
<b>Ventricular Therapy Counters</b>		
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 14 day(s) May 13, 2025 to May 28, 2025	Since Last Reset 20 day(s) May 28, 2025 to Jun 17, 2025
<b>Counters</b>		
% A Paced	78	84
% RV Paced	92	93
% LVa Paced	98	98
% LVb Paced	0	0
<b>Intrinsic Promotion</b>		
Rate Hysteresis		
% Successful	0	0
<b>Atrial Arrhythmia</b>		
% AT/AF	<1	0
Total Time in AT/AF (min)	0.2	0.0
Episodes by Duration		
< 1 minute	1	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	13236	12705
<b>Ventricular Counters</b>		
Total PVCs	3344	3760
Three or More PVCs	9	6
Clinical Counters	Since Last Reset May 28, 2025	Device Totals
MRI Protection Mode	0	0
<b>AT/AF Overview: Since Last Reset (May 28, 2025 to Jun 17, 2025)</b>		
AT/AF: 0 %	AT/AF Events: 0	Total Time in AT/AF (min): 0.0
There are no ATR events to display.		
<b>AT/AF Overview: Reset Before Last (May 13, 2025 to May 28, 2025)</b>		
Longest: May 20, 2025 20:29	Avg V Rate: 73 bpm	Duration: 00:00:10 hh:mm:ss
Fastest RVS Rate: May 20, 2025 20:29	Max V Rate: N/R	Duration: 00:00:10 hh:mm:ss

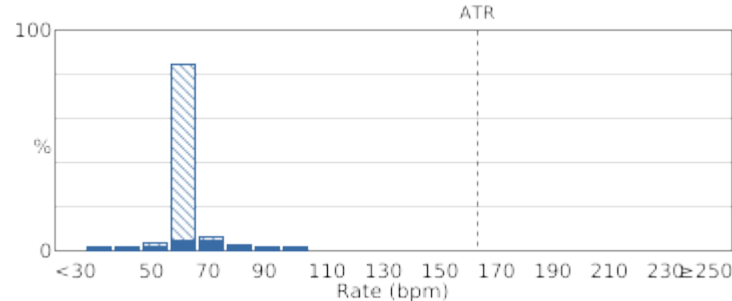
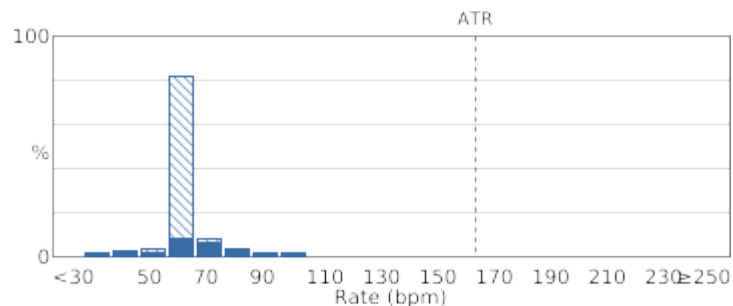
## Histograms



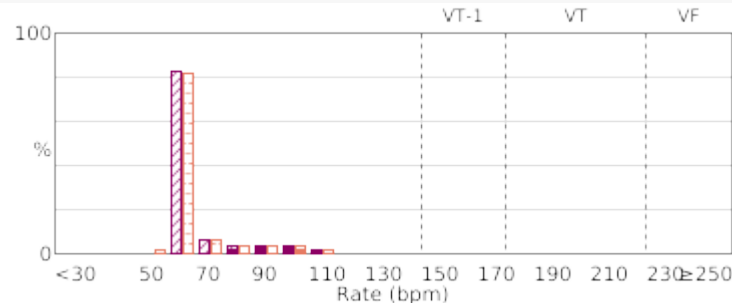
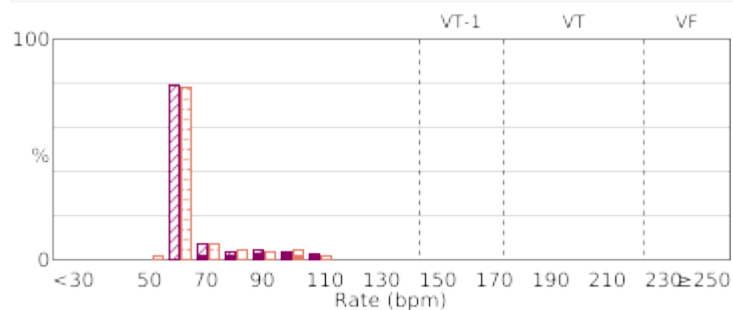
Reset Before Last  
14 day(s)  
May 13, 2025 to May 28, 2025

Since Last Reset  
20 day(s)  
May 28, 2025 to Jun 17, 2025

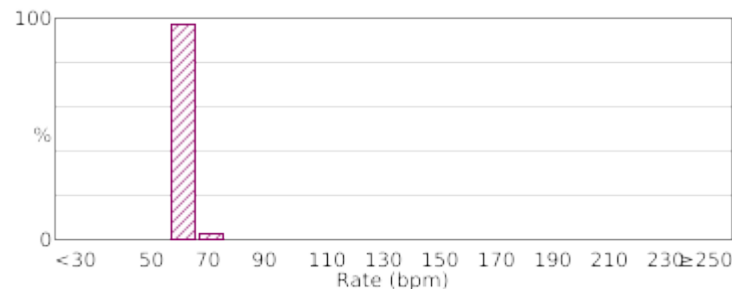
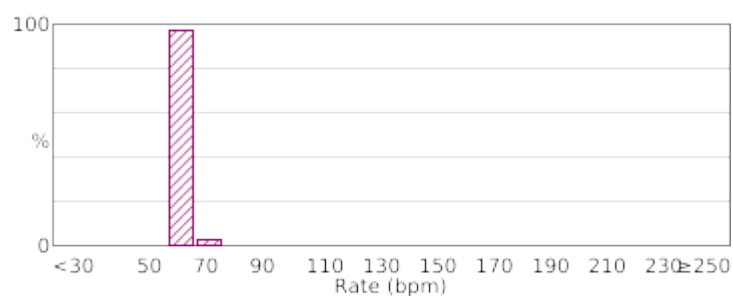
### Atrial Activity



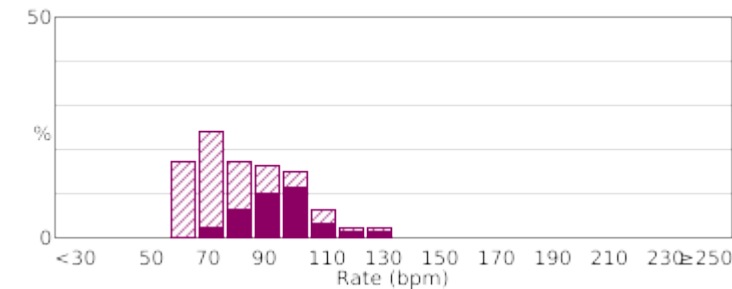
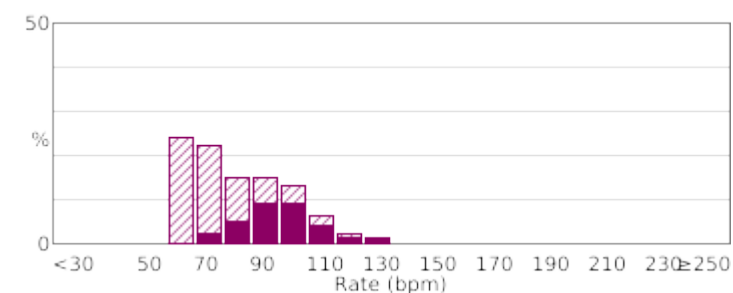
### Ventricular Activity



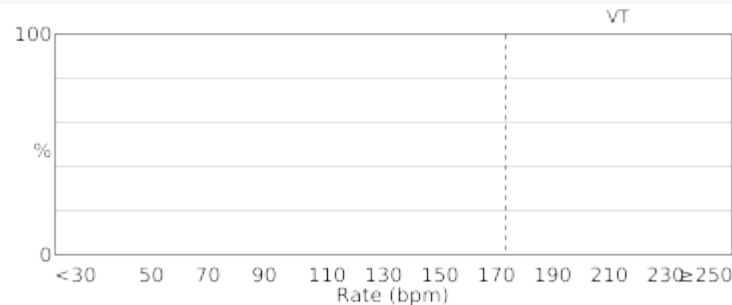
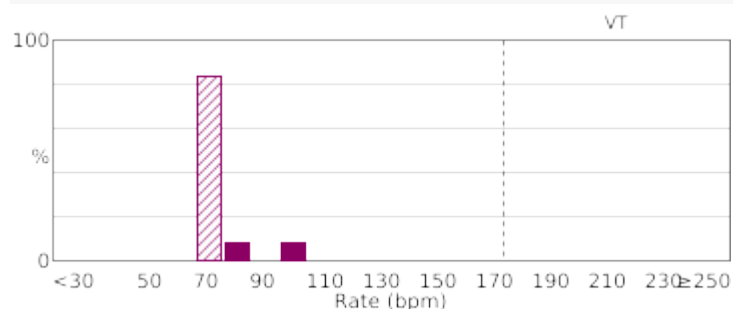
### Ventricular Response to Atrial Pace



### Ventricular Response to Atrial Sense



### RV Rate during AT/AF





## Histogram Rate Counts

Atrial	Reset Before Last 14 day(s)		Since Last Reset 20 day(s)	
	May 13, 2025 to May 28, 2025		May 28, 2025 to Jun 17, 2025	
	Rate (bpm)	Paced	Sensed	Paced
0-29	0	988	0	1.2K
30-39	0	6.5K	0	10.2K
40-49	18	19.3K	15	23.1K
50-59	27.9K	18.0K	26.9K	14.2K
60-69	939.4K	102.8K	1.4M	74.2K
70-79	25.5K	72.6K	35.1K	75.7K
80-89	611	33.6K	1.2K	36.9K
90-99	222	15.3K	115	17.0K
100-109	25	6.6K	21	9.3K
110-119	4	4.0K	11	5.9K
120-129	0	2.4K	0	3.5K
130-139	0	929	0	2.0K
140-149	0	729	0	1.2K
150-159	0	421	0	614
160-169	0	272	0	397
170-179	0	157	0	214
180-189	0	106	0	104
190-199	0	58	0	49
200-209	0	27	0	27
210-219	0	10	0	7
220-229	0	5	0	9
230-239	0	2	0	4
240-249	0	1	0	1
>=250	0	5	0	4

Right Ventricular	Reset Before Last 14 day(s)		Since Last Reset 20 day(s)	
	May 13, 2025 to May 28, 2025		May 28, 2025 to Jun 17, 2025	
	Rate (bpm)	Paced	Sensed	Paced
0-29	0	0	0	0
30-39	0	0	0	0
40-49	12	0	13	0
50-59	3.9K	5	5.0K	1
60-69	1.1M	3.6K	1.5M	5.2K
70-79	91.6K	7.1K	107.4K	9.4K
80-89	35.0K	18.3K	41.8K	22.6K
90-99	22.5K	31.6K	23.6K	35.9K
100-109	15.4K	32.2K	16.1K	38.5K
110-119	8.2K	15.3K	9.2K	12.7K
120-129	3.4K	4.1K	4.0K	3.7K
130-139	1.2K	2.2K	2.6K	1.9K
140-149	0	1.3K	0	1.2K
150-159	0	680	0	589
160-169	0	389	0	373
170-179	0	217	0	224
180-189	0	134	0	174
190-199	0	66	0	171
200-209	0	30	0	95
210-219	0	15	0	43
220-229	0	16	0	12
230-239	0	5	0	4
240-249	0	3	0	3
>=250	0	0	0	1

Left Ventricular	Reset Before Last 14 day(s)		Since Last Reset 20 day(s)	
	May 13, 2025 to May 28, 2025		May 28, 2025 to Jun 17, 2025	
	Rate (bpm)	Paced	Sensed	Paced
0-29	0	88	0	0
30-39	2	14	0	0
40-49	57	8	68	2
50-59	11.7K	17	15.3K	9
60-69	1.1M	2.9K	1.5M	3.9K
70-79	97.7K	1.7K	115.3K	2.4K
80-89	51.2K	1.4K	60.9K	2.3K
90-99	46.5K	4.1K	51.1K	6.5K
100-109	40.6K	8.7K	44.4K	10.0K
110-119	21.1K	4.7K	19.5K	5.5K
120-129	7.0K	2.9K	7.1K	3.0K
130-139	1.6K	1.3K	2.9K	1.2K
140-149	106	554	117	534
150-159	4	202	3	232
160-169	0	95	0	191
170-179	0	77	0	115
180-189	0	23	0	57
190-199	0	9	0	17
200-209	0	4	0	4
210-219	0	0	0	1
220-229	0	2	0	2
230-239	0	0	0	1
240-249	0	0	0	0
>=250	0	0	0	0

RV Rate during AT/AF	Reset Before Last 14 day(s)		Since Last Reset 20 day(s)	
	May 13, 2025 to May 28, 2025		May 28, 2025 to Jun 17, 2025	
Rate (bpm)	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	10	0	0	0
80-89	0	1	0	0
90-99	0	0	0	0
100-109	0	1	0	0
110-119	0	0	0	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:

Data unavailable

Reference:

Data unavailable

Presenting EGM (Jun 17, 2025)

EGM displayed at 25mm per second



AP	AP 1000	AP 1000	AP-Sr 983	AP-Sr 985	AP-Sr 983
LVP 0	LVP 0	LVP 0	LVP-Sr 0	LVP-Sr 0	LVP-Sr 0
RVP	RVP 1000	RVP 1000	RVP-Sr 983	RVP-Sr 983	RVP-Sr 983



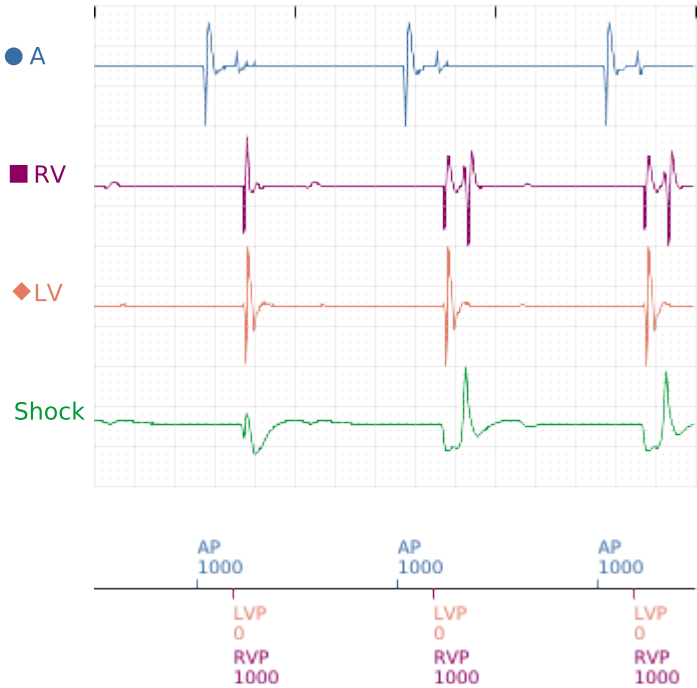
AP-Sr 983	AP-Sr 983	AP-Sr 983	AP-Sr 983	AP-Sr 983	AP-Sr 983	AP-Sr 983
LVP-Sr 0	LVP-Sr 0	LVP-Sr 0	LVP-Sr 0	LVP-Sr 0	LVP-Sr 0	LVP-Sr 0
RVP-Sr 983	RVP-Sr 983	RVP-Sr 983	RVP-Sr 983	RVP-Sr 983	RVP-Sr 983	RVP-Sr 983



AP-Sr 983	AP-Sr 983	AP-Sr 983	AP-Sr 983	AP-Sr 983	AP 998	AP 1000
LVP-Sr 0	LVP-Sr 0	LVP-Sr 0	LVP-Sr 0	LVP-Sr 0	LVP 0	LVP 0
RVP-Sr 983	RVP-Sr 983	RVP-Sr 983	RVP-Sr 983	RVP-Sr 983	RVP 1000	RVP 1000



AP 1000	AP 1000	AP 1000	AP 1000	AP 1000	AP 1000	AP 1000
LVP 0	LVP 0	LVP 0	LVP 0	LVP 0	LVP 0	LVP 0
RVP 1000	RVP 1000	RVP 1000	RVP 1000	RVP 1000	RVP 1000	RVP 1000



All Events Since Last Reset (May 28, 2025)

Jun 17, 2025 09:25 RA Auto  
Jun 11, 2025 06:24 RA Auto  
Jun 05, 2025 13:33 NonSustV at 181 bpm, Nonsustained  
Jun 04, 2025 07:21 RA Auto  
May 30, 2025 16:12 NonSustV at 169 bpm, Nonsustained  
Total Events: 2 NonSustV

Battery (Continued)

Last Delivered Shock	N/R	Time Since Implant	1 month
Energy	N/R	Charge Remaining	2.02 ampere-hours
Charge Time	N/R	Power Consumption	85 $\mu$ W
Shock Impedance	N/R	(Measured with programmed parameters)	
Beep when Explant is Indicated	On	This device is using 170% of the power it would use at the following parameters:	
		<div><div></div> A</div>	15% pacing, 70 ppm, 2.5 V, 0.4 ms, 500 $\Omega$
		<div><div></div> RV</div>	100% pacing, 70 ppm, 2.5 V, 0.4 ms, 700 $\Omega$
		<div><div></div> LVa</div>	100% pacing, 70 ppm, 3.5 V, 0.4 ms, 700 $\Omega$
		<div><div></div> LVb</div>	Off



Date of Birth: [REDACTED]  
Device: **RESONATE HF CRT-D**  
Clinic: [REDACTED]  
Search Tags:  
Tachy Mode: **Monitor + Therapy**

Latest Device Transmission: [REDACTED]  
Last Office Interrogation: [REDACTED]  
Implant: [REDACTED]  
Patient Group: **CRT-D/ICD (Primary)**

**Presenting EGM (Jun 17, 2025)**

EGM displayed at 25mm per second



AP	AP 1000	AP 1000	AP-Sr 983	AP-Sr 985	AP-Sr 983
LVP 0	LVP 0	LVP 0	LVP-Sr 0	LVP-Sr 0	LVP-Sr 0
RVP	RVP 1000	RVP 1000	RVP-Sr 983	RVP-Sr 983	RVP-Sr 983



AP-Sr 983	AP-Sr 983	AP-Sr 983	AP-Sr 983	AP-Sr 983	AP-Sr 983	AP-Sr 983
LVP-Sr 0	LVP-Sr 0	LVP-Sr 0	LVP-Sr 0	LVP-Sr 0	LVP-Sr 0	LVP-Sr 0
RVP-Sr 983	RVP-Sr 983	RVP-Sr 983	RVP-Sr 983	RVP-Sr 983	RVP-Sr 983	RVP-Sr 983

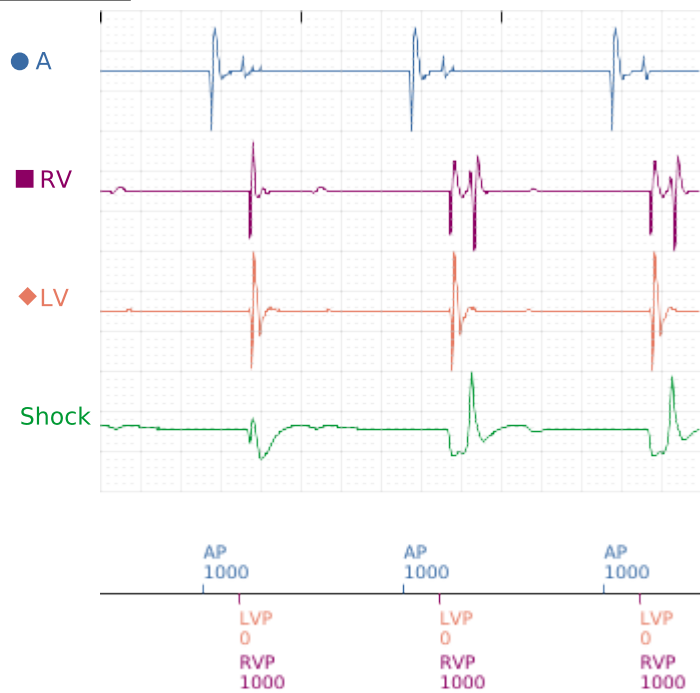


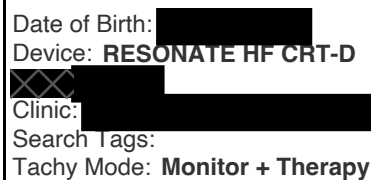
AP-Sr	LVP-Sr	RVP-Sr
983	0	983
983	0	983
983	0	983
983	0	983
983	0	983
998	0	1000
1000	0	1000



AP	LVP	RVP
1000	0	1000
1000	0	1000
1000	0	1000
1000	0	1000
1000	0	1000
1000	0	1000
1000	0	1000



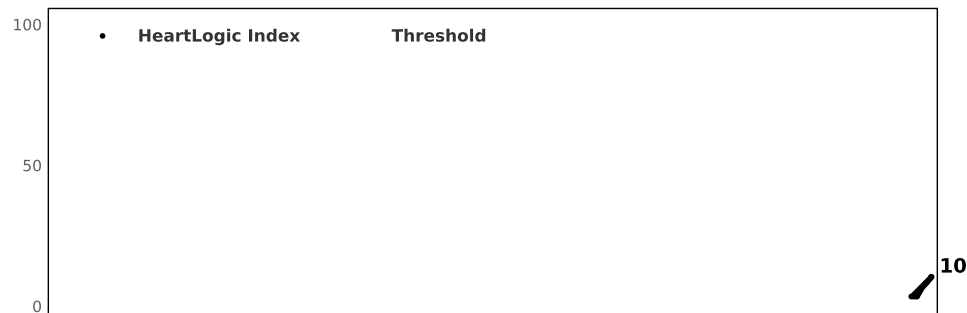




There are no alerts to display.

Jan 01, 2025      Feb 01, 2025      Mar 01, 2025      Apr 01, 2025      May 01, 2025      Jun 01, 2025

**Jun 16, 2025**



The HeartLogic Heart Failure Index alert is currently disabled.

● Daily Value      ● 3 Day Average

Jan 01, 2025      Feb 01, 2025      Mar 01, 2025      Apr 01, 2025      May 01, 2025      Jun 01, 2025

Jun 16, 2025

0.77

mG



Jun 16, 2025

1.90

mG



Jun 16, 2025

## 35.1

 $\Omega$ 

Jun 17, 2025

## 18.3

rpm

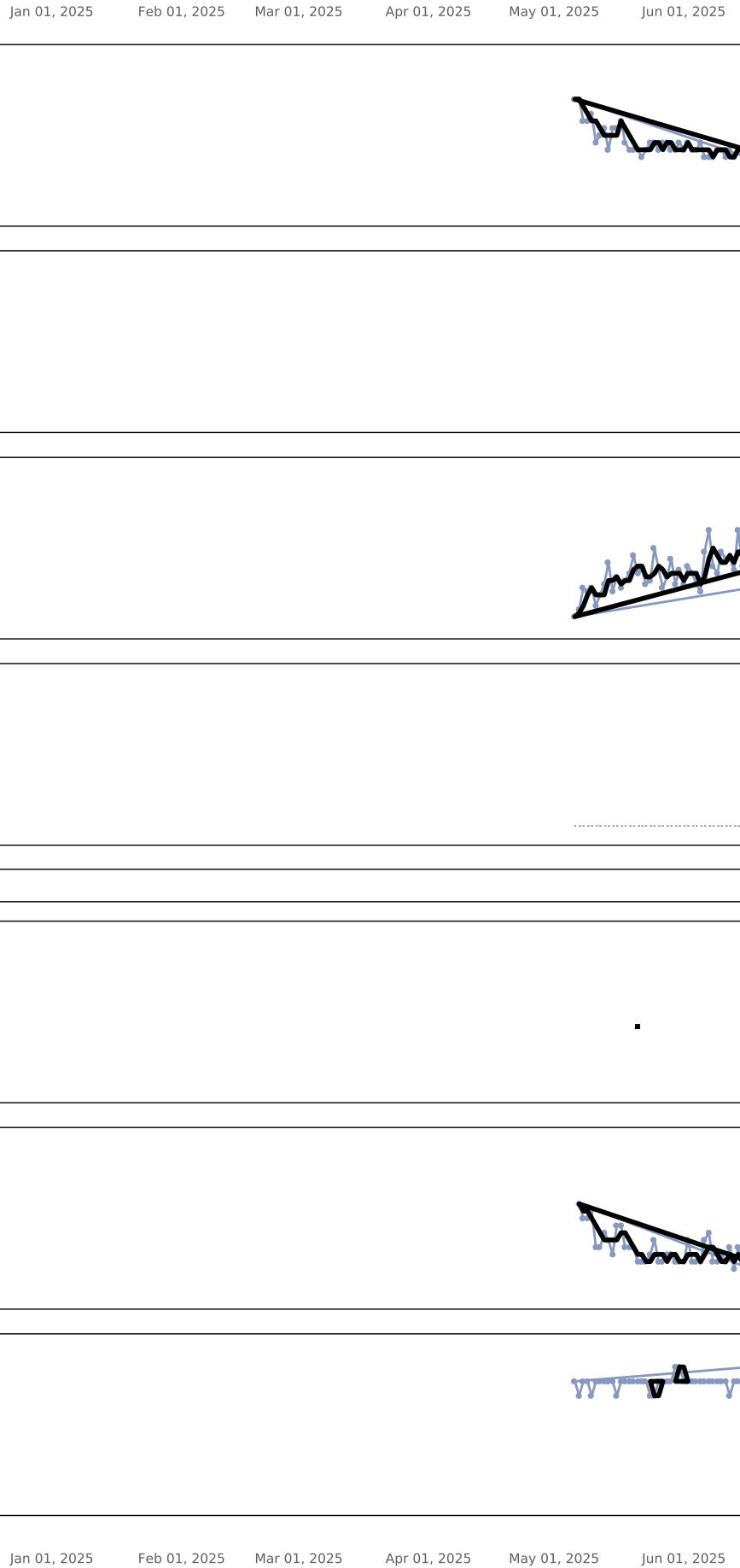


Jan 01, 2025      Feb 01, 2025      Mar 01, 2025      Apr 01, 2025      May 01, 2025      Jun 01, 2025



Daily Value

3 Day Average



Jun 16, 2025

62

bpm

Night Heart Rate

Jun 16, 2025

Insufficient

degrees

Sleep Incline

Jun 17, 2025

0.9

hour(s)

Activity Level

Jun 17, 2025

0.0

hour(s)

AT/AF Burden

V Therapy

Jun 17, 2025

N/R  
N/R

bpm

RV Rate during AT/AF



Jun 17, 2025

63

bpm

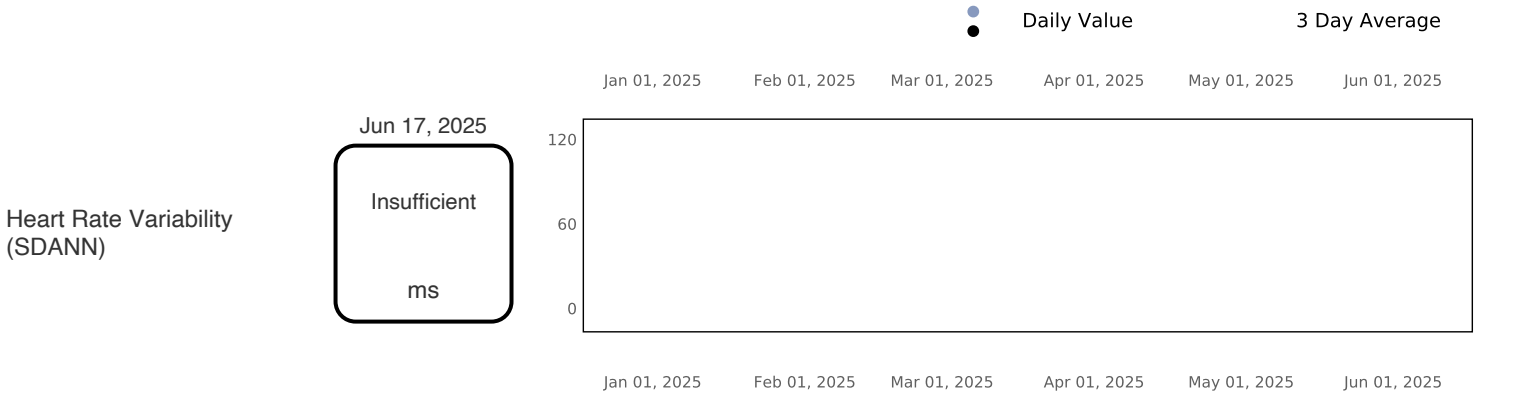
Mean Heart Rate

Jun 17, 2025

99

%

% LV Paced




Battery

OK

Approximate time to explant: 6.5 years from Jun 17, 2025

Trend Data									
Date	HeartLogic Heart Failure Index	S3 (mG)	S1 (mG)	Thoracic Impedance (Ω)	Respiratory Rate (rpm)	Night Heart Rate (bpm)	Sleep Incline (degrees)	Activity Level (hour(s))	AT/AF Burden (hour(s), events)
Jun 17, 2025					18.3			0.9	0.0, 0
Jun 16, 2025	10	0.77	1.90	35.1	16.3	62	N/R	1.7	0.0, 0
Jun 15, 2025	8	0.76	1.83	35.4	17.0	63	N/R	1.5	0.0, 0
Jun 14, 2025	6	0.71	1.91	35.7	17.8	63	N/R	2.5	0.0, 0
Jun 13, 2025	3	0.75	2.38	35.9	17.5	62	N/R	1.4	0.0, 0
Jun 12, 2025	3	0.69	2.01	36.1	17.3	63	N/R	1.7	0.0, 0
Jun 11, 2025	N/R	0.69	1.98	36.3	17.0	62	N/R	1.7	0.0, 0
Jun 10, 2025	N/R	0.81	1.93	37.0	16.8	63	N/R	1.9	0.0, 0
Jun 09, 2025	N/R	0.69	2.02	37.0	16.3	63	N/R	1.3	0.0, 0
Jun 08, 2025	N/R	0.78	1.99	36.8	19.3	62	N/R	1.5	0.0, 0
Jun 07, 2025	N/R	0.72	2.52	38.1	17.3	62	N/R	2.5	0.0, 0
Jun 06, 2025	N/R	0.68	2.67	38.8	17.5	62	N/R	1.9	0.0, 0
Jun 05, 2025	N/R	0.70	2.64	39.2	18.5	64	N/R	0.8	0.0, 0
Jun 04, 2025	N/R	0.65	2.50	37.5	18.8	63	N/R	1.0	0.0, 0
Jun 03, 2025	N/R	0.69	2.45	36.9	17.8	63	N/R	1.3	0.0, 0
Jun 02, 2025	N/R	0.59	2.61	36.1	19.3	64	N/R	1.5	0.0, 0
Jun 01, 2025	N/R	0.60	2.69	35.9	20.0	63	N/R	1.0	0.0, 0
May 31, 2025	N/R	0.63	2.65	35.8	15.8	64	N/R	1.4	0.0, 0
May 30, 2025	N/R	0.70	2.41	35.2	18.5	63	N/R	1.0	0.0, 0
May 29, 2025	N/R	0.62	2.48	34.9	16.3	63	N/R	1.7	0.0, 0
May 28, 2025	N/R	N/R	N/R	N/R	17.3	64	N/R	1.2	0.0, 0
May 27, 2025	N/R	0.68	2.28	34.6	16.8	64	N/R	0.9	0.0, 0
May 26, 2025	N/R	0.65	2.23	34.7	16.3	63	N/R	1.4	0.0, 0
May 25, 2025	N/R	0.64	2.50	34.7	18.5	64	N/R	2.0	0.0, 0
May 24, 2025	N/R	0.66	2.27	35.3	16.3	64	N/R	1.1	0.0, 0
May 23, 2025	N/R	0.63	2.55	35.5	15.3	63	N/R	1.0	0.0, 0
May 22, 2025	N/R	0.65	2.53	35.6	16.3	62	N/R	1.4	0.0, 0
May 21, 2025	N/R	0.61	2.87	36.2	17.3	63	N/R	1.3	0.0, 1
May 20, 2025	N/R	0.62	3.21	36.4	18.3	63	N/R	1.8	0.0, 0
May 19, 2025	N/R	0.63	2.93	37.0	17.3	63	N/R	1.3	0.0, 0






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Patient Management - Arrhythmia Logbook Report		F
	Date of Birth:	
	Device:	RESONATE HF CRT-D
	Clinic:	
	Search Tags:	
	Tachy Mode:	Monitor + Therapy

Events Since: Last Reset

Event Type: All Events

Maximum of 250 episodes shown

Event	Date/Time	Type	Therapy	Duration hh:mm:ss
 <a href="#">RAAT-50</a>	Jun 17, 2025 09:25	RA Auto		-----
 <a href="#">RAAT-43</a>	Jun 11, 2025 06:24	RA Auto		-----
 <a href="#">V-5</a>	Jun 05, 2025 13:33	NonSustV	Nonsustained	00:00:13
 <a href="#">RAAT-35</a>	Jun 04, 2025 07:21	RA Auto		-----
 <a href="#">V-4</a>	May 30, 2025 16:12	NonSustV	Nonsustained	00:00:14

Clinician Signature
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## Programming

Last Programmed  
Ventricular Tachy Mode

May 28, 2025  
May 05, 2025 Changed to Monitor + Therapy  
May 05, 2025 Changed to Off

## Ventricular Tachy

### VF 230 bpm (261 ms)

#### Detection/Redetection

Initial Duration 2.5 s  
Redetection Duration 1.0 s  
Post-Shock Duration 1.0 s

#### Therapy

QUICK CONVERT™ ATP On  
Shock 1 41 J  
Shock 2 41 J  
Additional 41 J Shocks 6

### VT 180 bpm (333 ms)

#### Detection/Redetection

Initial Duration 12.0 s  
Redetection Duration 1.0 s  
Post-Shock Duration 1.0 s

#### ATP1

Number of Bursts 3  
Pulses per Burst  
Initial 10  
Increment 0  
Coupling Interval 81 %  
Decrement 10 ms  
Burst Cycle Length 81 %  
Ramp Decrement 0 ms  
Scan Decrement 10 ms  
Minimum Interval 220 ms

#### ATP2

#### ATP Time-out

01:00 mm:ss

#### Shocks

Shock 1 41 J  
Shock 2 41 J  
Shock 3-6 41 J

#### Enhancements

#### Rhythm ID

#### VT Detection

On

#### Initial Detection

On

Sustained Rate Duration Off

#### Post-Shock Detection

On

Sustained Rate Duration Off

#### Rhythm ID Setup

Ambulatory Update On

Temporary LRL 60 ppm

#### Common Parameters

Atrial Tachy Discrimination On

AFib Rate Threshold 170 bpm

Stability 20 ms

RhythmMatch™ Threshold 94 %

### VT-1 150 bpm (400 ms)

#### Detection/Redetection

Initial Duration 30.0 s  
Redetection Duration 1.0 s  
Post-Shock Duration 1.0 s

#### ATP1

Off

#### ATP2

Off

#### Shocks

Shock 1 Off  
Shock 2 Off  
Shock 3-5 Off

#### Enhancements

#### Rhythm ID

#### Initial Detection

On

Sustained Rate Duration Off

#### Post-Shock Detection

Off

#### Rhythm ID Setup

Ambulatory Update On

Temporary LRL 60 ppm

#### Common Parameters

Atrial Tachy Discrimination On

AFib Rate Threshold 170 bpm

Stability 20 ms

RhythmMatch™ Threshold 94 %

## Ventricular Tachy Therapy Setup

#### ATP

RV ATP Amplitude 7.5 V

RV ATP Pulse Width 2.0 ms

LV ATP Amplitude 5.0 V

LV ATP Pulse Width 1.0 ms

#### Shock (All Shocks)

Waveform Biphasic

Committed Shock Off

Lead Polarity Initial

Shock Lead Vector RV Coil to Can

Magnet and Beeper

Magnet Response  
Beep During Capacitor Charge

Inhibit Therapy  
Off

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

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

**Atrial Tachy Response**

Atrial Flutter Response	On
Trigger Rate	170 bpm
PMT Termination	On

**Ventricular Regulation**

BiV Trigger	On
-------------	----



# Brady/CRT

## Normal Settings

Mode	DDDR
Lower Rate Limit	60 ppm
Maximum Tracking Rate	130 ppm
Maximum Sensor Rate	130 ppm
Paced AV Delay	120 - 180 ms
Sensed AV Delay	80 - 120 ms
A-Refractory (PVARP)	300 - 350 ms
RV-Refractory (RVRP)	230 - 250 ms
LV-Refractory (LVRP)	250 ms
Ventricular Pacing Chamber	BiV
LV Offset	0 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
Tracking Preference	On

## PaceSafe™ LV Automatic Threshold

Maximum Amplitude	5.0 V
Safety Margin	1.0 V

## Pacing Output

● Atrial	Trend 3.5 V @ 0.4 ms
■ Right Ventricular	3.5 V @ 1.0 ms
◆ Left Ventricular (LVa)	Trend 3.5 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)	LVRing2>>LVRing3
Pace (LVb)	Off
Sense	LVTip1>>LVRing2

## Rate Adaptive Pacing

Minute Ventilation	On
Response Factor	8
Fitness Level	Active
Ventilatory Threshold	105 ppm
Ventilatory Thresh. Response	85 %
Accelerometer	On
Response Factor	8
Activity Threshold	Medium
Reaction Time	30 s
Recovery Time	2 min

## Minute Ventilation Sensor Settings

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

## LV MultiSite Pacing

Pacing Order	Off
--------------	-----

## Post-Therapy Settings

Lower Rate Limit	60 ppm	Post Therapy Period	00:30 mm:ss
------------------	--------	---------------------	-------------

## Output

● Atrial	5.0 V @ 1.0 ms
■ Right Ventricular	7.5 V @ 2.0 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

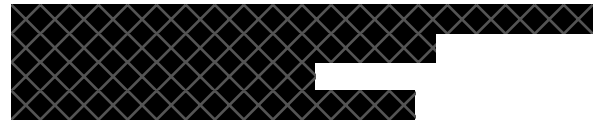
	Daily Intrinsic Amplitude	Daily Impedance	Impedance Limits	Pace Threshold	Beep When Out-of-Range
 <b>Atrial</b>	On	On	200 - 2000 $\Omega$	On	Off
 <b>Right Ventricular</b>	On	On	200 - 2000 $\Omega$	Off	Off
 <b>Left Ventricular</b>	On	On	200 - 2000 $\Omega$	On	Off
<b>Shock</b>		On	20 - 125 $\Omega$		Off

## Beeper

Beeper Type Piezo

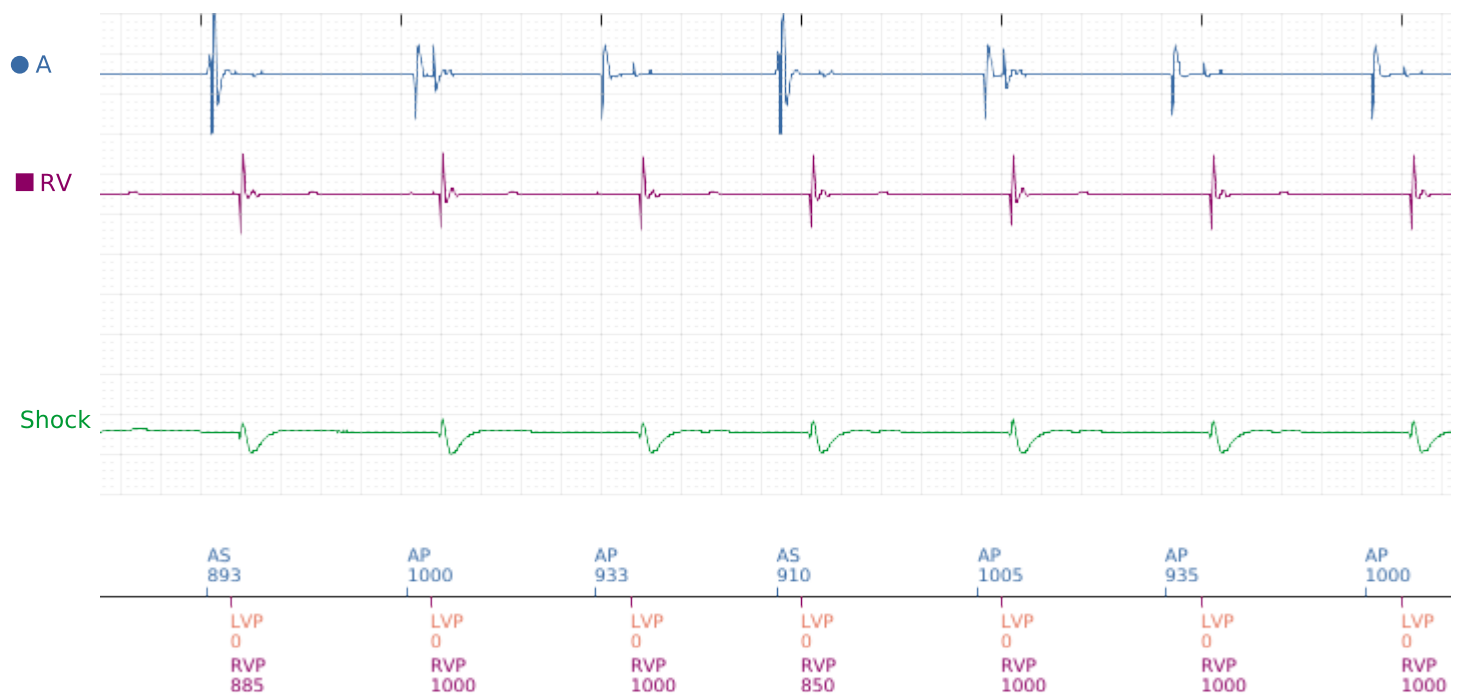
Note: The Piezo beeper is designed to withstand the strong magnetic fields associated with MRI scanners without being damaged.

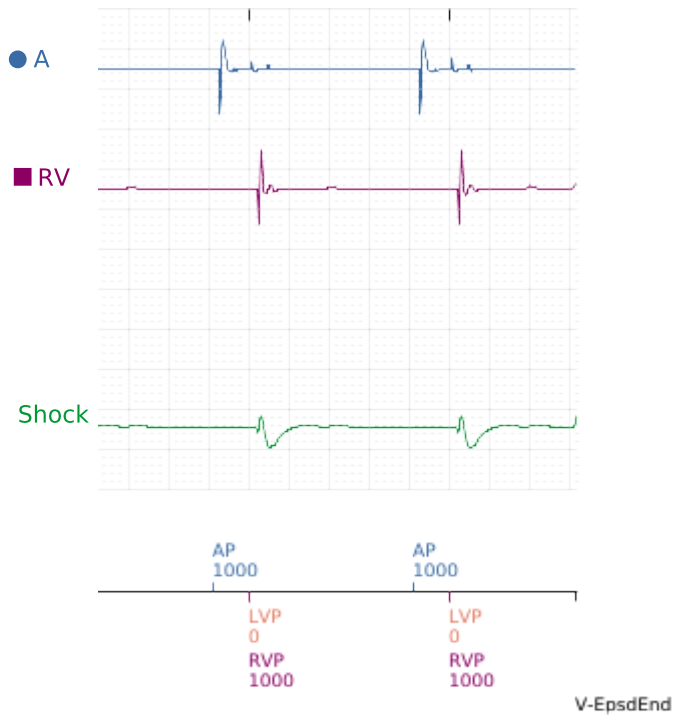
Beeper On



### Tachy Mode: Monitor + Therapy







↑ > V Range	↓ < V Range	■ V Sense	□ V Pace
↑ > A Range	↓ < A Range	• A Sense	○ A Pace

