

Initial Interrogation: Quick Look II

Device: **Amplia MRI Quad CRTD DTMB1QQ**

Serial Number: **RPE223608H**

Date of Visit: **19-Aug-2024 07:35:31**

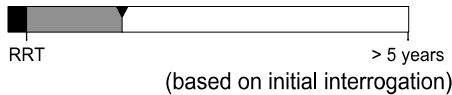
Patient: _____

ID: _____

Physician: _____

Device Status (Implanted: 10-Apr-2019)

Remaining Longevity 15 months (19-Aug-2024)



	Atrial(5076)	RV(6935M)	LV(4598)
Pacing Impedance	418 ohms	342 ohms	646 ohms
Defibrillation Impedance		RV=45 ohms	
Pace Polarity	Bipolar	Bipolar	LV4 to LV3
Capture Threshold	0.375 V @ 0.40 ms	0.500 V @ 0.40 ms	2.250 V @ 0.40 ms
Measured On	26-Jan-2024	19-Aug-2024	19-Aug-2024
Programmed Amplitude/Pulse Width	1.50 V / 0.40 ms	2.00 V / 0.40 ms	2.75 V / 0.40 ms
Measured P/ R Wave	0.5 mV	7.6 mV	
Programmed Sensitivity	0.15 mV	0.30 mV	

Parameter Summary

Mode	DDDR	Lower Rate	60 bpm	AdaptivCRT	Nonadaptive CRT
Mode Switch	171 bpm	Upper Track	130 bpm	V. Pacing	LV->RV
		Upper Sensor	120 bpm	Paced AV	130 ms
				Sensed AV	100 ms

Detection		Rates	Therapies
AT/AF	Monitor	>171 bpm	All Rx Off
VF	On	>214 bpm	ATP During Charging, 35J x 6
FVT	OFF		All Rx Off
VT	On	176-214 bpm	Burst(2), Ramp(1), 35J x 4

Enhancements On: VT Monitor, Onset(Monitor), TWave, Noise(Timeout)

Clinical Status Since 17-Jun-2024

Treated

VF	0
FVT (Off)	
VT	0
AT/AF(Monitor)	

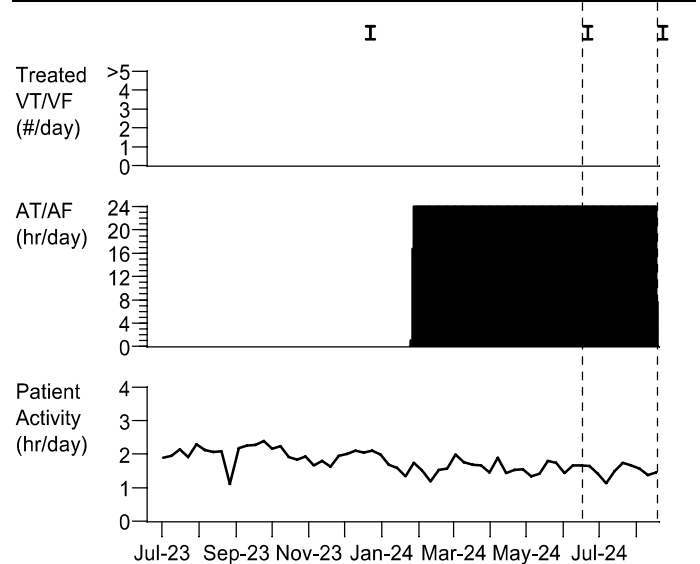
Monitored

VT(150-176 bpm)	0
VT-NS (>4 beats, >176 bpm)	0
High Rate-NS	0
SVT: VT/VF Rx Withheld	0
V. Oversensing-TWave Rx Withheld	0
V. Oversensing-Noise Rx Withheld	0
AT/AF	1
Time in AT/AF	24.0 hr/day (100.0%)
Longest AT/AF	4 months

Functional

Patient Activity	Last Week 1.5 hr/day
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Cardiac Compass Trends (Jun-2023 to Aug-2024)



Therapy Summary

	VT/VF	AT/AF	Pacing	(% of Time Since 17-Jun-2024)
Pace-Terminated Episodes	0	0	Total VP	99.9 % (MVP Off)
Shock-Terminated Episodes	0	0	AS-VS	0.1 %
Total Shocks	0	0	AS-VP	99.9 %
Aborted Charges	0	0	AP-VS	0.0 %
			AP-VP	<0.1 %

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OBSERVATIONS (4)

- AT/AF \geq 6 hr for 64 days.
- Unable to maintain LV Capture Management Safety Margin on 21-Jul-2024.
- RV Capture Management: Actual safety margin (4.0 X) > programmed margin (2.0 X).
- VF detection may be delayed: VF Detection Interval is faster than 300 ms (200 bpm).

Initial Interrogation: Cardiac Compass Trends

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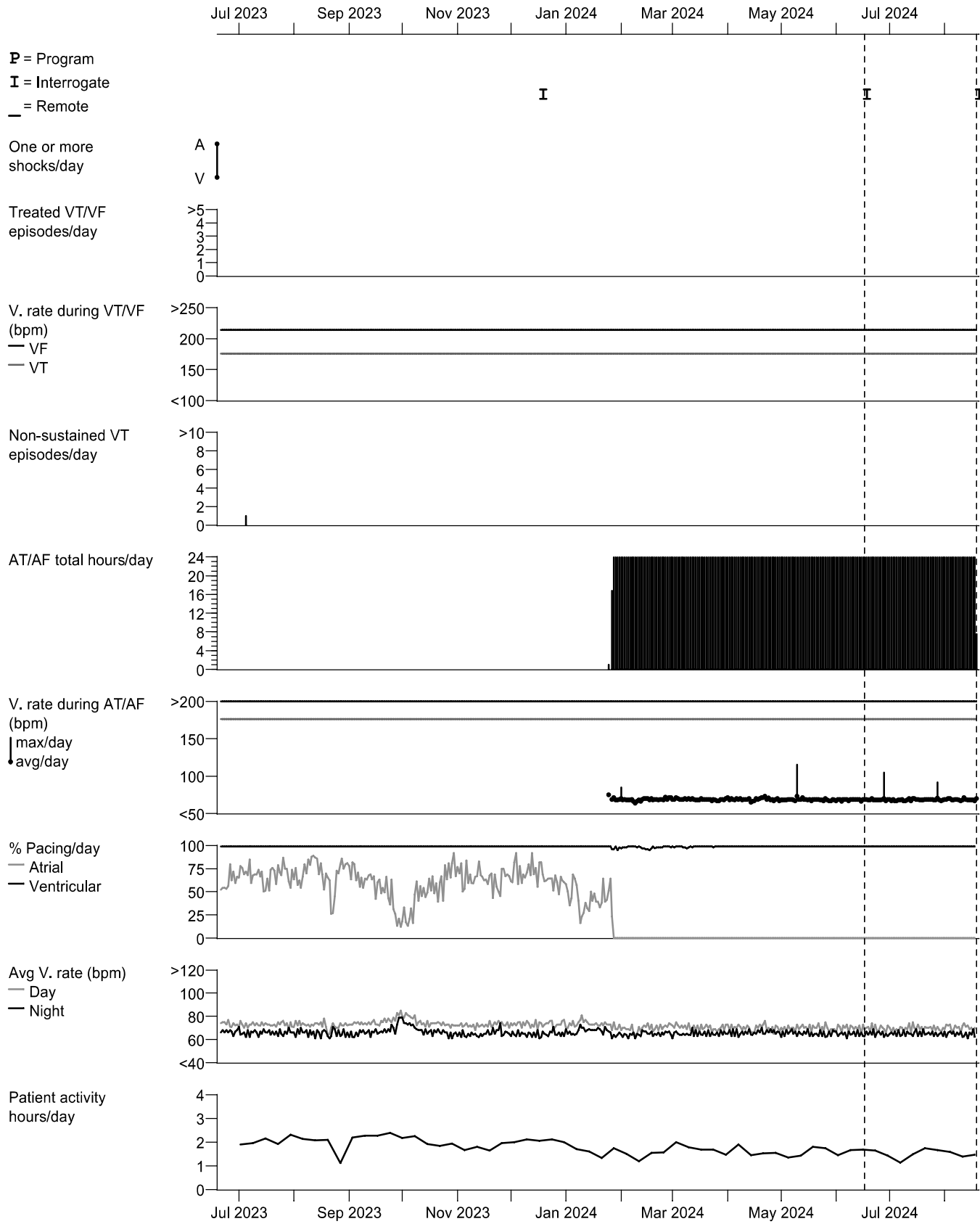
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Initial Interrogation: Cardiac Compass Trends

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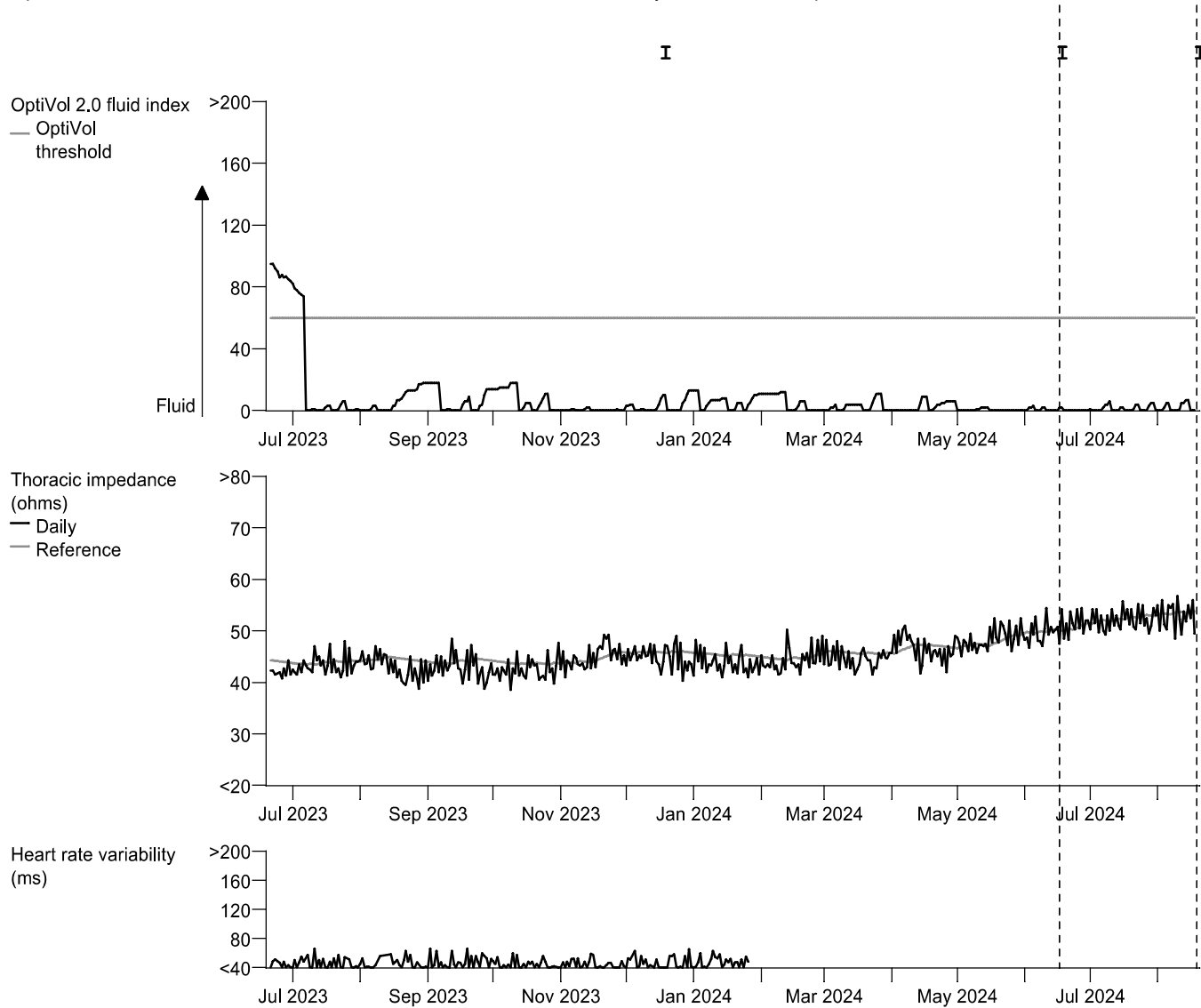
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OptiVol 2.0 fluid index is an accumulation of the difference between the daily and reference impedance.



Initial Interrogation: Rate Histograms

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Prior to Last Session

18-Dec-2023 to 17-Jun-2024

6 months

Since Last Session

17-Jun-2024 to 19-Aug-2024

63 days

% of Time

Total VP 99.2 %
AS-VS 0.5 %
AS-VP 88.4 %
AP-VS < 0.1%
AP-VP 11.0 %

99.9 %

0.1 %

99.9 %

0.0 %

< 0.1%

Total VP 99.2 %
VSR Pace 0.6 %
VS 0.2 %

99.9 %

0.1 %

< 0.1%

CRT Pacing

Bi-V 99.9 %
LV 0.0 %

100.0 %

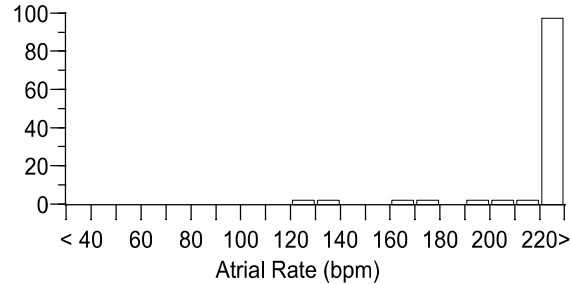
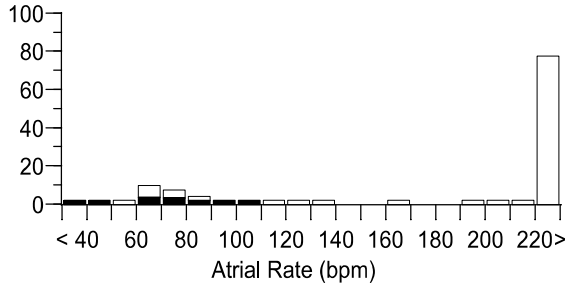
0.0 %

Atrial

% of Time

□ AS

■ AP

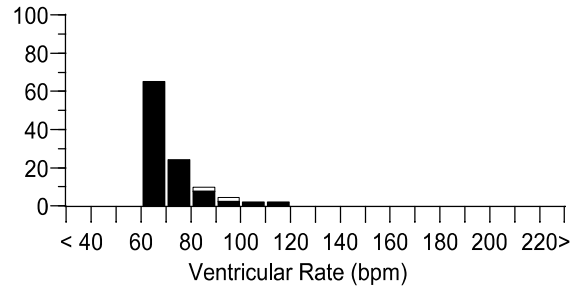
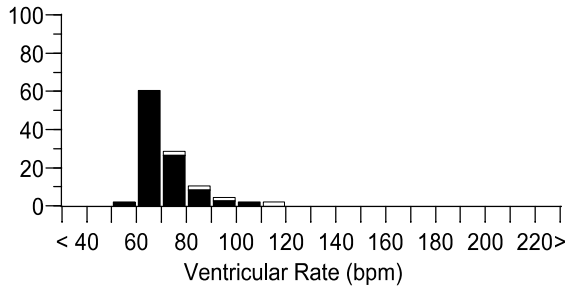


Ventricular

% of Time

□ VS

■ VP



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Prior to Last Session

18-Dec-2023 to 17-Jun-2024

6 months

Since Last Session

17-Jun-2024 to 19-Aug-2024

63 days

Time in AT/AF = 5 months

% of AT/AF

VP 99.2 %

VSR Pace 0.8 %

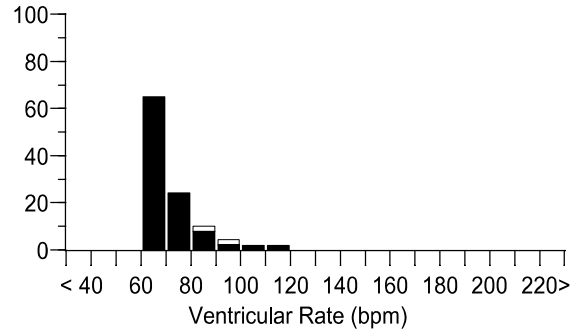
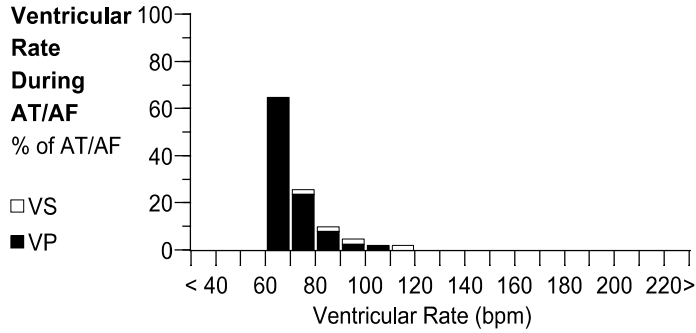
VS < 0.1%

Time in AT/AF = 62 days

99.9 %

0.1 %

< 0.1%



Initial Interrogation: AT/AF Summary

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Prior Session

18-Dec-2023 to

17-Jun-2024

6 months

Last Session

17-Jun-2024 to

19-Aug-2024

63 days

AT/AF Summary

% of Time AT/AF	78.1	%	100.0	% ↑
Average AT/AF time/day	18.7	hours/day	24.0	hours/day ↑
Monitored AT/AF Episodes	<0.1	per day	0.0	per day ↓
Treated AT/AF Episodes	0.0	per day	0.0	per day
Pace-Terminated Episodes	0.0	%	0.0	%
% of Time Atrial Pacing	9.8	%	<0.1	% ↓
% of Time Atrial Intervention	0.0	%	0.0	%
AT-NS (>6 beats)	<0.1	per day	0.0	per day ↓

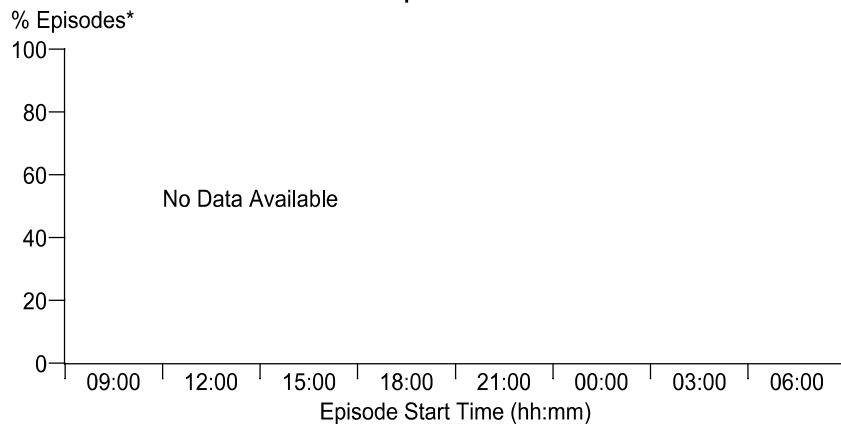
Since Last Session 17-Jun-2024 to 19-Aug-2024

AT/AF Durations

Duration	Episodes*
>72 hr	1
48 hr to 72 hr	0
24 hr to 48 hr	0
12 hr to 24 hr	0
4 hr to 12 hr	0
1 hr to 4 hr	0
10 min to 1 hr	0
1 min to 10 min	0
<1 min	0

* Includes AT-NS episodes

AT/AF Episode Start Time



AT/AF Rx

Treated episodes
% Terminated

Rx1:Off Rx2:Off Rx3:Off

ATP Rx versus

ms	100-149	150-199	200-249	250-299	300-349	350-399	400-449	ms
bpm	401-600	301-400	241-300	201-240	172-200	151-171	133-150	bpm

Treated episodes
% Terminated

ATP Sequences: 0 delivered, 0 aborted

Automatic Shocks: 0 delivered, 0 failed

Patient Activated Shocks: 0 delivered, 0 failed

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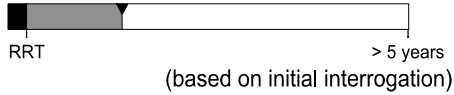
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Device Information

Device	Medtronic	Amplia MRI Quad CRTD DT...	RPE223608H	Implanted: 10-Apr-2019
Atrial	Medtronic	5076 CapsureFix Novus MRI	PJN7490694	Implanted: 10-Apr-2019
RV	Medtronic	6935M Sprint Quattro MRI	TDL357499V	Implanted: 10-Apr-2019
LV	Medtronic	4598 Attain Performa S MRI	QUC527703V	Implanted: 10-Apr-2019

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Programmed Amplitude/Pulse Width	1.50 V / 0.40 ms	2.00 V / 0.40 ms	2.75 V / 0.40 ms
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Changes This Session

Session Start Current Value

No parameters have been changed during the current session.

Battery and Lead Measurements Report

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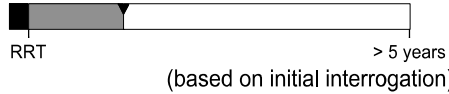
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Last Interrogation: 19-Aug-2024 07:35:31

Remaining Longevity 19-Aug-2024

Estimated at: 15 months
Minimum: 7 months
Maximum: 22 months



Battery Voltage 19-Aug-2024

Voltage 2.88 V
(RRT=2.73V)

Last Charge 04-Aug-2024

Charge Time 4.5 sec
Energy 0.0 - 18 J

Sensing Integrity Counter Since 17-Jun-2024

Short V-V Intervals 0

Atrial Lead Position Check

No measurement since reset.

Lead Impedance

A. Pacing	418 ohms	19-Aug-2024
RV Pacing (Bipolar)	342 ohms	19-Aug-2024
LV Pacing (LV4 to LV3)	646 ohms	19-Aug-2024
RV Defib	45 ohms	19-Aug-2024
SVC Defib	None	

Sensing

P-Wave Amplitude	0.5 mV	19-Aug-2024
R-Wave Amplitude	7.6 mV	21-Mar-2023

Last High Voltage Therapy

No measurement since reset.