

# FastPath™ Summary

Page 1 of 1

## Battery



Implant Date: 11 Feb 2022

 Voltage 3,02 V  
 Magnet Rate 100,0 ppm  
 Battery Current 13 uA  
 Remaining Capacity to ERI >95%

 Longevity estimate is available after  
 24 hours of patient history is collected

## Test Results 11 Feb 2022

4 Automatic

	Capture	Sense	Lead Impedance
A	0,5V @ 0,4ms (Bi) No previous results	0,8mV (Bi) No previous results	540 Ω (Bi) No previous results
RV	0,75V @ 0,4ms (Bi) No previous results	>12,0mV (RV Bi) No previous results	540 Ω (Bi) No previous results
LV	1,0V @ 0,4ms (LVT-RVR) No previous results		750 Ω (LVT-RVR) No previous results

## Parameters

 Mode ↳ DDDR  
 Base Rate 60 bpm  
 Max Track Rate 130 bpm  
 Paced AV Delay 200 ms  
 Sensed AV Delay 150 ms  
 Ventricular Pacing Simul.

## Capture & Sense

	A	RV	LV
Cap Confirm	↳ Monitor	Off	Off
Pulse Amplitude (Margin)	2,5 V (5.0:1)	2,5 V (3.3:1)	2,5 V (1.5V)
Pulse Width	0,4 ms	0,4 ms	0,4 ms
AutoSense	Off	Off	
Sensitivity (Safety Margin)	↳ 0,3 mV (2:1)	2,0 mV (6:1)	

## Diagnostics Summary

Since 11 Feb 2022

AP	0 %
BP	>99 %
AMS Episodes	0
Mode Switch	0%
AT/AF Burden	0%

## Episodes Summary

Since 11 Feb 2022

	Counts	EGMs
AMS Entry	0	0
High Ventricular Rate	0	0
Magnet Response	0	0

## No Alerts

▶ Manual-programmed    ↳ Auto-programmed

---

## Episodes Summary

Page 1 of 1

---

Episodes/SEGMs Last Cleared	11 Feb 2022 8:53	Last Read	11 Feb 2022 8:53
-----------------------------	------------------	-----------	------------------

---

### Triggers

	Counts	EGMs
AMS Entry	0	0
High Ventricular Rate (5 cycles @ 175 bpm)	0	0
Magnet Response	0	0

---

### Device Reversions

	Counts	Last Recorded
A. Noise Reversion	0	
V. Noise Reversion	0	

---

### Episodes

No episodes recorded



## Extended Diagnostics

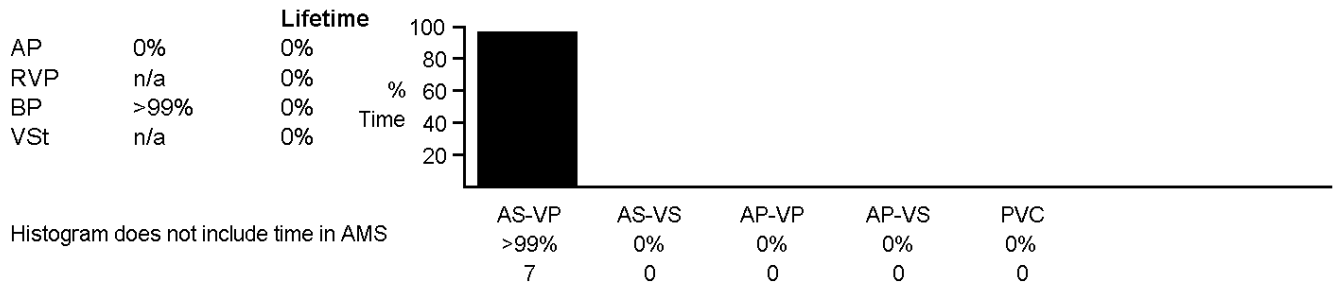
Page 1 of 4

### Parameters

Mode	DDD	Max Track Rate	130 bpm
Base Rate	60 bpm	Paced/Sensed AV Delay	200/150 ms
Max Sensor Rate	130 bpm		

### Events

Since 11 Feb 2022



### AV Interval

Since 11 Feb 2022

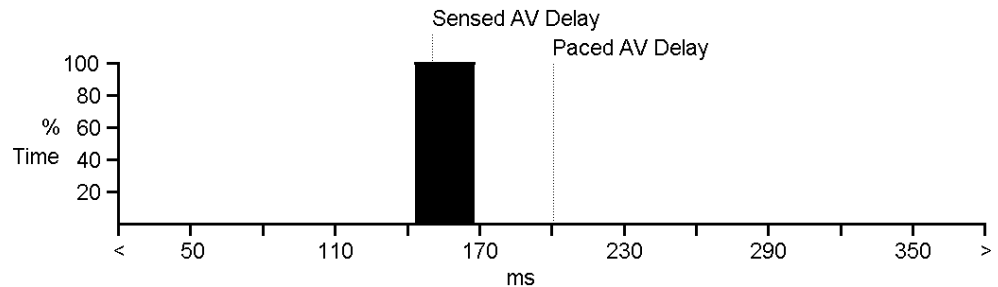
AV Conduction 0 %

VS-AS Intervals

&lt; 80 ms

■ (AS-VP, AP-VP)

□ (AS-VS, AP-VS)



Excludes time in AMS

AS-VP %	100
AP-VP %	
AS-VS %	
AP-VS %	
Total %	100

### Atrial Heart Rate Histogram

Since 11 Feb 2022

AF Suppression™ n/a

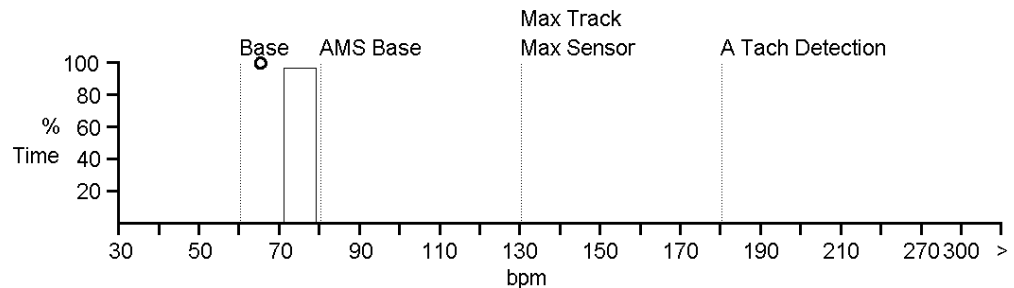
Time at Max Track

Rate 0%

■ Paced (AP)

□ Sensed (AS)

○ Sensor-Indicated Rate



AP %	
AS %	>99
Total %	>99
Sensor %	100

## Extended Diagnostics

Page 2 of 4

### Ventricular Heart Rate Histogram

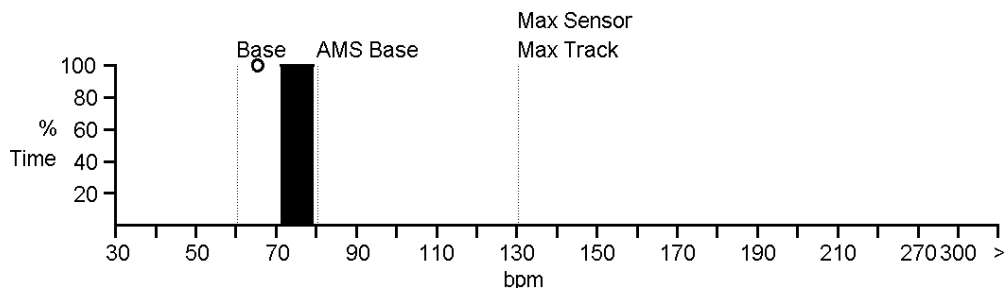
Since 11 Feb 2022

PMT Detections 0

Time at Max Track 0%

Rate

- Paced (AS-VP, AP-VP)
- Sensed (AS-VS, AP-VS)
- ▤ PVC
- Sensor-Indicated Rate



Excludes time in AMS

AS-VP %	100
AP-VP %	
AS-VS %	
AP-VS %	
PVC %	
Total %	100
Sensor %	100

### AT/AF Burden

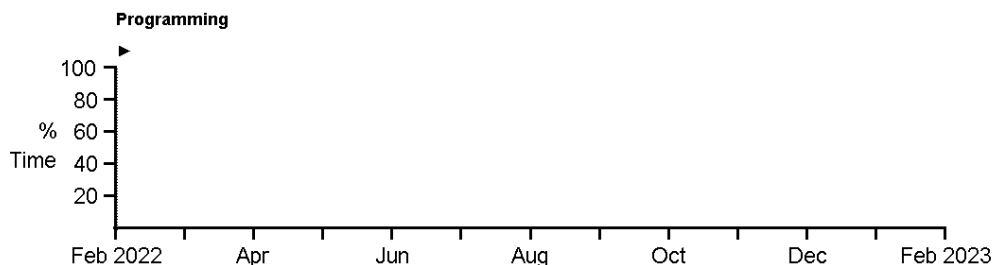
0%

Since 11 Feb 2022

Total AT/AF Burden 0%

Since 11 Feb 2022

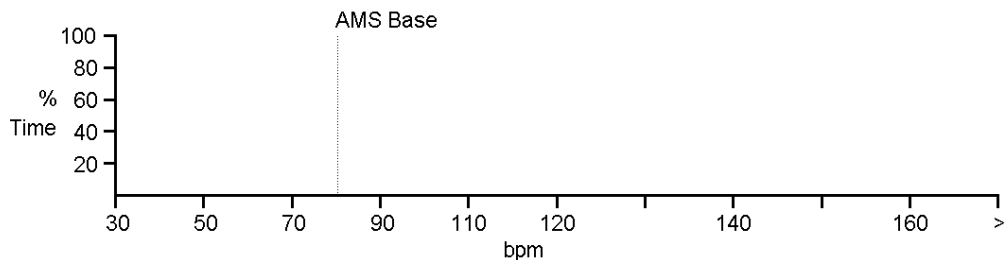
(0m 0d sampled in AT/AF)



### V Rates During AMS

Since 11 Feb 2022

- Paced (VP)
- Sensed (VS)



VP %	
VS %	
Total %	

## Extended Diagnostics

Page 3 of 4

### AMS Summary

Since 11 Feb 2022

AMS Episodes

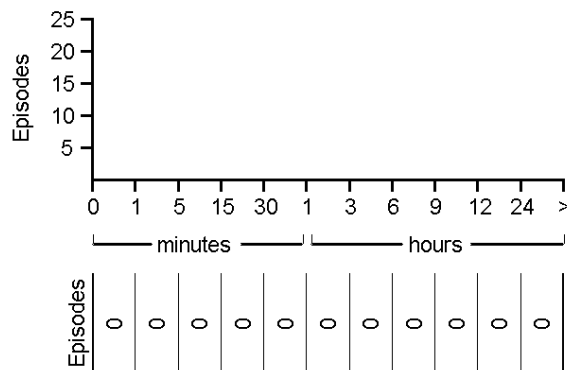
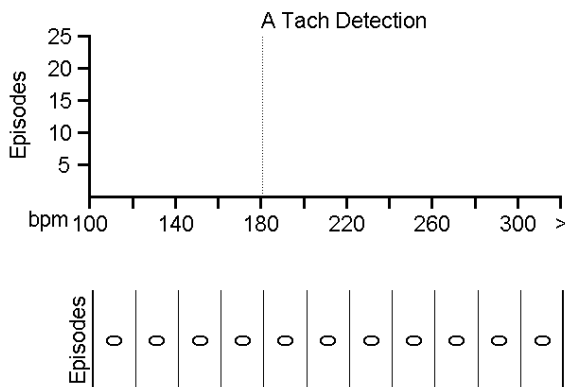
0

Mode Switch

0%

Duration

Peak A Rate



### Key AMS Log Episodes

No AMS episodes recorded

### AMS Log

No AMS episodes recorded

### Key HVR Log Episodes

No High Ventricular Rate episodes recorded

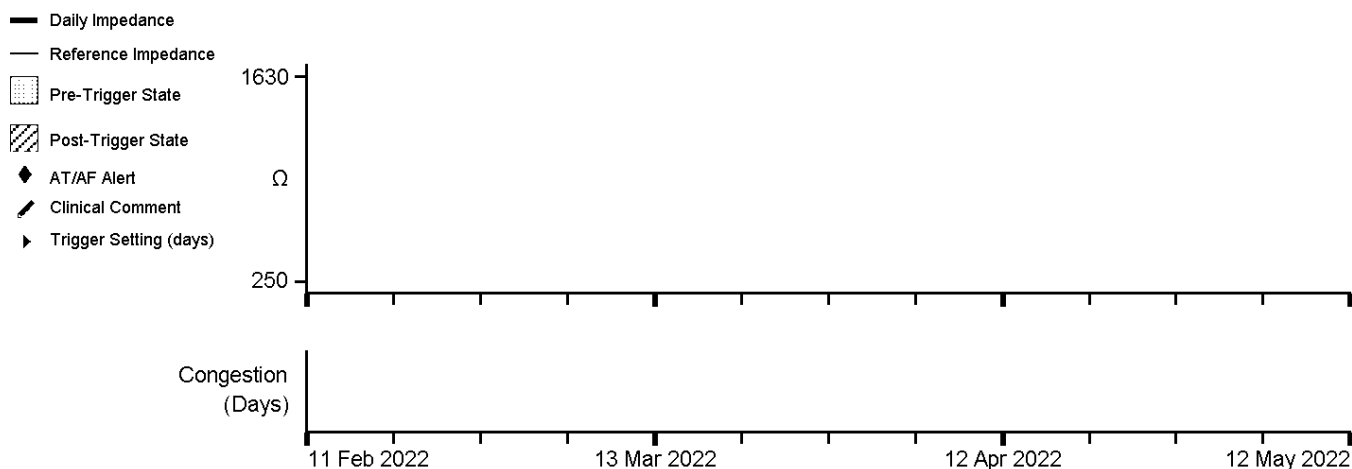
### HVR Log

No High Ventricular Rate episodes recorded

## Extended Diagnostics

Page 4 of 4

**CorVue™ Congestion Monitoring is OFF** (3 Month View)



CorVue™ Congestion Monitoring is an additional information source for patient management. It is not meant to replace clinical assessments that are part of standard clinical practice.

**Congestion Details** (Last Session: 20 Aug 2021)

No Congestion Episodes recorded

# Parameters

Page 1 of 2

**Patient**

Date of Birth

EF %

Unknown

**Indications for Implant**

Device	Manufacturer	Model	Serial	Implant Date
CRT-P	St. Jude Medical	Allure™ 3120	3842874	11 Feb 2022
A Lead				
RV Lead				
LV Lead				

**Basic Operation**

Mode	↳ <b>DDDR</b>
Ventricular Pacing	Simul.
V. Triggering	Off
Magnet Response	Battery Test
V. Noise Reversion Mode	DOO
Sensor	↳ <b>On</b>
Threshold (Measured Avg.)	Auto (+0.0) (2,0)
Slope (Measured Auto)	Auto (+2) (8)
Max Sensor Rate	130 bpm
Reaction Time	Fast
Recovery Time	Medium

**Refractories & Blanking**

PVARP	275 ms
Post-Vent. Atrial Blanking	150 ms
Rate Responsive PVARP/V Ref	High
Shortest PVARP/V Ref	175 ms
A/V Pace Refractory	190/250 ms
A/V Sense Refractory	93/250 ms
Ventricular Blanking	44 ms
Ventricular Safety Standby	On
PVC Response	Off
PMT Response	Atrial Pace
PMT Detection Rate	130 bpm

**Rates**

Base Rate	60 bpm
Rest Rate	Off
Max Sensor Rate	130 bpm
Max Track Rate	130 bpm
Hysteresis Rate	Off
2:1 Block Rate	216 bpm

**AT/AF Detection & Response**

Auto Mode Switch	DDIR
AMS V. Triggering	Off
A. Tachycardia Detection Rate	180 bpm
AMS Base Rate	80 bpm
AF Suppression™	Off

**Delays**

Paced AV Delay	200 ms
Sensed AV Delay	150 ms
Rate Responsive AV Delay	Medium
Shortest AV Delay	100 ms
Negative AV Hysteresis/Search	Off

**Capture & Sense**

	A	RV	LV
Cap Confirm	↳ <b>Monitor</b>	Off	Off
Backup Pulse Configuration	↳ <b>Bipolar</b>		
Search Interval	↳ <b>8 hours</b>		
Pulse Amplitude (Margin)	2,5 V (5.0:1)	2,5 V (3.3:1)	2,5 V (1.5V)
Pulse Width	0,4 ms	0,4 ms	0,4 ms
AutoSense	Off	Off	
Sensitivity (Safety Margin)	↳ <b>0,3 mV (2:1)</b>	2,0 mV (6:1)	

 Last Programmed: Today 8:53  
 Parameters that are "n/a" are not shown

 Bold values were changed this session (See  
 Wrap-up™ Overview report for details)

 ↳ Manual-programmed    **A** Automatic  
 ↳ Auto-programmed

## Parameters

Page 2 of 2

### Leads

	A	RV	LV
Lead Type	►Bipolar	►Bipolar	►Bipolar
Pulse Configuration	Bipolar	Bipolar	LV tip to RV ring
Sense Configuration	Bipolar	RV Bipolar	
Lead Monitoring	Monitor	Monitor	Monitor
Lower Limit	200 Ω	200 Ω	200 Ω
Upper Limit	2.000 Ω	2.000 Ω	2.000 Ω

### Congestion Monitoring

Congestion Monitoring Off

### Trigger Alerts When

	Show on FastPath™	Notify Patient
High Ventricular Rate (175 bpm, 5 cycles)	On	Off
AT/AF Episode (3 hours)	On	Off
AT/AF Burden (6 hours evaluated daily)	On	Off
V Rate during AT/AF (100 bpm for 6 hours, evaluated daily)	On	Off
A Lead Impedance Out of Range (200 - 2.000 Ω)	On	On
RV Lead Impedance Out of Range (200 - 2.000 Ω)	On	On
LV Lead Impedance Out of Range (200 - 2.000 Ω)	On	On
Percent BiV Pacing Alert (<90% over 7 days)	On	
Device at ERI	On	On
Device Parameter Reset	On	On
Backup VVI	On	On

### Patient Notifier Delivery

Auditory Duration	6 sec
Number of Notifications	4
Time Between Notifications	10 hours

### Episode Triggers

Atrial Episode (AMS Entry)	Low
High Ventricular Rate (5 @ 175 bpm)	High
Consecutive PVCs (n/a)	Off
PMT	Off
Noise Reversion	Off
Magnet Response	Low

### Stored EGM Configuration

High V Rate EGM Max Duration	20 sec
High V Rate Pre-Trigger Max Durati...	14 sec
Channels (Storage)	2 (8 min)
Channel 1	A Sense Amp
Channel 2	V Sense Amp



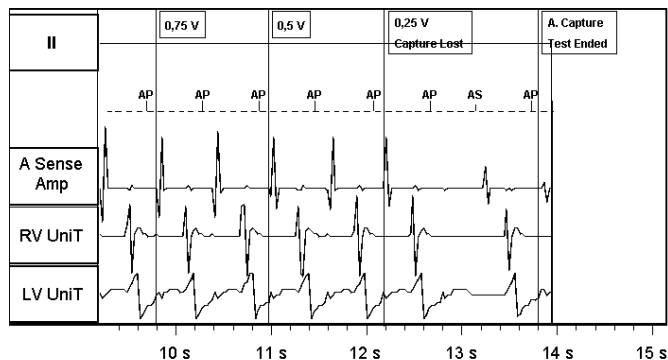
## Test Results: Atrium

Page 1 of 4

### Atrial Capture Test

0,5 V @ 0,4 ms (Bi)  
Safety Margin: 5,0 : 1 @ 2,5 V  
No previous results

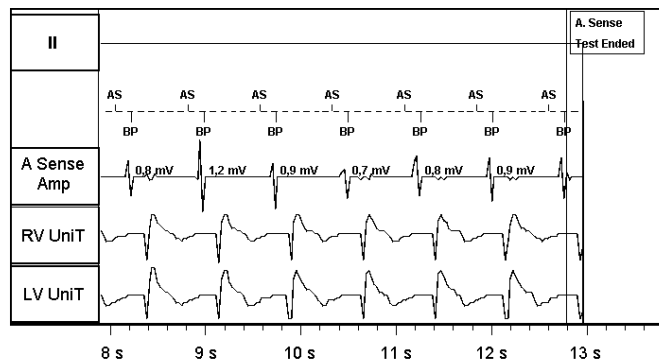
11 Feb 2022



### Atrial Sense Test

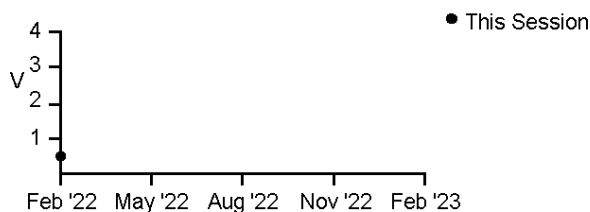
0,8 mV (0,6 - 1,2 mV) (Bi)  
Safety Margin: 2,0 : 1 @ 0,3 mV  
No previous results

11 Feb 2022



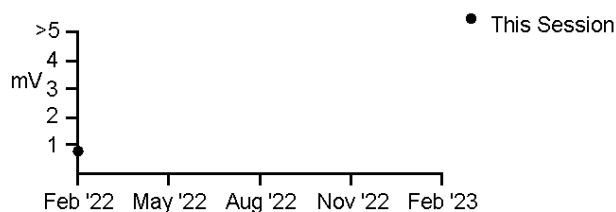
### ACap™ Confirm Trend

No trend data.



### Atrial Sense Amplitude Trend

No trend data.



### Atrial Lead Impedance:

540 Ω (Bipolar) 11 Feb 2022

#### 1-year trend

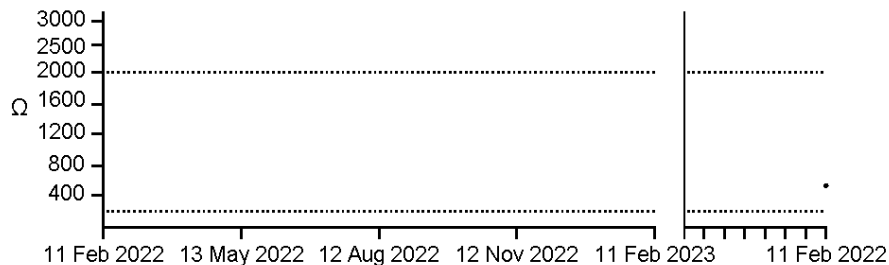
**A** Auto Polarity Switch

#### Last 7 Days

Programmed Pulse Configuration  
Lead Monitoring

Bipolar  
Monitor

Lower Limit 200 Ω  
Upper Limit 2.000 Ω



#### Configurations

Bipolar

#### First Measurement

540 Ω (11 Feb 2022)

#### Lifetime Range

540 Ω

## Test Results: Right Ventricle

Page 2 of 4

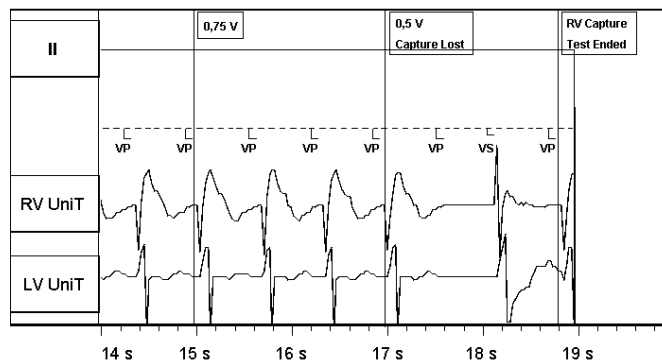
### Right Ventricular Capture Test

0,75 V @ 0,4 ms (Bi)

11 Feb 2022

Safety Margin: 3,3 : 1 @ 2,5 V

No previous results



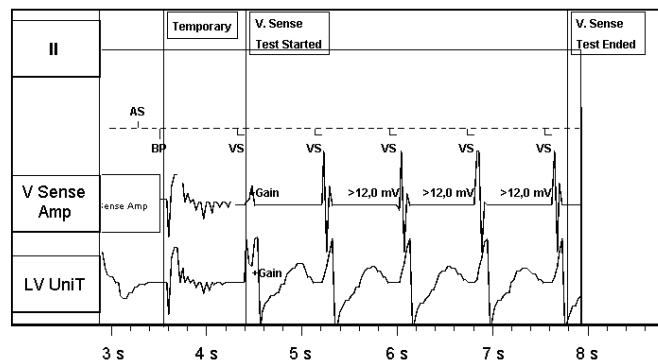
### Ventricular Sense Test

>12,0 mV (>12,0 - >12,0 mV) (RV Bi)

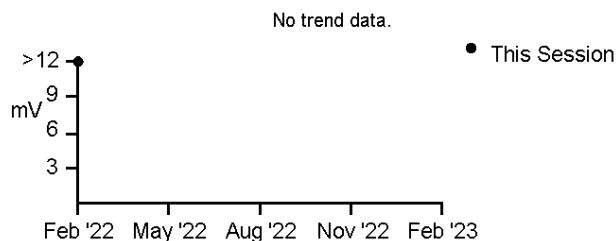
11 Feb 2022

Safety Margin: >6,0 : 1 @ 2,0 mV

No previous results



### Ventricular Sense Amplitude Trend



Right Ventricular Lead Impedance: 540  $\Omega$  (Bipolar) 11 Feb 2022

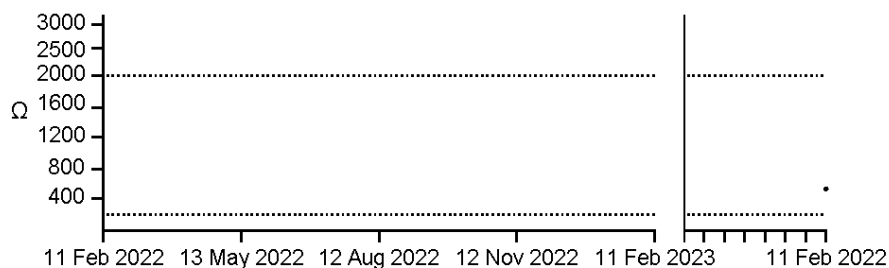
1-year trend

**A** Auto Polarity Switch

Last 7 Days

Programmed Pulse Configuration  
Lead Monitoring

Lower Limit 200  $\Omega$   
Upper Limit 2.000  $\Omega$



Configurations

Bipolar

First Measurement

540  $\Omega$  (11 Feb 2022)

Lifetime Range

540  $\Omega$

## Test Results: Left Ventricle

Page 3 of 4

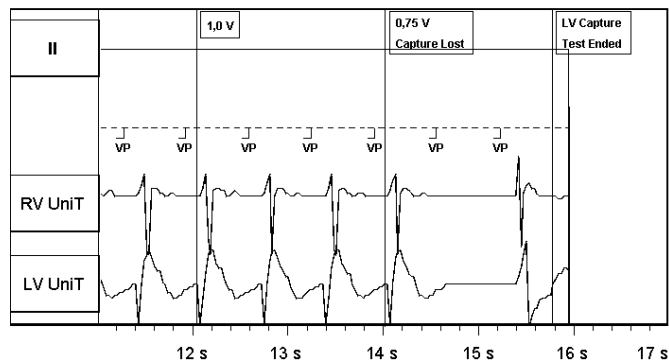
### Left Ventricular Capture Test

1,0 V @ 0,4 ms (LVT-RVR)

11 Feb 2022

Pacing Margin: 1,5 V @ 2,5 V

No previous results



### LV Lead Impedance:

750  $\Omega$  (LV tip to RV ring)

11 Feb 2022

LV: 1-year trend

**A** Auto Polarity Switch

Last 7 Days

LV Pulse

Configuration

LV tip to

RV ring

Lead Monitoring

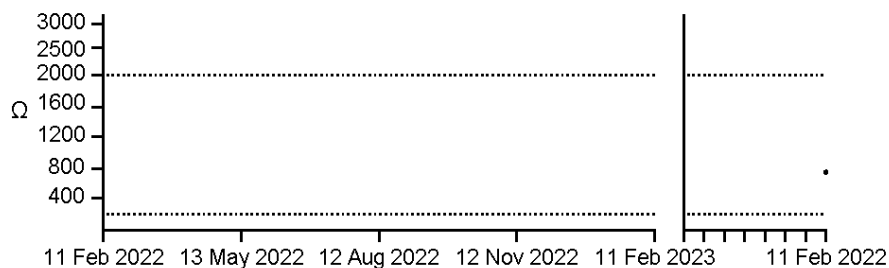
Monitor

Lower Limit

200  $\Omega$

Upper Limit

2.000  $\Omega$



Configurations

LV tip to RV ring

First Measurement

750  $\Omega$  (11 Feb 2022)

Lifetime Range

750  $\Omega$

# Test Results: Battery

Page 4 of 4

## Battery Information

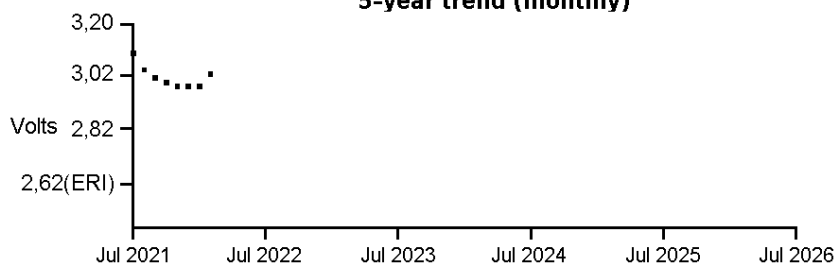


Voltage	3,02 V
Magnet Rate	100,0 ppm
Battery Current	13 uA
Remaining Capacity to ERI	>95%

Longevity estimate is available after  
24 hours of patient history is collected

## Voltage Trend

### 5-year trend (monthly)



8 months sampled

# Presenting Rhythm Freeze

Page 1 of 1

11 Feb 2022 8:49

## Key Parameters

Mode	DDD
Base Rate	60 bpm
Rest Rate	Off
Paced AV Delay	200 ms
Sensed AV Delay	150 ms
Max Track Rate	130 bpm
Max Sensor Rate	130 bpm
Hysteresis Rate	Off
ACap™ Confirm	Off
RVCap™ Confirm	Off
LVCap™ Confirm	Off
AF Suppression™	Off
Negative AV Hysteresis/Search	Off
Rate Responsive AV Delay	Medium
Rate Responsive PVARP/V Ref	High
Ventricular Safety Standby	On

1: II AutoGain (100,0 mm/mV)

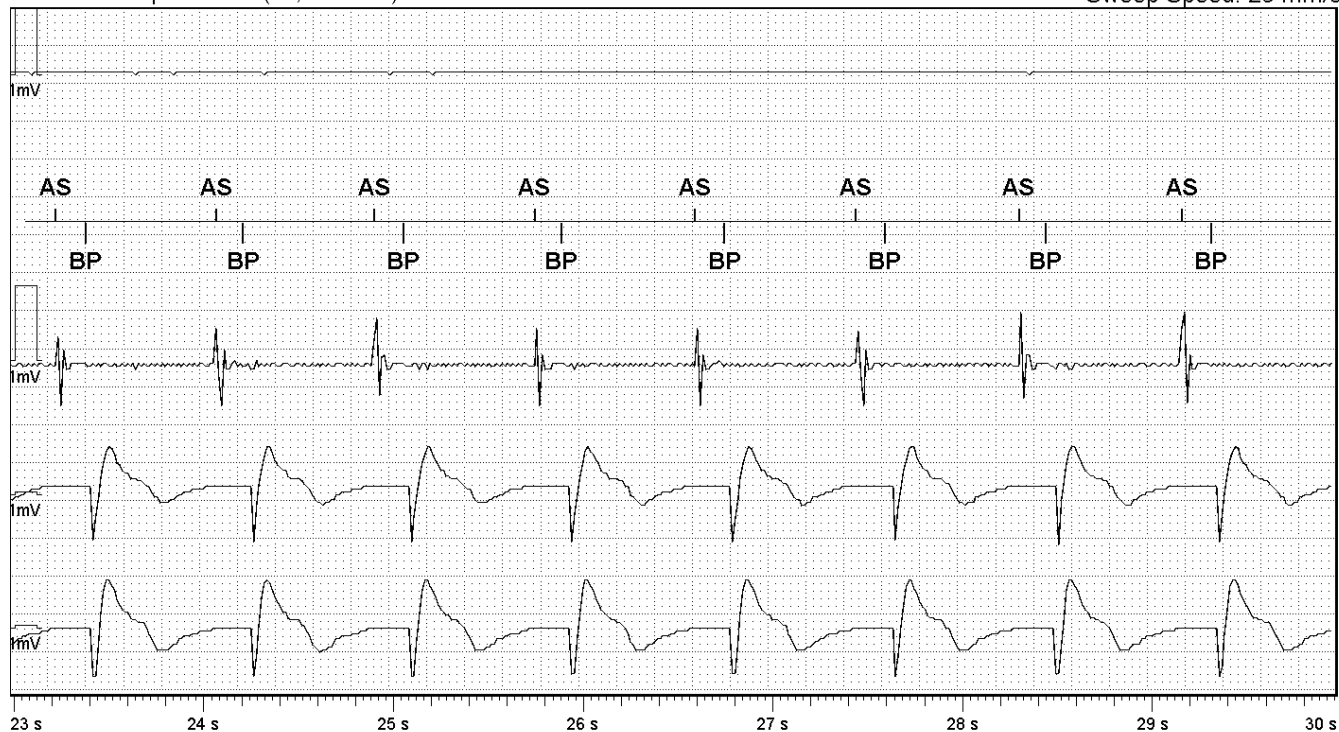
2: Markers

3: A Sense Amp AutoGain (10,0 mm/mV)

4: RV Unipolar Tip AutoGain (0,7 mm/mV)

5: LV Unipolar Tip AutoGain (0,7 mm/mV)

Sweep Speed: 25 mm/s





# Wrap-up™ Overview

Page 1 of 1

**Patient**

Date of Birth

EF %

Unknown

**Indications for Implant****Device**

CRT-P

A Lead

RV Lead

LV Lead

**Manufacturer**

St. Jude Medical

**Model**

Allure™ 3120

**Serial**

3842874

**Implant Date**

11 Feb 2022

**Battery**

Voltage

3,02 V

Magnet Rate

100,0 ppm

Battery Current

13 uA

Remaining Capacity to ERI

&gt;95%

Longevity estimate is available after

24 hours of patient history is collected

**Test Results** 11 Feb 2022

A Automatic

	Capture	Sense	Lead Impedance
A	0,5V @ 0,4ms (Bi)	0,8mV (Bi)	540 Ω (Bi)
RV	0,75V @ 0,4ms (Bi)	>12,0mV (RV Bi)	540 Ω (Bi)
LV	1,0V @ 0,4ms (LVT-RVR)		750 Ω (LVT-RVR)

**Parameters**

Mode	↳ DDDR
Base Rate	60 bpm
Max Track Rate	130 bpm
Paced AV Delay	200 ms
Sensed AV Delay	150 ms
Ventricular Pacing	Simul.

**Programming Changes**

	Initial	Final
A. Lead Type	Uncoded	↳ Bipolar
A. Sensitivity	0,5 mV	↳ 0,3 mV
ACap™ Confirm	Off	↳ Monitor
ACap™ Confirm Search Interval	n/a	↳ 8 hours
Atrial Backup Pulse Configuration	n/a	↳ Bipolar
LV Lead Type	Uncoded	↳ Bipolar
Mode	DDD	↳ DDDR
RV Lead Type	Uncoded	↳ Bipolar
Sensor	Passive	↳ On

**No Alerts**

↳ Manual-programmed

↳ Auto-programmed