

FastPath™ Summary

1 Alert

Page 1 of 1

Battery

~ERI

Longevity: 7,3 yrs

Implant Date:

3 May 2019

Last Max Charge Battery Current

13 uA

Remaining Capacity to ERI

9,4 sec (28 Oct 2021)

78%

Test Results 29 Mar 2022

Automatic

Capture

0,75V @ 0,5ms (Bi)

8,1mV (Bi) **4**

Sense

Lead Impedance
360 Ω(Bi) 4

390 Ω (Bi) 16 Mar 2022

0,625V @ 0,5ms (Bi) 17 Mar 2022

9,7mV (Bi) 17 Mar 2022

390 12 (DI) 10 WIAI 2022

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62 Ω (RV to Can) **4** 82 Ω (RV to Can) 16 Mar 2022

Parameters

Zone Configuration

Mode VVI Detection Criteria

Base Rate 40 bpm Therapy (ENABLED)

 VT
 VF

 171 bpm
 214 bpm

 ATP x3
 ATP x1

 25,0 J
 36,0 J

 36,0 J
 40,0 J

 40,0 J x2
 40,0 J x4

Capture & Sense

AutoCapture
Pulse Amplitude
Pulse Width
AutoSense
Sensitivity

Auto 🙆

Diagnostics Summary

Since 3 May 2019

VT/VF Episodes: 0

Since 17 Mar 2022

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<1 %

Episodes ATP Delivered Shocks Delivered VT VF
0 0
0 0
0 0
0 0

SVT Episodes: 0

Non-sustained Episodes: 0

Alerts



Updated ST Suggested Thresholds available for programming



Episodes Summary

Page 1 of 1

Episodes Last Cleared	3 May 2019 9:37
SEGMs Last Cleared	3 May 2019 9:37

Last Read 29 Mar 2022 13:02

Therapy Summary

	VI	VF
ATP Delivered	0	0
Shocks Delivered	0	0
Max Energy Shocks	0	0

Results of ATP Delivery

Last HV Lead Impedance n/a

Total Aborted Shocks 0

Episode Tree

No tachyarrhythmia episodes detected

VT/VF Episodes

No episodes recorded

Other Episodes				
Date / Time	Туре	Peak A Rate (bpm)	Duration (D:H:M:S)	Alerts
29 Mar 2022 10:02	Morphology Template Update			
29 Mar 2022 7:02	Morphology Template Update			
29 Mar 2022 4:02	Morphology Template Update			
28 Mar 2022 22:02	Morphology Template Update			
28 Mar 2022 13:02	Morphology Template Update			
27 Mar 2022 16:02	Morphology Template Update			
27 Mar 2022 13:02	Morphology Template Update			
27 Mar 2022 7:02	Morphology Template Update			
27 Mar 2022 4:02	Morphology Template Update			
26 Mar 2022 16:02	Morphology Template Update			
26 Mar 2022 10:02	Morphology Template Update			
26 Mar 2022 1:02	Morphology Template Update			
25 Mar 2022 19:02	Morphology Template Update			
25 Mar 2022 13:02	Morphology Template Update			
25 Mar 2022 7:02	Morphology Template Update			
25 Mar 2022 4:02	Morphology Template Update			
24 Mar 2022 10:02	Morphology Template Update			
22 Mar 2022 19:02	Morphology Template Update			
22 Mar 2022 13:02	Morphology Template Update			
21 Mar 2022 22:02	Morphology Template Update			
21 Mar 2022 10:02	Morphology Template Update			
19 Mar 2022 22:02	Morphology Template Update			
19 Mar 2022 10:02	Morphology Template Update			
18 Mar 2022 19:02	Morphology Template Update			
18 Mar 2022 16:02	Morphology Template Update			
18 Mar 2022 13:02	Morphology Template Update			
18 Mar 2022 10:02	Morphology Template Update			
17 Mar 2022 19:02	Morphology Template Update			

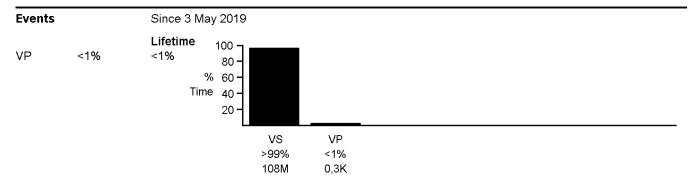


Extended Diagnostics

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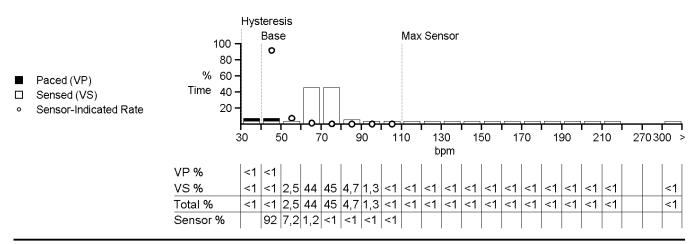
Parameters

ModeVVIBase Rate40 bpmMax Sensor Rate110 bpm



Ventricular Heart Rate Histogram

Since 3 May 2019



Daily Exercise Training (Activity > 1 minute)

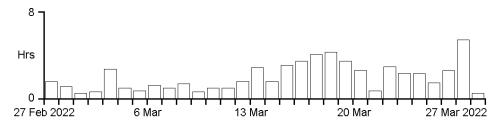


Extended Diagnostics

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Total Daily Activity





ST Episodes Since 3 May 2019

No episodes detected.

VT/VF Episodes: 0 Since 17 Mar 2022

New Episodes within 15 Min. of an ST Episode: 0

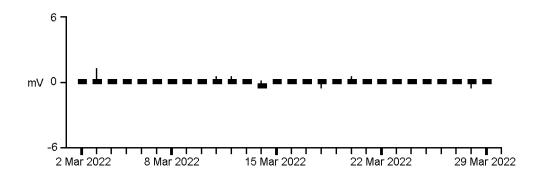
VT VF
Episodes 0 0
SVT Episodes: 0

Updated ST Suggested Thresholds available for programming.

ST Deviation Trend Resting HR Zone: 40-86 bpm

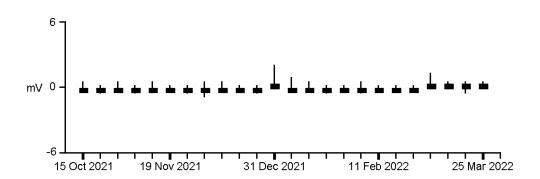
Last Month (daily)

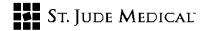
ST settings adjusted



Last 6 Months (weekly)

ST settings adjusted

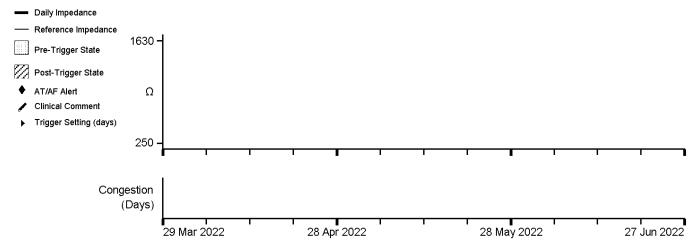




Extended Diagnostics

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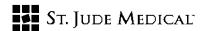
CorVue™ Congestion Monitoring is OFF (3 Month View)



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.

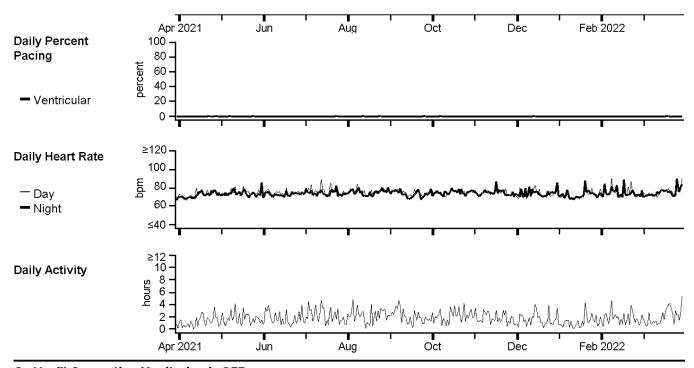
Congestion Details (Last Session: 17 Mar 2022)

No Congestion Episodes recorded

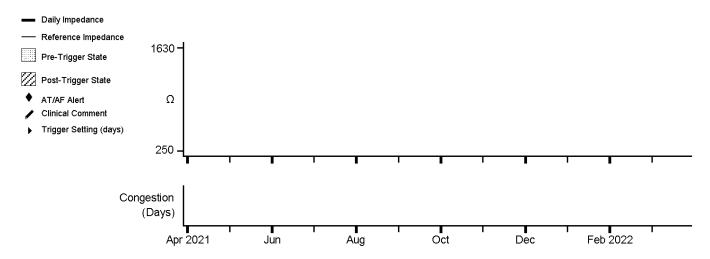


DirectTrend™ 1 Year Daily

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CorVue™ Congestion Monitoring is OFF



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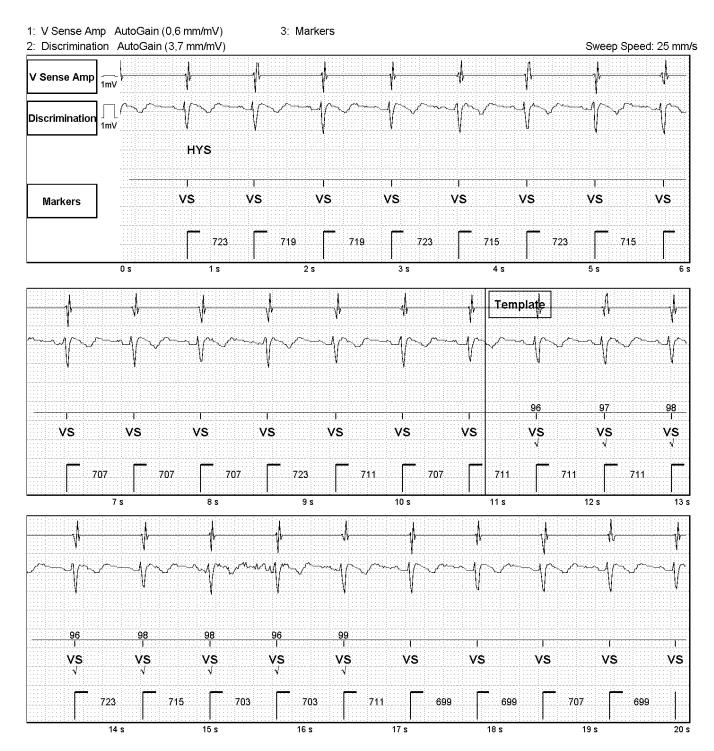
Episode: Morphology Template Update

Other Episode 60 of 60

Page 1 of 1

29 Mar 2022 10:02

Mode n/a





Test Results: Ventricle

Page 1 of 2

Ventricular Capture Test

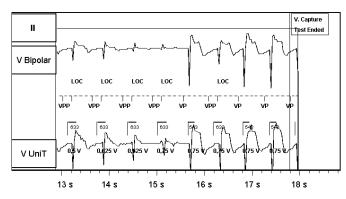
0,75 V @ 0,5 ms (Bi) 0,625 V @ 0,5 ms (Bi)

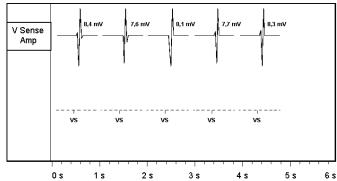
29 Mar 2022 17 Mar 2022

Ventricular Sense Test

8,1 mV (7,6 - 8,4 mV) (Bi) 4 9,5 - 9,9 mV (Bi)

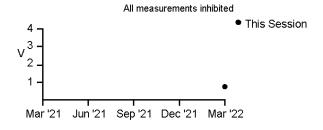
29 Mar 2022 17 Mar 2022

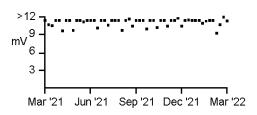




AutoCapture Trend

Ventricular Sense Amplitude Trend

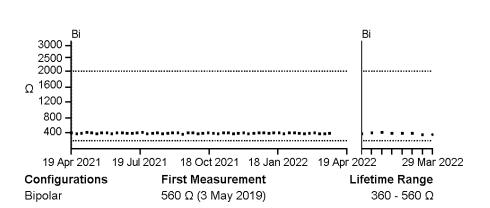




Ventricular Lead Monitoring: 1-year trend

360 Ω (Bi) 29 Mar 2022

Last 7 Days



Programmed Pulse Bipolar
Configuration
V. Lead Monitoring Monitor

 $\begin{array}{ll} \text{Lower Limit} & 200 \ \Omega \\ \text{Upper Limit} & 2.000 \ \Omega \end{array}$

Last 7 Days



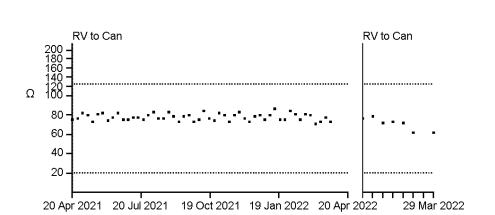
1-year trend

Test Results: HV Lead Impedance and Battery

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62 Ω (RV to Can) 29 Mar 2022



Programmed Shock RV to Can Configuration

Lower Limit 20Ω Upper Limit 125Ω

- RV to Can
- RV to SVC
- ▼ SVC to Can
- Therapies

First Measurement

RV to Can 74 Ω (3 May 2019)

Lifetime Range $50 - 96 \Omega$

> 5 yrs

Battery Information

Longevity: 7,3 yrs

~ERI

Last Max Charge

9,4 sec (28 Oct 2021)

Longevity estimate is based on patient history

Battery Current Remaining Capacity to ERI 13 uA 78%

Page 1 of 1



Presenting Rhythm Freeze

29 Mar 2022 13:02

Key Parameters

 Mode
 VVI

 Base Rate
 40 bpm

 Rest Rate
 Off

 Max Sensor Rate
 110 bpm

 Hysteresis Rate
 30 bpm

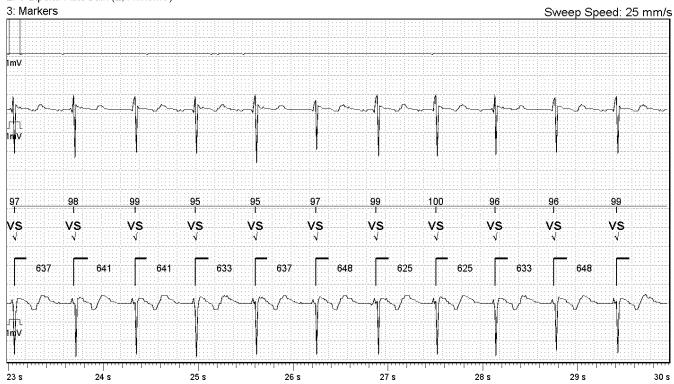
 V. AutoCapture
 On

 Rate Responsive V Ref
 Low

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

2: V Bipolar AutoGain (2,1 mm/mV)

4: V Unipolar Tip AutoGain (1,7 mm/mV)





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Parameters

aт	۱n	

14 Apr 1944

Date of Birth EF %

Basic Operation

35 %

Indications for Implant

Device	Manufacturer	Model	Serial	Implant Date
ICD	St. Jude Medical	Fortify Assura™ VR 1359-40QC	5473910	3 May 2019
V Lead	St. Jude Medical	Durata™ 7122Q / 65 cm	BPA102429	3 May 2019

Mode	VVI
Magnet Response	Normal
V. Noise Reversion Mode	Pacing Off
Sensor	Passive
Threshold (Measured Avg.)	Auto (+0.0) (2,0)
Slope	8
Max Sensor Rate	110 bpm
Reaction Time	Fast
Recovery Time	Medium

Rates

Base Rate 40 bpm Rest Rate Off Max Sensor Rate 110 bpm Hysteresis Rate 30 bpm Search Interval Off Cycle Count 1 cycles

Capture & Sense

AutoCapture Backup Pulse Configuration Bipolar Search Interval Pulse Amplitude Pulse Width 0,5 ms AutoSense On Sensitivity

Leads	V
Lead Type	Bipolar
Pulse Configuration	Bipolar
Sense Configuration	Bipolar
Lead Monitoring	Monitor
Lower Limit	200 Ω
Upper Limit	2.000Ω
HVLI Lower Limit	20 Ω
HVLI Upper Limit	125 Ω

		_				
Refr	acto	ries	æ	Rla	nkir	าต

Rate Responsive V Ref Low Shortest V Ref 225 ms V Pace Refractory 250 ms 125 ms V Sense Refractory Arrhythmia Unhiding 3 intervals

٧ On 8 hours 1,0 V 🙆 Auto 🙆

Last Programmed: Today 13:03 Parameters that are "n/a" are not shown

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

▶ Manual-programmed

▶ Auto-programmed





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Parameters

ShockGuard™ Settings (Zone Configuration)

Detection Criteria	VT 171 bpm/350 ms 20 intervals	VF 214 bpm/280 ms 12 intervals
SVT Discrimination	On	
Therapy	ATP x3 25,0 J/704 V 36,0 J/845 V 40,0 J/890 V x2	ATP x1 36,0 J/845 V 40,0 J/890 V 40,0 J/890 V x4
VT Therapy Timeout Timeout Trigger	120 sec VT Therapy	

SVT Discrimination

SVT Discrimination

SVT Discrimination Timeout

SVT Upper Limit

Ventricular Only

Off

Same as VF

Rate Branch
VT Diagnosis
Criteria

	Additiona	al Discriminators		Diagnosis
Morphology		Interval Stability		Deliver therapy only if
Morphology	On	Interval Stability	Passive	the active SVT Discrimination
Туре	Far Field MD	Stability Delta	40 ms	criteria indicate VT.
Match	90 %, 3 of 10	SIH Count (passive)	2 intervals	
Configuration Sudden Onset Sudden Onset Onset Delta	RV Coil-Can Passive 100 ms	Window Size	12 intervals	

SecureSense™ Settings

SecureSense™

Far Field MD / SecureSense™ Configuration

Timeout Until Therapy

Trigger alert for Non-sustained V Oversensing (NSO)

On

RV Coil-Can

Off

5 episodes





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In-Clinic

Parameters

ATP Upper Rate Cutoff

Number of Bursts

Number of Stimuli Add Stimuli per Burst

Burst Cycle Length

ATP Details

ATP Type

ATP Pulse Amplitude 7.5 V ATP Pulse Width 1,0 ms

> Therapy 1 Therapy 2

3 8 Off 85 %

Min. Burst Cycle Length 200 ms Readaptive Off Scanning On (Dec) Scan Step 10 ms Off

Ramp

Therapy 1

ATP While Charging 250 bpm/240 ms

8

85 % 170 ms

Off

SenseAbility™ Settings

Pacemaker

Same as Defib (0,5 mV @ 110 bpm) Defib 0,5 mV

(0,5 mV @ 110 bpm)

On

Low Frequency Attenuation

Max Sensitivity

Decay Delay

Threshold Start

Post-Sensed

60 ms 50 %

65 %

Post-Paced

95 ms 1,0 mV

DeFT Response™ Settings (Shock Waveform)

Waveform **Biphasic** Waveform Mode Tilt

RV to Can **Shock Configuration RV** Polarity Anode(+) DynamicTx™ Over-Current

Off **Detection Algorithm**

1st Phase

VF Shocks (Defib) VT Shocks (CVRT) Same as Defib

Estimated Defib Pulse Width $7,7 \, \text{ms}$ Estimated CVRT Pulse Width 7.7 ms

Shock Impedance 62 Ω (Measured) 2nd Phase

65 %

Same as Defib



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Pa	ra	m	et	ρ	rs
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Post-Shock Pacing Mode Base Rate Pause Duration	VVI 60 bpm 2 sec 0,5 min	Redetection & Post-Detection VT Redetection Sinus Redetection Post VF Detection Post VT Detection		6 i No Sa	ction 6 intervals Nominal (5 intervals) Same as VT Same as VT	
Vulse Amplitude 7,5 Vulse Width 1,5 ms		Capacitor Maintenance Charge Interval			6 months	
MRI MRI Mode HV Lead Type	Pacing O Dual Coil					
Congestion Monitoring Congestion Monitoring	Off					
ST Monitoring Settings Diagnostic	On					
Heart Rate Range	Resting HR 40-86 bpm	Elev. 1 HR 87-104 bpm	Elev. 2 HF 105-122 bp		ev. 3 HR 3-140 bpm	
lso. Interval Start	160 ms	130 ms	124 ms	11	8 ms	
lso. Interval Duration	60 ms	48 ms	48 ms	42	ms	
ST Interval Start	78 ms	66 ms	60 ms	60	ms	
ST Interval Duration	60 ms	48 ms	42 ms	42	ms	
Positive Threshold Negative Threshold	10 % R Peak 18 % R Peak	8 % R Peak 20 % R Peak	8 % R Pea 20 % R Pe		% R Peak % R Peak	
Trigger Alerts When		Show o	n FastPath™	Notify Pati	ent	
V Lead Impedance Out of Range (200 - 2.000 Ω)		On		On		
Therapy inhibits due to V lead noise		On		On		
5 episodes of Non-sustained V Oversensing detected		On		Off		
HV Lead Impedance Out of Range (20 - 125 Ω)		On On		On Off		
Percent V Pacing Alert (>40% over 7 days) ST Episode Alert		On On		Off		
ST Suggested Thresholds Available Alert		On		J II		
Device at ERI		On		On		
Charge Time Limit Reached (32 sec)		On		On		
Possible HV Circuit Damage		On		On		
Device Parameter Reset		On		On		
Backup VVI		On		On		
Patient Notifier Delivery Vibration Duration	6 sec					

Number of Notifications

6 sec 4

Time Between Notifications

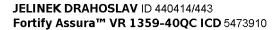
10 hours

Last Programmed: Today 13:03
Parameters that are "n/a" are not shown

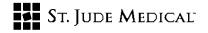
Bold values were changed this session (See Wrap-up™ Overview report for details)

▶ Manual-programmed





29 Mar 2022 13:04 In-Clinic



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Parameters

Episode Triggers

VT (Detection) High
VF (Detection) High
Non-sustained V Oversensing High
Non-sustained VT/VF Low
Noise Reversion Off
Magnet Response Low
Morphology Template Update Low

Stored EGM Configuration

VT/VF EGM Max Duration 1 min
VT/VF Pre-Trigger Max Duration 14 sec
Channels (Storage) 1 (45 min)
Channel 1 V Sense Amp





Wrap-up™ Overview

1 Alert

Page 1 of 1

Patient

Indications for Implant

Date of Birth

14 Apr 1944

EF %

35 %

Model		

Serial Implant Date 5473910

Device ICD V Lead

Manufacturer St. Jude Medical St. Jude Medical

Fortify Assura™ VR 1359-40QC Durata™ 7122Q / 65 cm

BPA102429

3 May 2019 3 May 2019

Battery

Longevity: 7,3 yrs

VVI

40 bpm

Last Max Charge **Battery Current** Remaining Capacity to ERI 9,4 sec (28 Oct 2021) 13 uA

78%

Longevity estimate is based on

patient history

> 5 yrs ~ERI

Test Results 29 Mar 2022

Sense

Automatic

Capture

360 Ω (Bi) **4**

Lead Impedance

0,75V @ 0,5ms (Bi)

8,1mV (Bi) **4**

62 Ω (RV to Can) 4

VF

Parameters

HV

Mode Base Rate Zone Configuration

Detection Criteria Therapy (ENABLED) 171 bpm ATP x3 25,0 J 36,0 J

40,0 J x2

VT

214 bpm ATP x1 36,0 J

40,0 J 40,0 J x4

Programming Changes

No changes this session

Alerts



Updated ST Suggested Thresholds available for programming