

Name: Test10 Med

ID:

DOB: 1976-04-13

Phone:

Device Status: NIL **Device:** Viva XT CRT-D DTBA1D1 BLF241091H **Implant Date:** Feb 7, 2017 7:00:00 PM**HF Detail:** HF **Biv%:** 98.4**Max atrial heart rate[bpm]:** 330 **Mean atrial heart rate[bpm]:** 69 **Min atrial heart rate[bpm]:** 60**Type of note:** 90 Days**Battery%:** 21**Mode:** DDDR**Observation:**

LV Capture Management determined that threshold increased by 0.75 V from 28-Dec-2019 to 29-Dec-2019. This increase was greater RV Capture Management: Actual safety margin (2.3 X) > programmed margin (2 X). A. Capture Management: Actual safety margin (2.4 X) > programmed margin (2 X). Longest ventricular sensing episode since the last session is greater than 60 seconds. No Wavelet template. Collect one manually on the programmer. No observations based on current interrogation.

Impression:**Plan:****Doctor's Note:**

Test10 Bscd

Test10 Bscd

Test10 Bscd

THIS REPORT WAS ELECTRONICALLY
COSIGNED AND TESTING SUPERVISED BY: Doctor Test
ELECTRONICALLY SIGNED ON: 10-22-2021 14:09:31 EDT



Device: VivaÅ½ XT CRT-D DTBA1D1

Serial Number: BLF241091H

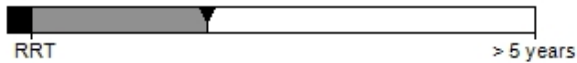
Date of Interrogation: 05-Jan-2020 01:24:03

Patient: Test10 Med

Physician: Bedi - - -

Device Status (Implanted: 08-Feb-2017)

Remaining Longevity 1.7 years (05-Jan-2020)



(based on initial interrogation)

	Atrial	RV SVC	LV
Pacing Impedance	513 ohms	456 ohms	722 ohms
Defibrillation Impedance		RV=52 ohms SVC=66 ohms	
Capture Threshold	0.625 V @ 0.40 ms	0.875 V @ 0.40 ms	2.750 V @ 1.00 ms
Measured On	05-Jan-2020	05-Jan-2020	05-Jan-2020
Programmed Amplitude/Pulse Width	1.50 V / 0.40 ms	2.00 V / 0.40 ms	3.50 V / 1.00 ms
Measured P/ R Wave	3.5 mV	14.9 mV	
Programmed Sensitivity	0.30 mV	0.30 mV	

Parameter Summary

Mode	DDDR	Lower Rate	60 bpm	AdaptivCRT	Adaptive Bi-V
Mode Switch	171 bpm	Upper Track	130 bpm	V. Pacing	LV->RV
		Upper Sensor	120 bpm	Paced AV	160 ms
				Sensed AV	110 ms

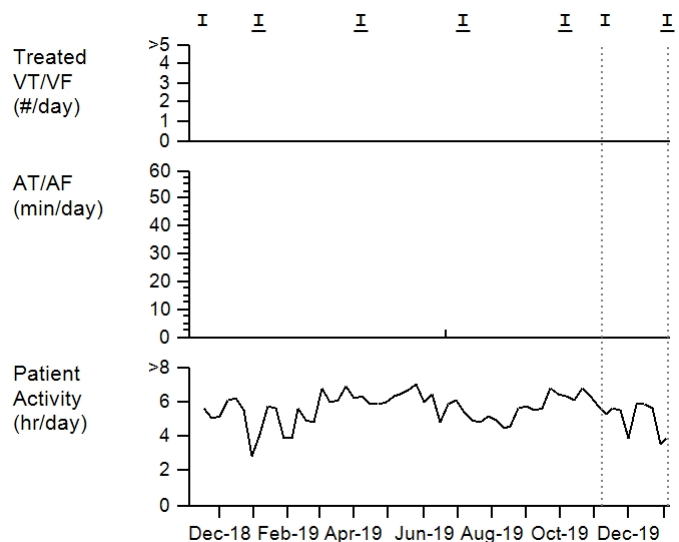
Detection		Rates	Therapies
AT/AF	Monitor	>171 bpm	All Rx Off
VF	On	>188 bpm	ATP During Charging, 20J, 25J, 35J x 4
FVT	OFF		All Rx Off
VT	On	167-188 bpm	Burst(3), 20J, 35J x 4

Enhancements On: AF/Afl, Sinus Tach, Wavelet, TWave, Noise(Timeout)

Clinical Status Since 08-Nov-2019 Cardiac Compass Trends (Nov-2018 to Jan-2020)

Treated	
VF	0
FVT (Off)	
VT	0
AT/AF(Monitor)	
Monitored	
VT (Off)	
VT-NS (>4 beats, >167 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	0
Time in AT/AF	0.0 hr/day (0.0%)

Functional	Last Week
Patient Activity	3.9 hr/day





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Therapy Summary	VT/VF	AT/AF	Pacing	(% of Time Since 08-Nov-2019)
Pace-Terminated Episodes	0	0	Total VP*	98.4%
Shock-Terminated Episodes	0	0	AS-VS	1.1%
Total Shocks	0	0	AS-VP	78.4%
Aborted Charges	0	0	AP-VS	0.3%
			AP-VP	20.2%
* Total VP may decrease 1% to 2% due to periodic AdaptivCRT sensing.				

OBSERVATIONS (5)

Å· LV Capture Management determined that threshold increased by 0.75 V from 28-Dec-2019 to 29-Dec-2019. This increase was greater than Amplitude Safety Margin (+0.5 V) and may have compromised capture.

Å· RV Capture Management: Actual safety margin (2.3 X) > programmed margin (2 X).

Å· A. Capture Management: Actual safety margin (2.4 X) > programmed margin (2 X).

Å· Longest ventricular sensing episode since the last session is greater than 60 seconds.

Å· No Wavelet template. Collect one manually on the programmer.



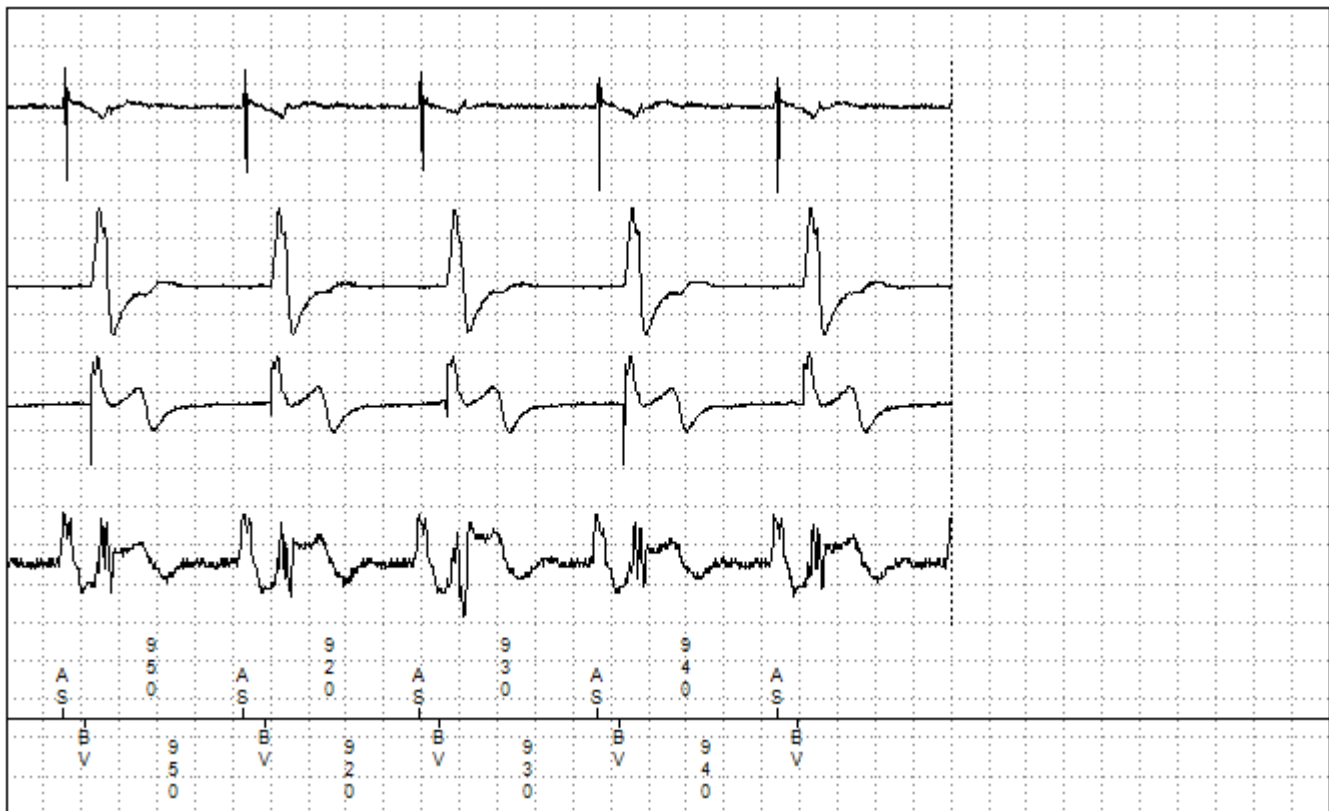
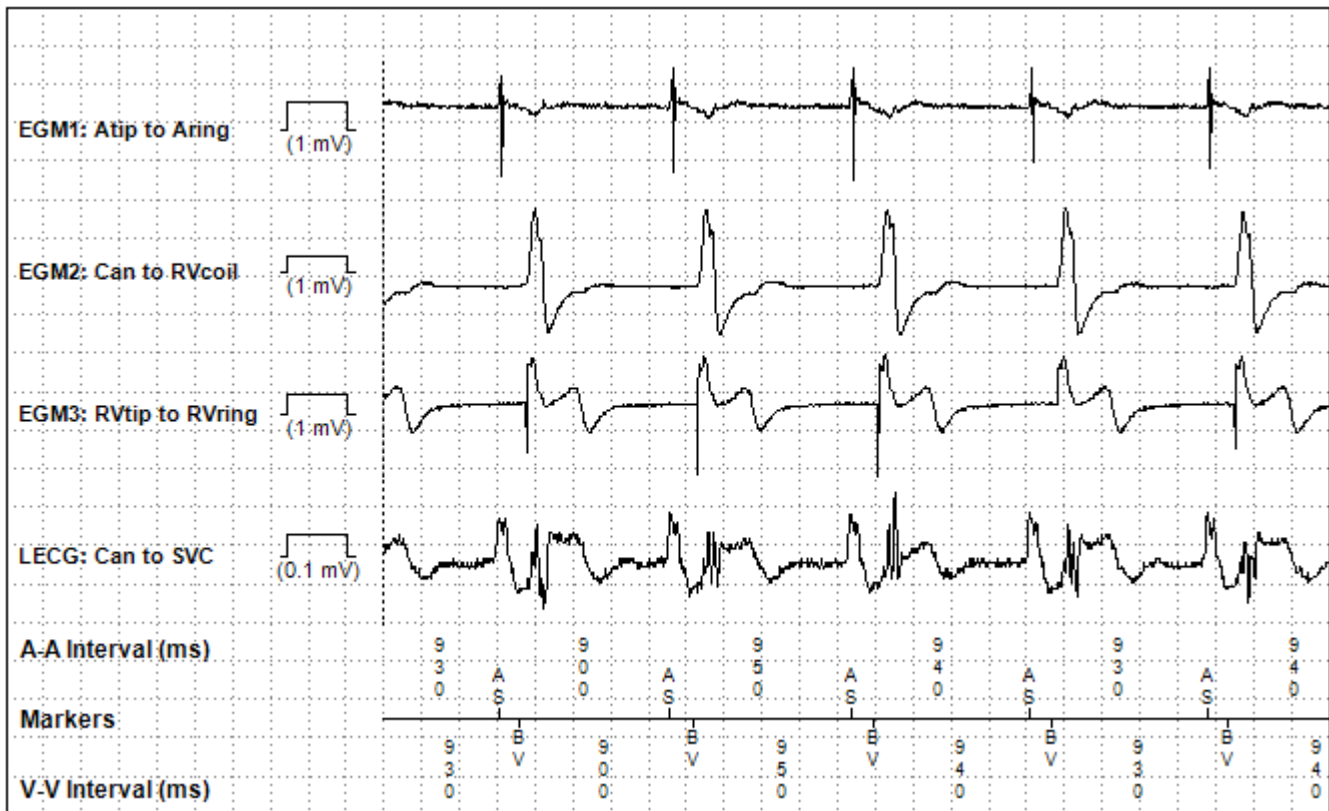
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Chart speed: 25.0 mm/sec





Device: VivaÅ½ XT CRT-D DTBA1D1

Serial Number: BLF241091H

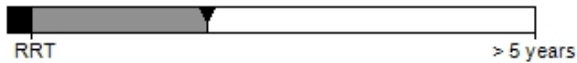
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Enhancements On: AF/Afl, Sinus Tach, Wavelet, TWave, Noise(Timeout)

Clinical Status

Since 08-Nov-2019

Treated

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

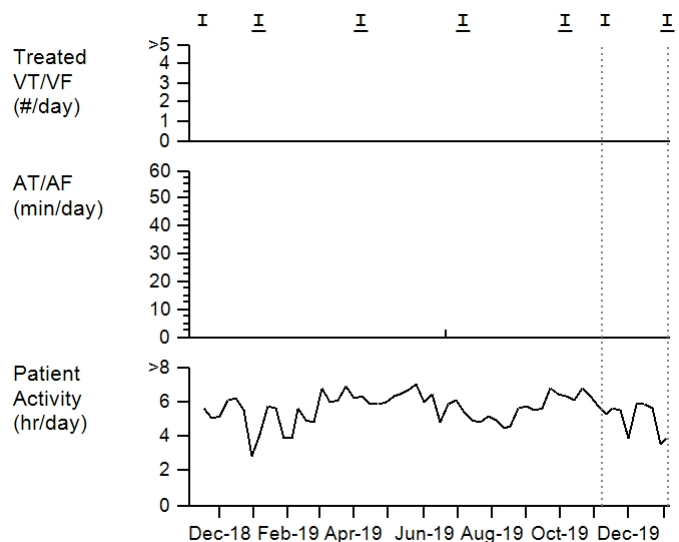
Monitored

VT (Off)	
VT-NS (>4 beats, >167 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	0
Time in AT/AF	0.0 hr/day (0.0%)

Functional

Patient Activity	Last Week 3.9 hr/day
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Cardiac Compass Trends (Nov-2018 to Jan-2020)



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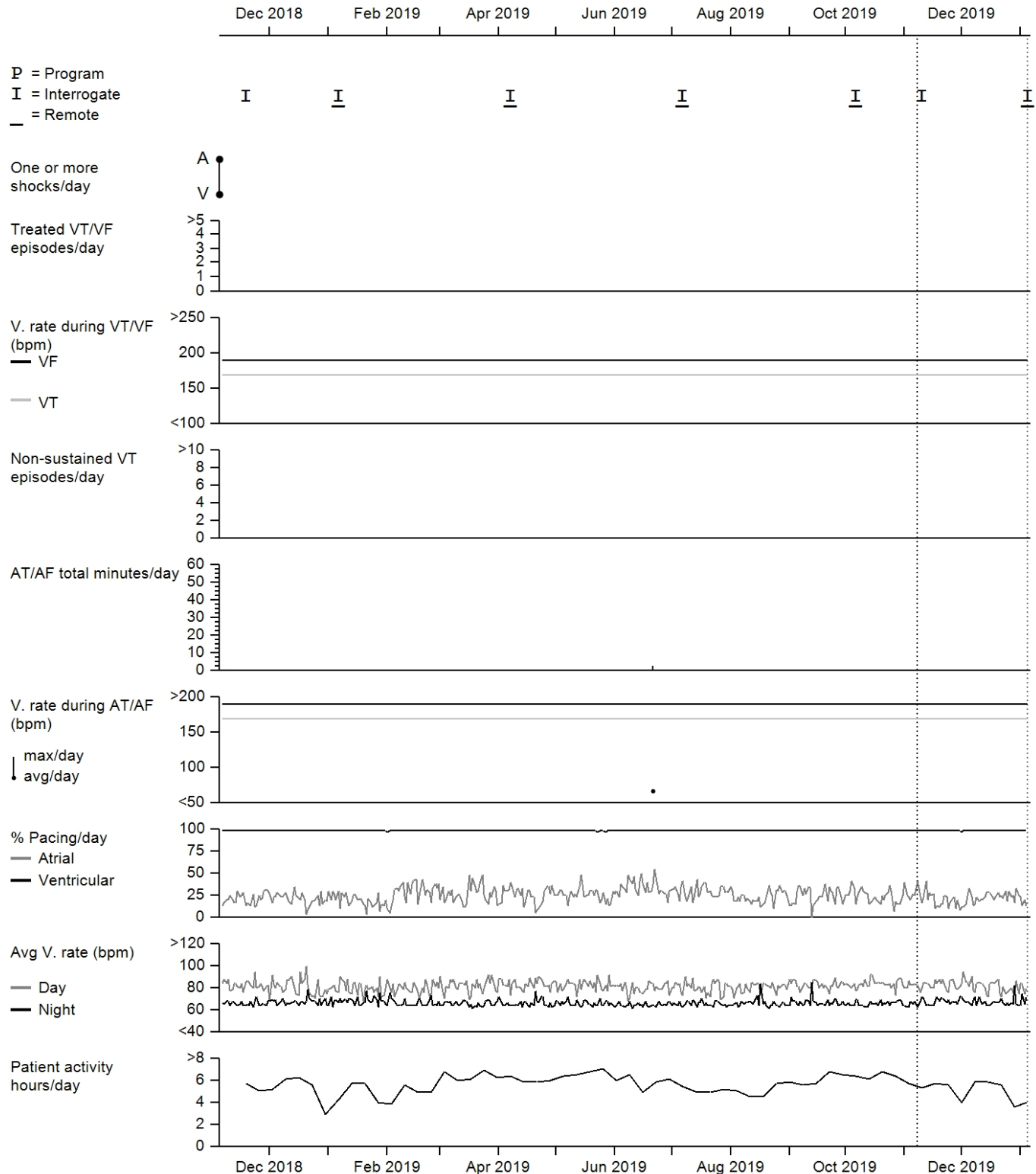
Device: Viva[®] 1/2 XT CRT-D DTBA1D1

Serial Number: BLF241091H

Date of Interrogation: 05-Jan-2020 01:24:03

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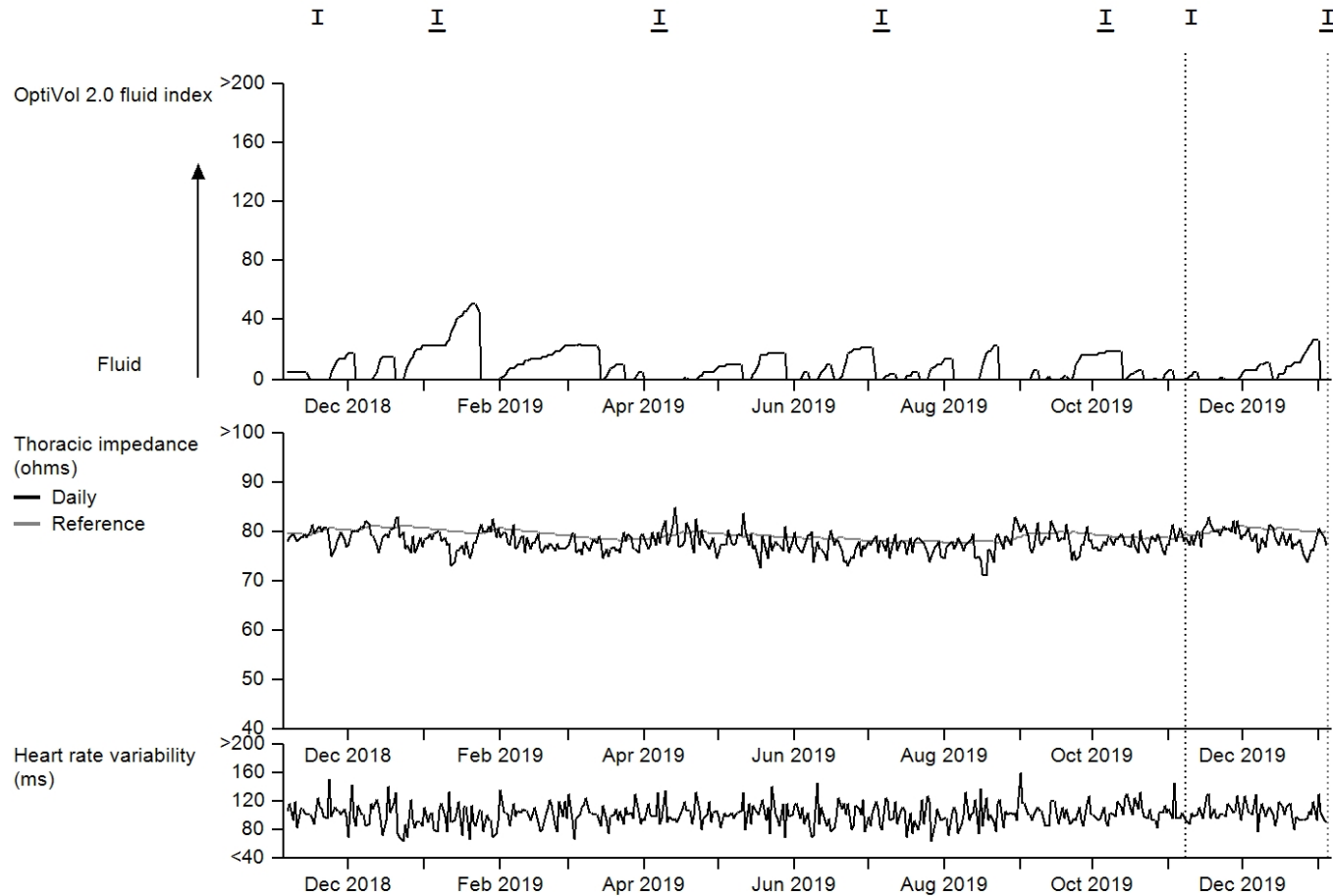
Physician: Bedi - - -





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

The OptiVol feature is an additional source of information for patient management and does not replace assessments that are part of standard clinical practice. Note: The OptiVol threshold and observations are not available from the Medtronic CareLink Network.





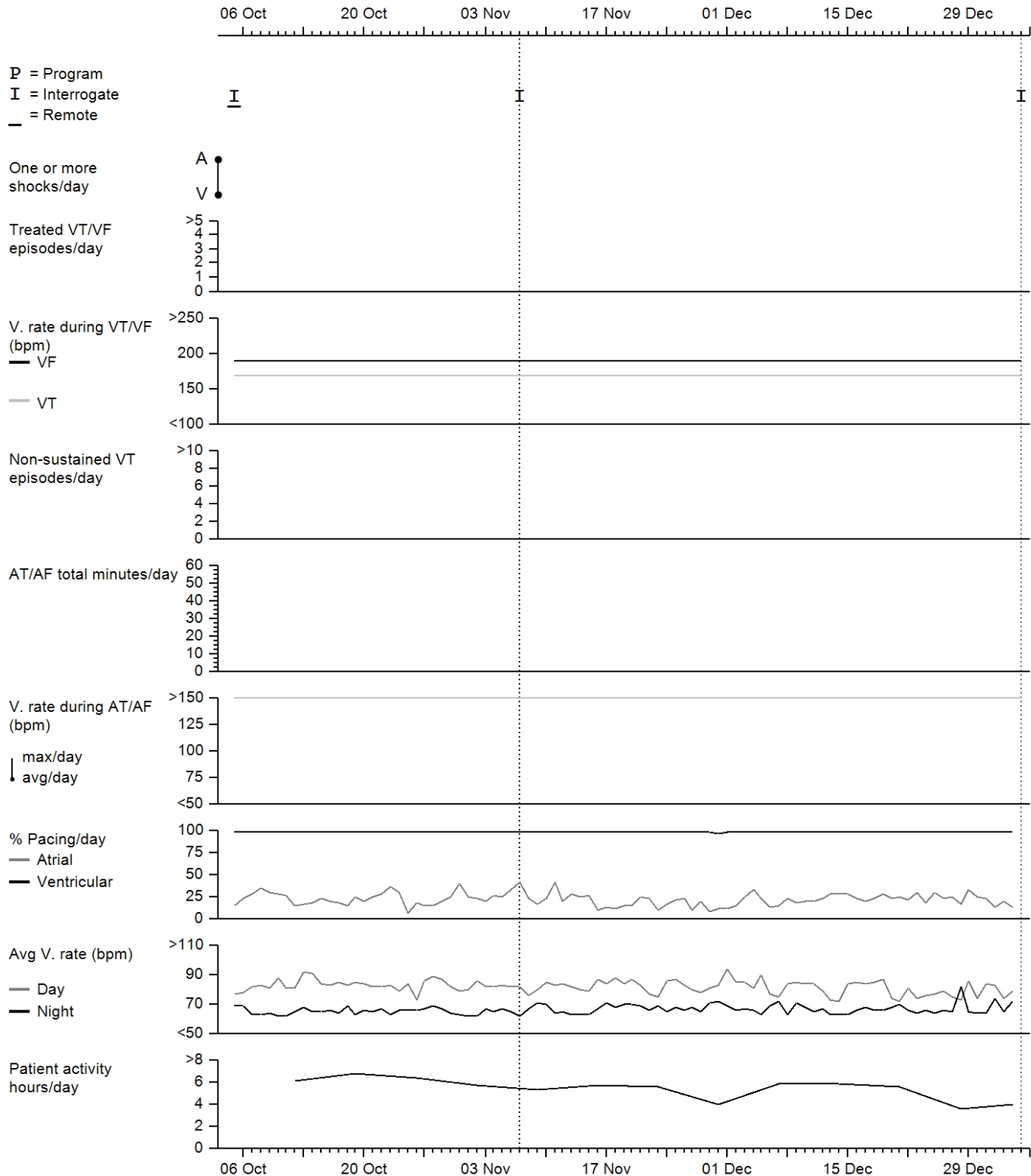
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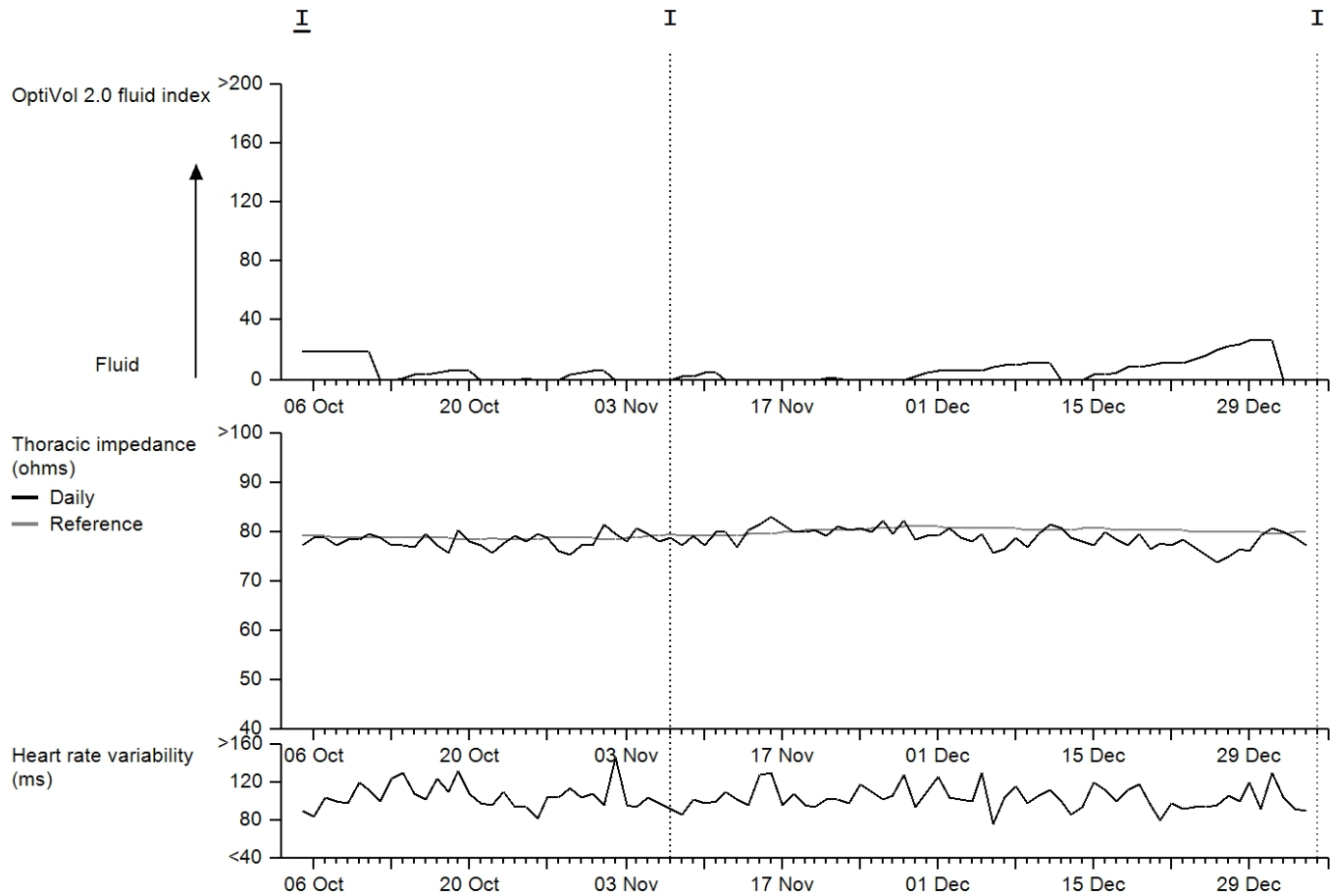
Patient: Test10 Med

Physician: Bedi - - -

Last 90 Day Zoom (Oct 7, 2019 - Jan 5, 2020)

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Patient: Test10 Med

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Last Interrogation: 05-Jan-2020 01:24:03

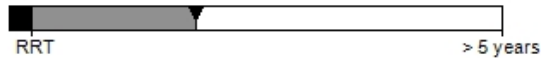
Remaining Longevity

05-Jan-2020

Estimated at: 1.7 years

Minimum: 1.1 years

Maximum: 2.3 years



(based on initial interrogation)

Battery Voltage

05-Jan-2020

Voltage 2.93 V

(RRT=2.73V)

Last Charge

15-Nov-2019

Charge Time 3.9 sec

Energy 0.0 - 18 J

Sensing Integrity Counter

Since 08-Nov-2019

Short V-V Intervals 0

Atrial Lead Position Check

No measurement since reset.

Lead Impedance

A. Pacing 513 ohms 04-Jan-2020

RV Pacing (Bipolar) 456 ohms 04-Jan-2020

LV Pacing (LVtip to LVring) 722 ohms 04-Jan-2020

RV Defib 52 ohms 04-Jan-2020

SVC Defib 66 ohms 04-Jan-2020

Sensing

P-Wave Amplitude 3.5 mV 04-Jan-2020

R-Wave Amplitude 14.9 mV 04-Jan-2020

Last High Voltage Therapy

No measurement since reset.



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Date of Interrogation: 05-Jan-2020 01:24:03

Patient: Test10 Med

Physician: Bedi - - -

Prior to Last Session

06-Oct-2019 to
08-Nov-2019
34 days

Since Last Session

08-Nov-2019 to
05-Jan-2020
57 days

Device Lifetime

Total
(Since 08-Feb-2017)
35 months

VT/VF Counters

VF	0	0	0
FVT	0	0	0
VT	0	0	0
Monitored VT (133 - 167 bpm)	0	0	
VT-NS (>4 beats, >167 bpm)	0	0	
High Rate-NS	0	0	
PVC Runs (2-4 beats)	1.0 per hour	0.4 per hour ↓	
PVC Singles	0.1 per hour	0.1 per hour	
Runs of VRS Paces	0.0 per hour	0.0 per hour	
Single VRS Paces	0.0 per hour	0.0 per hour	

SVT: VT/VF Rx Withheld

AFib/AFlutter	0	0	0
Sinus Tach	0	0	0
Other 1:1 SVTs	0	0	0
Wavelet	0	0	0
V. Stability	0	0	0
Onset	0	0	0

V. Oversensing: VT/VF Rx Withheld

V. Oversensing-TWave	0	0	0
V. Oversensing-Noise	0	0	0

VT/VF Therapy Summary

Pace-terminated	0	0	0
Shock-terminated	0	0	0
Total VT/VF Shocks	0	0	0
Aborted Charges	0	0	0

VT/VF Therapy Efficacy Since Last Session

08-Nov-2019 to 05-Jan-2020

VF Therapy	ATP+Chg	20 J	25 J	35 J	35 J	35 J	35 J
Delivered	0	0	0	0	0	0	0
Successful	0	0	0	0	0	0	0

FVT Therapy Off

VT Therapy	Burst	20 J	35 J	35 J	35 J	35 J
Delivered	0	0	0	0	0	0
Successful	0	0	0	0	0	0
Accelerated	0	0	0	0	0	0



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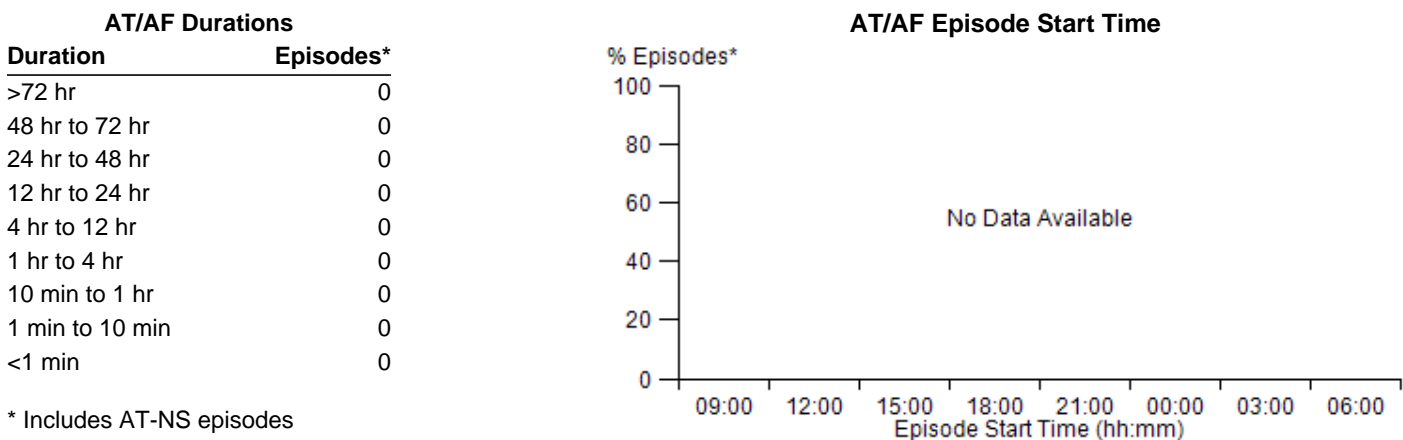
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	Prior to Last Session		Since Last Session	
	06-Oct-2019 to 08-Nov-2019		08-Nov-2019 to 05-Jan-2020	
	34 days		57 days	
AT/AF Summary				
% of Time AT/AF	0.0	%	0.0	%
Average AT/AF time/day	0.0	hours/day	0.0	hours/day
Monitored AT/AF Episodes	0.0	per 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	23.2	%	20.5	% ↓
% of Time Atrial Intervention	0.0	%	0.0	%
AT-NS (>6 beats)	0.0	per day	0.0	per day

Since Last Session 08-Nov-2019 to 05-Jan-2020



AT/AF Rx	Rx1:Off	Rx2:Off	Rx3:Off
Treated episodes			
% Terminated			

ATP Rx versus	100-149	150-199	200-249	250-299	300-349	350-399	400-449	
ms								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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34 days

Since Last Session

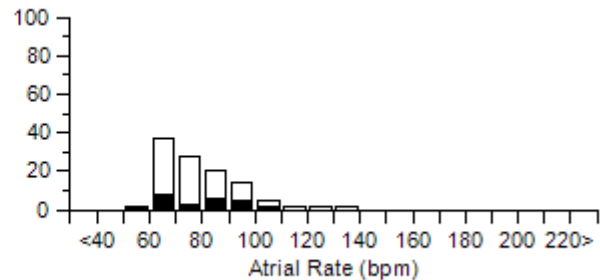
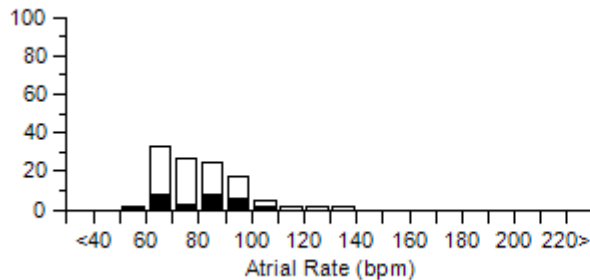
08-Nov-2019 to 05-Jan-2020

57 days

% of Time

AS-VS	1.1%	1.1%
AS-VP	75.8%	78.4%
AP-VS	0.3%	0.3%
AP-VP	22.9%	20.2%
Total VP*	98.4%	98.4%
VSR Pace	1.5%	1.5%
VS	< 0.1%	< 0.1%
CRT Pacing		
Bi-V	100.0%	100.0%
LV	0.0%	0.0%

* Total VP may decrease 1% to 2% due to periodic AdaptivCRT sensing.

Atrial
% of Time□ AS
■ AP**Ventricular**
% of Time□ VS
■ VP