

Combined Follow-up Report
KRÍZ, Karel

Date of Birth 30 Aug 1954
 Device AUTOGEN X4 CRT-D G179/136339
 Tachy Mode Monitor + Therapy

Last Office Interrogation

03 Jun 2016

Implant Date

12 Oct 2015
My Alerts

- ▲ 24 Jun 2016 08:54 Atrial Tachycardia Response (ATR) detected for >48 hours.
- ▲ 27 Jun 2016 11:25 Check LV Lead

Events Since Last Reset (02 Jun 2016)

- 04 Jun 2016 19:32 VF at 268 min⁻¹, No Therapy
 - 04 Jun 2016 19:21 VF at 262 min⁻¹, No Therapy
- See last page for full list of Events Since Last Reset.

Battery OK

Approximate time to explant: 8 years
 Charge Time 9.5 s
 Last Capacitor Re-form 20 Jan 2016 10:08

One Year Remaining

Explant


Leads Data
Implant

12 Oct 2015

Previous Session
Most Recent
Atrial

Intrinsic Amplitude	N/R mV	5.1 mV	2.8 mV
Pace Impedance	N/R Ω	786 Ω	855 Ω
Pace Threshold	N/R V @ N/R ms	1.0 V @ 0.4 ms	No data collected

Right Ventricular

Intrinsic Amplitude	N/R mV	10.3 mV	10.1 mV @ 50 min ⁻¹
Pace Impedance	N/R Ω	355 Ω	424 Ω
Pace Threshold	N/R V @ N/R ms	1.1 V @ 0.4 ms	1.1 V @ 0.4 ms

Left Ventricular

Intrinsic Amplitude	N/R mV	7.5 mV	4.2 mV
Pace Impedance	N/R Ω	603 Ω	705 Ω
Pace Threshold	N/R V @ N/R ms	1.1 V @ 0.4 ms	1.0 V @ 0.4 ms

Shock Vector

Shock Impedance	N/R Ω	53 Ω	55 Ω
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Settings
Ventricular Tachy Settings

VF 230 min ⁻¹ ATP	36J, 41J, 41Jx6
VT 185 min ⁻¹ Burst Ramp	31J, 36J, 41Jx4

Atrial Tachy Settings

 ATR Mode Switch 170 min⁻¹ DDI

Brady/CRT Settings

Mode	DDDR
Lower Rate Limit	85 min ⁻¹
Maximum Tracking Rate	130 min ⁻¹
Maximum Sensor Rate	130 min ⁻¹
Paced AV Delay	220 - 250 ms
Sensed AV Delay	165 - 190 ms
A-Refractory (PVARP)	240 - 280 ms
RV-Refractory (RVRP)	230 - 250 ms
LV-Refractory (LVRP)	250 ms
Ventricular Pacing Chamber	BiV
LV Offset	-60 ms

Pacing Output

Atrial	2.5 V @ 0.4 ms
Right Ventricular	3.0 V @ 0.4 ms
Left Ventricular	3.5 V @ 0.4 ms

Sensitivity

Atrial	AGC 0.25 mV
Right Ventricular	AGC 0.6 mV
Left Ventricular	AGC 1.0 mV

Leads Configuration (Pace/Sense)

Atrial	Bipolar
Right Ventricular	Bipolar
LV (Pace)	LVRing3>>Can
LV (Sense)	LVTip1>>LVRing2

Settings (Continued)

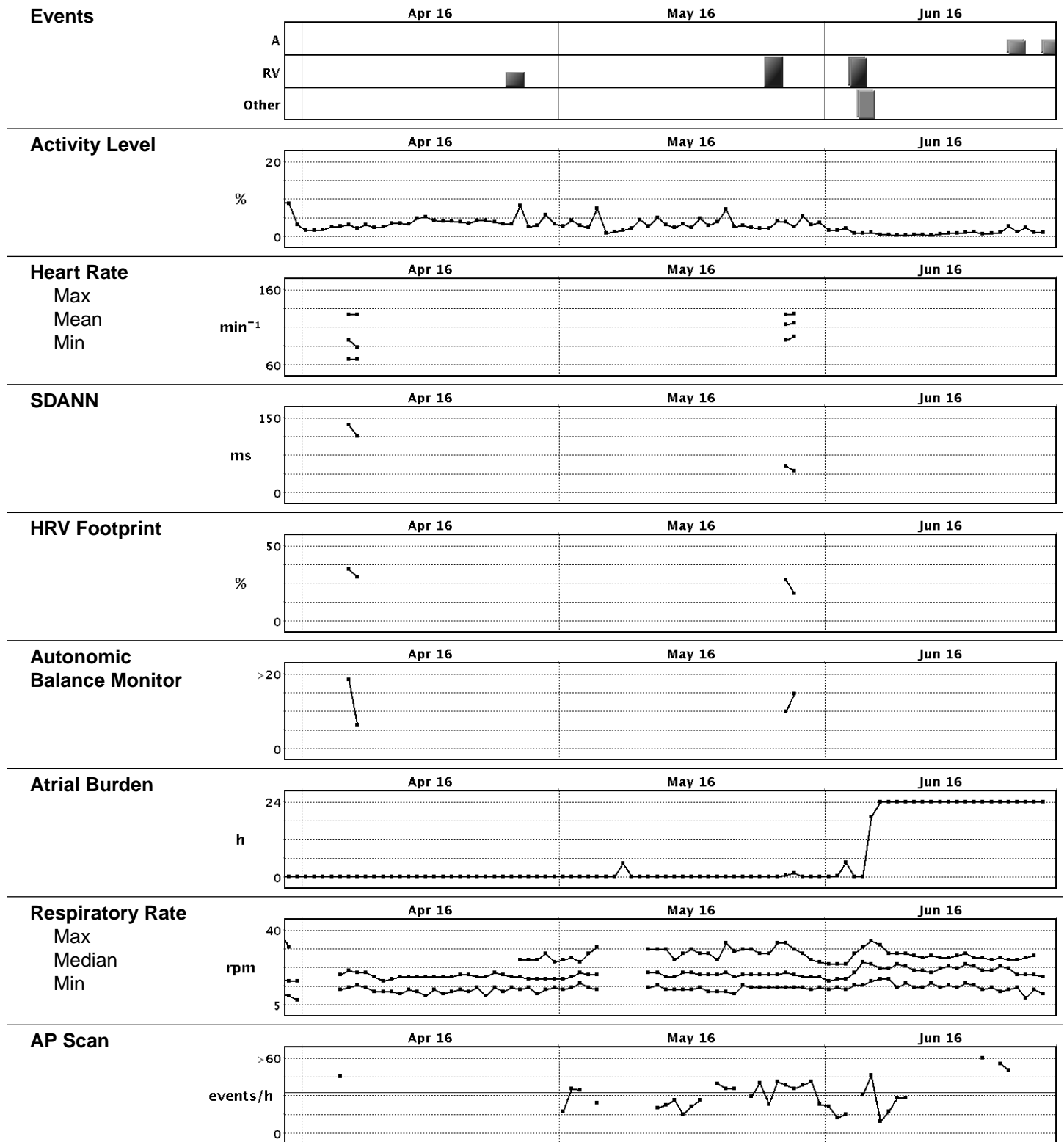
Brady/CRT Settings

Rate Adaptive Pacing	
Minute Ventilation	On
Accelerometer	Passive

Rhythm ID Update

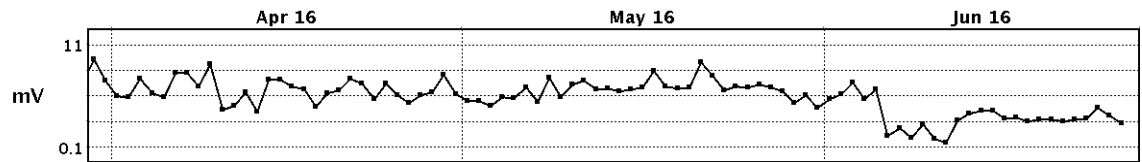
Last Successful Completion 05 Jun 2016 12:12

Trends

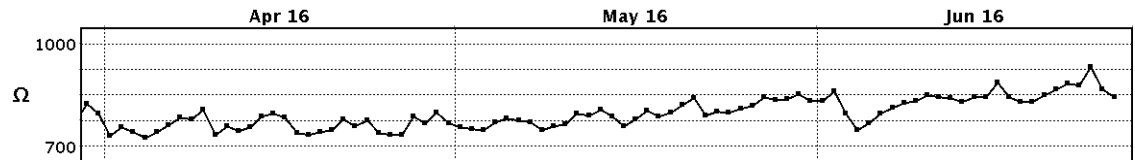


Trends (Continued)

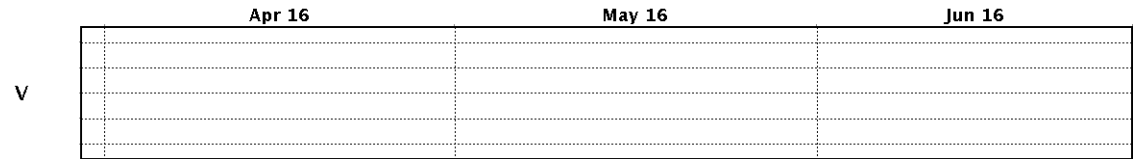
P-Wave Amplitude



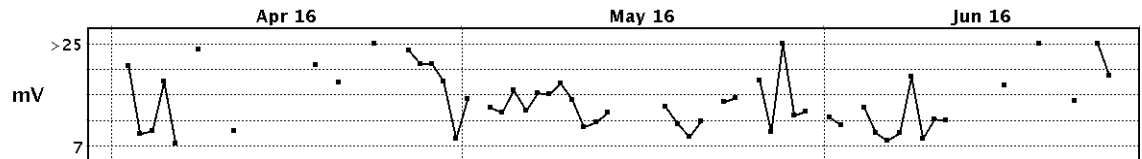
A Pace Impedance



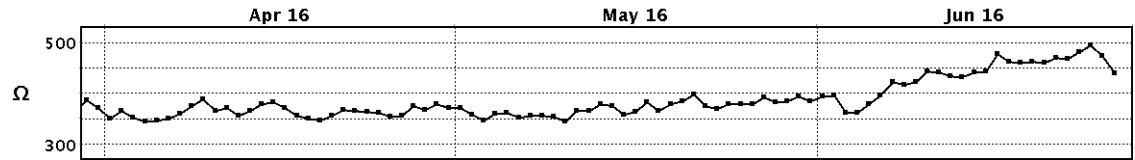
A Pace Threshold



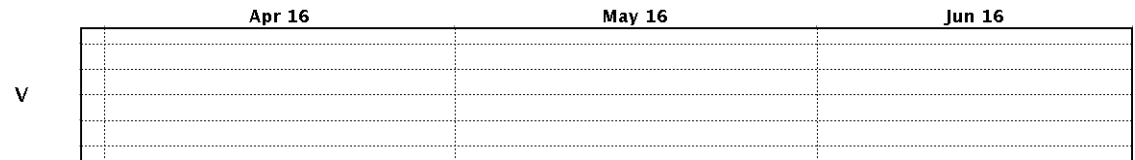
R-Wave (RV) Amplitude



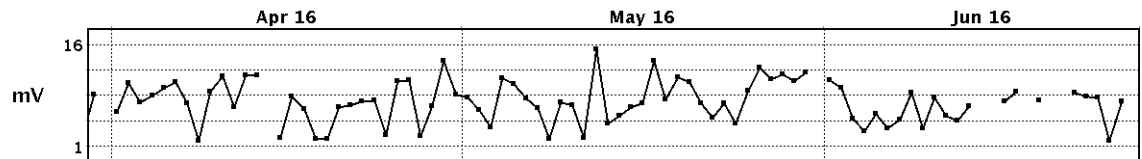
RV Pace Impedance



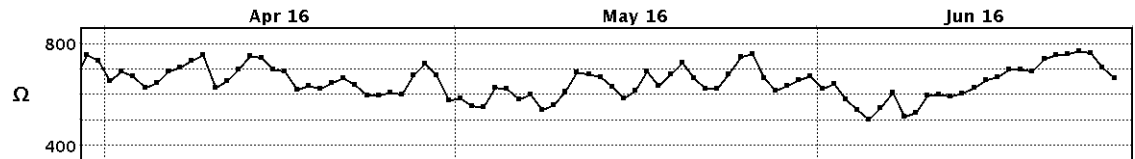
RV Pace Threshold



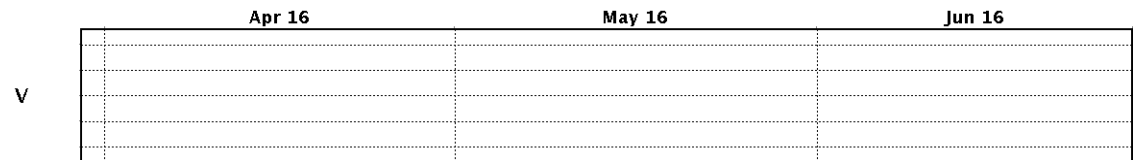
R-Wave (LV) Amplitude



LV Pace Impedance

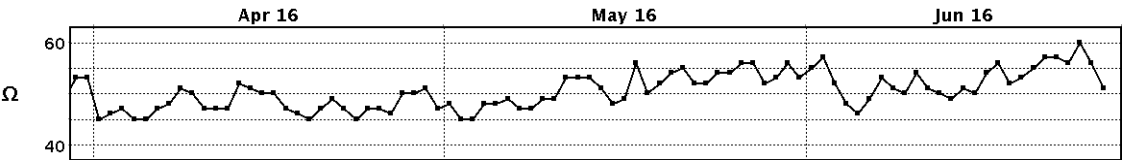


LV Pace Threshold



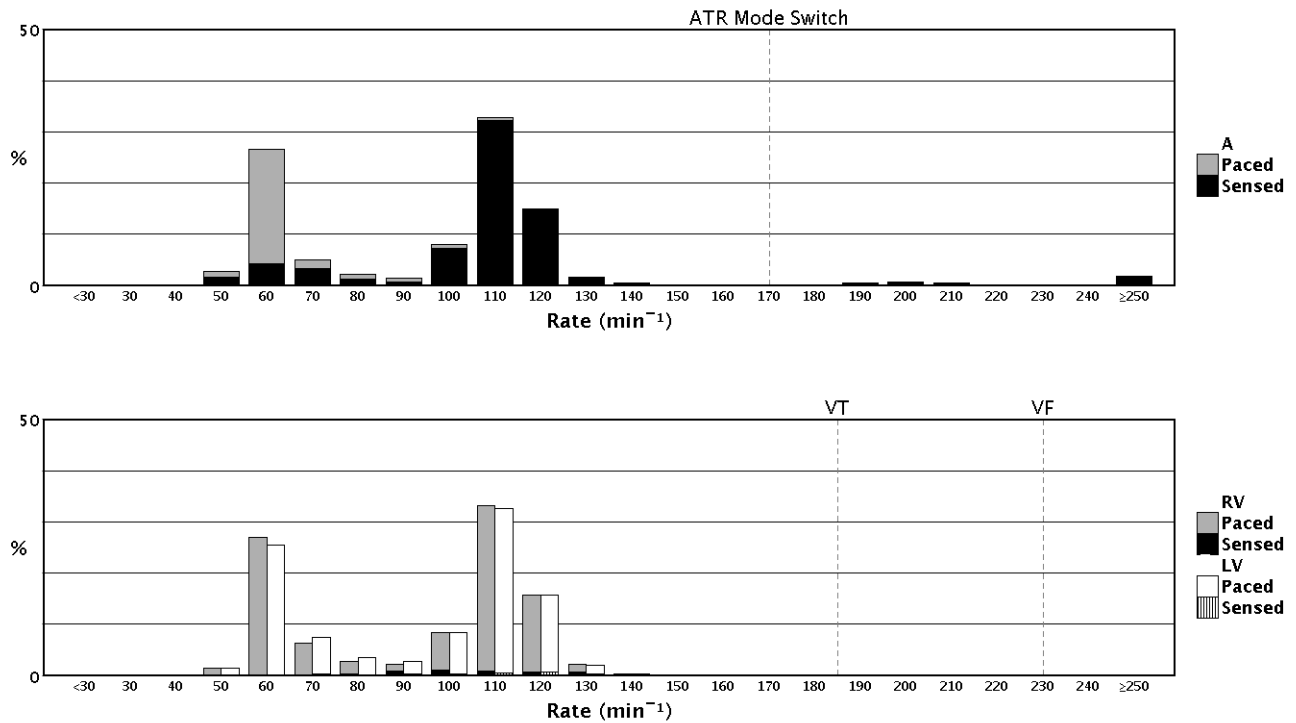
Trends (Continued)

Shock Impedance

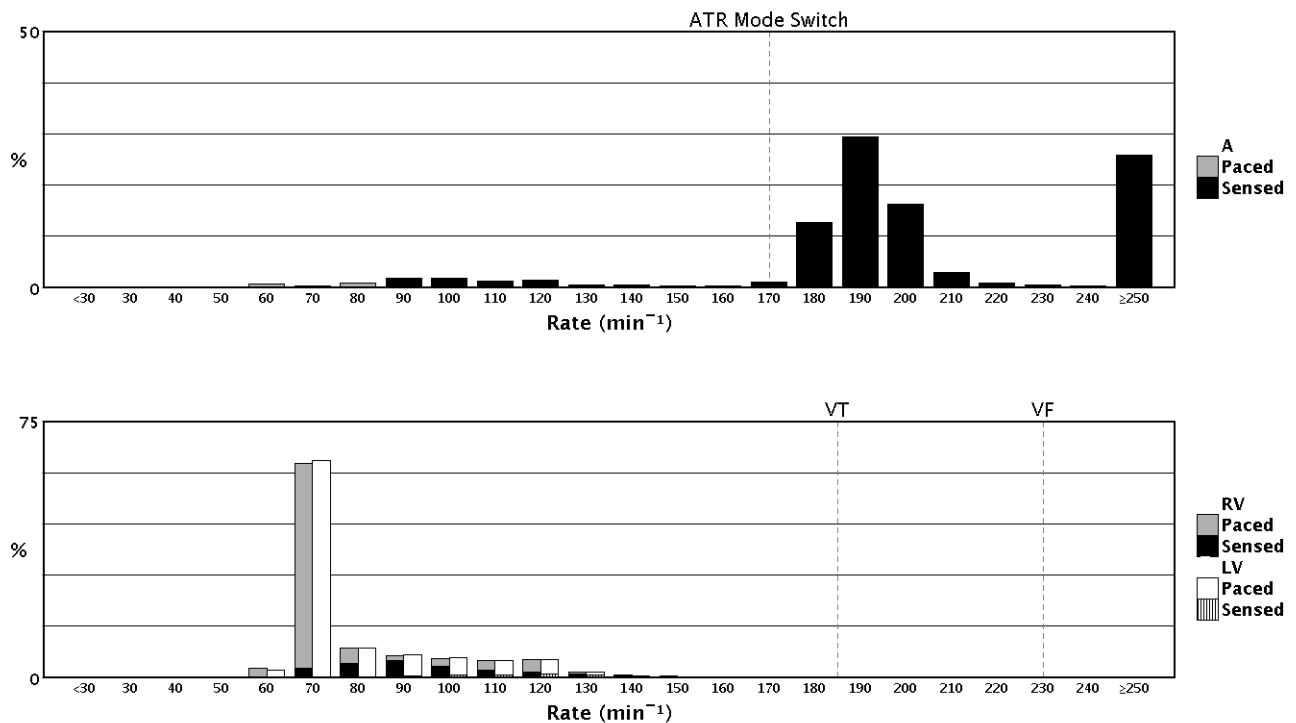


Ventricular Tachy Counters		Since Last Reset	Device Totals
		02 Jun 2016	
Ventricular Episode Counters			
Total Episodes		2	6
Treated			
VF Therapy		0	0
VT Therapy		0	0
VT-1 Therapy		0	0
Commanded Therapy		0	0
Non-Treated			
No Therapy Programmed		0	0
Nonsustained Episodes		0	3
Other Untreated Episodes		2	3
Ventricular Therapy Counters			
ATP Delivered		0	0
ATP % Successful		0	0
Shocks Delivered		0	0
First Shock % Successful		0	0
Shocks Diverted		1	1
Brady/CRT Counters		Reset Before Last	Since Last Reset
		05 May 2016	02 Jun 2016
Counters			
% A Paced		28	2
% RV Paced		94	78
% LV Paced		97	95
Intrinsic Promotion			
Rate Hysteresis			
% Successful		0	0
Atrial Burden			
Atrial Burden %		2	90
Episodes by Duration			
< 1 minute		1	8
1 min - < 1 hr		1	3
1 hr - < 24 hr		3	2
24 hr - < 48 hr		0	0
> 48 hr		0	2
Total PACs		47.9K	10.5K
Ventricular Counters			
Total PVCs		9.4K	5.5K
Three or More PVCs		2	0
Clinical Counters		Since Last Reset	Device Totals
		02 Jun 2016	
MRI Counters		0	0

Histograms Reset Before Last (05 May 2016)



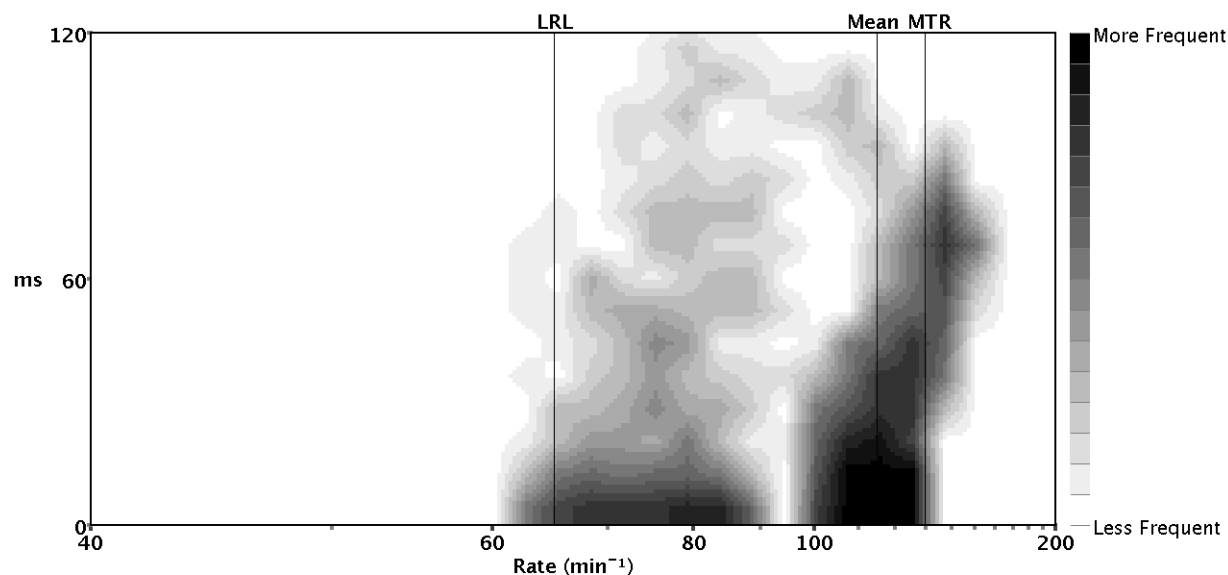
Histograms Since Last Reset (02 Jun 2016)



Heart Rate Variability

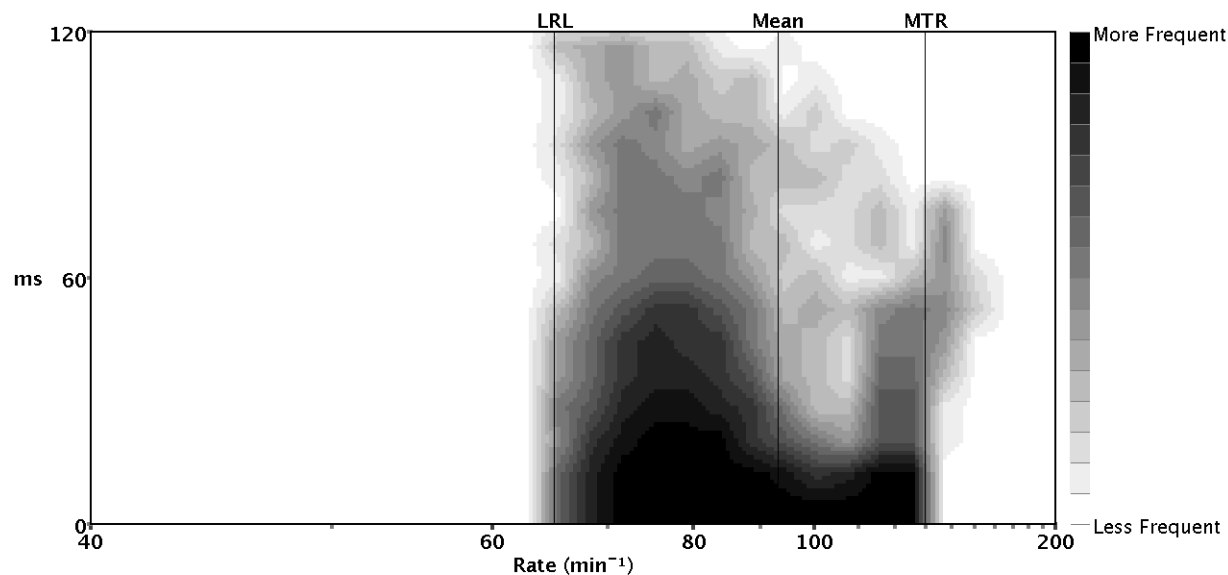
Last Measure for 24-hour period ending 28 May 2016 14:09

% of Time Used	70	Mode	DDD
Footprint	18 %	Sensed AV Delay	165 - 190 ms
SDANN	43 ms	Ventricular Pacing Chamber	BiV
		LV Offset	-60 ms



Reference-measured for 24-hour period ending 13 Oct 2015 14:05

% of Time Used	91	Mode	DDD
Footprint	35 %	Sensed AV Delay	160 - 180 ms
SDANN	118 ms	Ventricular Pacing Chamber	BiV
		LV Offset	0 ms



All Events Since Last Reset (02 Jun 2016)

27 Jun 2016 11:23	ATR at 194 min ⁻¹ , Avg V Rate in ATR: 0 min ⁻¹
27 Jun 2016 11:23	ATR at 192 min ⁻¹ , Avg V Rate in ATR: 95 min ⁻¹
27 Jun 2016 11:22	ATR at 194 min ⁻¹ , Avg V Rate in ATR: 95 min ⁻¹
27 Jun 2016 10:07	ATR at 197 min ⁻¹ , Avg V Rate in ATR: 76 min ⁻¹
27 Jun 2016 09:13	ATR at 194 min ⁻¹ , Avg V Rate in ATR: 79 min ⁻¹
27 Jun 2016 09:13	ATR at 192 min ⁻¹ , Avg V Rate in ATR: 95 min ⁻¹
24 Jun 2016 08:54	ATR at 194 min ⁻¹ , Avg V Rate in ATR: 72 min ⁻¹
24 Jun 2016 07:38	ATR at 188 min ⁻¹ , Avg V Rate in ATR: 85 min ⁻¹
24 Jun 2016 07:35	ATR at 186 min ⁻¹ , Avg V Rate in ATR: 93 min ⁻¹
23 Jun 2016 08:27	ATR at 204 min ⁻¹ , Avg V Rate in ATR: 72 min ⁻¹
23 Jun 2016 08:26	ATR at 202 min ⁻¹ , Avg V Rate in ATR: 100 min ⁻¹
23 Jun 2016 08:22	ATR at 190 min ⁻¹ , Avg V Rate in ATR: 87 min ⁻¹
23 Jun 2016 08:22	ATR at 189 min ⁻¹ , Avg V Rate in ATR: 93 min ⁻¹
23 Jun 2016 08:21	ATR at 189 min ⁻¹ , Avg V Rate in ATR: 94 min ⁻¹
05 Jun 2016 18:56	PMT at 130 min ⁻¹
05 Jun 2016 18:51	PMT at 130 min ⁻¹
05 Jun 2016 18:48	PMT at 130 min ⁻¹
05 Jun 2016 18:45	PMT at 130 min ⁻¹
05 Jun 2016 18:45	PMT at 130 min ⁻¹
04 Jun 2016 19:32	VF at 268 min ⁻¹ , No Therapy
04 Jun 2016 19:21	VF at 262 min ⁻¹ , No Therapy