

Monitoring

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pat_500002

Status on Dec 19, 2009, DOB Apr 30, 1948

Patients (14/26)

Status on Dec 19, 2009 12:55 AM
Lumax 540 DR-T / SN:0
 Implantation: Sep 14, 2009

 Status | Device settings | Recordings | History | Patient profile | Options

Save/print (PDF)

Summary | Device | Leads | Bradycardia/CRT | Atrial arrhythmia | Ven. arrhythmia | Physiologic. param. | HF Monitor

 Ven. arrhythmia **VF detected**
 1 VF detected between Dec 18, 2009 12:55:36 AM and
 Dec 19, 2009 12:55:36 AM New. Acknowledge

 Recordings / Episode **Episode details received**
 Episode details were received for a spontaneous VF
 episode, which was detected on Dec 18, 2009 6:56:25
 PM New. Acknowledge

Automatic remark none

Show timeline

Status comment:

Add comment

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Status Device settings Recordings History Patient profile Options

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Summary Device Leads Bradycardia/CRT Atrial arrhythmia Ven. arrhythmia Physiologic. param. HF Monitor

Last device message created on Dec 19, 2009 12:55 AM

Battery

Status	BOL
Voltage [V]	3.10
Date of last battery voltage measurement	Dec 18, 2009

Device

Device status	OK
Device model	Lumax 540 DR-T
Date of implantation	Sep 10, 2009

Last entry of shock list

Time	Dec 18, 2009 6:58:27 PM
Charge time [s]	1.5
Energy [J]	40
Impedance [ohm]	---
Remark	Termination without shock

Home Monitoring

Message type	time triggered
Device message created on	Dec 19, 2009 12:55:36 AM
End of last monitoring interval	Dec 19, 2009 12:55:36 AM

Transmitter

Transmitter SN	48100361
Last transmission received on	Dec 19, 2009 1:46:16 AM

Time scale 1 month

Battery status

Battery status



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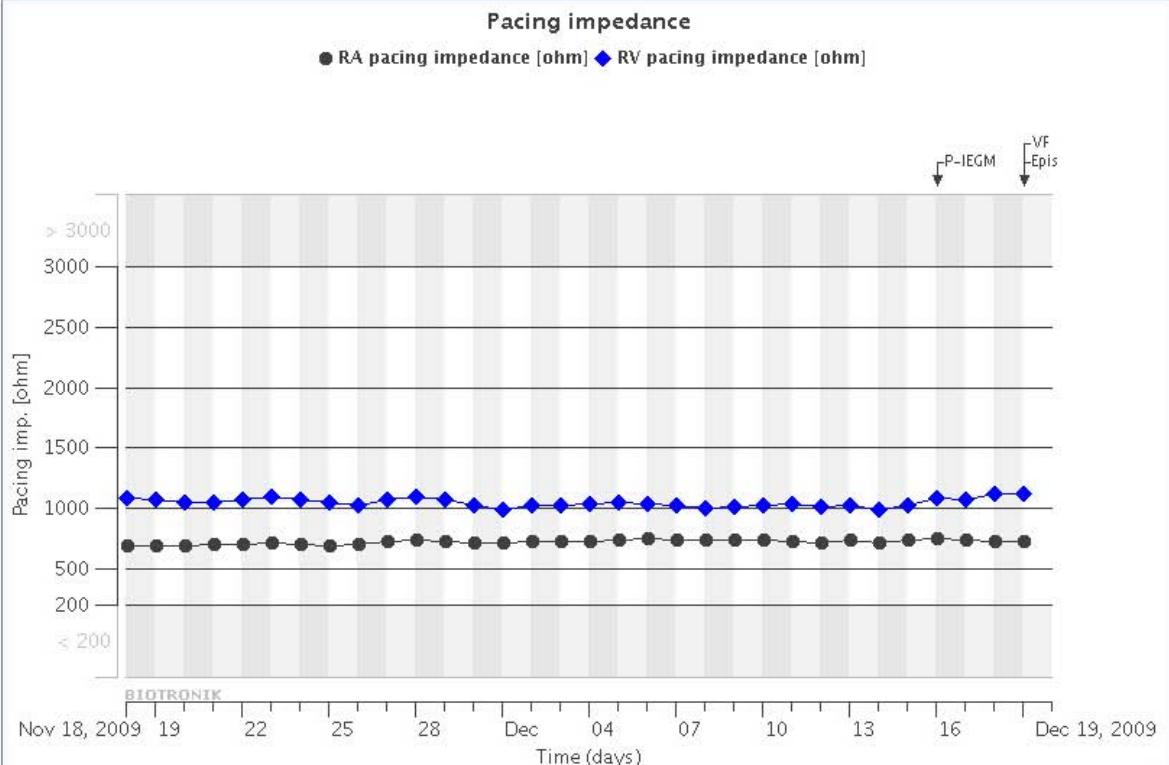
Summary | Device | Leads | Bradycardia/CRT | Atrial arrhythmia | Ven. arrhythmia | Physiologic. param. | HF Monitor

Last device message created on Dec 19, 2009 12:55 AM

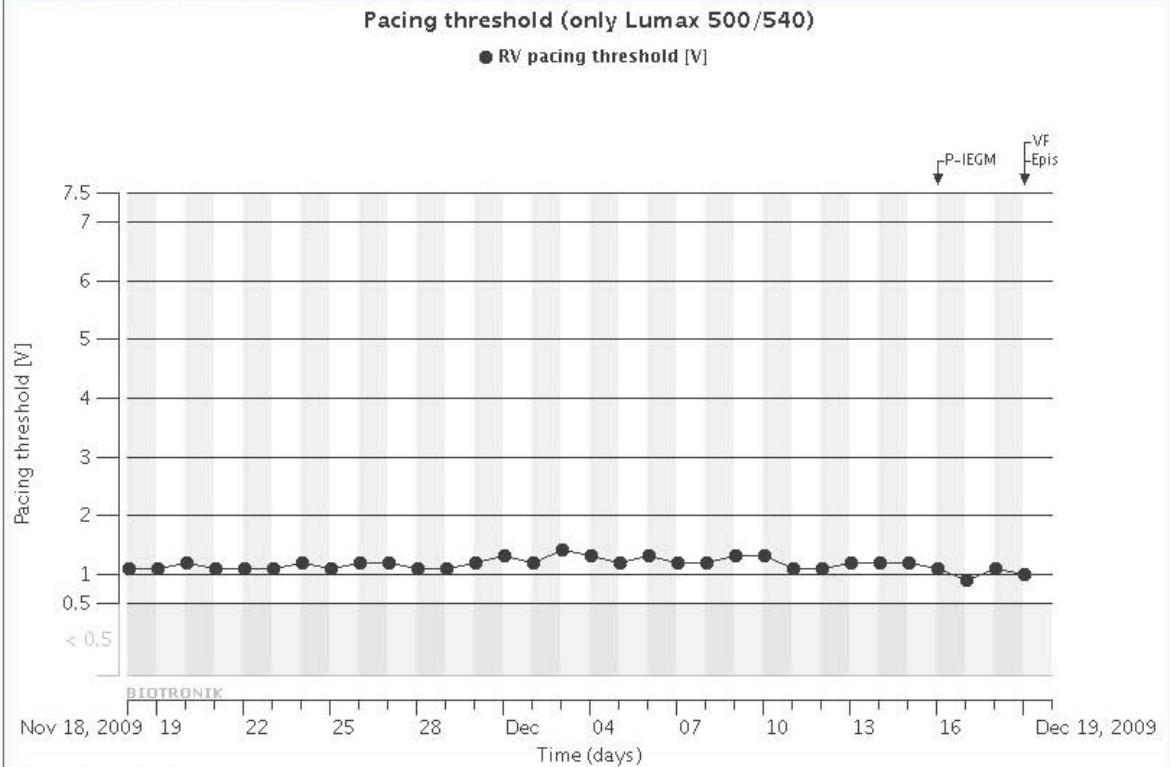
RA lead	24 h	Since Nov 1, 2009 12:55:36 AM Mean values, ** Min values
Pacing impedance [ohm]	728	695
Sensing amplitude (daily mean) [mV]	2.2	2.1
Sensing amplitude (daily min.) [mV]	1.8	1.0**
Sensing	STANDARD	
RV lead		
Pacing impedance [ohm]	1122	1052
Pacing threshold [V]	1.0	1.1
Sensing amplitude (daily mean) [mV]	9.0	9.3
Sensing amplitude (daily min.) [mV]	7.3	3.8**
Sensing	ENHANCED VF SENSITIVITY	
Shock lead		
Daily shock lead impedance [ohm]	50	47
Latest available impedance of a delivered shock [ohm]	---	measured on ---

Time scale 1 month

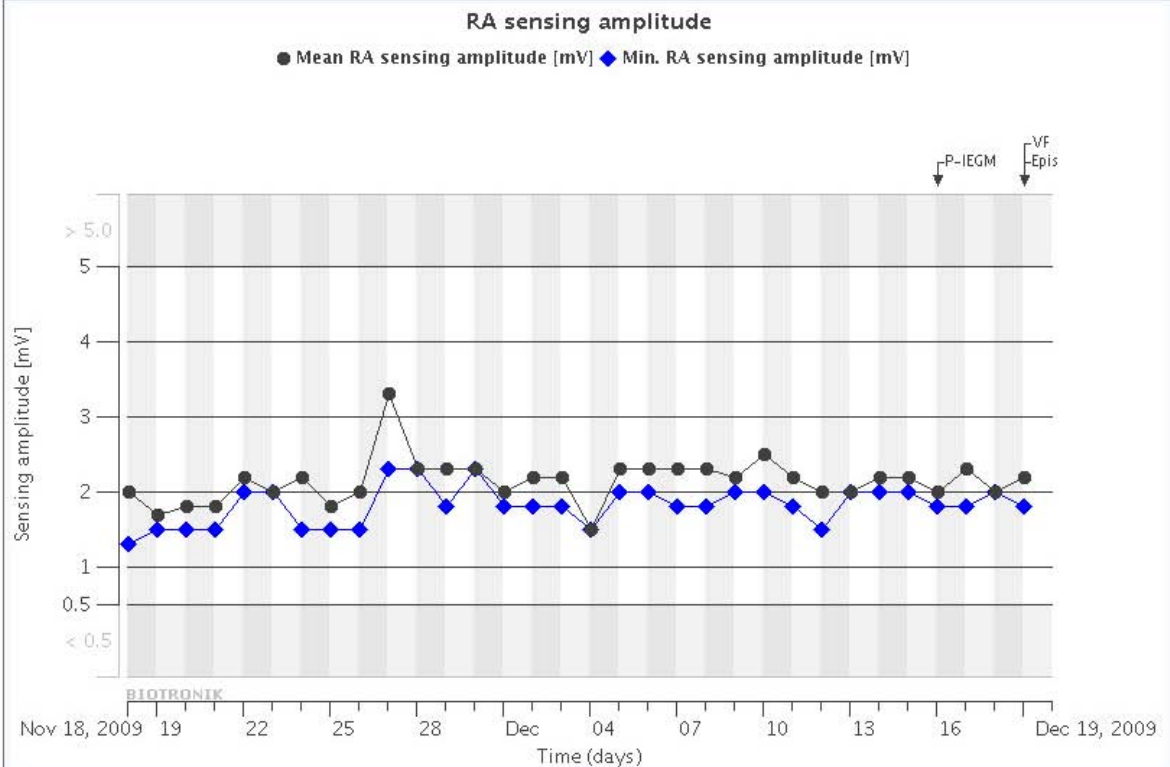
Pacing impedance



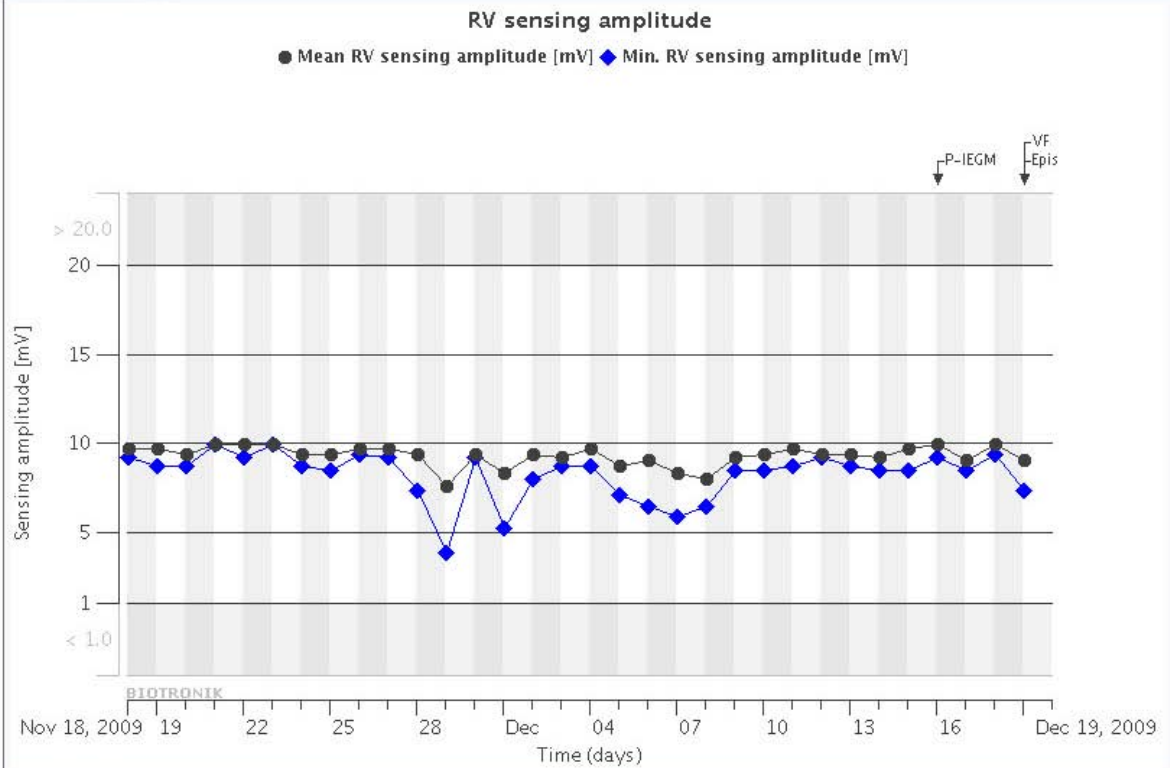
Pacing threshold (only Lumax 500/540)



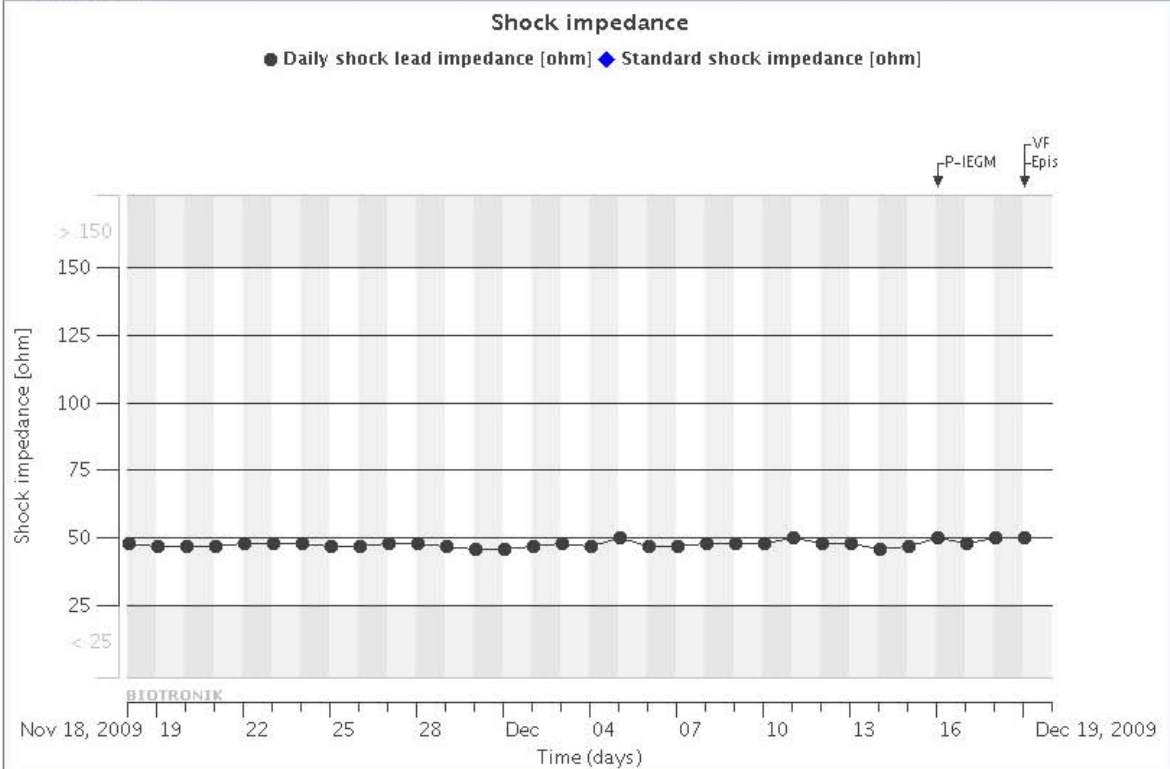
RA sensing amplitude



RV sensing amplitude



Shock impedance



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Status on Dec 19, 2009 12:55 AM

Lumax 540 DR-T / SN:0
 Implantation: Sep 14, 2009

Status | Device settings | Recordings | History | Patient profile | Options

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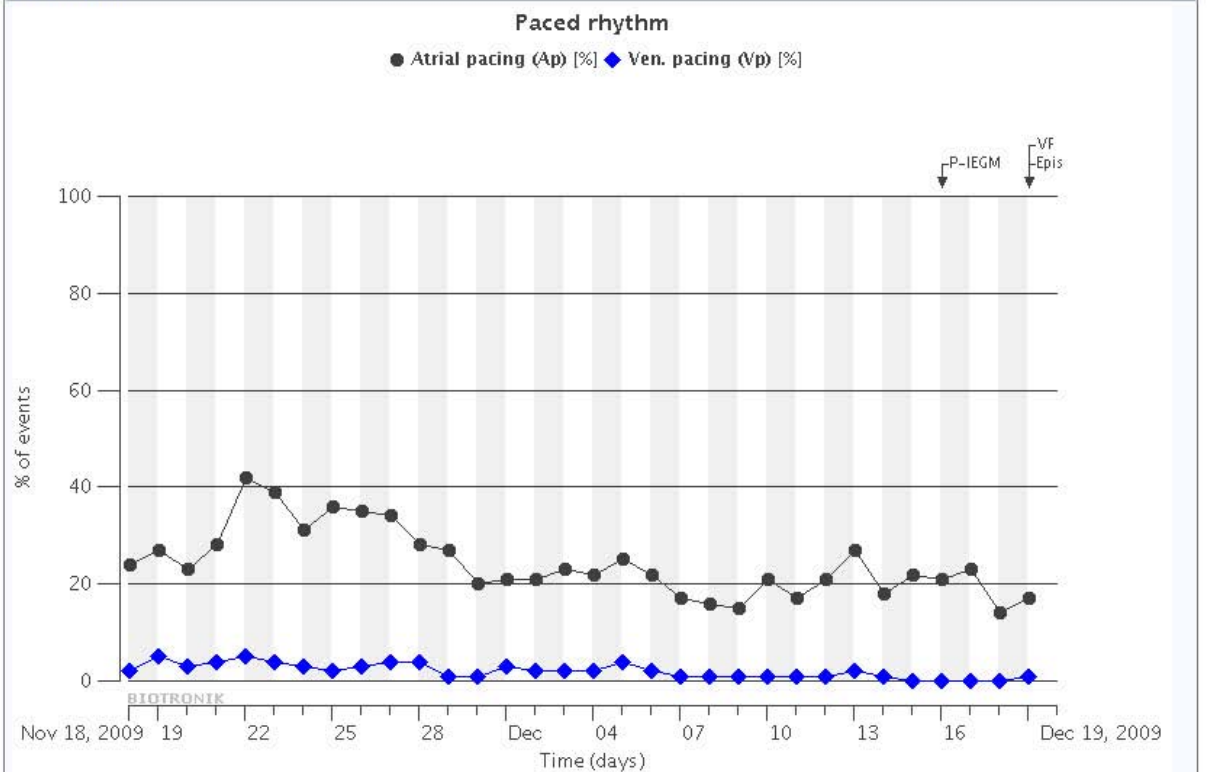
Summary | Device | Leads | Bradycardia/CRT | Atrial arrhythmia | Ven. arrhythmia | Physiologic. param. | HF Monitor

Last device message created on Dec 19, 2009 12:55 AM

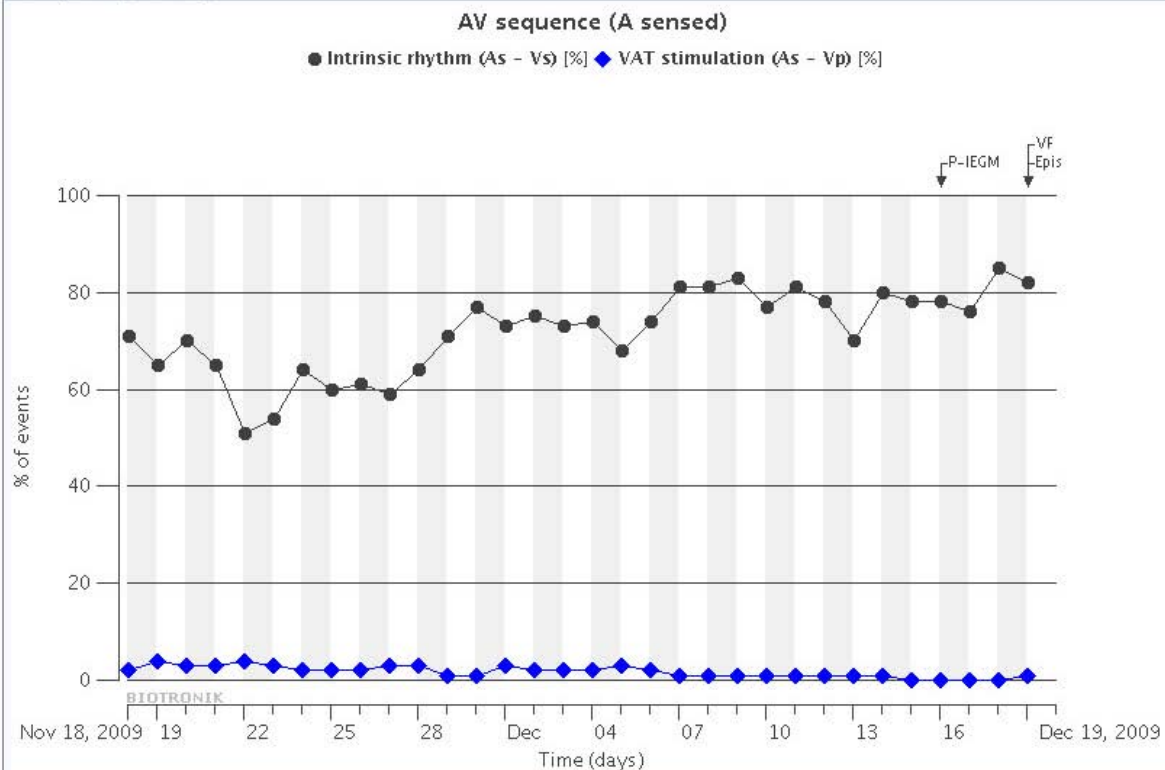
Paced rhythm		24 h	Since Nov 1, 2009 12:55:36 AM Mean values
Atrial pacing (Ap) [%]		17	27
Ven. pacing (Vp) [%]		1	2
AV sequences (except during mode switching)			
Intrinsic rhythm (As - Vs) [%]		82	70
VAT stimulation (As - Vp) [%]		1	1
Conducted atrial pacing (Ap - Vs) [%]		16	26
Dual-chamber pacing (Ap - Vp) [%]		0	0
VV sequence (Vx - Vx) [%]		1	2

Time scale 1 month

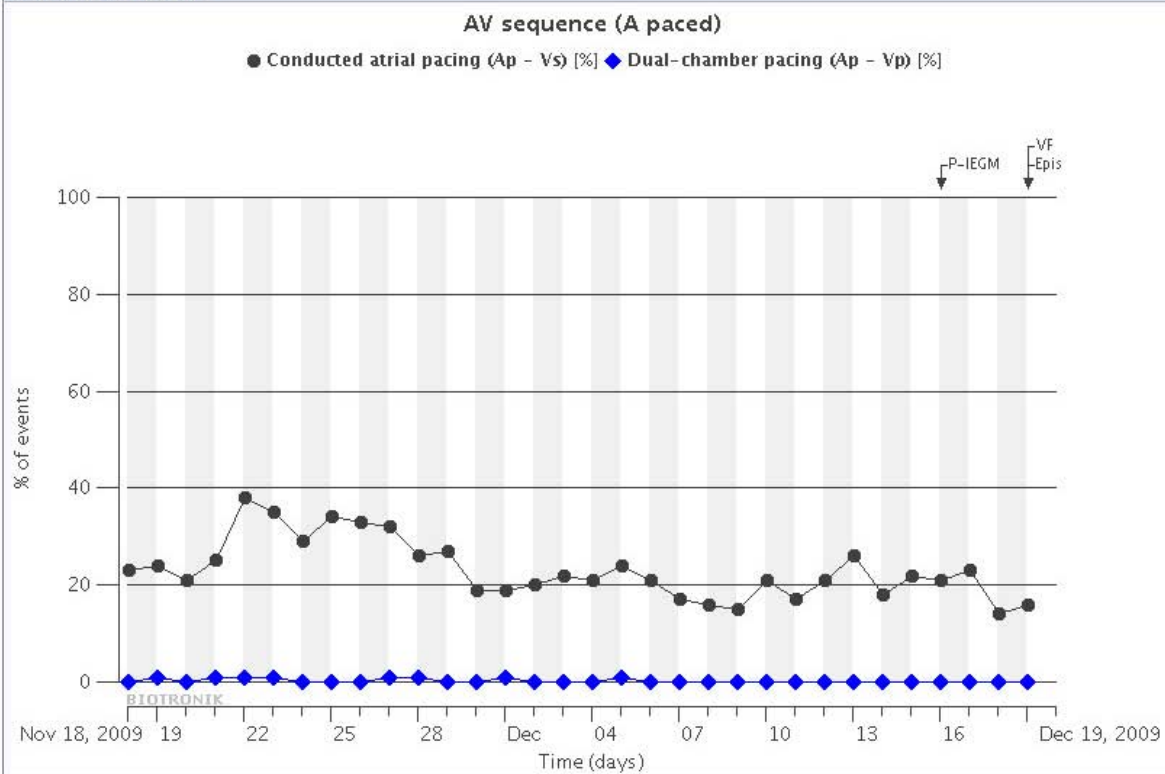
Paced rhythm

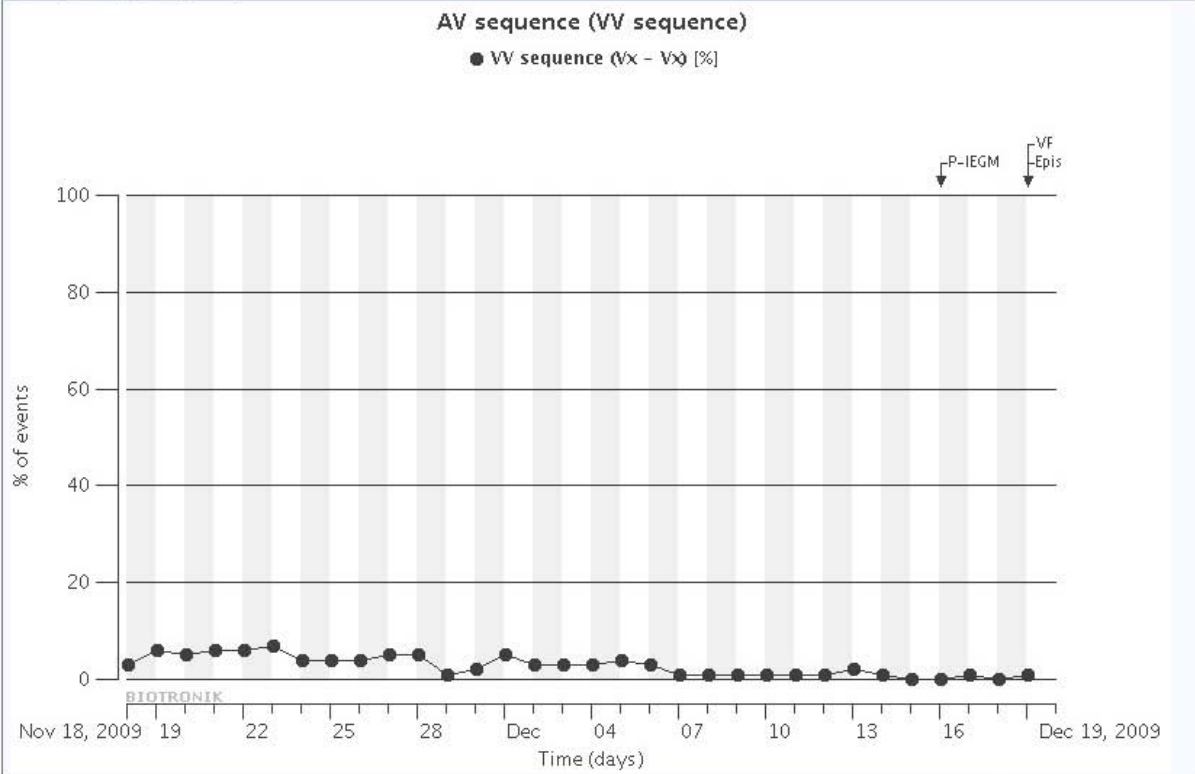


AV sequence (A sensed)



AV sequence (A paced)





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Lumax 540 DR-T / SN:0
Implantation: Sep 14, 2009

Status Device settings Recordings History Patient profile Options

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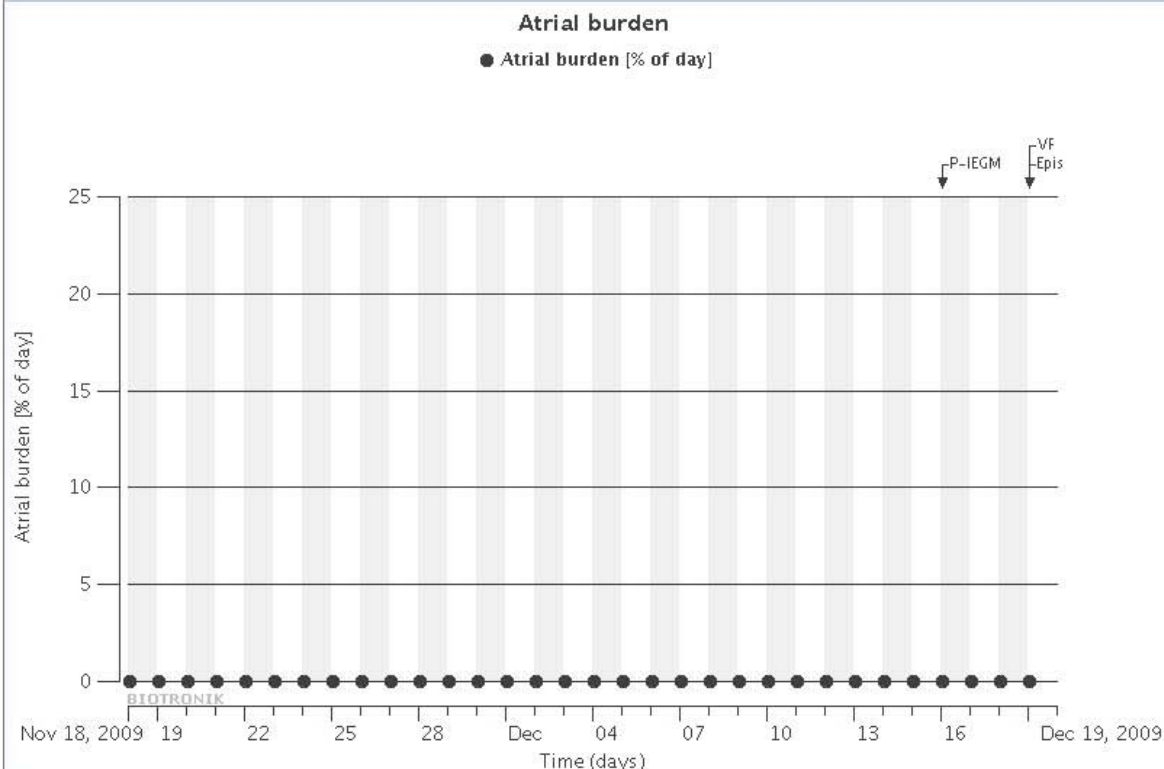
Summary Device Leads Bradycardia/CRT Atrial arrhythmia Ven. arrhythmia Physiologic. param. HF Monitor

Last device message created on Dec 19, 2009 12:55 AM

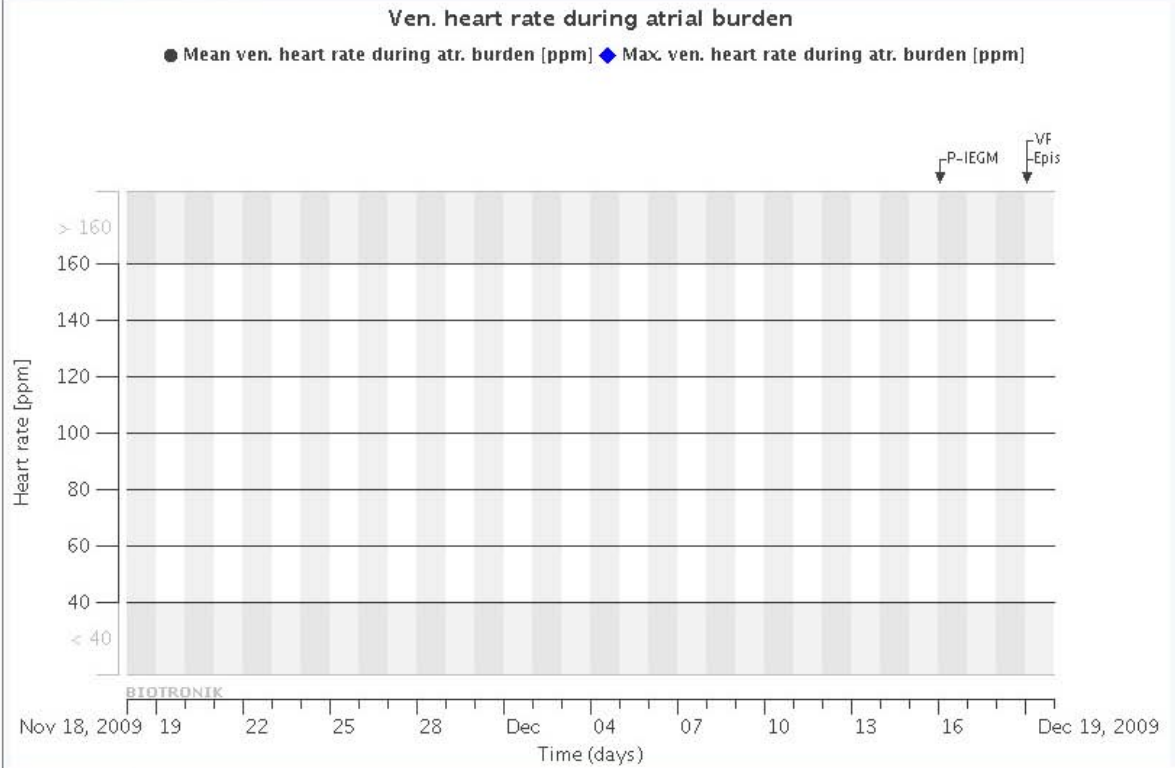
Atrial burden	24 h	Since Nov 1, 2009 12:55:36 AM
Atrial burden [% of day]	0	0
Atrial arrhythmia ongoing at end of MI	NO	
Mean ven. heart rate during atr. burden [ppm]	---	---
Max. ven. heart rate during atr. burden [ppm]	---	---
Number of mode switching per day	0	0
Atrial monitoring episodes	Since Nov 1, 2009 12:55:36 AM	Since implantation
Atrial monitoring episodes	0	0
Long ongoing atrial episode detected	NO	
SVT		
SVT episodes (total)	0	0
SVT episodes (SMART only)	0	0
SMART episode details		
Atrial fibrillation	0	0
Atrial flutter	0	0
Sinus tachycardia	0	0
1:1 (atr.: ven.)	0	0
Last episode		
No.	4	
Type	VF	
Detection	Dec 18, 2009 6:56:25 PM	

Time scale 1 month

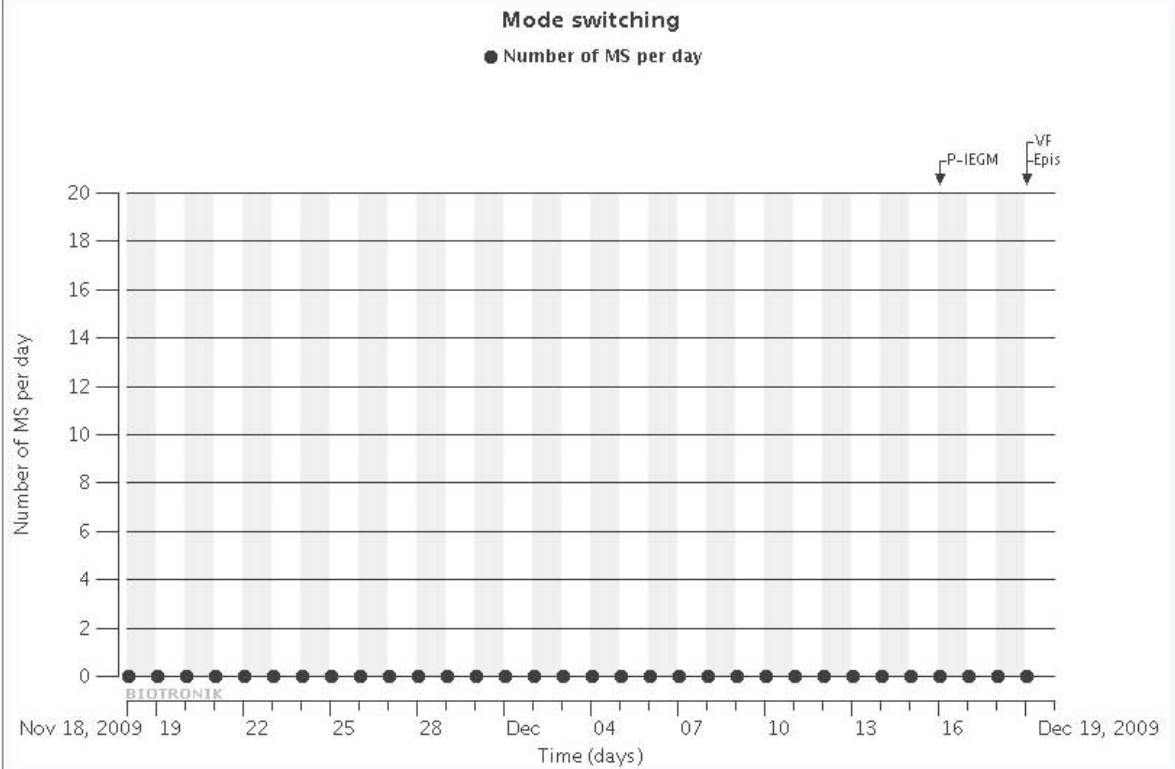
Atrial burden



Ven. heart rate during atrial burden



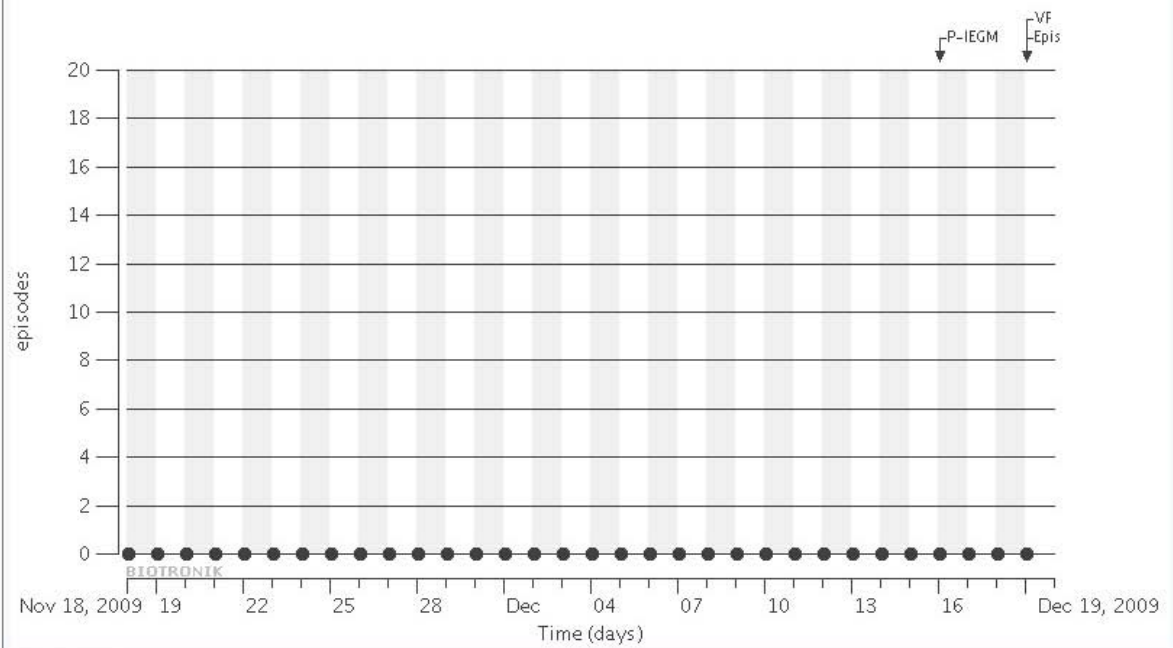
Mode switching



Atrial monitoring episodes

Atrial monitoring episodes

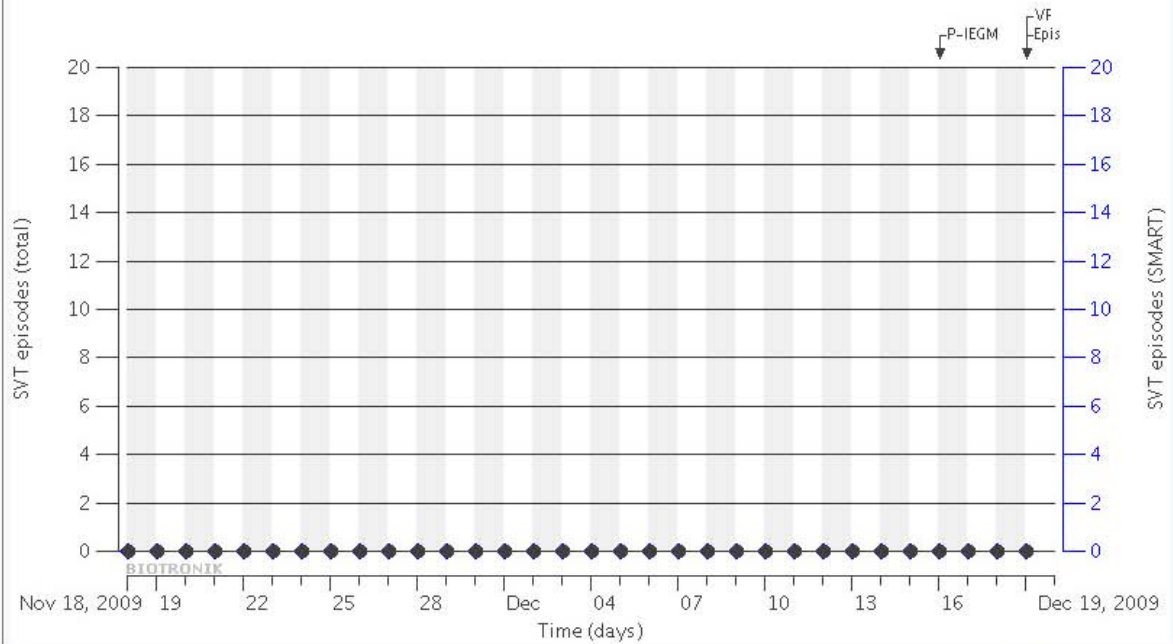
● Atrial monitoring episodes



SVT episodes

SVT episodes

● SVT episodes (total) ◆ SVT episodes (SMART)



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Patients (14/26)

Status on Dec 19, 2009 12:55 AM

Lumax 540 DR-T / SN:0
Implantation: Sep 14, 2009

Status Device settings Recordings History Patient profile Options

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Summary Device Leads Bradycardia/CRT Atrial arrhythmia Ven. arrhythmia Physiologic. param. HF Monitor

Last device message created on Dec 19, 2009 12:55 AM

VF detected
1 VF detected between Dec 18, 2009 12:55:36 AM and Dec 19, 2009 12:55:36 AM

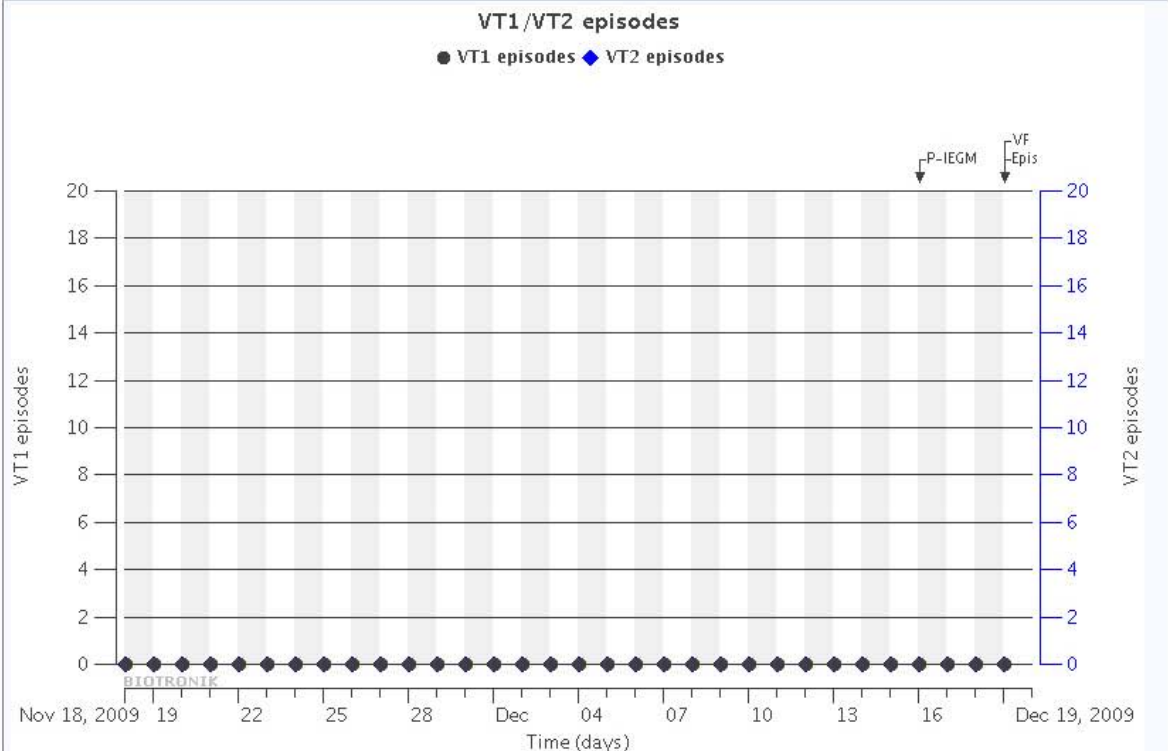
New.

Acknowledge

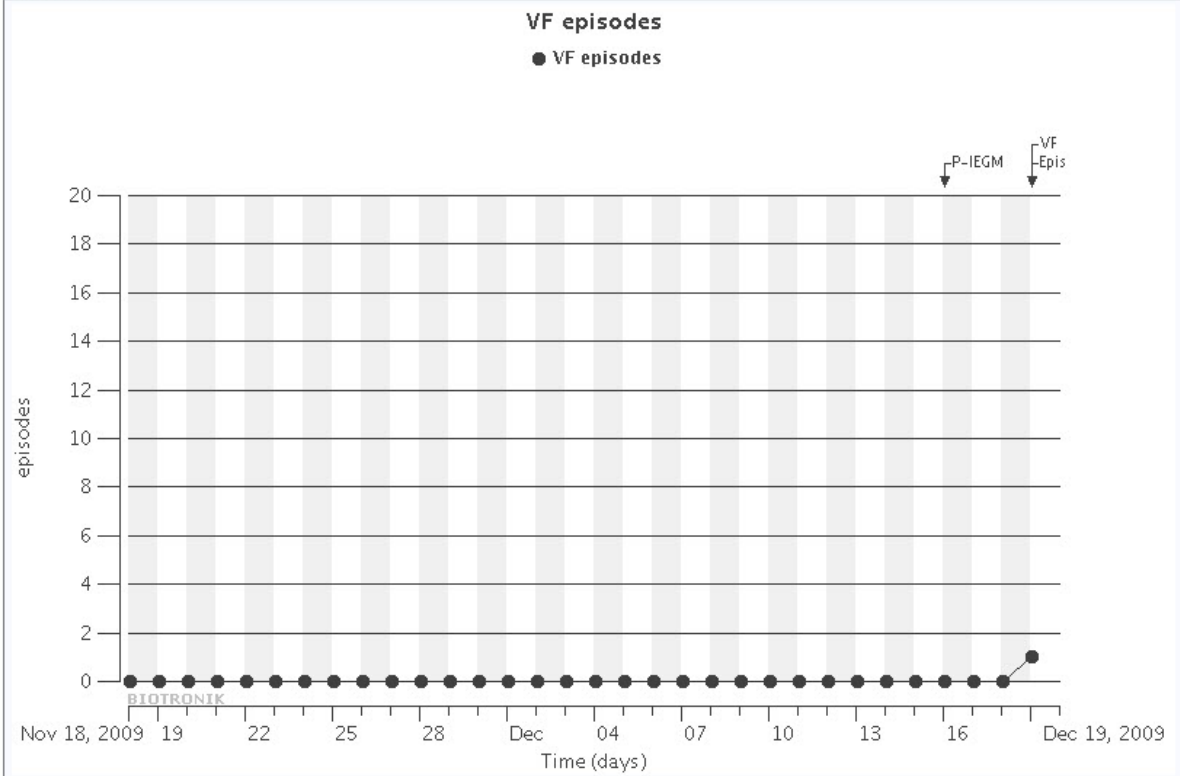
Ven. detection		Since Nov 1, 2009 12:55:36 AM	Since implantation
VT1 episodes		0	0
VT2 episodes		0	0
VF episodes		1	1
Episodes during DTM		0	1
SVT episodes (total)		0	0
Ven. ATP			
ATP in VT zones started		0	0
ATP in VT zones successful		0	0
ATP One Shot started		0	0
ATP One Shot successful		0	0
Ven. shocks			
Shocks started		1	1
Shocks aborted		1	1
Shocks successful		0	0
Ineffective ven. max. energy shocks		0	0
PVC		24 h	Since Nov 1, 2009 12:55:36 AM Mean values
Mean PVC/h		42	> 110
Last episode			
No.		4	
Type		VF	
Detection		Dec 18, 2009 6:56:25 PM	

Time scale 1 month

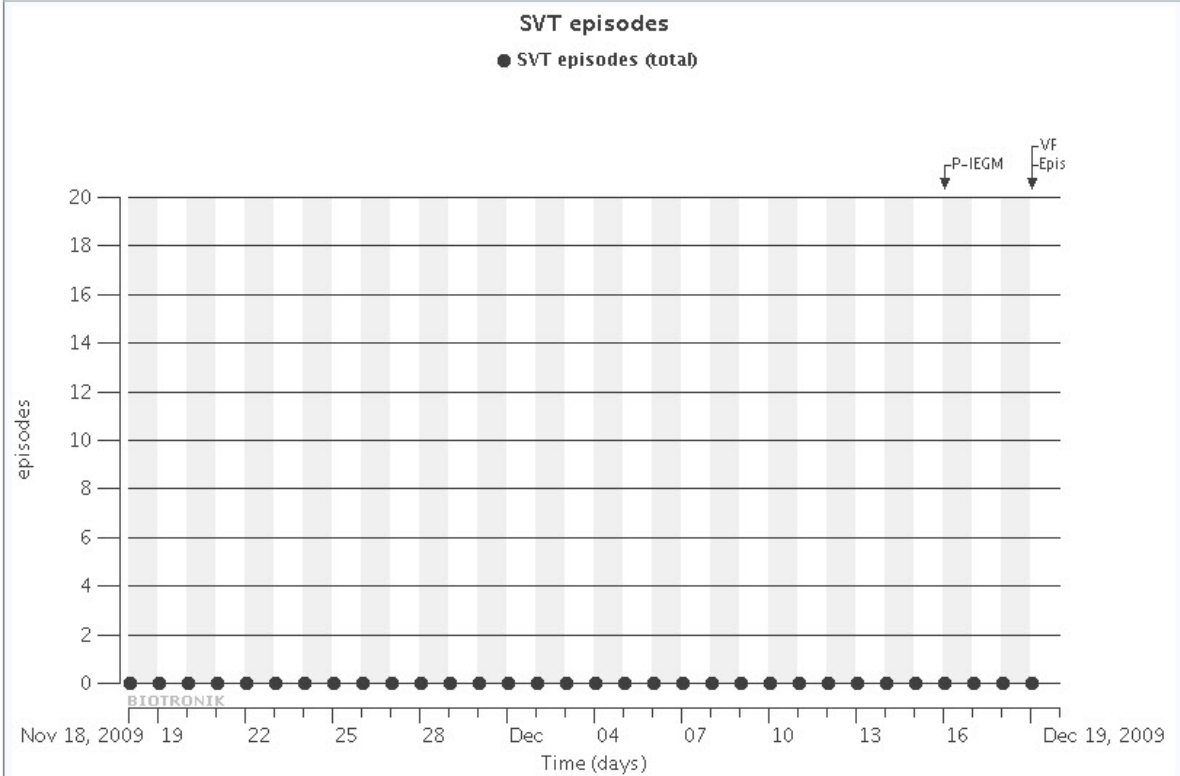
VT1/VT2 episodes



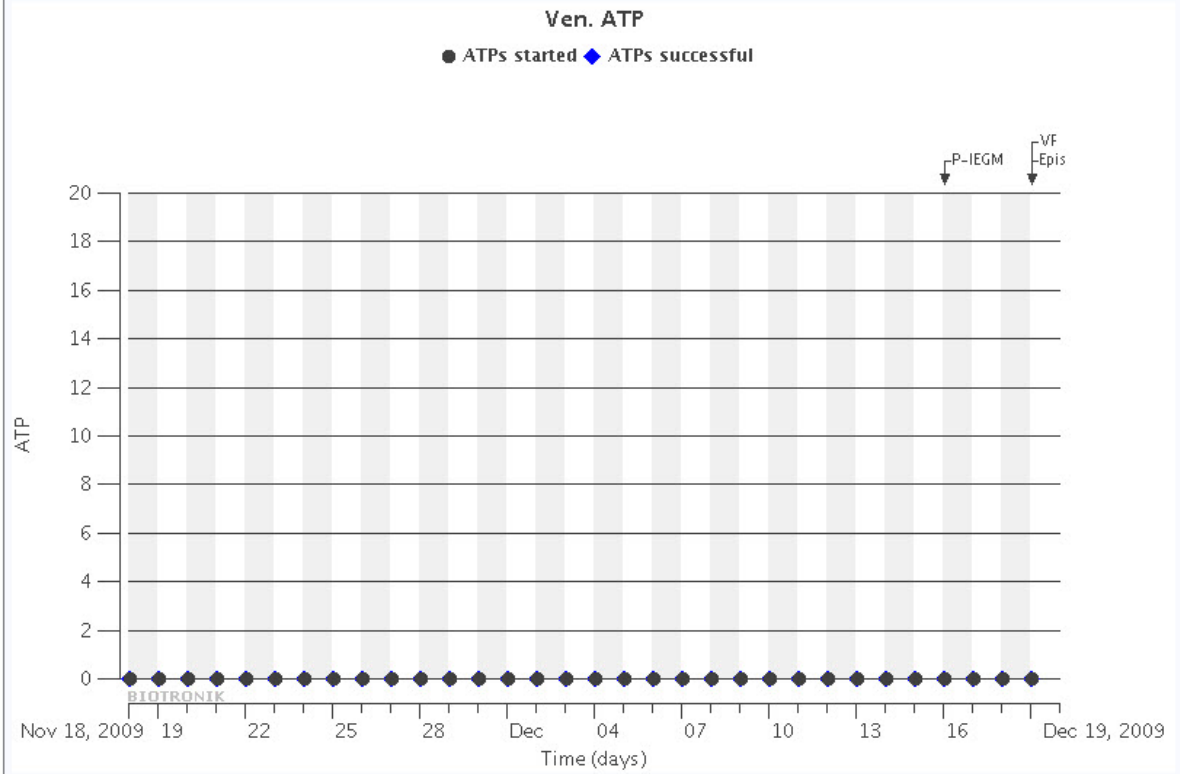
VF episodes



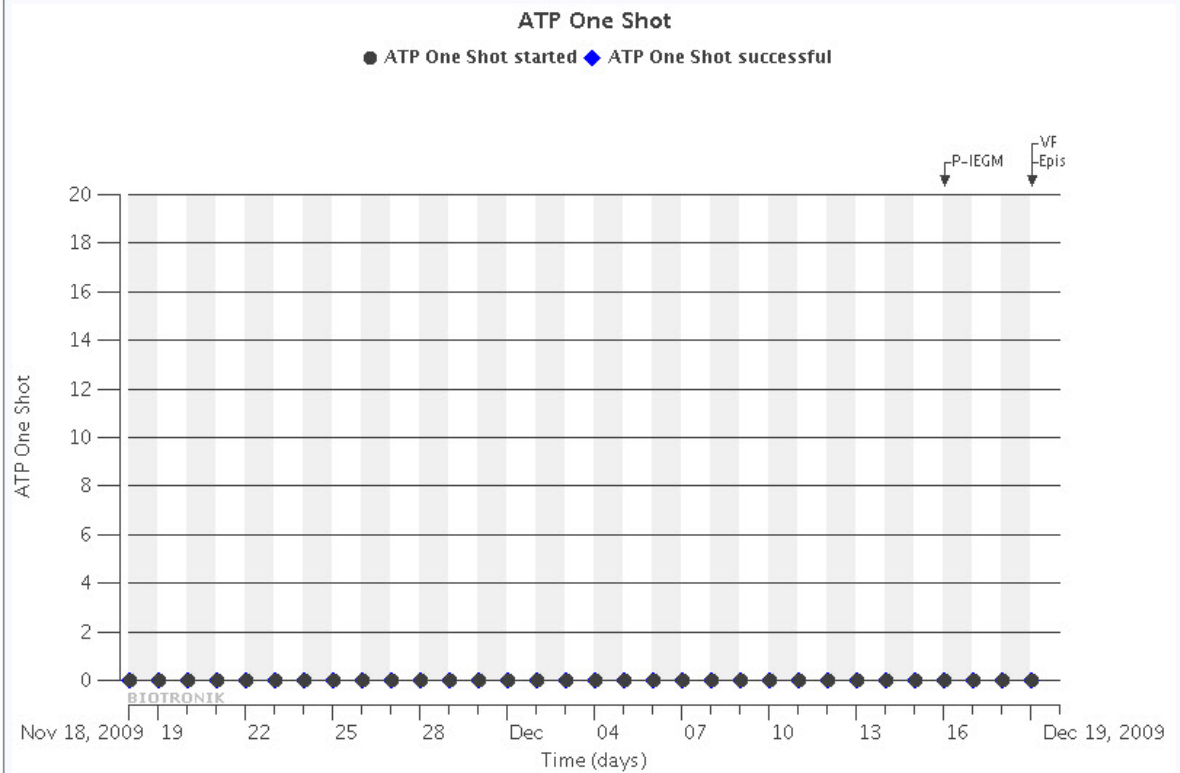
SVT episodes



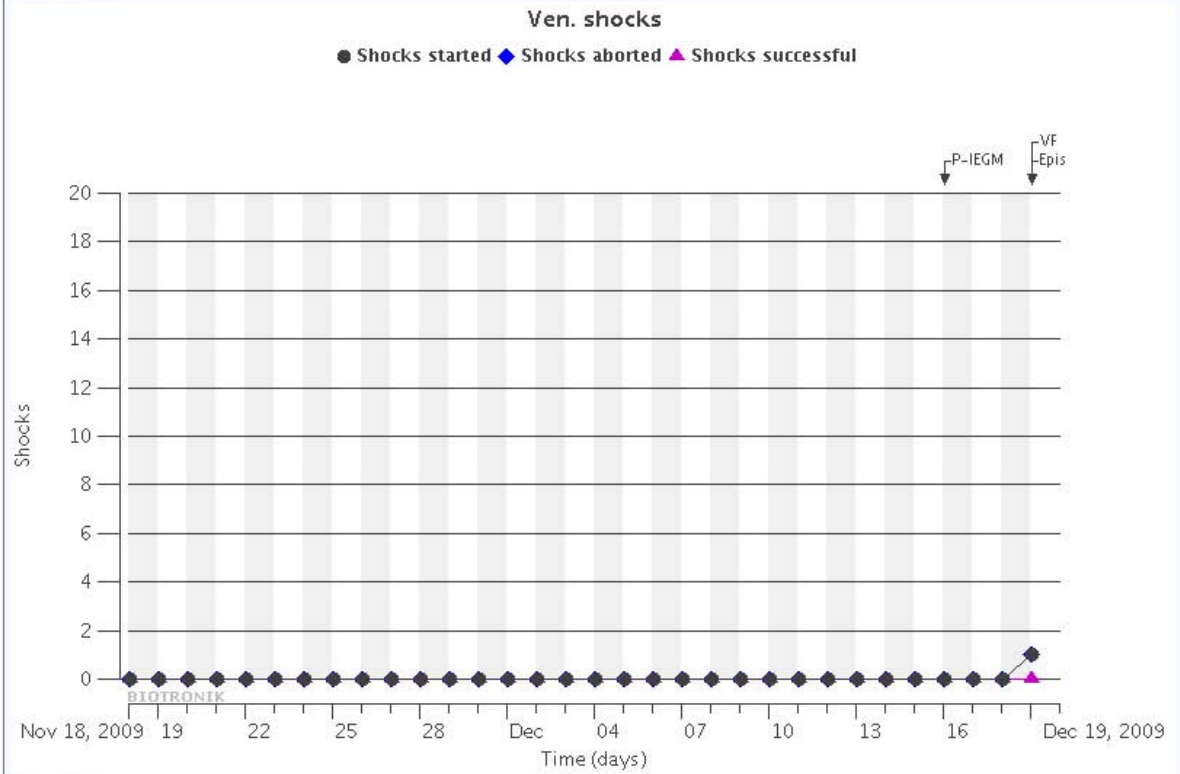
Ven. ATP



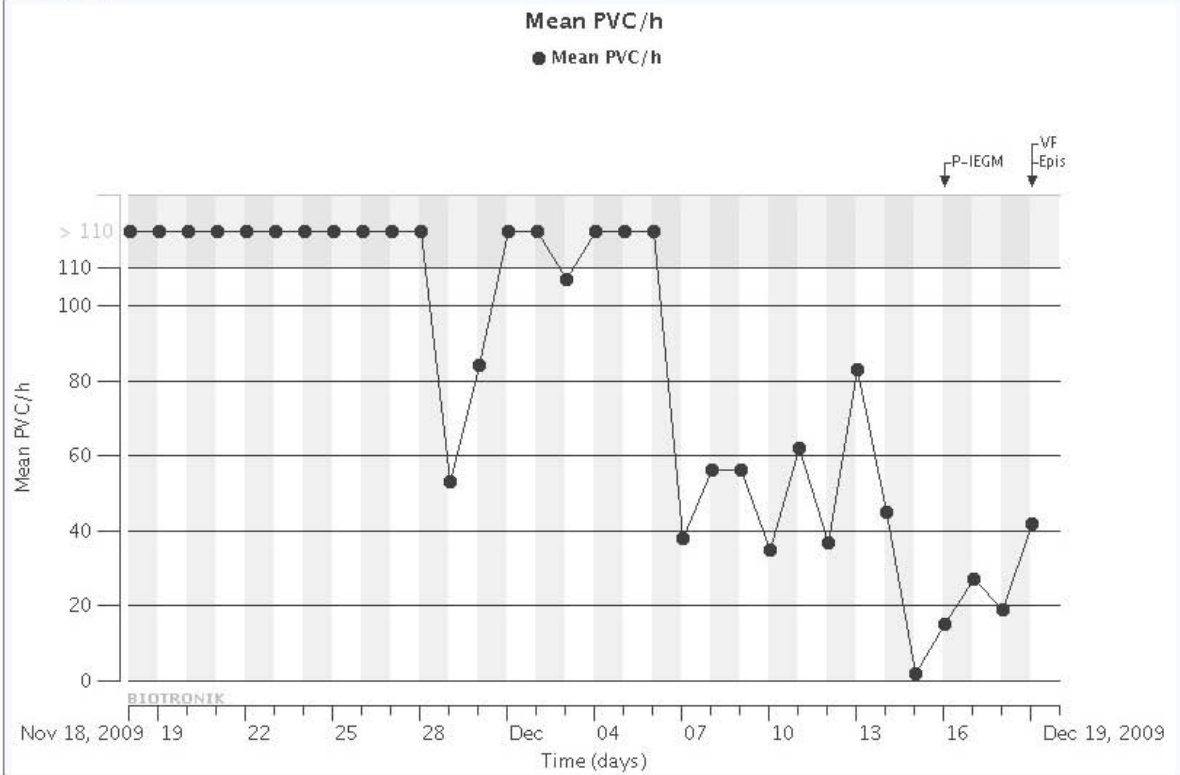
ATP One Shot



Ven. shocks



Mean PVC/h



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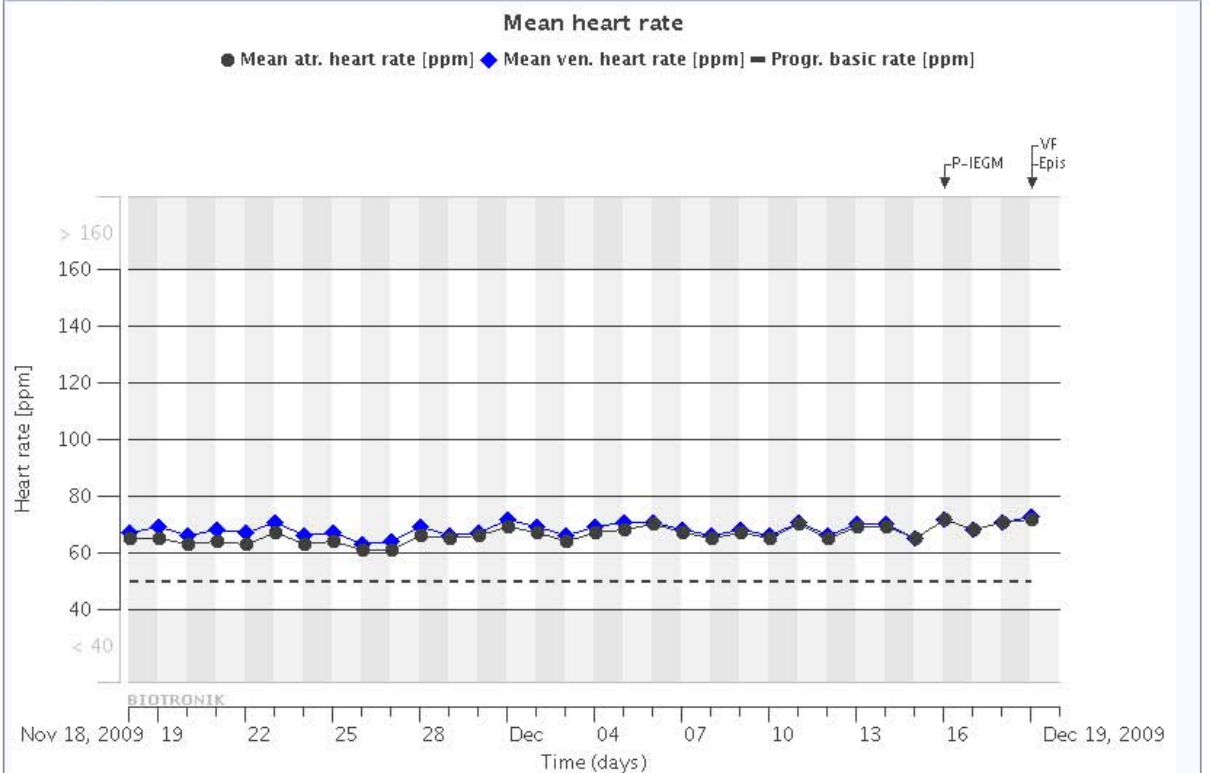
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Last device message created on Dec 19, 2009 12:55 AM

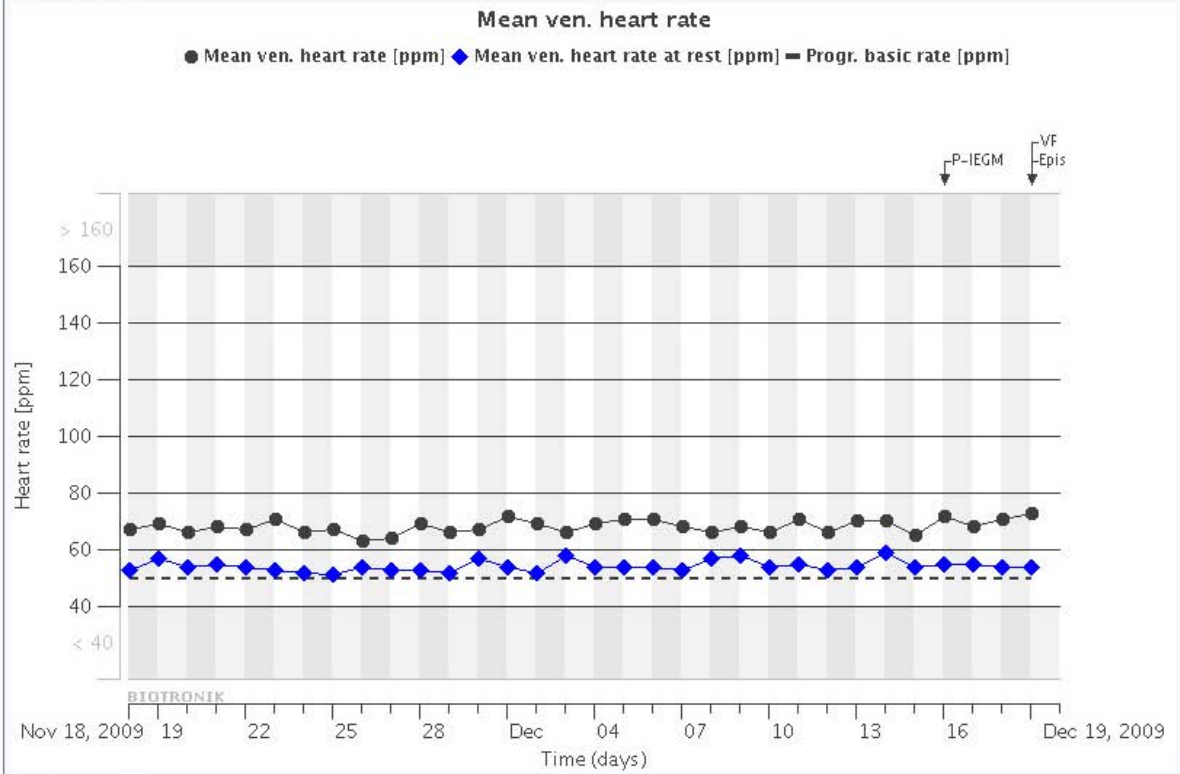
Heart rate	24 h	Since Nov 1, 2009 12:55:36 AM Mean values
Mean atrial heart rate [ppm]	72	66
Mean ventricular heart rate [ppm]	73	67
Mean ventricular heart rate at rest [ppm]	54	54
Heart rate variability		
PP variability [ms]	110	78
Activity		
Patient activity [% of day]	13	13
Thoracic impedance		
Daily mean [ohm]	---	---

Time scale 1 month

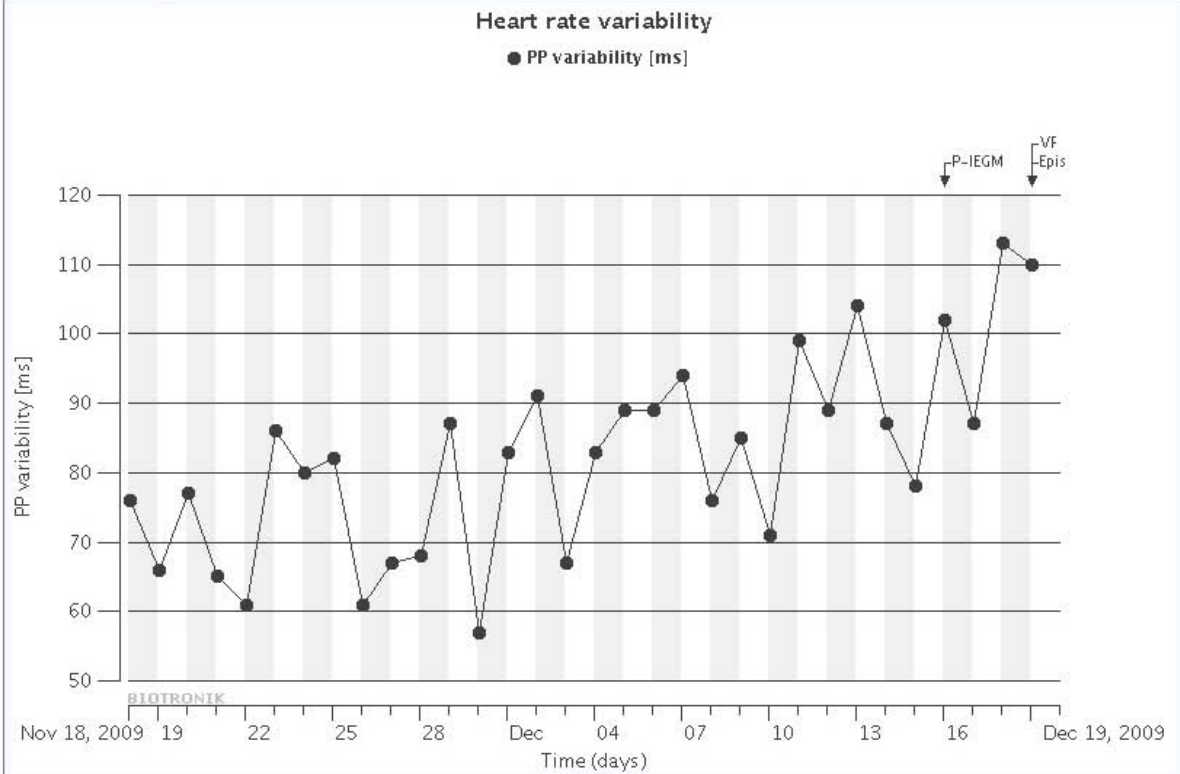
Mean heart rate



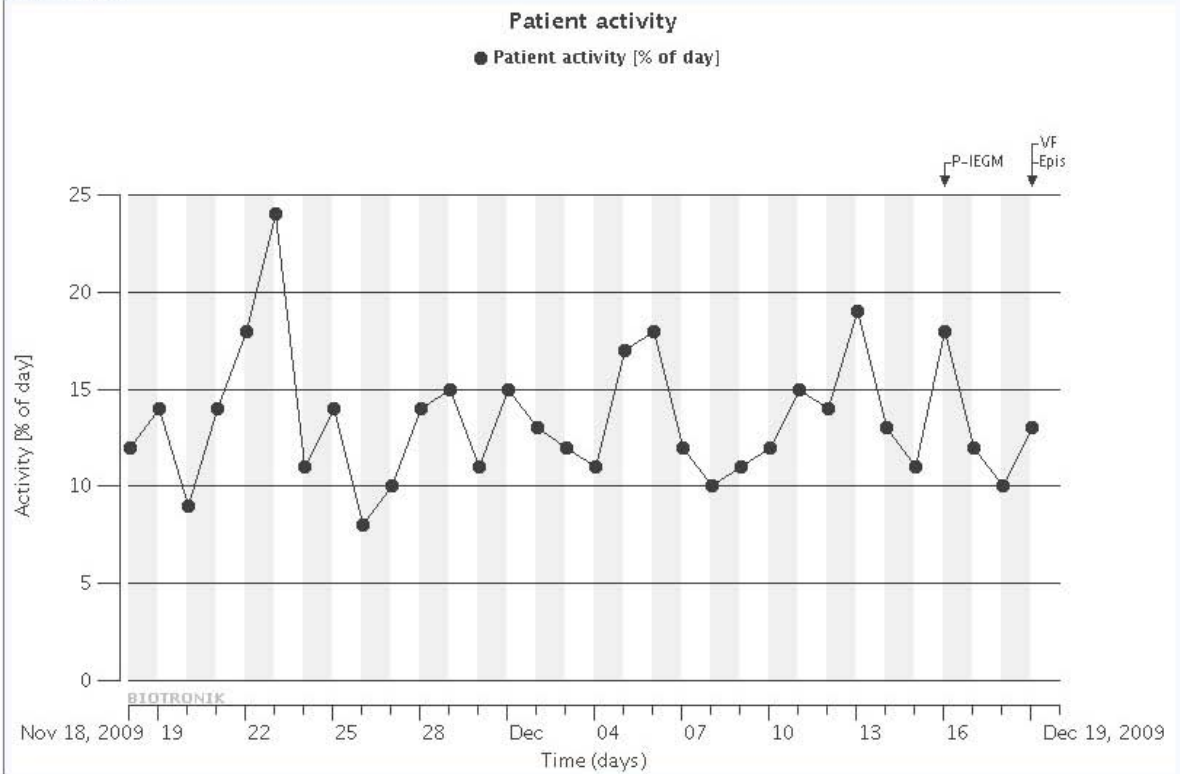
Mean ven. heart rate



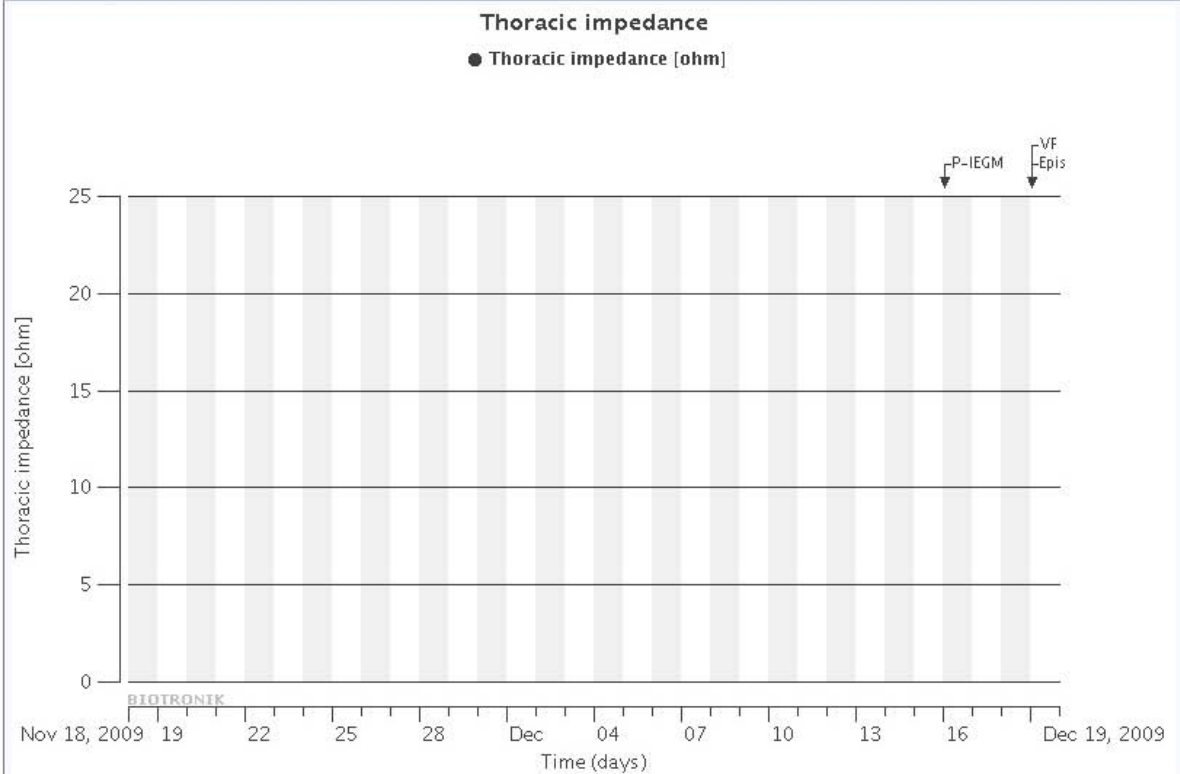
Heart rate variability



Patient activity



Thoracic impedance



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Last device message created on Dec 19, 2009 12:55 AM

Heart rate	24 h	Since Nov 1, 2009 12:55:36 AM Mean values, * Max values
Mean atrial heart rate [ppm]	72	66
Mean ventricular heart rate [ppm]	73	67
Mean ventricular heart rate at rest [ppm]	54	54
Heart rate variability		
PP variability [ms]	110	78
Activity		
Patient activity [% of day]	13	13
Arrhythmias		
Atrial burden [% of day]	0	0
Mean ven. heart rate during atr. burden [ppm]	---	---
Max. ven. heart rate during atr. burden [ppm]	---	---
Mean PVC/h	42	> 110

Time scale 1 month

HF Monitor Guide

HF Monitor Guide

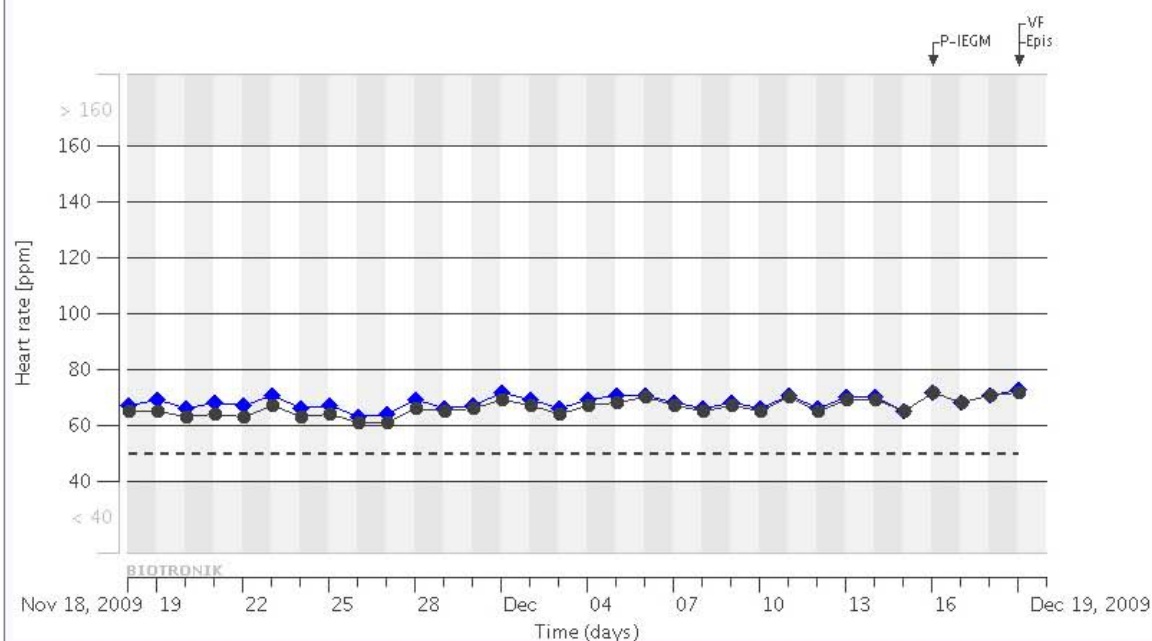


Difference to mean since Nov 1, 2009 12:55:36 AM

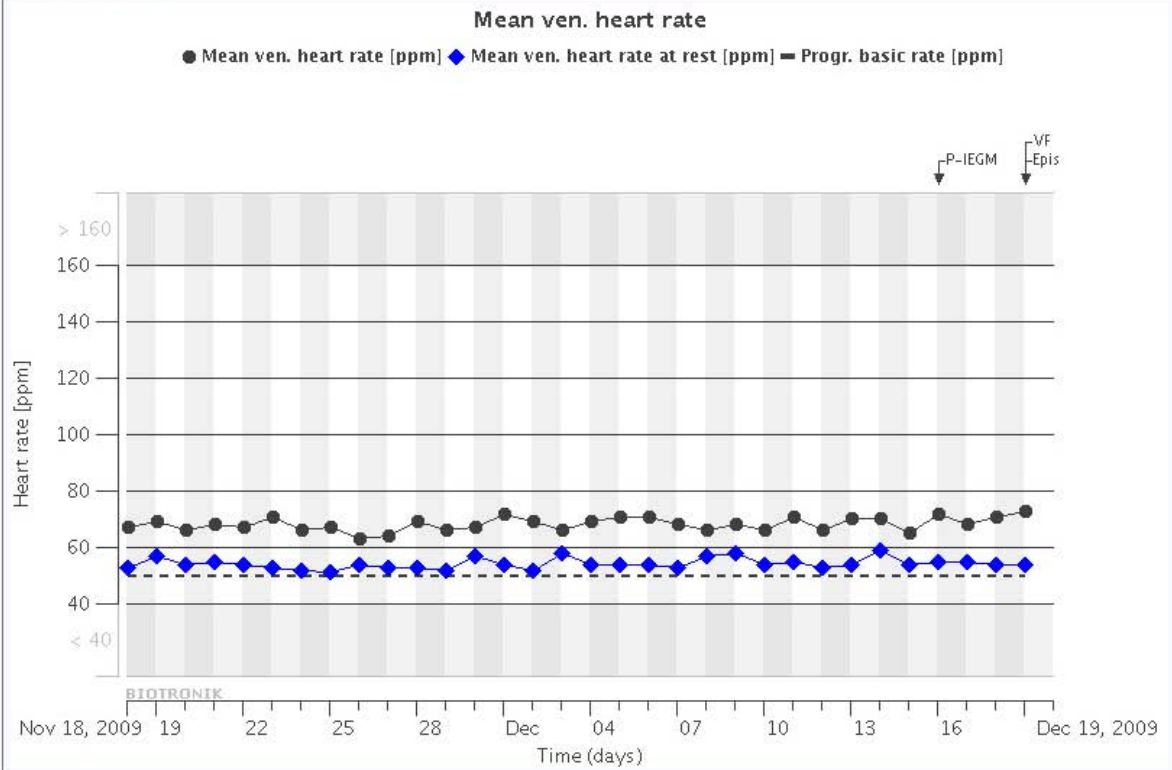
Mean heart rate

Mean heart rate

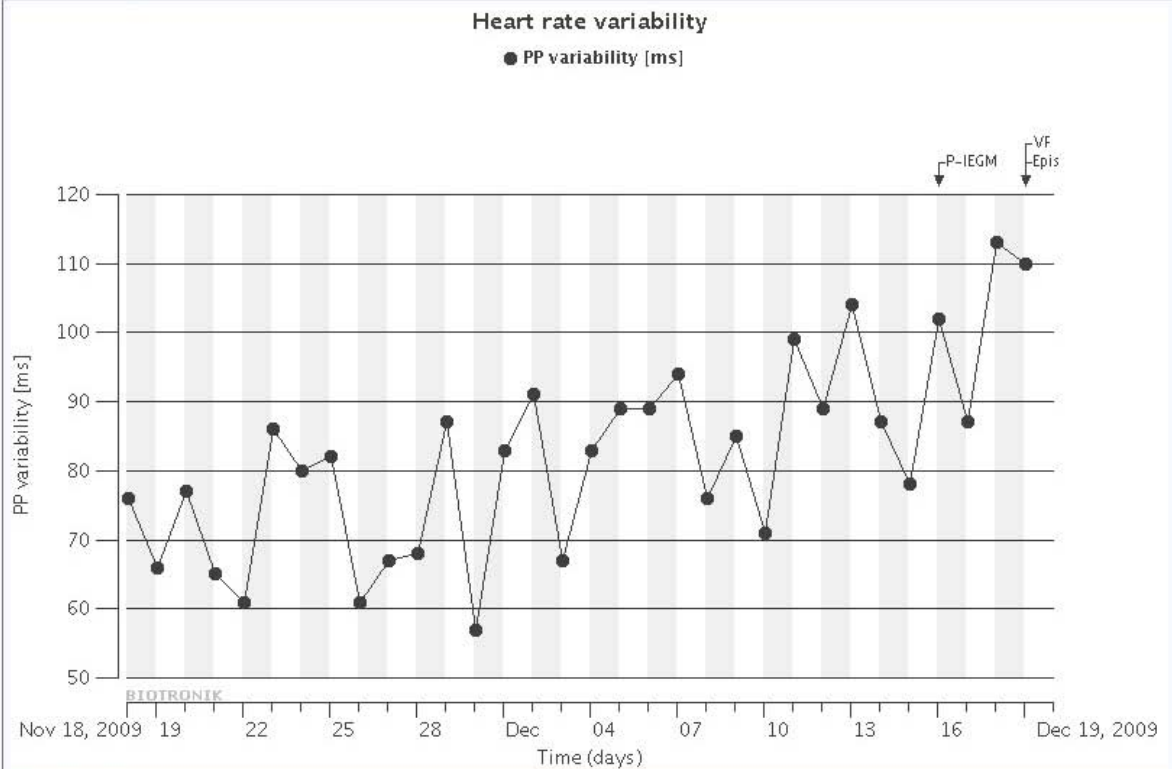
● Mean atr. heart rate [ppm] ◆ Mean ven. heart rate [ppm] = Progr. basic rate [ppm]



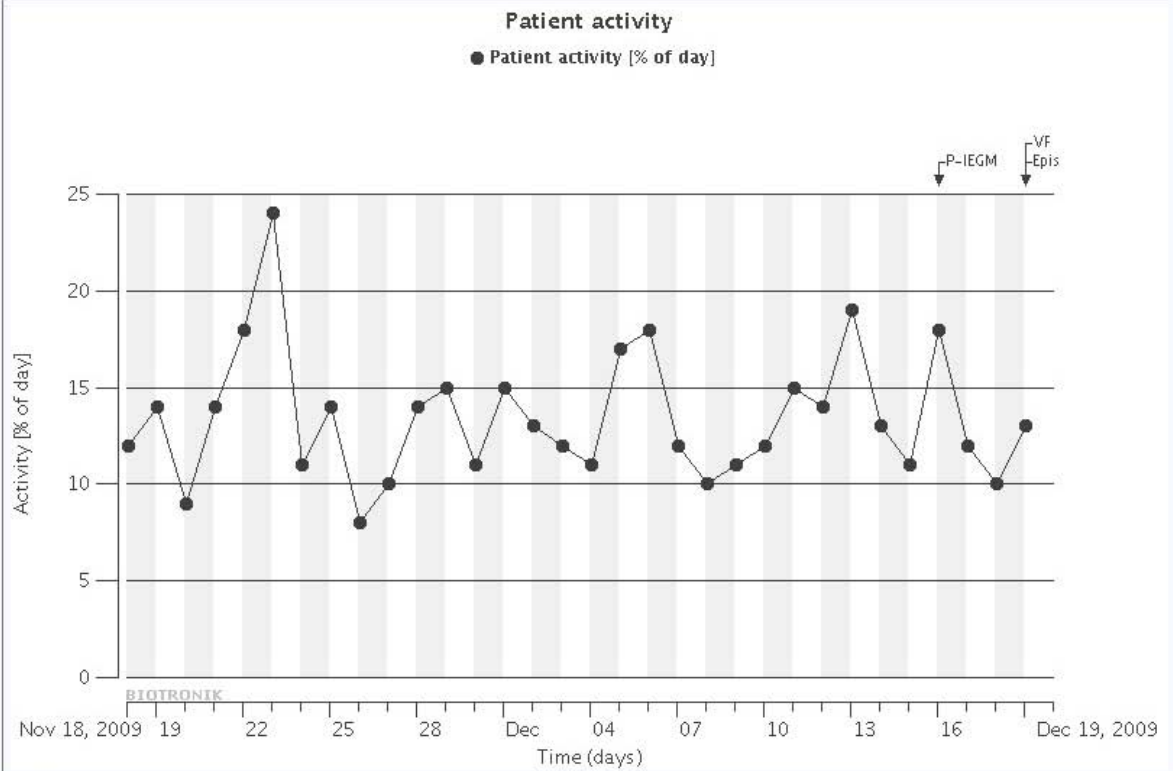
Mean ven. heart rate



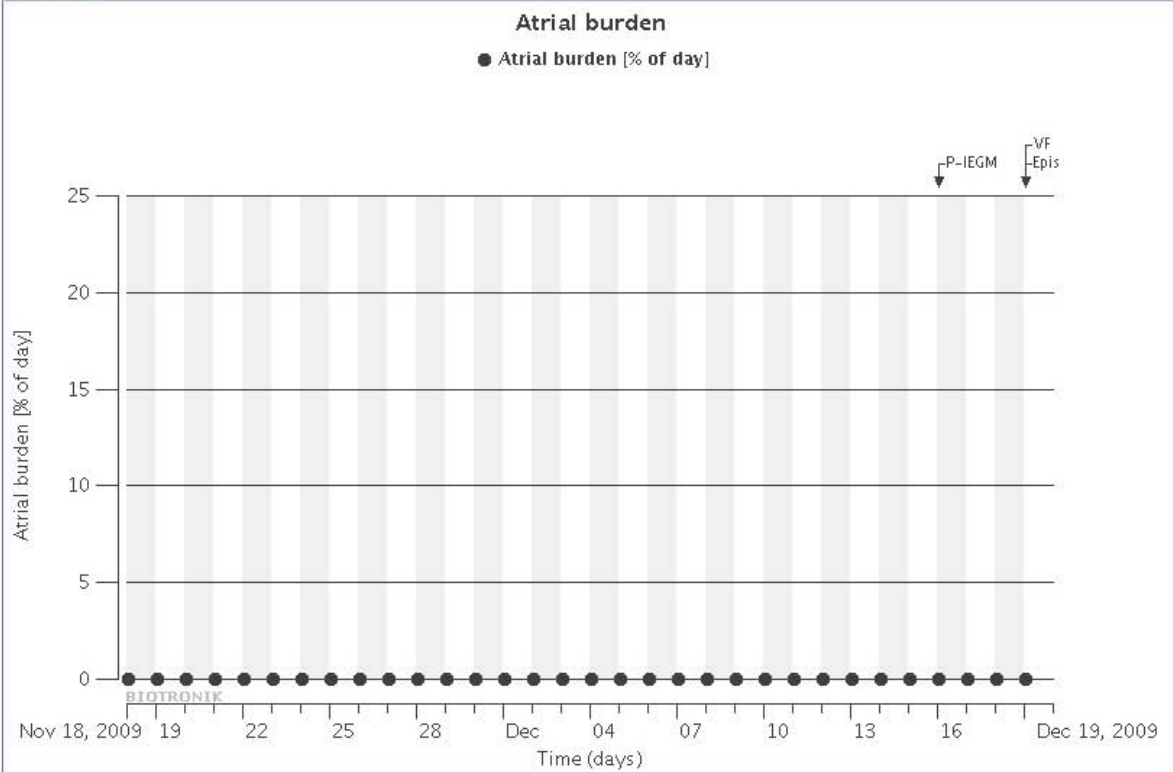
Heart rate variability



Patient activity



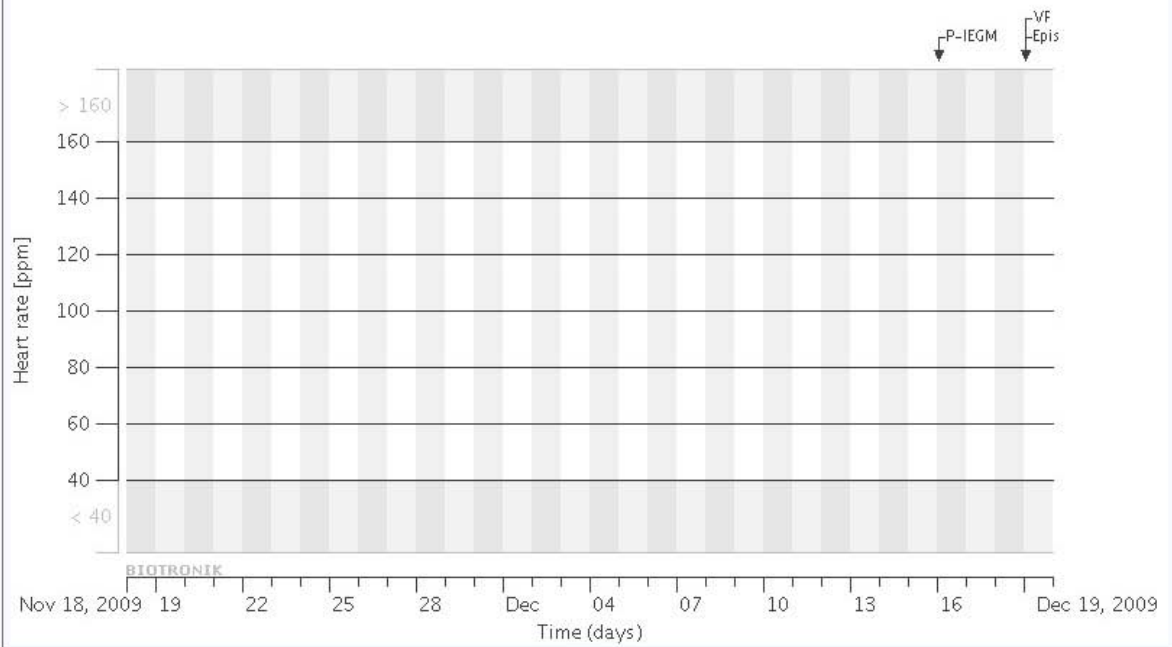
Atrial burden



Ven. heart rate during atrial burden

Ven. heart rate during atrial burden

● Mean ven. heart rate during atr. burden [ppm] ◆ Max. ven. heart rate during atr. burden [ppm]



Mean PVC/h

Mean PVC/h

● Mean PVC/h

