

Patient	Bambusek, Vladimir	Follow-up on:
Device	Lumax 540 VR-T	13/12/2016
S/N:	60483637 (PID 06)	12:10

#### Parameters - Overview

Mode	VVI
Basic rate [bpm]	40
	V
Pulse amplitude [V]	3.6
Pulse width [ms]	0.4

Tachycardia detection	Enabled
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#### Detection

Rate: VT1 [bpm]	154
Rate: VT2 [bpm]	OFF
Rate: VF [bpm]	231

#### Therapy

	1. ATP	2. ATP
VT1	2*Burst	2*Ramp
VT2		
VF	Burst	

	1st Shock	2nd shock	3rd-nth shock
VT1 [J]	40	40	6*40 J
VT2 [J]			
VF [J]	40	40	6*40 J

Progressive course of therapy	ON
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Patient	Bambusek, Vladimir	Follow-up on:
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S/N:	60483637 (PID 06)	12:10

#### Parameters - Bradycardia

	Permanent	Post shock
Mode	VVI	VVI
Basic day/night rate		
Basic rate [bpm]	40	70
Night rate [bpm]	OFF	
Night begins		
Night ends		
Rate hysteresis		
Rate hysteresis [bpm]	OFF	OFF
Repetitive		
Scan		
Sensor		
Max. sensor rate [bpm]		
Sensor gain		
Auto-gain		
Sensor threshold		
Rate increase [bpm/cycle]		
Rate decrease [bpm/cycle]		
Post-shock duration [mm:ss]		00:30

Patient	Bambusek, Vladimir	Follow-up on:
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#### Parameters - Bradycardia

	V
Pulse amplitude [V]	3.6
Pulse width [ms]	0.4
Sensing	Std.
Sensing details	
<b>Blanking</b>	
after RV pace [ms]	AUTO
<b>Thresholds</b>	
Upper threshold [%]	50
Hold of upper threshold [ms]	360
Lower threshold [%]	25
Post pace T-wave suppression	OFF
Minimum threshold [mV]	0.8

Patient	Bambusek, Vladimir	Follow-up on:
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S/N:	60483637 (PID 06)	12:10

#### Parameters - Detection

	VT1	VT2	VF
Rate [bpm]	154	OFF	231
Detection counter	36		8 in 12
Redetection counter	30		
Onset [%]	20		
Stability [ms]	24		
Sustained VT [mm:ss]	OFF		

Patient	Bambusek, Vladimir	Follow-up on:
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S/N:	60483637 (PID 06)	12:10

#### Parameters - VT1

Rate [bpm]	154
1st ATP	2*Burst
2nd ATP	2*Ramp
1st shock [J]	40
2nd shock [J]	40
3rd-nth shock	6*40 J

	1st ATP	2nd ATP
Number S1	5	6
Add S1	ON	ON
R-S1 interval [%]	80	80
S1 decrement [ms]		10
S1-S2 interval [%]		
Scan decrement [ms]	OFF	OFF
Minimum interval [ms]		200
ATP optimization		ON
ATP timeout [mm:ss]		OFF

	1st - nth shock
Confirmation	ON
Polarity	Normal
Waveform	Biphasic
Shock path	RV → Can+SVC

Patient	Bambusek, Vladimir	Follow-up on:
Device	Lumax 540 VR-T	13/12/2016
S/N:	60483637 (PID 06)	12:10

#### Parameters - VT2

Rate [bpm]	OFF	
1st ATP		
2nd ATP		
1st shock [J]		
2nd shock [J]		
3rd-nth shock		
	1st ATP	2nd ATP
Number S1		
Add S1		
R-S1 interval [%]		
S1 decrement [ms]		
S1-S2 interval [%]		
Scan decrement [ms]		
Minimum interval [ms]		
ATP optimization	ON	
ATP timeout [mm:ss]	OFF	
	1st - nth shock	
Confirmation		
Polarity		
Waveform		
Shock path	RV → Can+SVC	

Patient	Bambusek, Vladimir	Follow-up on:
Device	Lumax 540 VR-T	13/12/2016
S/N:	60483637 (PID 06)	12:10

#### Parameters - VF

Rate [bpm]	231
ATP type	Burst
1st shock [J]	40
2nd shock [J]	40
3rd-nth shock	6*40 J
Number S1	8
R-S1 interval [%]	85
S1 decrement [ms]	
S1-S2 interval [%]	

#### 1st - nth shock

Confirmation	ON
Polarity	Normal
Waveform	Biphasic
Shock path	RV → Can+SVC

Patient	Bambusek, Vladimir	Follow-up on:
Device	Lumax 540 VR-T	13/12/2016
S/N:	60483637 (PID 06)	12:10

#### Parameters - Patient

ID	641104/1076
Name	Bambusek
First name	Vladimir
Date of birth	04/11/1964
Gender	Male
Implantation	01/12/2010
Hospital, City	FN BRNO - BOHUNICE
Physician	MUDr. Sepsí
Phone	+420532232459
Symptom	Prophylactic indication
ECG indication	Ventricular fibrillation
Etiology	Myocardial infarction
LVEF [%]	36
NYHA	II

#### Remark

Slavikovice 43, 675 31 Jemnice

#### Leads

##### V

Lead position	Septum
Manufacturer	BIOTRONIK
Type	linox s 65
Serial number	10389580



Patient	Bambusek, Vladimir	Follow-up on:
Device	Lumax 540 VR-T	13/12/2016
S/N:	60483637 (PID 06)	12:10

#### Parameters - Diagnostics/HM

##### Home Monitoring

Home Monitoring	ON
Time of transmission [hh:mm]	01:00
IEGM for therapy episodes	ON
IEGM for monitoring episodes	ON
Periodic IEGM [Months]	3
Thoracic impedance	OFF

##### Recording episodes

For SVT	ON
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##### Statistics

Start rest. period [hh:mm]	02:00
Rest. period dur. [hh:mm]	04:00
Automatic impedance measurement	ON
Thoracic impedance	

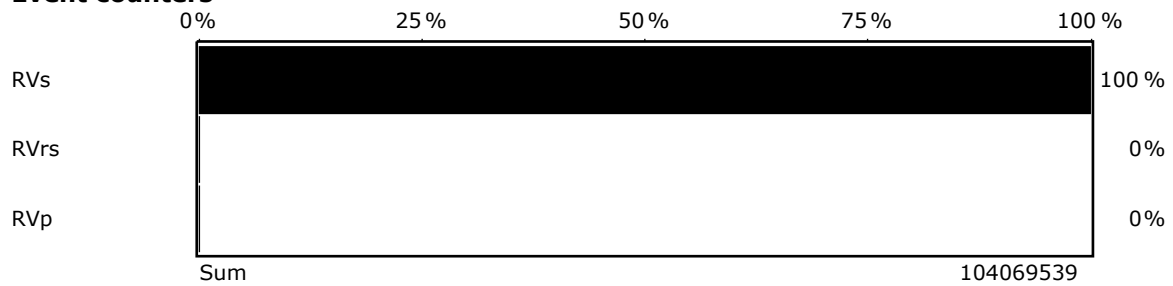
##### Autom. threshold monitoring (ATM)

ATM RV	ON
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Patient	Bambusek, Vladimir	Follow-up on:
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<b>Diagnostics - Timing</b>	(1st interrogation)
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**Event counters**



Start 08/09/2014  
Duration 827 days

Patient Bambusek, Vladimir

Follow-up on:

Device Lumax 540 VR-T

13/12/2016

S/N: 60483637 (PID 06)

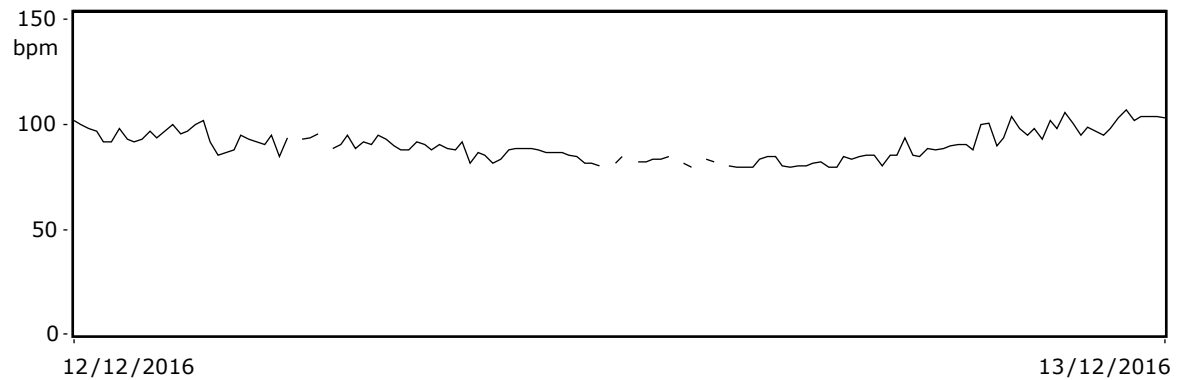
12:10

### Diagnostics - Timing

(1st interrogation)

#### Rate trend 24 h

Rate



Paced



Start 08/09/2014

Duration 827 days

PSW 1701.A/3 / 6.0.1

11/62

Patient Bambusek, Vladimir

Follow-up on:

Device Lumax 540 VR-T

13/12/2016

S/N: 60483637 (PID 06)

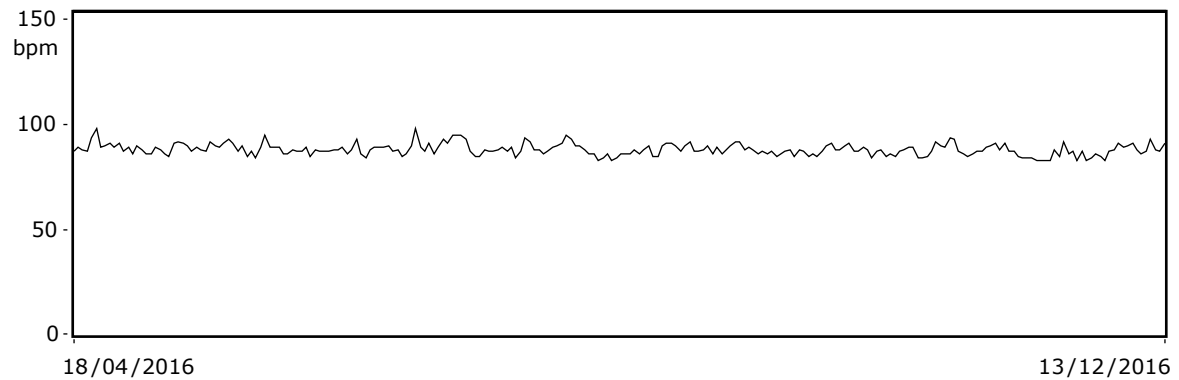
12:10

### Diagnostics - Timing

(1st interrogation)

### Long term rate trend

Rate



Paced



Start 08/09/2014

Duration 827 days

PSW 1701.A/3 / 6.0.1

12/62

Patient Bambusek, Vladimir

Follow-up on:

Device Lumax 540 VR-T

13/12/2016

S/N: 60483637 (PID 06)

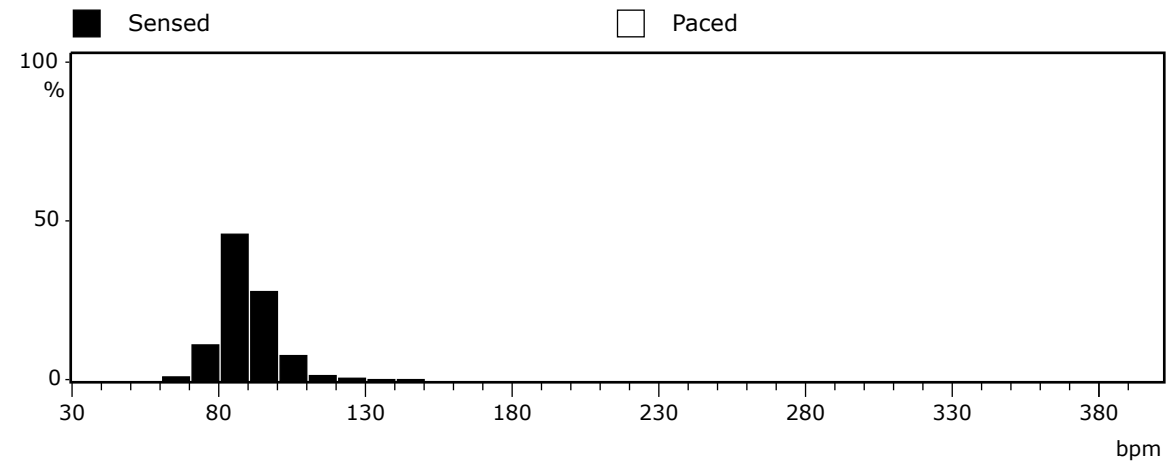
12:10

## Diagnostics - Timing

(1st interrogation)

### Rate histogram

Ventricle



Start 08/09/2014

Duration 827 days

PSW 1701.A/3 / 6.0.1

13/62

Patient Bambusek, Vladimir

Follow-up on:

Device Lumax 540 VR-T

13/12/2016

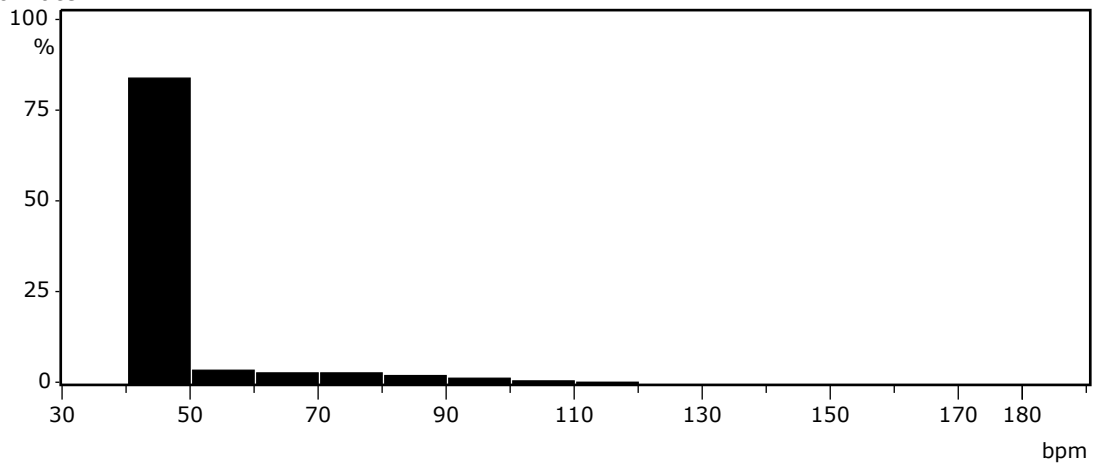
S/N: 60483637 (PID 06)

12:10

### Diagnostics - Sensor

(1st interrogation)

Sensor rate



Start 08/09/2014

Duration 827 days

PSW 1701.A/3 / 6.0.1

14/62

Patient Bambusek, Vladimir

Follow-up on:

Device Lumax 540 VR-T

13/12/2016

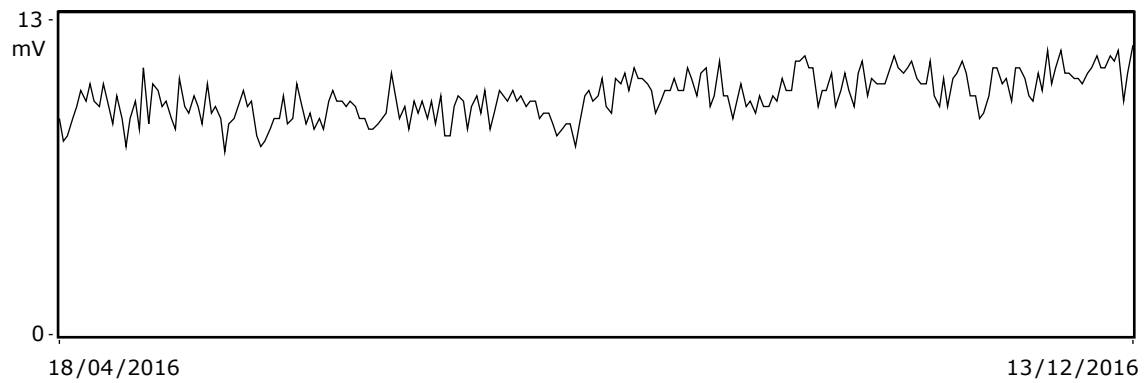
S/N: 60483637 (PID 06)

12:10

### Diagnostics - Sensing

(1st interrogation)

R amplitude



Start 08/09/2014  
Duration 827 days

PSW 1701.A/3 / 6.0.1

15/62

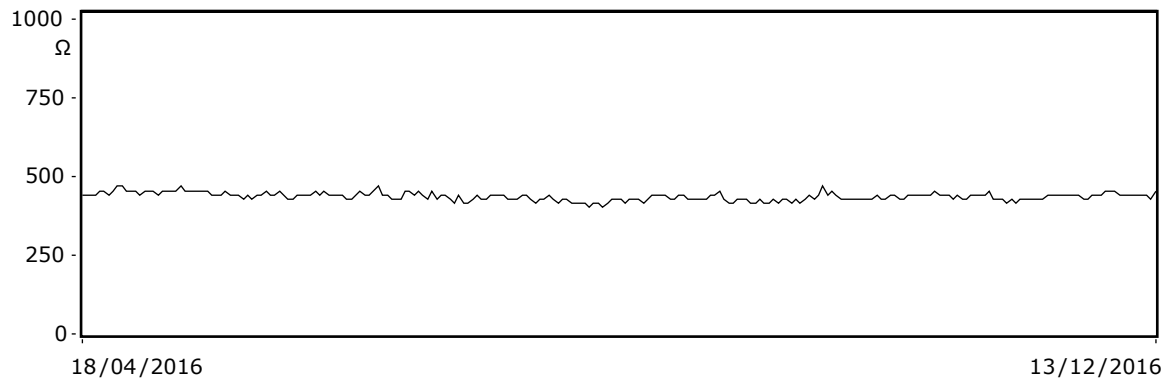
Patient	Bambusek, Vladimir	Follow-up on:
Device	Lumax 540 VR-T	13/12/2016
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## Diagnostics - Pacing/Shock

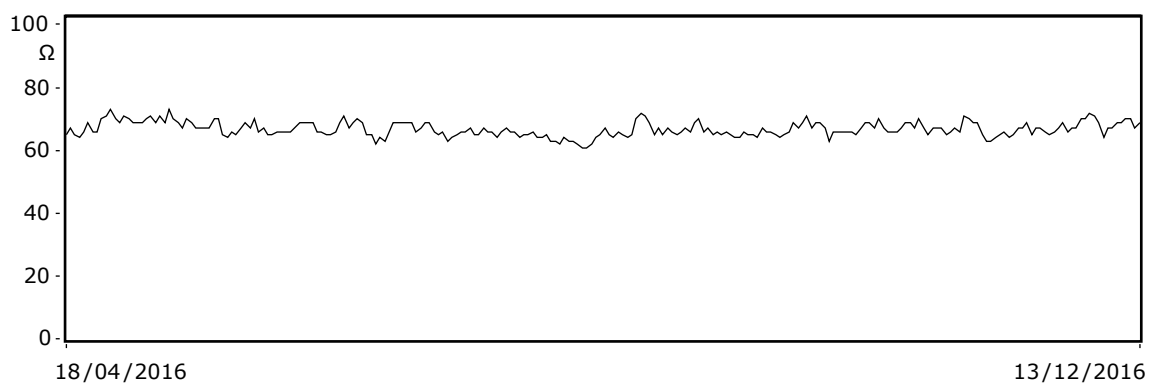
(1st interrogation)

### Impedance trend

Brady



Shock



Start 08/09/2014  
Duration 827 days



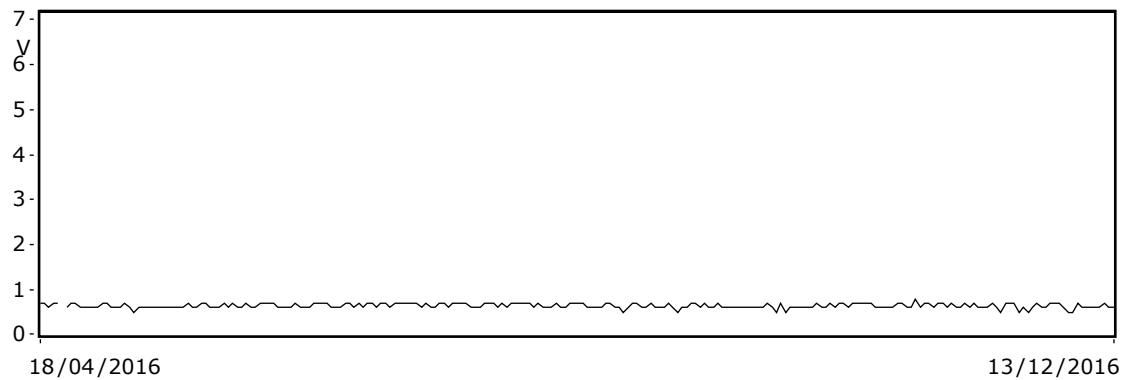
Patient	Bambusek, Vladimir	Follow-up on:
Device	Lumax 540 VR-T	13/12/2016
S/N:	60483637 (PID 06)	12:10

## Diagnostics - Pacing/Shock

(1st interrogation)

### Pacing threshold

Threshold



Start 08/09/2014  
Duration 827 days

Patient Bambusek, Vladimir

Follow-up on:

Device Lumax 540 VR-T

13/12/2016

S/N: 60483637 (PID 06)

12:10

## Recordings - Episodes

No.	Time	Zone	RR [ms]	Description	RR [ms]
413	12/12/16 17:46	VF	250	1 ATP	511
412	12/12/16 17:04	VF	237	1 Shock, 1 ATP	576
411	09/12/16 17:17	VF	234	1 Shock, 1 ATP	654
410	08/11/16 17:24	VF	256	1 ATP	556
409	08/11/16 00:40	---	783	Periodic IEGM	***
408	07/11/16 18:32	VF	255	1 ATP	571
407	04/11/16 06:51	VT1	266	1 ATP	594
406	18/10/16 10:50	VF	233	1 Shock, 1 ATP	599
405	10/08/16 00:40	---	742	Periodic IEGM	***
404	12/05/16 00:40	---	728	Periodic IEGM	***
403	22/04/16 02:58	SVT	357		428
402	22/04/16 00:52	SVT	347		411
401	22/04/16 00:15	SVT	315		440
400	21/04/16 23:46	SVT	372		454
399	21/04/16 22:31	SVT	343		433
398	21/04/16 22:30	SVT	352		442
397	11/03/16 20:32	VF	240	1 Shock, 1 ATP	480
396	12/02/16 00:40	---	740	Periodic IEGM	***
395	14/11/15 00:40	---	637	Periodic IEGM	***
394	16/08/15 00:40	---	648	Periodic IEGM	***
393	23/06/15 06:17	SVT	330		454
392	23/06/15 05:50	SVT	352		424
391	23/06/15 05:24	SVT	360		427
390	02/06/15 18:12	SVT	345		494
389	02/06/15 18:09	SVT	366		438
388	02/06/15 18:04	SVT	347		430
387	02/06/15 18:01	SVT	329		444
386	02/06/15 17:57	SVT	359		434
385	02/06/15 17:53	SVT	354		459
384	02/06/15 17:50	SVT	337		452
383	02/06/15 17:06	SVT	338		443
382	02/06/15 16:52	SVT	339		466
381	02/06/15 16:43	SVT	353		419
380	02/06/15 16:39	SVT	360		410
379	02/06/15 16:36	SVT	361		449
378	02/06/15 16:30	SVT	347		410
377	02/06/15 16:29	SVT	350		426
376	02/06/15 16:26	SVT	346		418
375	02/06/15 16:21	SVT	353		432
374	02/06/15 16:17	SVT	358		437
373	02/06/15 16:11	SVT	366		403
372	02/06/15 16:05	SVT	321		427
371	02/06/15 14:19	SVT	366		439
370	02/06/15 14:16	SVT	357		422
369	02/06/15 14:11	SVT	320		410

Patient Bambusek, Vladimir

Follow-up on:

Device Lumax 540 VR-T

13/12/2016

S/N: 60483637 (PID 06)

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## Recordings - Episodes

No.	Time	Zone	RR [ms]	Description	RR [ms]
368	02/06/15 14:09	SVT	408		462
367	01/06/15 21:38	SVT	354		544
366	18/05/15 00:40	---	651	Periodic IEGM	***
365	25/04/15 02:28	SVT	308		426
364	25/04/15 02:22	SVT	350		412
363	24/04/15 20:47	SVT	324		460
362	24/04/15 20:43	SVT	337		426
361	24/04/15 20:39	SVT	354		434
360	24/04/15 20:32	SVT	365		459
359	24/04/15 19:26	SVT	346		430
358	24/04/15 19:21	SVT	337		445
357	17/02/15 00:40	---	722	Periodic IEGM	***
356	19/11/14 00:40	---	774	Periodic IEGM	***
355	07/10/14 04:21	SVT	352		412
354	07/10/14 04:16	SVT	365		461
353	07/10/14 04:14	SVT	355		411
352	07/10/14 04:12	SVT	364		417
351	07/10/14 04:08	SVT	380		416
350	07/10/14 04:05	SVT	354		478
349	07/10/14 03:59	SVT	358		414
348	07/10/14 03:57	SVT	369		414
347	07/10/14 03:55	SVT	325		424
346	07/10/14 03:53	SVT	379		427
345	07/10/14 03:45	SVT	279		432
344	07/10/14 03:42	SVT	376		403
343	07/10/14 02:27	SVT	341		429
342	07/10/14 02:22	SVT	356		482
341	07/10/14 01:20	SVT	405		411
340	06/10/14 20:50	SVT	362		438
339	06/10/14 19:32	SVT	336		432
338	06/10/14 18:42	SVT	391		445
337	06/10/14 18:32	SVT	323		469
336	06/10/14 18:24	SVT	373		410
335	06/10/14 18:19	SVT	342		441
334	06/10/14 18:15	SVT	344		478
333	06/10/14 18:14	SVT	382		450
332	06/10/14 18:12	SVT	355		438
331	06/10/14 18:06	SVT	393		417
330	06/10/14 17:49	SVT	394		424
329	21/08/14 00:40	---	668	Periodic IEGM	***
328	11/08/14 13:12	SVT	346		744
327	11/08/14 13:11	SVT	352		444
326	11/08/14 13:02	SVT	333		449
325	11/08/14 13:00	SVT	368		416
324	11/08/14 12:59	SVT	374		420

Patient Bambusek, Vladimir

Follow-up on:

Device Lumax 540 VR-T

13/12/2016

S/N: 60483637 (PID 06)

12:10

### Recordings - Episodes

No.	Time	Zone	RR [ms]	Description	RR [ms]
323	11/08/14 12:57	SVT	338		404
322	11/08/14 12:52	SVT	354		419
321	11/08/14 12:51	SVT	331		442
320	11/08/14 12:38	SVT	353		446
319	11/08/14 12:36	SVT	358		437
318	11/08/14 12:35	SVT	356		440
317	11/08/14 12:34	SVT	355		449
316	11/08/14 12:31	SVT	354		435
315	11/08/14 12:28	SVT	361		454
314	11/08/14 12:23	SVT	366		435
313	11/08/14 12:19	SVT	371		427
312	11/08/14 12:19	SVT	344		460
311	11/08/14 12:17	SVT	363		426
310	11/08/14 12:16	SVT	357		438
309	11/08/14 12:11	SVT	365		448
308	11/08/14 12:08	SVT	354		469
307	11/08/14 12:03	SVT	371		434
306	11/08/14 12:00	SVT	354		428
305	11/08/14 11:57	SVT	346		414
304	11/08/14 11:50	SVT	352		448
303	11/08/14 11:44	SVT	356		435
302	11/08/14 11:41	SVT	391		486
301	11/08/14 11:37	SVT	355		412
300	11/08/14 11:36	SVT	357		421
299	11/08/14 11:33	SVT	348		495
298	11/08/14 11:29	SVT	333		506
297	11/08/14 11:26	SVT	348		433
296	11/08/14 11:23	SVT	378		442
295	11/08/14 11:11	SVT	351		433
294	11/08/14 11:08	SVT	336		441
293	11/08/14 11:05	SVT	350		432
292	11/08/14 10:41	SVT	359		515
291	11/08/14 10:37	SVT	354		507
290	11/08/14 10:32	SVT	345		438
289	11/08/14 10:27	SVT	360		505
288	11/08/14 10:20	SVT	297		431
287	11/08/14 10:19	SVT	350		445
203	16/04/14 12:13	VF	288	1 Shock	427

Patient Bambusek, Vladimir

Follow-up on:

Device Lumax 540 VR-T

13/12/2016

S/N: 60483637 (PID 06)

12:10

### Recordings - Shocks

No.	Time	Energy [J]	Charge time [s]	Impedance [ $\Omega$ ]	Description
31	12/12/16 17:46	40	3.9	***	Termination without shock
30	12/12/16 17:05	40	11.5	74	
29	09/12/16 17:18	40	12.1	78	
28	08/11/16 17:24	40	1.4	***	Termination without shock
27	07/11/16 18:33	40	2.6	***	Termination without shock
26	18/10/16 10:50	40	12.0	69	
25	07/09/16 00:00	40	12.1	***	Automatic cap reform
24	09/06/16 00:00	40	12.0	***	Automatic cap reform
23	11/03/16 20:32	40	11.9	73	
22	06/01/16 00:00	40	12.0	***	Automatic cap reform
21	08/10/15 00:00	40	12.0	***	Automatic cap reform
20	10/07/15 00:00	40	11.9	***	Automatic cap reform
19	11/04/15 00:00	40	11.9	***	Automatic cap reform
18	11/01/15 00:00	40	11.9	***	Automatic cap reform
17	13/10/14 00:00	40	11.8	***	Automatic cap reform
16	15/07/14 00:00	40	11.8	***	Automatic cap reform
15	16/04/14 12:13	40	11.4	75	
14	09/04/14 00:00	40	11.9	***	Automatic cap reform
13	09/01/14 00:00	40	11.8	***	Automatic cap reform
12	11/10/13 00:00	40	11.8	***	Automatic cap reform
11	13/07/13 00:00	40	11.6	***	Automatic cap reform
10	14/04/13 00:00	40	11.6	***	Automatic cap reform
9	14/01/13 00:00	40	11.5	***	Automatic cap reform
8	16/10/12 00:00	40	11.5	***	Automatic cap reform
7	18/07/12 00:00	40	11.4	***	Automatic cap reform
6	19/04/12 00:00	40	11.3	***	Automatic cap reform
5	20/01/12 00:00	40	11.1	***	Automatic cap reform
4	22/10/11 00:00	40	10.9	***	Automatic cap reform
3	24/07/11 00:00	40	10.8	***	Automatic cap reform
2	25/04/11 00:00	40	10.6	***	Automatic cap reform
1	25/01/11 00:00	40	10.4	***	Automatic cap reform

Total number of charges

31

Patient	Bambusek, Vladimir	Follow-up on:
Device	Lumax 540 VR-T	13/12/2016
S/N:	60483637 (PID 06)	12:10

#### Recordings - Counter

##### Detections since last follow-up

Zone	SVT	VT1	VT2	VF
Number	0	1	0	6

##### Detections since implantation

Zone	SVT	VT1	VT2	VF
Number	379	1	0	8

##### Therapy since last follow-up

	Successful	Unsuccessful
ATP in VT	1	0
ATP One Shot	3	3
Shock	3	0

##### Therapy since implantation

	Delivered
ATP in VT	1
ATP One Shot	7
Shock	5

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S/N:	60483637 (PID 06)	12:10

Status	(1st interrogation)
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#### Device

Software release	6.0.1
ICD	OK
PID	06

#### Home Monitoring

Type of message	Trend message
Last message	12/12/2016 02:01:18

#### Battery

Battery status	MOL2
Voltage [V]	3.01
Battery ID number	3

#### Shocks/Reforms

Total number of charges	31
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	Last charge event	Last with max. energy
Energy [J]	40	40
Charge time [s]	Abort	Abort
Date	12/12/2016	12/12/2016
Time	17:46	17:46

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S/N:	60483637 (PID 06)	12:12

# **Recordings - Details**

Episode: 411

EGM of episode No.		411		
Detection				
Zone		VF		
Measured Onset in V [%]		(fulfilled)		49
Measured stability in V [ms]		7		
		VT1	VT2	VF
Redetections		0	0	0
Therapy				
ATP		1		
Shocks		1		
Max. energy [J]		40		
ATP One Shot		YES		
Times				
Detection		09/12/2016 17:17:54		
Termination		09/12/2016 17:18:17		
Duration		0:00:23		
Program No.		9		
Remark				



Patient Bambusek, Vladimir

Follow-up on:

Device Lumax 540 VR-T

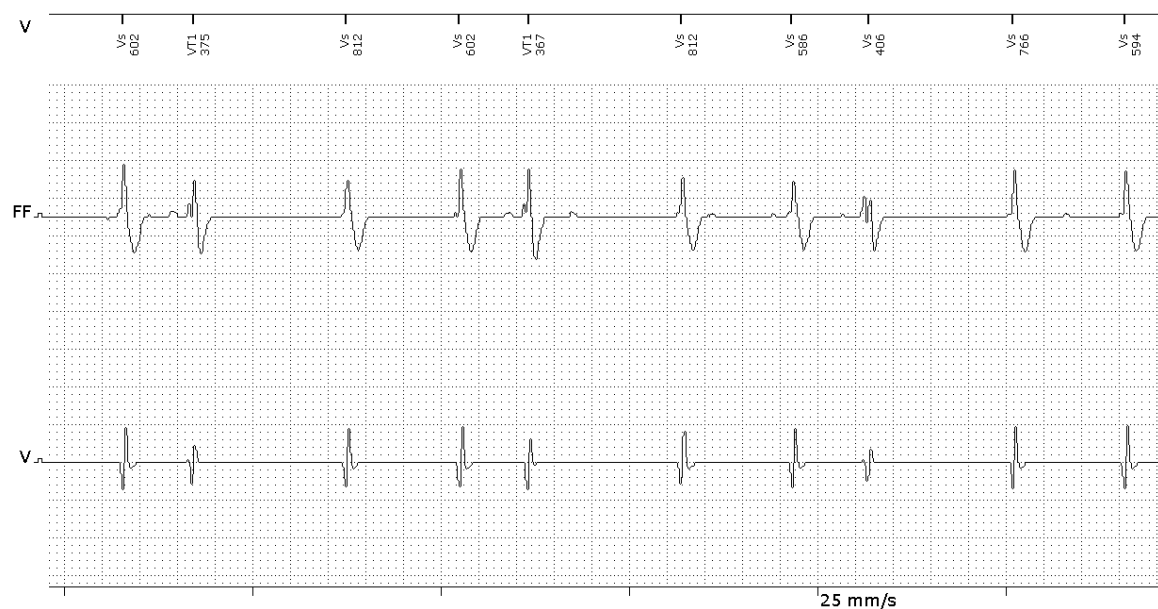
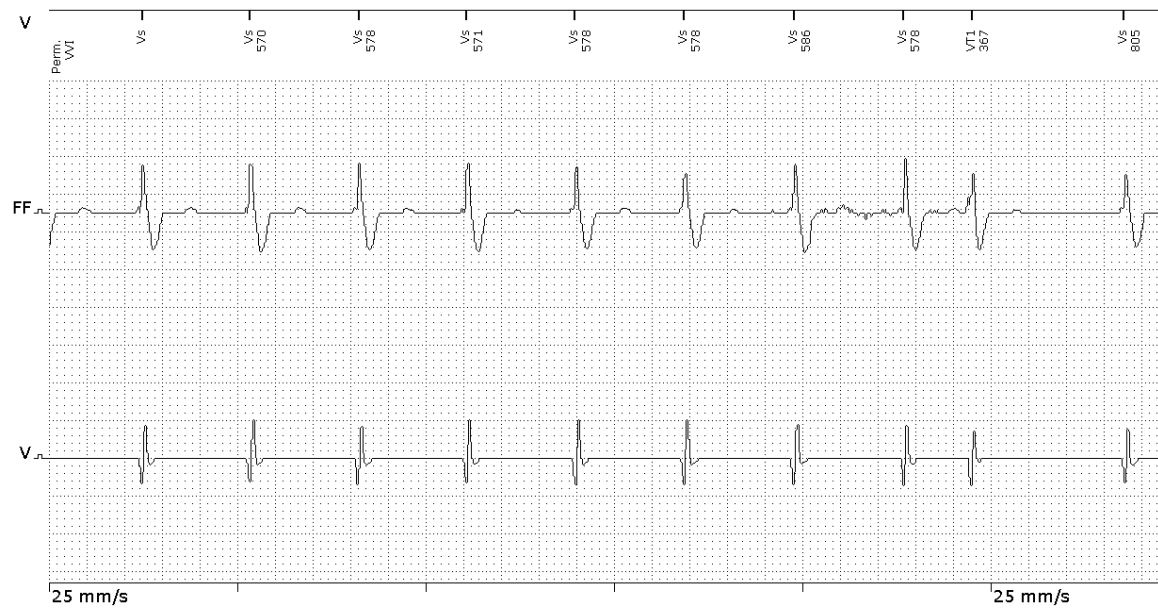
13/12/2016

S/N: 60483637 (PID 06)

12:12

## Recordings - IEGM

Episode: 411



Patient Bambusek, Vladimir

Follow-up on:

Device Lumax 540 VR-T

13/12/2016

S/N: 60483637 (PID 06)

12:12

## Recordings - IEGM

Episode: 411



Patient Bambusek, Vladimir

Follow-up on:

Device Lumax 540 VR-T

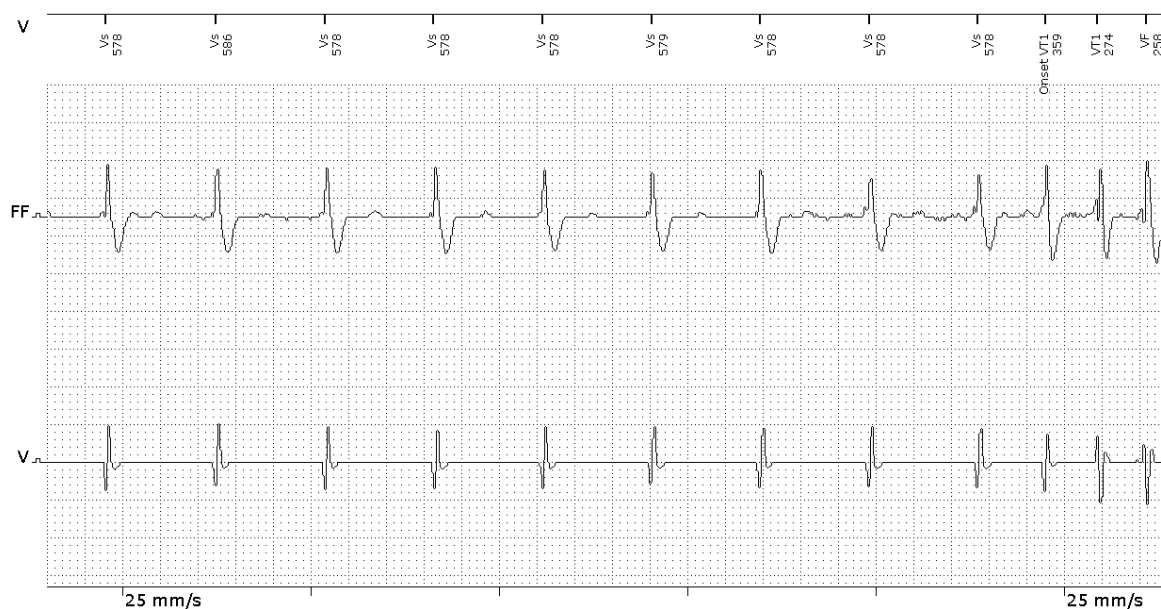
13/12/2016

S/N: 60483637 (PID 06)

12:12

## Recordings - IEGM

Episode: 411



Patient Bambusek, Vladimir

Follow-up on:

Device Lumax 540 VR-T

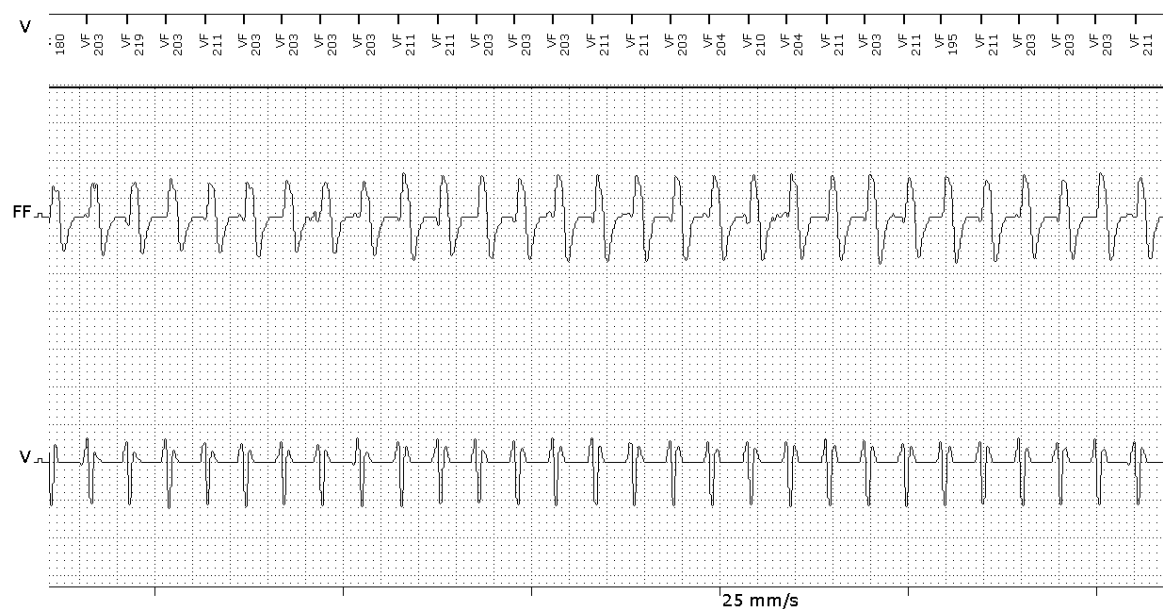
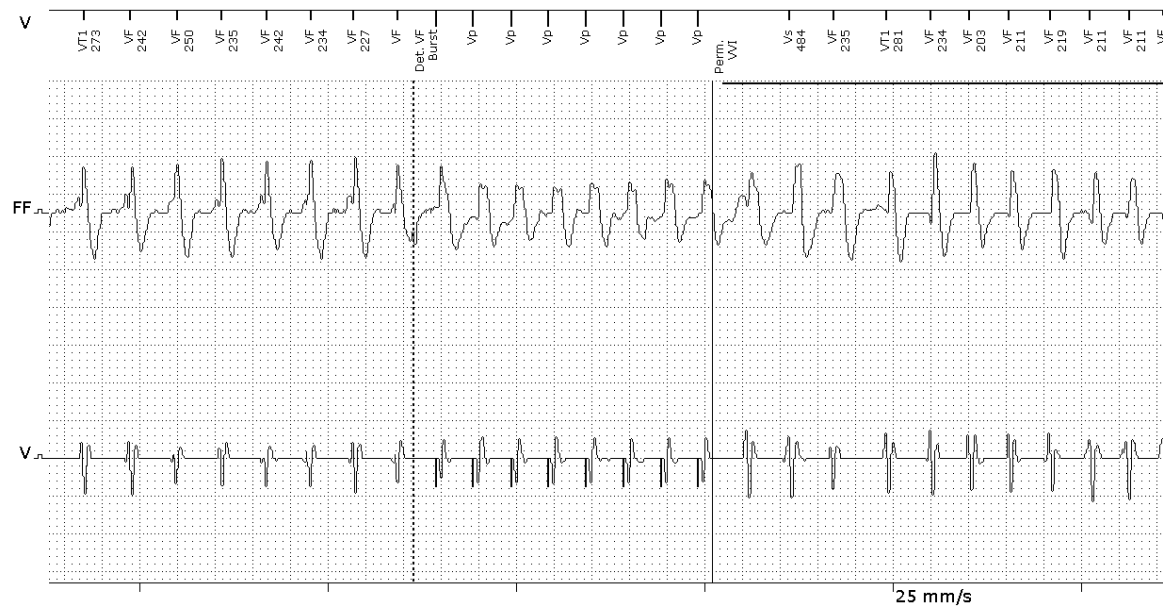
13/12/2016

S/N: 60483637 (PID 06)

12:12

## Recordings - IEGM

Episode: 411



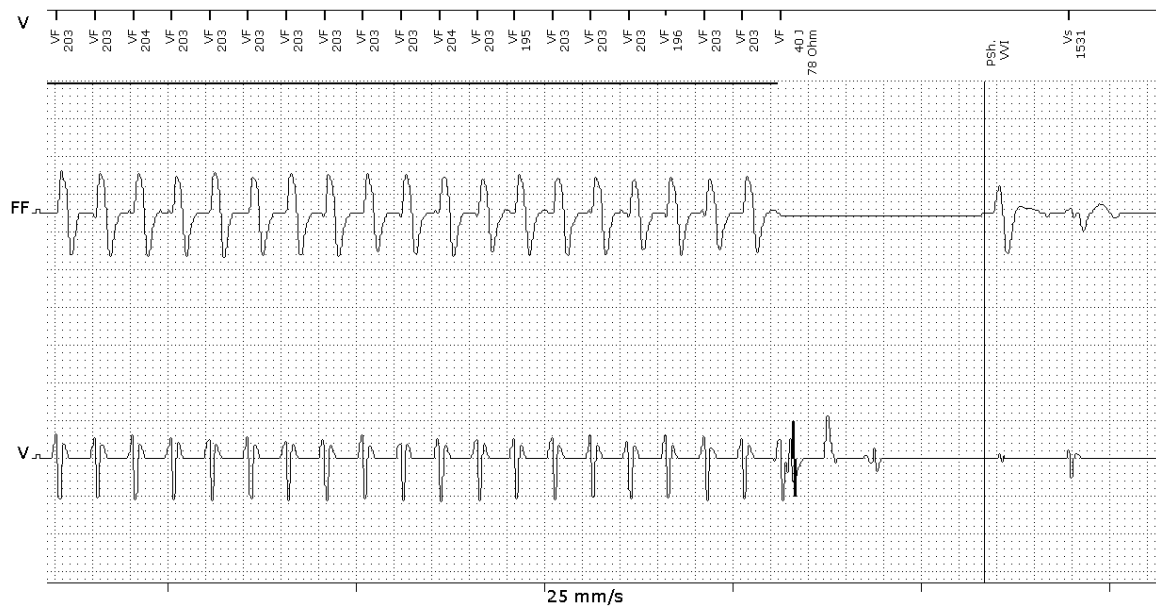
Follow-up on:

13/12/2016

12:12

## Recordings - IEGM

Episode:	411
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Patient Bambusek, Vladimir

Follow-up on:

Device Lumax 540 VR-T

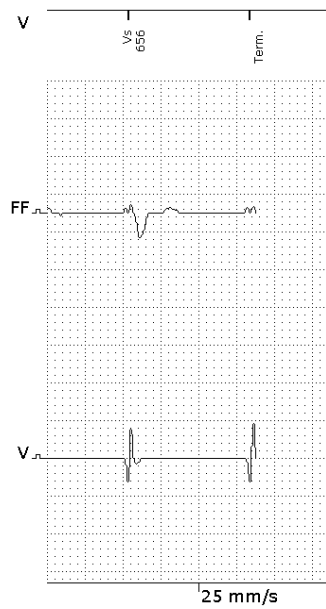
13/12/2016

S/N: 60483637 (PID 06)

12:12

## Recordings - IEGM

Episode: 411



Patient	Bambusek, Vladimir	Follow-up on:
Device	Lumax 540 VR-T	13/12/2016
S/N:	60483637 (PID 06)	12:13

### Recordings - Details

Episode: 406

EGM of episode No. 406

#### Detection

Zone	VF
Measured Onset in V [%] (fulfilled)	45
Measured stability in V [ms]	10

	VT1	VT2	VF
Redetections	0	0	0

#### Therapy

ATP	1
Shocks	1
Max. energy [J]	40
ATP One Shot	YES

#### Times

Detection	18/10/2016 10:50:14
Termination	18/10/2016 10:50:37
Duration	0:00:23

Program No. 9

Remark

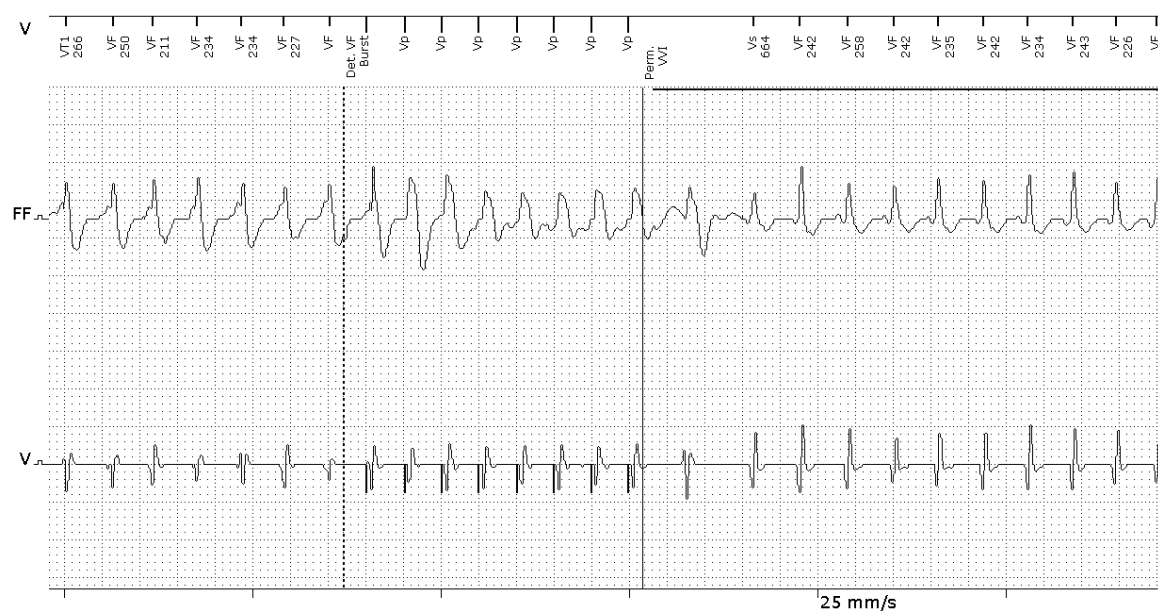
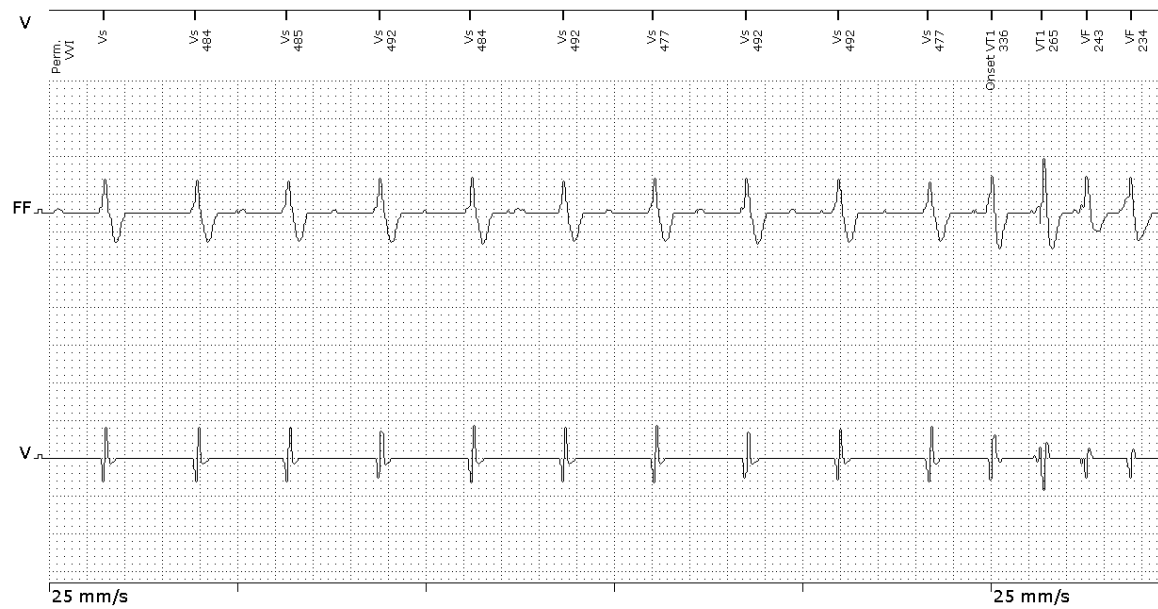
Follow-up on:

13/12/2016

12:13

## Recordings - IEGM

Episode:	406
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Patient Bambusek, Vladimir

Follow-up on:

Device Lumax 540 VR-T

13/12/2016

S/N: 60483637 (PID 06)

12:13

## Recordings - IEGM

Episode: 406



Patient Bambusek, Vladimir

Follow-up on:

Device Lumax 540 VR-T

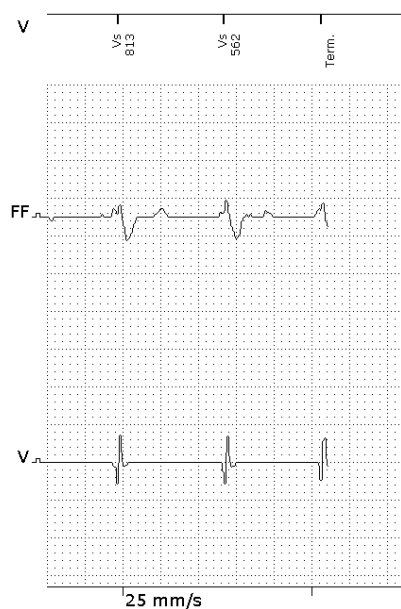
13/12/2016

S/N: 60483637 (PID 06)

12:13

## Recordings - IEGM

Episode: 406



Patient	Bambusek, Vladimir	Follow-up on:
Device	Lumax 540 VR-T	13/12/2016
S/N:	60483637 (PID 06)	12:24

<b>Recordings - Details</b>	Episode: 412
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EGM of episode No.	412
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Detection

Zone	VF
Measured Onset in V [%]	(fulfilled) 44
Measured stability in V [ms]	28

	VT1	VT2	VF
Redetections	0	0	0

Therapy

ATP	1
Shocks	1
Max. energy [J]	40
ATP One Shot	YES

Times

Detection	12/12/2016 17:04:58
Termination	12/12/2016 17:05:21
Duration	0:00:23

Program No.	9
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Remark

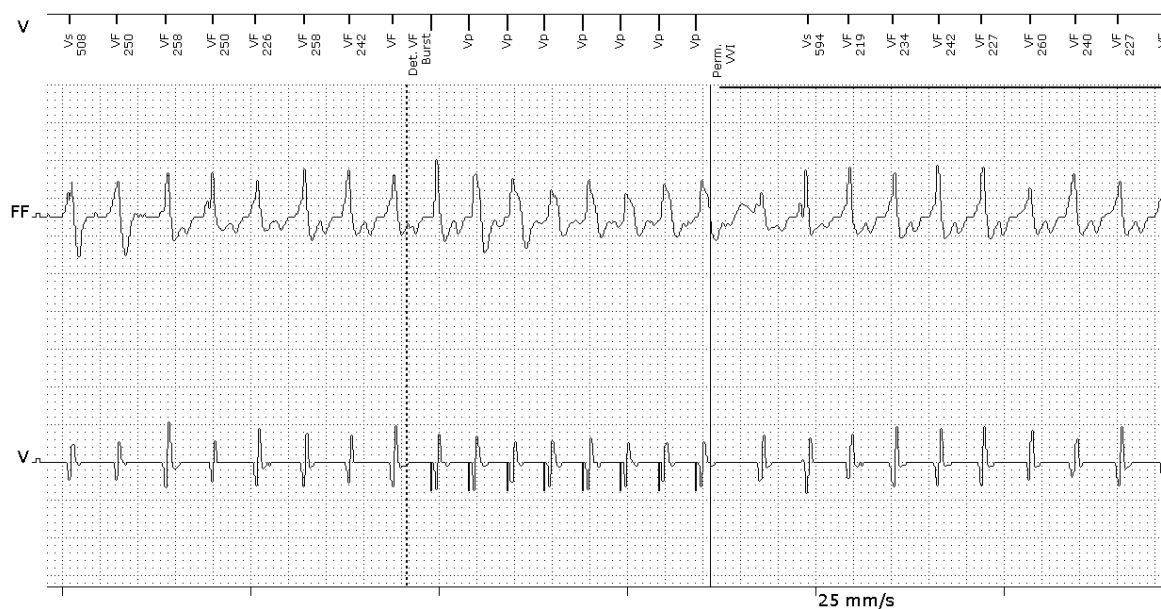
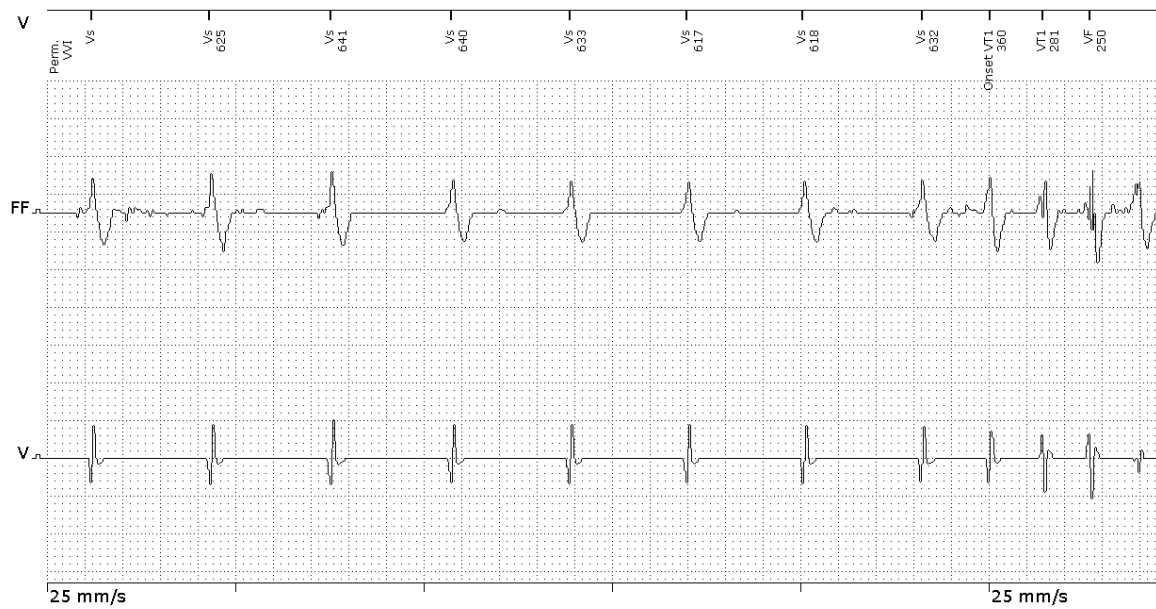
Follow-up on:

13/12/2016

12:24

## Recordings - IEGM

Episode:	412
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Patient Bambusek, Vladimir

Follow-up on:

Device Lumax 540 VR-T

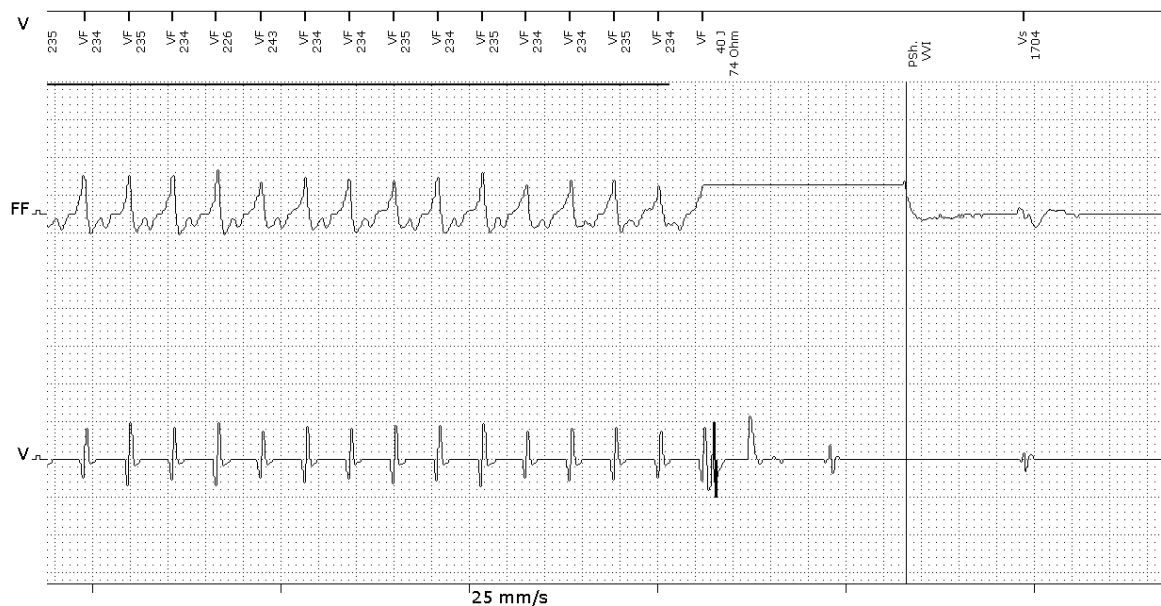
13/12/2016

S/N: 60483637 (PID 06)

12:24

## Recordings - IEGM

Episode: 412



Patient Bambusek, Vladimir

Follow-up on:

Device Lumax 540 VR-T

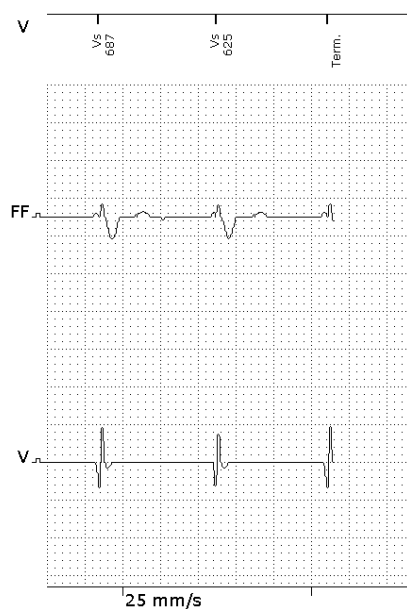
13/12/2016

S/N: 60483637 (PID 06)

12:24

## Recordings - IEGM

Episode: 412



Patient	Bambusek, Vladimir	Follow-up on:
Device	Lumax 540 VR-T	13/12/2016
S/N:	60483637 (PID 06)	12:24

### Recordings - Details

Episode: 410

EGM of episode No. 410

#### Detection

Zone	VF
Measured Onset in V [%] (fulfilled)	49
Measured stability in V [ms]	2

	VT1	VT2	VF
Redetections	0	0	0

#### Therapy

ATP	1
Shocks	0
Max. energy [J]	40
ATP One Shot	YES

#### Times

Detection	08/11/2016 17:24:24
Termination	08/11/2016 17:24:33
Duration	0:00:09

Program No. 9

#### Remark

1 Shock(s) canceled

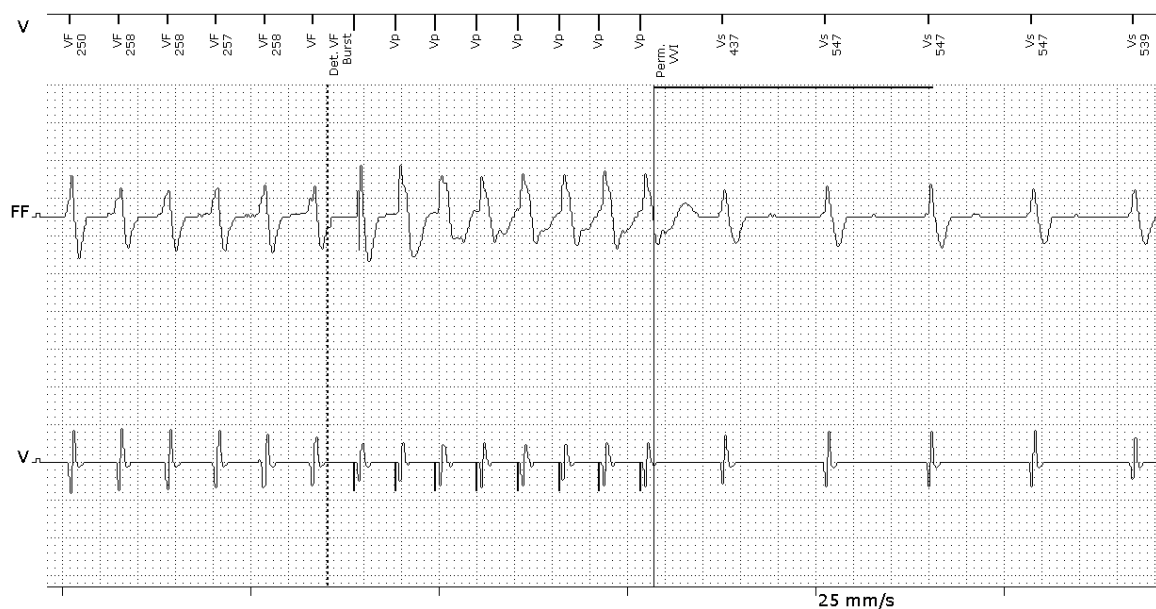
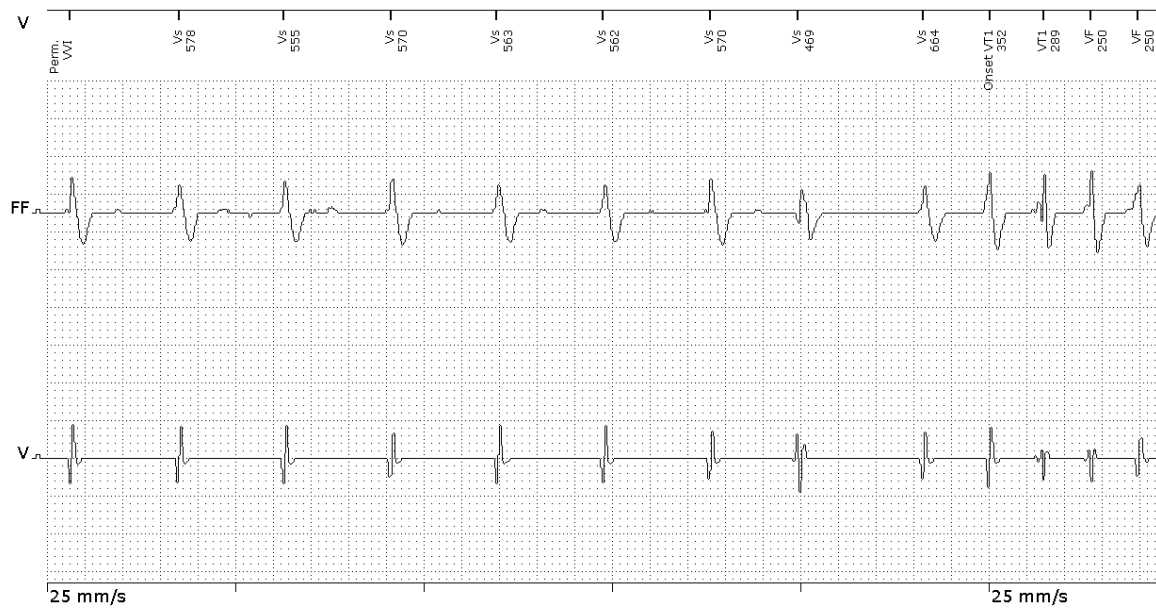
Follow-up on:

13/12/2016

12:24

## Recordings - IEGM

Episode:	410
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Patient Bambusek, Vladimir

Follow-up on:

Device Lumax 540 VR-T

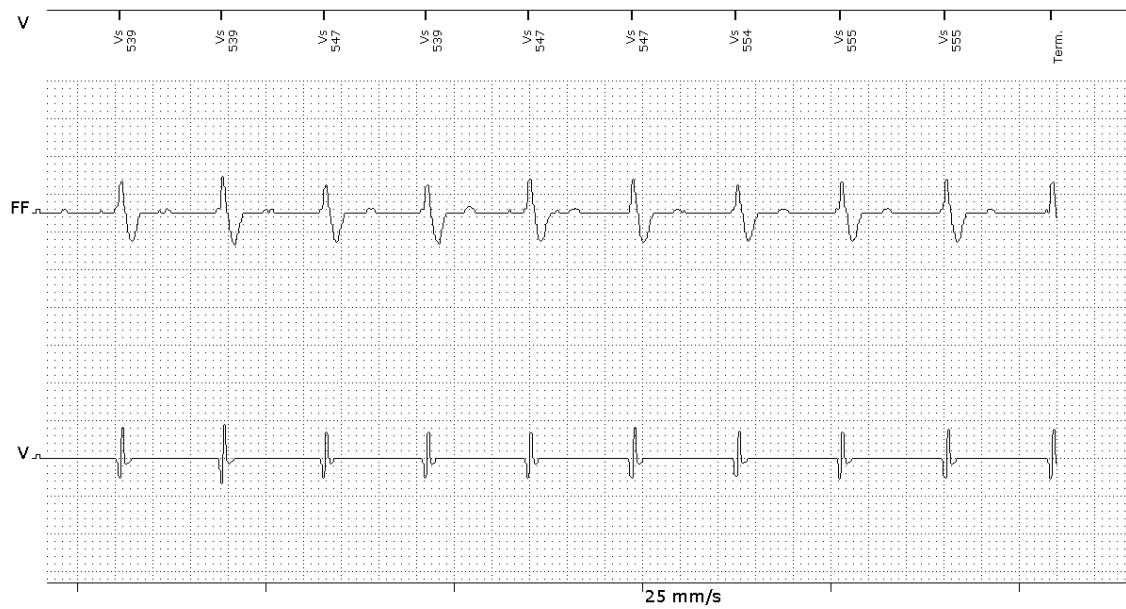
13/12/2016

S/N: 60483637 (PID 06)

12:24

## Recordings - IEGM

Episode: 410



Patient	Bambusek, Vladimir	Follow-up on:
Device	Lumax 540 VR-T	13/12/2016
S/N:	60483637 (PID 06)	12:25

# **Recordings - Details**

Episode: 408

EGM of episode No. 408

## Detection

Zone	VF
Measured Onset in V [%] (fulfilled)	50
Measured stability in V [ms]	17

	VT1	VT2	VF
Redetections	0	0	0

## Therapy

ATP	1
Shocks	0
Max. energy [J]	40
ATP One Shot	YES

## Times

Detection	07/11/2016 18:32:57
Termination	07/11/2016 18:33:08
Duration	0:00:11

Program No. 9

## Remark

1 Shock(s) canceled

Patient Bambusek, Vladimir

Follow-up on:

Device Lumax 540 VR-T

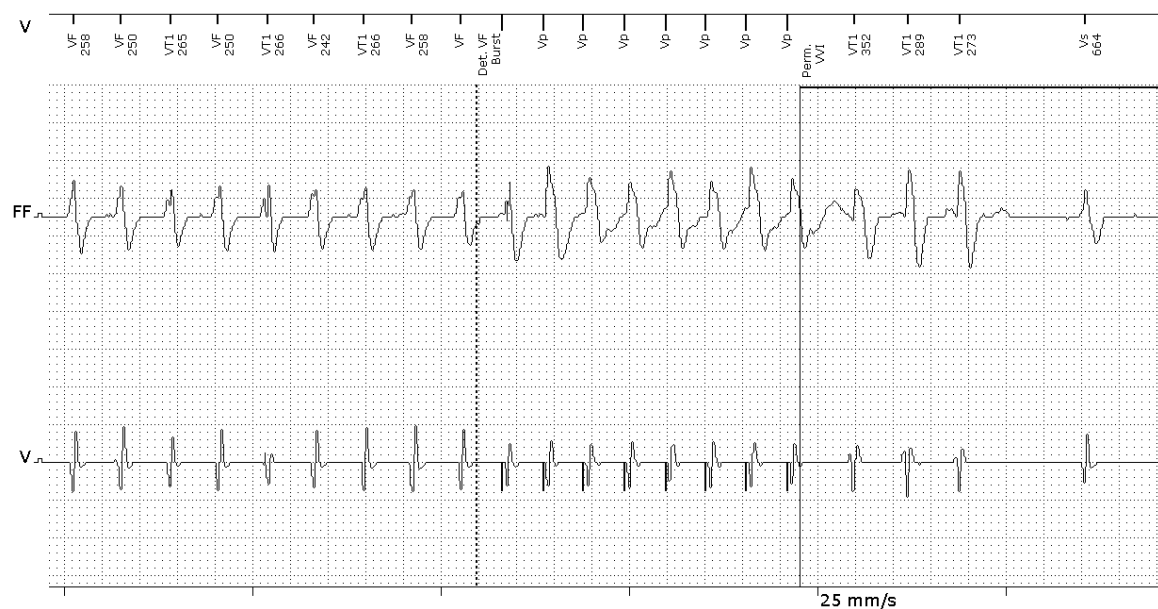
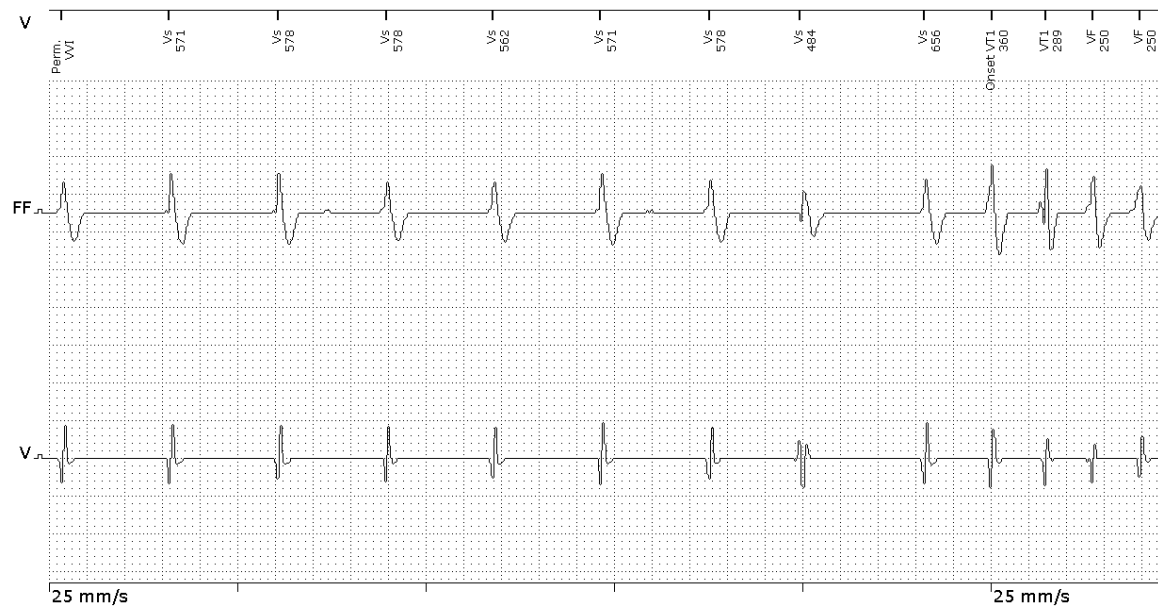
13/12/2016

S/N: 60483637 (PID 06)

12:25

## Recordings - IEGM

Episode: 408



Patient Bambusek, Vladimir

Follow-up on:

Device Lumax 540 VR-T

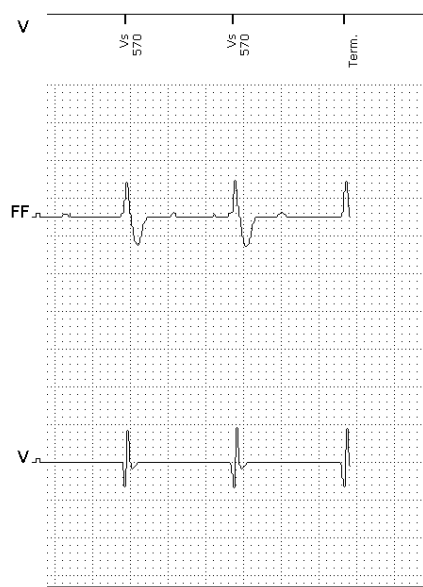
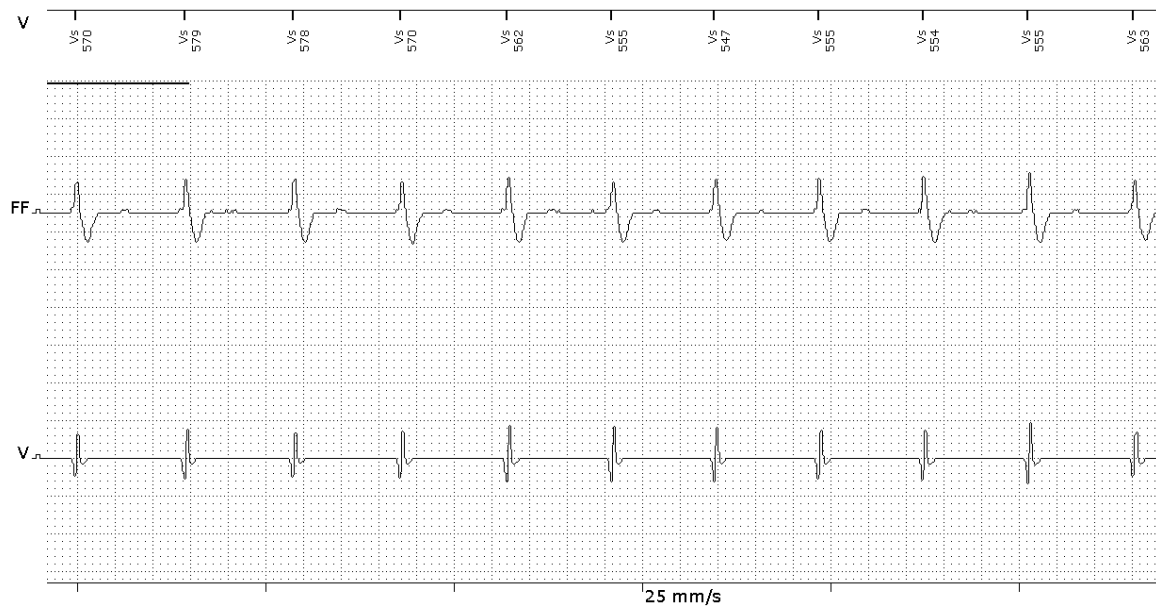
13/12/2016

S/N: 60483637 (PID 06)

12:25

## Recordings - IEGM

Episode: 408



Patient	Bambusek, Vladimir	Follow-up on:
Device	Lumax 540 VR-T	13/12/2016
S/N:	60483637 (PID 06)	12:25

<b>Recordings - Details</b>	Episode: 407
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EGM of episode No.	407
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Detection

Zone	VT1
Measured Onset in V [%]	(fulfilled) 49
Measured stability in V [ms]	3

	VT1	VT2	VF
Redetections	0	0	0

Therapy

ATP	1
Shocks	0
Max. energy [J]	***
ATP One Shot	NO

Times

Detection	04/11/2016 06:51:59
Termination	04/11/2016 06:52:08
Duration	0:00:09

Program No.	9
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Remark	
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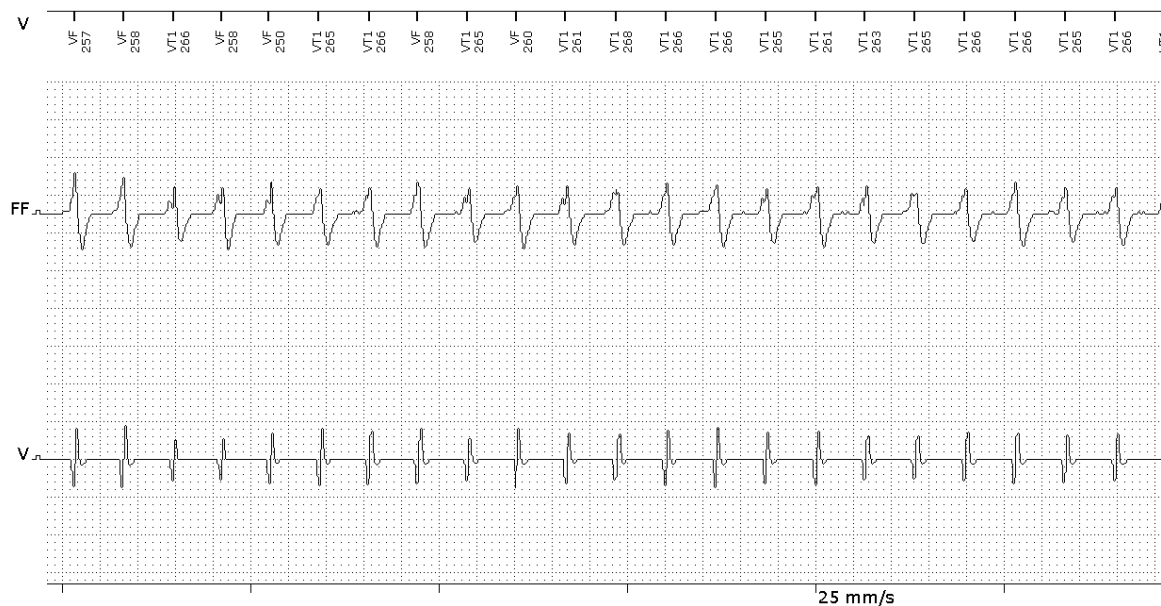
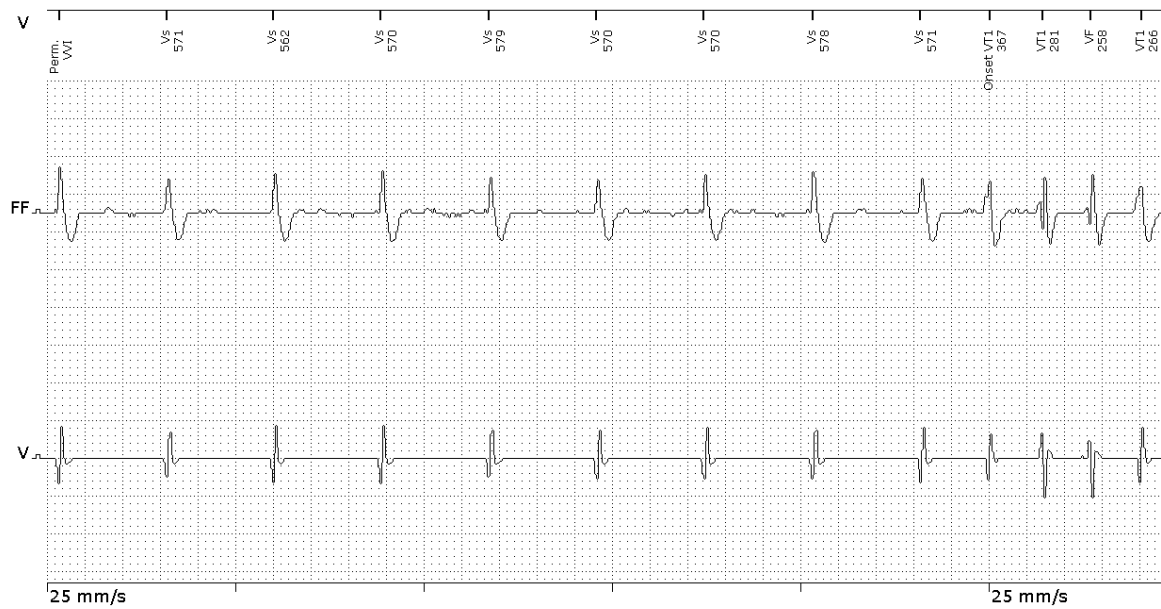
Follow-up on:

13/12/2016

12:25

## Recordings - IEGM

Episode:	407
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Patient Bambusek, Vladimir

Follow-up on:

Device Lumax 540 VR-T

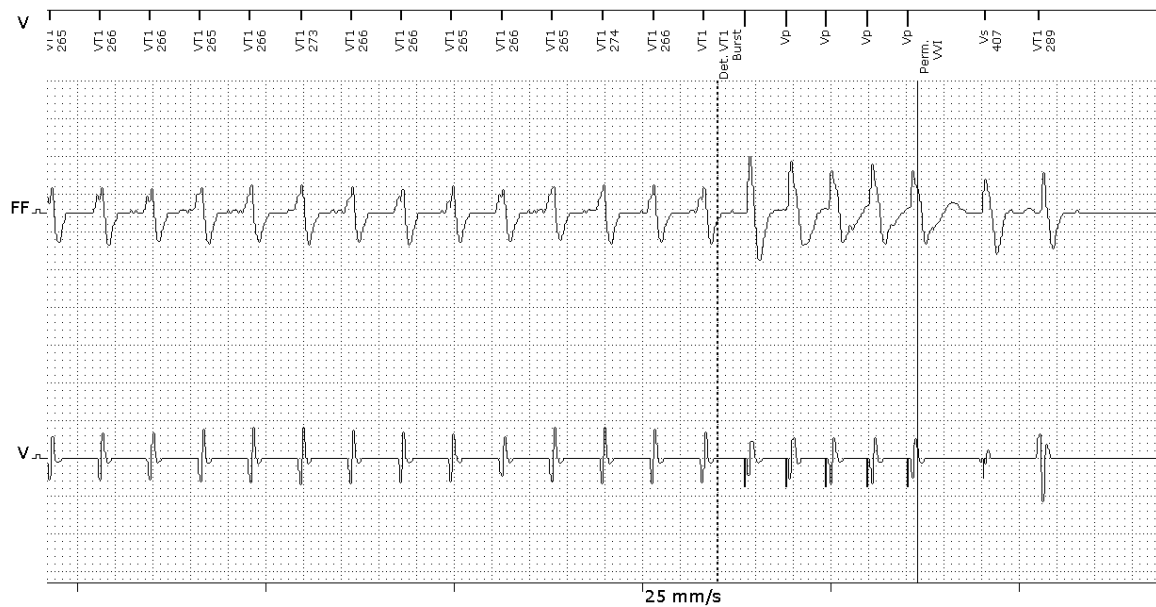
13/12/2016

S/N: 60483637 (PID 06)

12:25

## Recordings - IEGM

Episode: 407



Patient Bambusek, Vladimir

Follow-up on:

Device Lumax 540 VR-T

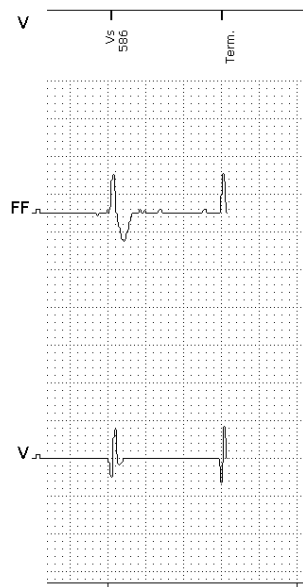
13/12/2016

S/N: 60483637 (PID 06)

12:25

## Recordings - IEGM

Episode: 407





Patient	Bambusek, Vladimir	Follow-up on:
Device	Lumax 540 VR-T	13/12/2016
S/N:	60483637 (PID 06)	12:27

# **Recordings - Details**

Episode: 413

EGM of episode No. 413

## Detection

Zone	VF
Measured Onset in V [%] (fulfilled)	50
Measured stability in V [ms]	4

	VT1	VT2	VF
Redetections	0	0	0

## Therapy

ATP	1
Shocks	0
Max. energy [J]	40
ATP One Shot	YES

## Times

Detection	12/12/2016 17:46:23
Termination	12/12/2016 17:46:35
Duration	0:00:12

Program No. 9

## Remark

1 Shock(s) canceled

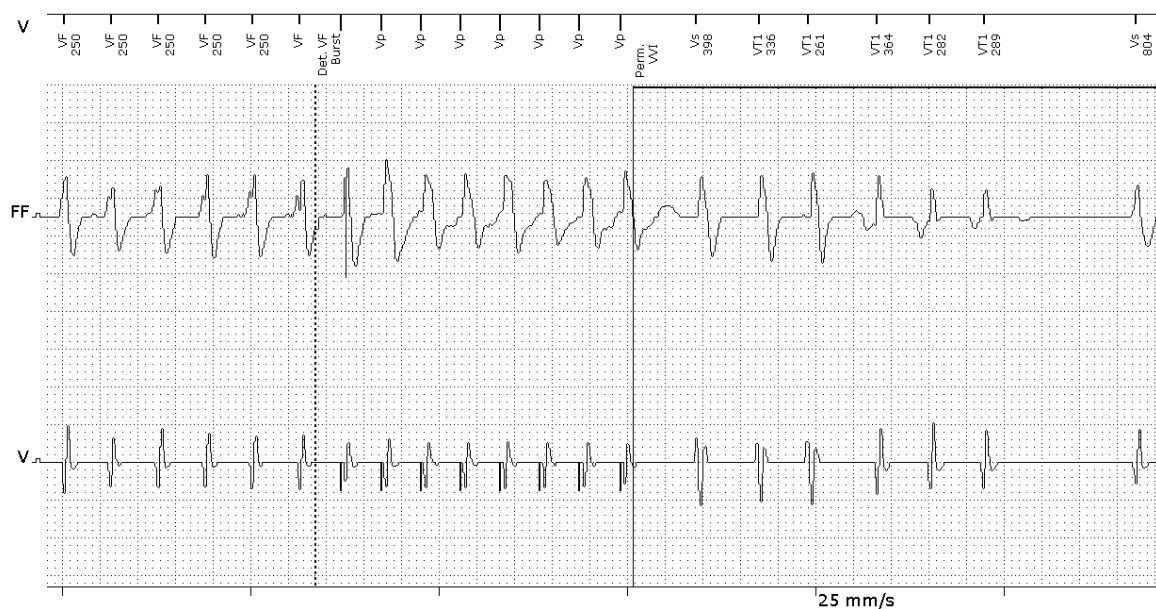
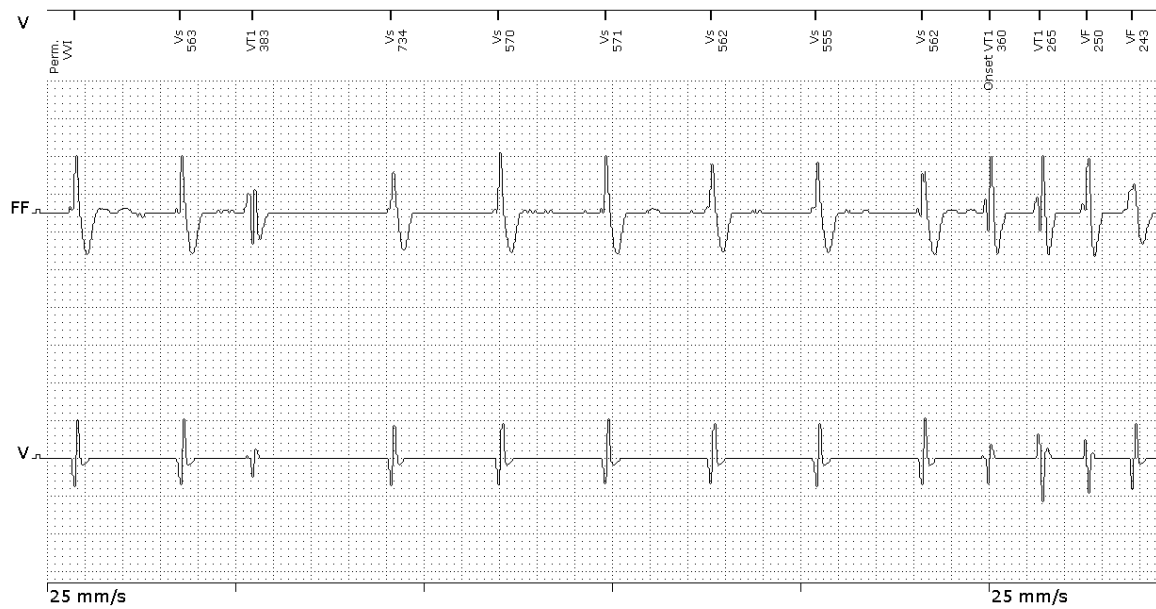
Follow-up on:

13/12/2016

12:27

## Recordings - IEGM

Episode:	413
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Patient Bambusek, Vladimir

Follow-up on:

Device Lumax 540 VR-T

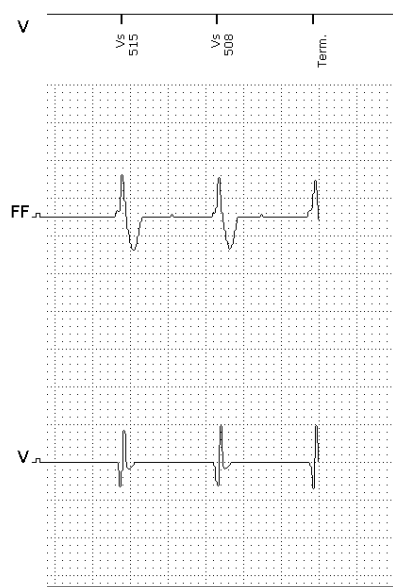
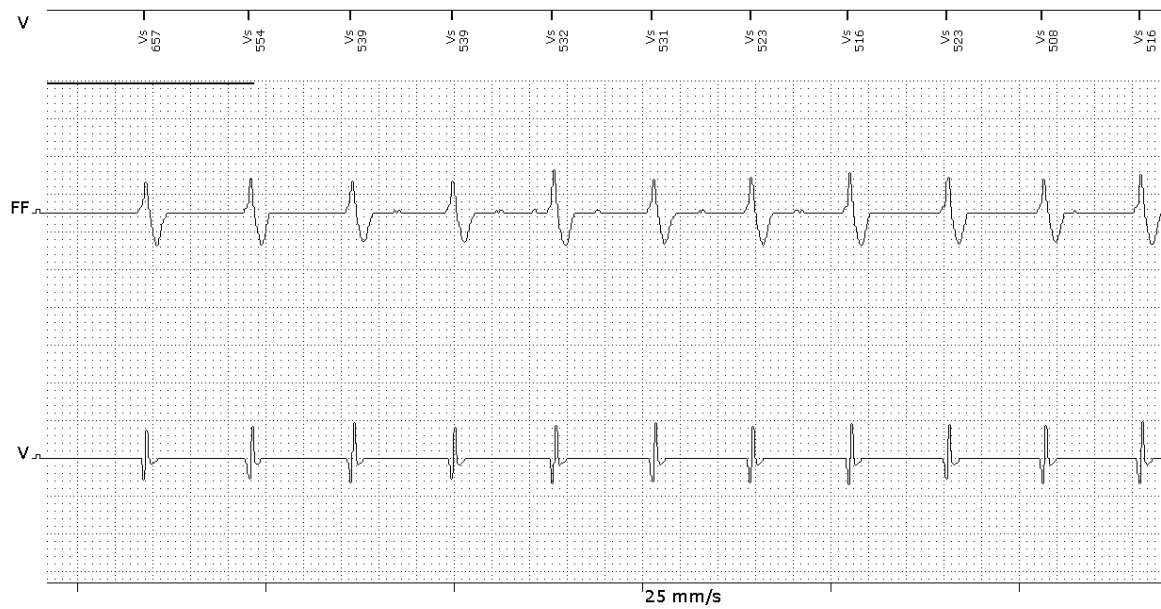
13/12/2016

S/N: 60483637 (PID 06)

12:27

## Recordings - IEGM

Episode: 413



Patient	Bambusek, Vladimir	Follow-up on:
Device	Lumax 540 VR-T	13/12/2016
S/N:	60483637 (PID 06)	12:37

#### Parameters - Overview

Mode	VVI
Basic rate [bpm]	40
	V
Pulse amplitude [V]	3.6
Pulse width [ms]	0.4

Tachycardia detection	Enabled
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#### Detection

Rate: VT1 [bpm]	154
Rate: VT2 [bpm]	OFF
Rate: VF [bpm]	231

#### Therapy

	1. ATP	2. ATP
VT1	2*Burst	2*Ramp
VT2		
VF	Burst	

	1st Shock	2nd shock	3rd-nth shock
VT1 [J]	40	40	6*40 J
VT2 [J]			
VF [J]	40	40	6*40 J

Progressive course of therapy	ON
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Patient	Bambusek, Vladimir	Follow-up on:
Device	Lumax 540 VR-T	13/12/2016
S/N:	60483637 (PID 06)	12:37

#### Parameters - Bradycardia

	Permanent	Post shock
Mode	VVI	VVI
Basic day/night rate		
Basic rate [bpm]	40	70
Night rate [bpm]	OFF	
Night begins		
Night ends		
Rate hysteresis		
Rate hysteresis [bpm]	OFF	OFF
Repetitive		
Scan		
Sensor		
Max. sensor rate [bpm]		
Sensor gain		
Auto-gain		
Sensor threshold		
Rate increase [bpm/cycle]		
Rate decrease [bpm/cycle]		
Post-shock duration [mm:ss]		00:30

Patient	Bambusek, Vladimir	Follow-up on:
Device	Lumax 540 VR-T	13/12/2016
S/N:	60483637 (PID 06)	12:37

#### Parameters - Bradycardia

	V
Pulse amplitude [V]	3.6
Pulse width [ms]	0.4
Sensing	Std.
Sensing details	
<b>Blanking</b>	
after RV pace [ms]	AUTO
<b>Thresholds</b>	
Upper threshold [%]	50
Hold of upper threshold [ms]	360
Lower threshold [%]	25
Post pace T-wave suppression	OFF
Minimum threshold [mV]	0.8

Patient	Bambusek, Vladimir	Follow-up on:
Device	Lumax 540 VR-T	13/12/2016
S/N:	60483637 (PID 06)	12:37

#### Parameters - Detection

	VT1	VT2	VF		
Rate [bpm]	154	OFF	231		
Detection counter	36		8	in	12
Redetection counter	30				
Onset [%]	20				
Stability [ms]	24				
Sustained VT [mm:ss]	OFF				

Patient	Bambusek, Vladimir	Follow-up on:
Device	Lumax 540 VR-T	13/12/2016
S/N:	60483637 (PID 06)	12:37

#### Parameters - VT1

Rate [bpm]	154
1st ATP	2*Burst
2nd ATP	2*Ramp
1st shock [J]	40
2nd shock [J]	40
3rd-nth shock	6*40 J

	1st ATP	2nd ATP
Number S1	5	6
Add S1	ON	ON
R-S1 interval [%]	80	80
S1 decrement [ms]		10
S1-S2 interval [%]		
Scan decrement [ms]	OFF	OFF
Minimum interval [ms]		200
ATP optimization		ON
ATP timeout [mm:ss]		OFF

	1st - nth shock
Confirmation	ON
Polarity	Normal
Waveform	Biphasic
Shock path	RV → Can+SVC



Patient	Bambusek, Vladimir	Follow-up on:
Device	Lumax 540 VR-T	13/12/2016
S/N:	60483637 (PID 06)	12:37

#### Parameters - VT2

Rate [bpm]	OFF	
1st ATP		
2nd ATP		
1st shock [J]		
2nd shock [J]		
3rd-nth shock		
	1st ATP	2nd ATP
Number S1		
Add S1		
R-S1 interval [%]		
S1 decrement [ms]		
S1-S2 interval [%]		
Scan decrement [ms]		
Minimum interval [ms]		
ATP optimization	ON	
ATP timeout [mm:ss]	OFF	
	1st - nth shock	
Confirmation		
Polarity		
Waveform		
Shock path	RV → Can+SVC	

Patient	Bambusek, Vladimir	Follow-up on:
Device	Lumax 540 VR-T	13/12/2016
S/N:	60483637 (PID 06)	12:37

#### Parameters - VF

Rate [bpm]	231
ATP type	Burst
1st shock [J]	40
2nd shock [J]	40
3rd-nth shock	6*40 J
Number S1	10
R-S1 interval [%]	85
S1 decrement [ms]	
S1-S2 interval [%]	

#### 1st - nth shock

Confirmation	ON
Polarity	Normal
Waveform	Biphasic
Shock path	RV → Can+SVC

Patient	Bambusek, Vladimir	Follow-up on:
Device	Lumax 540 VR-T	13/12/2016
S/N:	60483637 (PID 06)	12:37

#### Parameters - Patient

ID	641104/1076
Name	Bambusek
First name	Vladimir
Date of birth	04/11/1964
Gender	Male
Implantation	01/12/2010
Hospital, City	FN BRNO - BOHUNICE
Physician	MUDr. Sepsí
Phone	+420532232459
Symptom	Prophylactic indication
ECG indication	Ventricular fibrillation
Etiology	Myocardial infarction
LVEF [%]	36
NYHA	II

#### Remark

Slavikovice 43, 675 31 Jemnice

#### Leads

##### V

Lead position	Septum
Manufacturer	BIOTRONIK
Type	linox s 65
Serial number	10389580

Patient	Bambusek, Vladimir	Follow-up on:
Device	Lumax 540 VR-T	13/12/2016
S/N:	60483637 (PID 06)	12:37

#### Parameters - Diagnostics/HM

##### Home Monitoring

Home Monitoring	ON
Time of transmission [hh:mm]	01:00
IEGM for therapy episodes	ON
IEGM for monitoring episodes	ON
Periodic IEGM [Months]	3
Thoracic impedance	OFF

##### Recording episodes

For SVT	ON
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##### Statistics

Start rest. period [hh:mm]	02:00
Rest. period dur. [hh:mm]	04:00
Automatic impedance measurement	ON
Thoracic impedance	

##### Autom. threshold monitoring (ATM)

ATM RV	ON
--------	----

Patient	Bambusek, Vladimir	Follow-up on:
Device	Lumax 540 VR-T	13/12/2016
S/N:	60483637 (PID 06)	12:37

#### Status

#### Device

Software release	6.0.1
ICD	OK
PID	06

#### Home Monitoring

Type of message	Trend message
Last message	12/12/2016 02:01:18

#### Battery

Battery status	MOL2
Voltage [V]	3.01
Battery ID number	3

#### Shocks/Reforms

Total number of charges	31
-------------------------	----

	Last charge event	Last with max. energy
Energy [J]	40	40
Charge time [s]	Abort	Abort
Date	12/12/2016	12/12/2016
Time	17:46	17:46

Patient	Bambusek, Vladimir	Follow-up on:
Device	Lumax 540 VR-T	13/12/2016
S/N:	60483637 (PID 06)	12:37

#### Follow-up

Tachycardia detection Enabled

#### Patient

Name	Bambusek, Vladimir
Last follow-up	29/08/2016
Implantation	01/12/2010

#### ICD status

Mode	VVI
Basic rate [bpm]	40
Pulse amplitude V [V]	3.6
Pulse width V [ms]	0.4
VT1/VT2/VF [bpm]	154 / OFF / 231
Battery voltage [V]	3.01
Remaining battery capacity [%]	37
Battery status	MOL2
Last shock at maximum energy [s]	Abort, 12/12/2016
Program No.	11
Home Monitoring	ON

#### Test results

	V
Pacing impedance [ $\Omega$ ]	457
Shock impedance [ $\Omega$ ]	69
Sensing [mV]	12.0
Mean rate [bpm]	
Threshold [V]	0.6
Pulse width [ms]	0.4

#### Episodes

VT/VF 1 / 6