

Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:35

Follow-up	(1st interrogation)
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Tachycardia detection	Enabled
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Patient

Name	Sojka, Borivoj
Last follow-up	08/03/2017
Implantation	12/08/2016

Device status

Mode/Ven. pacing	DDDR / BiV
Basic rate/UTR [bpm]	75 / 130
Pulse amplitude A/RV/LV [V]	2.5 / 1.6 / 2.0
Pulse width A/RV/LV [ms]	0.4 / 0.4 / 0.5
VT1/VT2/VF [bpm]	162 / OFF / 214
Last charge time	9.3 s (40 J)
Battery voltage [V]	2.97
Remaining battery capacity [%]	100
Battery status	BOS
Program number	17
Home Monitoring	ON

Test results

	A	RV	LV
Sensing amplitude [mV]	1.3	6.5	
Mean rate [bpm]			
LV sensing polarity			
Pacing threshold [V]			
Pulse width [ms]			
LV pacing polarity			
Pacing impedance [Ω]	680	492	550
Shock impedance [Ω]		61	
LV pacing polarity		LV tip → LV ring	

Diagnostics

Pacing A/RV/CRT [%]	57 / 98 / 99
Atrial burden [%]	20.1

Episodes

New episodes SVT/VT/VF	---- / 14 / ----
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Alerts

- 30/08/17 Ven. episode with atr. acceleration
- 31/08/17 Ven. episode (> 3 in 24 h)
- More than 128 episodes

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Parameters - Overview		(1st interrogation)			
Mode		DDDR			
Basic rate [bpm]		75			
CLS [bpm]		OFF			
Max. sensor rate [bpm]		120			
Upper rate [bpm]		130/WKB			
Mode switching [bpm]		160 / DDIR			
Vp suppression		OFF			
Ventricular pacing		BiV/40			
AV delay [ms]		150 / 120			
Post-shock pacing		30 s			
		A	RV	LV	
Pulse amplitude [V]	⌘	2.5	⌘	1.6	2.0
Pulse width [ms]		0.4		0.4	0.5
Capture control		ON		ON	OFF
Sensing		Std.		Std.	Std.
Minimum threshold [mV]		0.2		0.8	1.6
Refractory period/Blanking		Std.			
		LV			
Pacing polarity		LV tip → LV ring			
Sensing polarity		BIPL			
Home Monitoring		ON			
Tachycardia detection		Enabled			

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Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:35

Parameters - Overview		(1st interrogation)	
Detection			
AT/AF rate [bpm]		200	
VT1 rate [bpm]		162	
VT2 rate [bpm]		OFF	
VF rate [bpm]		214	
Therapy		1. ATP	2. ATP
AT/AF	
VT1		2*Burst	2*Ramp
VT2			
VF		Burst	
		1st shock	2nd shock
VT1 [J]		40	40
VT2 [J]			
VF [J]		40	40
ATP optimization		ON	
Shock details		Standard	

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Parameters - Tachycardia		(1st interrogation)
AT/AF rate [bpm]		200
AT/AF therapy		
AT (stable): ATP		
ATP type		OFF
Number S1		
P-S1 interval [%]		
S1 decrement [ms]		
Mode		
AF (unstable): HF burst		
Therapy		OFF
Rate [Hz]		
Duration [s]		
Mode		
Backup stimulation [bpm]		

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Parameters - Tachycardia	(1st interrogation)
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Tachycardia detection	Enabled
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Ventricular detection	VT1	VT2	VF
Rate [bpm]	162	OFF	214
Detection counter	28		18 out of 24
Redetection counter	26		8 out of 12
SMART detection	ON		
Onset [%]	20		
Stability [%]	12		
Sustained VT [min]			

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

VT1 ATPs	1. ATP	2. ATP
Attempts	2	2
ATP type	Burst	Ramp
Ventricular pacing	RV	RV
Number S1	5	6
Add S1	ON	ON
R-S1 interval [%]	85	85
S1 decrement [ms]		10
Scan decrement [ms]	OFF	OFF

VT2 ATPs	1. ATP	2. ATP
Attempts		
ATP type		
Ventricular pacing		
Number S1		
Add S1		
R-S1 interval [%]		
S1 decrement [ms]		
Scan decrement [ms]		

VF therapy: ATP One Shot

ATP type	Burst
Ventricular pacing	RV
Number S1	8
R-S1 interval [%]	85
S1 decrement [ms]	

ATP optimization	ON
Shock details	Standard

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Parameters - Tachycardia	(1st interrogation)
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Shock details	VT1	VT2	VF
Confirmation	ON		ON
Polarity	Normal		Normal
Waveform	Biphasic		Biphasic
Shock path	RV → Can+SVC		

Patient	Sojka, Borivoj	Follow-up on:
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Parameters - Bradycardia/CRT		(1st interrogation)
Mode		DDDR
Basic rate		
Basic rate [bpm]		75
Rate hysteresis [bpm]		OFF
Scan/Repetitive		
Night rate [bpm]		OFF
Night begins		
Night ends		
CLS [bpm]		OFF
Max. sensor rate		
Max. sensor rate [bpm]		120
Sensor gain		Medium
Sensor threshold		Medium
Rate increase [bpm/cycle]		2
Rate decrease [bpm/cycle]		0.5
Upper rate		
Upper rate [bpm]		130
Upper rate response		WKB
Wenckebach response of [bpm]		130-160
Atrial upper rate [bpm]		200
Mode switching		
Intervention rate [bpm]		160
Mode		DDIR
Ventricular pacing		BiV
Change of basic rate [bpm]		+10
Post ModeSw rate [bpm]		+10
Post ModeSw duration [min]		1
Onset criterion [out of 8]		5
Resolution criterion [out of 8]		7
Vp suppression		OFF

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Parameters - Bradycardia/CRT	(1st interrogation)
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Ventricular pacing	Permanent	ModeSw	Post shock
Ventricular pacing	BiV	BiV	RV
Triggering	RVs	RVs	
LV T-wave protection	ON	ON	
Maximum trigger rate [bpm]		130	
Initially paced chamber		LV	
VV delay after Vp [ms]		40	

AV delay			
AV delay after pace [ms]		150	120
AV delay after sense [ms]		110	80
at rate [bpm]		60	130
Sense compensation [ms]			-40
AV hysteresis mode			OFF
AV hysteresis [ms]			
AV scan/repetitive			
AV dynamics			Low

Post-shock pacing			
Duration			30 s
Mode			DDI
Basic rate [bpm]			70
AV delay [ms]			140
Ventricular pacing			RV

	A	RV	LV
Pulse amplitude [V]	2.5	1.6	2.0
Pulse width [ms]	0.4	0.4	0.5

Capture control	A	RV	LV
Capture control	ON	ON	OFF
Threshold test start [V]	3.5	3.5	
Min. amplitude [V]	1.0	1.0	
Safety margin [V]	1.0	1.0	
Status	Pending	Pending	
Last measured threshold [V]	1.5	0.6	
Date	25/07/2017	10/08/2017	
Time	01:03	01:05	
Note RA	Search delayed by mode switching.		
Note RV	Search delayed by mode switching.		
Note LV			

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Parameters - Bradycardia/CRT	(1st interrogation)
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Sensing	A	RV	LV
Sensing	Std.	Std.	Std.
Thresholds			
Upper threshold [%]		50	50
Upper threshold duration after sens. [ms]		350	350
Upper threshold duration after pacing [ms]		400	400
Lower threshold RV [%]		25	
Post pace T-wave suppression		OFF	
Blanking			
after atrial pace [ms]		50	100
after RV pace [ms]			80
after LV pace [ms]		80	
	A	RV	LV
Minimum threshold [mV]	0.2	0.8	1.6
Refractory period/Blanking			Std.
Refractory period/Blanking			
PVARP [ms]			225
Wenckebach response of [bpm]			130-160
PVARP extension			ON
PVARP after PVC [ms]			375
Far-field protection after Vs [ms]			75
Far-field protection after Vp [ms]			75
PMT detection/termination			ON
VA criterion [ms]			350
		LV	
Pacing polarity		LV tip → LV ring	
Sensing polarity		BIPL	

Patient	Sojka, Borivoj	Follow-up on:
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Parameters - Home Monitoring	(1st interrogation)
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General settings

Home Monitoring	ON
Time of transmission [hh:mm]	Std.
IEGM for therapy episodes	ON
IEGM for monitoring episodes	ON
Ongoing atrial episode	12 h

Last message

Message type	Trend message
Date	28/08/2017
Time	01:34
PID	88

Patient	Sojka, Borivoj	Follow-up on:
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Parameters - Diagnostics	(1st interrogation)
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Recording episodes

For AT/AF	ON
For SVT	ON
Periodic recording [days]	see HMSC
IEGM configuration	RA, RV, LV

Statistics

Start resting period [hh:mm]	02:00
Resting period duration [h]	4.0
AV delay adj. sensing test [ms]	300
Thoracic impedance	OFF

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Parameters - Patient		(1st interrogation)
ID	550603/2444	
Name	Sojka	
First name	Borivoj	
Date of birth	03/06/1955	
Gender	M	
Implantation	12/08/2016	
Hospital, City	FN BRNO - BOHUNICE	
Physician	MUDr. Kozak	
Phone	+420532232459	
Symptom	Cardiovascular arrest	
ECG indication	Ventricular fibrillation	
Etiology	Dilative cardiomyopathy (non-ischemic)	
LVEF [%]	20	
NYHA	III	
Remark		

Leads

Lead model	Manufacturer	Serial number	Polarity	Implantation	Channels	
ProtegoDF1mriSD65/16	Biotronik	10611131	Quad	12/08/2016	RV	RV+SVC
Solia S 53	Biotronik	49249728	BIPL	12/08/2016	RA	
CoroxMRI OTW-L 75-BP	Biotronik	25173308	BIPL	12/08/2016	LV	
				XX/XX/XXXX		

Patient Sojka, Borivoj

Device Itrevia 7 HF-T

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Follow-up on:

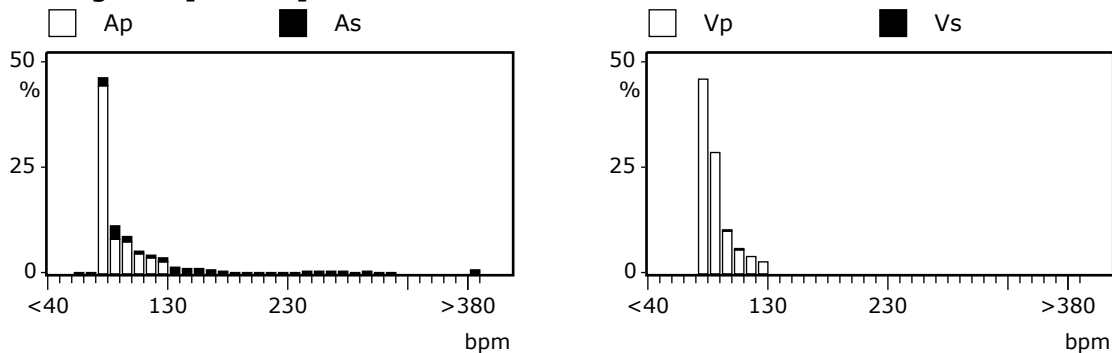
04/09/2017

07:35

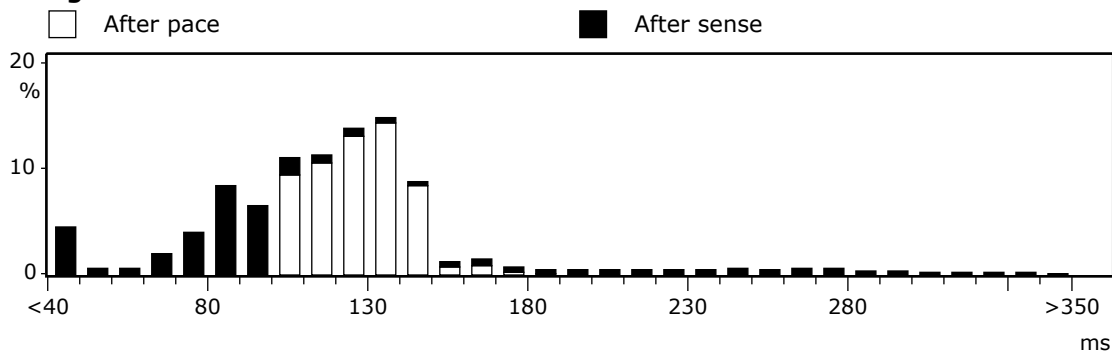
Diagnostics - Timing

(1st interrogation)

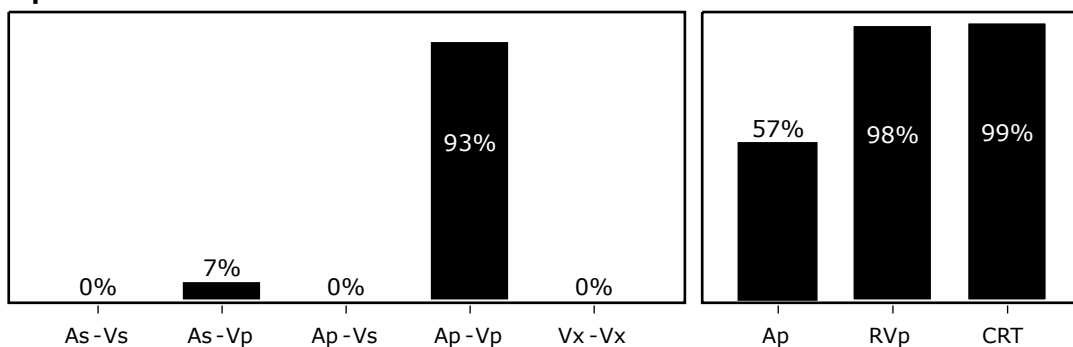
Rate histograms [% time]



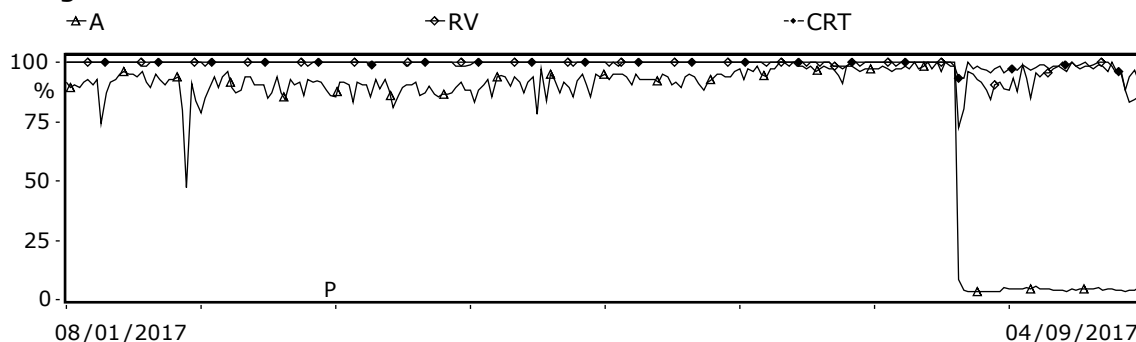
AV histogram



Event episodes and events



Pacing trends



Patient Sojka, Borivoj

Device Itrevia 7 HF-T

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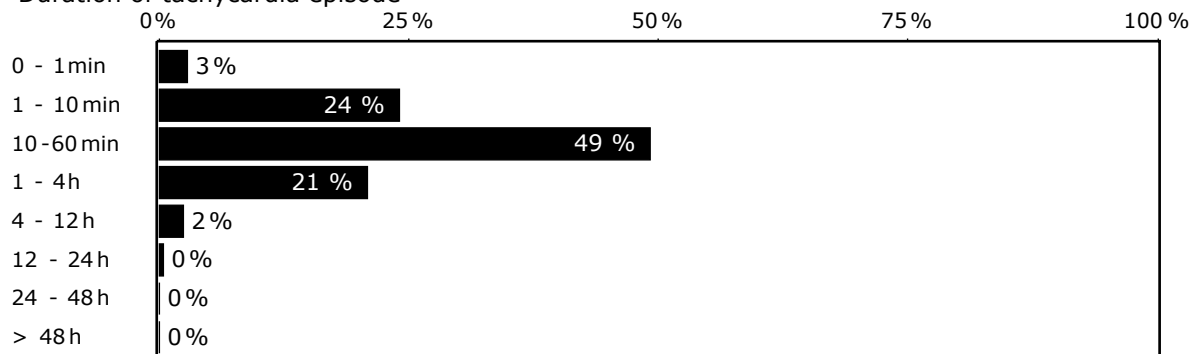
Diagnostics - Arrhythmia A

(1st interrogation)

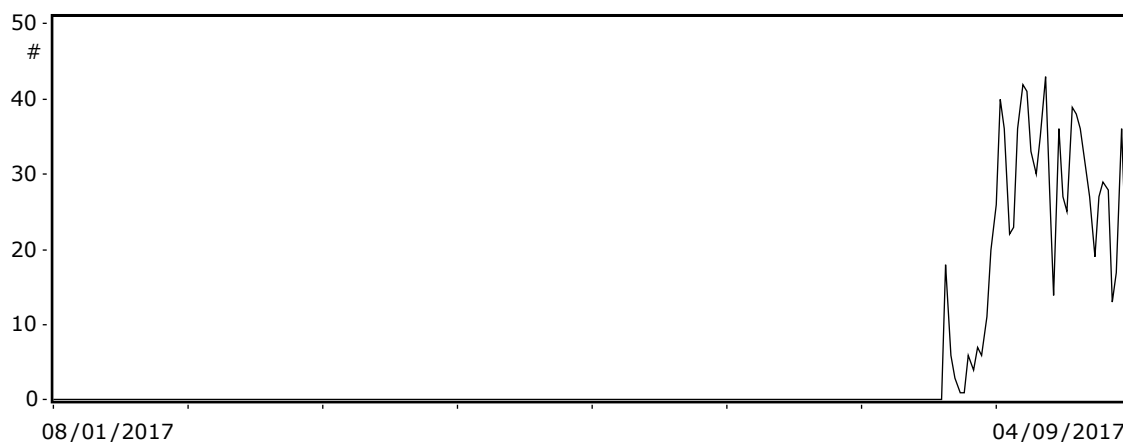
Atrial burden

Total number of episodes	981
Atrial arrhythmia burden [%]	20.1

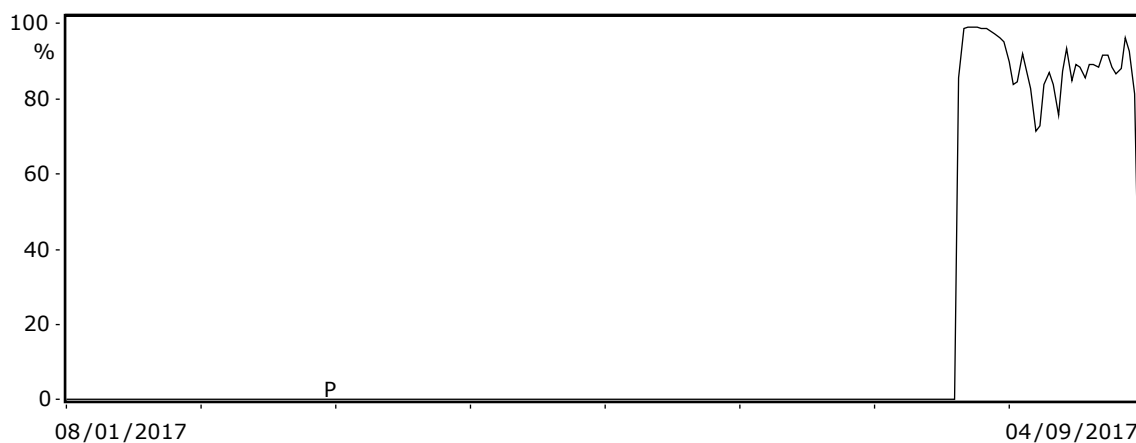
Duration of tachycardia episode



Tachy-episodes/24 h



Stress duration



Patient Sojka, Borivoj

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Follow-up on:

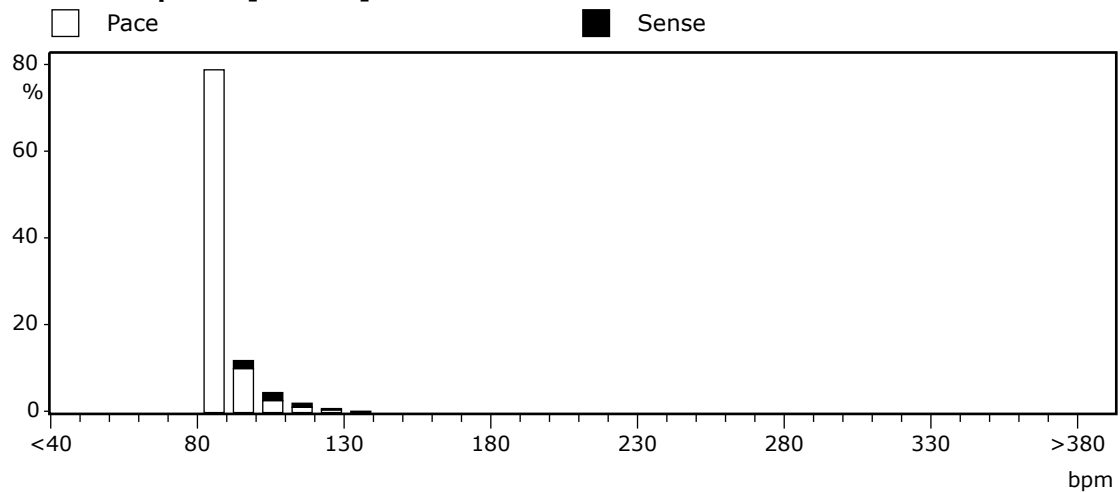
04/09/2017

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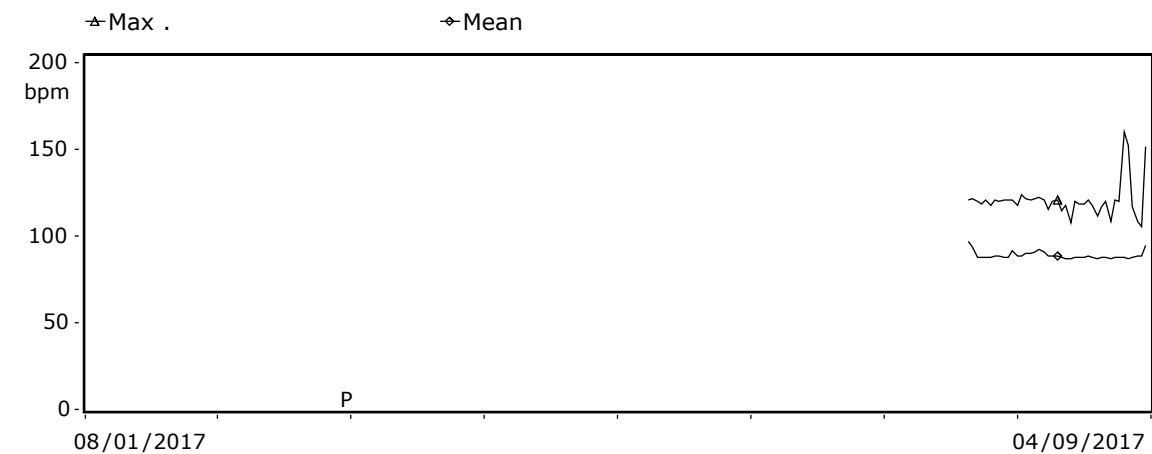
Diagnostics - Arrhythmia A

(1st interrogation)

Ventricular response [% time]



Rate



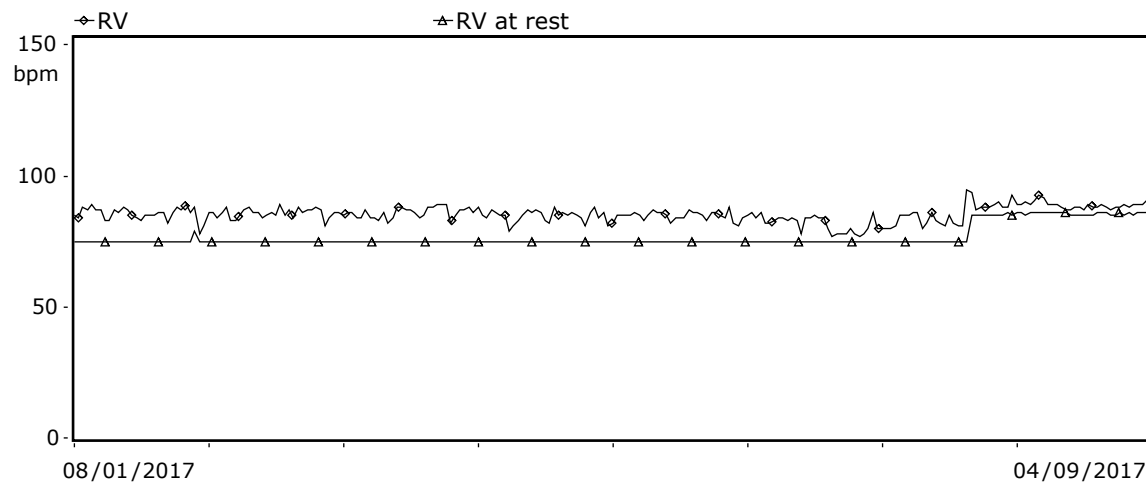
Patient Sojka, Borivoj
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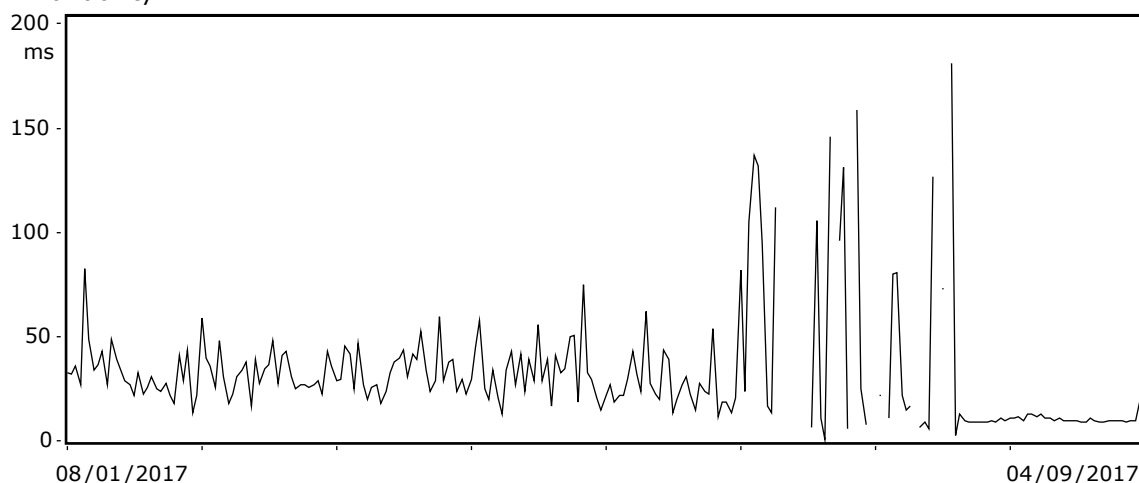
Diagnostics - HF monitor

(1st interrogation)

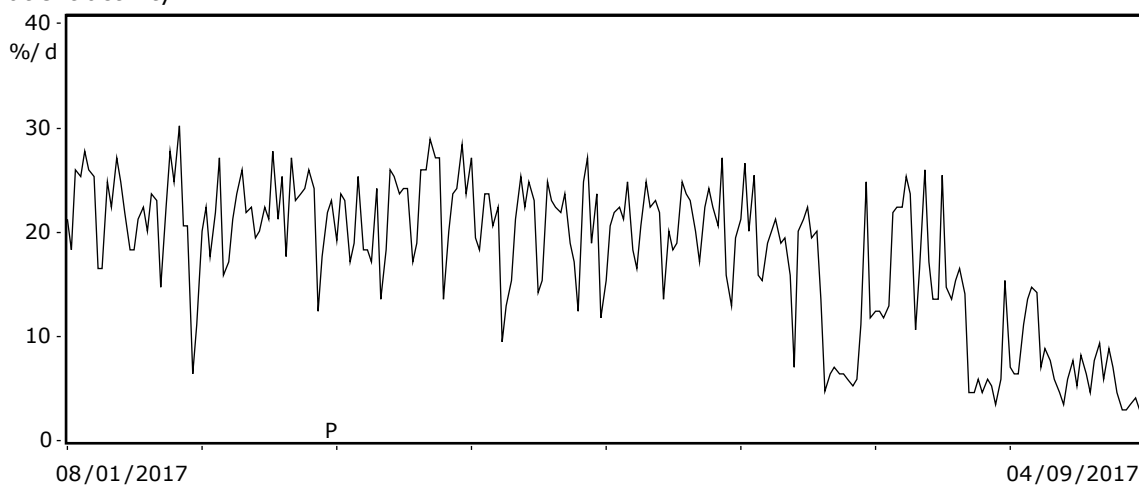
Rate



HR variability



Patient activity

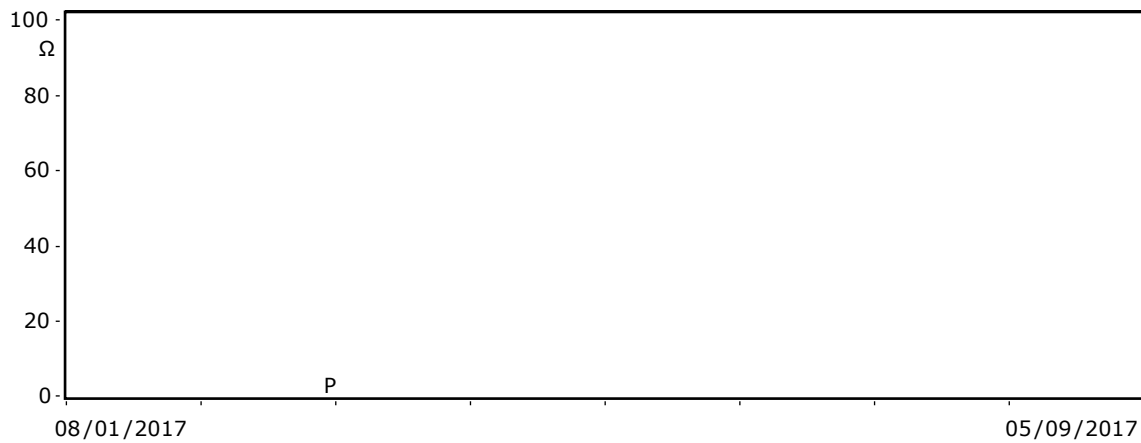


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Diagnostics - HF monitor

(1st interrogation)

Thoracic impedance



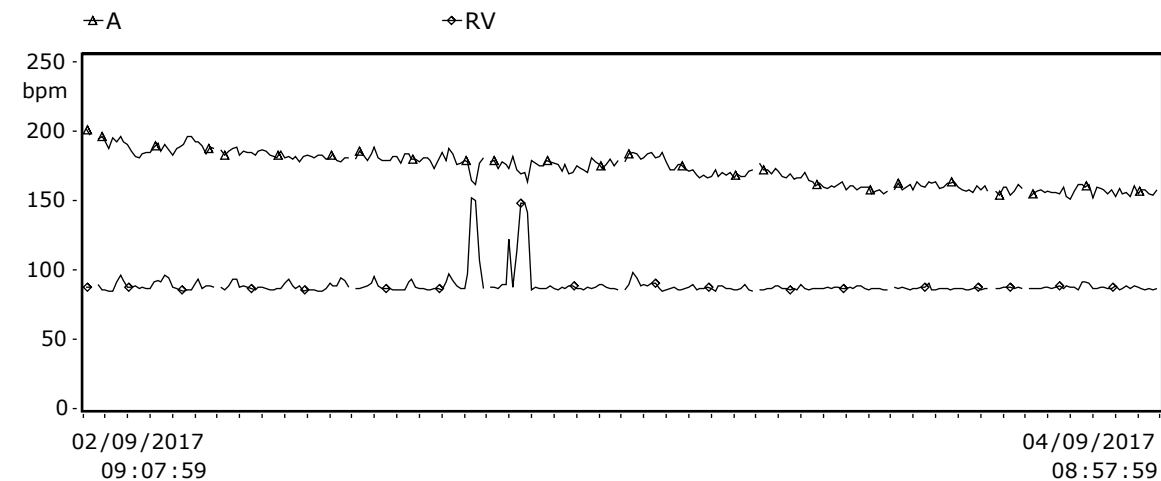
Patient Sojka, Borivoj
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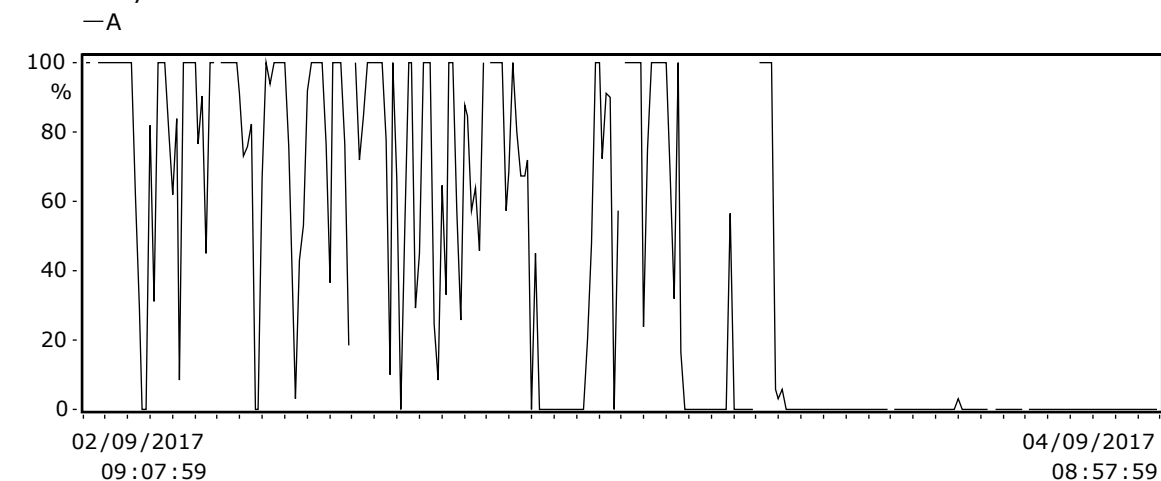
Diagnostics - 48 hours

(1st interrogation)

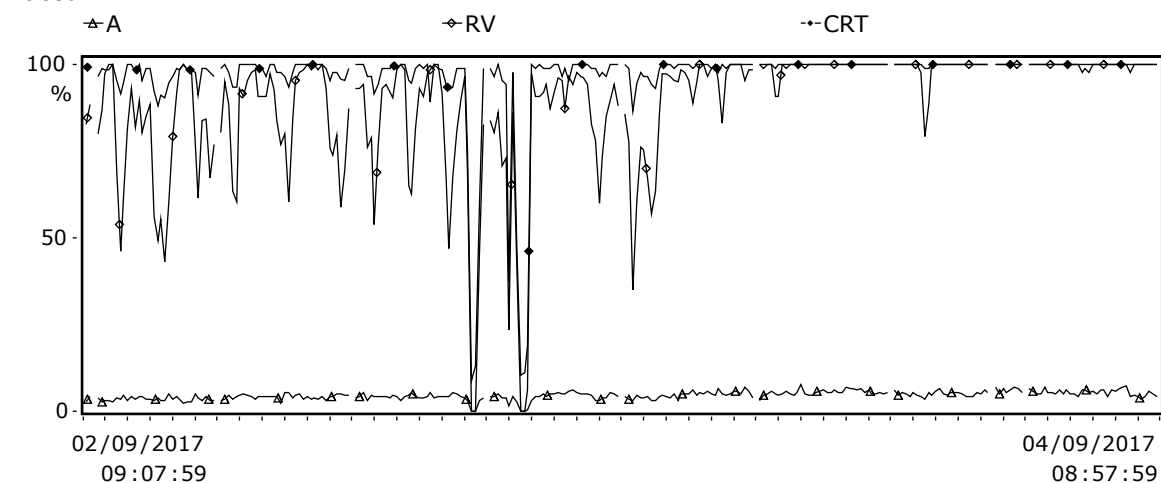
Rate



Atrial arrhythmia burden



Paced



Patient Sojka, Borivoj

Device Itrevia 7 HF-T

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Follow-up on:

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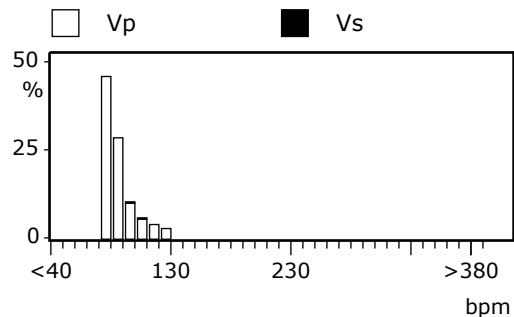
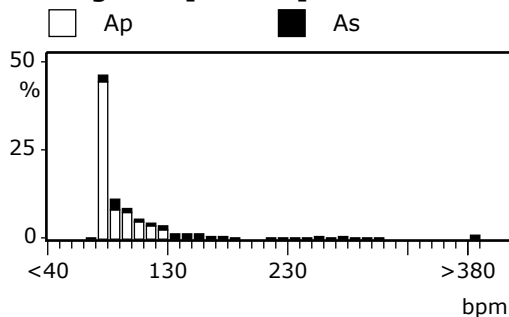
07:35

Follow-up - Details

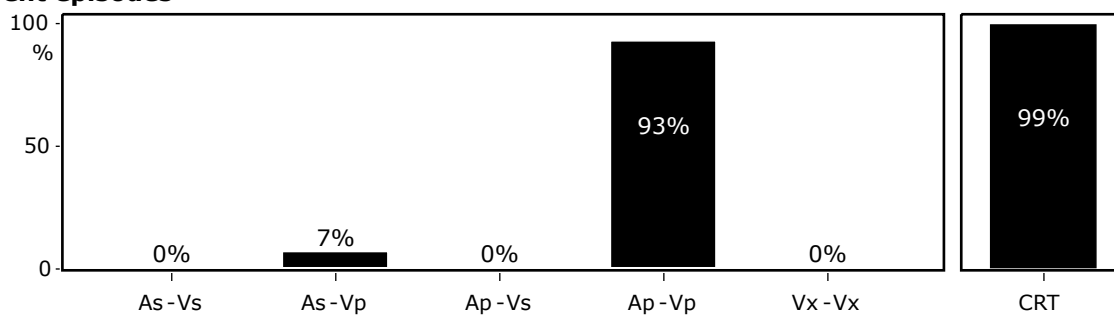
Histogram duration: 179 days

st interrogation)

Rate histograms [% time]



Event episodes



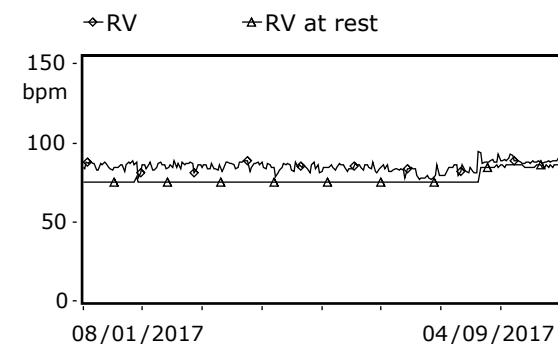
Longest atrial episode

Longest atrial episode [hh:mm]

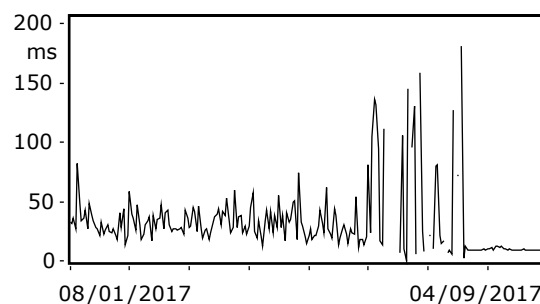
06:20

Long-term trends

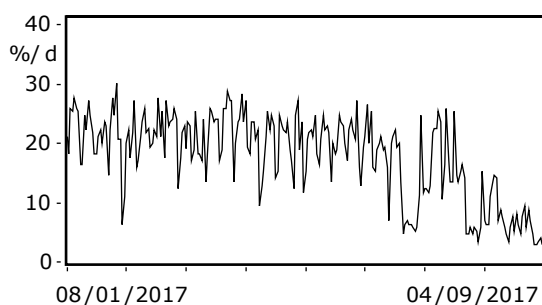
Rate



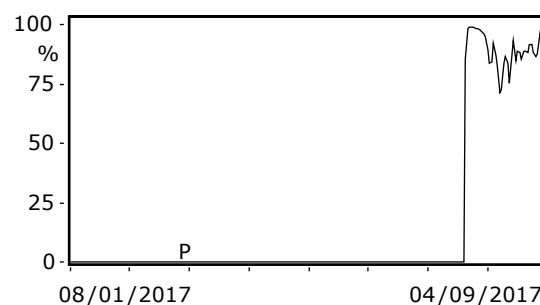
HR variability



Patient activity



AT/AF burden



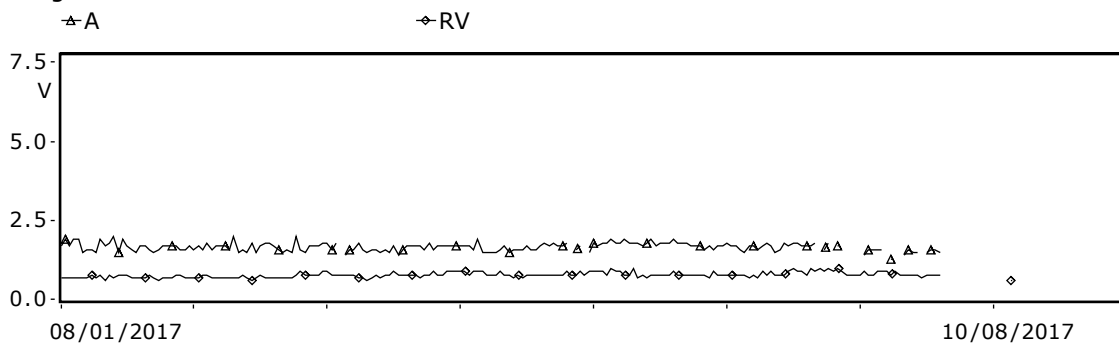
Patient Sojka, Borivoj
Device Itrevia 7 HF-T
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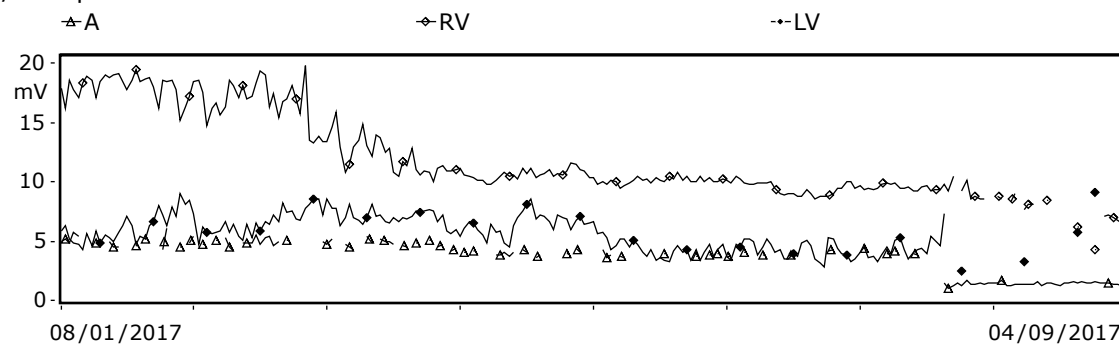
Follow-up - Trends

(1st interrogation)

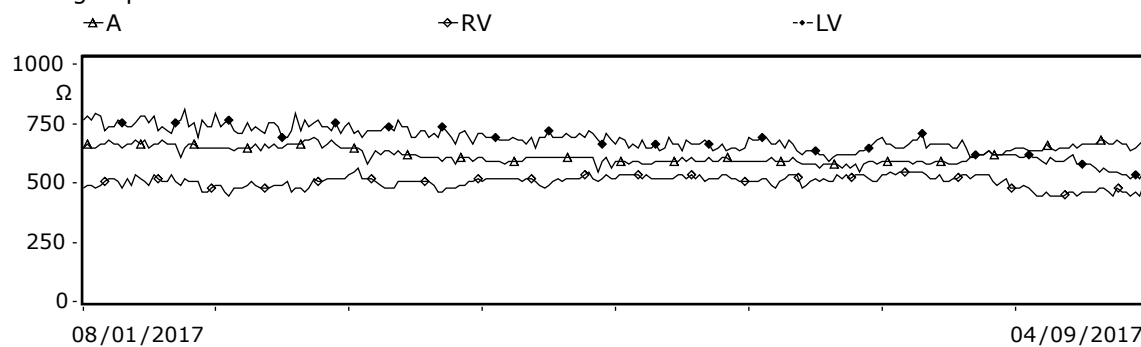
Pacing threshold



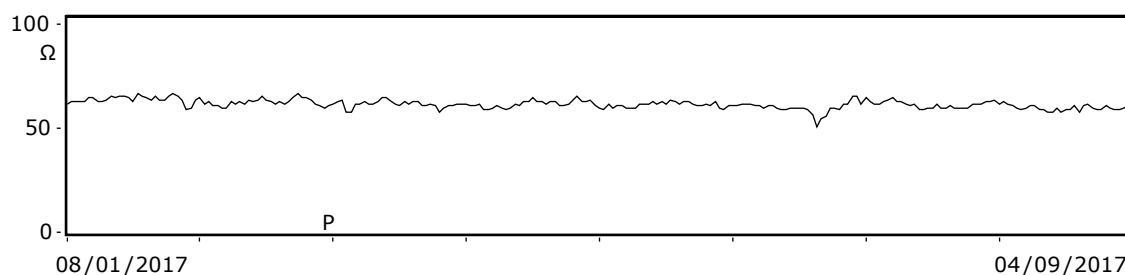
P/R amplitude



Pacing impedance



Shock impedance



Patient Sojka, Borivoj

Follow-up on:

Device Itrevia 7 HF-T

04/09/2017

S/N: 60869314 (PID: 88)

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Recordings - Shocks

No.	Time	Energy [J]	Charge time [s]	Impedance [Ω]	Description
7	24/06/17 18:23	40	9.3	40	
6	29/05/17 01:13	40	9.4	***	Automatic cap reform
5	28/02/17 01:13	40	9.3	***	Automatic cap reform
4	30/11/16 01:13	40	8.8	***	Automatic cap reform
3	01/09/16 01:13	40	8.4	***	Automatic cap reform
2	12/08/16 09:17	30	6.0	43	
1	12/08/16 09:17	30	***	***	Termination without shock

Total number of charges

7

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Recordings - Counter

Detections since last follow-up

Zone	Atr. mon.	Atr. ther.	SVT	VT1 mon.	VT1 ther.	VT2	VF
Number	981	0	0	0	72	0	1
SVT details			AFlut	AFib	SinusT	1:1	
Number			0	0	0	0	

Detections since implantation

Zone	Atr. mon.	Atr. ther.	SVT	VT1 mon.	VT1 ther.	VT2	VF
Number	981	0	0	0	72	0	1
SVT details			AFlut	AFib	SinusT	1:1	
Number			0	0	0	0	

Therapy since last follow-up

	Successful	Unsuccessful
ATP in AT/AF	0	0
HF burst in AT/AF	0	0
ATP in VT	72	0
ATP One Shot	0	1
Shock	1	0

Therapy since implantation

	Delivered
ATP in AT/AF	0
HF burst in AT/AF	0
ATP in VT	72
ATP One Shot	1
Shock	1

Patient Sojka, Borivoj

Device Itrevia 7 HF-T

S/N: 60869314 (PID: 88)

Follow-up on:

04/09/2017

07:35

Recordings - Episodes

No.	Time	Zone	PP [ms]	RR [ms]	Description	PP [ms]	RR [ms]
1059	03/09/17 23:58	ATR	205	698		333	698
1058	03/09/17 16:05	ATR	254	698		446	698
1057	03/09/17 15:05	ATR	202	698		488	575
1056	03/09/17 13:46	ATR	226	698		392	530
1055	03/09/17 11:22	ATR	330	659		411	526
1054	03/09/17 10:08	ATR	286	626		381	661
1053	03/09/17 08:50	ATR	300	698		528	569
1052	03/09/17 08:16	ATR	425	698		342	481
1051	03/09/17 07:41	ATR	251	666		433	469
1050	03/09/17 07:27	ATR	176	698		459	458
1049	03/09/17 05:11	ATR	231	684		455	500
1048	03/09/17 05:07	ATR	251	698		504	525
1047	03/09/17 04:41	ATR	231	400		407	404
1046	03/09/17 04:38	ATR	284	398		481	399
1045	03/09/17 04:23	ATR	229	399		484	398
1044	03/09/17 03:59	ATR	286	635		396	392
1043	03/09/17 02:41	ATR	194	657		340	688
1042	03/09/17 02:20	ATR	231	393		492	398
1041	03/09/17 02:04	ATR	289	698		432	387
1040	03/09/17 01:53	ATR	271	698		509	498
1039	03/09/17 01:14	ATR	216	702		455	506
1038	03/09/17 00:59	ATR	209	698		398	582
1037	03/09/17 00:51	ATR	229	698		479	469
1036	03/09/17 00:01	ATR	288	698		431	473
1035	02/09/17 23:20	ATR	228	698		385	482
1034	02/09/17 22:45	ATR	271	674		439	458
1033	02/09/17 21:34	ATR	229	675		460	458
1032	02/09/17 21:22	ATR	374	698		383	475
1031	02/09/17 20:59	ATR	296	698		394	493
1030	02/09/17 20:39	ATR	205	708		379	527
1029	02/09/17 20:03	ATR	229	643		366	470
1028	02/09/17 19:48	ATR	226	698		354	482
1027	02/09/17 18:59	ATR	229	698		440	552
1026	02/09/17 18:50	ATR	249	698		464	505
1025	02/09/17 18:35	ATR	228	698		414	497
1024	02/09/17 18:15	ATR	146	657		285	614
1023	02/09/17 17:20	ATR	168	698		475	471
1022	02/09/17 16:59	ATR	284	698		460	698
1021	02/09/17 16:18	ATR	224	708		590	609
1020	02/09/17 15:59	ATR	250	698		388	525
1019	02/09/17 14:34	ATR	244	611		481	458
1018	02/09/17 14:29	ATR	255	698		388	548
1017	02/09/17 14:16	ATR	325	708		461	496
1016	02/09/17 13:25	ATR	233	698		317	499

Patient Sojka, Borivoj

Device Itrevia 7 HF-T

S/N: 60869314 (PID: 88)

Follow-up on:

04/09/2017

07:35

Recordings - Episodes

No.	Time	Zone	PP [ms]	RR [ms]	Description	PP [ms]	RR [ms]
1015	02/09/17 12:59	ATR	249	678		428	694
1014	02/09/17 12:12	ATR	205	660		474	458
1013	02/09/17 11:57	ATR	267	698		380	583
1012	02/09/17 11:24	ATR	226	698		441	505
1011	02/09/17 09:29	VT1	416	350	1 ATP	200	698
1010	02/09/17 08:42	VT1	476	339	1 ATP	244	698
1009	02/09/17 08:10	ATR	198	698		476	339
1008	02/09/17 06:27	ATR	208	592		500	697
1007	02/09/17 06:14	ATR	266	698		506	504
1006	02/09/17 05:56	ATR	231	698		254	551
1005	02/09/17 05:24	ATR	206	698		536	506
1004	02/09/17 04:36	VT1	293	365	1 ATP	267	708
1003	02/09/17 03:17	ATR	289	687		293	365
1002	02/09/17 02:55	ATR	238	626		465	458
1001	02/09/17 02:26	ATR	246	698		358	465
1000	02/09/17 01:30	ATR	228	698		454	458
999	02/09/17 00:24	ATR	205	698		435	458
998	02/09/17 00:04	ATR	278	698		438	525
997	01/09/17 23:11	ATR	303	568		449	458
996	01/09/17 22:52	ATR	223	698		484	458
995	01/09/17 22:43	VT1	458	365	1 ATP	357	698
994	01/09/17 22:19	ATR	226	698		414	491
993	01/09/17 21:46	ATR	224	698		406	545
992	01/09/17 21:36	ATR	270	698		654	697
991	01/09/17 21:15	ATR	195	698		438	701
990	01/09/17 20:32	ATR	313	610		451	458
989	01/09/17 19:28	ATR	228	698		311	567
988	01/09/17 19:19	VT1	514	369	1 ATP	330	698
987	01/09/17 19:17	VT1	596	364	1 ATP	341	694
986	01/09/17 19:11	ATR	207	698		596	364
985	01/09/17 18:10	VT1	489	367	1 ATP	310	698
984	01/09/17 14:41	ATR	188	679		489	367
983	01/09/17 13:04	VT1	329	361	1 ATP	290	602
982	01/09/17 10:20	ATR	229	582		329	361
981	01/09/17 03:51	ATR	216	690		433	537
980	01/09/17 02:58	ATR	184	698		470	578
979	01/09/17 02:32	ATR	230	663		459	479
978	31/08/17 22:50	VT1	682	362	1 ATP	266	687
977	31/08/17 21:55	ATR	208	698		682	362
976	31/08/17 20:45	VT1	606	359	1 ATP	325	578
975	31/08/17 20:23	ATR	215	588		606	359
974	31/08/17 19:02	ATR	233	608		415	550
973	31/08/17 19:00	ATR	198	682		333	469
972	31/08/17 18:58	VT1	279	356	1 ATP	306	698

Patient Sojka, Borivoj

Device Itrevia 7 HF-T

S/N: 60869314 (PID: 88)

Follow-up on:

04/09/2017

07:35

Recordings - Episodes

No.	Time	Zone	PP [ms]	RR [ms]	Description	PP [ms]	RR [ms]
971	31/08/17 18:20	ATR	220	698		464	458
970	31/08/17 17:35	VT1	355	361	1 ATP	229	698
969	31/08/17 17:05	ATR	147	698		355	361
968	31/08/17 16:49	ATR	238	698		303	479
967	31/08/17 16:43	ATR	222	671		264	525
966	31/08/17 16:40	ATR	221	663		473	490
965	31/08/17 15:19	ATR	191	698		369	495
964	31/08/17 11:47	ATR	224	698		437	471
963	31/08/17 10:58	ATR	227	617		391	482
962	31/08/17 07:59	VT1	391	325	1 ATP	217	624
961	31/08/17 03:36	ATR	211	698		391	325
960	30/08/17 23:26	ATR	290	698		403	563
959	30/08/17 18:25	ATR	210	698		356	505
958	30/08/17 18:10	ATR	404	698		451	592
957	30/08/17 17:21	VT1	473	362	1 ATP	317	532
956	30/08/17 15:34	ATR	192	698		473	362
955	30/08/17 15:14	ATR	156	698		405	487
954	30/08/17 14:26	ATR	215	698		447	535
953	30/08/17 13:58	ATR	246	698		435	494
952	30/08/17 12:11	ATR	298	698		439	470
951	30/08/17 11:37	ATR	253	698		483	458
950	30/08/17 10:30	ATR	217	698		369	602
949	30/08/17 09:38	ATR	224	698		472	458
948	30/08/17 09:23	ATR	192	698		401	501
947	30/08/17 08:55	ATR	304	652		458	486
946	30/08/17 08:22	ATR	313	698		478	483
945	30/08/17 08:12	ATR	221	698		439	479
944	30/08/17 06:38	ATR	345	698		462	458
943	30/08/17 05:51	ATR	231	698		537	469
942	30/08/17 05:15	ATR	294	698		400	484
941	30/08/17 05:10	ATR	282	698		439	458
940	30/08/17 04:54	ATR	211	698		468	458
939	30/08/17 04:45	ATR	306	698		515	503
938	30/08/17 04:14	ATR	211	698		506	517
937	30/08/17 03:51	ATR	204	698		513	474
936	30/08/17 03:14	ATR	236	698		470	458
935	30/08/17 02:55	ATR	220	663		463	469
934	30/08/17 02:16	ATR	219	698		425	501
933	30/08/17 01:56	ATR	223	698		437	506
932	30/08/17 01:39	ATR	158	399		444	573

Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:36

Recordings - Details	Episode: 1011
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EGM of episode No.	1011
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Detection

Zone	VT1
Measured Onset in V [%]	(fulfilled) 47
Measured stability in V [ms]	2

	VT1	VT2	VF
Redetections	0	0	0

Therapy

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

Times

Detection	02/09/2017 09:29:47
Termination	02/09/2017 09:29:57
Duration	0:00:10

Program No.	17
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Remark

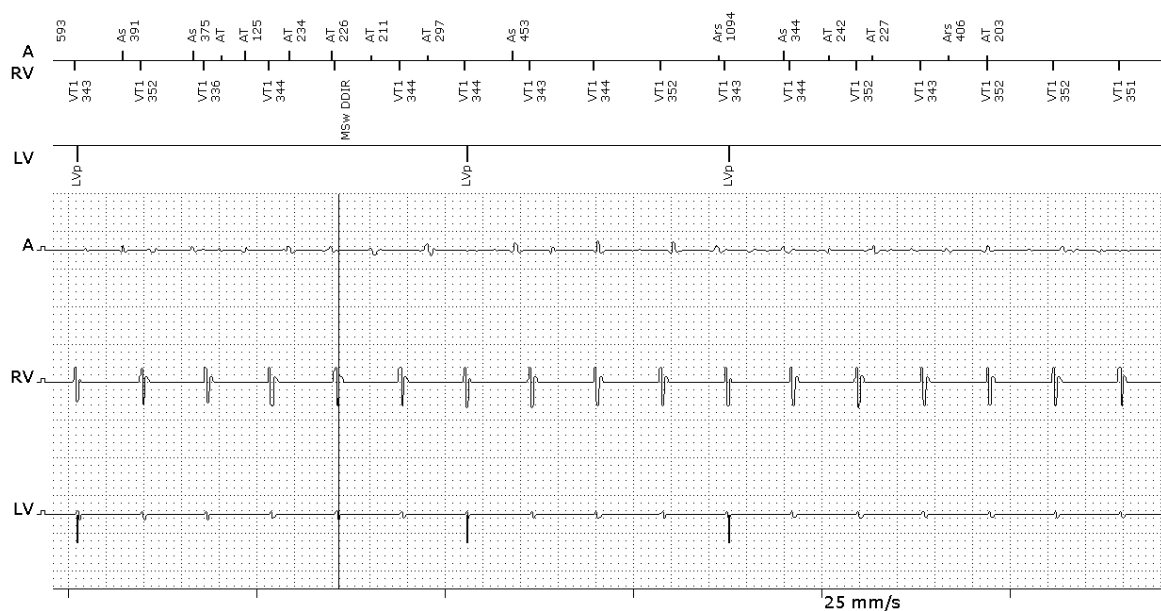
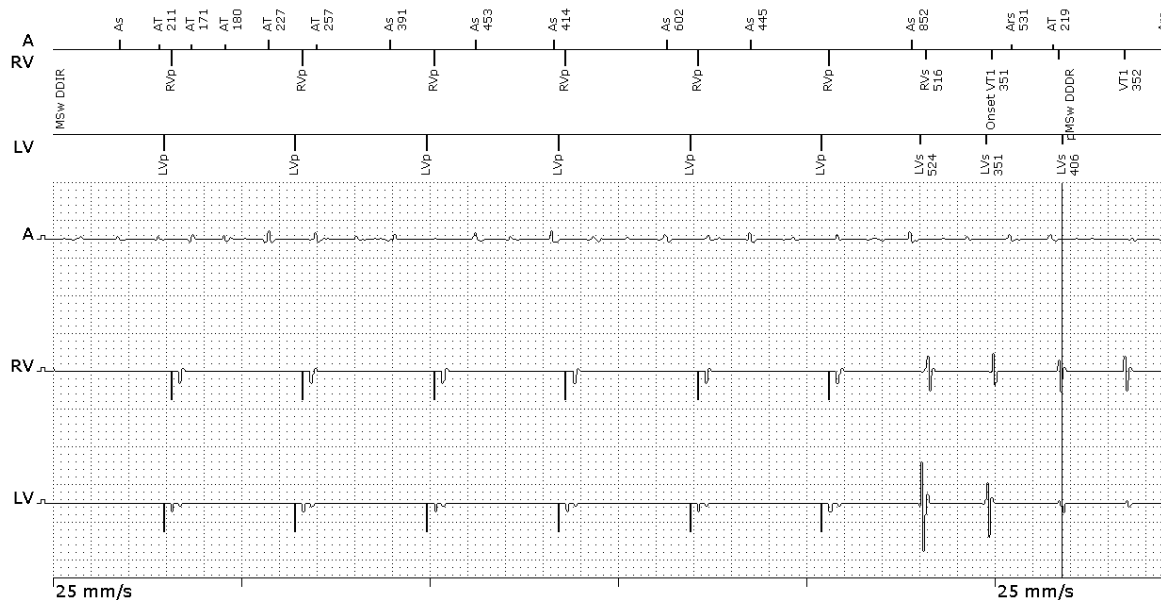
ATP optimization in VT1

Patient Sojka, Borivoj
Device Itrevia 7 HF-T
S/N: 60869314 (PID: 88)

Follow-up on:
04/09/2017
07:36

Recordings - IEGM

Episode: 1011

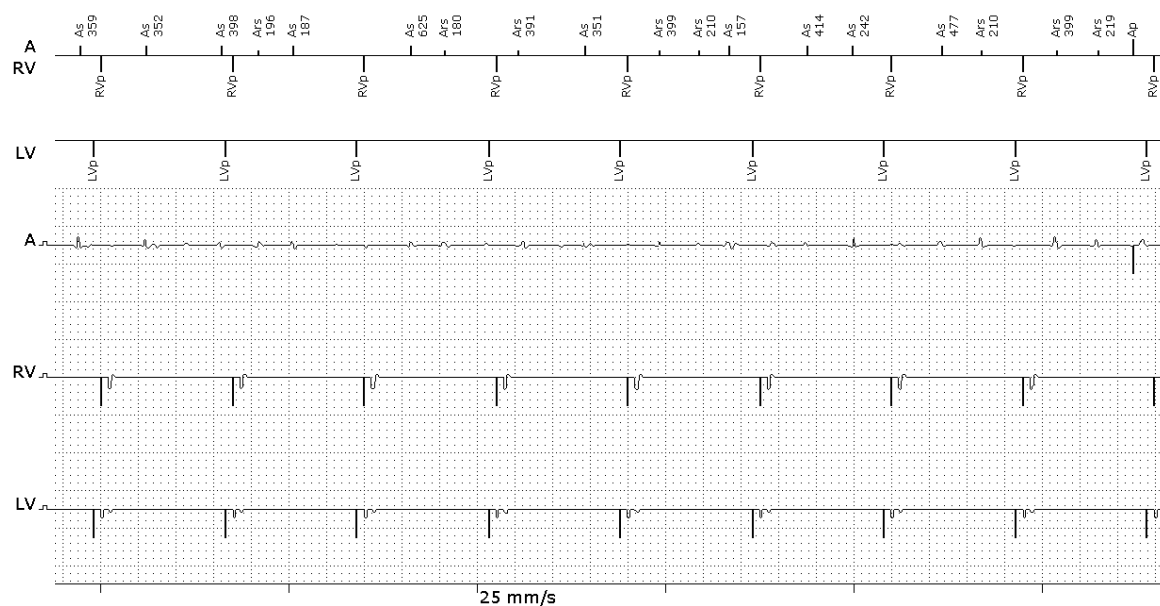
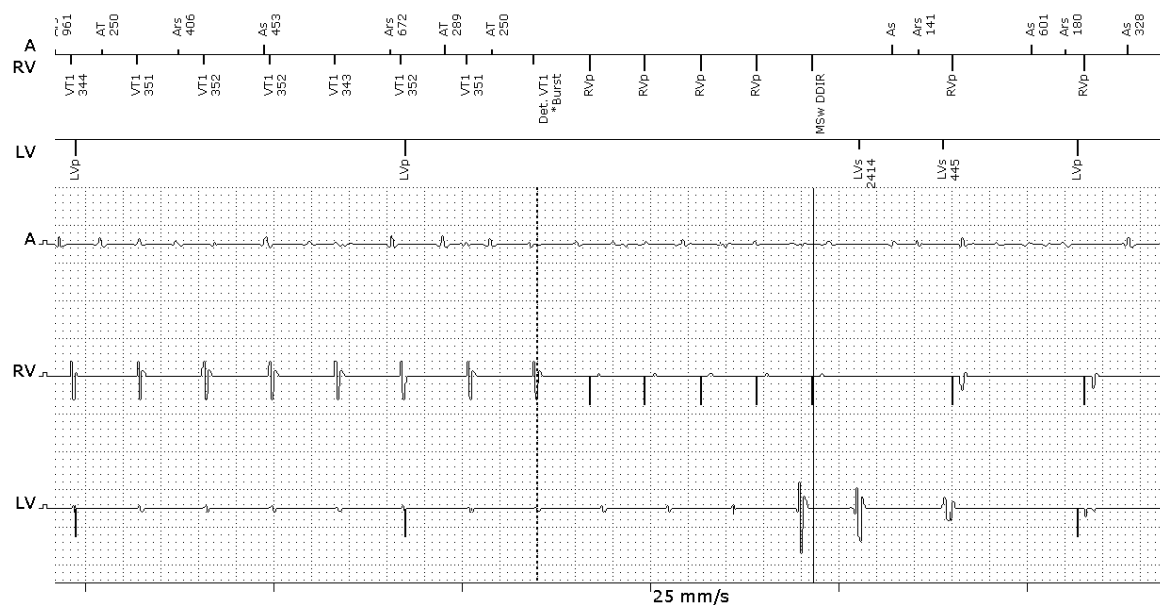


Patient Sojka, Borivoj
Device Itrevia 7 HF-T
S/N: 60869314 (PID: 88)

Follow-up on:
04/09/2017
07:36

Recordings - IEGM

Episode: **1011**



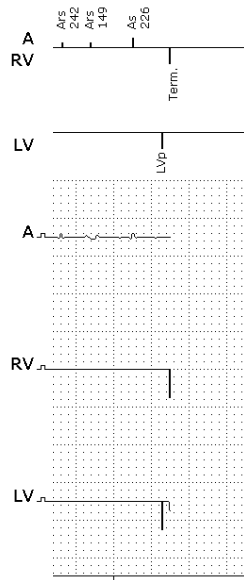
Follow-up on:

04/09/2017

07:36

Recordings - IEGM

Episode:	1011
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Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:37

Recordings - Details	Episode: 1059
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EGM of episode No.	1059
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Detection

Zone	AT/AF monitoring
Measured Onset in V [%]	***
Measured stability in V [ms]	96

	VT1	VT2	VF
Redetections	0	0	0

Therapy

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

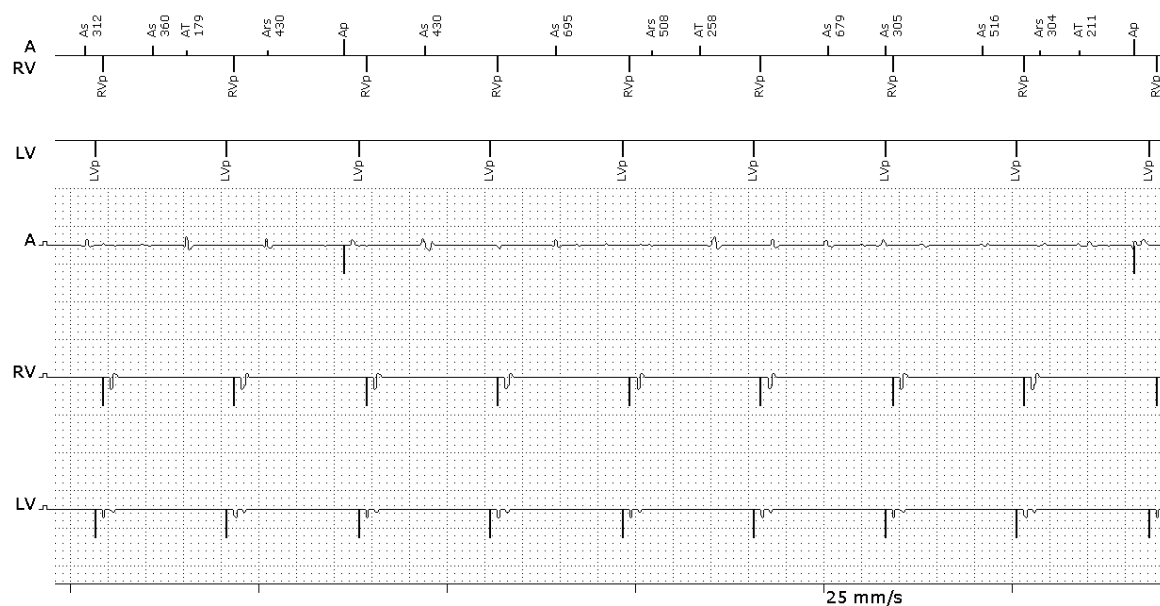
Times

Detection	03/09/2017 23:58:11
Termination	03/09/2017 23:58:33
Duration	0:00:22

Program No.	17
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Remark

Follow-up on:
.....
04/09/2017
.....
07:37

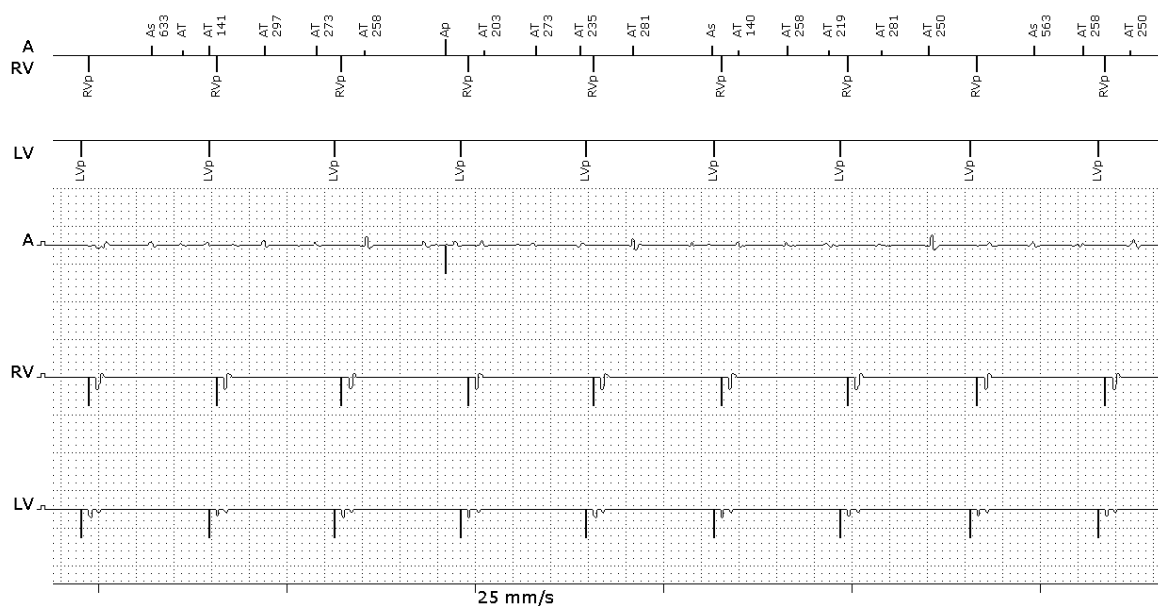
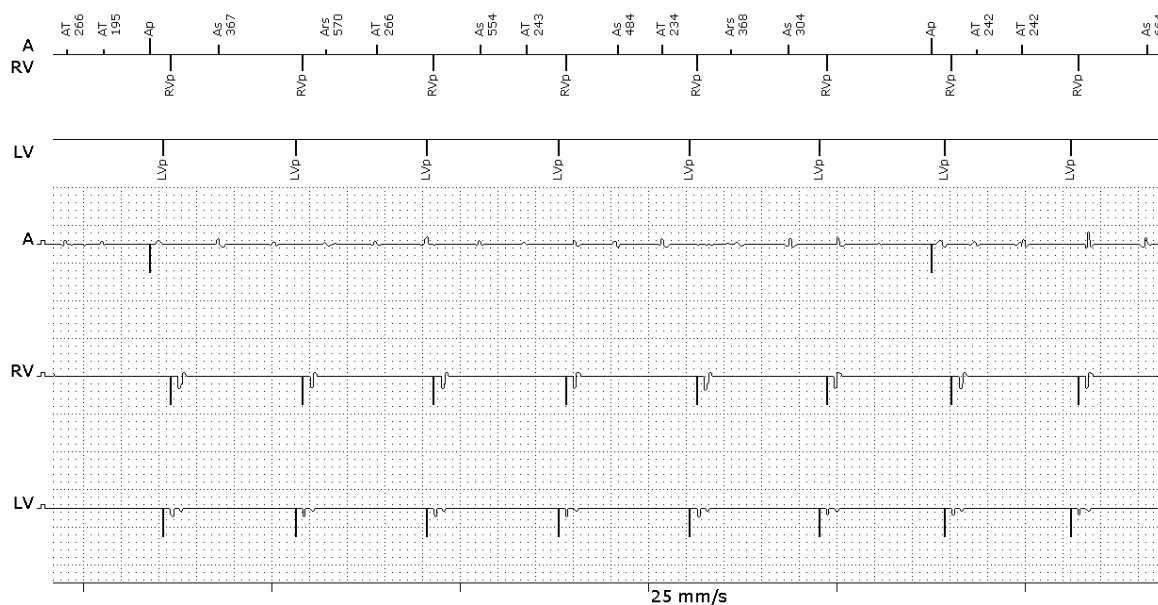
Episode: **1059**

Patient Sojka, Borivoj
Device Itrevia 7 HF-T
S/N: 60869314 (PID: 88)

Follow-up on:
04/09/2017
07:37

Recordings - IEGM

Episode: 1059

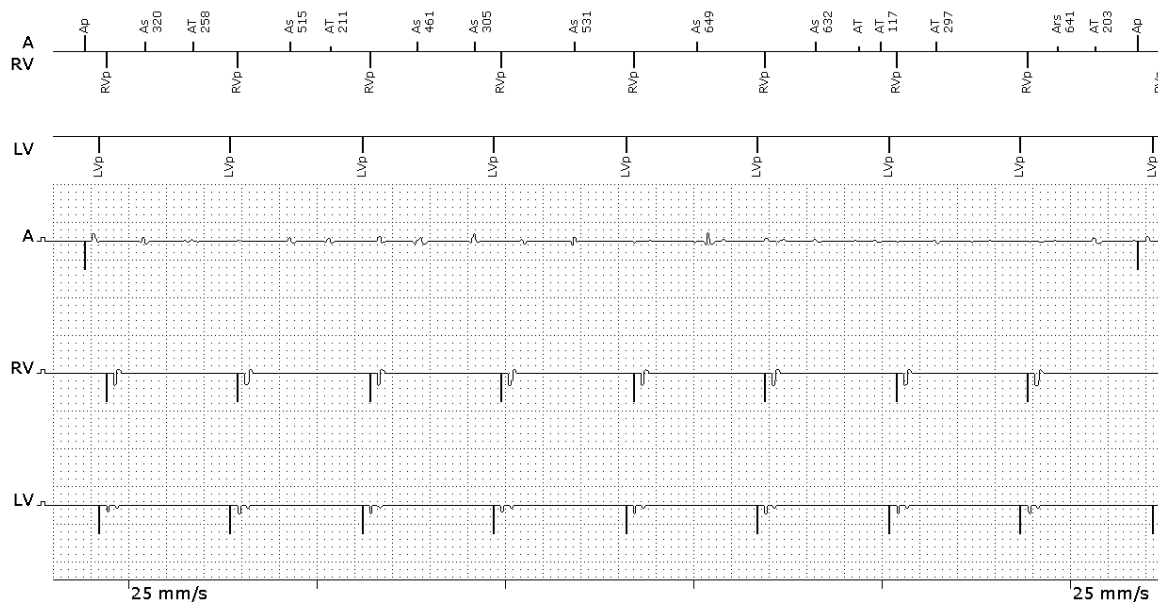
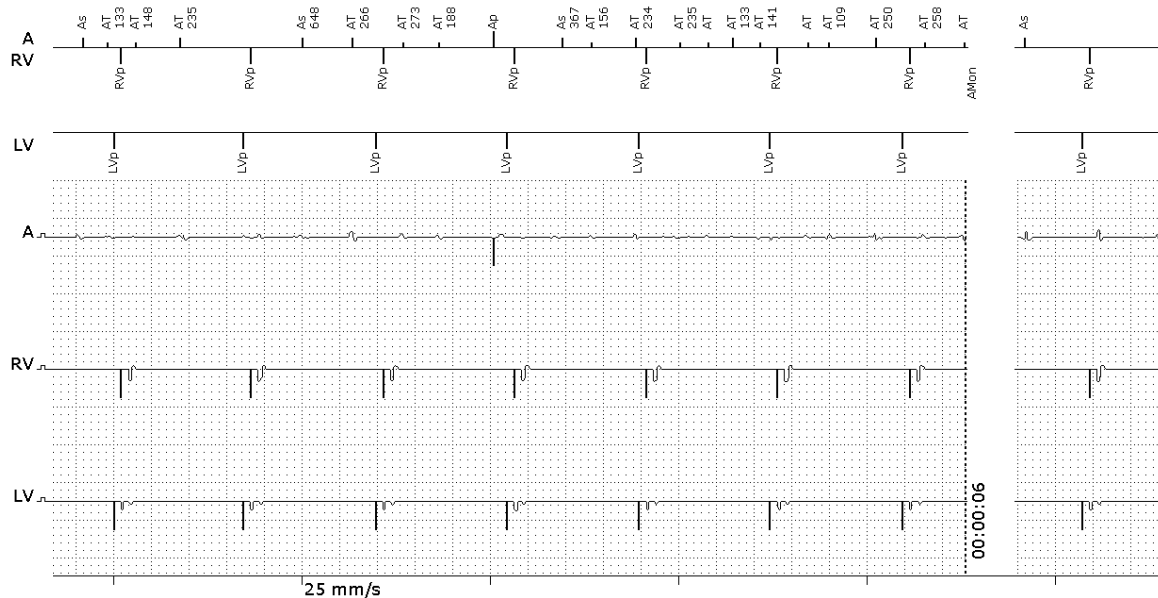


Patient Sojka, Borivoj
Device Itrevia 7 HF-T
S/N: 60869314 (PID: 88)

Follow-up on:
04/09/2017
07:37

Recordings - IEGM

Episode: 1059

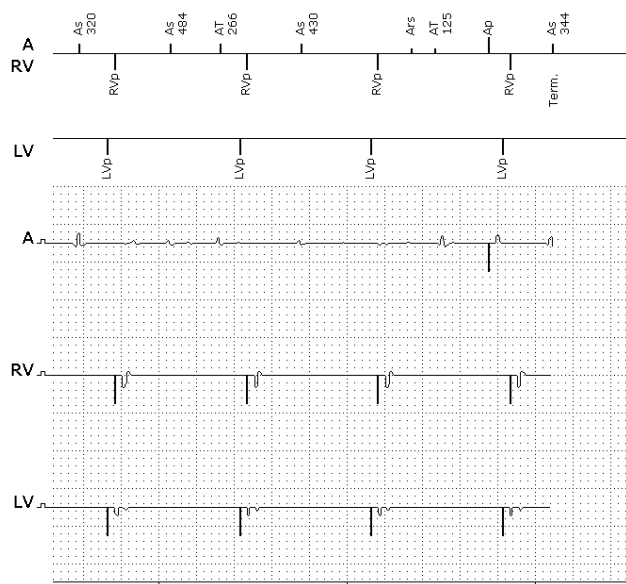
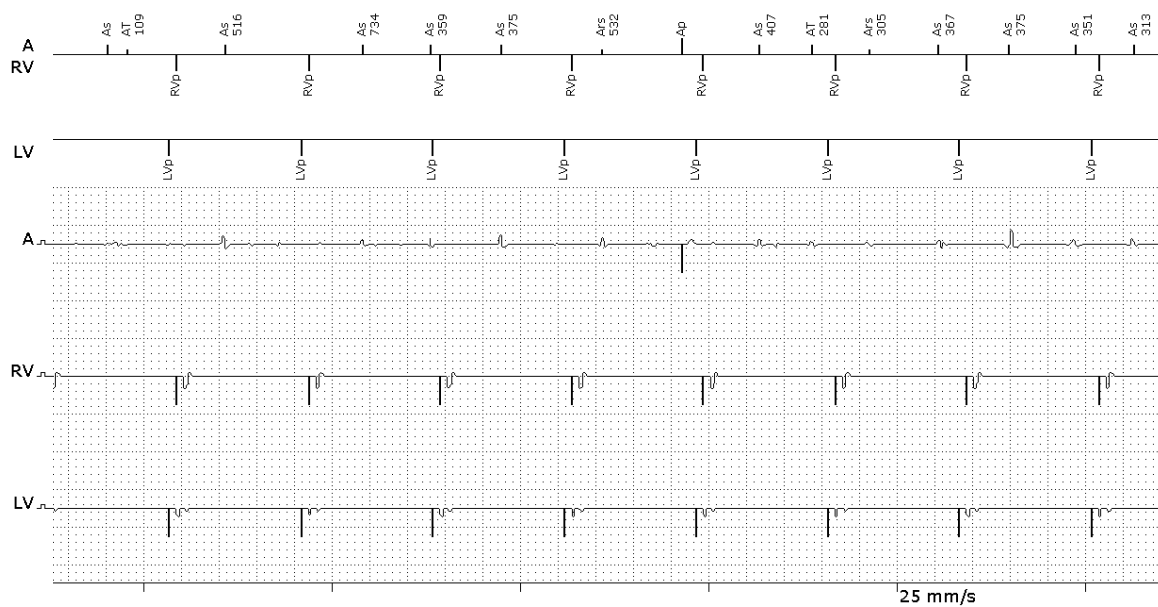


Patient Sojka, Borivoj
Device Itrevia 7 HF-T
S/N: 60869314 (PID: 88)

Follow-up on:
04/09/2017
07:37

Recordings - IEGM

Episode: 1059



Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:38

Recordings - Details	Episode: 1058
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EGM of episode No.	1058
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Detection

Zone	AT/AF monitoring
Measured Onset in V [%]	***
Measured stability in V [ms]	76

	VT1	VT2	VF
Redetections	0	0	0

Therapy

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

Times

Detection	03/09/2017 16:05:45
Termination	03/09/2017 16:06:40
Duration	0:00:55

Program No.	17
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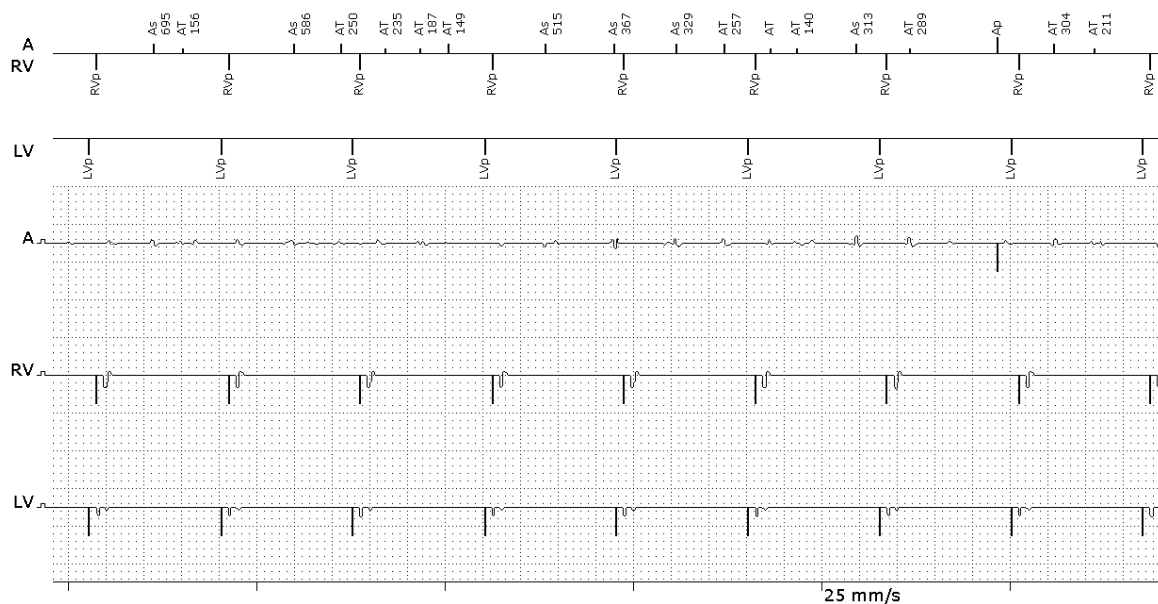
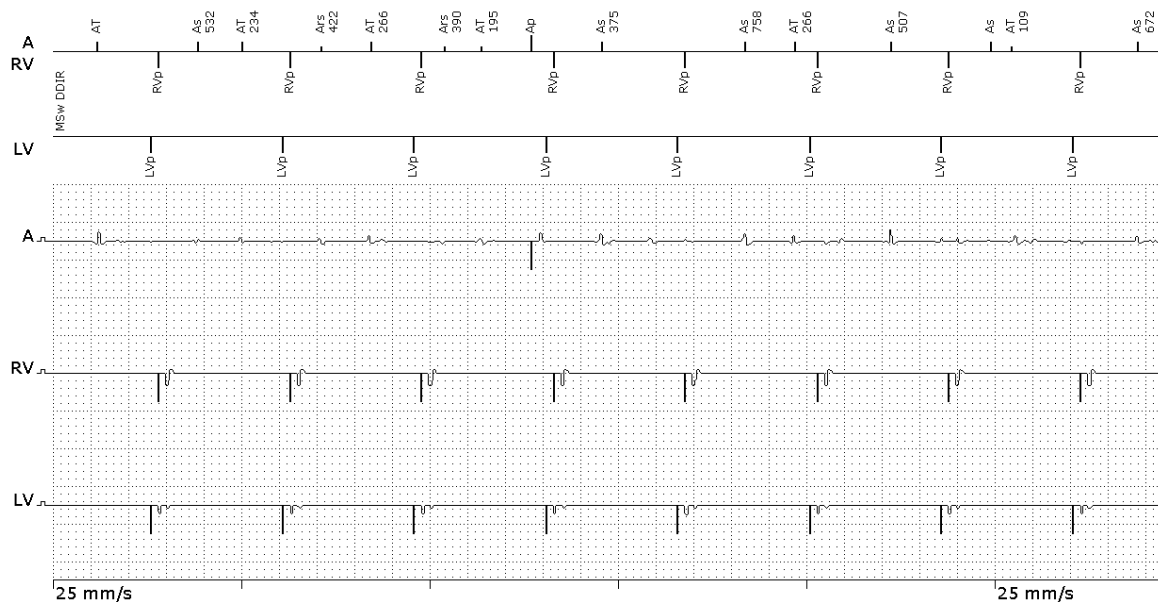
Remark

Patient Sojka, Borivoj
Device Itrevia 7 HF-T
S/N: 60869314 (PID: 88)

Follow-up on:
04/09/2017
07:38

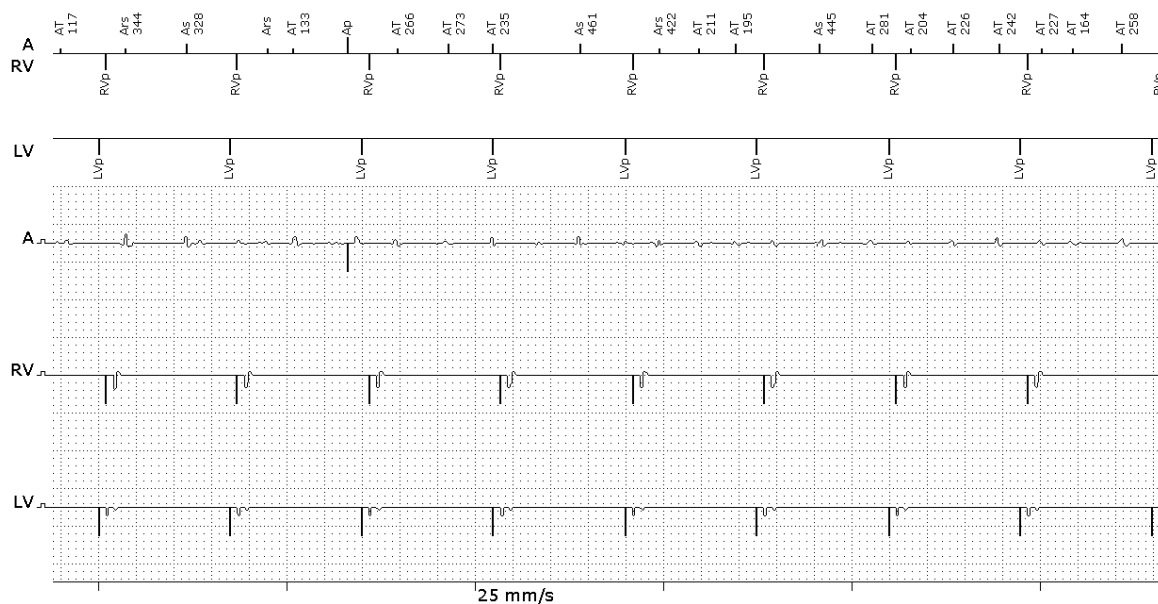
Recordings - IEGM

Episode: 1058



Follow-up on:
.....
04/09/2017
.....
07:38

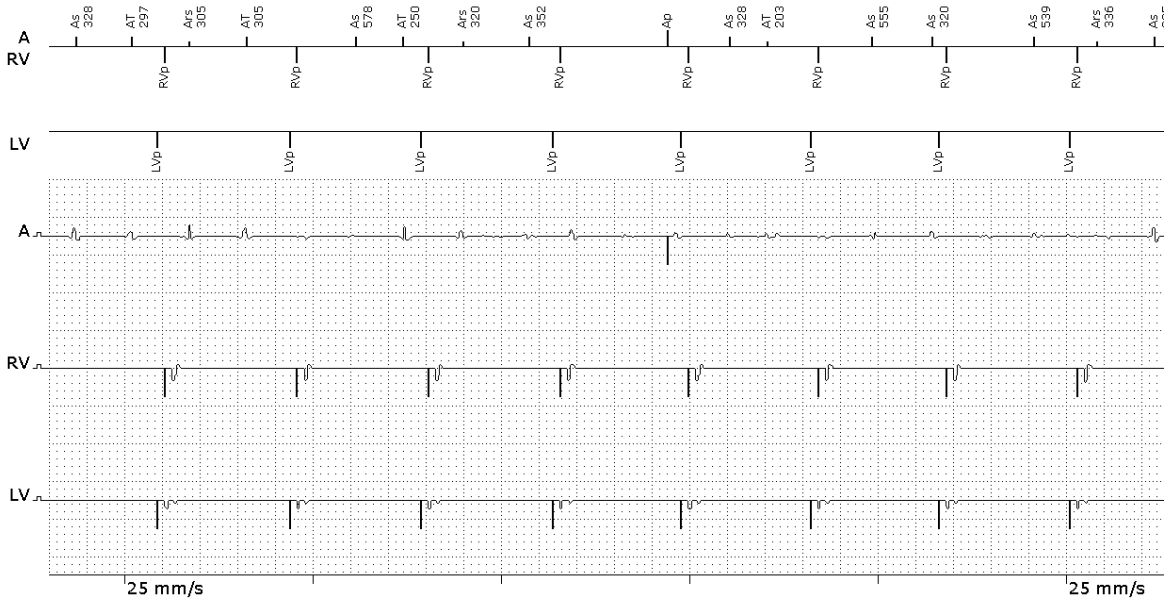
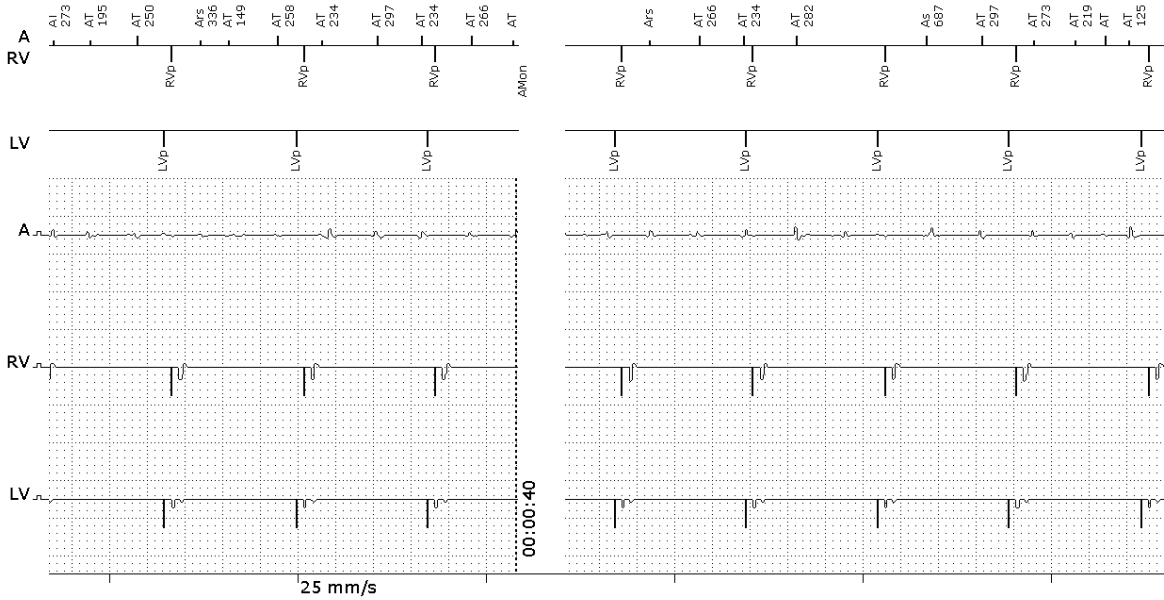
Episode: **1058**



Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:38

Recordings - IEGM

Episode: 1058



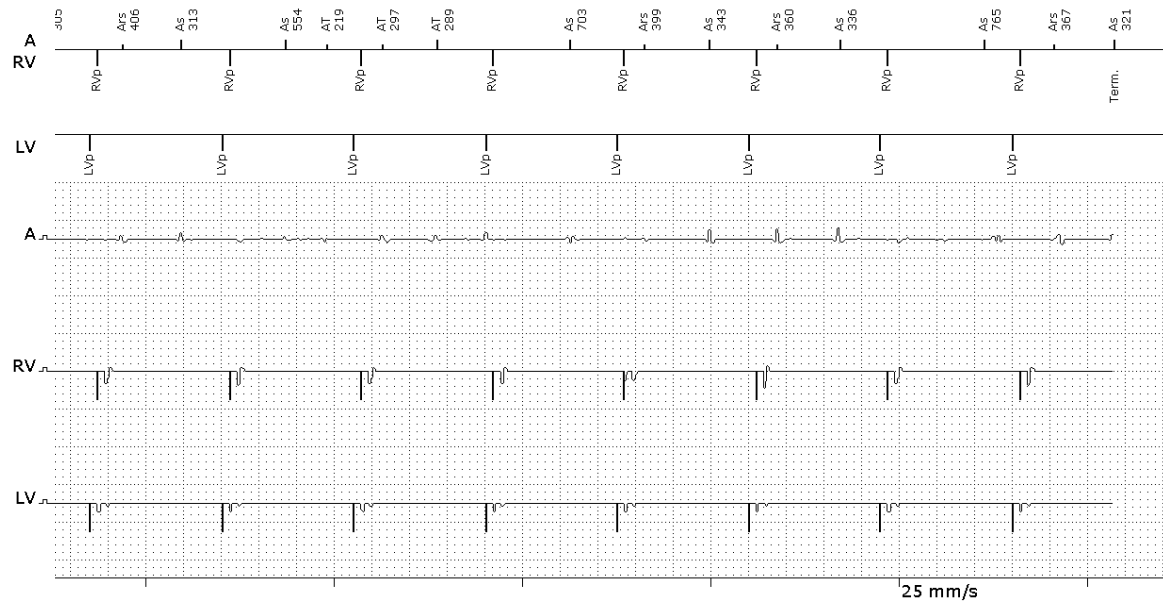
Follow-up on:

04/09/2017

07:38

Recordings - IEGM

Episode:	1058
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Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:38

Recordings - Details	Episode: 1057
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EGM of episode No.	1057
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Detection

Zone	AT/AF monitoring
Measured Onset in V [%]	***
Measured stability in V [ms]	193

	VT1	VT2	VF
Redetections	0	0	0

Therapy

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

Times

Detection	03/09/2017 15:05:36
Termination	03/09/2017 15:46:42
Duration	0:41:06

Program No.	17
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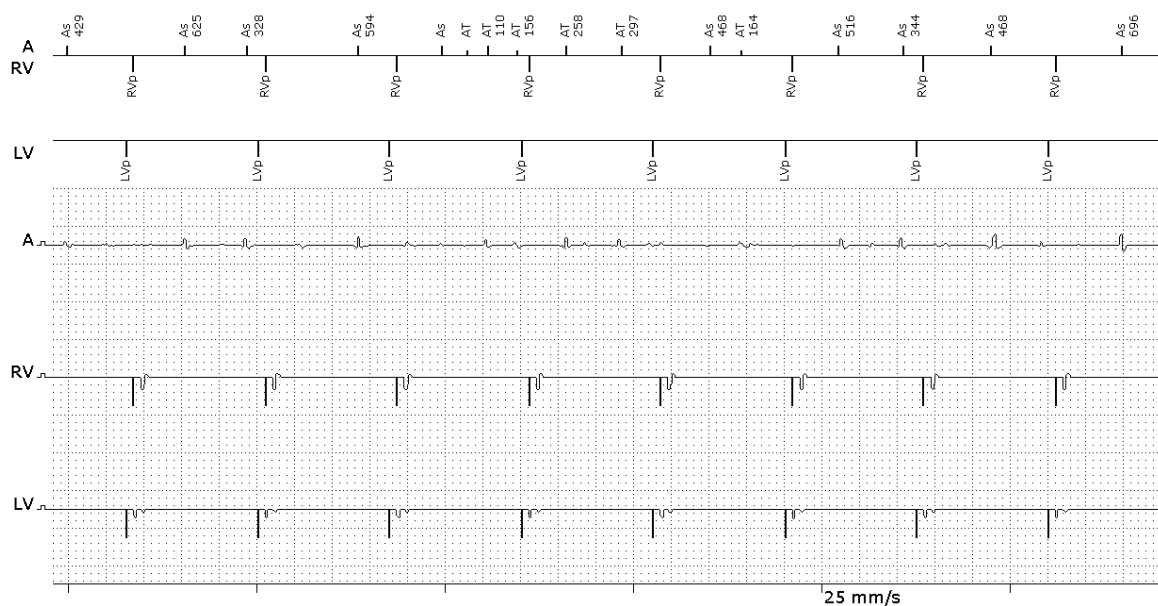
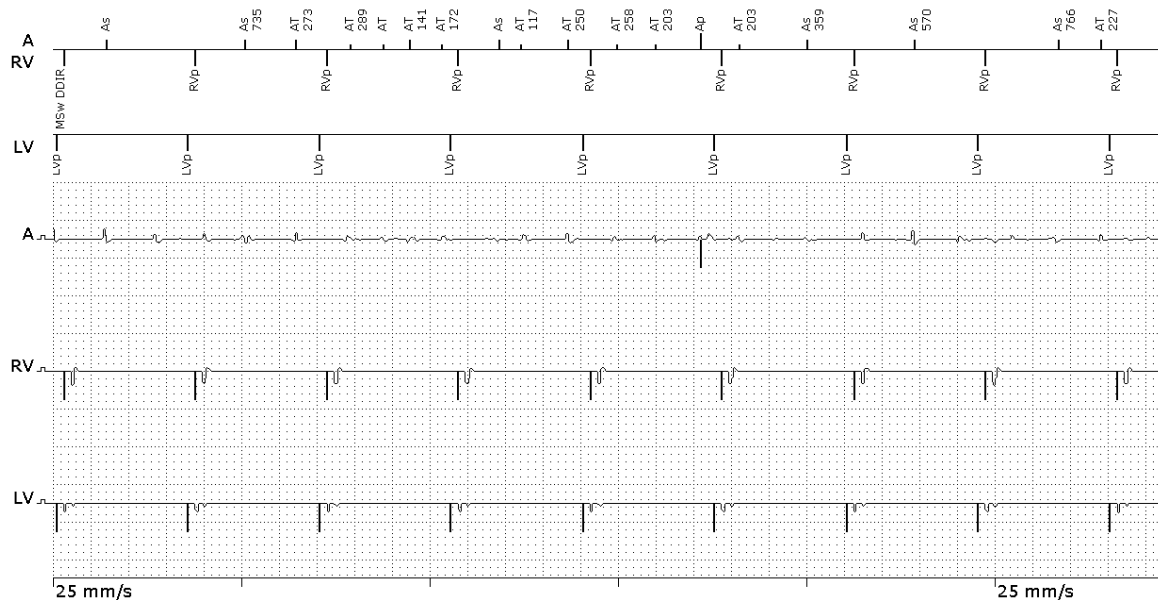
Remark

Patient Sojka, Borivoj
Device Itrevia 7 HF-T
S/N: 60869314 (PID: 88)

Follow-up on:
04/09/2017
07:38

Recordings - IEGM

Episode: **1057**



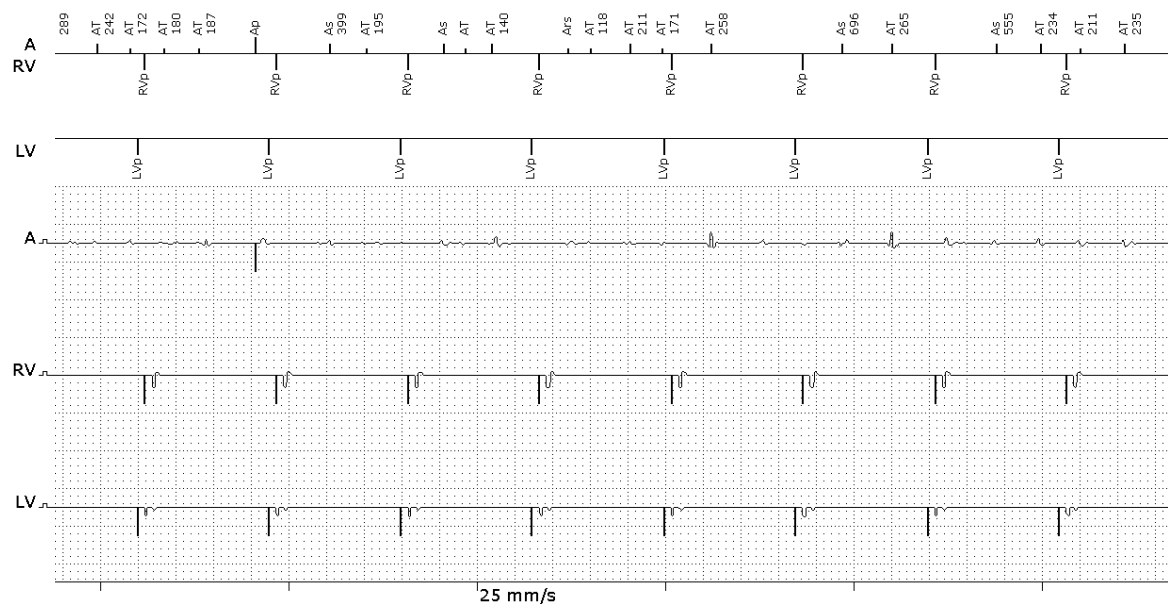
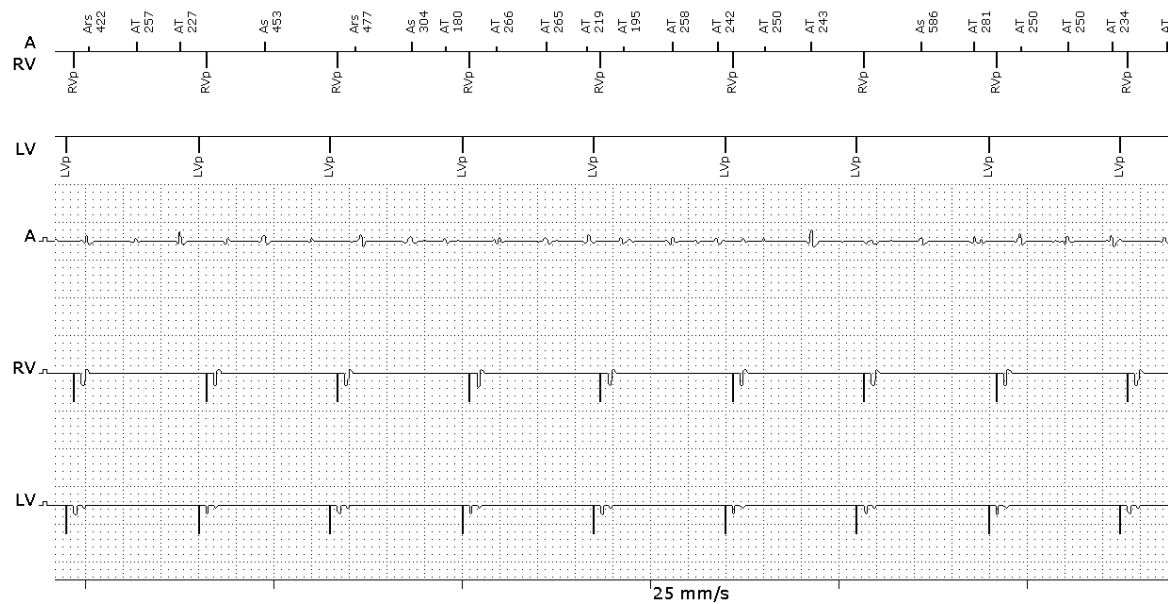
Follow-up on:

04/09/2017

07:38

Recordings - IEGM

Episode:	1057
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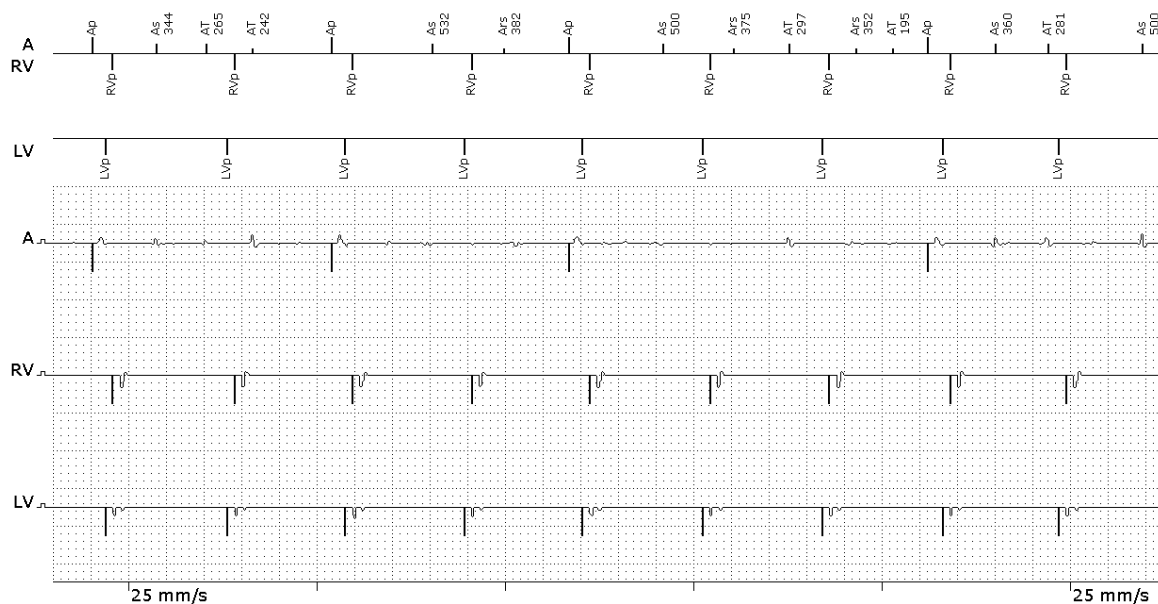
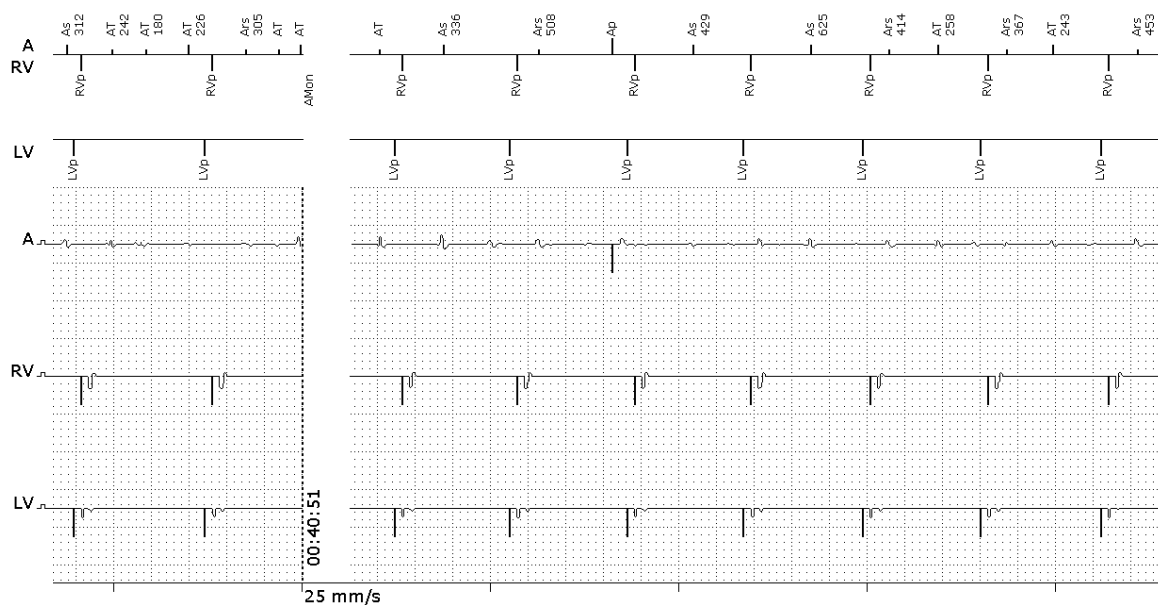


Patient Sojka, Borivoj
Device Itrevia 7 HF-T
S/N: 60869314 (PID: 88)

Follow-up on:
04/09/2017
07:38

Recordings - IEGM

Episode: 1057



Patient Sojka, Borivoj

Follow-up on:

Device Itrevia 7 HF-T

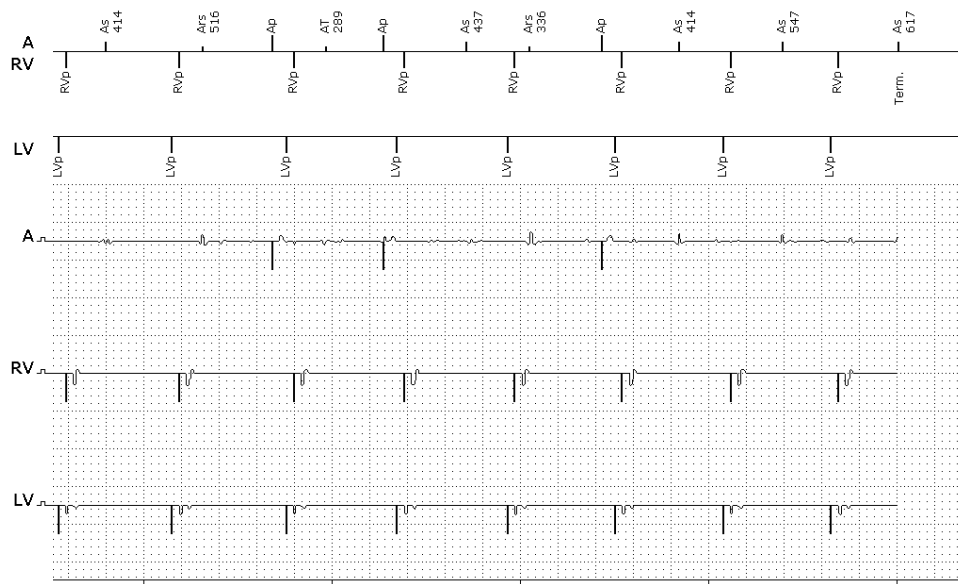
04/09/2017

S/N: 60869314 (PID: 88)

07:38

Recordings - IEGM

Episode: **1057**



Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:39

Recordings - Details

Episode: 1056

EGM of episode No. 1056

Detection

Zone	AT/AF monitoring
Measured Onset in V [%]	***
Measured stability in V [ms]	94

	VT1	VT2	VF
Redetections	0	0	0

Therapy

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

Times

Detection	03/09/2017 13:46:25
Termination	03/09/2017 13:52:06
Duration	0:05:41

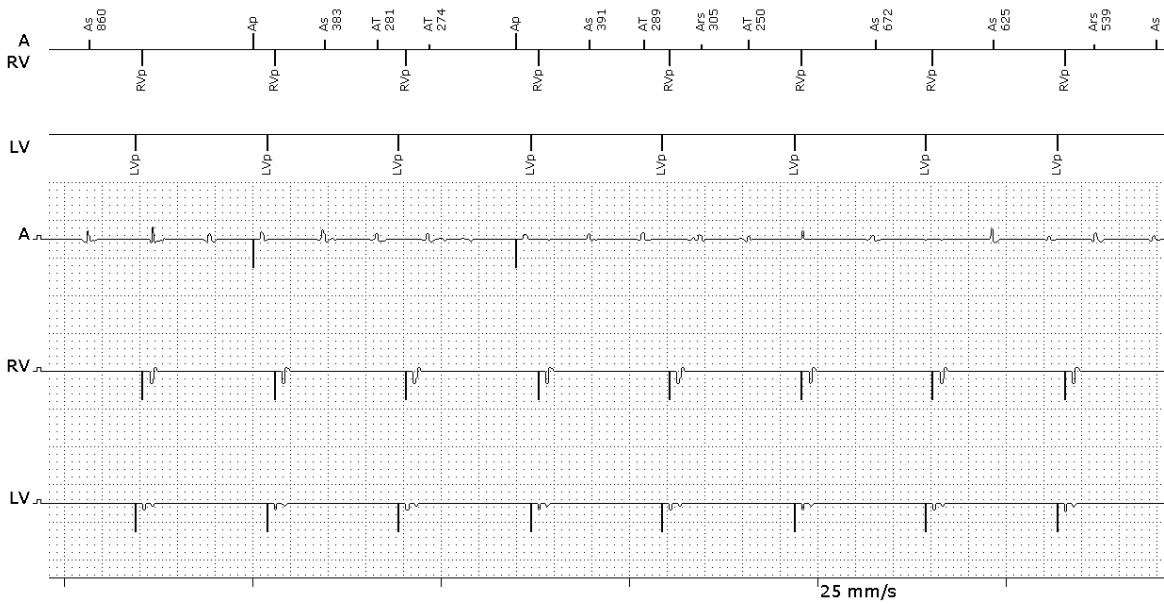
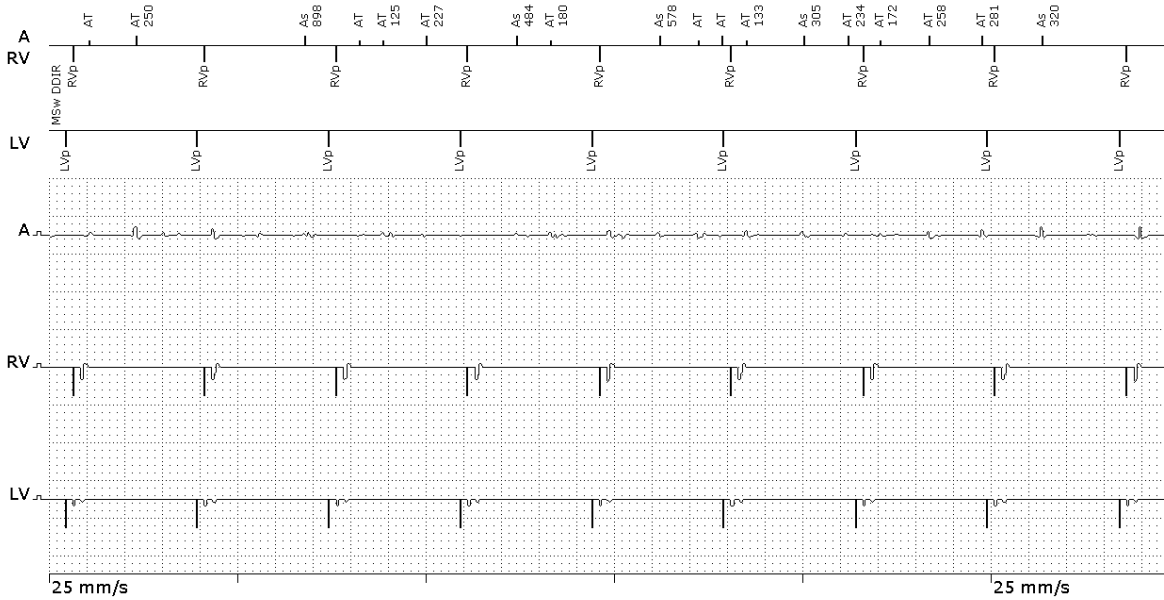
Program No. 17

Remark

Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:39

Recordings - IEGM

Episode: 1056

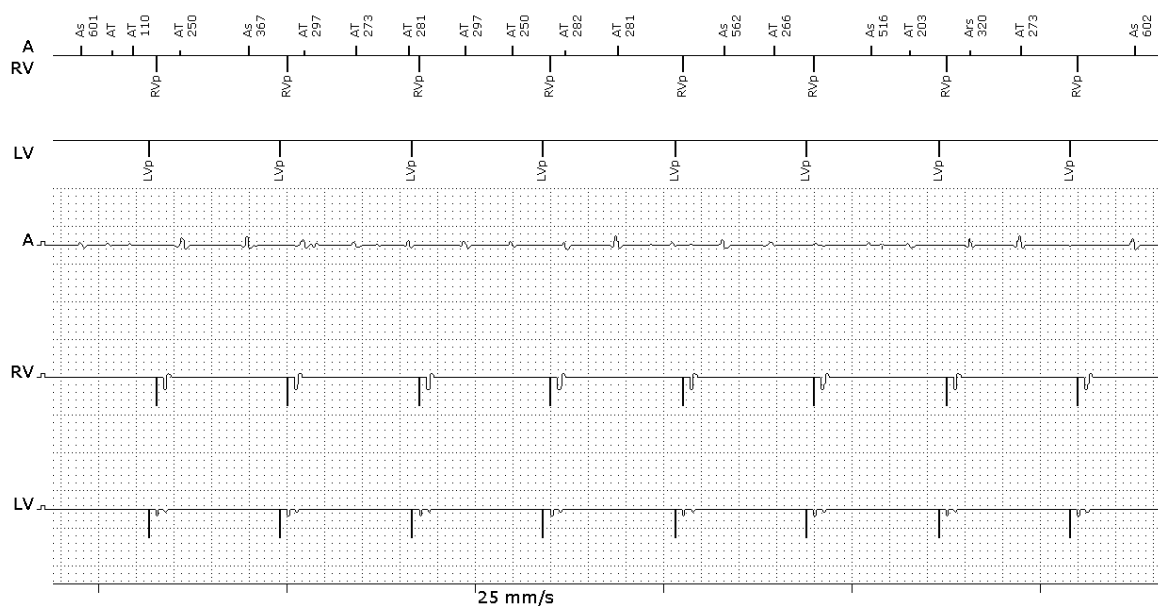
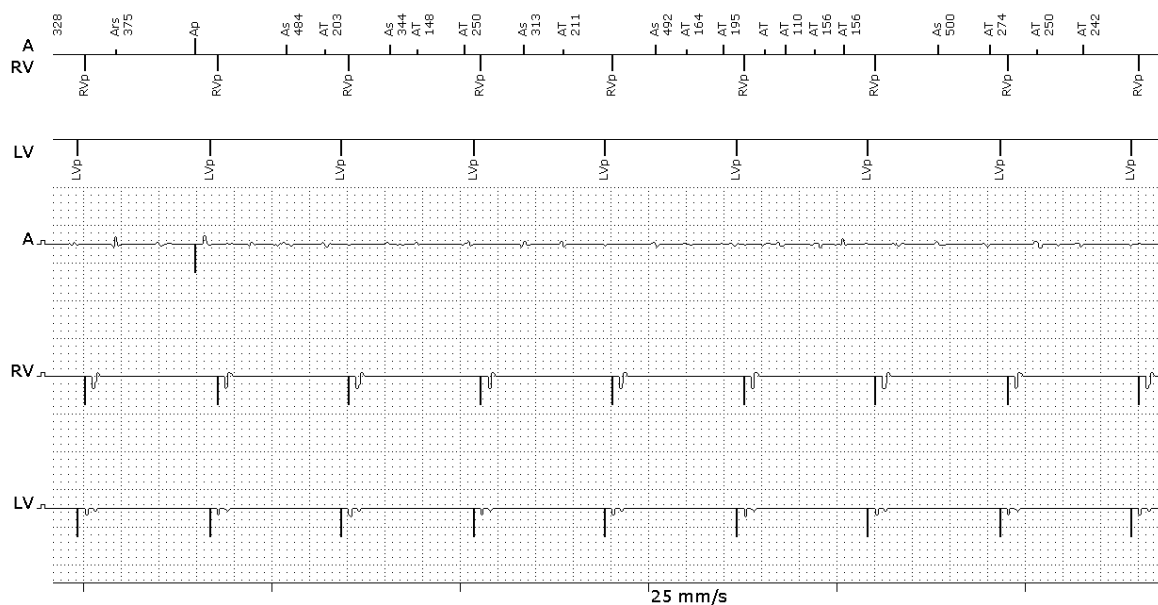


Patient Sojka, Borivoj
Device Itrevia 7 HF-T
S/N: 60869314 (PID: 88)

Follow-up on:
04/09/2017
07:39

Recordings - IEGM

Episode: 1056

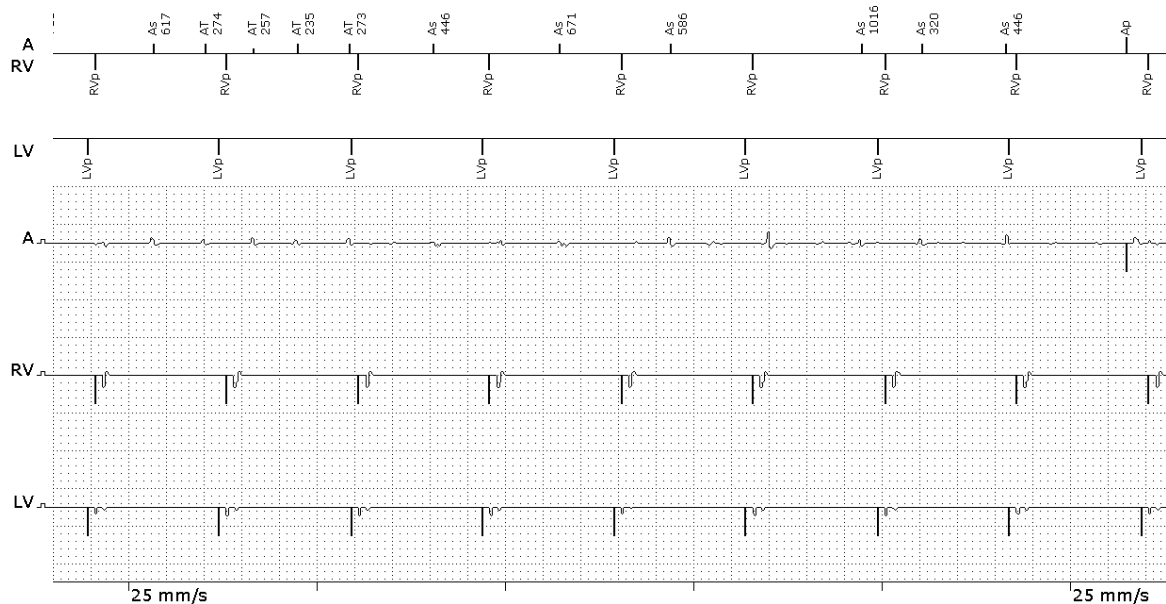
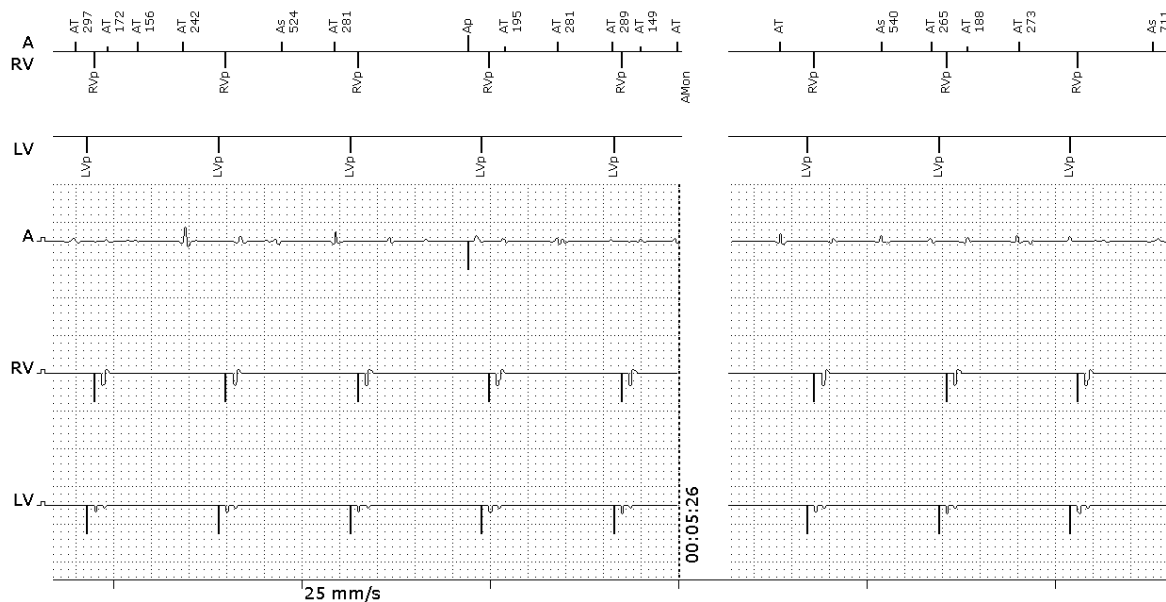


Patient Sojka, Borivoj
Device Itrevia 7 HF-T
S/N: 60869314 (PID: 88)

Follow-up on:
04/09/2017
07:39

Recordings - IEGM

Episode: 1056



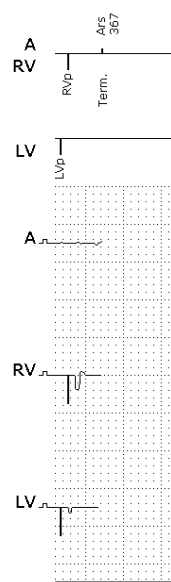
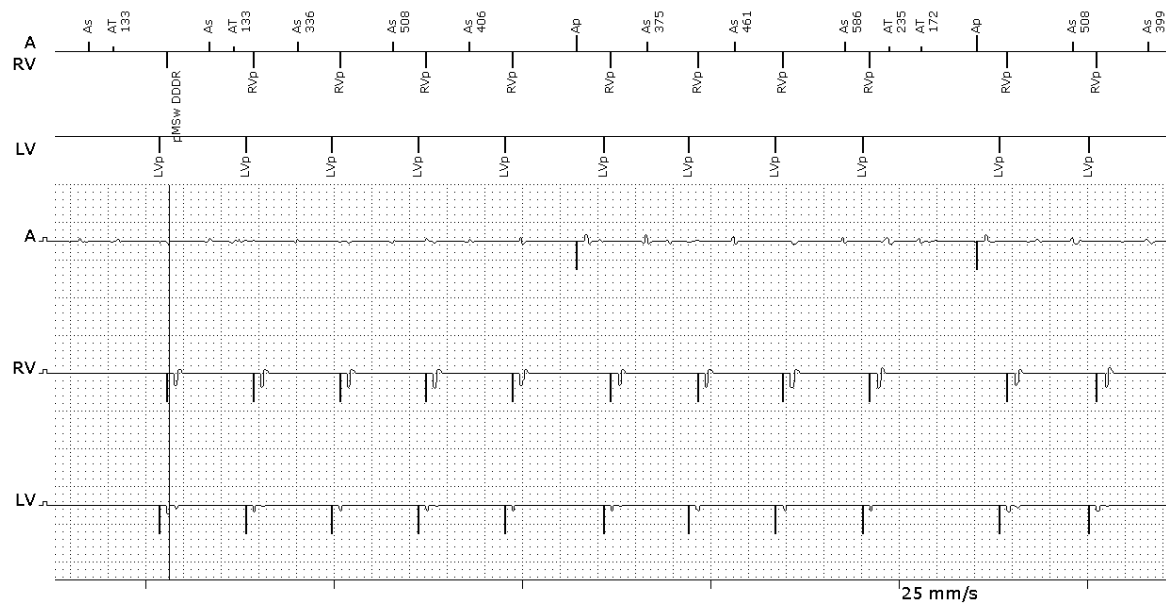
Follow-up on:

04/09/2017

07:39

Recordings - IEGM

Episode:	1056
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Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:39

Recordings - Details	Episode: 1036
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EGM of episode No.	1036
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Detection

Zone	AT/AF monitoring
Measured Onset in V [%]	***
Measured stability in V [ms]	> 247

	VT1	VT2	VF
Redetections	0	0	0

Therapy

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

Times

Detection	03/09/2017 00:01:30
Termination	03/09/2017 00:38:34
Duration	0:37:04

Program No.	17
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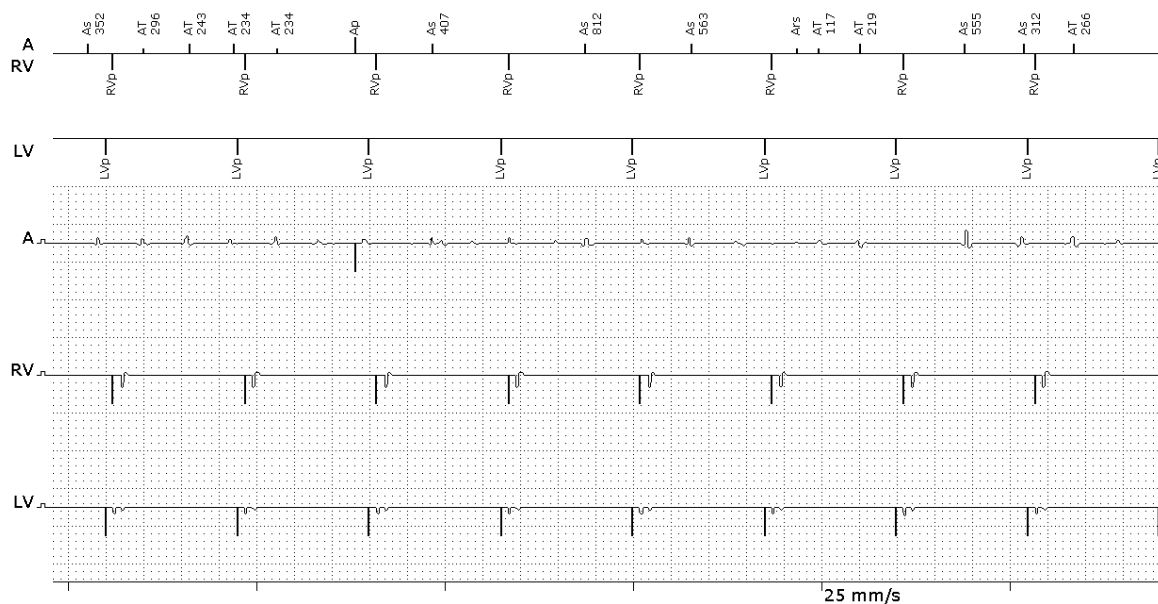
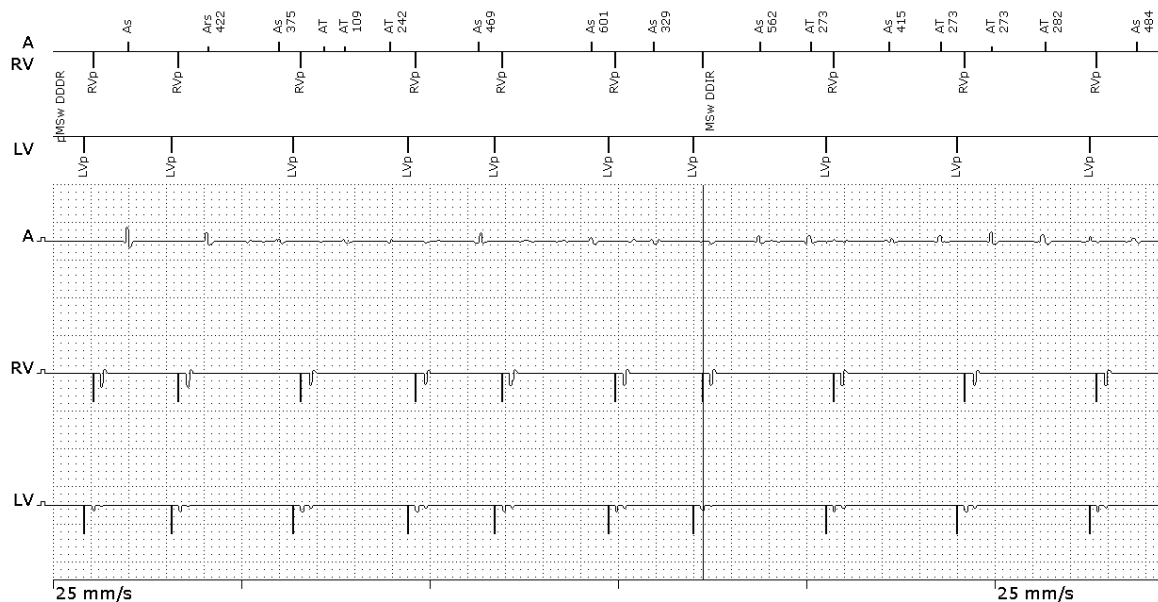
Remark

Patient Sojka, Borivoj
Device Itrevia 7 HF-T
S/N: 60869314 (PID: 88)

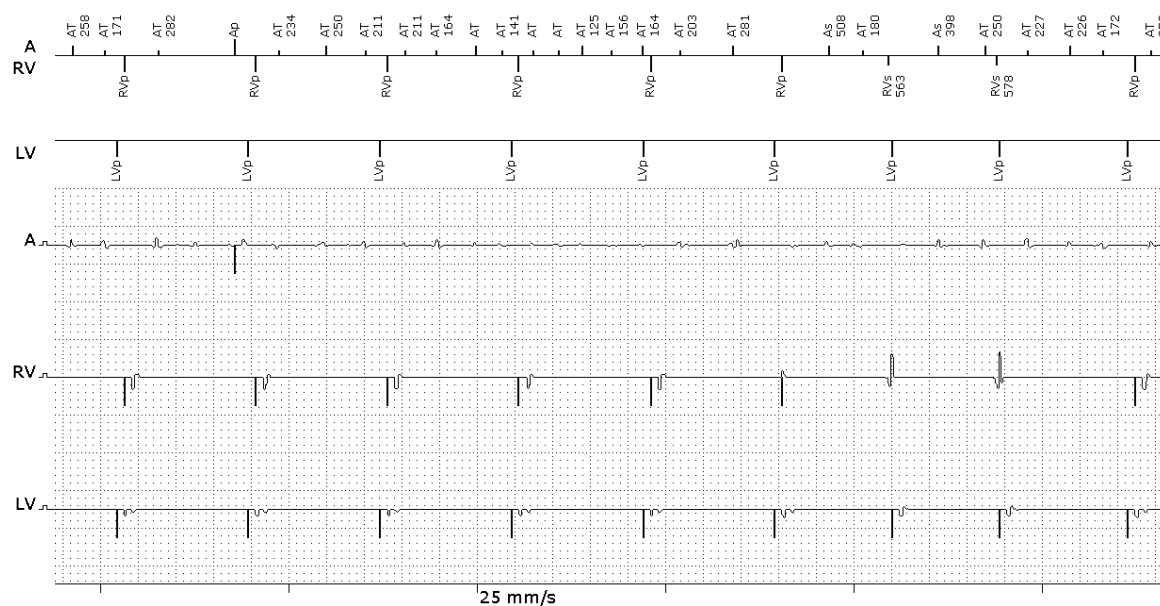
Follow-up on:
04/09/2017
07:39

Recordings - IEGM

Episode: 1036

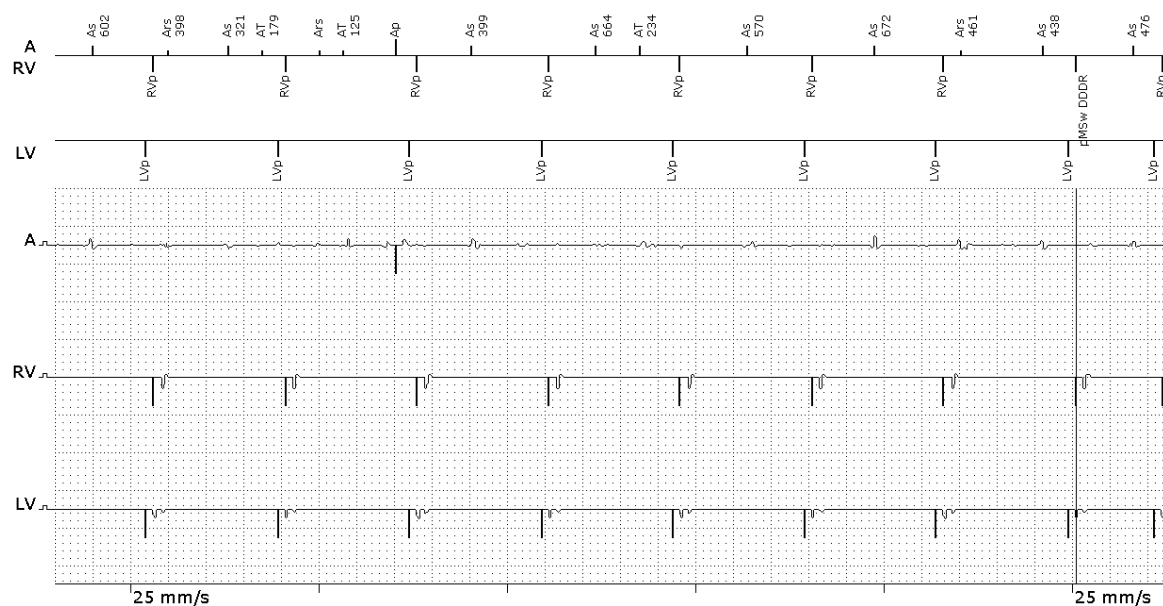


Follow-up on:
.....
04/09/2017
.....
07:39

Episode: **1036**

Follow-up on:
.....
04/09/2017
.....
07:39

Episode:	1036
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Patient Sojka, Borivoj

Follow-up on:

Device Itrevia 7 HF-T

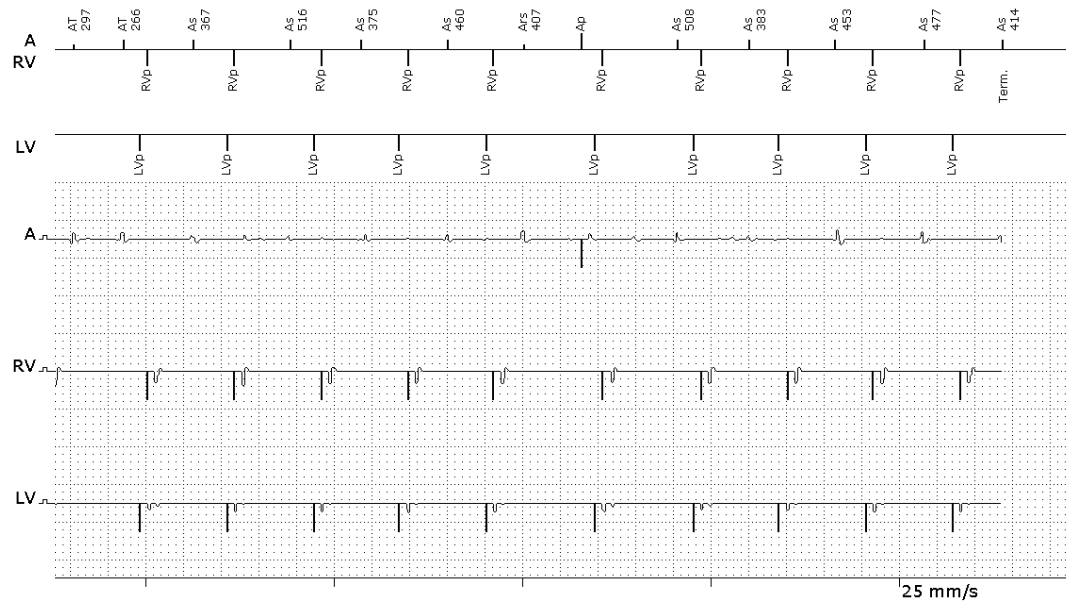
04/09/2017

S/N: 60869314 (PID: 88)

07:39

Recordings - IEGM

Episode: **1036**



Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:39

Recordings - Details	Episode: 1035
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EGM of episode No.	1035
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Detection

Zone	AT/AF monitoring
Measured Onset in V [%]	***
Measured stability in V [ms]	86

	VT1	VT2	VF
Redetections	0	0	0

Therapy

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

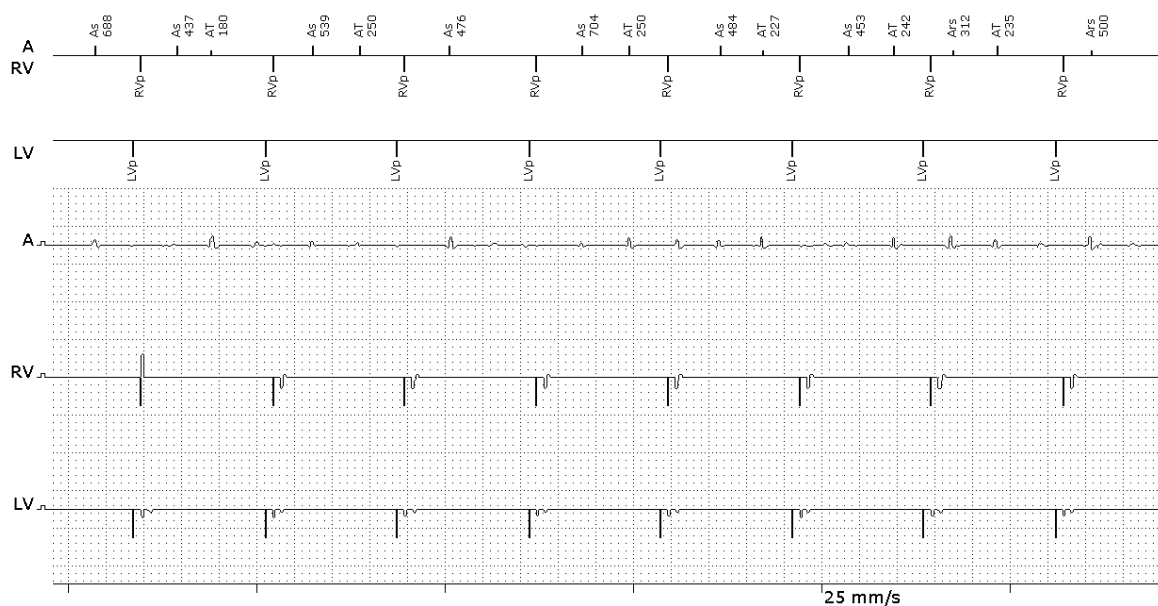
Times

Detection	02/09/2017 23:20:46
Termination	02/09/2017 23:49:02
Duration	0:28:16

Program No.	17
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Remark

Follow-up on:
.....
04/09/2017
.....
07:39

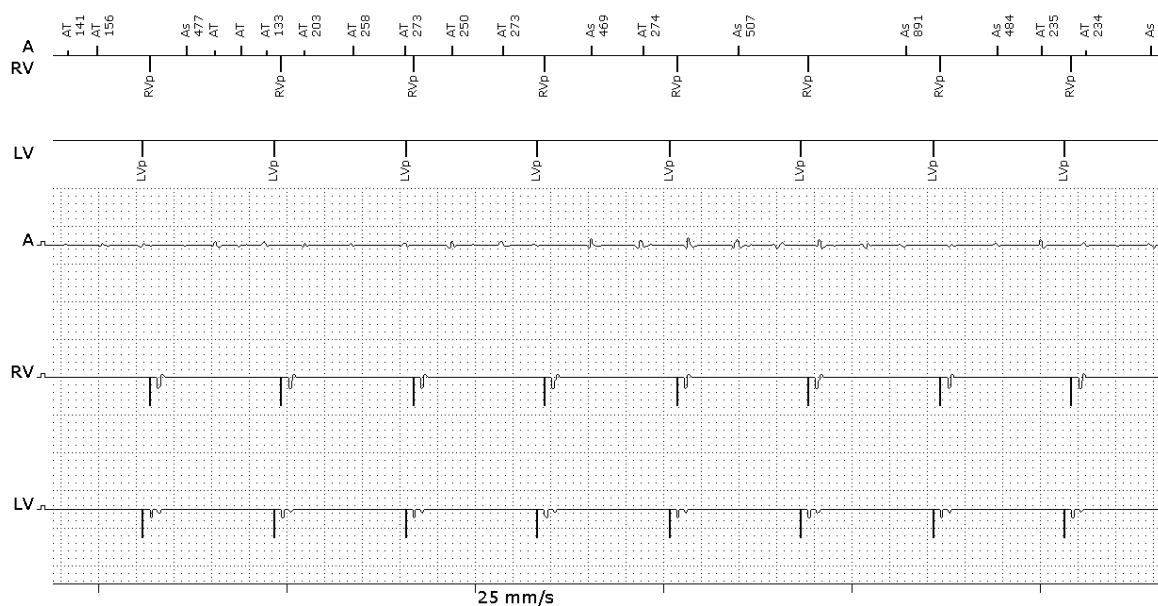
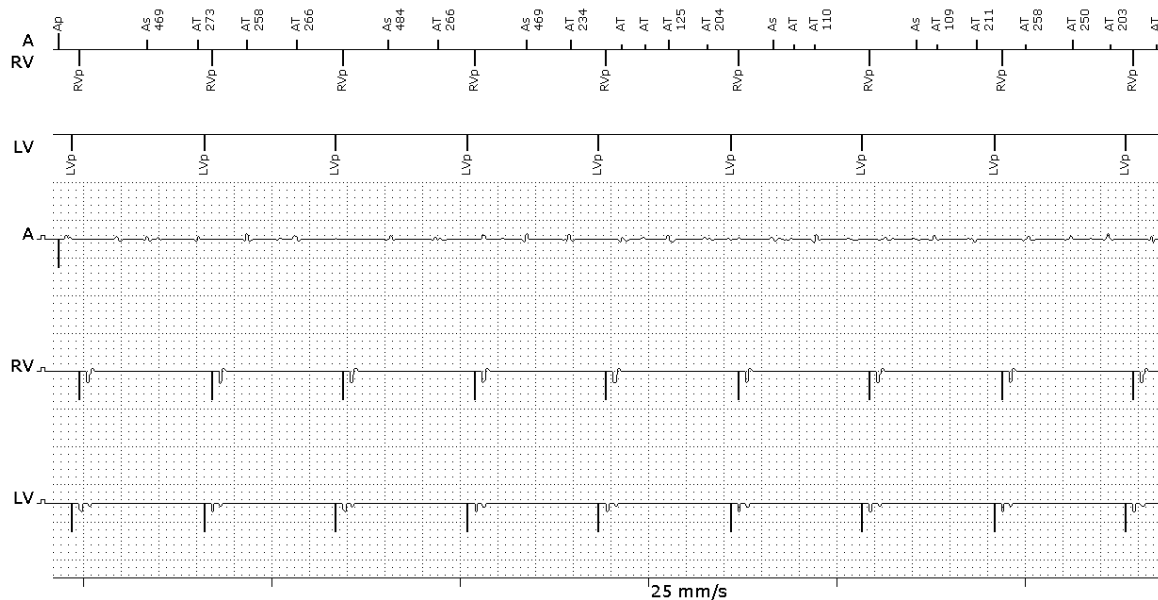
Episode: **1035**

Patient Sojka, Borivoj
Device Itrevia 7 HF-T
S/N: 60869314 (PID: 88)

Follow-up on:
04/09/2017
07:39

Recordings - IEGM

Episode: 1035



Patient Sojka, Borivoj

Device Itrevia 7 HF-T

S/N: 60869314 (PID: 88)

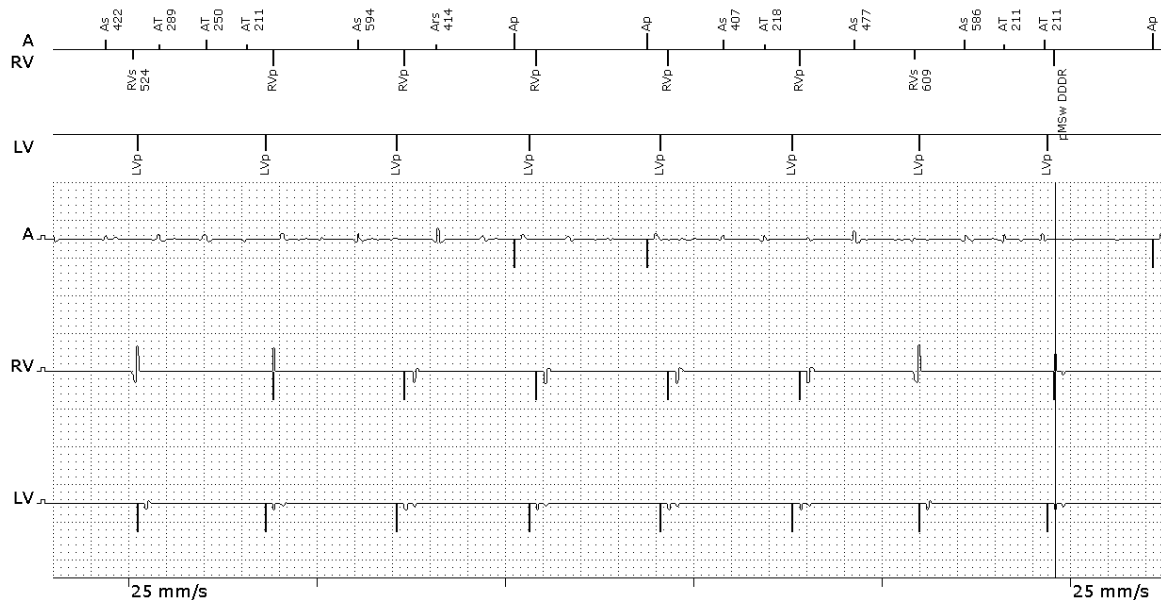
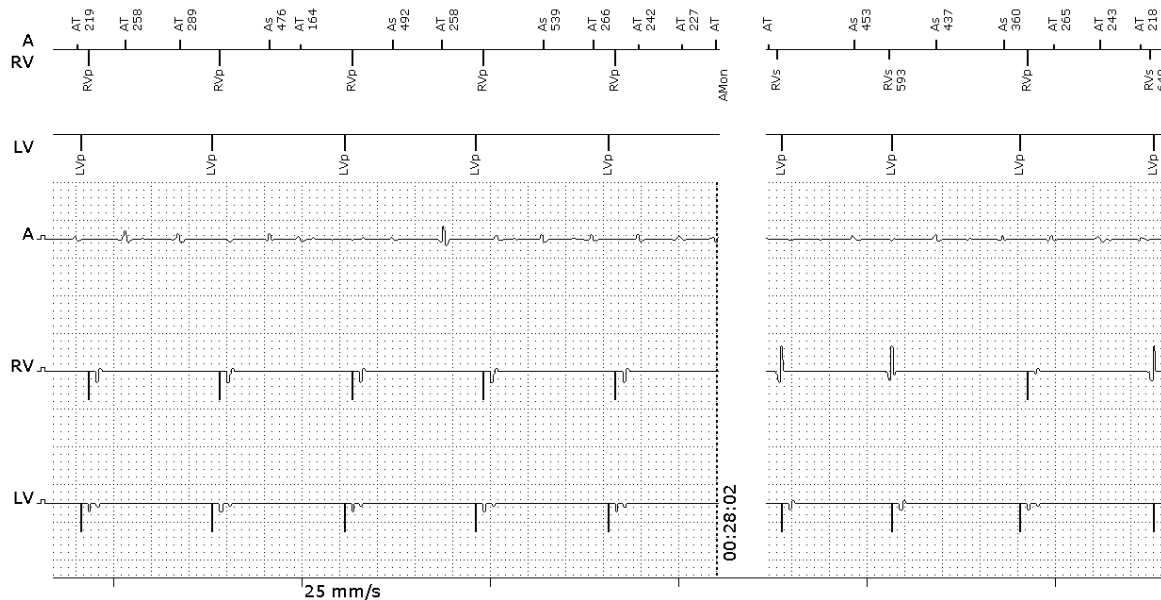
Follow-up on:

04/09/2017

07:39

Recordings - IEGM

Episode: 1035

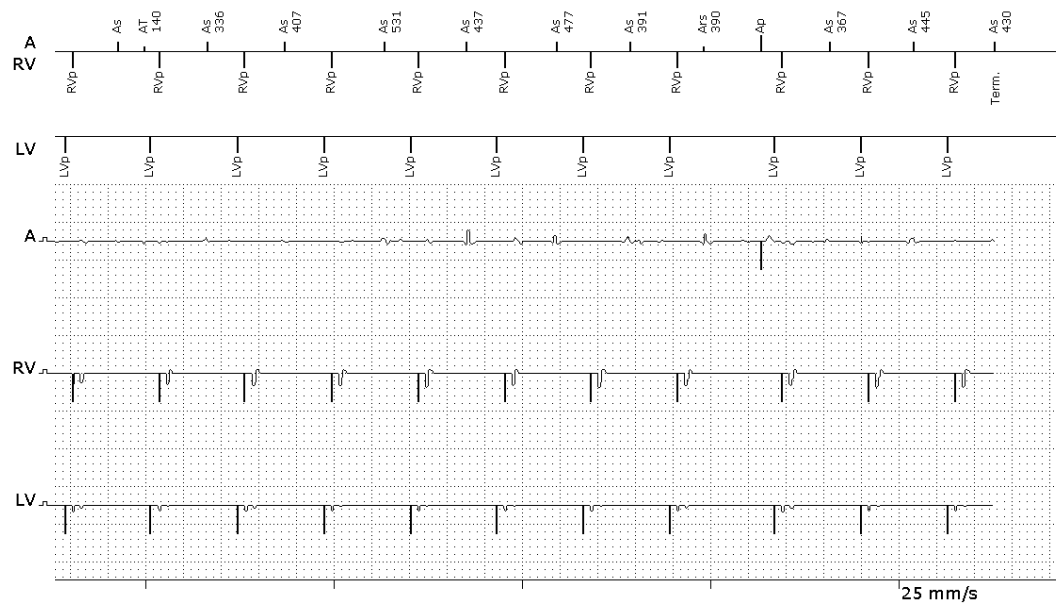


Patient Sojka, Borivoj
Device Itrevia 7 HF-T
S/N: 60869314 (PID: 88)

Follow-up on:
04/09/2017
07:39

Recordings - IEGM

Episode: 1035



Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:39

Recordings - Details	Episode: 1034
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EGM of episode No.	1034
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Detection

Zone	AT/AF monitoring
Measured Onset in V [%]	***
Measured stability in V [ms]	160

	VT1	VT2	VF
Redetections	0	0	0

Therapy

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

Times

Detection	02/09/2017 22:45:03
Termination	02/09/2017 23:02:46
Duration	0:17:43

Program No.	17
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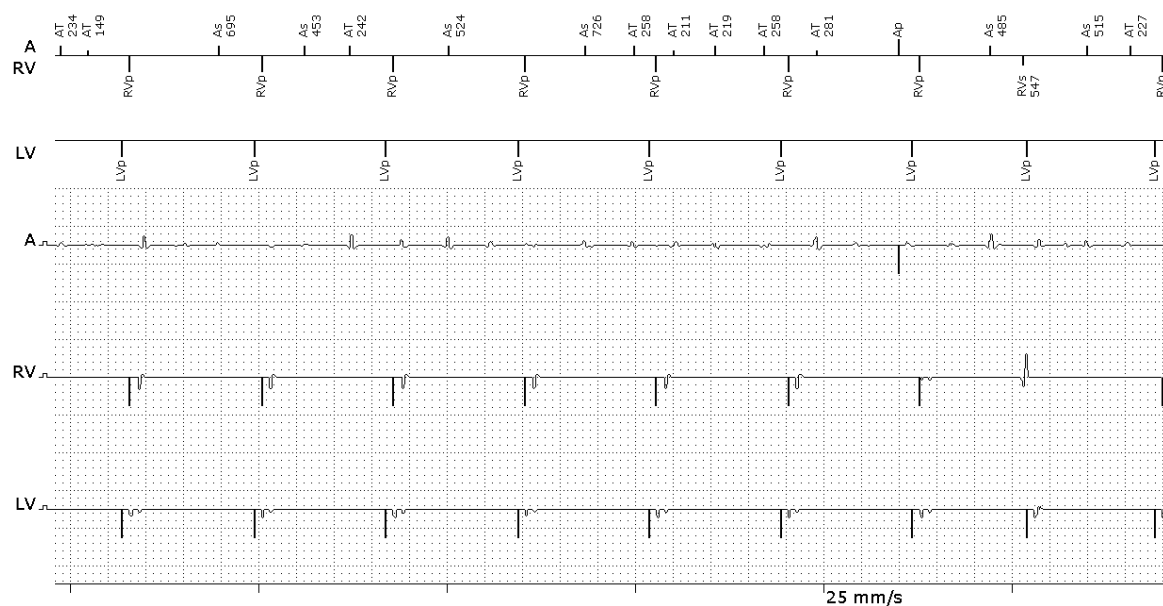
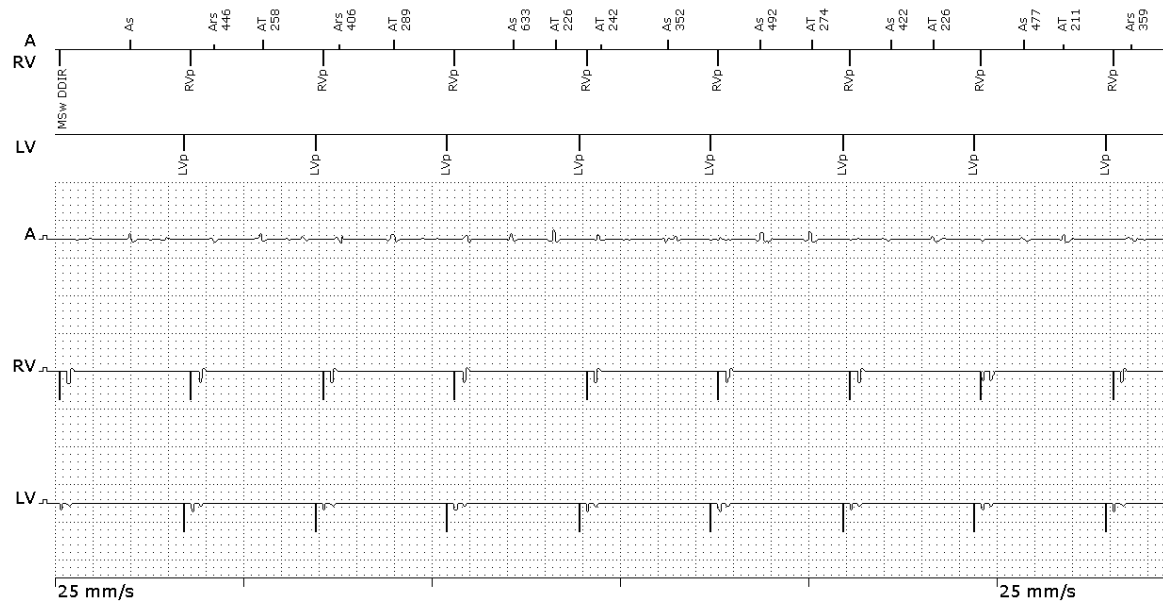
Remark

Patient Sojka, Borivoj
Device Itrevia 7 HF-T
S/N: 60869314 (PID: 88)

Follow-up on:
04/09/2017
07:39

Recordings - IEGM

Episode: **1034**

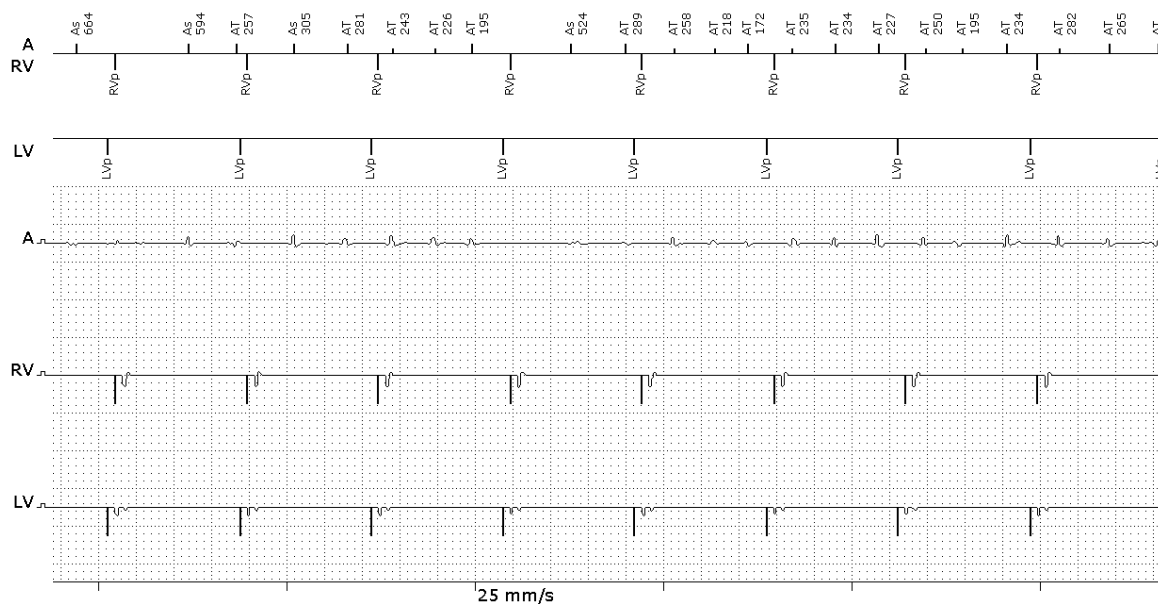
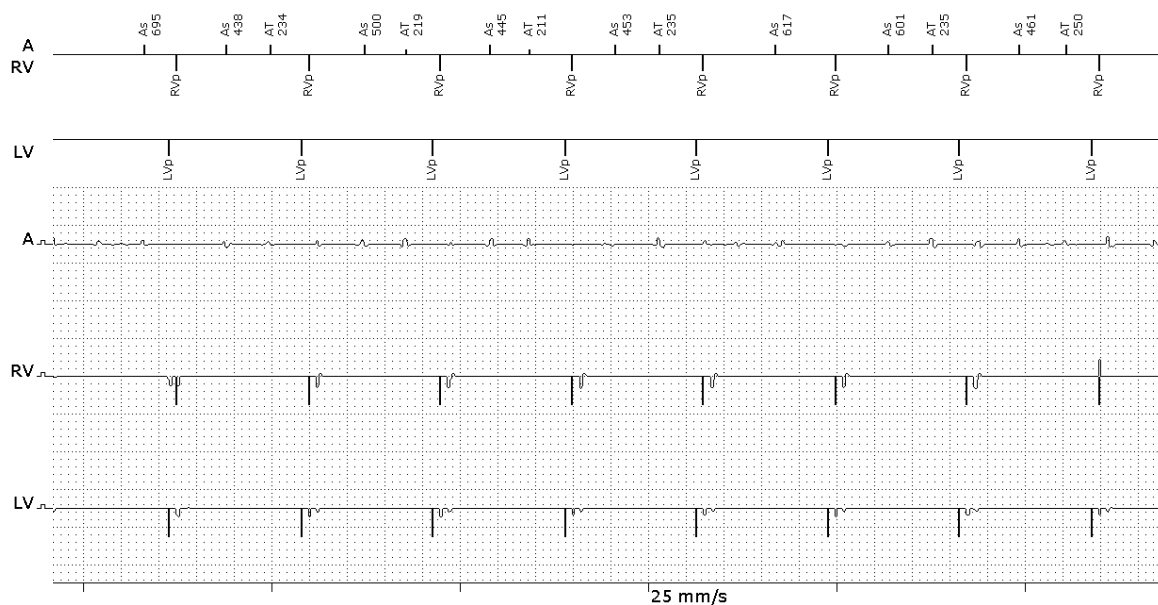


Patient Sojka, Borivoj
Device Itrevia 7 HF-T
S/N: 60869314 (PID: 88)

Follow-up on:
04/09/2017
07:39

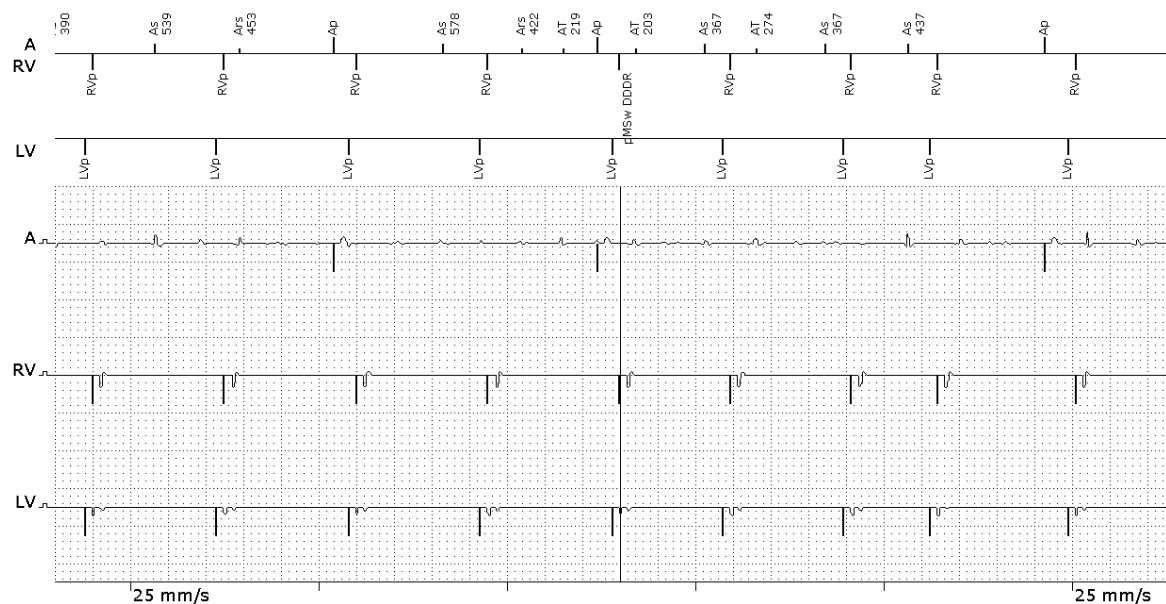
Recordings - IEGM

Episode: **1034**



Follow-up on:
.....
04/09/2017
.....
07:39

Episode:	1034
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Patient Sojka, Borivoj

Device Itrevia 7 HF-T

S/N: 60869314 (PID: 88)

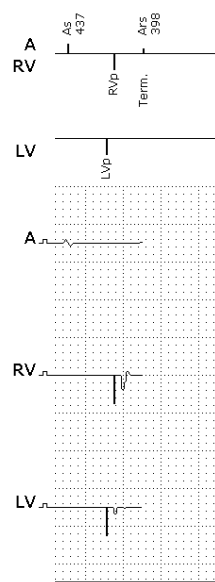
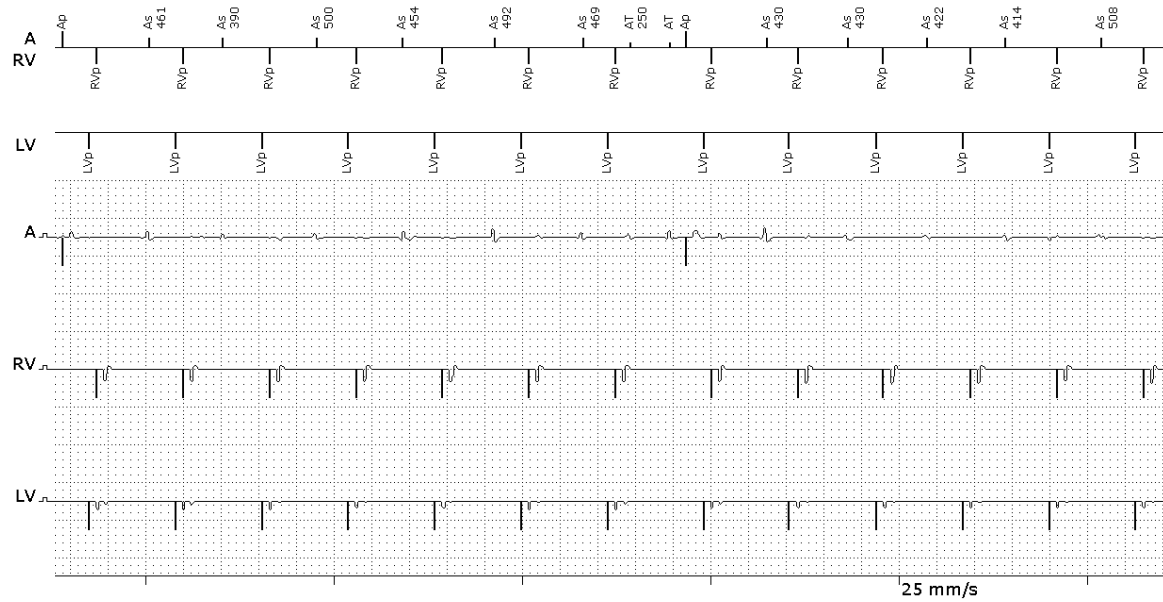
Follow-up on:

04/09/2017

07:39

Recordings - IEGM

Episode: 1034



Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:39

Recordings - Details	Episode: 1037
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EGM of episode No.	1037
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Detection

Zone	AT/AF monitoring
Measured Onset in V [%]	***
Measured stability in V [ms]	29

	VT1	VT2	VF
Redetections	0	0	0

Therapy

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

Times

Detection	03/09/2017 00:51:38
Termination	03/09/2017 00:52:30
Duration	0:00:52

Program No.	17
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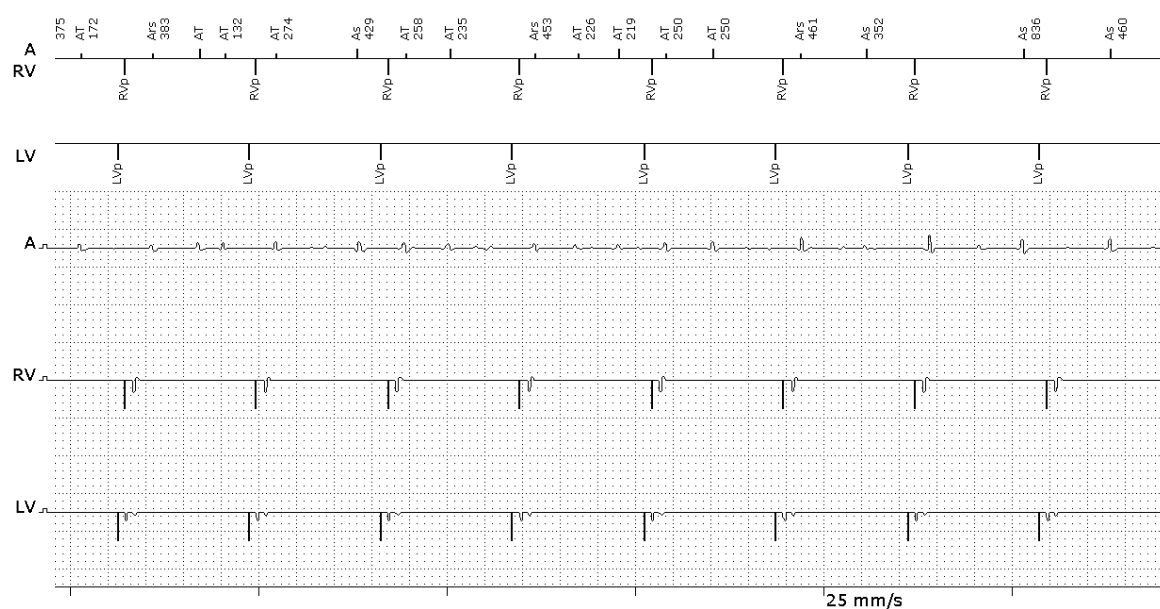
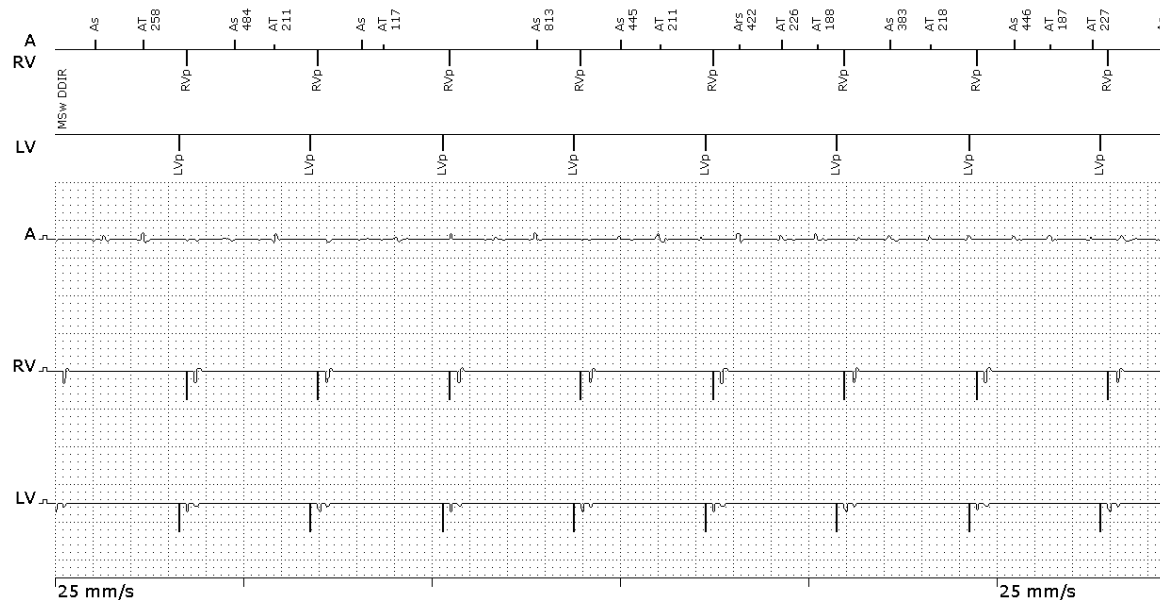
Remark

Patient Sojka, Borivoj
Device Itrevia 7 HF-T
S/N: 60869314 (PID: 88)

Follow-up on:
04/09/2017
07:39

Recordings - IEGM

Episode: **1037**



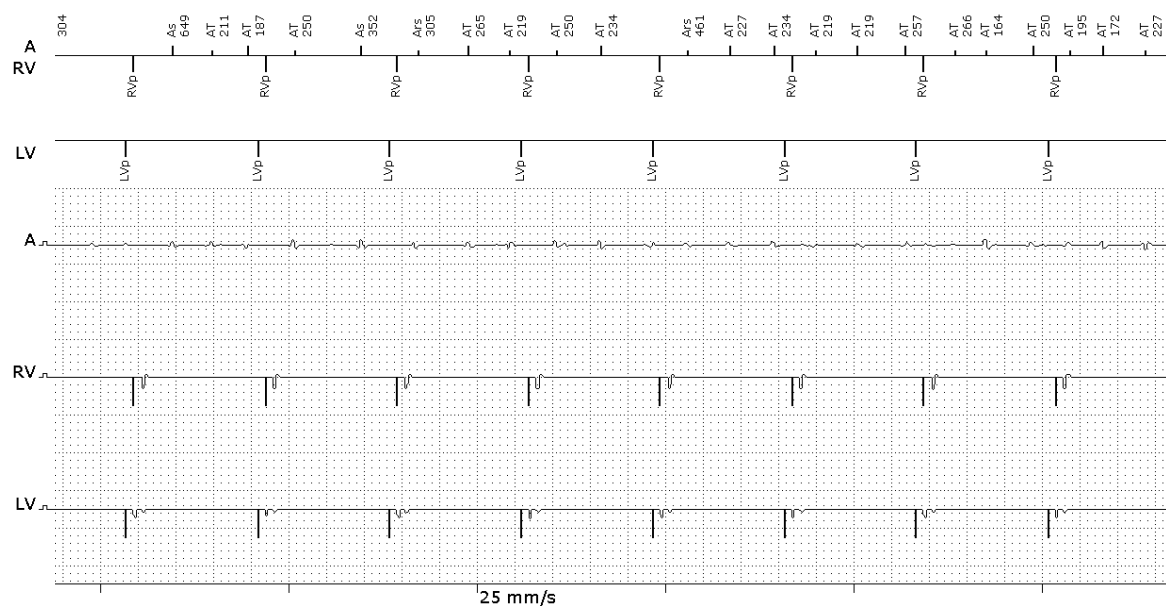
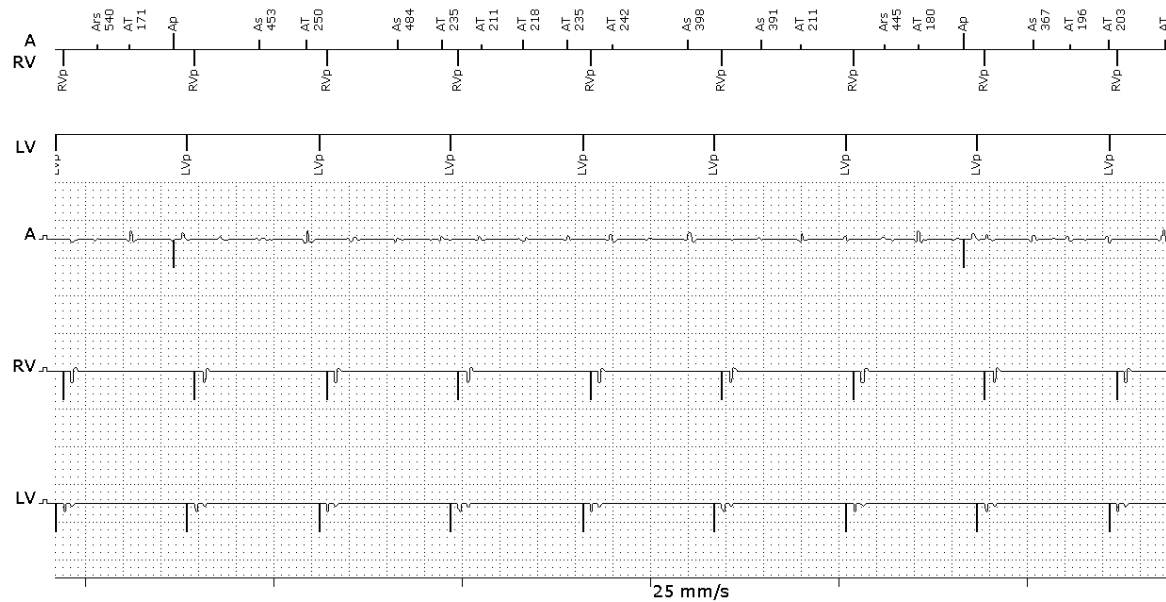
Follow-up on:

04/09/2017

07:39

Recordings - IEGM

Episode:	1037
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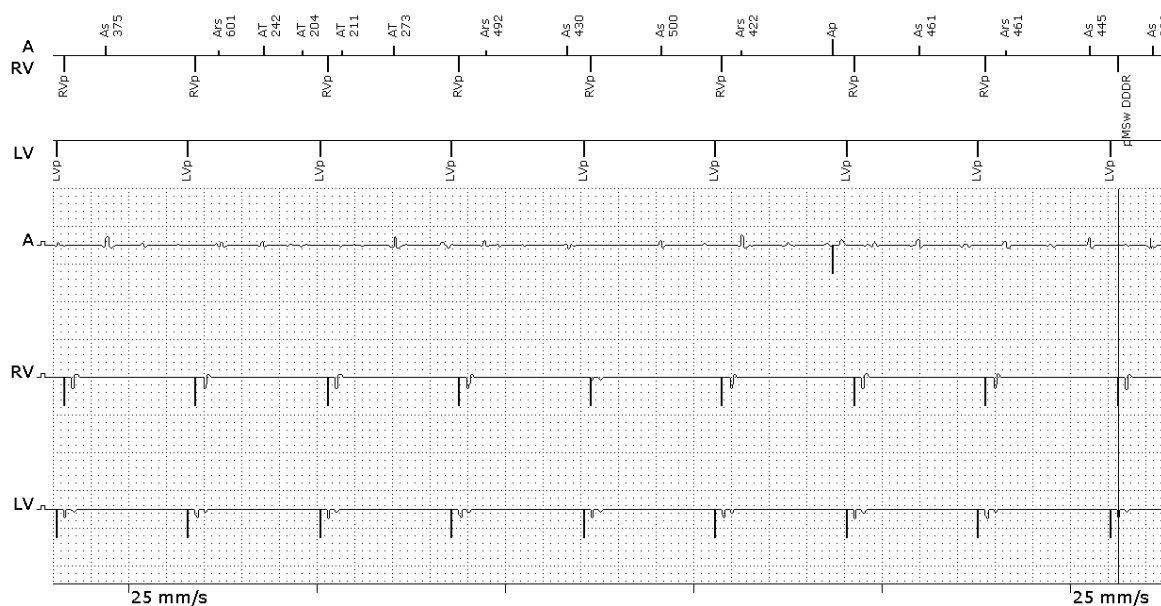
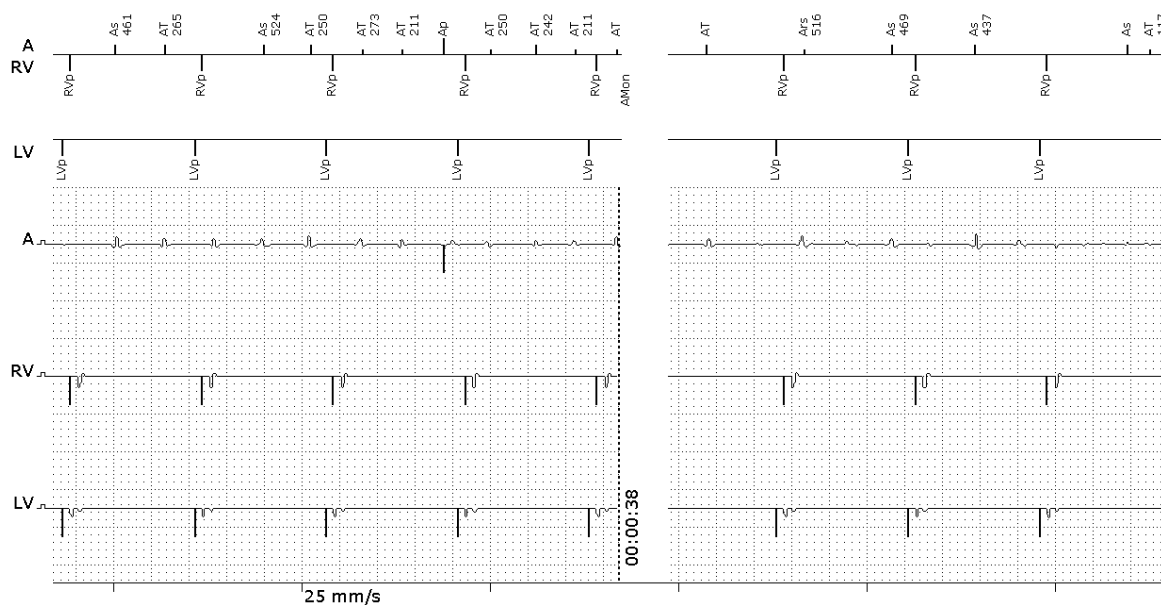


Patient Sojka, Borivoj
Device Itrevia 7 HF-T
S/N: 60869314 (PID: 88)

Follow-up on:
04/09/2017
07:39

Recordings - IEGM

Episode: 1037

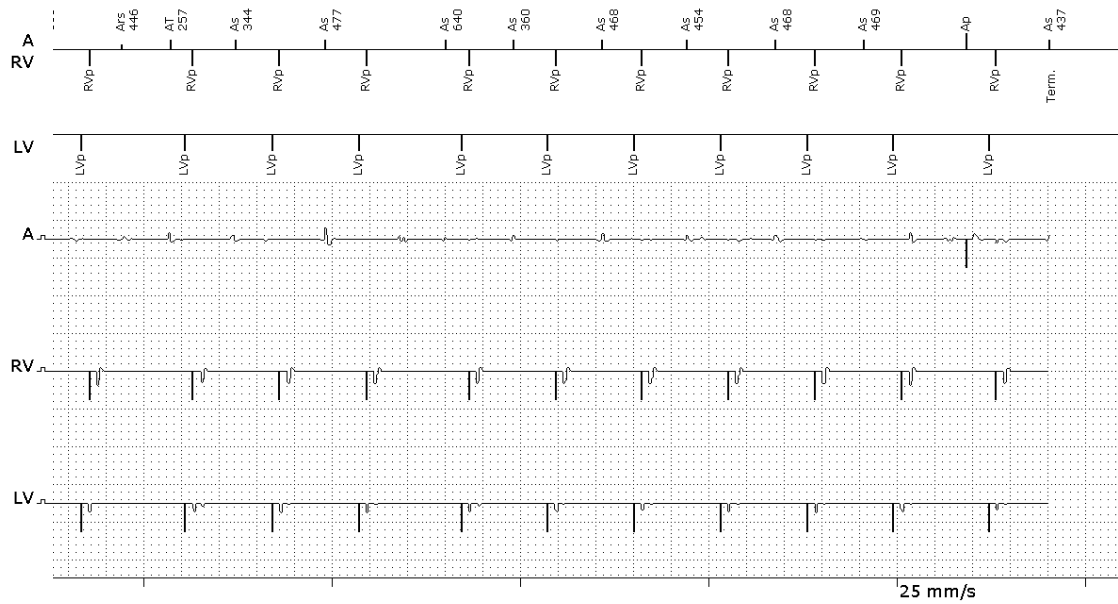


Patient Sojka, Borivoj
Device Itrevia 7 HF-T
S/N: 60869314 (PID: 88)

Follow-up on:
04/09/2017
07:39

Recordings - IEGM

Episode: 1037



Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:40

Recordings - Details	Episode: 1038
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EGM of episode No.	1038
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Detection

Zone	AT/AF monitoring
Measured Onset in V [%]	***
Measured stability in V [ms]	57

	VT1	VT2	VF
Redetections	0	0	0

Therapy

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

Times

Detection	03/09/2017 00:59:34
Termination	03/09/2017 01:08:07
Duration	0:08:33

Program No.	17
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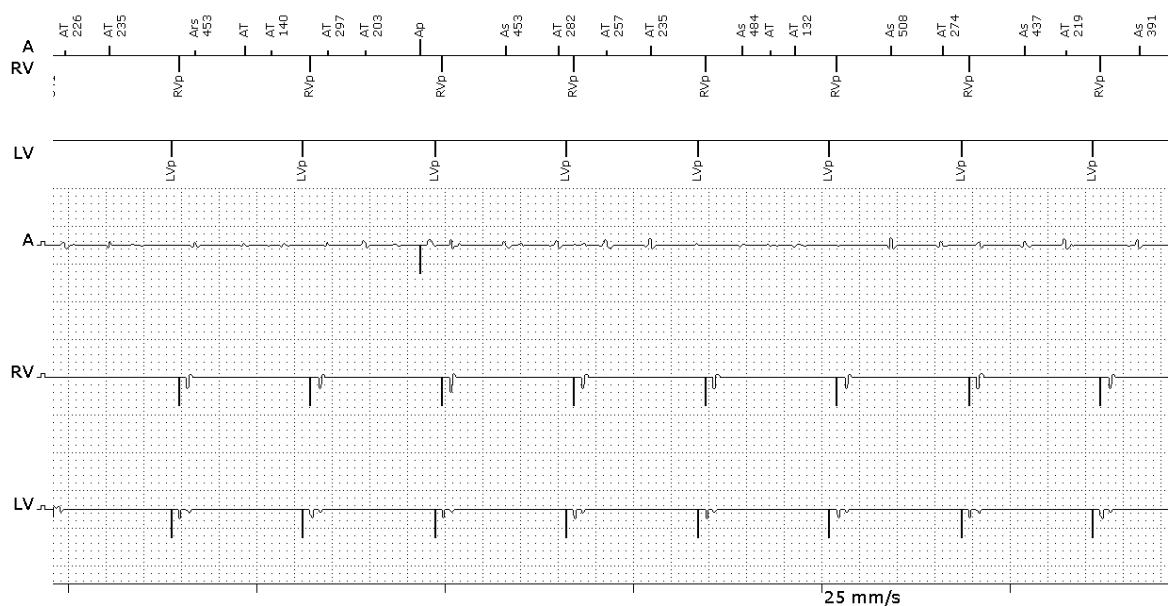
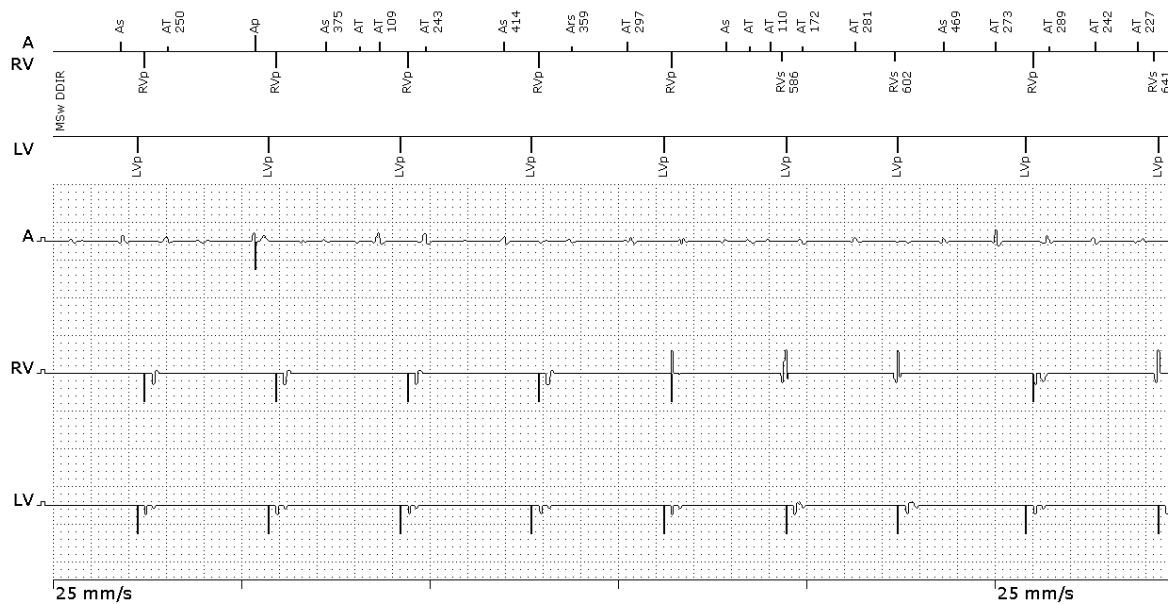
Remark

Patient Sojka, Borivoj
Device Itrevia 7 HF-T
S/N: 60869314 (PID: 88)

Follow-up on:
04/09/2017
07:40

Recordings - IEGM

Episode: 1038

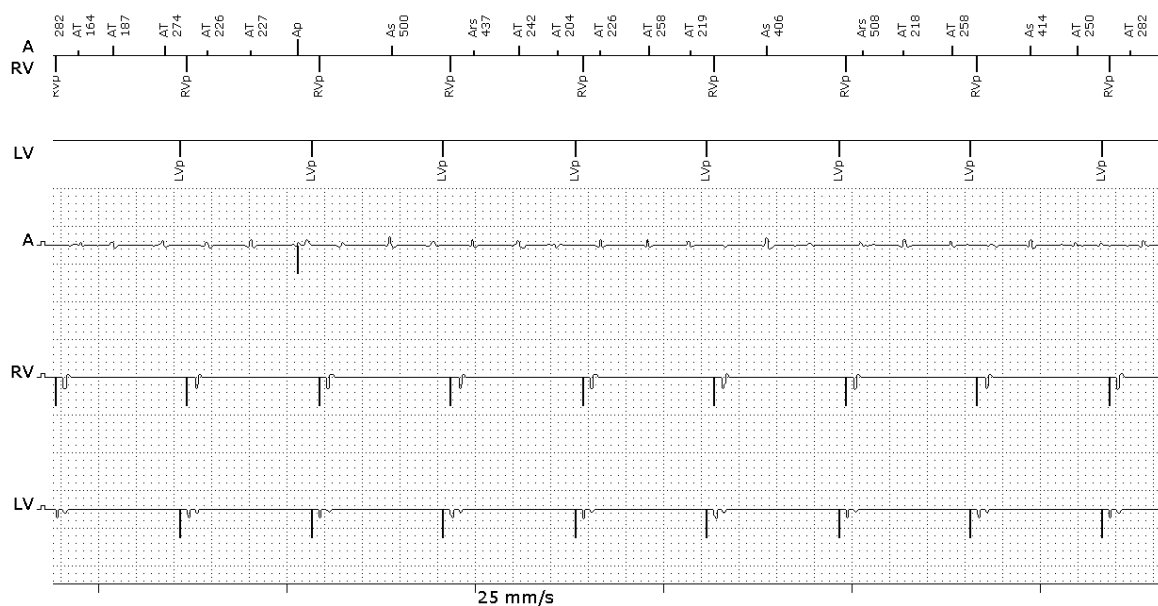
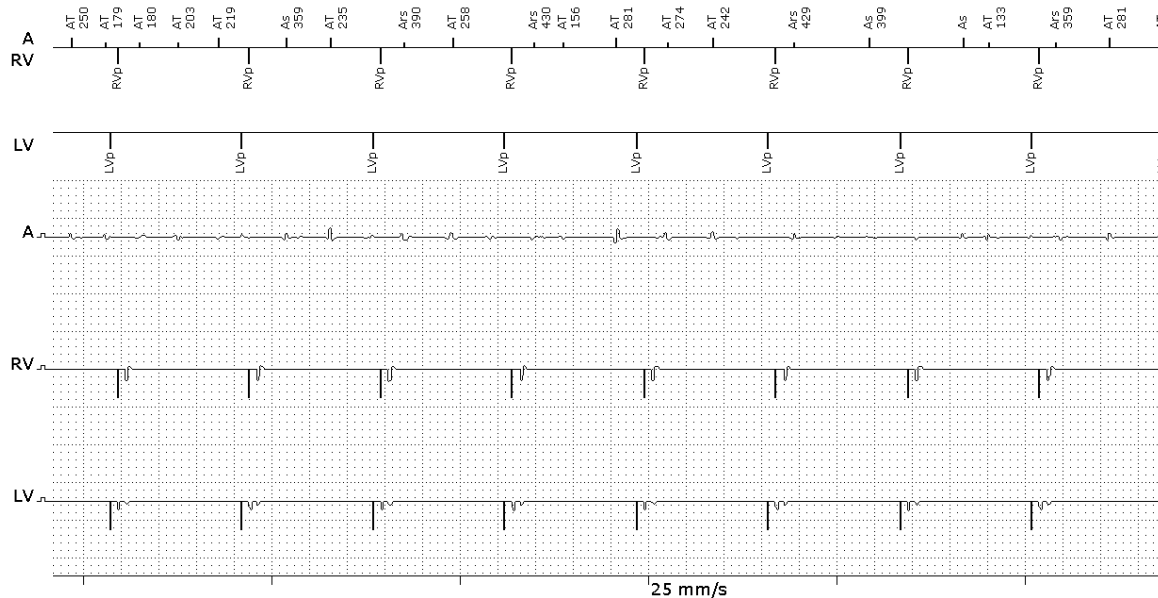


Patient Sojka, Borivoj
Device Itrevia 7 HF-T
S/N: 60869314 (PID: 88)

Follow-up on:
04/09/2017
07:40

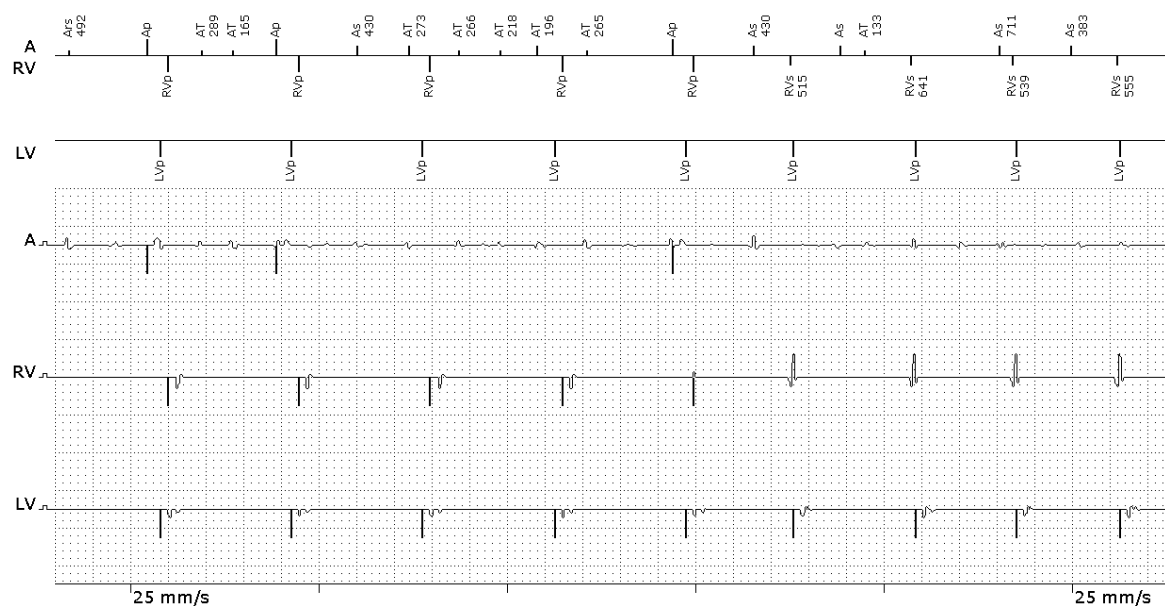
Recordings - IEGM

Episode: 1038



Follow-up on:
.....
04/09/2017
.....
07:40

Episode: **1038**



Patient Sojka, Borivoj

Device Itrevia 7 HF-T

S/N: 60869314 (PID: 88)

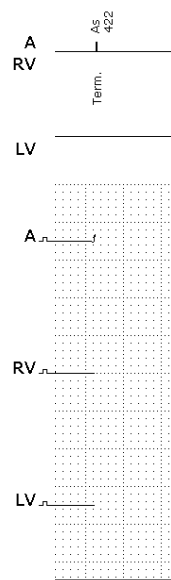
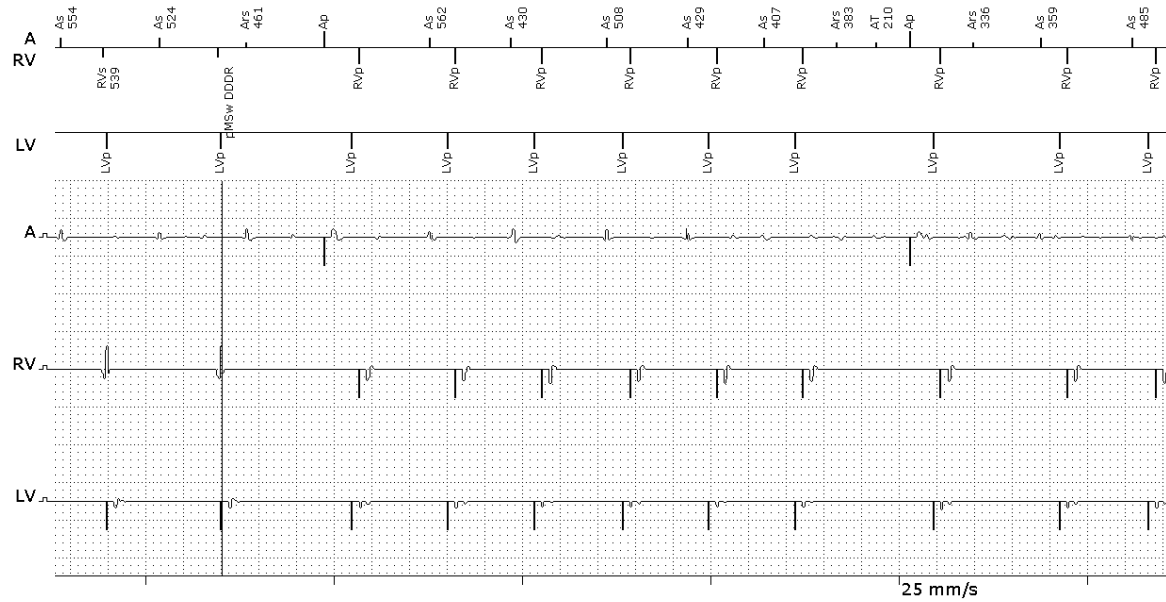
Follow-up on:

04/09/2017

07:40

Recordings - IEGM

Episode: 1038



Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:40

Recordings - Details	Episode: 1039
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EGM of episode No.	1039
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Detection

Zone	AT/AF monitoring
Measured Onset in V [%]	***
Measured stability in V [ms]	119

	VT1	VT2	VF
Redetections	0	0	0

Therapy

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

Times

Detection	03/09/2017 01:14:44
Termination	03/09/2017 01:41:51
Duration	0:27:07

Program No.	17
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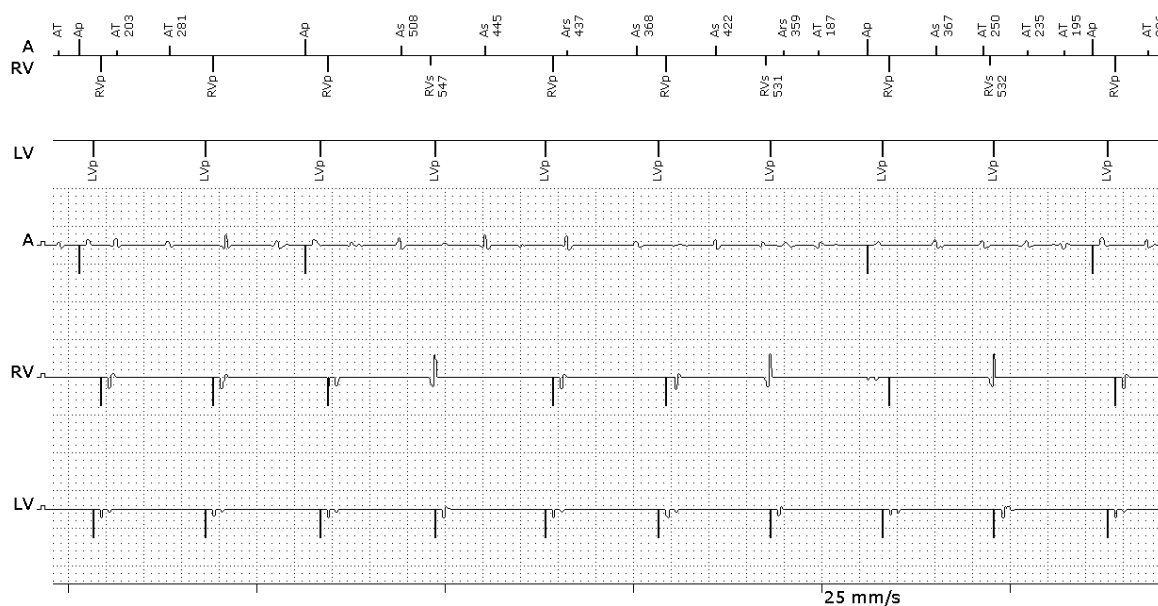
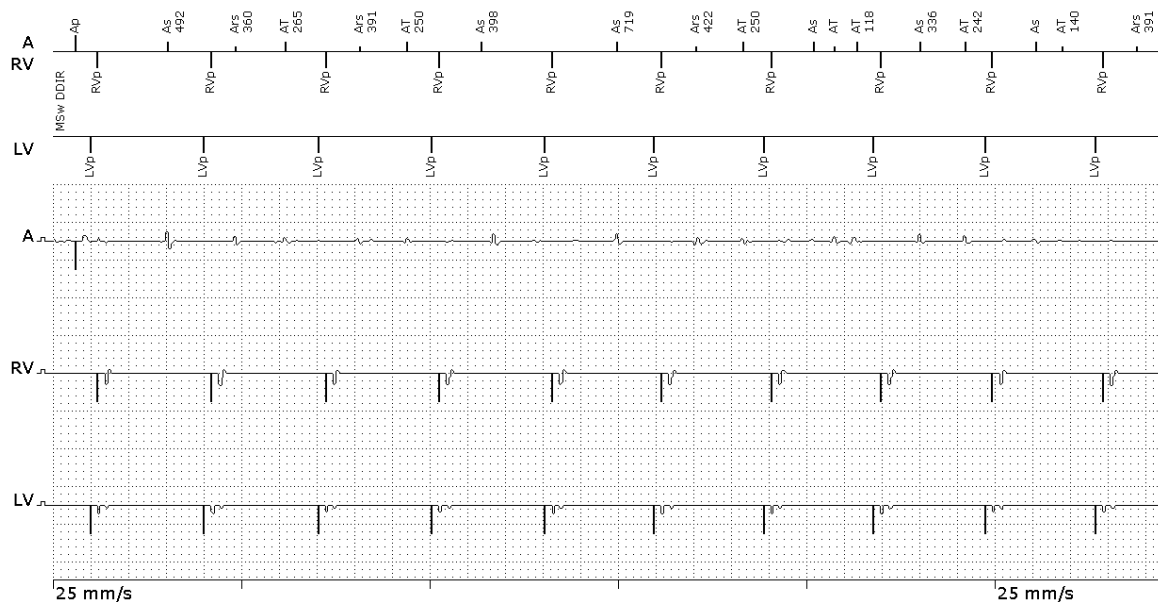
Remark

Patient Sojka, Borivoj
Device Itrevia 7 HF-T
S/N: 60869314 (PID: 88)

Follow-up on:
04/09/2017
07:40

Recordings - IEGM

Episode: 1039

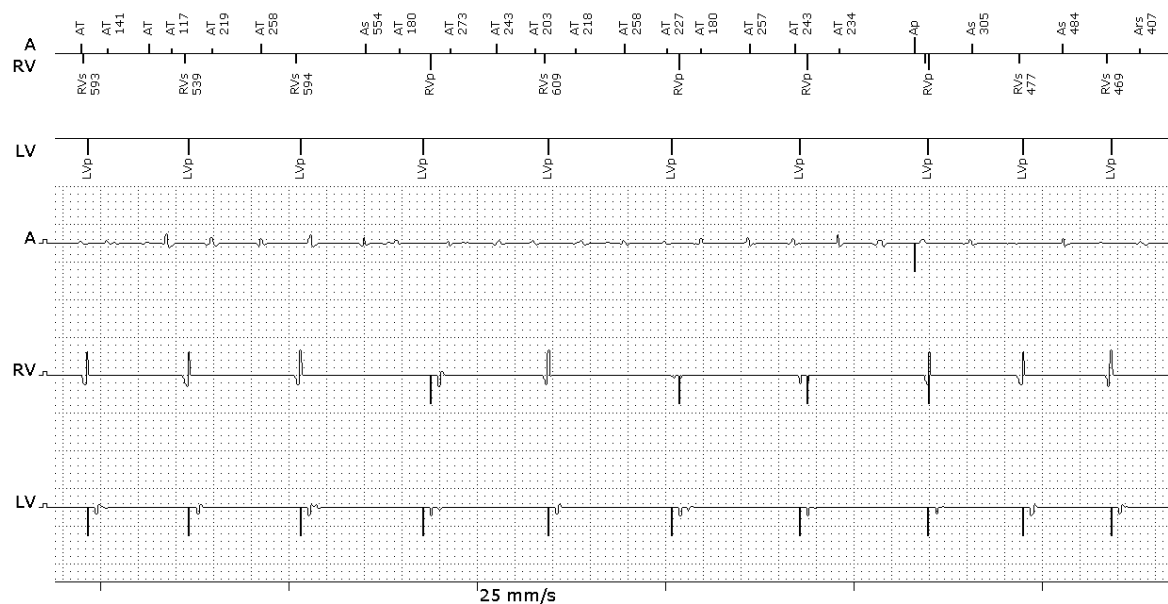
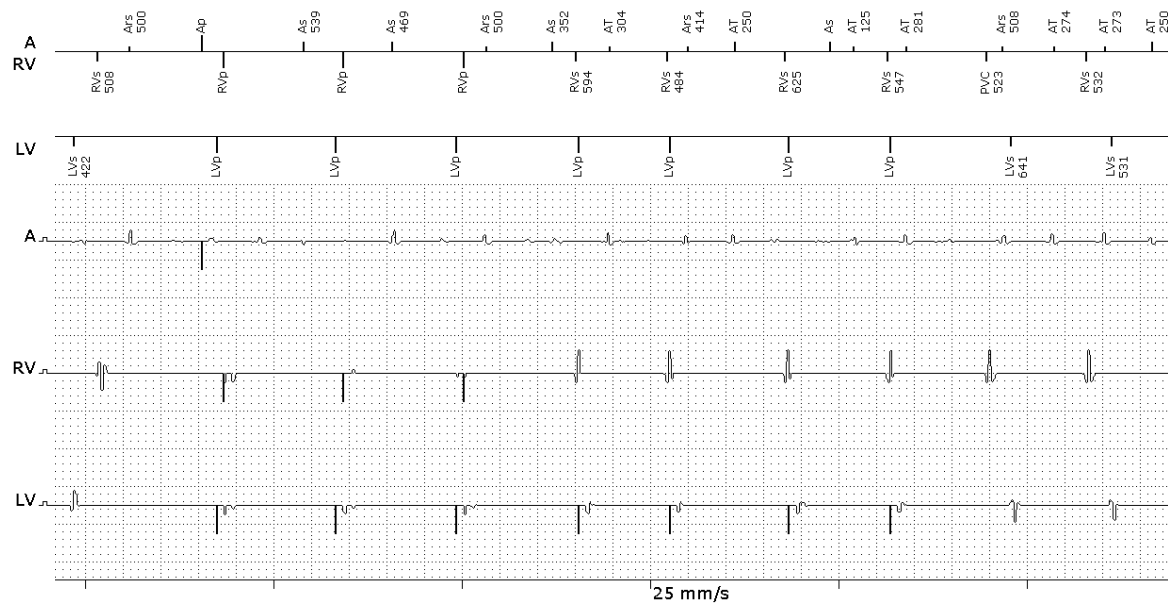


Patient Sojka, Borivoj
Device Itrevia 7 HF-T
S/N: 60869314 (PID: 88)

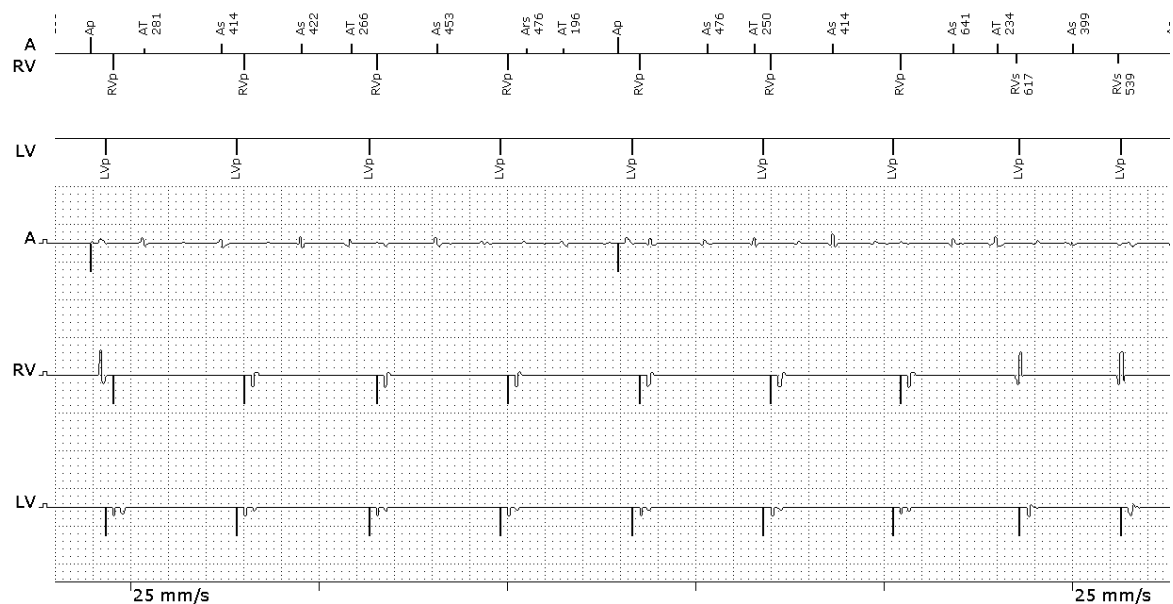
Follow-up on:
04/09/2017
07:40

Recordings - IEGM

Episode: 1039



Follow-up on:
.....
04/09/2017
.....
07:40

Episode: **1039**

Patient Sojka, Borivoj

Follow-up on:

Device Itrevia 7 HF-T

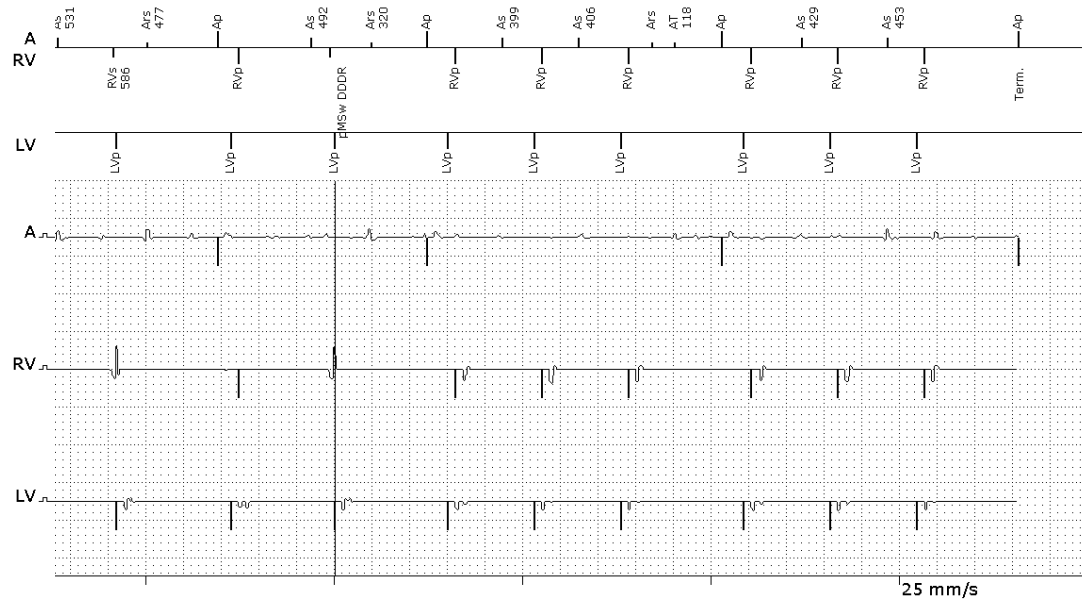
04/09/2017

S/N: 60869314 (PID: 88)

07:40

Recordings - IEGM

Episode: **1039**



Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:40

Recordings - Details	Episode: 1040
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EGM of episode No.	1040
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Detection	
Zone	AT/AF monitoring
Measured Onset in V [%]	***
Measured stability in V [ms]	244

	VT1	VT2	VF
Redetections	0	0	0

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

Times	
Detection	03/09/2017 01:53:26
Termination	03/09/2017 02:03:25
Duration	0:09:59

Program No.	17
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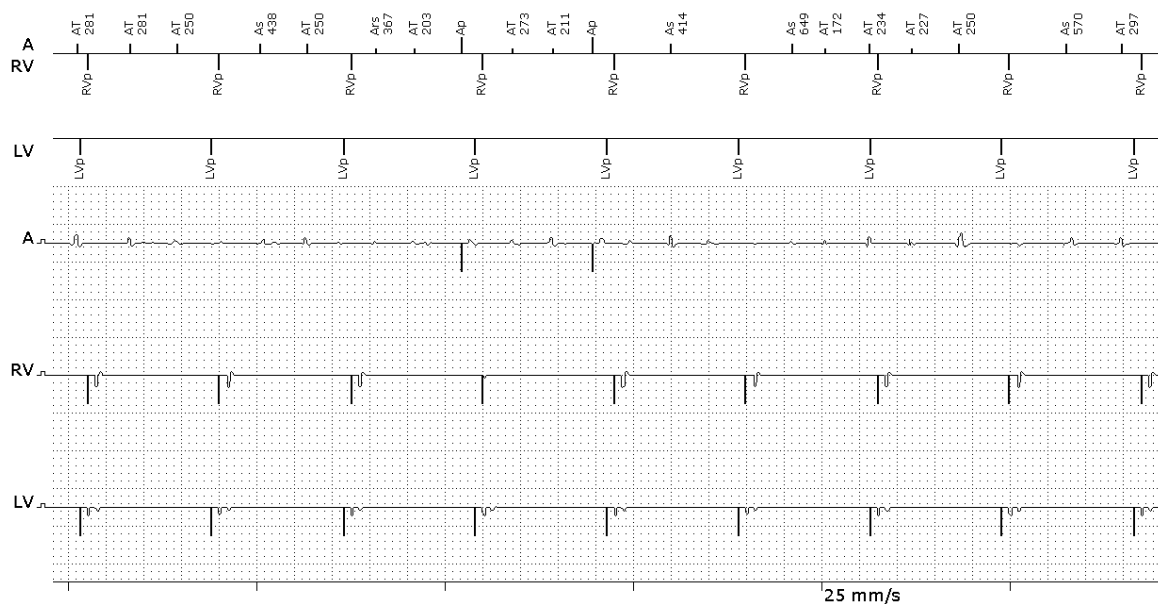
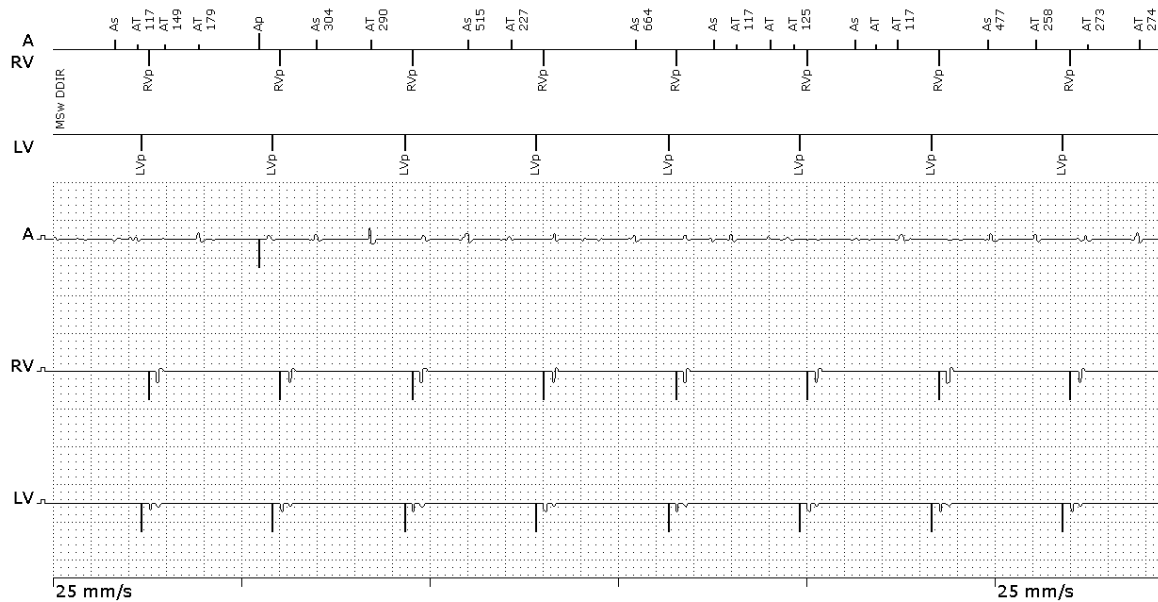
Remark

Patient Sojka, Borivoj
Device Itrevia 7 HF-T
S/N: 60869314 (PID: 88)

Follow-up on:
04/09/2017
07:40

Recordings - IEGM

Episode: **1040**

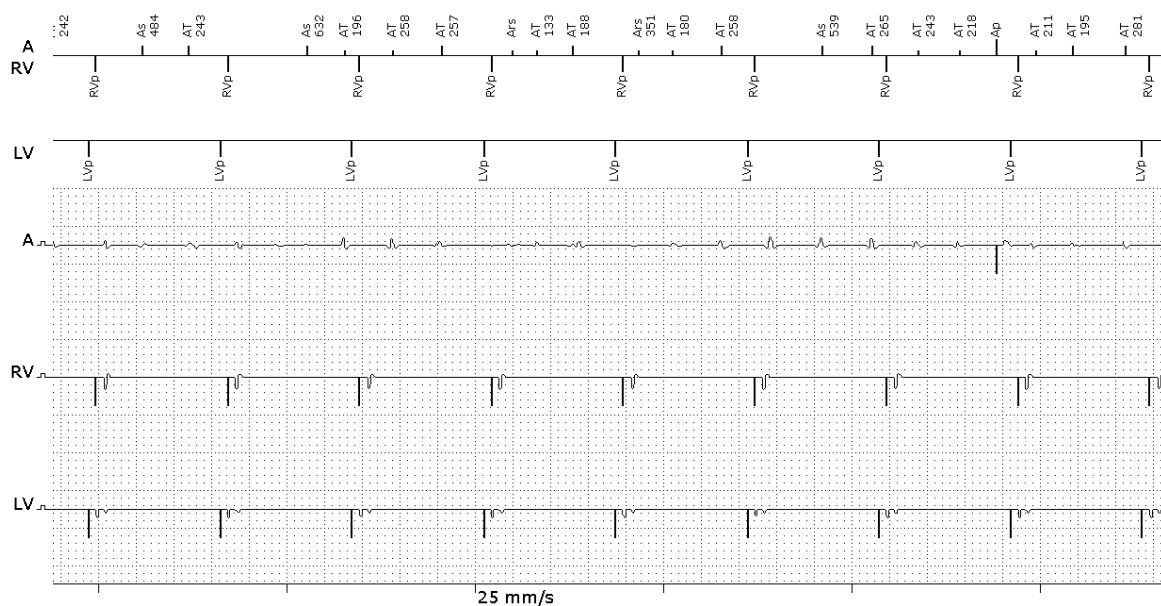
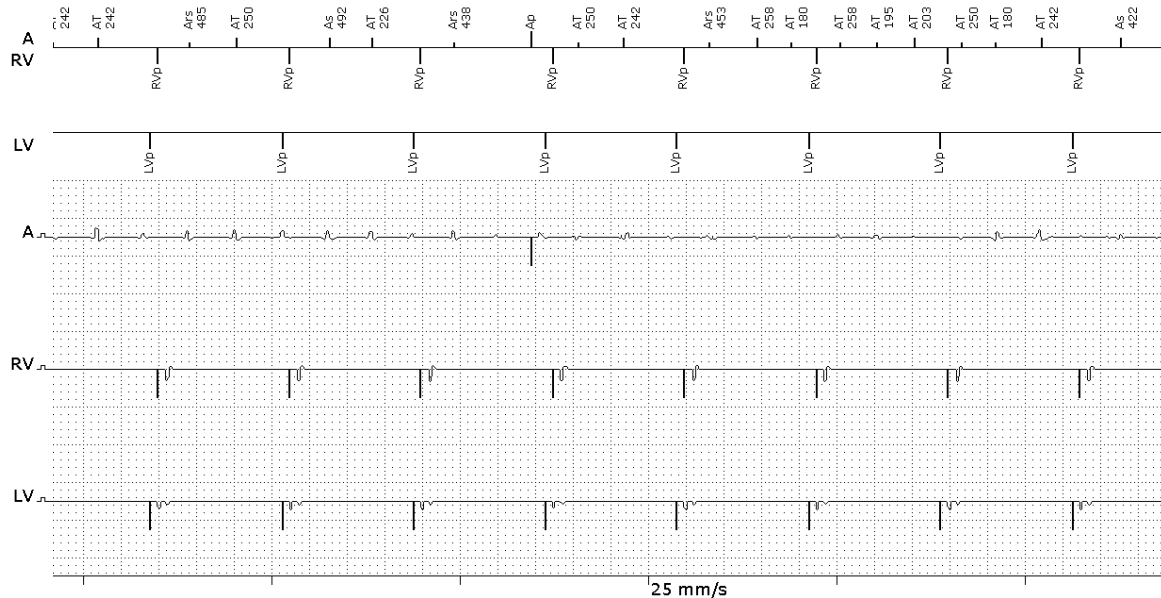


Patient Sojka, Borivoj
Device Itrevia 7 HF-T
S/N: 60869314 (PID: 88)

Follow-up on:
04/09/2017
07:40

Recordings - IEGM

Episode: 1040

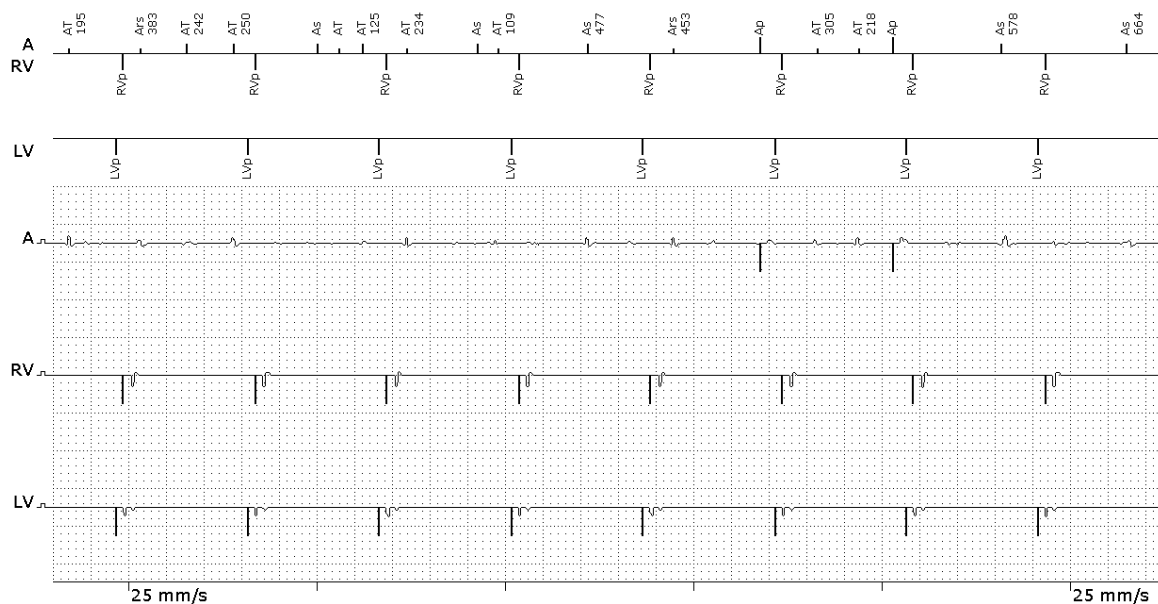
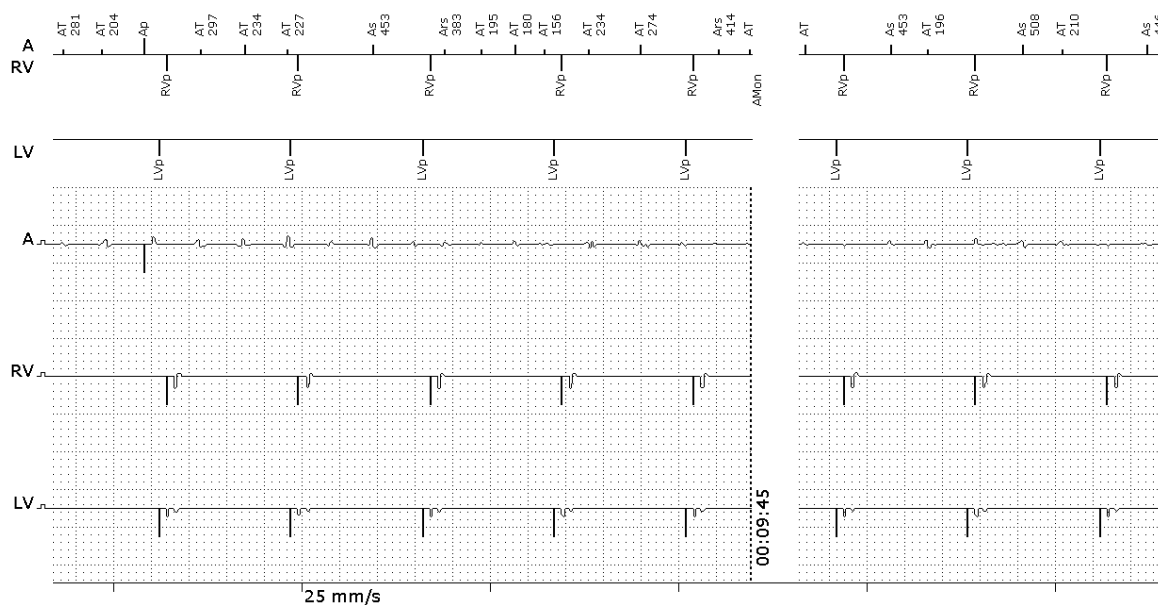


Patient Sojka, Borivoj
Device Itrevia 7 HF-T
S/N: 60869314 (PID: 88)

Follow-up on:
04/09/2017
07:40

Recordings - IEGM

Episode: **1040**



Patient Sojka, Borivoj

Device Itrevia 7 HF-T

S/N: 60869314 (PID: 88)

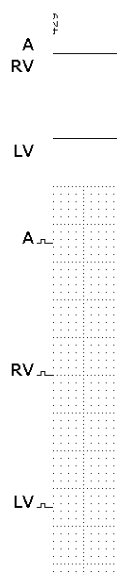
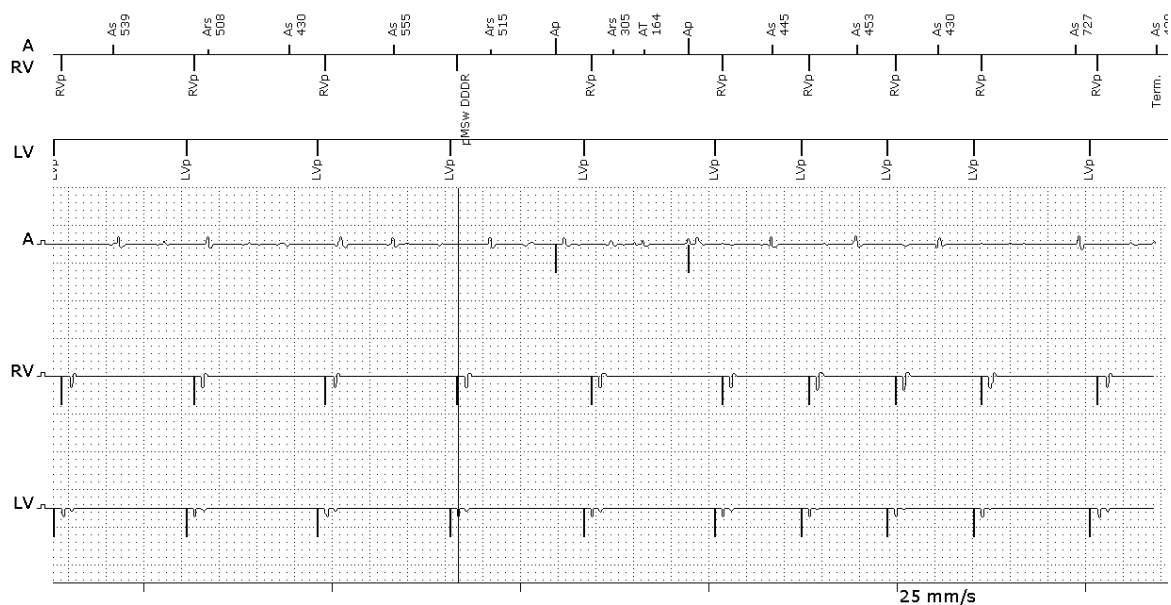
Follow-up on:

04/09/2017

07:40

Recordings - IEGM

Episode: 1040



Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:40

Recordings - Details

Episode: 1041

EGM of episode No. 1041

Detection

Zone	AT/AF monitoring
Measured Onset in V [%]	***
Measured stability in V [ms]	234

	VT1	VT2	VF
Redetections	0	0	0

Therapy

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

Times

Detection	03/09/2017 02:04:37
Termination	03/09/2017 02:14:33
Duration	0:09:56

Program No. 17

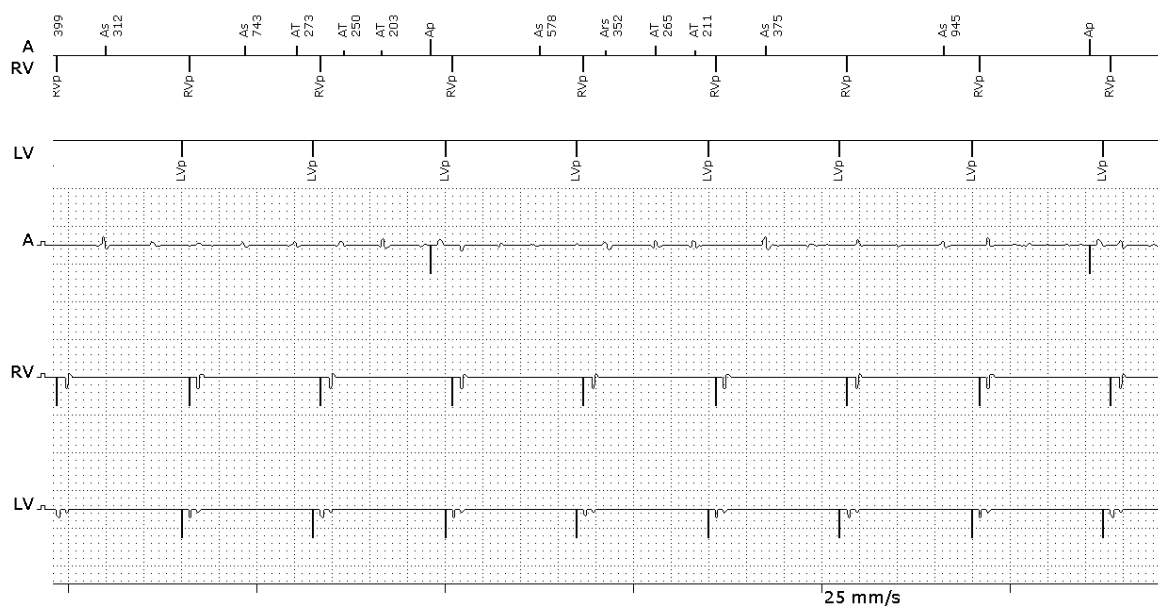
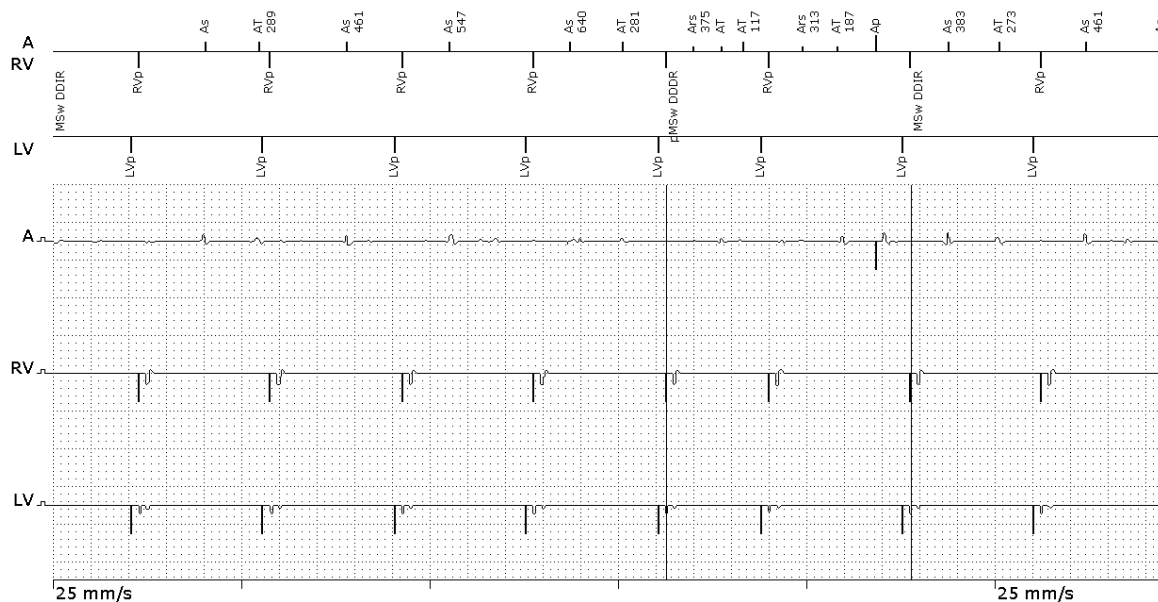
Remark

Patient Sojka, Borivoj
Device Itrevia 7 HF-T
S/N: 60869314 (PID: 88)

Follow-up on:
04/09/2017
07:40

Recordings - IEGM

Episode: **1041**



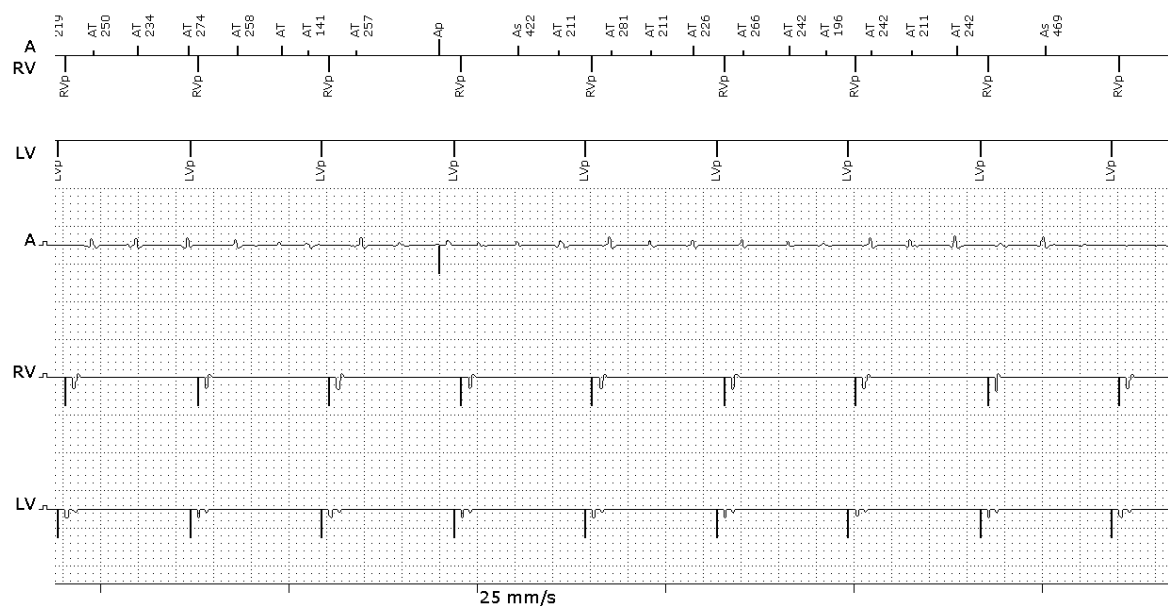
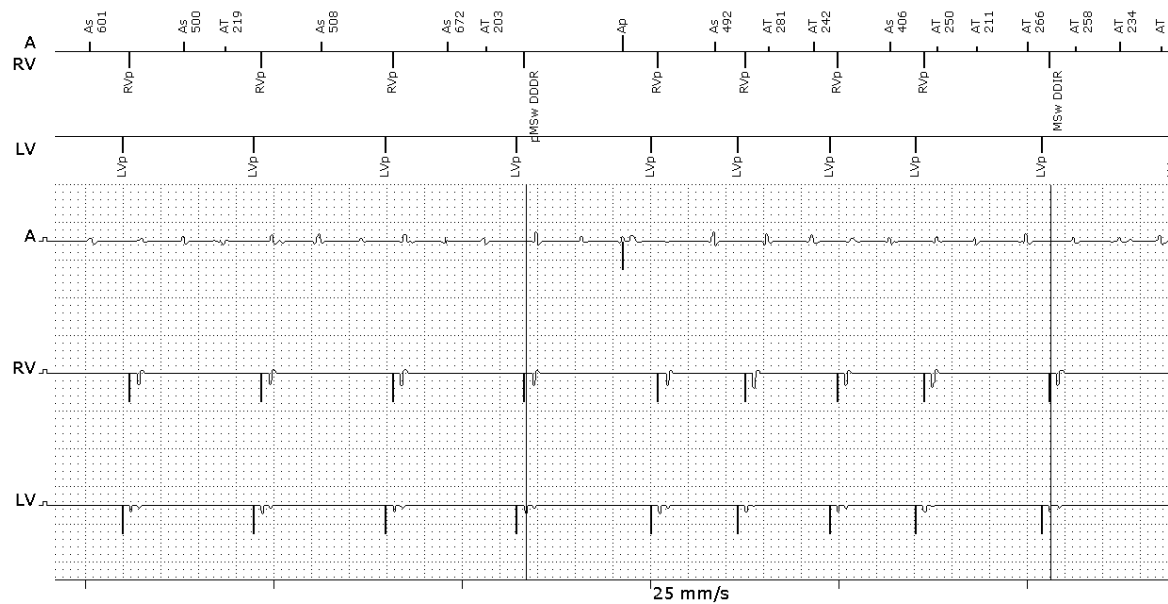
Follow-up on:

04/09/2017

07:40

Recordings - IEGM

Episode:	1041
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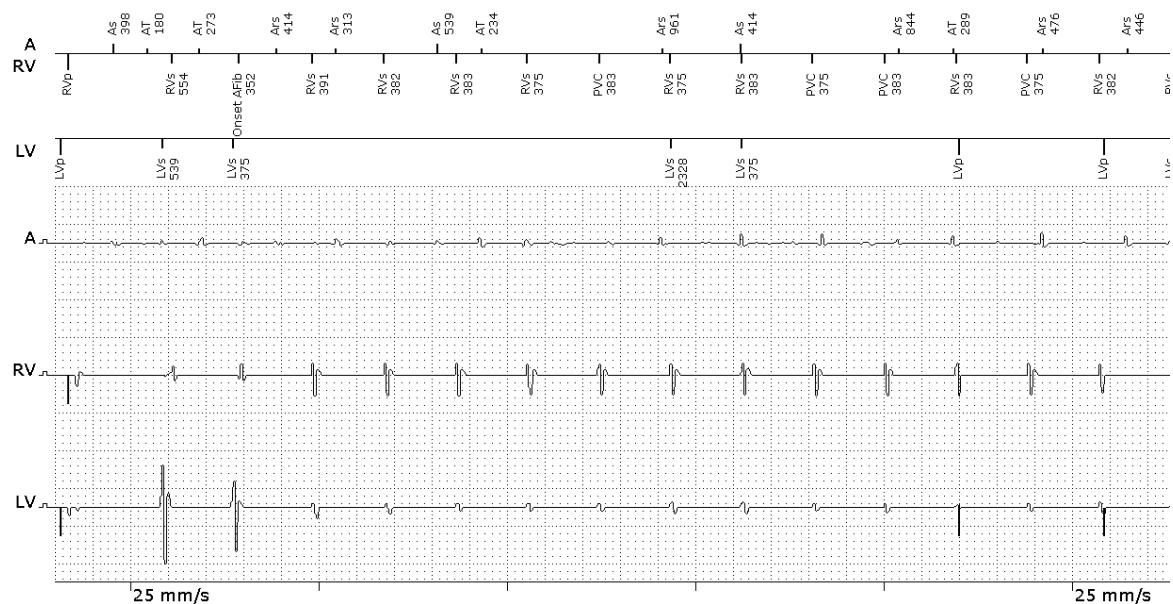
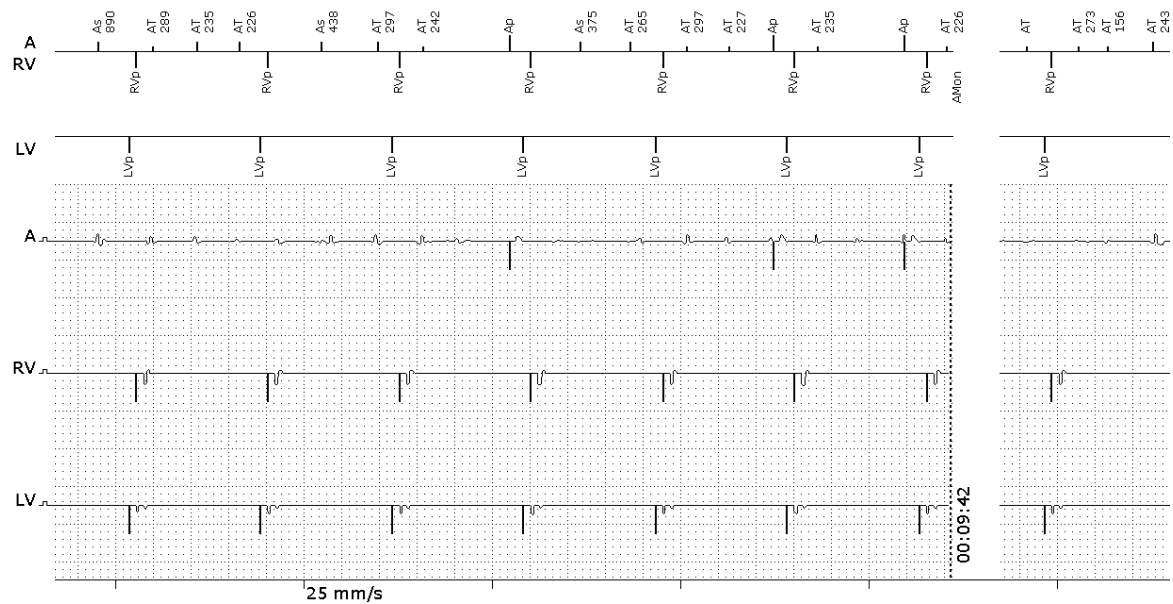
Follow-up on:

04/09/2017

07:40

Recordings - IEGM

Episode:	1041
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Patient Sojka, Borivoj

Device Itrevia 7 HF-T

S/N: 60869314 (PID: 88)

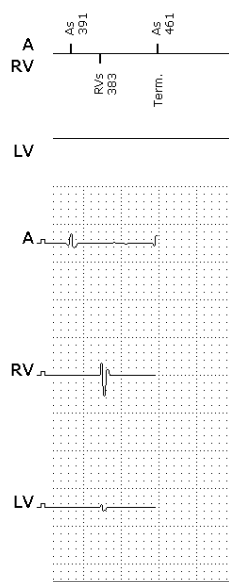
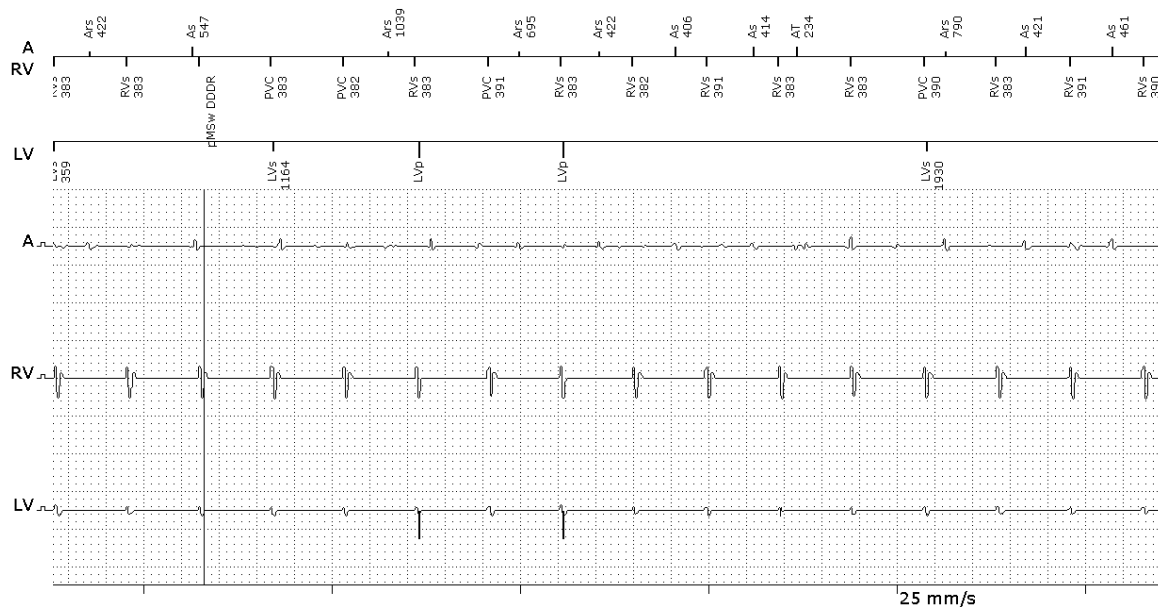
Follow-up on:

04/09/2017

07:40

Recordings - IEGM

Episode: **1041**



Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:41

Recordings - Details

Episode: 1042

EGM of episode No. 1042

Detection

Zone	AT/AF monitoring
Measured Onset in V [%]	***
Measured stability in V [ms]	107

	VT1	VT2	VF
Redetections	0	0	0

Therapy

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

Times

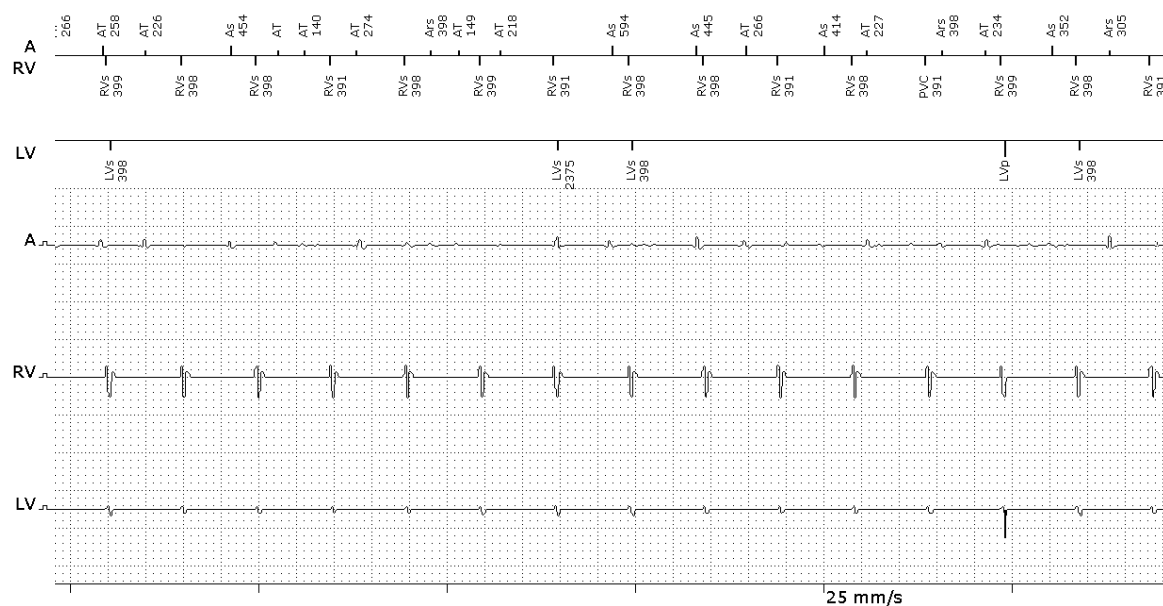
Detection	03/09/2017 02:20:19
Termination	03/09/2017 02:32:28
Duration	0:12:09

Program No. 17

Remark

Follow-up on:
.....
04/09/2017
.....
07:41

Episode: **1042**

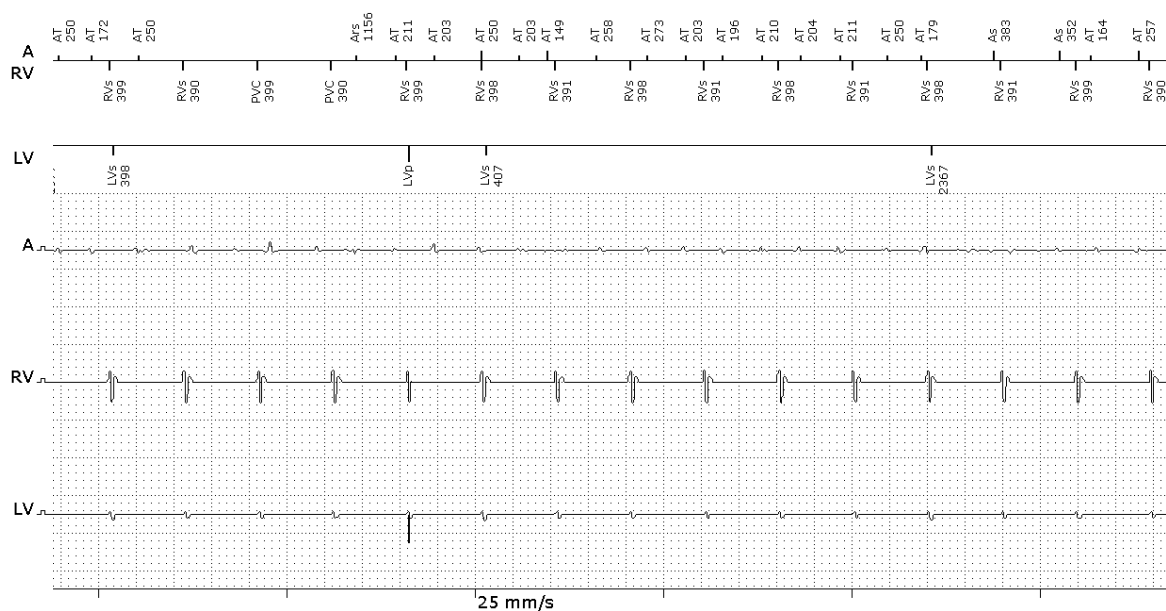
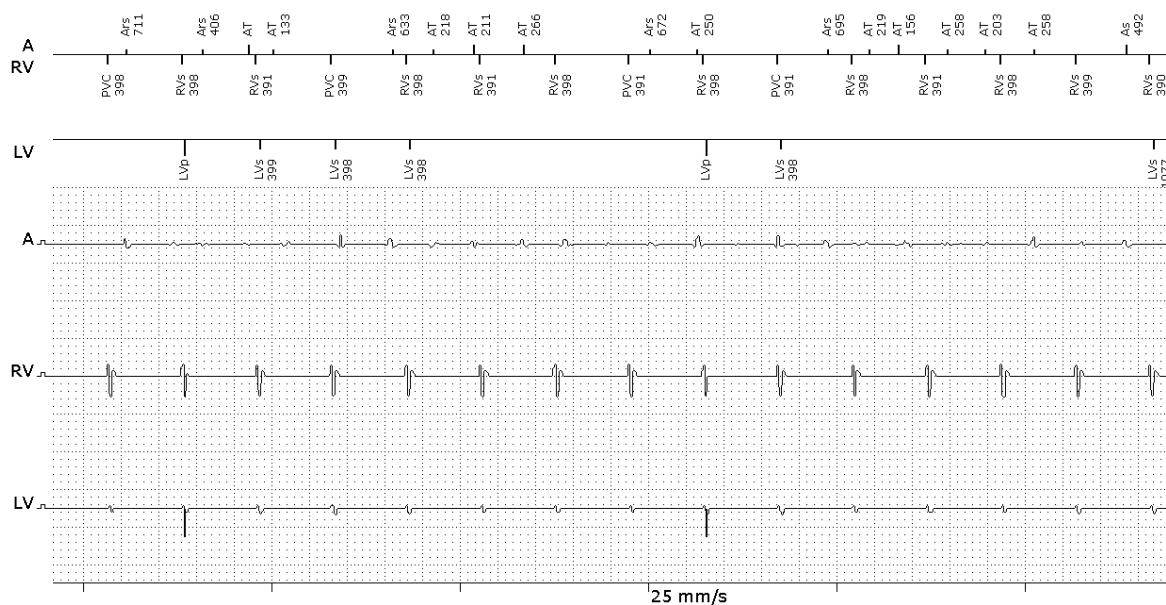


Patient Sojka, Borivoj
Device Itrevia 7 HF-T
S/N: 60869314 (PID: 88)

Follow-up on:
04/09/2017
07:41

Recordings - IEGM

Episode: 1042

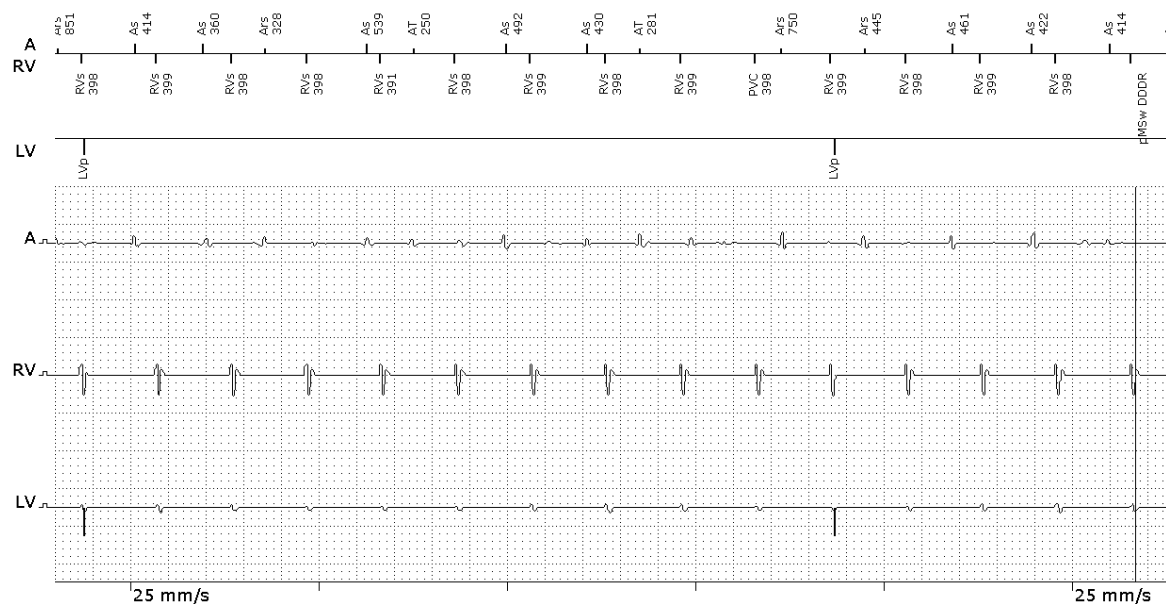
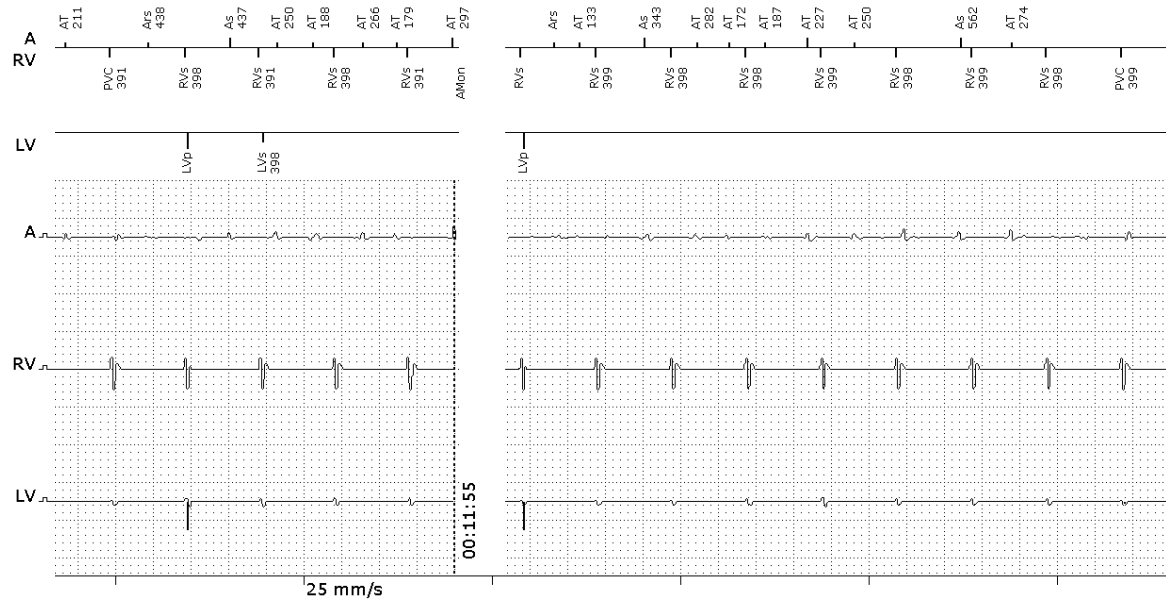


Patient Sojka, Borivoj
Device Itrevia 7 HF-T
S/N: 60869314 (PID: 88)

Follow-up on:
04/09/2017
07:41

Recordings - IEGM

Episode: **1042**

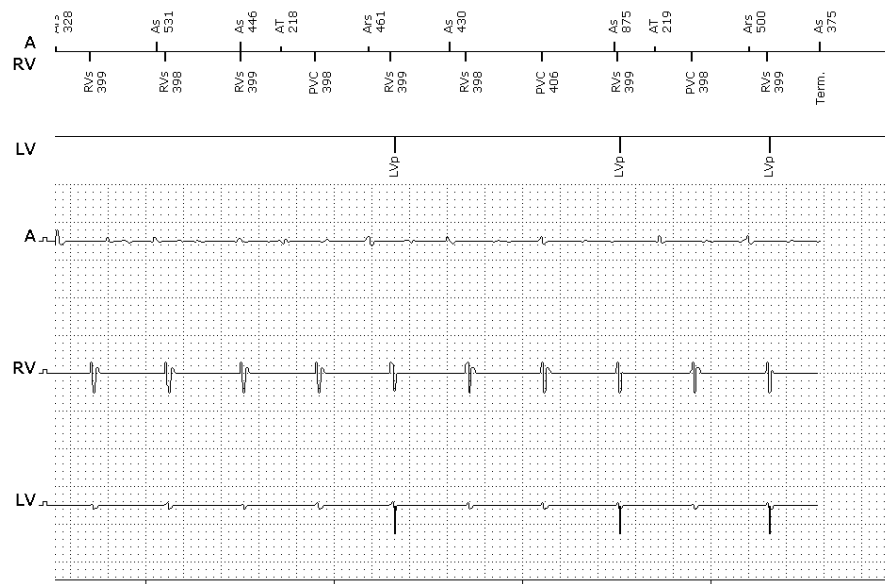


Patient Sojka, Borivoj
Device Itrevia 7 HF-T
S/N: 60869314 (PID: 88)

Follow-up on:
04/09/2017
07:41

Recordings - IEGM

Episode: 1042



Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:42

Recordings - Details

Episode: 1043

EGM of episode No. 1043

Detection

Zone	AT/AF monitoring
Measured Onset in V [%]	***
Measured stability in V [ms]	76

	VT1	VT2	VF
Redetections	0	0	0

Therapy

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

Times

Detection	03/09/2017 02:41:28
Termination	03/09/2017 03:51:48
Duration	1:10:20

Program No. 17

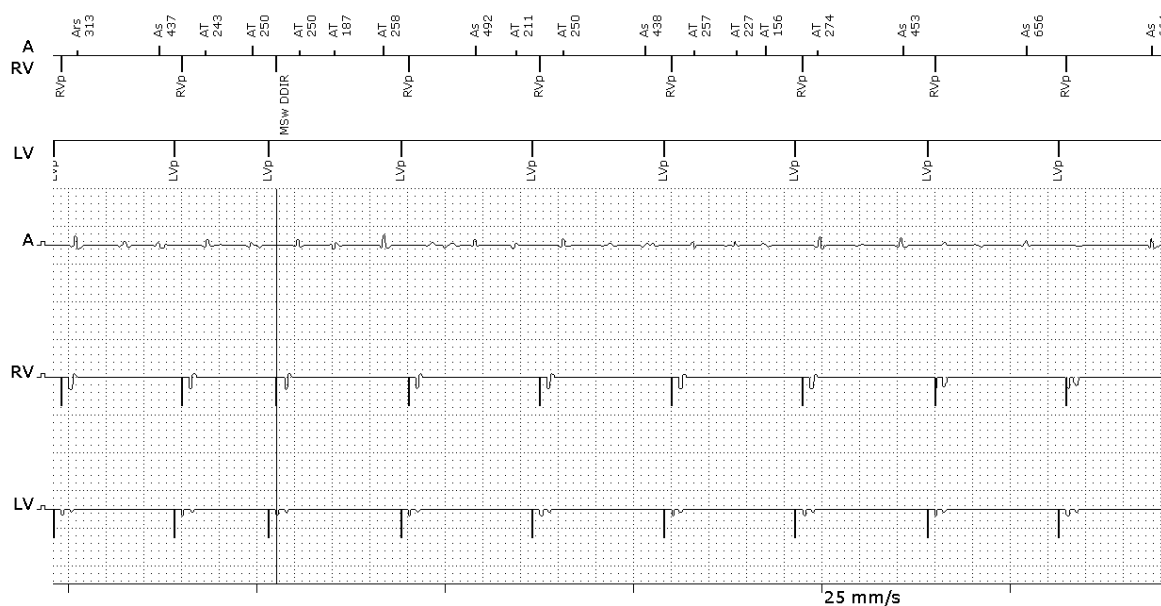
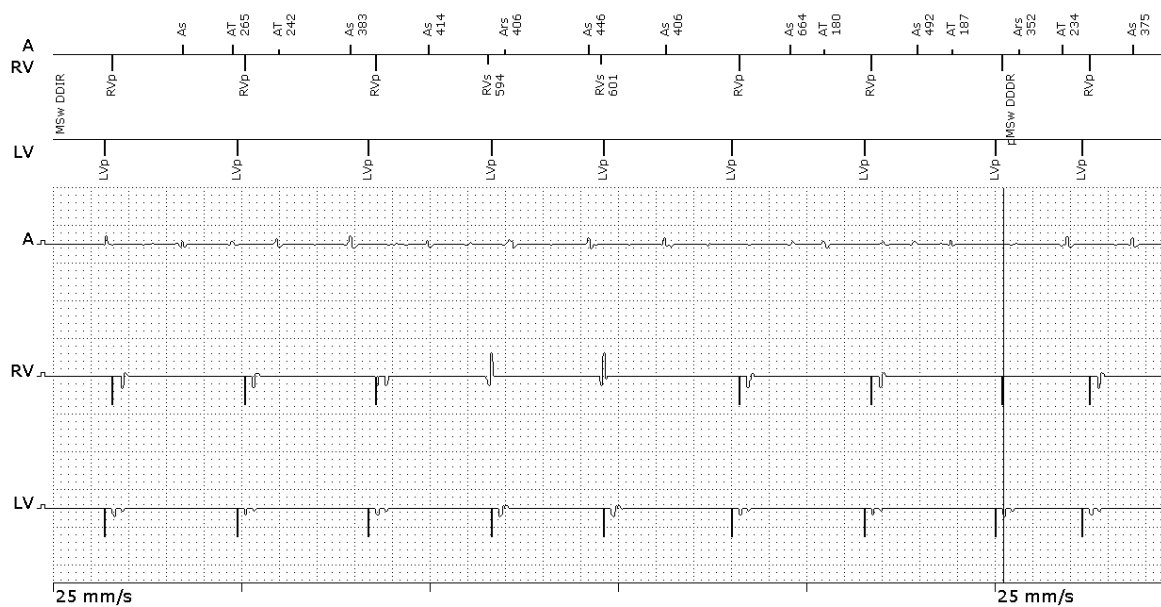
Remark

Patient Sojka, Borivoj
Device Itrevia 7 HF-T
S/N: 60869314 (PID: 88)

Follow-up on:
04/09/2017
07:42

Recordings - IEGM

Episode: **1043**

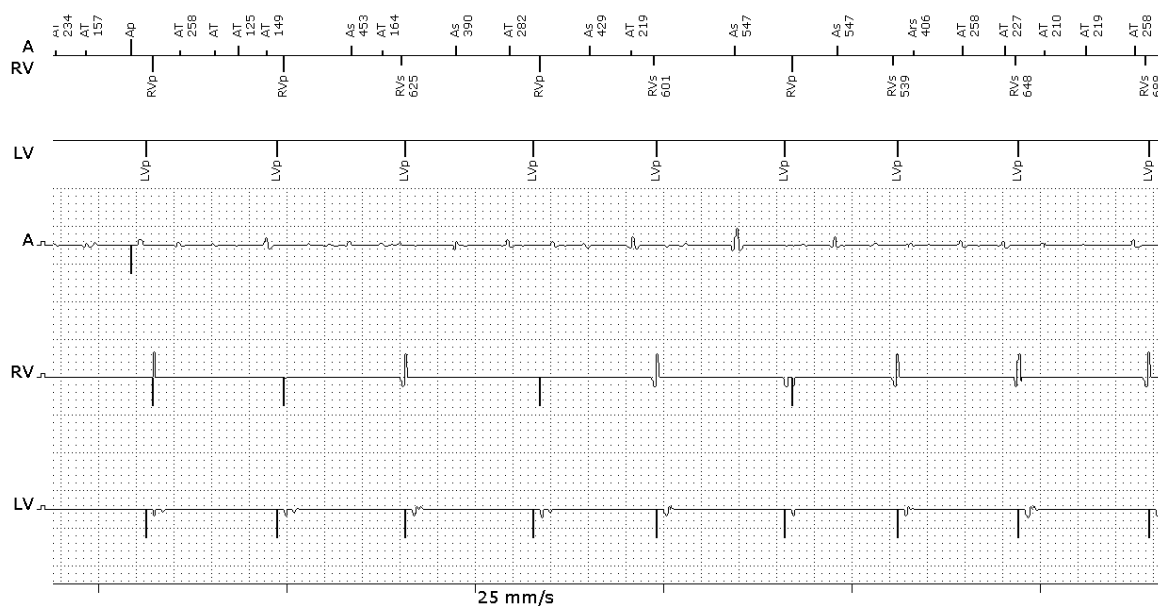
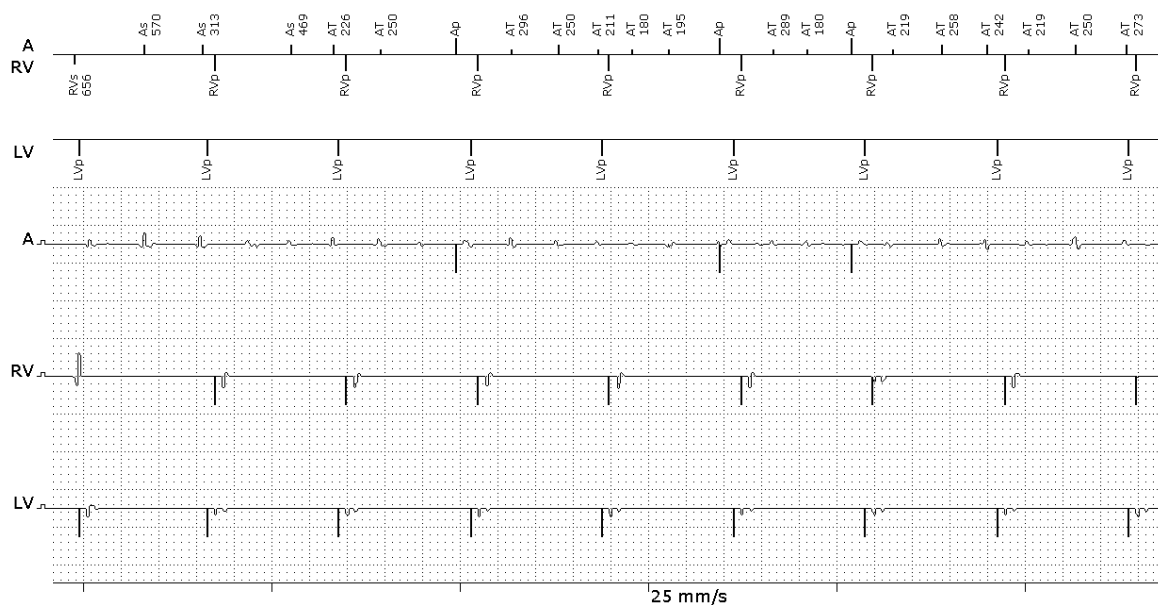


Patient Sojka, Borivoj
Device Itrevia 7 HF-T
S/N: 60869314 (PID: 88)

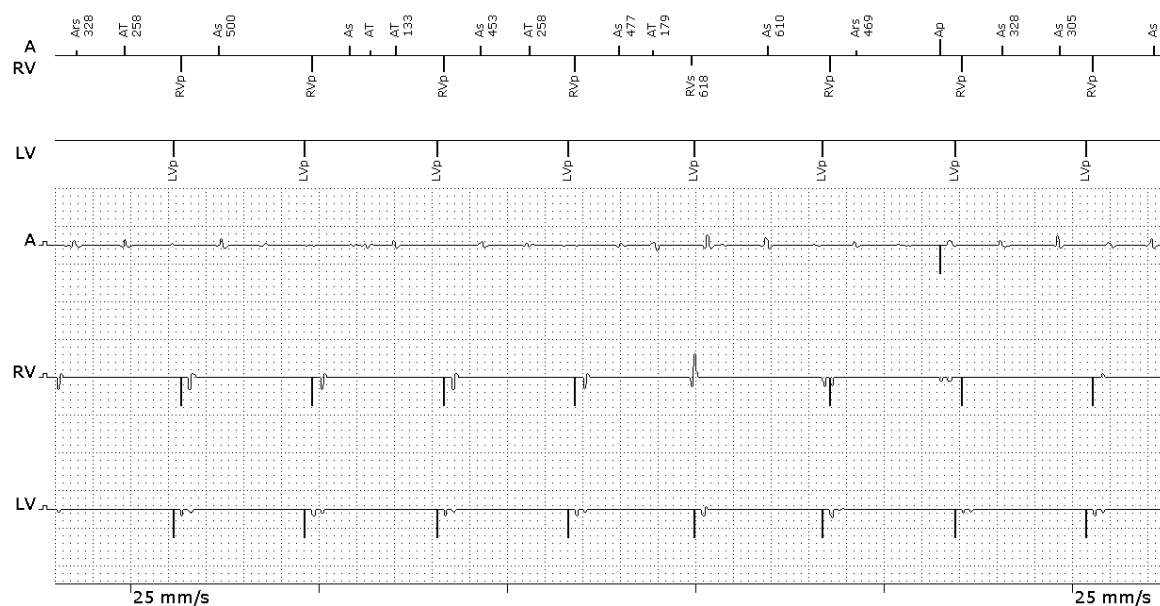
Follow-up on:
04/09/2017
07:42

Recordings - IEGM

Episode: **1043**



Follow-up on:
.....
04/09/2017
.....
07:42

Episode: **1043**

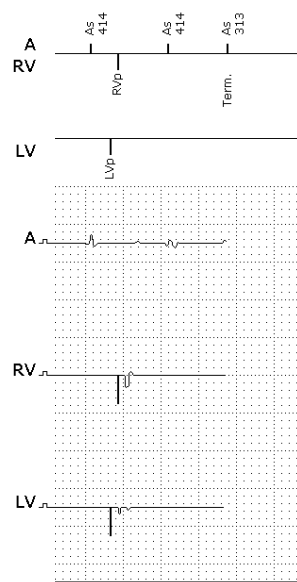
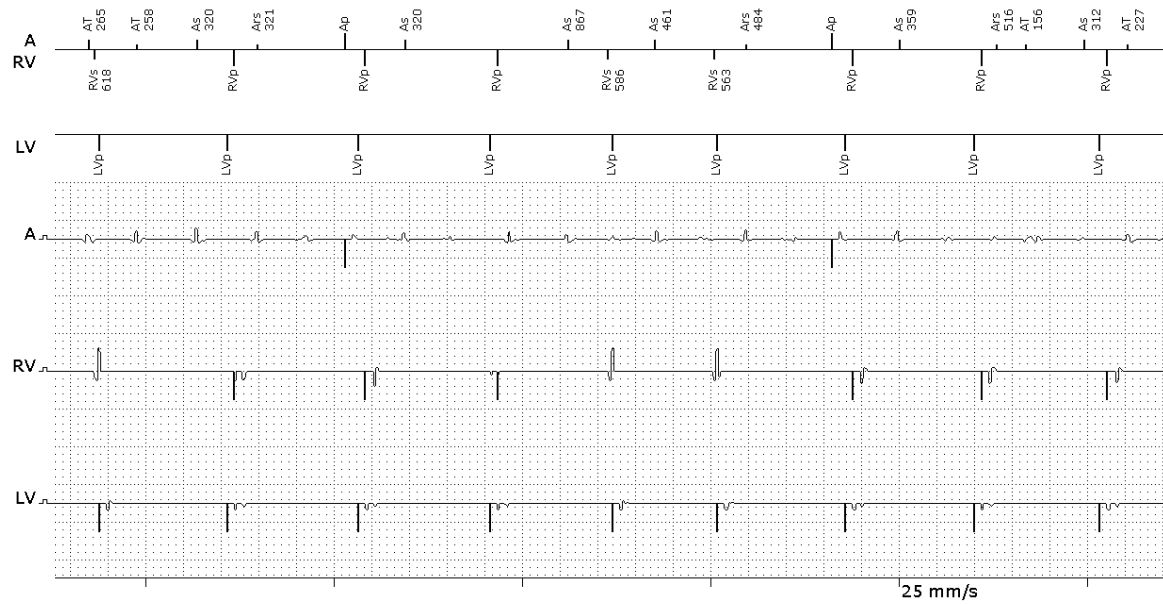
Follow-up on:

04/09/2017

07:42

Recordings - IEGM

Episode:	1043
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Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:43

Recordings - Details	Episode: 1045
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EGM of episode No.	1045
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Detection

Zone	AT/AF monitoring
Measured Onset in V [%]	***
Measured stability in V [ms]	152

	VT1	VT2	VF
Redetections	0	0	0

Therapy

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

Times

Detection	03/09/2017 04:23:56
Termination	03/09/2017 04:32:48
Duration	0:08:52

Program No.	17
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Remark

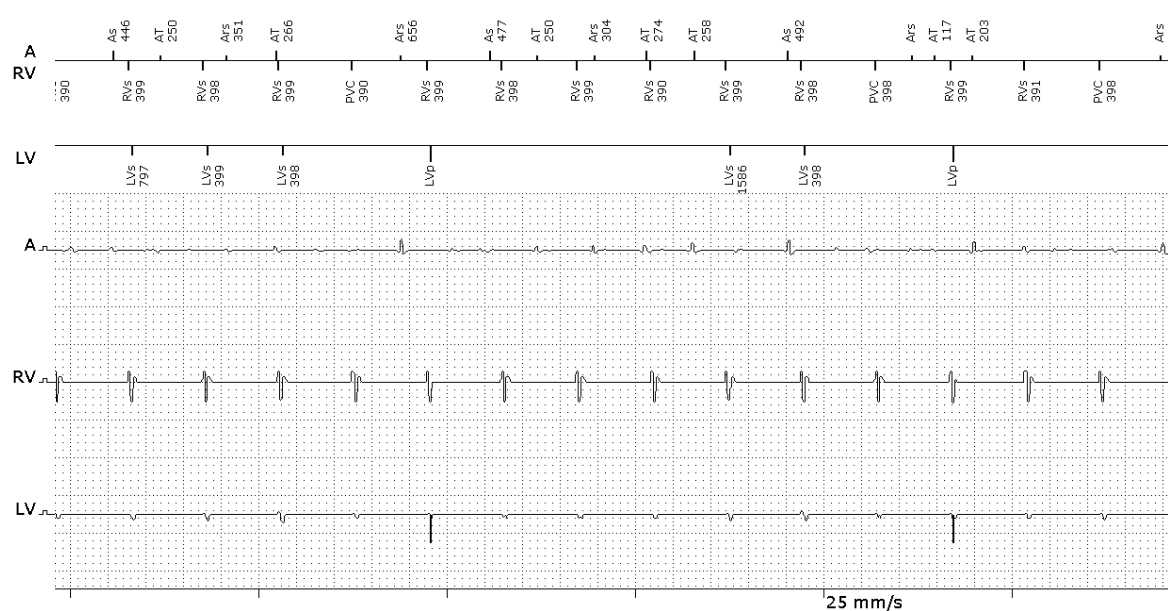
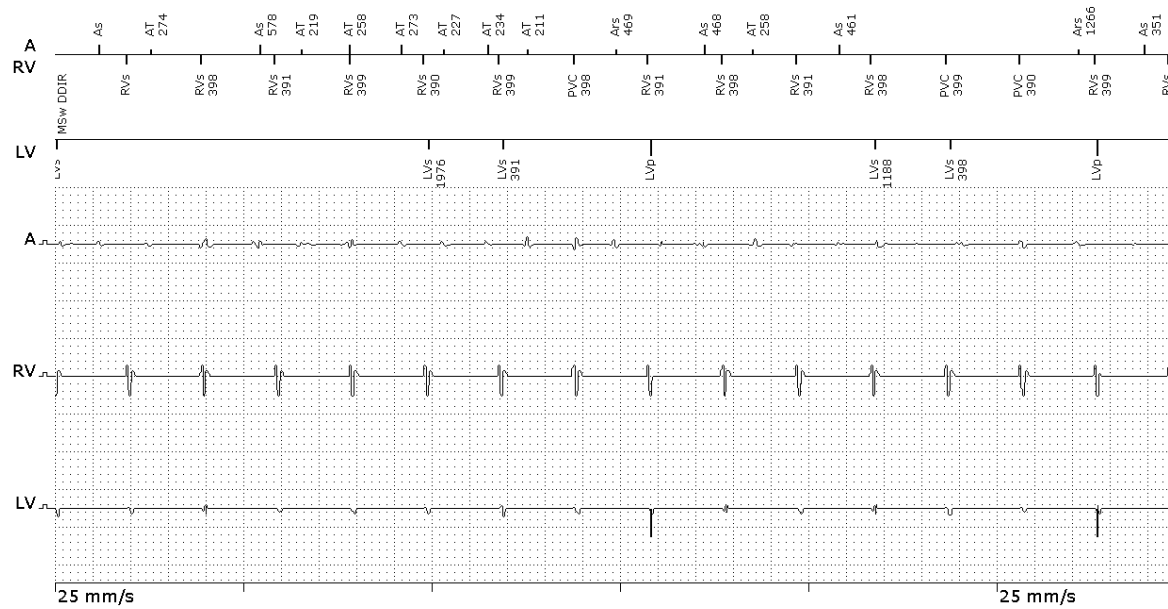
Follow-up on:

04/09/2017

07:43

Recordings - IEGM

Episode:	1045
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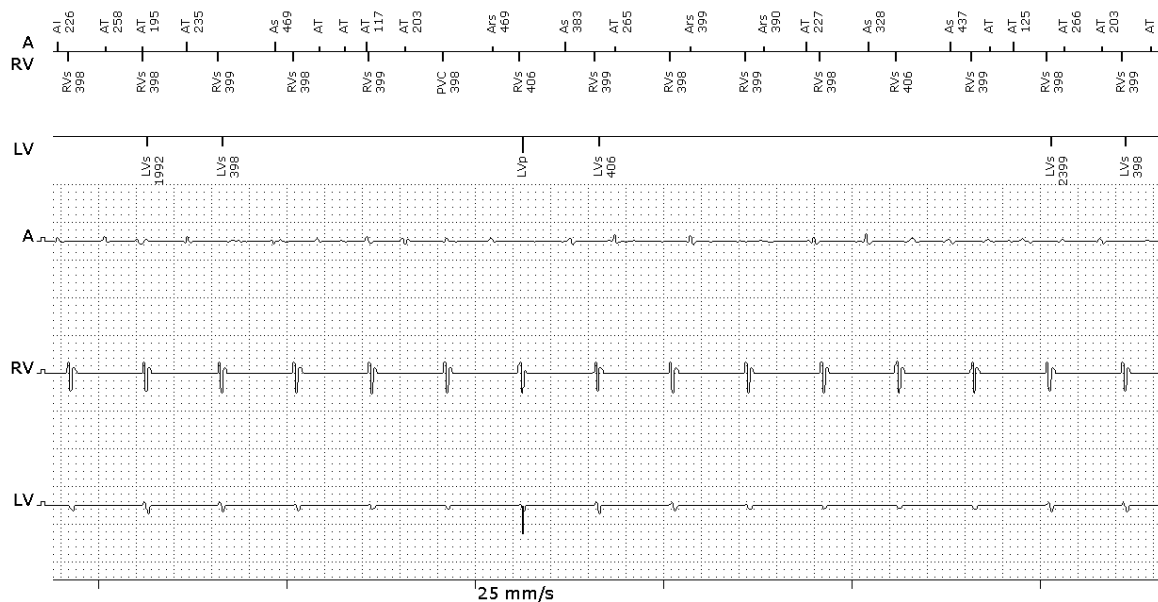
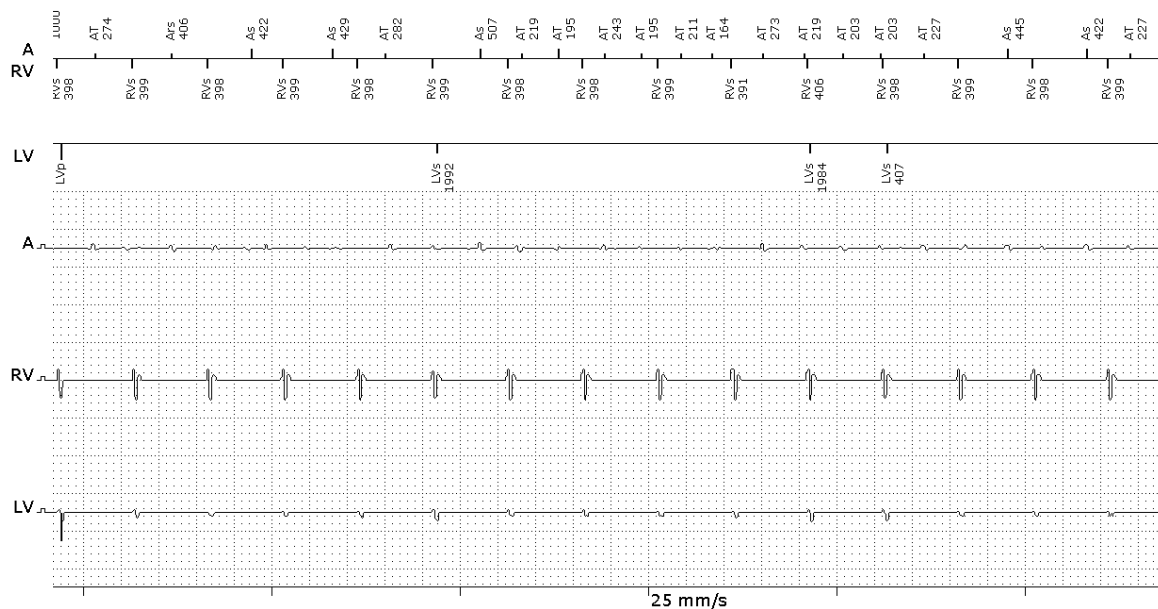


Patient Sojka, Borivoj
Device Itrevia 7 HF-T
S/N: 60869314 (PID: 88)

Follow-up on:
04/09/2017
07:43

Recordings - IEGM

Episode: 1045

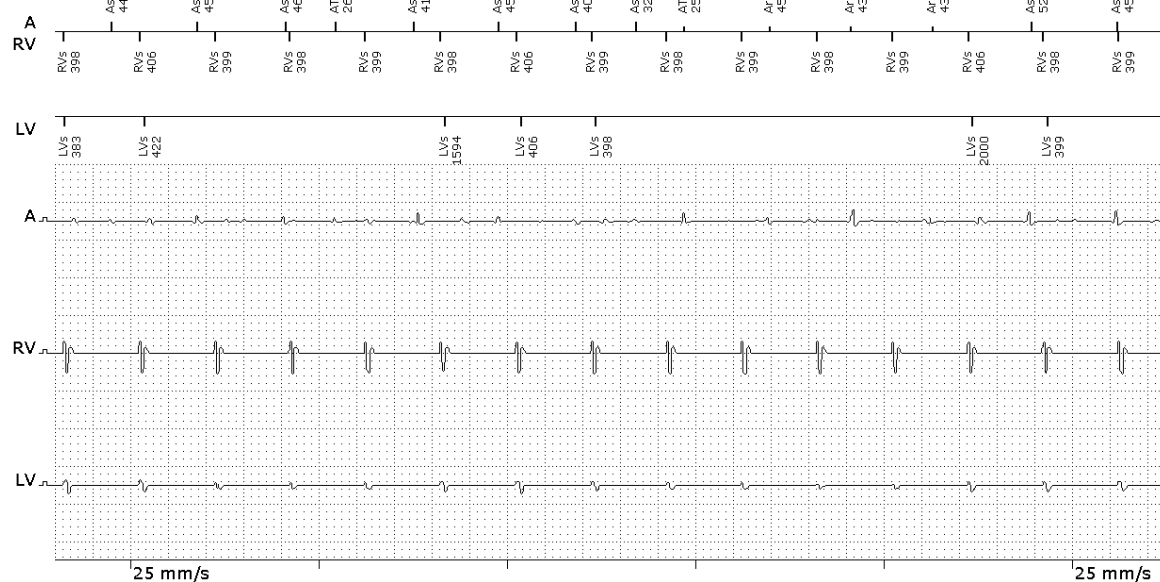
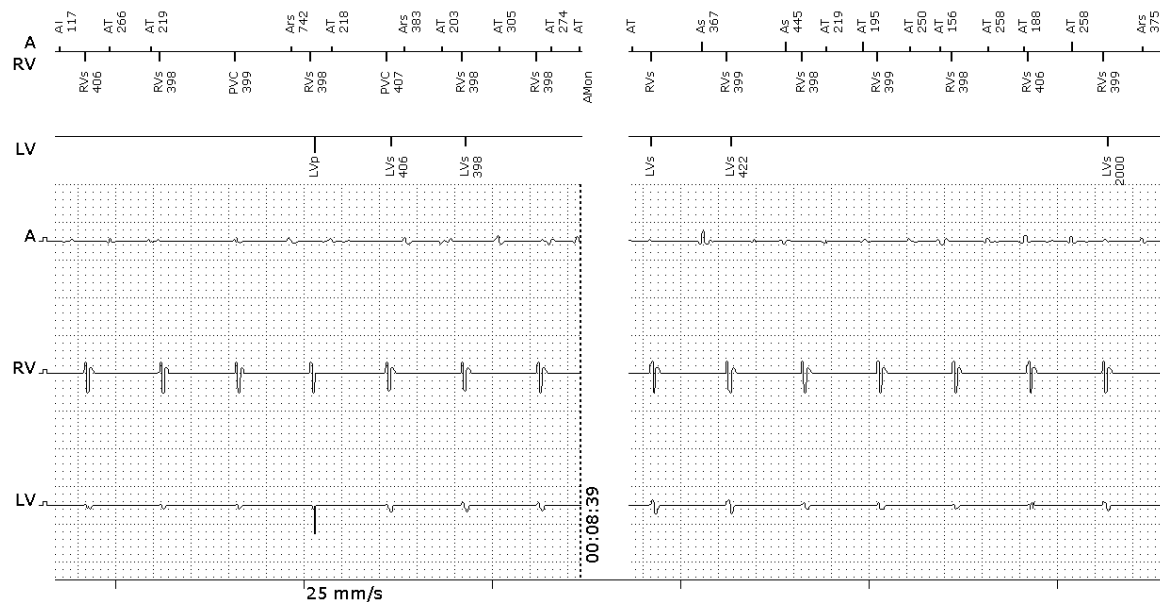


Patient Sojka, Borivoj
Device Itrevia 7 HF-T
S/N: 60869314 (PID: 88)

Follow-up on:
04/09/2017
07:43

Recordings - IEGM

Episode: 1045



Patient Sojka, Borivoj

Follow-up on:

Device Itrevia 7 HF-T

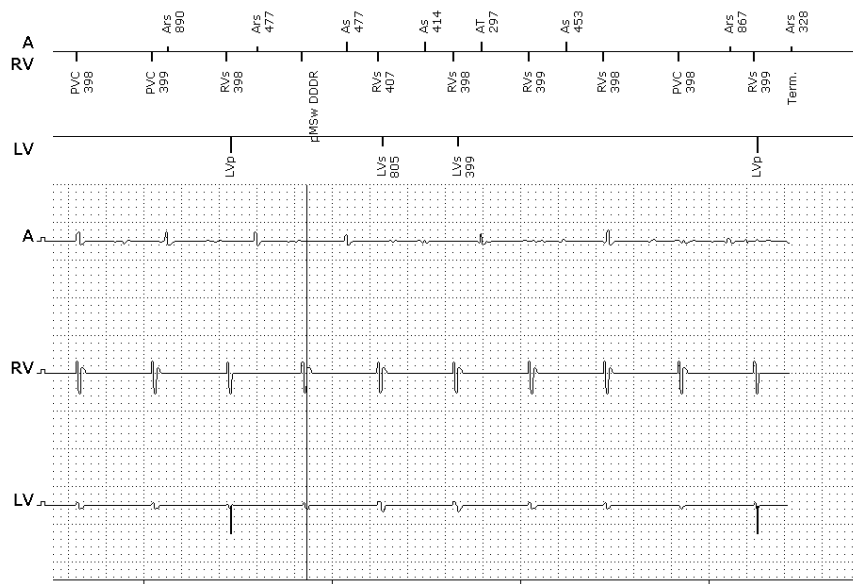
04/09/2017

S/N: 60869314 (PID: 88)

07:43

Recordings - IEGM

Episode: **1045**



Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:43

Recordings - Details	Episode: 1048
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EGM of episode No.	1048
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Detection

Zone	AT/AF monitoring
Measured Onset in V [%]	***
Measured stability in V [ms]	43

	VT1	VT2	VF
Redetections	0	0	0

Therapy

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

Times

Detection	03/09/2017 05:07:21
Termination	03/09/2017 05:11:29
Duration	0:04:08

Program No.	17
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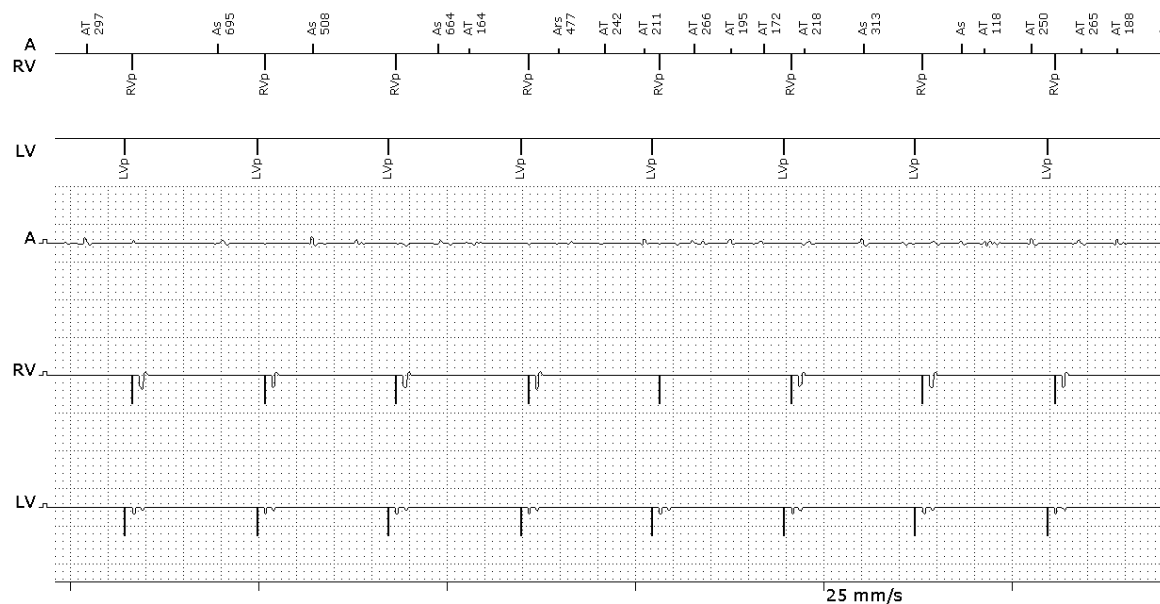
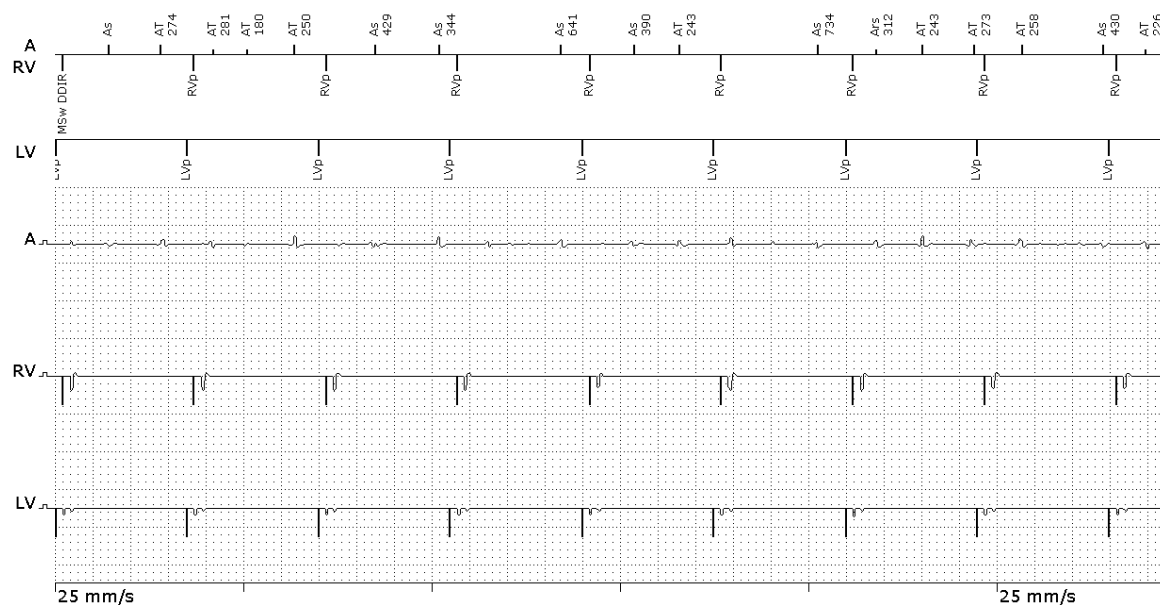
Remark

Patient Sojka, Borivoj
Device Itrevia 7 HF-T
S/N: 60869314 (PID: 88)

Follow-up on:
04/09/2017
07:43

Recordings - IEGM

Episode: **1048**



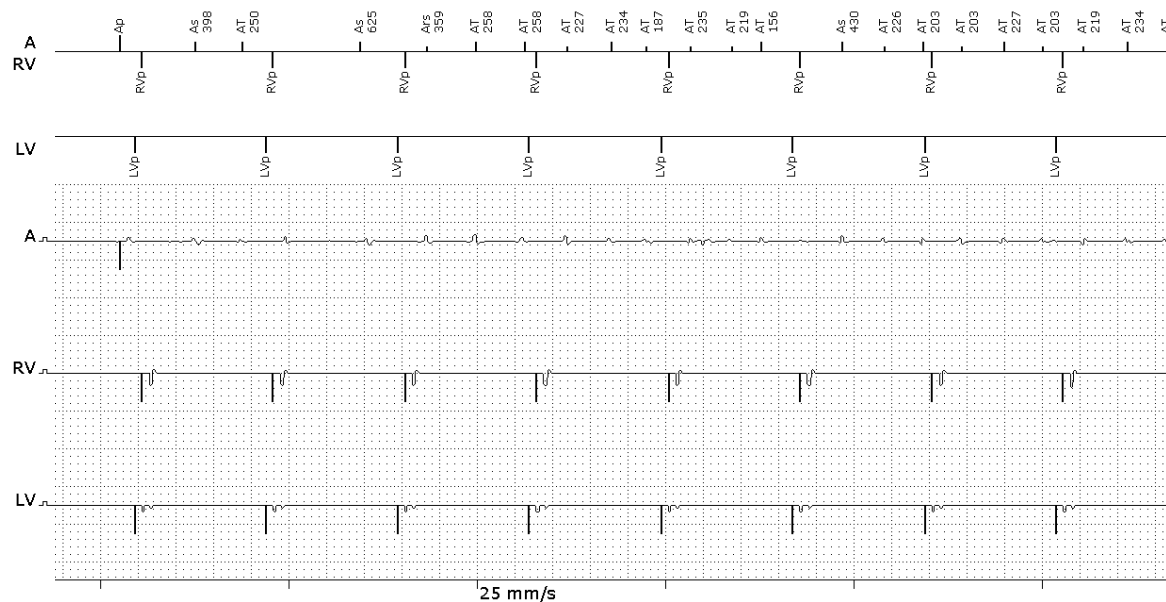
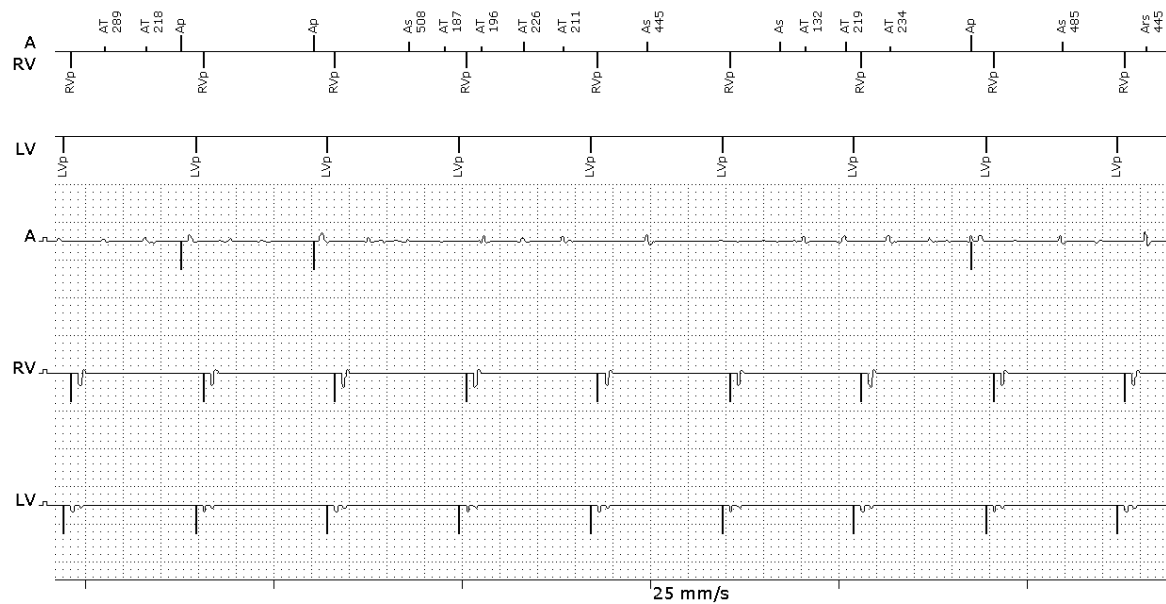
Follow-up on:

04/09/2017

07:43

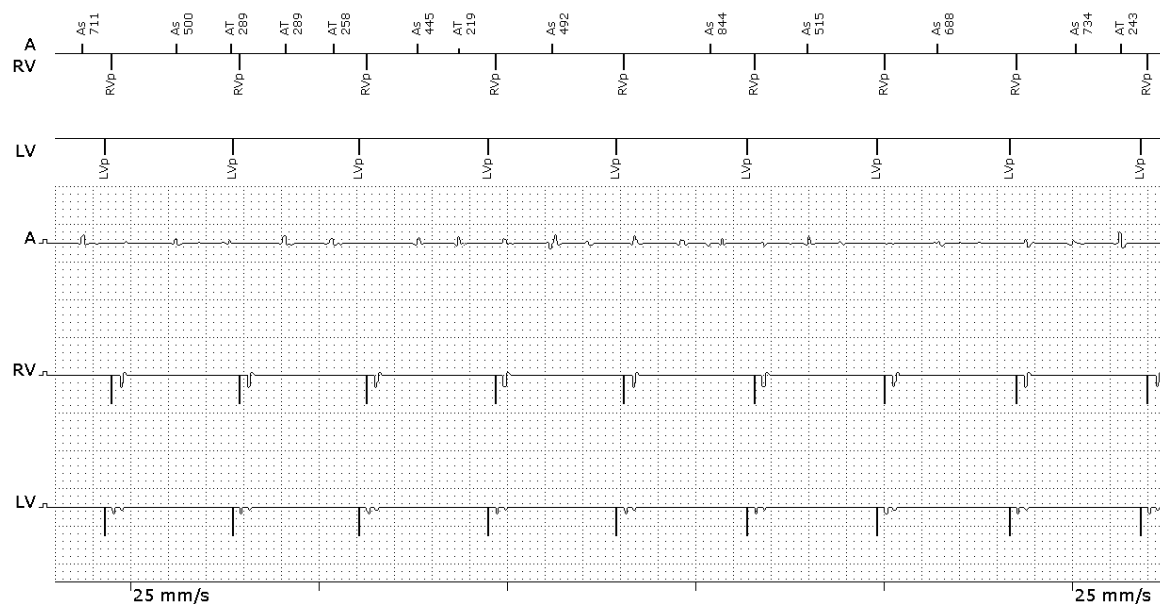
Recordings - IEGM

Episode:	1048
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Follow-up on:
.....
04/09/2017
.....
07:43

Episode: **1048**



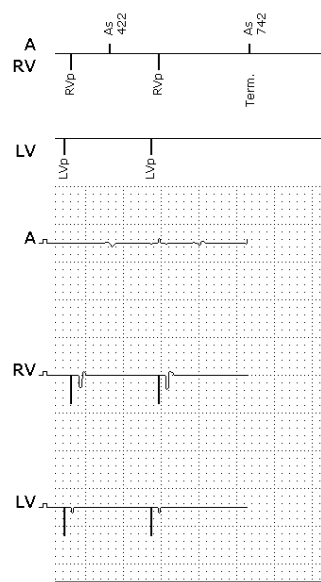
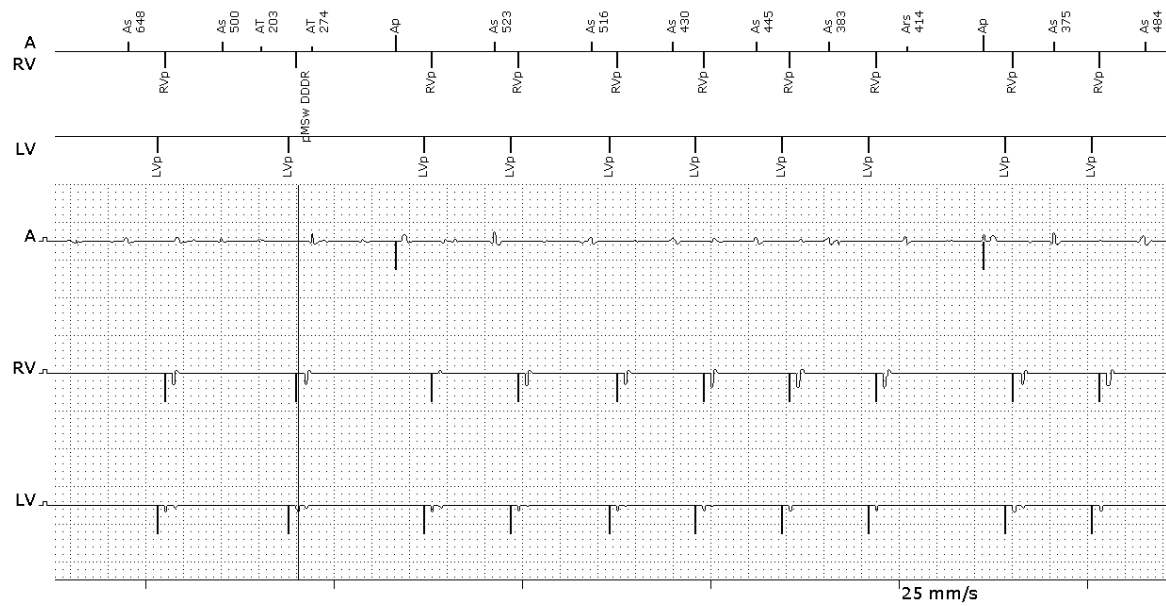
Follow-up on:

04/09/2017

07:43

Recordings - IEGM

Episode:	1048
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Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:44

Recordings - Details	Episode: 1046
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EGM of episode No.	1046
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Detection

Zone	AT/AF monitoring
Measured Onset in V [%]	***
Measured stability in V [ms]	> 247

	VT1	VT2	VF
Redetections	0	0	0

Therapy

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

Times

Detection	03/09/2017 04:38:15
Termination	03/09/2017 04:40:54
Duration	0:02:39

Program No.	17
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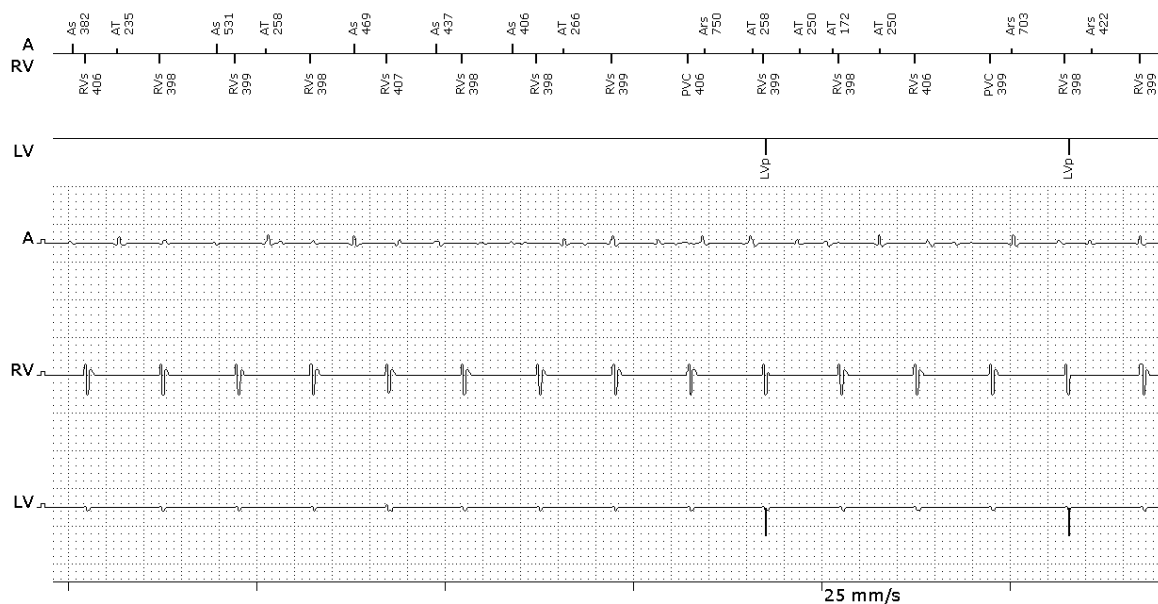
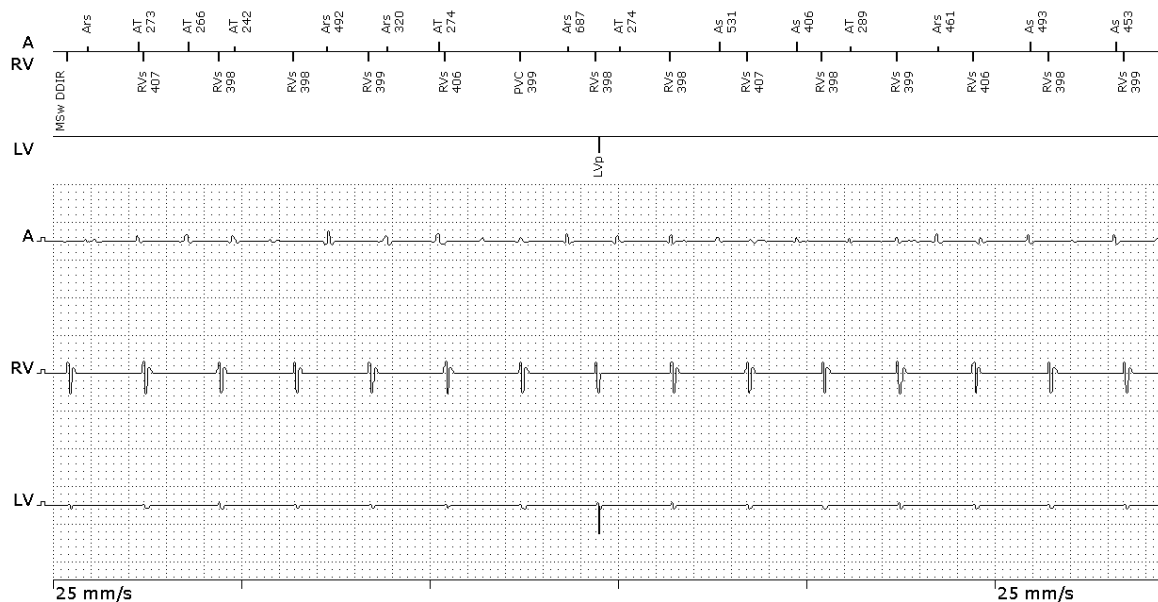
Remark

Patient Sojka, Borivoj
Device Itrevia 7 HF-T
S/N: 60869314 (PID: 88)

Follow-up on:
04/09/2017
07:44

Recordings - IEGM

Episode: 1046



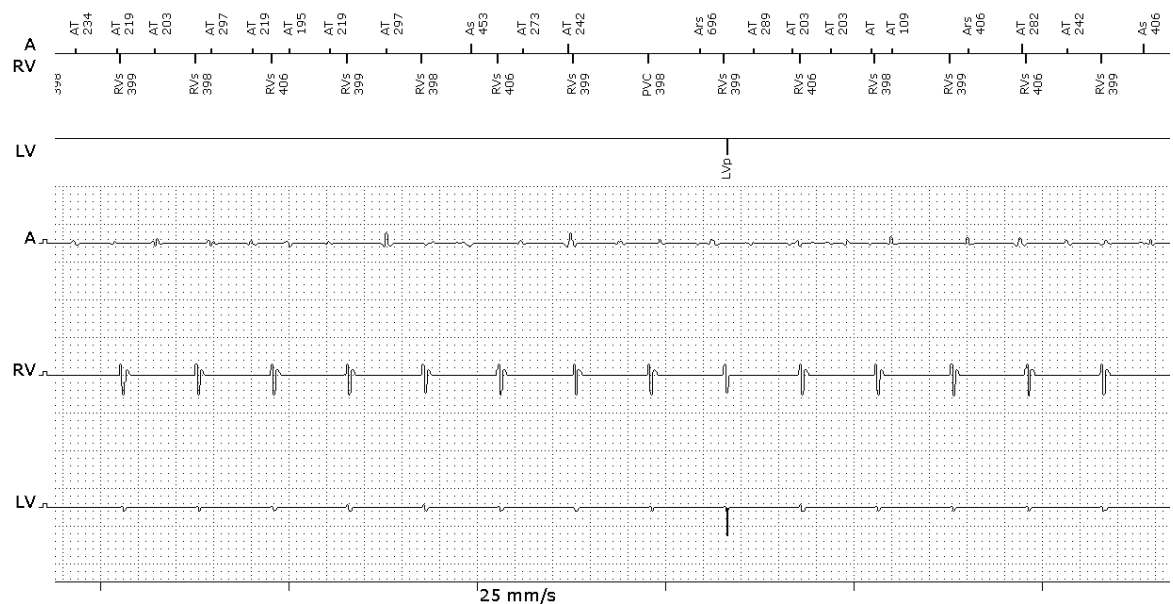
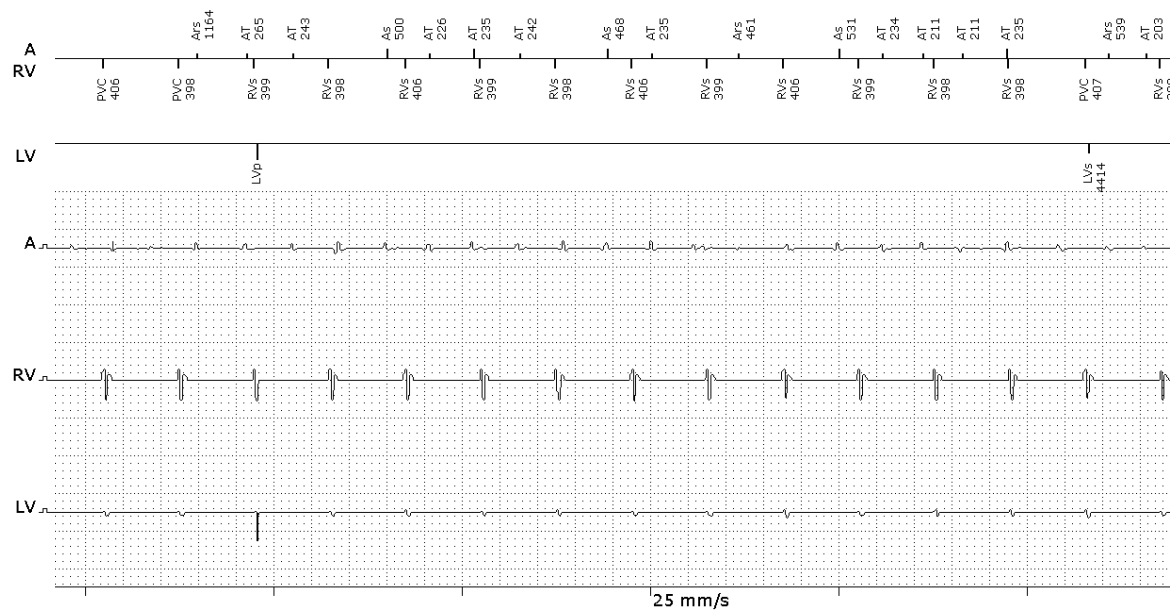
Follow-up on:

04/09/2017

07:44

Recordings - IEGM

Episode:	1046
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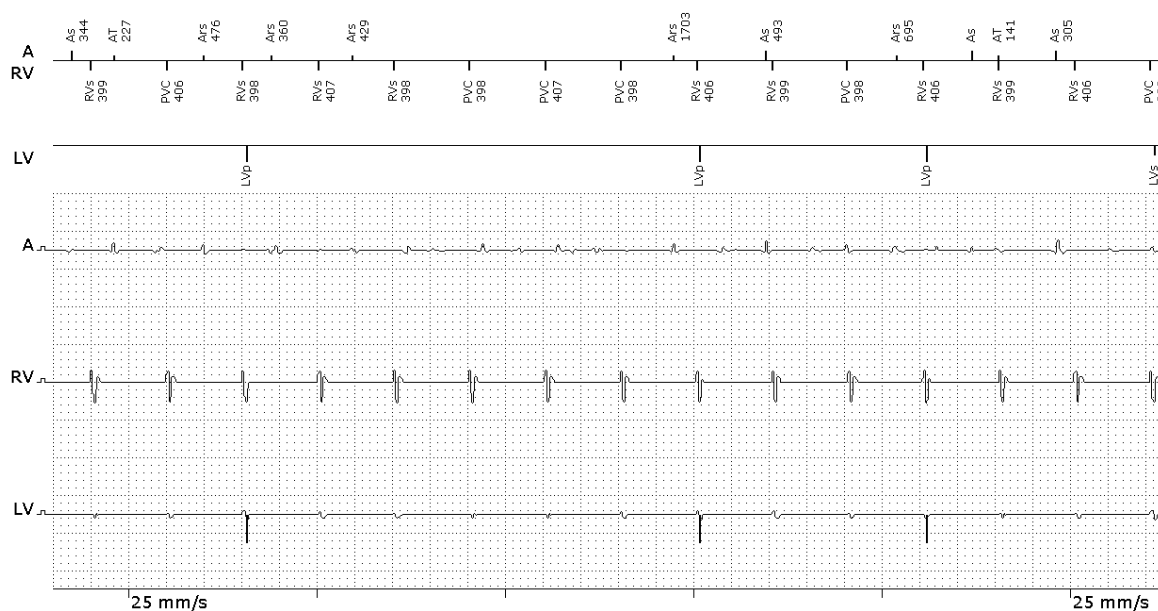
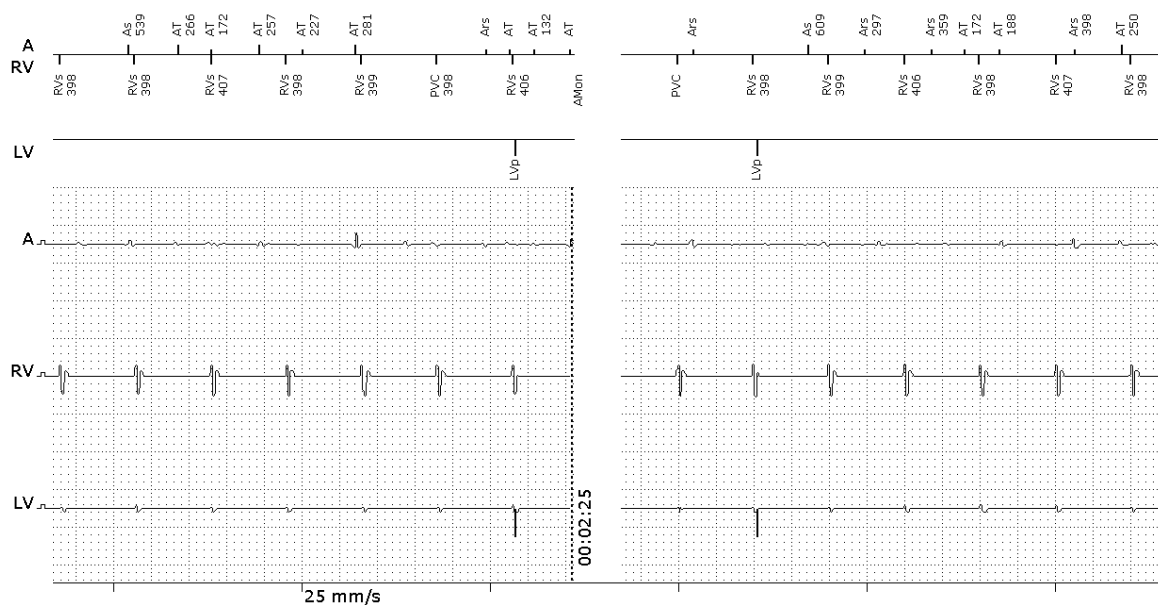


Patient Sojka, Borivoj
Device Itrevia 7 HF-T
S/N: 60869314 (PID: 88)

Follow-up on:
04/09/2017
07:44

Recordings - IEGM

Episode: 1046



Patient Sojka, Borivoj

Follow-up on:

Device Itrevia 7 HF-T

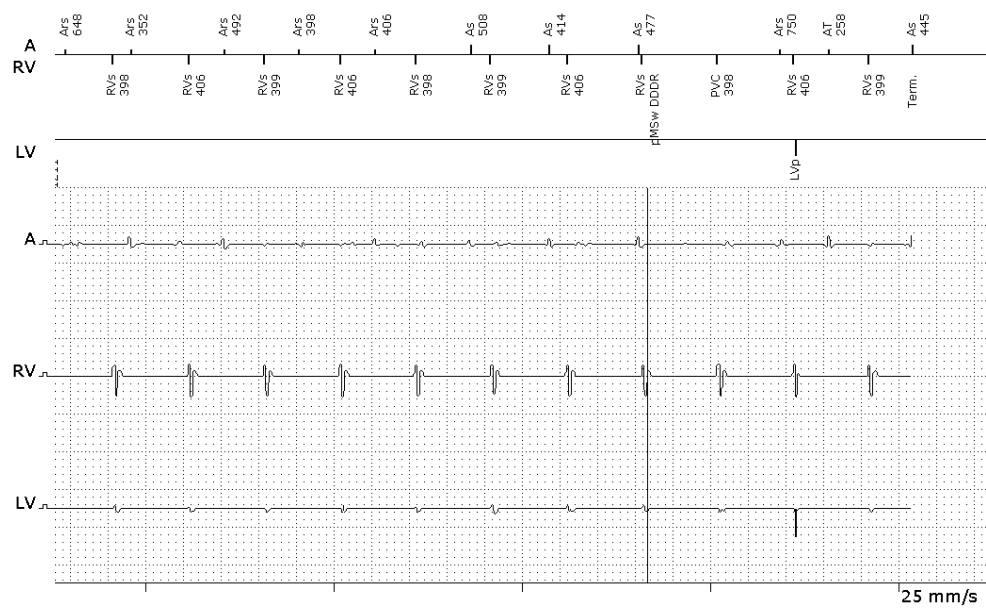
04/09/2017

S/N: 60869314 (PID: 88)

07:44

Recordings - IEGM

Episode: **1046**



Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:44

Recordings - Details

Episode: 1047

EGM of episode No. 1047

Detection

Zone	AT/AF monitoring
Measured Onset in V [%]	***
Measured stability in V [ms]	115

	VT1	VT2	VF
Redetections	0	0	0

Therapy

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

Times

Detection	03/09/2017 04:41:59
Termination	03/09/2017 04:53:19
Duration	0:11:20

Program No. 17

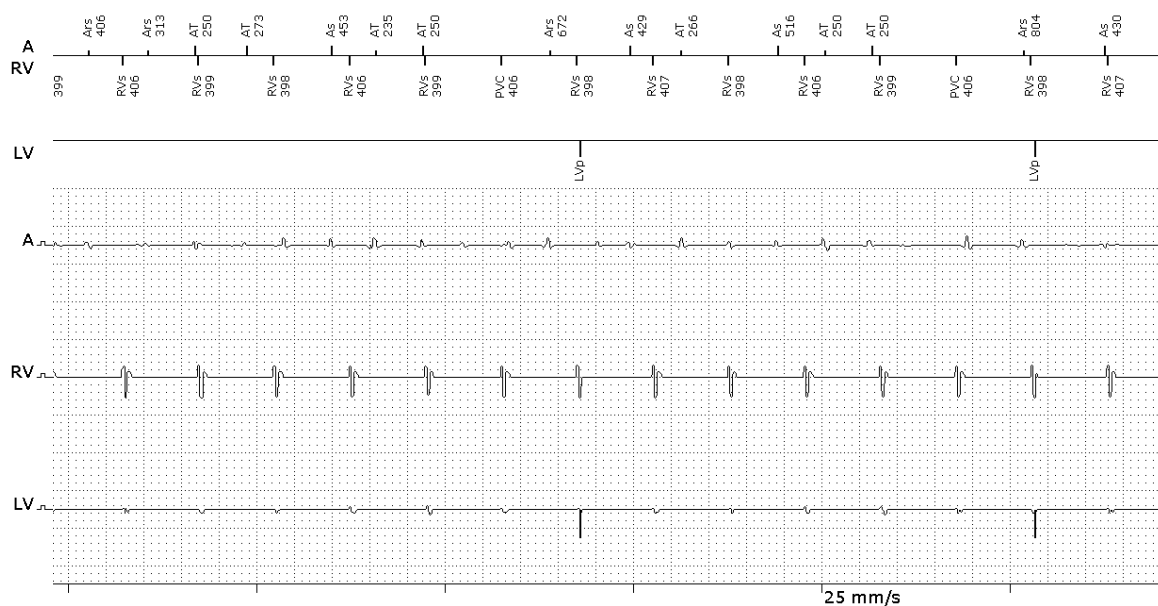
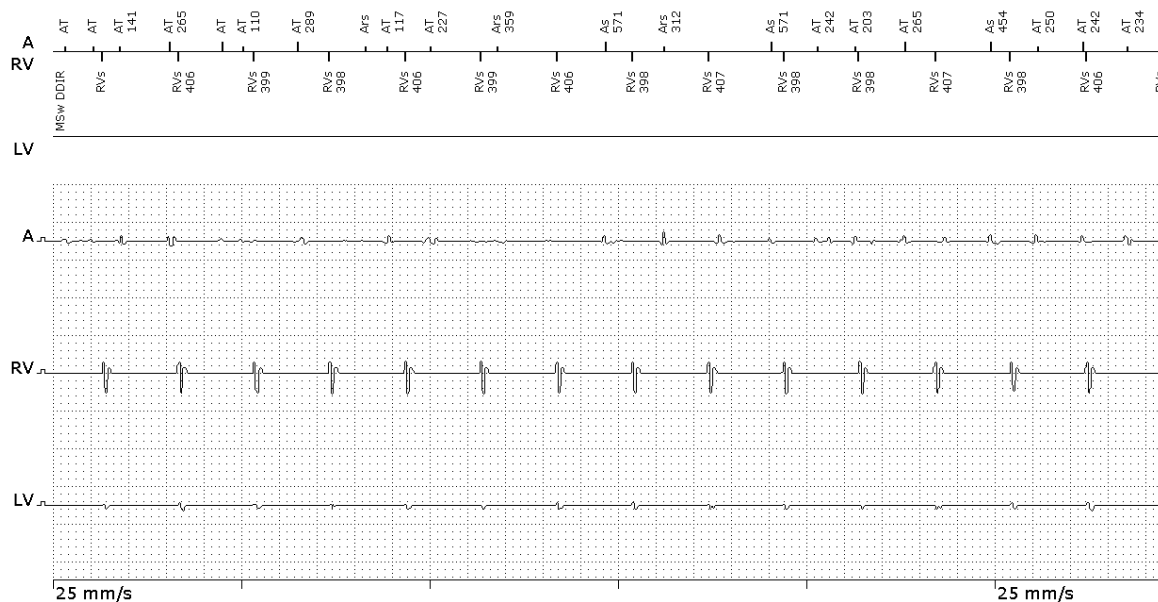
Remark

Patient Sojka, Borivoj
Device Itrevia 7 HF-T
S/N: 60869314 (PID: 88)

Follow-up on:
04/09/2017
07:44

Recordings - IEGM

Episode: 1047

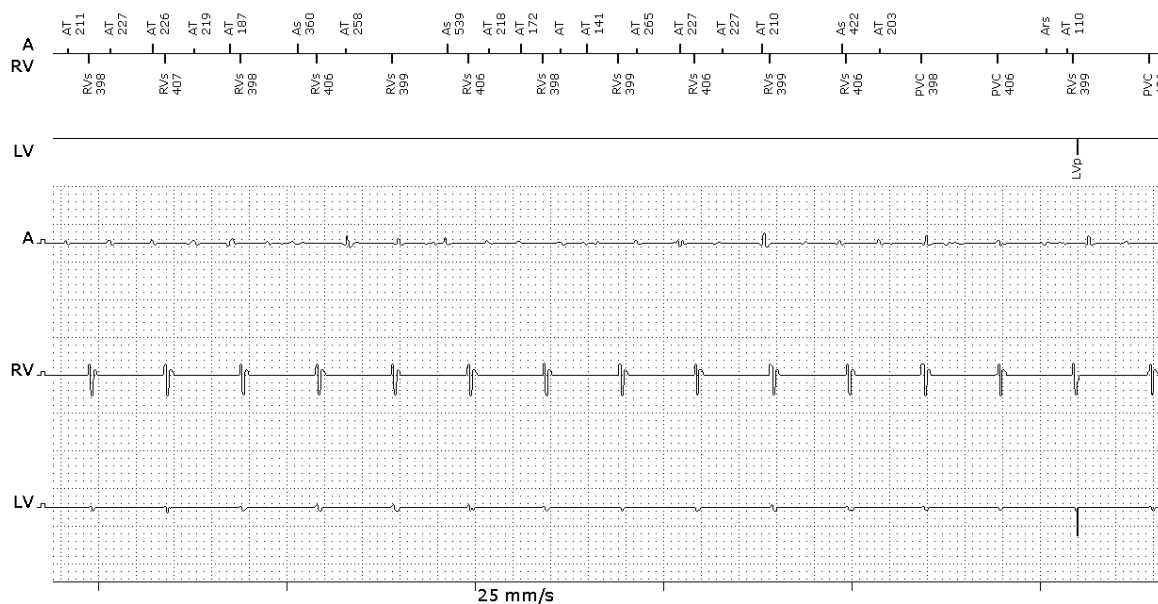
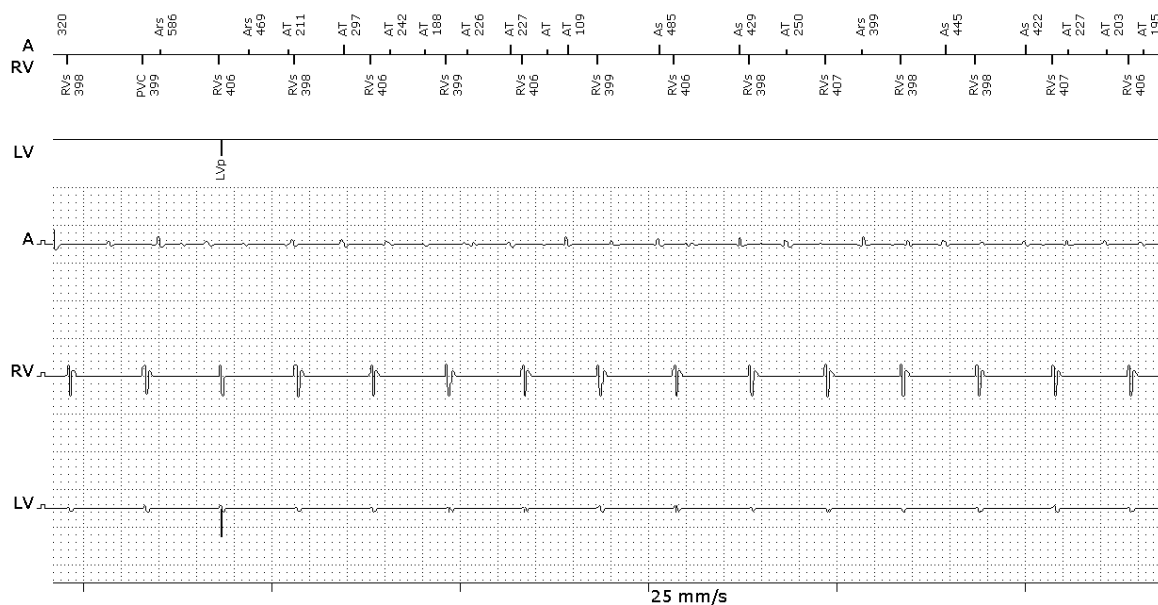


Patient Sojka, Borivoj
Device Itrevia 7 HF-T
S/N: 60869314 (PID: 88)

Follow-up on:
04/09/2017
07:44

Recordings - IEGM

Episode: **1047**

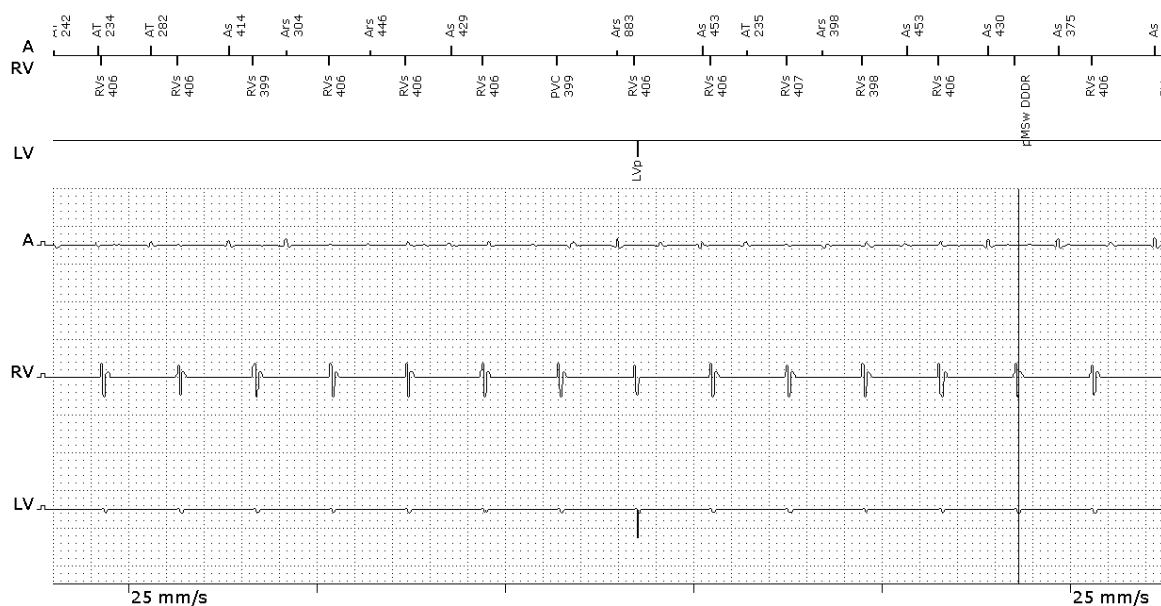
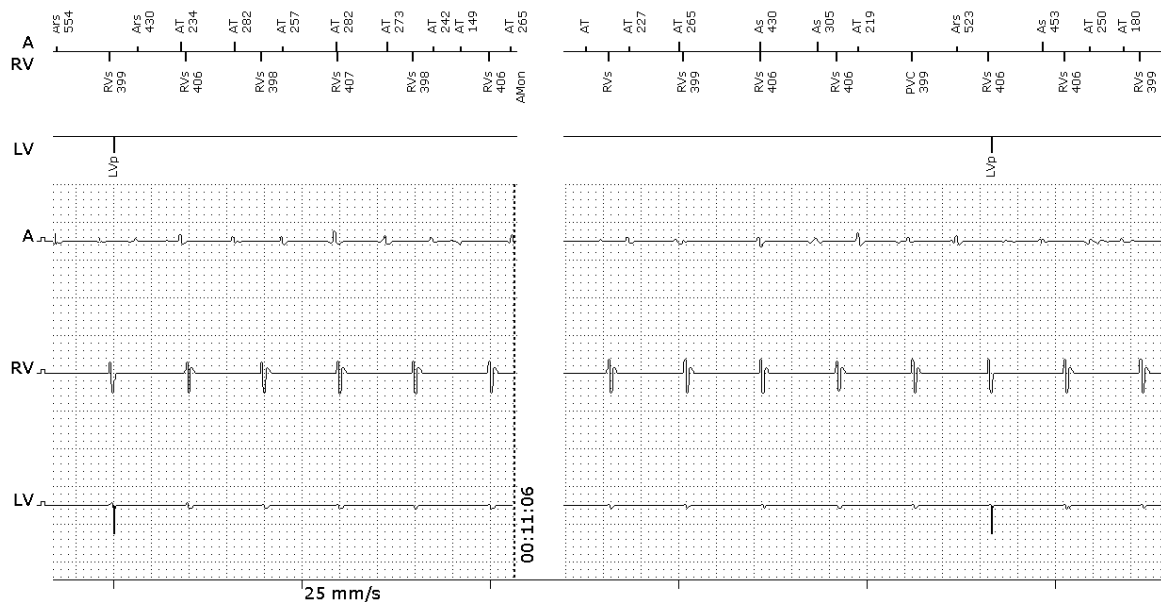


Patient Sojka, Borivoj
Device Itrevia 7 HF-T
S/N: 60869314 (PID: 88)

Follow-up on:
04/09/2017
07:44

Recordings - IEGM

Episode: 1047



Patient Sojka, Borivoj

Follow-up on:

Device Itrevia 7 HF-T

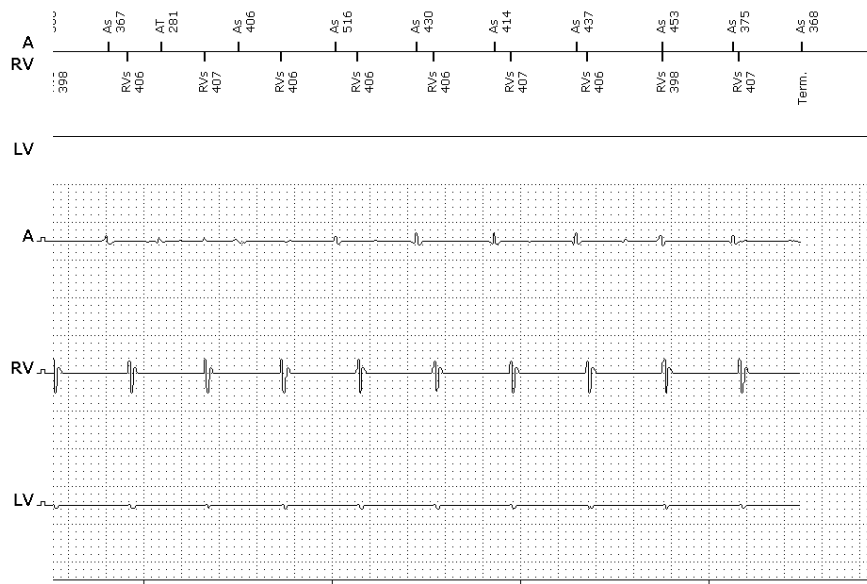
04/09/2017

S/N: 60869314 (PID: 88)

07:44

Recordings - IEGM

Episode: **1047**



Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:47

Test - Sensing

Test program

Mode	VVI
Ventricular pacing	BiV
Basic rate [bpm]	30
AV delay [ms]	
LV sensing polarity	BIPL

Test settings

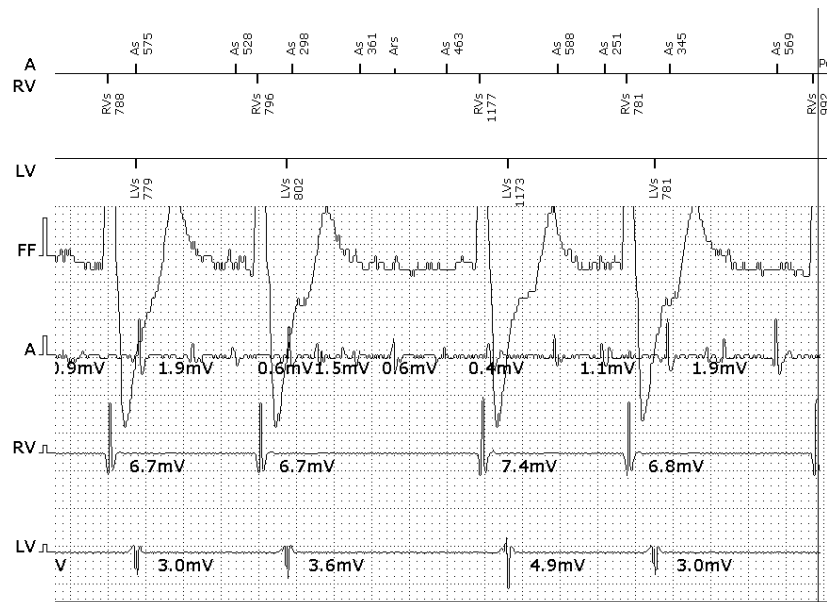
Print setup [mm/s]	OFF
--------------------	-----

Measured values

	A	RV	LV
Mean rate [bpm]	153		
Min. amplitude [mV]	0.4	6.7	3.0
Mean amplitude [mV]	1.1	7.0	4.6
Max. amplitude [mV]	1.9	7.6	7.8

Follow-up on:
.....
04/09/2017
.....
07:47

(Sensing test)



Patient Sojka, Borivoj
Device Itrevia 7 HF-T
S/N: 60869314 (PID: 88)

Follow-up on:
04/09/2017
07:47

Test - Pacing threshold

Test program

Mode	RV VVI
Basic rate [bpm]	100
AV delay [ms]	
Pacing polarity	

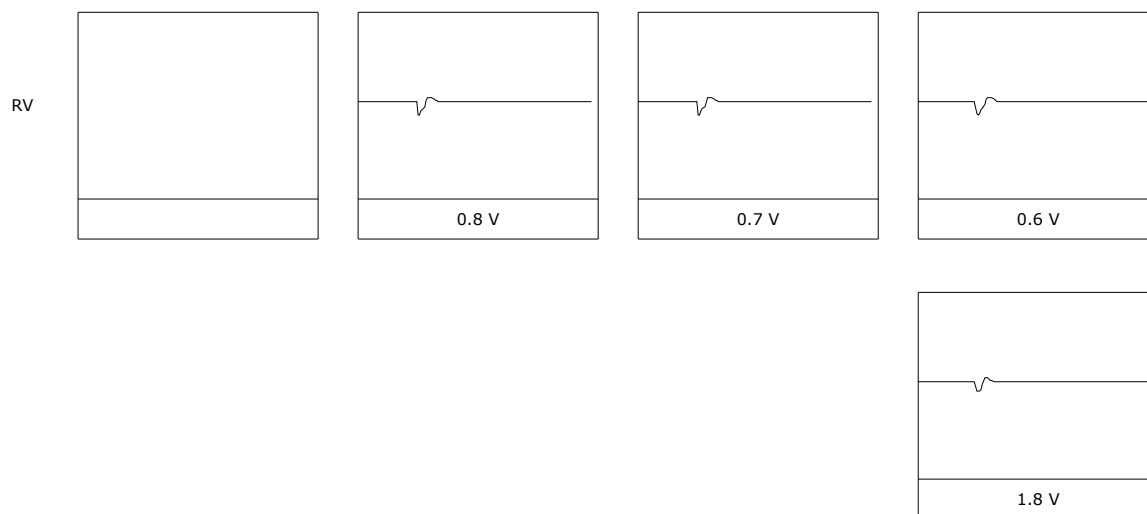
	A	RV	LV
Pulse amplitude [V]		1.75	
Pulse width [ms]		0.4	

Test settings

Number of test pulses	3
Print setup [mm/s]	OFF

Selected value

Threshold [V]	0.7
---------------	-----



Patient Sojka, Borivoj

Device Itrevia 7 HF-T

S/N: 60869314 (PID: 88)

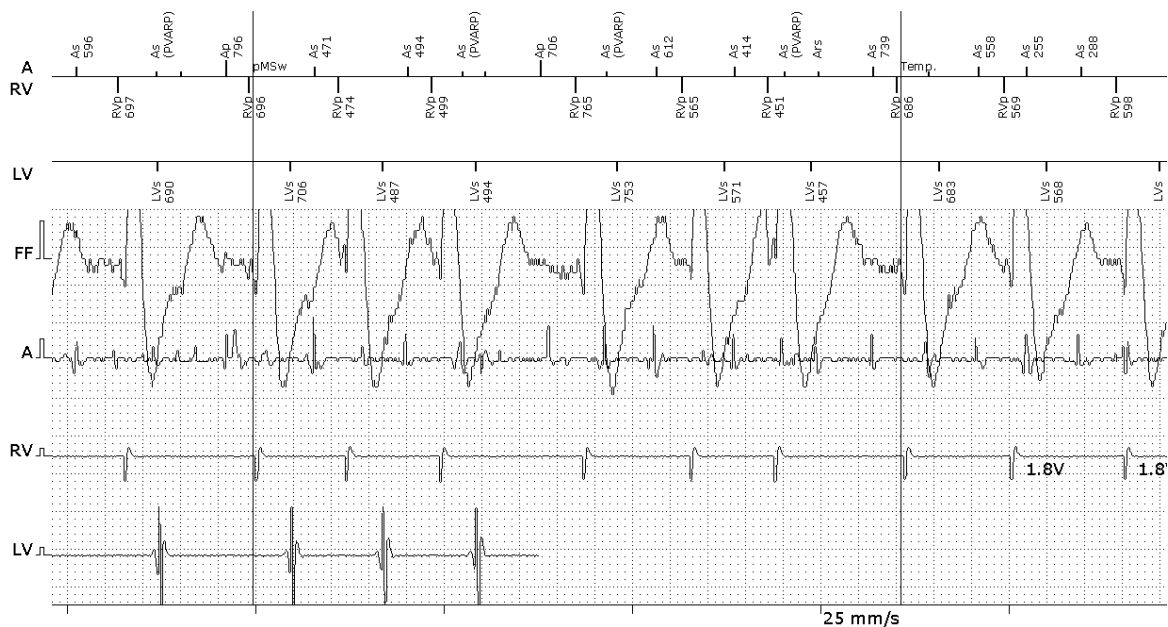
Follow-up on:

04/09/2017

07:47

Freeze

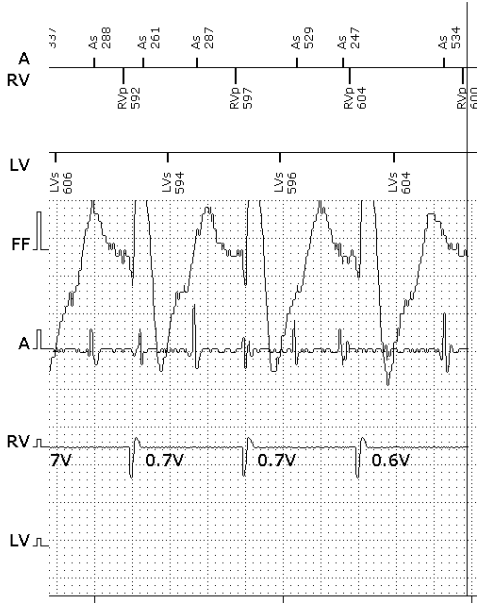
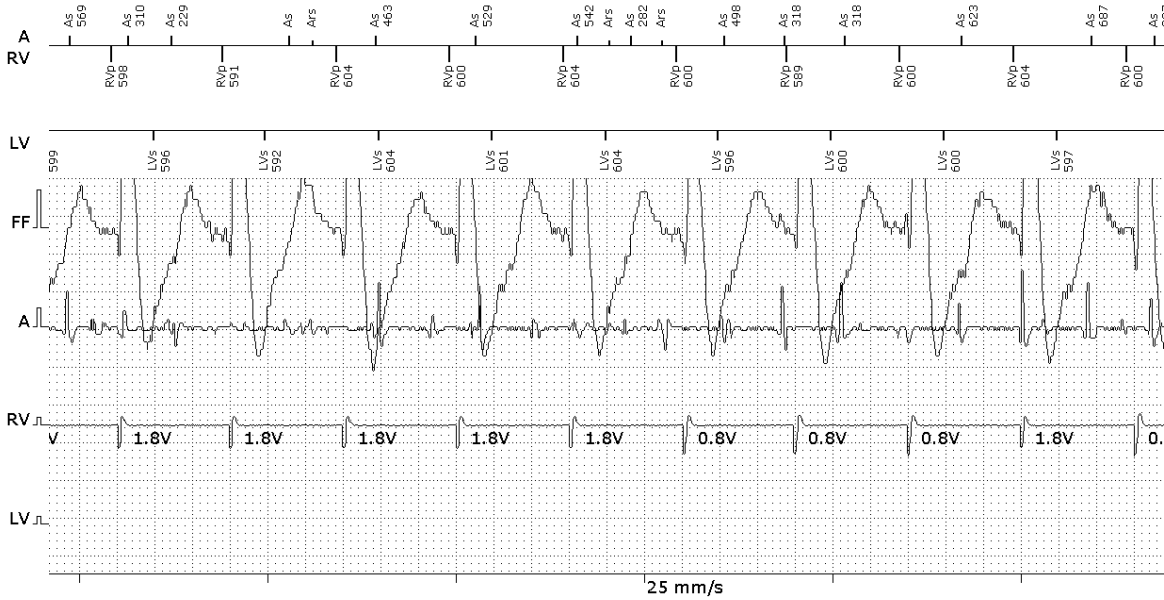
(Threshold test RV)



Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:47

Freeze

(Threshold test RV)



Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:48

Test - Pacing threshold

Test program

Mode	LV VVI
Basic rate [bpm]	100
AV delay [ms]	
Pacing polarity	LV tip → LV ring

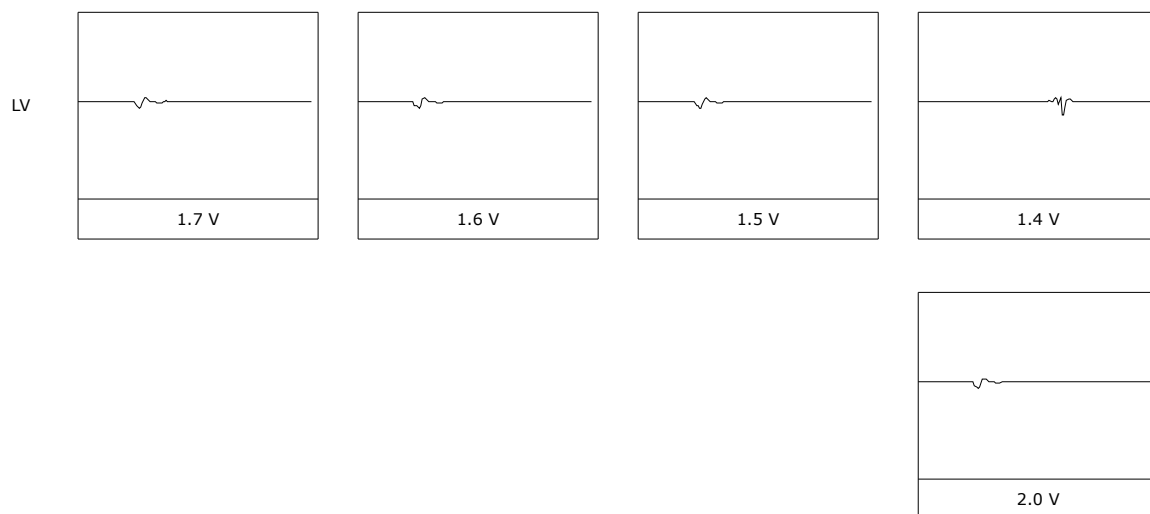
	A	RV	LV
Pulse amplitude [V]			2.0
Pulse width [ms]			0.5

Test settings

Number of test pulses	3
Print setup [mm/s]	OFF

Selected value

Threshold [V]	1.6
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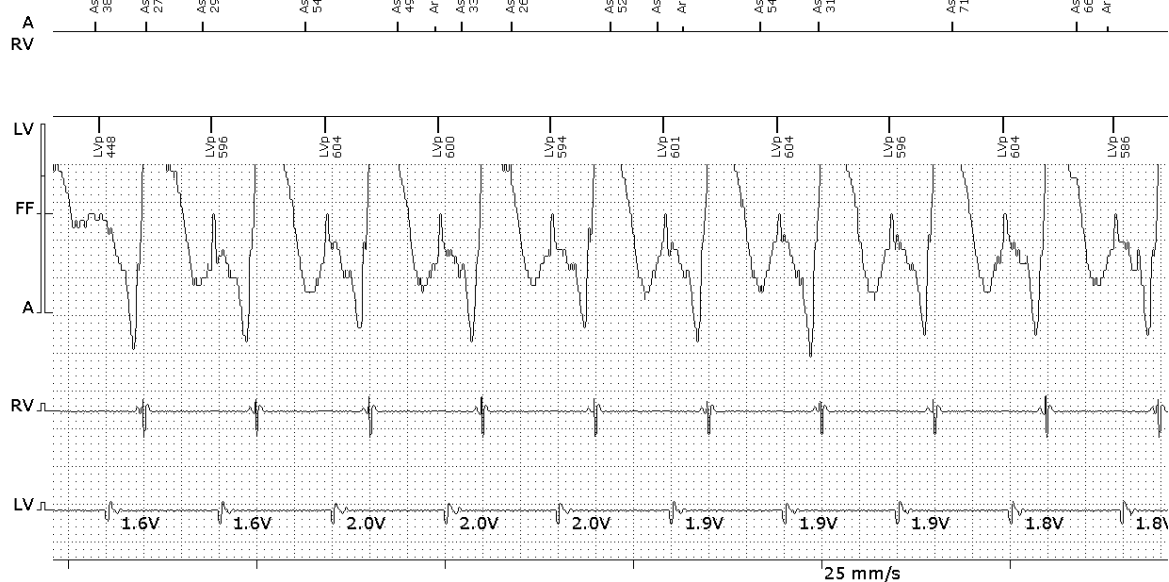
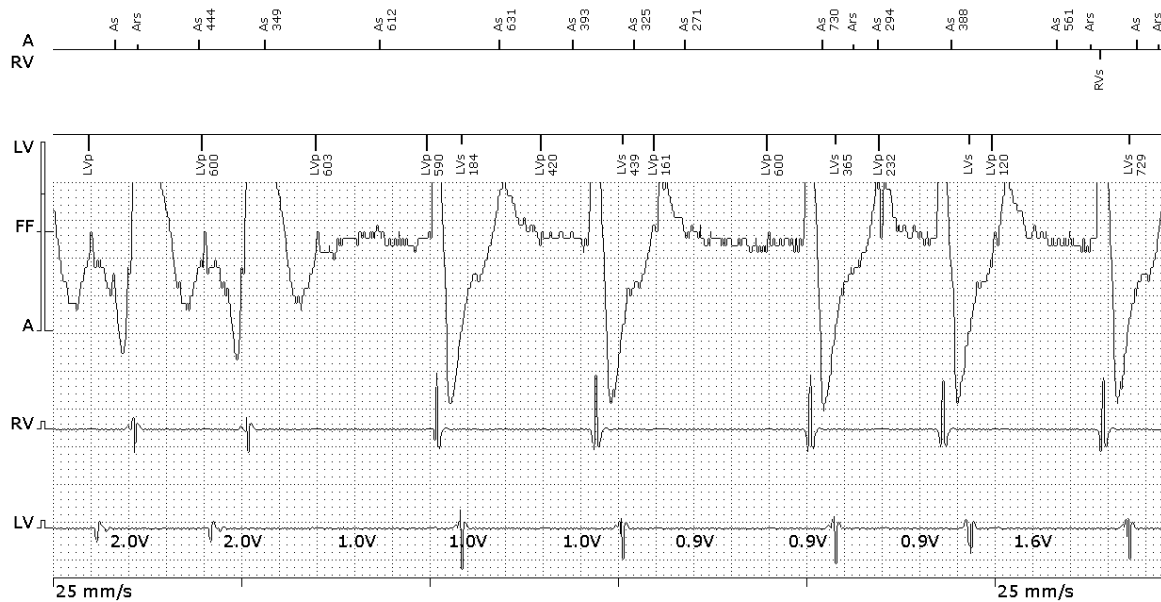


Patient Sojka, Borivoj
Device Itrevia 7 HF-T
S/N: 60869314 (PID: 88)

Follow-up on:
04/09/2017
07:48

Freeze

(Threshold test LV)



Patient Sojka, Borivoj

Device Itrevia 7 HF-T

S/N: 60869314 (PID: 88)

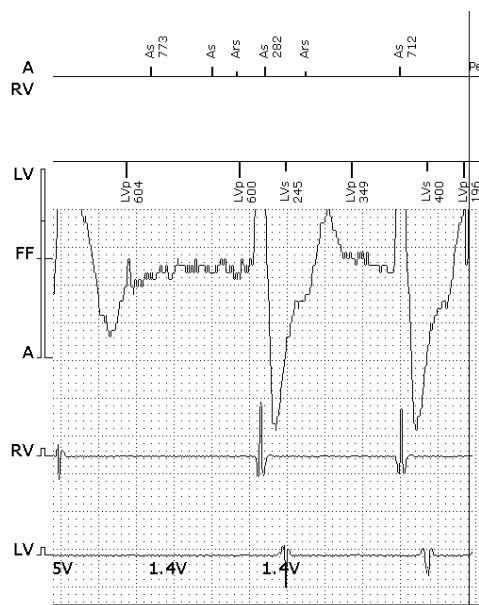
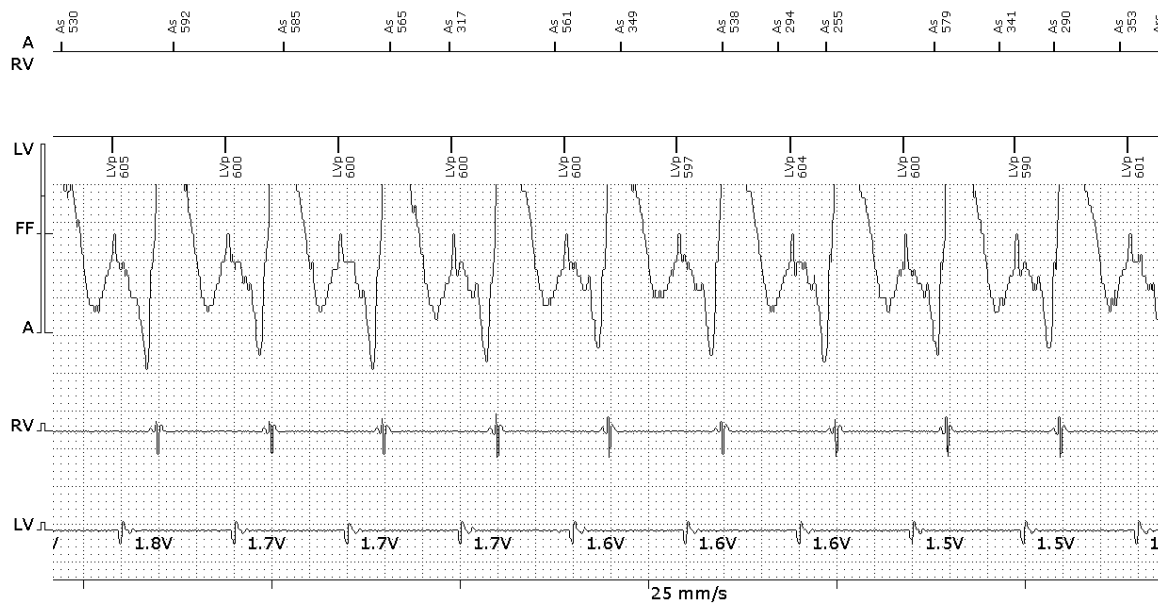
Follow-up on:

04/09/2017

07:48

Freeze

(Threshold test LV)



Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:48

Recordings - Details	Episode: 1044
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EGM of episode No.	1044
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Detection

Zone	AT/AF monitoring
Measured Onset in V [%]	***
Measured stability in V [ms]	195

	VT1	VT2	VF
Redetections	0	0	0

Therapy

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

Times

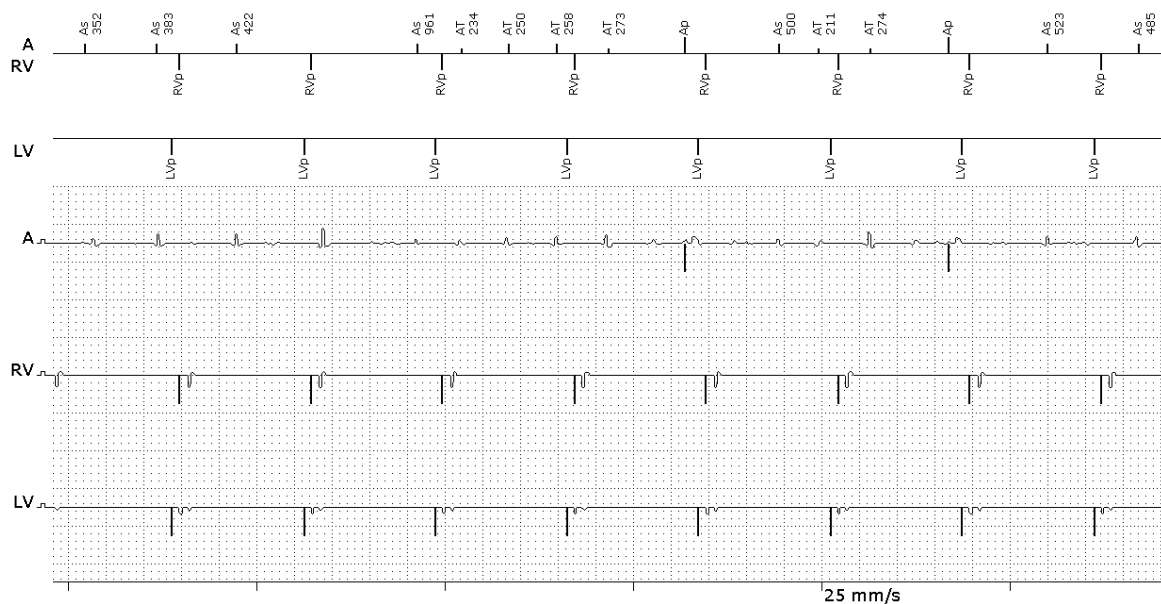
Detection	03/09/2017 03:59:11
Termination	03/09/2017 04:21:57
Duration	0:22:46

Program No.	17
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Remark

Follow-up on:
.....
04/09/2017
.....
07:48

Episode: **1044**



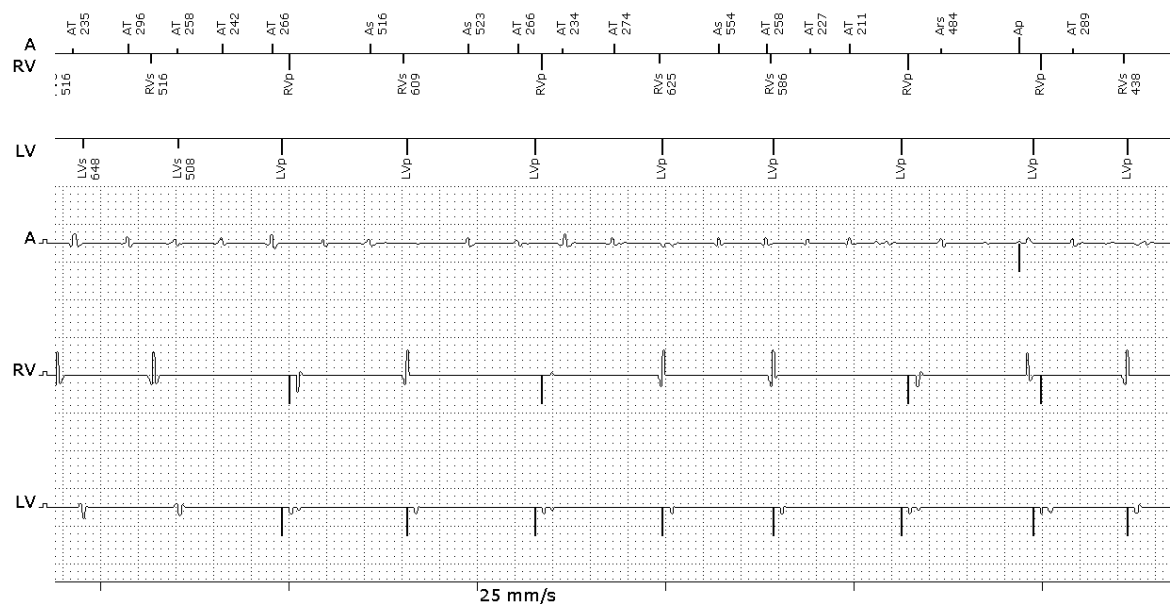
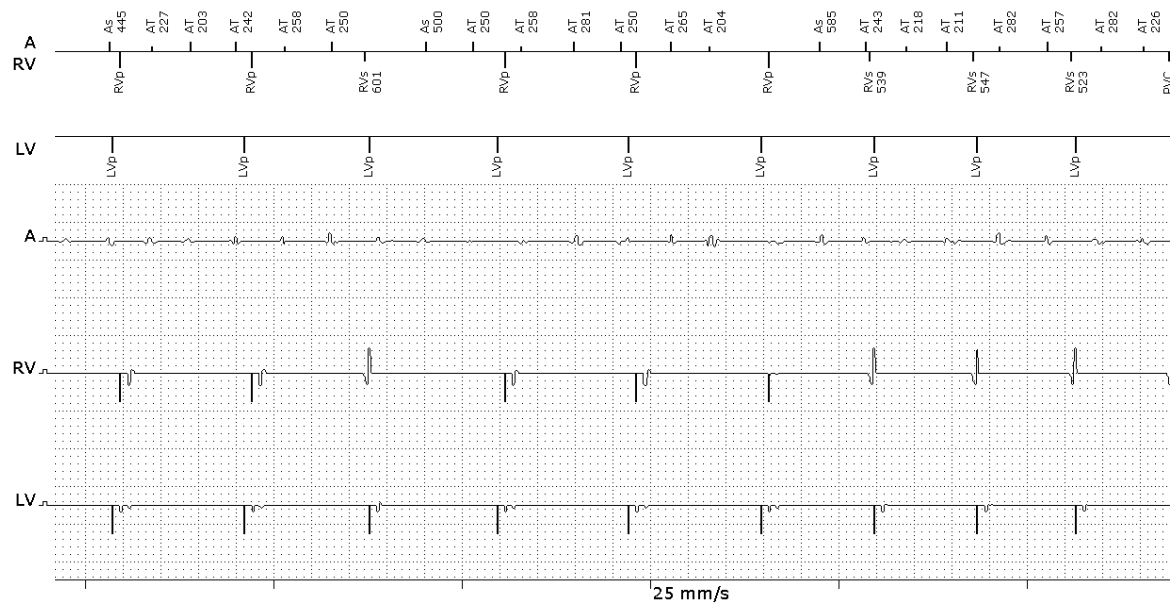
Follow-up on:

04/09/2017

07:48

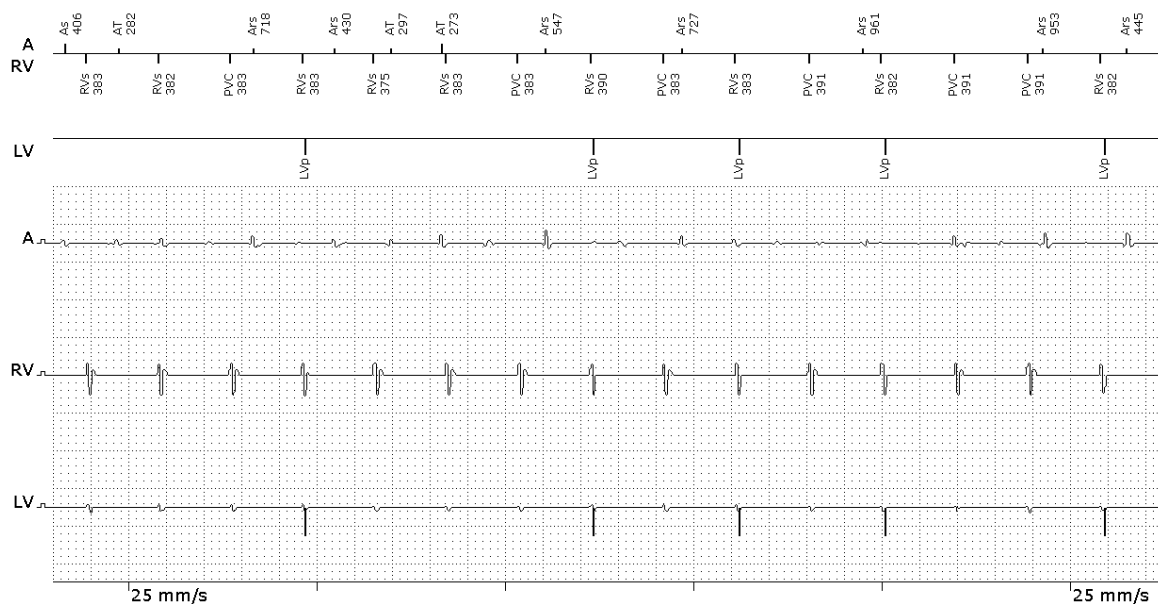
Recordings - IEGM

Episode:	1044
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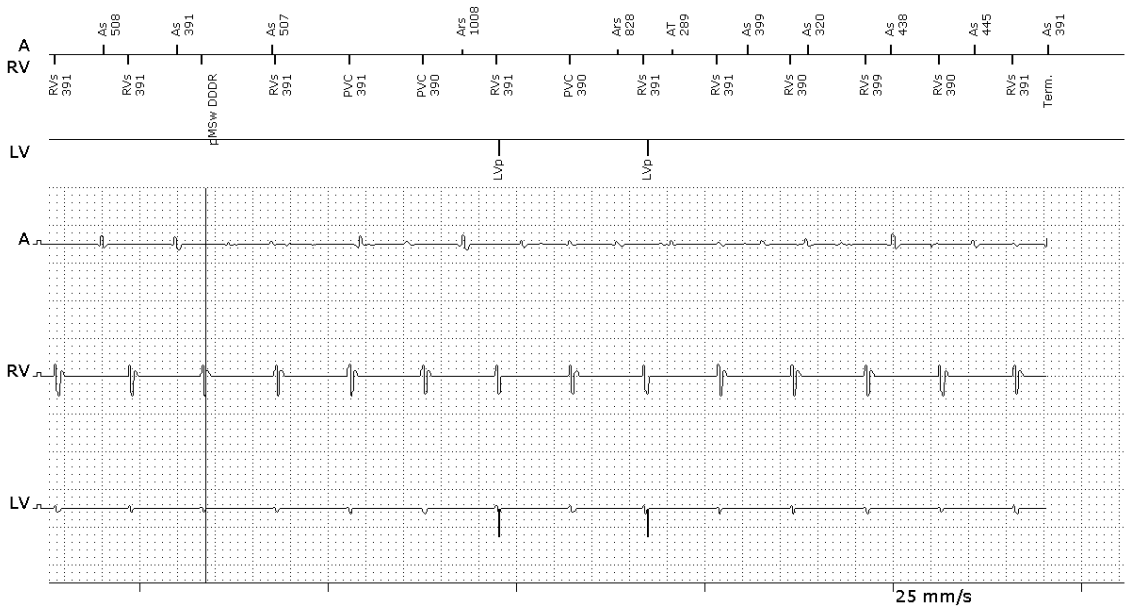
Follow-up on:
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04/09/2017
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07:48

Episode: **1044**



Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:48

Recordings - IEGM
Episode: 1044



Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:50

Parameters - Overview

Mode	DDIR		
Basic rate [bpm]	75		
CLS [bpm]	OFF		
Max. sensor rate [bpm]	110		
Atrial upper rate [bpm]	200		
Mode switching [bpm]			
Vp suppression	OFF		
Ventricular pacing	BiV/40		
AV delay [ms]	150 / 120		
Post-shock pacing	30 s		
	A	RV	LV
Pulse amplitude [V]	2.0	2.0	3.0
Pulse width [ms]	0.4	0.4	0.5
Capture control	OFF		
Sensing	Std.	Std.	Std.
Minimum threshold [mV]	0.2	0.8	1.6
Refractory period/Blanking	Std.		
	LV		
Pacing polarity	LV tip → LV ring		
Sensing polarity	BIPL		
Home Monitoring	ON		
Tachycardia detection	Enabled		

Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:50

Parameters - Overview

Detection

AT/AF rate [bpm]	200
VT1 rate [bpm]	122
VT2 rate [bpm]	162
VF rate [bpm]	214

Therapy

	1. ATP	2. ATP
AT/AF
VT1	2*Burst	2*Ramp
VT2	3*Burst	3*Ramp
VF	Burst	

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

ATP optimization	ON
Shock details	Standard

Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:50

Parameters - Tachycardia

AT/AF rate [bpm]	200
AT/AF therapy	
AT (stable): ATP	
ATP type	OFF
Number S1	
P-S1 interval [%]	
S1 decrement [ms]	
Mode	
AF (unstable): HF burst	
Therapy	OFF
Rate [Hz]	
Duration [s]	
Mode	
Backup stimulation [bpm]	

Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:50

Parameters - Tachycardia

Tachycardia detection	Enabled		
Ventricular detection	VT1	VT2	VF
Rate [bpm]	122	162	214
Detection counter	48	44	18 out of 24
Redetection counter	36	34	8 out of 12
SMART detection	ON	ON	
Onset [%]	20	20	
Stability [%]	12	12	
Sustained VT [min]			
VT/VF therapy	1st shock	2nd shock	3rd-nth shock
VT1 [J]	OFF		
VT2 [J]	40	40	6*40 J
VF [J]	40	40	6*40 J
VT1 ATPs	1. ATP	2. ATP	
Attempts	2	2	
ATP type	Burst	Ramp	
Ventricular pacing	RV	RV	
Number S1	5	6	
Add S1	ON	ON	
R-S1 interval [%]	85	85	
S1 decrement [ms]		10	
Scan decrement [ms]	OFF	OFF	
VT2 ATPs	1. ATP	2. ATP	
Attempts	3	3	
ATP type	Burst	Ramp	
Ventricular pacing	RV	RV	
Number S1	8	8	
Add S1	ON	ON	
R-S1 interval [%]	80	80	
S1 decrement [ms]		10	
Scan decrement [ms]	OFF	OFF	
VF therapy: ATP One Shot			
ATP type	Burst		
Ventricular pacing	RV		
Number S1	8		
R-S1 interval [%]	85		
S1 decrement [ms]			
ATP optimization	ON		
Shock details	Standard		

Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:50

Parameters - Tachycardia

Shock details	VT1	VT2	VF
Confirmation		ON	ON
Polarity		Normal	Normal
Waveform		Biphasic	Biphasic
Shock path		RV → Can+SVC	

Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:50

Parameters - Bradycardia/CRT

Mode	DDIR
Basic rate	
Basic rate [bpm]	75
Rate hysteresis [bpm]	OFF
Scan/Repetitive	
Night rate [bpm]	OFF
Night begins	
Night ends	
CLS [bpm]	OFF
Max. sensor rate	
Max. sensor rate [bpm]	110
Sensor gain	Medium
Sensor threshold	Medium
Rate increase [bpm/cycle]	2
Rate decrease [bpm/cycle]	0.5
Upper rate	
Upper rate [bpm]	
Upper rate response	
2:1 rate from [bpm]	
Atrial upper rate [bpm]	200
Mode switching	
Intervention rate [bpm]	
Mode	
Ventricular pacing	
Change of basic rate [bpm]	
Post ModeSw rate [bpm]	
Post ModeSw duration [min]	
Onset criterion [out of 8]	
Resolution criterion [out of 8]	
Vp suppression	OFF

Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:50

Parameters - Bradycardia/CRT

Ventricular pacing	Permanent	ModeSw	Post shock
Ventricular pacing	BiV		RV
Triggering	RVs		
LV T-wave protection	ON		
Maximum trigger rate [bpm]		100	
Initially paced chamber		LV	
VV delay after Vp [ms]		40	
AV delay			
AV delay after pace [ms]		150	120
AV delay after sense [ms]			
at rate [bpm]		60	130
Sense compensation [ms]			
AV hysteresis mode			
AV hysteresis [ms]			
AV scan/repetitive			
AV dynamics			Low
Post-shock pacing			
Duration			30 s
Mode			DDI
Basic rate [bpm]			70
AV delay [ms]			140
Ventricular pacing			RV
	A	RV	LV
Pulse amplitude [V]	2.0	2.0	3.0
Pulse width [ms]	0.4	0.4	0.5
Capture control	A	RV	LV
Capture control	OFF		
Threshold test start [V]			
Min. amplitude [V]			
Safety margin [V]			
Status			
Last measured threshold [V]			
Date			
Time			
Note RA			
Note RV			
Note LV			

Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:50

Parameters - Bradycardia/CRT			
Sensing	A	RV	LV
Sensing	Std.	Std.	Std.
Thresholds			
Upper threshold [%]		50	50
Upper threshold duration after sens. [ms]		350	350
Upper threshold duration after pacing [ms]		400	400
Lower threshold RV [%]		25	
Post pace T-wave suppression		OFF	
Blanking			
after atrial pace [ms]		50	100
after RV pace [ms]			80
after LV pace [ms]		80	
	A	RV	LV
Minimum threshold [mV]	0.2	0.8	1.6
Refractory period/Blanking			Std.
Refractory period/Blanking			
PVARP [ms]			225
2:1 rate from [bpm]			
PVARP extension			ON
PVARP after PVC [ms]			375
Far-field protection after Vs [ms]			75
Far-field protection after Vp [ms]			75
PMT detection/termination			
VA criterion [ms]			
	LV		
Pacing polarity	LV tip → LV ring		
Sensing polarity	BIPL		

Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:50

Parameters - Home Monitoring

General settings

Home Monitoring	ON
Time of transmission [hh:mm]	Std.
IEGM for therapy episodes	ON
IEGM for monitoring episodes	ON
Ongoing atrial episode	12 h

Last message

Message type	Trend message
Date	28/08/2017
Time	01:34
PID	88

Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:50

Parameters - Diagnostics

Recording episodes

For AT/AF	ON
For SVT	ON
Periodic recording [days]	see HMSC
IEGM configuration	RA, RV, LV

Statistics

Start resting period [hh:mm]	02:00
Resting period duration [h]	4.0
AV delay adj. sensing test [ms]	
Thoracic impedance	OFF

Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:50

Parameters - Patient

ID	550603/2444
Name	Sojka
First name	Borivoj
Date of birth	03/06/1955
Gender	M
Implantation	12/08/2016
Hospital, City	FN BRNO - BOHUNICE
Physician	MUDr. Kozak
Phone	+420532232459
Symptom	Cardiovascular arrest
ECG indication	Ventricular fibrillation
Etiology	Dilative cardiomyopathy (non-ischemic)
LVEF [%]	20
NYHA	III
Remark	

Leads

Lead model	Manufacturer	Serial number	Polarity	Implantation	Channels	
ProtegoDF1mriSD65/16	Biotronik	10611131	Quad	12/08/2016	RV	RV+SVC
Solia S 53	Biotronik	49249728	BIPL	12/08/2016	RA	
CoroxMRI OTW-L 75-BP	Biotronik	25173308	BIPL	12/08/2016	LV	
				XX/XX/XXXX		

Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:50

Changed parameters

More

	Previous	Current
Program count	17	23

Bradycardia/CRT

	Previous	Current
Mode	DDDR	DDIR
Max. sensor rate		
Max. sensor rate [bpm]	120	110
Upper rate		
Upper rate [bpm]	130	
Upper rate response [bpm]	WKB	
Wenckebach response of [bpm]	130-160	
Mode switching		
Intervention rate [bpm]	160	
Mode	DDIR	
Ventricular pacing	BiV	
Change of basic rate [bpm]	+10	
Post ModeSw rate [bpm]	+10	
Post ModeSw duration [min]	1	
Onset criterion [out of 8]	5	
Resolution criterion [out of 8]	7	
Ventricular pacing		
Mode switching: Ven. pacing	BiV	
MSw: Triggering	RVs	
MSw: LV T-wave protection	ON	
Maximum trigger rate [bpm]	130	100
AV delay		
after sensing at lower rate [ms]	110	
after sensing at upper rate [ms]	80	
Sense compensation [ms]	-40	
AV hysteresis mode	OFF	
Pulse amplitude A [V]	2.5	2.0
Pulse amplitude RV [V]	1.6	2.0
Pulse amplitude LV [V]	2.0	3.0
Capture control RA		
Right atrial capture control	ON	OFF
Min. amplitude [V]	1.0	
Threshold test start [V]	3.5	
Safety margin [V]	1.0	
Status	Pending	
Last measured threshold [V]	1.5	
Date	25/07/2017	
Time	01:03	

Capture control RV

Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:50

Changed parameters

Bradycardia/CRT

	Previous	Current
Right ventricular capture control	ON	
Min. amplitude [V]	1.0	
Threshold test start [V]	3.5	
Safety margin [V]	1.0	
Status	Pending	
Last measured threshold [V]	0.6	
Date	10/08/2017	
Time	01:05	
Capture control LV		
Left ventricular capture control	OFF	
Refractory period/Blanking		
PMT detection/termination	ON	
VA criterion [ms]	350	

Tachycardia

	Previous	Current
VT1 detection		
VT1 rate [bpm]	162	122
Counter: Detection VT1	28	48
Counter: Redetection VT1	26	36
VT1: 1st shock [J]	40	OFF
VT1: 2nd shock [J]	40	
VT1: 3.- nth [J]	6*40 J	
VT2 detection		
VT2 rate [bpm]	OFF	162
Counter: Detection VT2		44
Counter: Redetection VT2		34
SMART detection: VT2		ON
Onset: VT2 [%]		20
Stability: VT2 [%]		12
VT2 therapy: 1st ATP		
Attempts		3
ATP type		Burst
Ventricular pacing		RV
Number S1		8
Add S1		ON
R-S1 interval [%]		80
Scan decrement [ms]		OFF
VT2 therapy: 2nd ATP		
Attempts		3
ATP type		Ramp
Ventricular pacing		RV
Number S1		8

Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:50

Changed parameters

Tachycardia

	Previous	Current
Add S1		ON
R-S1 interval [%]		80
S1 decrement [ms]		10
Scan decrement [ms]		OFF
VT2: 1st shock [J]		40
VT2: 2nd shock [J]		40
VT2: 3.- nth [J]		6*40 J
Shock details		
Confirmation VT1	ON	
Polarity VT1	Normal	
Shock form VT1	Biphasic	
Confirmation VT2		ON
Polarity VT2		Normal
Shock form VT2		Biphasic

Diagnostics

	Previous	Current
AV delay adj. sensing test [ms]	300	

Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:50

Follow-up

Tachycardia detection Enabled

Patient

Name	Sojka, Borivoj
Last follow-up	08/03/2017
Implantation	12/08/2016

Device status

Mode/Ven. pacing	DDIR / BiV
Basic rate/UTR [bpm]	75 / ----
Pulse amplitude A/RV/LV [V]	2.0 / 2.0 / 3.0
Pulse width A/RV/LV [ms]	0.4 / 0.4 / 0.5
VT1/VT2/VF [bpm]	122 / 162 / 214
Last charge time	9.3 s (40 J)
Battery voltage [V]	2.97
Remaining battery capacity [%]	100
Battery status	BOS
Program number	23
Home Monitoring	ON

Test results

	A	RV	LV
Sensing amplitude [mV]	1.1	7.0	4.6
Mean rate [bpm]	153		
LV sensing polarity		BIPL	
Pacing threshold [V]		0.7	1.6
Pulse width [ms]		0.4	0.5
LV pacing polarity		LV tip → LV ring	
Pacing impedance [Ω]	⌀ 680	⌀ 492	⌀ 550
Shock impedance [Ω]		⌀ 61	
LV pacing polarity		LV tip → LV ring	

Diagnostics

Pacing A/RV/CRT [%]	57 / 98 / 99
Atrial burden [%]	20.1

Episodes

New episodes SVT/VT/VF ---- / 14 / ----

Patient	Sojka, Borivoj	Follow-up on:
Device	Itrevia 7 HF-T	04/09/2017
S/N:	60869314 (PID: 88)	07:50

Follow-up

Alerts

- 30/08/17 Ven. episode with atr. acceleration
- 31/08/17 Ven. episode (> 3 in 24 h)
- More than 128 episodes