Patient:	Hlustik 520101, Petr	Follow-up on:	
DC11001	Rivacor 7 DR-T	01/04/2022	,
	84725913 (PID: 92)	07:57	
Follow-u	ıp	(1st interro	og.)
Tachycard	ia detection	Enabled	
Patient			
Name		Hlustik 520101, Petr	
Last follov	v-up	16/04/2021	
Implantation		22/09/2020	
Device st	tatus		
Mode		DDDR	
Basic rate	/UTR [bpm]	55 / 130	
		A V	
	olitude [V]	\$ 2.0 \$ 1.7	
Pulse widt	th [ms]	0.4 0.4	
VT1/VT2/		171 / OFF / 214	
Last charg	ge time	8.9 s (40 J)	
Battery vo		3.11	
	battery capacity [%]	100	
Battery st	atus	BOS	
Program r	number	3	
Home Mor	nitoring	OFF	

			OFF
			OFF
	Α		V
\$	3.4	\$	17.6
ţ.	1.0	ф	0.7
	0.4		0.4
\$	675	ф	441
		ф	49
			24 / 7
			0.0
	Ф	\$ 3.4 \$ 1.0 0.4	\$ 3.4 \$ \$ 1.0 \$ 0.4 \$ 675 \$ \$



---- / ---- / 8

Episodes

New episodes VF/VT/others

	Hlustik 520101, Petr	Follow-up on:
Device:	Rivacor 7 DR-T	01/04/2022
		07:57

S/N: 84725913 (PID: 92) 07:57						
Tachycardia detection Enabled Mode DDDR CLS [bpm] OFF Basic rate [bpm] \$55 Sensor/Rate fading [bpm] \$10/OFF Upper rate [bpm] \$130/WKB Mode switching [bpm] \$160 / DDIR Vp suppression OFF AV delay [ms] \$220/160 Post-shock pacing 30 s Pulse amplitude [V] \$2.0 \$1.7 Pulse width [ms] 0.4 0.4 Capture control ON ON Sensing \$td. \$td. Minimum threshold [mV] 0.4 0.8 Refractory period/Blanking Ind. Home Monitoring OFF Detection OFF MRI program OFF Detection 171 VT1 rate [bpm] 200 VT1 rate [bpm] 0FF VF 214 Therapy 1.ATP 2.ATP AT/AF VT1 3*Burst	S/N: 84725913 (PI	D: 92)		Ü	/:5/	
Tachycardia detection Enabled Mode DDDR CLS [bpm] OFF Basic rate [bpm] \$55 Sensor/Rate fading [bpm] \$10/OFF Upper rate [bpm] \$130/WKB Mode switching [bpm] \$160 / DDIR Vp suppression OFF AV delay [ms] \$220/160 Post-shock pacing 30 s Pulse amplitude [V] \$2.0 \$1.7 Pulse width [ms] 0.4 0.4 Capture control ON ON Sensing \$td. \$td. Minimum threshold [mV] 0.4 0.8 Refractory period/Blanking Ind. Home Monitoring OFF Detection OFF MRI program OFF Detection 171 VT1 rate [bpm] 200 VT1 rate [bpm] 0FF VF 214 Therapy 1.ATP 2.ATP AT/AF VT1 3*Burst				••		
Mode	Parameters - Overview					(1st interrog.)
Mode	Talaharandia dakaskian					Frablad
CLS [bpm] OFF Basic rate [bpm] 55 Sensor/Rate fading [bpm] 110/OFF Upper rate [bpm] 130/WKB Mode switching [bpm] 160 / DDIR Vp suppression OFF AV delay [ms] 220/160 Post-shock pacing 30 s A V Pulse amplitude [V] \$2.0 \$1.7 Pulse width [ms] 0.4 0.4 Capture control ON ON Sensing Std. Std. Minimum threshold [mV] 0.4 0.8 Refractory period/Blanking Ind. Home Monitoring OFF MRI program OFF Detection OFF AT/AF rate [bpm] 200 VT1 rate [bpm] 171 VT2 rate [bpm] OFF VF rate [bpm] 214 Therapy 1.ATP 2.ATP AT/AF VT1 3*Burst 3*Ramp VT2 40	lachycardia detection					Enabled
Basic rate [bpm] 55 Sensor/Rate fading [bpm] 110/OFF Upper rate [bbm] 130/WKB Mode switching [bpm] 160 / DDIR Vp suppression OFF AV delay [ms] 220/160 Post-shock pacing A V Pulse amplitude [V] \$2.0 \$1.7 Pulse width [ms] 0.4 0.4 Capture control ON ON Sensing Std. Std. Minimum threshold [mV] 0.4 0.8 Refractory period/Blanking Ind. Home Monitoring OFF Detection OFF MRI program OFF Detection 200 VT1 rate [bpm] 171 VT2 rate [bpm] 0FF VF rate [bpm] 214 Therapy 1.ATP 2.ATP AT/AF VT1 3*Burst 3*Ramp VT2 40 40 6*40 J VT2 [J] 40 <t< td=""><td>Mode</td><td></td><td></td><td></td><td></td><td>DDDR</td></t<>	Mode					DDDR
Sensor/Rate fading [bpm] 130/WKB	CLS [bpm]					OFF
Upper rate [bpm] 130/WKB Mode switching [bpm] 160 / DDIR Vp suppression OFF AV delay [ms] 220/160 Post-shock pacing 30 s Pulse amplitude [V] 2.0 ° 1.7 Pulse width [ms] 0.4 0.4 Capture control ON ON Sensing Std. Std. Minimum threshold [mV] 0.4 0.8 Refractory period/Blanking Ind. Home Monitoring OFF Detection OFF AT/AF rate [bpm] 200 VT1 rate [bpm] 171 VT2 rate [bpm] 214 Therapy 1.ATP 2.ATP AT/AF VT1 3*Burst 3*Ramp VT2 VF Burst AT/AF VT1 40 40 6*40 J VT2 [J] 40 40 6*40 J VT2 [J] 40 40 6*40 J	Basic rate [bpm]					55
Mode switching [bpm] 160 / DDIR Vp suppression OFF AV delay [ms] 220/160 Post-shock pacing 30 s A V Pulse amplitude [V] \$ 2.0 \$ 1.7 Pulse width [ms] 0.4 0.4 Capture control ON ON Sensing Std. Std. Minimum threshold [mV] 0.4 0.8 Refractory period/Blanking Ind. Home Monitoring OFF MRI program OFF Detection AT/AF AT/AF rate [bpm] 200 VT1 rate [bpm] 171 VT2 rate [bpm] OFF VF rate [bpm] 1. ATP 2. ATP AT/AF VT1 3*Burst 3*Ramp VT2 VF Burst VT1 [J] 40 40 6*40 J ATP optimization ON ON	Sensor/Rate fading [bpm]					110/OFF
Vp suppression OFF AV delay [ms] 220/160 Post-shock pacing 30 s Pulse amplitude [V] \$ 2.0 \$ 1.7 Pulse width [ms] 0.4 0.4 Capture control ON ON Sensing Std. Std. Minimum threshold [mV] 0.4 0.8 Refractory period/Blanking Ind. Home Monitoring OFF MRI program OFF Detection OFF AT/AF rate [bpm] 200 VT1 rate [bpm] 171 VT2 rate [bpm] OFF VF rate [bpm] 214 Therapy 1.ATP 2.ATP AT/AF VT1 3*Burst 3*Ramp VT2 VT Burst VT2 Ist shock 2nd shock 3rd-nth shock VT1 [J] 40 40 6*40 J VT2 [J] VF 0 6*40 J	Upper rate [bpm]					130/WKB
AV delay [ms] 220/160 Post-shock pacing 30 s A	Mode switching [bpm]					160 / DDIR
AV delay [ms] 220/160 Post-shock pacing 30 s A	Vp suppression					OFF
Pulse amplitude [V] 2.0 1.7 Pulse width [ms] 0.4 0.4 Capture control ON ON Sensing Std. Std. Minimum threshold [mV] 0.4 0.8 Refractory period/Blanking Ind. Home Monitoring OFF MRI program OFF Detection T/T AT/AF rate [bpm] 200 VT1 rate [bpm] 171 VT2 rate [bpm] OFF VF rate [bpm] 214 Therapy 1. ATP 2. ATP AT/AF VT1 3*Burst 3*Ramp VT2 UF Burst VT1 [J] 40 40 6*40 J VT2 [J] VF [J] 40 40 6*40 J ATP optimization ON ON						220/160
Pulse amplitude [V]	Post-shock pacing					30 s
Pulse amplitude [V]					Α	V
Pulse width [ms] 0.4 0.4 Capture control ON ON Sensing Std. Std. Minimum threshold [mV] 0.4 0.8 Refractory period/Blanking Ind. Home Monitoring OFF MRI program OFF Detection AT/AF rate [bpm] 200 VT1 rate [bpm] 0FF VF rate [bpm] 0FF VF rate [bpm] 214 Therapy 1. ATP 2. ATP AT/AF VT1 3*Burst 3*Ramp VT2 VT VT Burst VT1 [J] 40 40 6*40 J VT2 [J] VF [J] 40 40 6*40 J ATP optimization ON ON	Pulse amplitude [V]			\$		
Capture control ON ON Sensing Std. Std. Minimum threshold [mV] 0.4 0.8 Refractory period/Blanking Ind. Home Monitoring OFF MRI program OFF Detection 200 VT1 rate [bpm] 271 VT2 rate [bpm] OFF VF rate [bpm] 214 Therapy 1. ATP 2. ATP AT/AF VT1 3*Burst 3*Ramp VT2 VF Burst VT1 [J] 40 40 6*40 J VT2 [J] VF [J] 40 40 6*40 J ATP optimization ON						
Sensing Std. Std. Minimum threshold [mV] 0.4 0.8 Refractory period/Blanking Ind. Home Monitoring OFF MRI program OFF Detection AT/AF rate [bpm] 200 VT1 rate [bpm] 0FF VF rate [bpm] 0FF VF rate [bpm] 214 Therapy 1. ATP 2. ATP AT/AF VT1 3*Burst 3*Ramp VT2 VF Burst VT1 [J] 40 40 6*40 J VT2 [J] VF [J] 40 40 6*40 J ATP optimization ON 6*40 J 6*40 J						
Minimum threshold [mV] 0.4 0.8 Refractory period/Blanking Ind. Home Monitoring OFF MRI program OFF Detection 200 AT/AF rate [bpm] 171 VT2 rate [bpm] OFF VF rate [bpm] 214 Therapy 1. ATP 2. ATP AT/AF VT1 3*Burst 3*Ramp VT2 VF Burst VT1 [J] 40 40 6*40 J VT2 [J] VF [J] 40 40 6*40 J ATP optimization ON ON ON ON	•					
Refractory period/Blanking Ind. Home Monitoring OFF MRI program OFF Detection AT/AF rate [bpm] 200 VT1 rate [bpm] 0FF VF rate [bpm] OFF VF rate [bpm] 1. ATP 2. ATP AT/AF VT1 3*Burst 3*Ramp VT2 VF Burst VT1 [J] 40 40 6*40 J VT1 [J] 40 40 6*40 J ATP optimization ON						
Home Monitoring OFF MRI program OFF Detection 200 AT/AF rate [bpm] 200 VT1 rate [bpm] 0FF VF rate [bpm] 0FF VF rate [bpm] 1. ATP 2. ATP AT/AF VT1 3*Burst 3*Ramp VT2 Burst VF Burst VT1 [J] 40 40 6*40 J VT2 [J] VF [J] 40 40 6*40 J ATP optimization ON	Minimum threshold [mV]				0.4	0.8
Home Monitoring OFF MRI program OFF Detection 200 AT/AF rate [bpm] 200 VT1 rate [bpm] 0FF VF rate [bpm] 0FF VF rate [bpm] 1. ATP 2. ATP AT/AF VT1 3*Burst 3*Ramp VT2 Burst VF Burst VT1 [J] 40 40 6*40 J VT2 [J] VF [J] 40 40 6*40 J ATP optimization ON	Refractory period/Blanking					Ind.
MRI program OFF Detection AT/AF rate [bpm] 200 VT1 rate [bpm] 171 VT2 rate [bpm] OFF VF rate [bpm] 214 Therapy 1. ATP 2. ATP AT/AF VT1 3*Burst 3*Ramp VT2 VF Burst VT1 [J] 40 40 6*40 J VT2 [J] VF [J] 40 40 6*40 J ATP optimization ON ON						
Detection AT/AF rate [bpm] 200 VT1 rate [bpm] 171 VT2 rate [bpm] OFF VF rate [bpm] 214 Therapy 1. ATP 2. ATP AT/AF VT1 3*Burst 3*Ramp VT2 Burst VT Burst Strictle of the shock VT1 [J] 40 40 6*40 J VT2 [J] VF [J] 40 40 6*40 J ATP optimization ON ON	Home Monitoring					OFF
AT/AF rate [bpm] 200 VT1 rate [bpm] 171 VT2 rate [bpm] OFF VF rate [bpm] 214 Therapy AT/AF VT1 3*Burst 3*Ramp VT2 VF Burst VT Burst St shock 2nd shock 3rd-nth shock VT1 [J] 40 40 6*40 J VT2 [J] VF [J] 40 40 6*40 J ATP optimization ON	MRI program					OFF
AT/AF rate [bpm] 200 VT1 rate [bpm] 171 VT2 rate [bpm] OFF VF rate [bpm] 214 Therapy AT/AF VT1 3*Burst 3*Ramp VT2 VF Burst VT Burst St shock 2nd shock 3rd-nth shock VT1 [J] 40 40 6*40 J VT2 [J] VF [J] 40 40 6*40 J ATP optimization ON						
VT1 rate [bpm] 171 VT2 rate [bpm] OFF VF rate [bpm] 214 Therapy 1. ATP 2. ATP AT/AF VT1 3*Burst 3*Ramp VT2 VF Burst VT1 [J] 40 40 6*40 J VT2 [J] VF [J] 40 40 6*40 J ATP optimization ON						200
VT2 rate [bpm] OFF VF rate [bpm] 214 Therapy 1. ATP 2. ATP AT/AF VT1 3*Burst 3*Ramp VT2 Burst VF Burst VT1 [J] 40 40 6*40 J VT2 [J] 40 40 6*40 J ATP optimization ON						
VF rate [bpm] 214 Therapy 1. ATP 2. ATP AT/AF VT1 3*Burst 3*Ramp VT2 VF Burst VT1 [J] 40 40 6*40 J VT2 [J] VF [J] 40 40 6*40 J ATP optimization ON						
AT/AF VT1 3*Burst 3*Ramp VT2 VF Burst 1st shock 2nd shock 3rd-nth shock VT1 [J] 40 40 6*40 J VT2 [J] VF [J] 40 ATP optimization ON						
AT/AF VT1 3*Burst 3*Ramp VT2 VF Burst 1st shock 2nd shock 3rd-nth shock VT1 [J] 40 40 6*40 J VT2 [J] VF [J] 40 ATP optimization ON						
VT1 3*Burst 3*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 ATP optimization ON					1. ATP	2. ATP
VT2 Burst VF 1st shock 2nd shock 3rd-nth shock VT1 [J] 40 40 6*40 J VT2 [J] VF [J] 40 40 6*40 J ATP optimization ON						
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 ATP optimization ON					3*Burst	3*Kamp
1st shock 2nd shock 3rd-nth shock VT1 [J] 40 40 6*40 J VT2 [J] VF [J] 40 40 6*40 J ATP optimization ON						Ruret
VT1 [J] 40 40 6*40 J VT2 [J] VF [J] 40 40 6*40 J ATP optimization ON	VF					buist
VT2 [J] VF [J] 40 40 6*40 J ATP optimization ON						
VF [J] 40 40 6*40 J ATP optimization ON			40		40	6*40 J
ATP optimization ON						-
	VF [J]		40		40	6*40 J
Shock details Standard	ATP optimization					ON
	Shock details					Standard



excellence for life

Patient:	Hlustik 520101, Petr	Follow-up on	
Device:	Rivacor 7 DR-T	01/04/2022	
S/N:	84725913 (PID: 92)	07:57	
Paramet	ers - Tachycardia		(1st interrog.)
AT/AF rate	e [bpm]		200
AT/AF the	erapy		
	able): ATP		
ATP typ	ре		OFF
Numbe	er S1		
P-S1 ir	nterval [%]		
S1 dec	rement [ms]		
Mode			
AF (ur	nstable): HF burst		
Therap	ру		OFF
Rate [H			
Duratio	on [s]		
Mode			
Backup	o stimulation [bpm]		



Patient:	Hlustik 520101, Petr	Follow-up on:
Device:	Rivacor 7 DR-T	01/04/2022
S/N:	84725913 (PID: 92)	07:57

S/N: 84725913 (PID: 92)		07:57	
Parameters - Tachycardia			(1st interrog.)
Tachycardia detection			Enabled
Ventricular detection	VT1	VT2	VF
Rate [bpm]	171	OFF	214
Detection counter	28		16 out of 20
Redetection counter	20		8 out of 12
SMART detection	ON		
Onset [%]	20		
Stability [%]	12		
MorphMatch			
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		3	3
ATP type		Burst	Ramp
Number S1		5	5
Add S1		ON	ON
R-S1 interval [%]		80	80
S1 decrement [ms]			10
Scan decrement [ms]		OFF	OFF
VT2 ATPs		1. ATP	2. ATP
Attempts			
ATP type			
Number S1			
Add S1			
R-S1 interval [%]			
S1 decrement [ms]			
Scan decrement [ms]			
VF therapy: ATP One Shot			Durct
ATP type Number S1			Burst
			8
R-S1 interval [%]			88
S1 decrement [ms]			055
Early ATP delivery			OFF
ATP optimization			ON
Charalta data the			Charada ad



Standard

Shock details

Patient:	Hlustik 520101, Petr	Follow-up on:
Device:	Rivacor 7 DR-T	01/04/2022
S/N:	84725913 (PID: 92)	07:57

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



Patient:	Hlustik 520101, Petr	Follow-up o	n:
Device:	Rivacor 7 DR-T	 01/04/2022	
S/N:	84725913 (PID: 92)	 07:57	
Paramet	ers - Tachycardia		(1st interrog.)
MorphMat	tch		
Zone		VT1	VT2
Morph	Match		
Morph	Match threshold		



	Hlustik 520101, Petr	Follow-up on:
Device:		01/04/2022
S/N:		07:57

Parameters - Bradycardia	(1st interrog.)
Mode	DDDR
Basic rate	
Basic rate [bpm]	55
Rate hysteresis [bpm]	
Scan/Repetitive	ON
Night rate [bpm]	50
Night begins	22:00
Night ends	06:00
Night ends	00.00
CLS [bpm]	OFF
Sensor/Rate fading	
Max. sensor rate [bpm]	110
Sensor gain	Medium
Sensor threshold	Medium
Rate fading	OFF
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]	130-133
Atrial upper rate [bpm]	200
Mode switching	
Intervention rate [bpm]	160
Mode	DDIR
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]	5
Rate stabilization during mode switching	OFF
Vp suppression	OFF



	Hlustik 520101, Petr	Follow-up on:
		01/04/2022
S/N:	84725913 (PID: 92)	07:57

Parameters - Bradycardia		(1st interr		
AV delay				
AV delay after pace [ms]		220	160	
AV delay after sense [ms]		200	140	
at rate [bpm]		60	130	
Sense compensation [ms]			-20	
AV hysteresis mode			IRSplus	
AV hysteresis [ms]			400	
AV scan/repetitive			ON	
AV dynamics			Individual	
Post-shock pacing				
Duration			30 s	
Mode			DDI	
Basic rate [bpm]			70	
AV delay [ms]			140	
		А	V	
Pulse amplitude [V]	Ţ.	2.0	\$ 1.7	
Pulse width [ms]		0.4	0.4	
Capture control		А	V	
Capture control		ON	ON	
Threshold test start [V]		3.5	3.5	
Min. amplitude [V]		1.0	1.0	
Safety margin [V]		1.0	1.0	
Status		OK	OK	
Last measured threshold [V]		1.0	0.7	
Date		01/04/2022	01/04/2022	
Time		00:26	00:05	
Note RA				



Patient:	Hlustik 520101, Petr	Follow-up on:
Device:	Rivacor 7 DR-T	01/04/2022
S/N:		07:57

Parameters - Bradycardia		(1st interrog.)
Sensing	Α	V
Sensing	Std.	Std.
Thresholds		
Upper threshold [%]		50
Upper threshold duration after sens. [ms]		350
Upper threshold duration after pacing [ms]		400
Lower threshold [%]		25
Post pace T-wave suppression		OFF
Blanking		
after atrial pace [ms]		50
	Α	V
Minimum threshold [mV]	0.4	0.8
Refractory period/Blanking		Ind.
PVARP [ms]		250
Wenckebach response of [bpm]		130-133
PVARP extension		ON
PVARP after PVC [ms]		400
Far-field protection after Vs [ms]		AUTO
Far-field protection after Vp [ms]		75
PMT detection/termination		ON
VA criterion [ms]		350



Parameters - Home Monitoring		(1st interrog.)
S/N:	84725913 (PID: 92)	07:57
Device:	Rivacor 7 DR-T	01/04/2022
Patient:	Hlustik 520101, Petr	Follow-up on:

Parameters - Home Monitoring	(1st interrog.)
General settings	
Home Monitoring	OFF
Time of transmission [hh:mm]	
IEGM for therapy episodes	
IEGM for monitoring episodes	
Ongoing atrial episode	
QuickCheck	
Last message	
Message type	
Date	
Time	
PID	92



Patient:	Hlustik 520101, Petr	Follow-up on:
Device:	Rivacor 7 DR-T	01/04/2022
S/N:	84725913 (PID: 92)	07:57

Parameters - Diagnostics	(1st interrog.)
Recording episodes	
For AT/AF	ON
For SVT	ON
For nsT	ON
Periodic recording [days]	90
Statistics	
Start resting period [hh:mm]	02:00
Resting period duration [h]	4.0
AV delay adj. sensing test [ms]	300
Thoracic impedance	OFF



	Hlustik 520101, Petr	Follow-up on:
Device:	Rivacor 7 DR-T	01/04/2022
S/N:	84725913 (PID: 92)	07:57

520101/066 Hlustik 520101 Petr 01/01/1952 M 22/09/2020 FN Brno
Hlustik 520101 Petr 01/01/1952 M 22/09/2020
Petr 01/01/1952 M 22/09/2020
01/01/1952 M 22/09/2020
M 22/09/2020
22/09/2020
FN Brno
111 21110
M.D. Hetmer Martin
+420532232459
Congestive heart failure
Not documented
Dilative cardiomyopathy (non-ischemic)
30
XXX

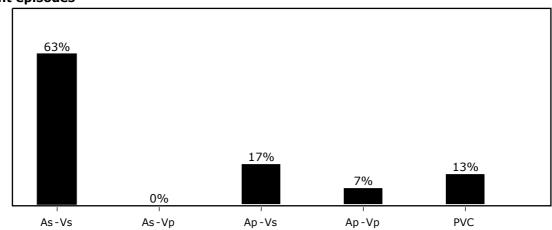
Leads

Lead model	Serial number	Manufacturer	Туре	Implantation	Brady	Tachy
Solia S 53	7000027521	Biotronik	BIPL	22/09/2020	RA	
PlexaMRI SD 65/16	81319521	Biotronik	Quad	22/09/2020	RV	RV+SVC
				XX/XX/XXXX		
				XX/XX/XXXX		

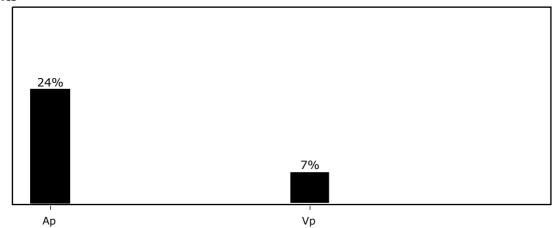


Diagnostics - Timing

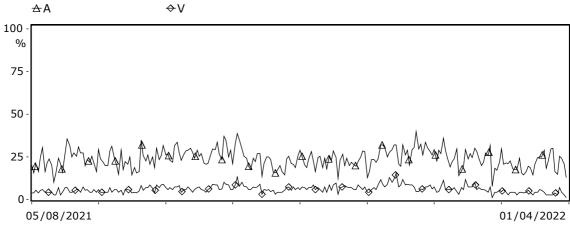
Event episodes



Events



Pacing trends



Mode switching

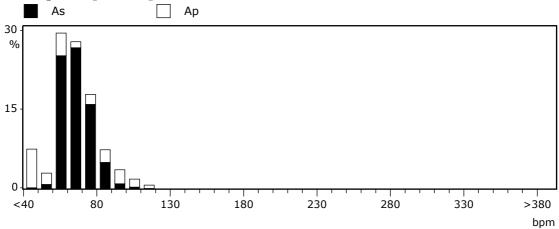
Mode switching episodes 37

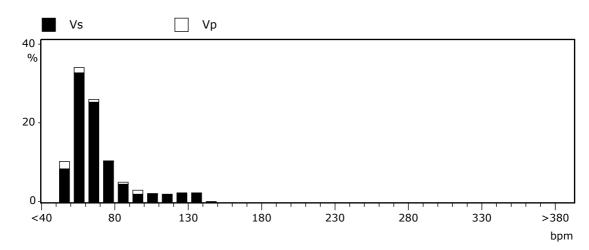


Patient:	Hlustik 520101, Petr	Follow-up on:
Device:	Rivacor 7 DR-T	01/04/2022
S/N:	84725913 (PID: 92)	07:57

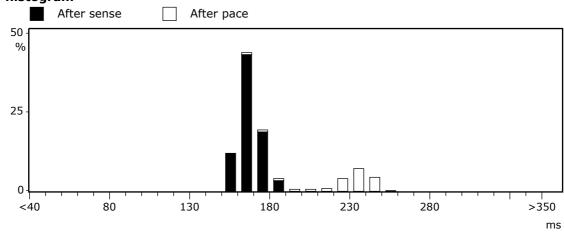
Diagnostics - Timing 2

Rate histograms [% time]





AV histogram



Patient:	Hlustik 520101, Petr	Follow-up on:
Device:	Rivacor 7 DR-T	01/04/2022
S/N:	84725913 (PID: 92)	07:57

Diagnostics - Arrhythmia A

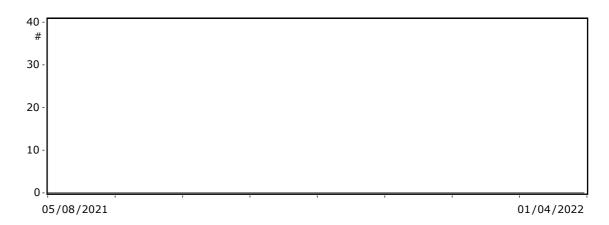
Atrial burden

Total number of episodes	0	
Atrial arrhythmia burden [%]	0.0	

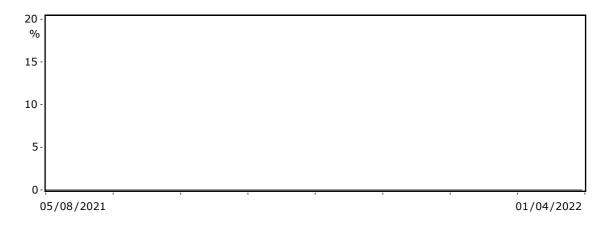
Duration of tachycardia episode

0	1%	25%	50%	75 %	100 %
0 - 1min	0%	•	•	•	
1 - 10 min	0%				
10-60 min	0%				
1 - 4h	0%				
4 - 12h	0%				
12 - 24 h	0%				
24 - 48 h	0%				
> 48 h	0%				

Tachy-episodes/24 h



Arrhythmia burden AT/AF

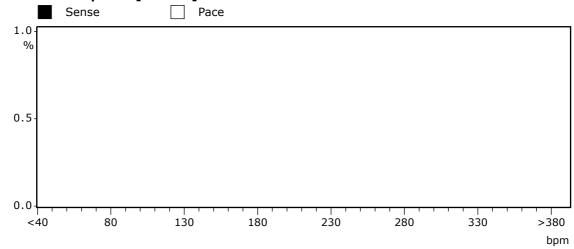


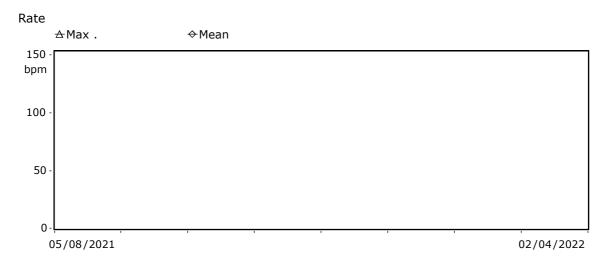


Patient:	Hlustik 520101, Petr	Follow-up on:
Device:	Rivacor 7 DR-T	01/04/2022
S/N:	84725913 (PID: 92)	07:57

Diagnostics - Arrhythmia A

Ventricular response [% time]

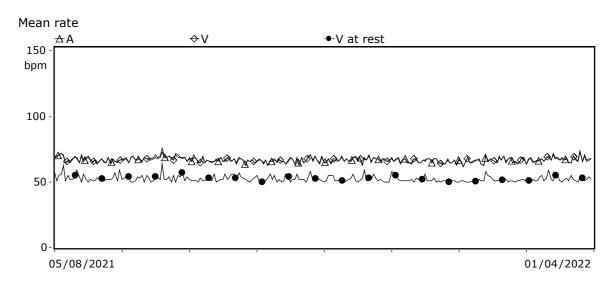


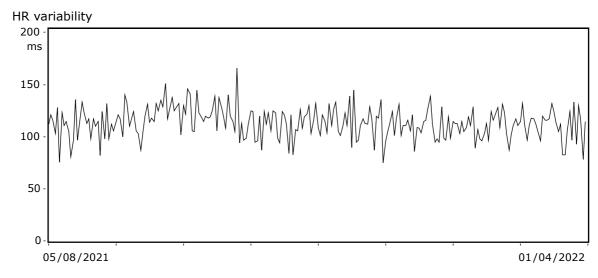


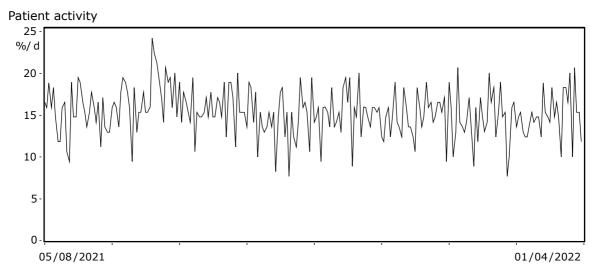


Patient:	Hlustik 520101, Petr	Follow-up on:
Device:	Rivacor 7 DR-T	01/04/2022
S/N:	84725913 (PID: 92)	07:57

Diagnostics - HF monitor





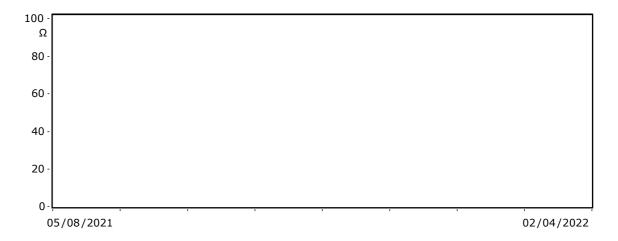




Patient:	Hlustik 520101, Petr	Follow-up on:
Device:	Rivacor 7 DR-T	01/04/2022
S/N:	84725913 (PID: 92)	07:57

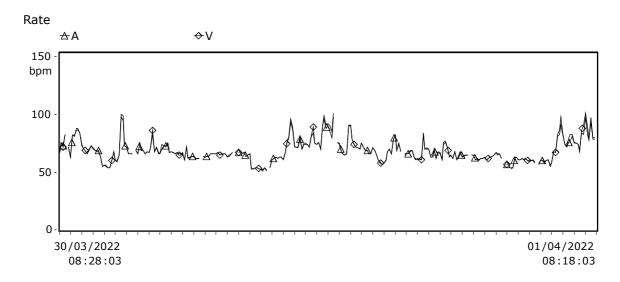
Diagnostics - HF monitor

Thoracic impedance

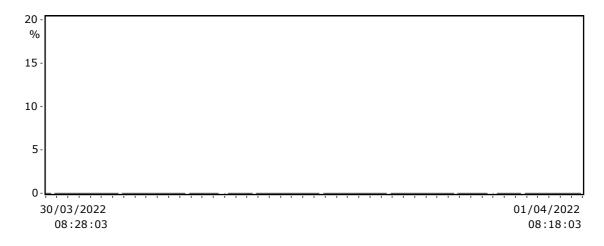


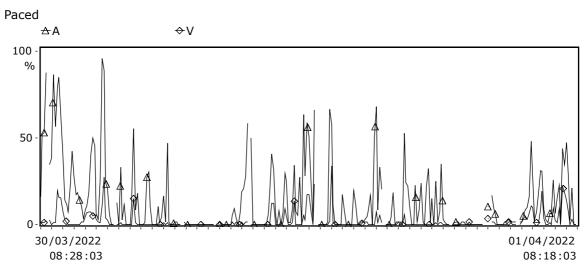


Diagnostics - 48 hours



Atrial arrhythmia burden



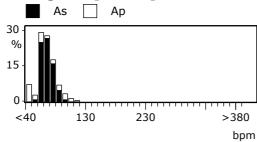


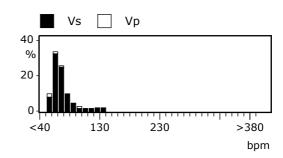


Patient:	Hlustik 520101, Petr	Follow-up on:
Device:	Rivacor 7 DR-T	01/04/2022
S/N:	84725913 (PID: 92)	07:57

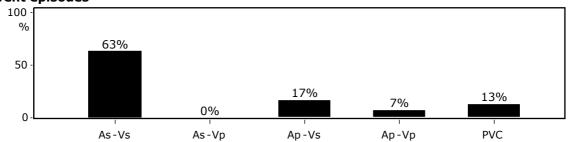
Follow-up - Details

Rate histograms [% time]





Event episodes

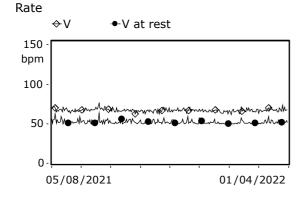


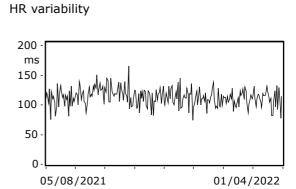
Longest atrial episode

Longest atrial episode [dd:hh:mm]

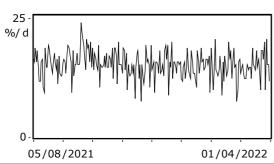
00:00:00

Long-term trends

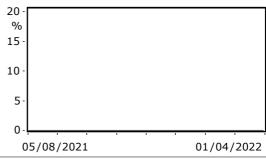




Patient activity



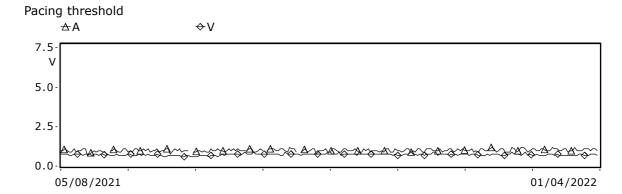
AT/AF burden

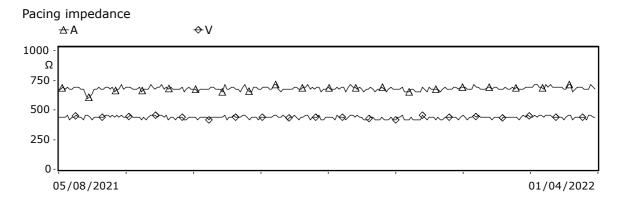




Patient:	Hlustik 520101, Petr	Follow-up on:
Device:	Rivacor 7 DR-T	01/04/2022
S/N:	84725913 (PID: 92)	07:57

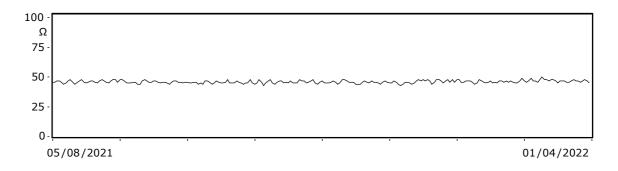
Follow-up - TrendView





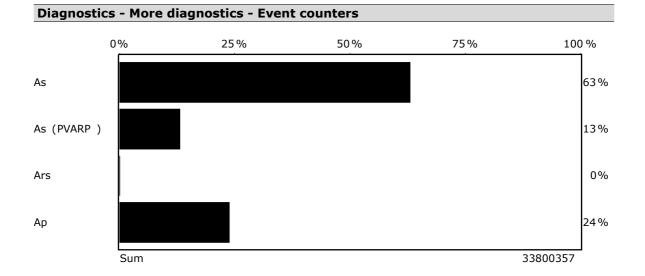
Shock impedance

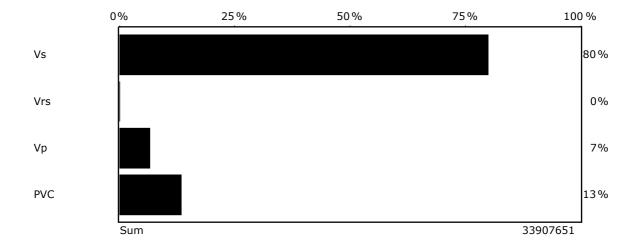
05/08/2021





01/04/2022



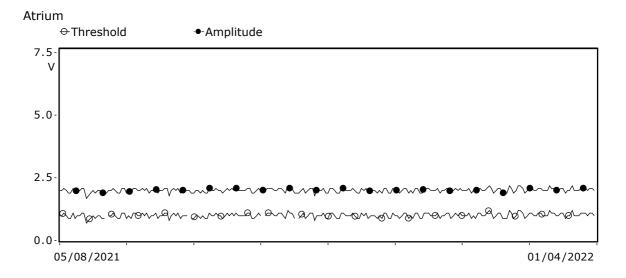


Mode switching episodes	37
Detected PMTs	14
Safety window pacing	131941
Start	17/04/2021

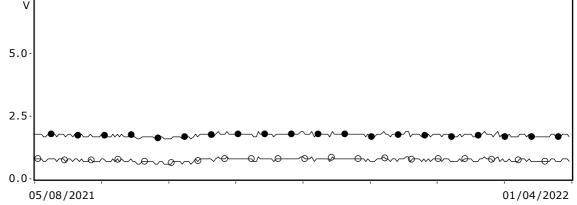


Patient:	Hlustik 520101, Petr	Follow-up on:
Device:	Rivacor 7 DR-T	01/04/2022
S/N:	84725913 (PID: 92)	07:57

Diagnostics - More diagnostics - Pulse amplitudes



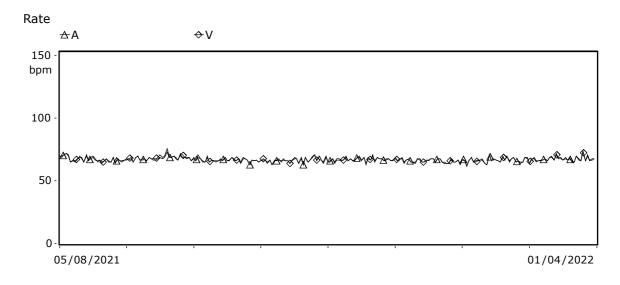
$\textcolor{red}{\ominus} \mathsf{Threshold}$ Amplitude 7.5 5.0

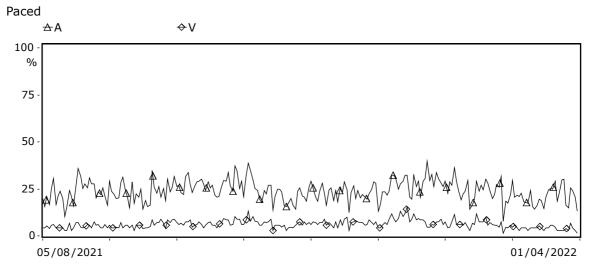


Ventricle

Patient:	Hlustik 520101, Petr	Follow-up on:
Device:	Rivacor 7 DR-T	01/04/2022
S/N:	84725913 (PID: 92)	07:57

Diagnostics - More diagnostics - Rate trend



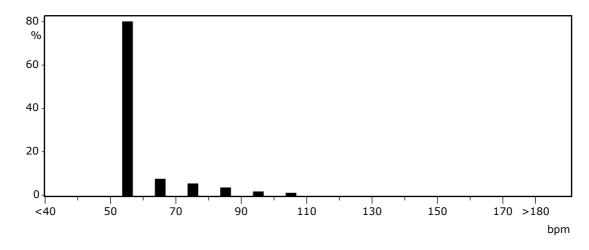




Patient:	Hlustik 520101, Petr	Follow-up on:
Device:	Rivacor 7 DR-T	01/04/2022
S/N:	84725913 (PID: 92)	07:57

Diagnostics - More diagnostics - Sensor rate

Sensor rate [% time]



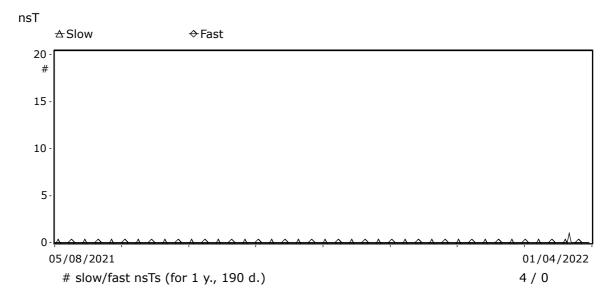
Patient:	Hlustik 520101, Petr	Follow-up on:
Device:	Rivacor 7 DR-T	01/04/2022
S/N:	84725913 (PID: 92)	07:57

Diagnostics - More diagnostics - PVC/h

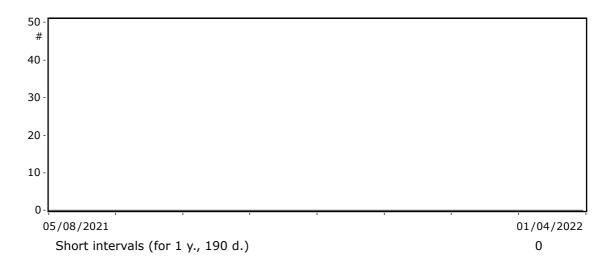
Trend PVC/h 125 PVC /h 100 75 50 05/08/2021 01/04/2022



Diagnostics - More diag. - Short intervals/nsT



Short intervals

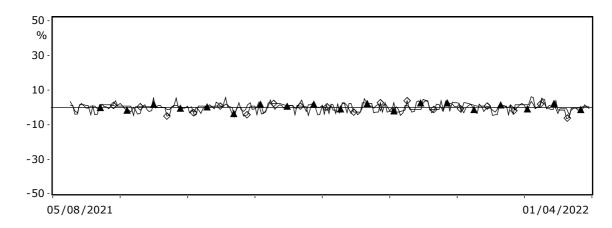


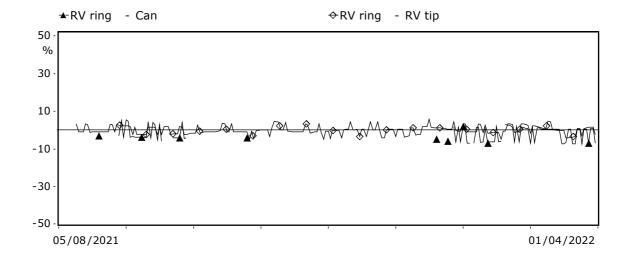
Patient:	Hlustik 520101, Petr	Follow-up on:
Device:	Rivacor 7 DR-T	01/04/2022
S/N:	84725913 (PID: 92)	07:57

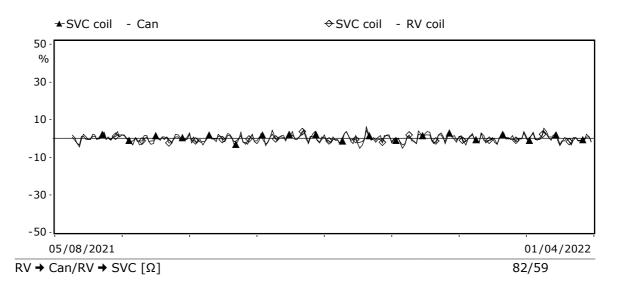
Diag. - More diag. - Extended RV lead measurement

Rel. RV lead impedance change









Patient:	Hlustik 520101, Petr	Follow-up on:
Device:	Rivacor 7 DR-T	01/04/2022
S/N:	84725913 (PID: 92)	07:57

Recordings - Shocks

No.	Time	Energy [J]	Charge time [s]	Impedance $[\Omega]$	Description
3	25/12/21 01:12	40	8.9	***	Automatic cap reform
2	28/06/21 01:12	40	8.9	***	Automatic cap reform
1	30/12/20 01:12	40	8.8	***	Automatic cap reform



3

Recordings - Counter

Detections since last follow-up

Zone	Atr. mon.	Atr. ther.	SVT	VT1 mon.	VT1 ther.	VT2	VF
Number	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0
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	0	0
ATP One Shot	0	0
Shock	0	0

Therapy since implantation

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



Patient:	Hlustik 520101, Petr	Follow-up on:
Device:	Rivacor 7 DR-T	01/04/2022
S/N:	84725913 (PID: 92)	07:57

Recordings - ATP statistics

(1st interrog.)

Zone	ATP	Sequence	Delivered	Successful	Accelerated
VT1	ATP1: 1. Burst	1	0	0	0
VT1	ATP1: 2. Burst	2	0	0	0
VT1	ATP1: 3. Burst	3	0	0	0
VT1	ATP2: 1. Ramp	4	0	0	0
VT1	ATP2: 2. Ramp	5	0	0	0
VT1	ATP2: 3. Ramp	6	0	0	0

* blocked due to acceleration

BIOTRONIK excellence for life

Patient:	Hlustik 520101, Petr	Follow-up on:
Device:	Rivacor 7 DR-T	01/04/2022
S/N:	84725913 (PID: 92)	07:58

Recordings - Episodes

No.	Time	Zone	PP [ms]	RR [ms]	Description	PP [ms]	RR [ms]
20	22/03/22 14:18	nsT	***	***	Slow nsT	***	***
19	16/03/22 01:32		***	***	Periodic IEGM	***	***
18	16/12/21 01:32		***	***	Periodic IEGM	***	***
16	17/09/21 01:32		***	***	Periodic IEGM	***	***
14	29/07/21 03:23	nsT	***	***	Slow nsT	***	***
13	19/06/21 01:32		***	***	Periodic IEGM	***	***
11	06/06/21 21:48	nsT	***	***	Slow nsT	***	***
10	05/06/21 06:30	nsT	***	***	Slow nsT	***	***
7	21/03/21 01:32		***	***	Periodic IEGM	***	***
2	21/12/20 01:32		***	***	Periodic IEGM	***	***



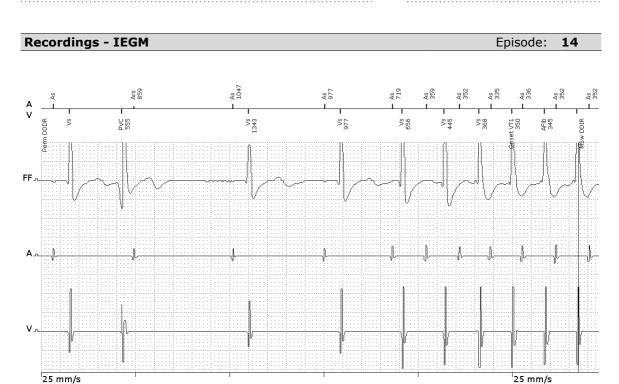
	Hlustik 520101, Petr	Follow-up on:
Device:		01/04/2022
		07:58

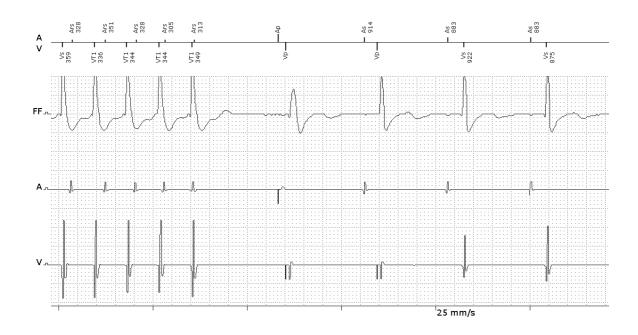
Recordings - Details			Episode:	14
EGM of episode No.			14	
Detection				
Zone			nsT	
Measured Onset in V [%]			43	
Measured stability in V [ms]				
MorphMatch counter [%]				
	VT1	VT2	VF	
Redetections				
Therapy				
ATP				
Shocks				
Max. energy [J]				
ATP One Shot				
Times				
Detection		29/07/2021	03:23:06	
Termination				
Duration				

Remark

Slow non-sustained tachycardia









Patient:	Hlustik 520101, Petr	Follow-up on:
Device:	Rivacor 7 DR-T	01/04/2022
S/N:	84725913 (PID: 92)	07:58

Recordings - IEGM





Episode: 14

Patient:	Hlustik 520101, Petr	Follow-up on:
Device:	Rivacor 7 DR-T	01/04/2022
S/N:	84725913 (PID: 92)	07:59

Recordings - ATP statistics

Zone	ATP	Sequence	Delivered	Successful	Accelerated
VT1	ATP1: 1. Burst	1	0	0	0
VT1	ATP1: 2. Burst	2	0	0	0
VT1	ATP1: 3. Burst	3	0	0	0
VT1	ATP2: 1. Ramp	4	0	0	0
VT1	ATP2: 2. Ramp	5	0	0	0
VT1	ATP2: 3. Ramp	6	0	0	0

* blocked due to acceleration



Patient:	Hlustik 520101, Petr	Follow-up on:
	Thustik 320101, Feti	Tollow-up off.
Device:	Rivacor 7 DR-T	01/04/2022
S/N:	84725913 (PID: 92)	07:59

Device:	Rivacor / DR-I		01/04/2022	
S/N:	84725913 (PID: 92)		07:59	
Paramet	ers - Overview			
Tachycard	lia detection			Enabled
Mode				DDDR
CLS [bpm]			OFF
Basic rate	[bpm]			55
Sensor/Ra	ate fading [bpm]			110/OFF
Upper rate	e [bpm]			130/WKB
Mode swit	ching [bpm]			160 / DDIR
Vp suppre				OFF
AV delay [220/160
Post-shoc	k pacing			30 s
			Α	V
	olitude [V]		\$ 2.0	\$ 1.7
Pulse widt			0.4	0.4
Capture c	ontrol		ON	ON
Sensing			Std.	Std.
Minimum	threshold [mV]		0.4	0.8
Refractory	/ period/Blanking			Ind.
Home Mor	nitoring			OFF
MRI progr	ram			OFF
Detection	n			
AT/AF rate				200
VT1 rate [171
VT2 rate [[bpm]			OFF
VF rate [b	ppm]			214
Therapy			1. ATP	2. ATP
AT/AF				
VT1			3*Burst	3*Ramp
VT2				
VF			В	surst
		1st shock	2nd shock	3rd-nth shock
VT1 [J]		40	40	6*40 J
VT2 [J]				
VF [J]		40	40	6*40 J
ATP optim				ON
Shock det	ails			Standard



Patient:	Hlustik 520101, Petr	Follow-up on:	
Device:	Rivacor 7 DR-T	01/04/2022	
S/N:	84725913 (PID: 92)	07:59	
Paramet	ters - Tachycardia		
AT/AF rate	e [bpm]		200
AT/AF the	erapy		
AT (st	able): ATP		
ATP ty	ре		OFF
Numbe	er S1		
P-S1 ir	nterval [%]		
S1 dec	rement [ms]		
Mode			
AF (ur	nstable): HF burst		
Therap			OFF
Rate [l			
Duratio	on [s]		
Mode			
Backup	o stimulation [bpm]		



Patient:	Hlustik 520101, Petr	Follow-up on:
Device:	Rivacor 7 DR-T	01/04/2022
S/N:	84725913 (PID: 92)	07:59

Device:	Rivacor 7 DR-T		01/04/2022	
S/N:	84725913 (PID: 92)		07:59	
Paramet	ters - Tachycardia			
Tachycard	lia detection			Enabled
Ventricula	ar detection	VT1	VT2	VF
Rate [l	[mqd	171	OFF	214
	ion counter	28		16 out of 20
Redete	ection counter	20		8 out of 12
SMART	Γ detection	ON		
Onset		20		
Stabilit		12		
Morphi				
	ned VT [min]			
VT/VF the	erapy	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
Attemp			3	3
ATP ty			Burst	Ramp
Numbe	er S1		5	5
Add S1	1		ON	ON
R-S1 ir	nterval [%]		80	80
S1 dec	crement [ms]			10
Scan d	lecrement [ms]		OFF	OFF
VT2 ATPs			1. ATP	2. ATP
Attemp	pts			
Attemp ATP ty				
	pe			
ATP ty	pe er S1			
ATP ty Number	pe er S1			
ATP typ Number Add S1 R-S1 ir	pe er S1 1			
ATP ty Numbe Add S1 R-S1 in	pe er S1 1 nterval [%]			
ATP ty Number Add S1 R-S1 in S1 dec Scan d	pe er S1 I nterval [%] crement [ms] decrement [ms] y: ATP One Shot			
ATP tyl Numbe Add S1 R-S1 ir S1 dec Scan d VF therap ATP tyl	pe er S1 I nterval [%] crement [ms] decrement [ms] y: ATP One Shot pe			Burst
ATP type Number Add S1 R-S1 in S1 dec Scan d VF therap ATP type Number N	pe er S1 I nterval [%] crement [ms] decrement [ms] y: ATP One Shot pe er S1			Burst 8
ATP type Number Add S1 R-S1 ir S1 dec Scan d VF therap ATP type Number R-S1 ir	pe er S1 I nterval [%] crement [ms] decrement [ms] y: ATP One Shot pe er S1 nterval [%]			
ATP tyl Numbe Add S1 R-S1 ir S1 dec Scan d VF therap ATP tyl Numbe R-S1 ir S1 dec	pe er S1 I nterval [%] crement [ms] decrement [ms] y: ATP One Shot pe er S1			8

00
OFF
ON
Standard



Patient:	Hlustik 520101, Petr	Follow-up on:
Device:	Rivacor 7 DR-T	01/04/2022
S/N:	84725913 (PID: 92)	07:59

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



Patient:	Hlustik 520101, Petr	Follow-up o	n:
Device:	Rivacor 7 DR-T	01/04/2022	<u>)</u>
S/N:	84725913 (PID: 92)	 07:59	
Paramet	ers - Tachycardia		
MorphMat	tch		
Zone		VT1	VT2
Morph	Match		,
Morphi	Match threshold		



Patient:	Hlustik 520101, Petr	Follow-up on:
Device:	Rivacor 7 DR-T	01/04/2022
	84725913 (PID: 92)	07:59

Parameters - Bradycardia	
Mode	DDDR
Basic rate	
Basic rate [bpm]	55
Rate hysteresis [bpm]	-5
Scan/Repetitive	ON
Night rate [bpm]	50
Night begins	22:00
Night ends	06:00
CLS [bpm]	OFF
Sensor/Rate fading	
Max. sensor rate [bpm]	110
Sensor gain	Medium
Sensor threshold	Medium
Rate fading	OFF
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]	130-133
Atrial upper rate [bpm]	200
Mode switching	
Intervention rate [bpm]	160
Mode	DDIR
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]	5
Rate stabilization during mode switching	OFF
Vp suppression	OFF
vp suppression	



	Hlustik 520101, Petr	Follow-up on:
		01/04/2022
S/N:	84725913 (PID: 92)	07:59

S/N: 84725913 (PID: 92)		07:59			
arameters	- Bradycardia				
	D. uu y cu. u.u				
/ delay					
AV delay a	ifter pace [ms]		220	160	
AV delay a	ifter sense [ms]		200	140	
at rate [bp	pm]		60	130	
Sense con	npensation [ms]			-20	
AV hystere	esis mode			IRSplus	
AV hystere	esis [ms]			400	
AV scan/re	epetitive				
AV dynam	ics			Individual	
st-shock pa	acing				
Duration				30 s	
Mode				DDI	
Basic rate	[bpm]			70	
AV delay [ms]			140	
			Α	V	
ılse amplitu	de [V]	\$	2.0	\$ 1.7	
ılse width [ms]		0.4	0.4	
apture cont	rol		Α	V	
Capture co	ontrol		ON	ON	
Threshold	test start [V]		3.5	3.5	
Min. ampli	tude [V]		1.0	1.0	
Safety ma	rgin [V]		1.0	1.0	
Status			OK	OK	
Last meas	ured threshold [V]		1.0	0.7	
Date			01/04/2022	01/04/2022	
Time			00:26	00:05	
Note RA					
Note RA Note RV					



Patient: Hlustik 520101, Petr	Follow-up on:
Device: Rivacor 7 DR-T	01/04/2022
S/N: 84725913 (PID: 92)	07:59

Parameters - Bradycardia		
Sensing	А	V
Sensing	Std.	Std.
Thresholds		
Upper threshold [%]		50
Upper threshold duration after sens. [ms]		350
Upper threshold duration after pacing [ms]		400
Lower threshold [%]		25
Post pace T-wave suppression		OFF
Blanking		
after atrial pace [ms]		50
	А	V
linimum threshold [mV]	0.4	0.8
Refractory period/Blanking		Ind.
PVARP [ms]		250
Wenckebach response of [bpm]		130-133
PVARP extension		ON
PVARP after PVC [ms]		400
Far-field protection after Vs [ms]		AUTO
Far-field protection after Vp [ms]		75
PMT detection/termination		ON
VA criterion [ms]		350



Datiant.	Illustile F20101 Date	F-11
Patient:	Hlustik 520101, Petr	Follow-up on:
Device:	Rivacor 7 DR-T	01/04/2022
S/N:	84725913 (PID: 92)	07:59
Paramet	ers - Home Monitoring	
General s	settings	
Home Moi	nitoring	OFF

Ongoing atrial episode	
QuickCheck	
Last message	
Message type	
Date	
Time	
PID	92



Time of transmission [hh:mm]

IEGM for therapy episodes

IEGM for monitoring episodes

Patient:	Hlustik 520101, Petr	Follow-up on:
Device:	Rivacor 7 DR-T	01/04/2022
S/N:	84725913 (PID: 92)	07:59

Parameters - Diagnostics	
Turameters Bragnostics	
Recording episodes	
For AT/AF	ON
For SVT	ON
For nsT	ON
Periodic recording [days]	90
Statistics	
Start resting period [hh:mm]	02:00
Resting period duration [h]	4.0
AV delay adj. sensing test [ms]	300
Thoracic impedance	OFF



Patient:	Hlustik 520101, Petr	Follow-up on:
Device:	Rivacor 7 DR-T	01/04/2022
S/N:	84725913 (PID: 92)	07:59

Parameters - Patient	
ID	520101/066
Name	Hlustik 520101
First name	Petr
Date of birth	01/01/1952
Gender	M
Implantation	22/09/2020
Hospital, City	FN Brno
Physician	M.D. Hetmer Martin
Phone	+420532232459
Symptom	Congestive heart failure
ECG indication	Not documented
Etiology	Dilative cardiomyopathy (non-ischemic)
LVEF [%]	30
NYHA	XXX
Remark	

Leads

Lead model	Serial number	Manufacturer	Туре	Implantation	Brady	Tachy
Solia S 53	7000027521	Biotronik	BIPL	22/09/2020	RA	
PlexaMRI SD 65/16	81319521	Biotronik	Quad	22/09/2020	RV	RV+SVC
				XX/XX/XXXX		
				XX/XX/XXXX		



Patient:	Hlustik 520101, Petr	F	Follow-up on:				
Device:	Rivacor 7 DR-T	C	01/04/2022				
S/N:	84725913 (PID: 92)	C	07:59				
Follow-u	p						
Tachycard	ia detection			Er	abled		
Patient							
Name			Hlustik	520101	, Petr		
Last follow	<i>ı-</i> up			16/04	/2021		
Implantati	on			22/09	/2020		
Device st	atus						
Mode					DDDR		
Basic rate,	/UTR [bpm]			55	/ 130		
			Α		V		
Pulse amp		*	2.0		1.7		
Pulse widt	h [ms]		0.4		0.4		
VT1/VT2/\			171 / OFF / 214				
Last charg				8.9 s			
Battery vo					3.11		
	battery capacity [%]				100		
Battery sta	atus				BOS		
Program n					3		
Home Mor	nitoring				OFF		
MRI progr	am				OFF		
Test resu	Its		Α		V		
	mplitude [mV]	<u> </u>	3.4	ф	17.6		
Mean rate							
Pacing thr	eshold [V]	ţ	1.0	ф	0.7		
Pulse widt			0.4		0.4		
Pacing imp	pedance [Ω]	Żi	675	¢	441		
Shock imp	edance $[\Omega]$			ф	49		
Diagnost							
Pacing in A/V [%]					24 / 7		
Atrial burd	len [%]				0.0		



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Episodes

New episodes VF/VT/others