

Supplementary material

Sterliński M, Świerżyńska-Wodarska E, Zakrzewska-Koperska J, et al. First experience in simultaneous use of the extravascular implantable cardioverter-defibrillator and the leadless atrioventricular pacemaker. Pol Heart J. 2024.

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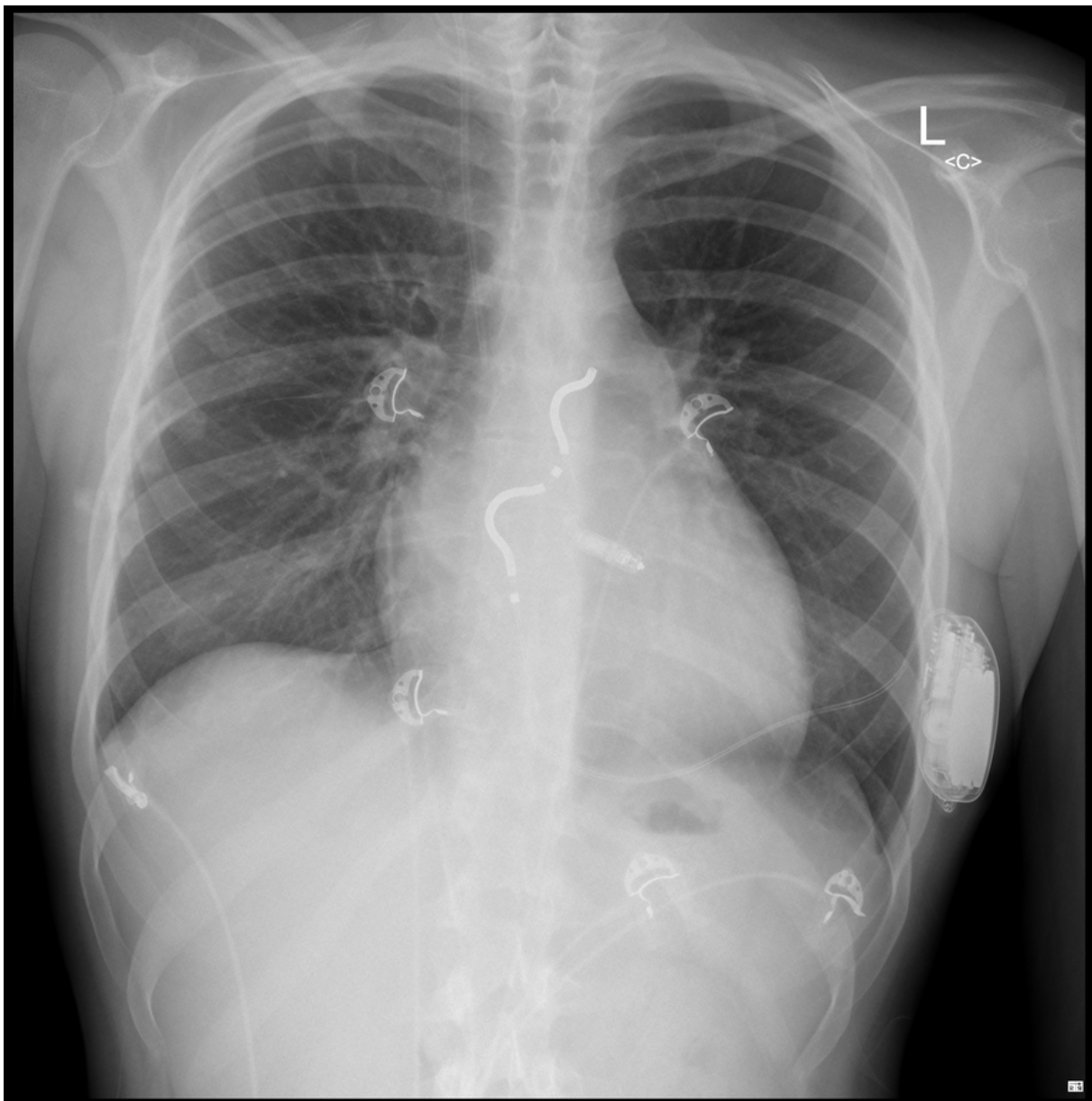


Figure S1. Chest X-ray, posteroanterior view. Examination confirmed the proper location of the Micra AV leadless pacemaker and the extravascular ICD Aurora

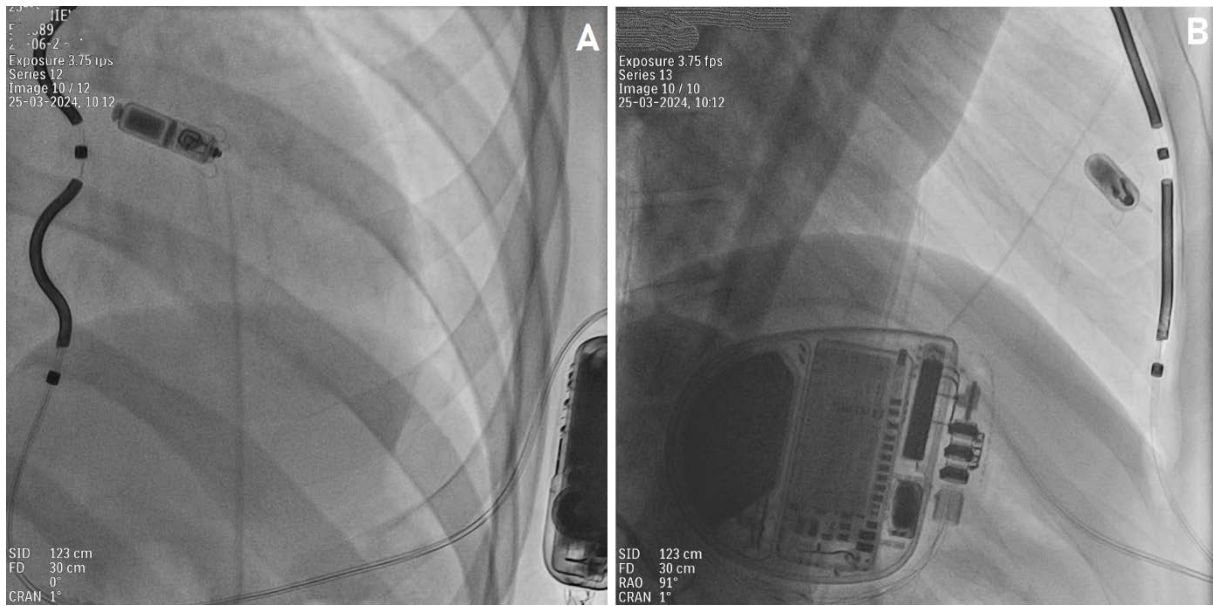


Figure S2. X-ray in an anteroposterior view (A) and a lateral view (B) recorded from C-Arm fluoroscopy during the implantation of the extravascular Aurora ICD

Parameters A						Parameters B			
Device: Aurora EV-ICD DVEA3E4						Device: Micra AV MC1AVR1			
Patient:						Serial Number:			
Patient:						ID:			
Pacing Summary						Pacing Summary			
Mode						Mode			
Mode: OVO						Mode: VDD			
Pacing Details						Pacing Details			
Setting	Mode	Post Shock	Pause Prevention			RV	Lower	60 bpm	
Interval		Off	Monitor	5 sec		Amplitude	Upper Track	105 bpm	
Sensing						Sensing			
Sensitivity			0.150 mV	Additional Features		MRI SureScan	Off		
Sense Polarity			Ring 1 to Ring 2			Pulse Width			
Blank after Sense			140 ms			Sensitivity			
Sensing Threshold Decay Delay			360 ms			Capture Management			
Sensing Threshold Drop Time			1500 ms			Amplitude Safety Margin			
Oversensing Prevention			Medium - 3			Acute Phase Remaining			
Device Information						Device Information			
Device	Medtronic	Aurora EV-ICD DVEA3E4	Implanted: 25-Mar-2024			Acute Phase Completed			
Device Configuration ID:	3-1-0								
VT/VF Detection						VT/VF Detection			
	V	Interval (Rate)	Initial	Redetect					
VF	On	280 ms (214 bpm)	30/40	12/16					
FVT	OFF								
VT	On	310 ms (194 bpm)	40	12					
Monitor	Monitor	360 ms (167 bpm)	48						
Wavelet						Wavelet			
Wavelet	On	Stability	Off	RV	0.150 mV				
Template	21-Apr-2024	Onset	Off						
Match Threshold	61 %	High Rate Timeout	Off						
Auto Collection	On	VF Zone Only	0.75 min						
Rapid AF	On	All Zones	Off						
Feature Match	On	TWave	On						
S/VT V. Limit	280 ms	Noise	On						
VF Count Reset	On	Sensed Noise	On						
Other Enhancements						Other Enhancements			
Shared Noise Timeout 3.00 min						Shared Noise Timeout 3.00 min			
VF Therapies						VF Therapies			
VF Therapy Status	On	On	On	On	On				
Energy	40 J	40 J	40 J	40 J	40 J				
Pathway	REV	REV	REV	REV	REV				
FVT Therapies						FVT Therapies			
FVT Therapy Status	Off	Off	Off	Off	Off				
VT Therapies						VT Therapies			
VT Therapy Status	On	On	On	On	On				
Therapy Type	CV	CV	CV	CV	CV				
Energy	40 J	40 J	40 J	40 J	40 J				
Pathway	REV	REV	REV	REV	REV				
Initial # Pulses						Initial # Pulses			
R-S1 Interval=(%RR)									
Interval Dec									
# Sequences									
Smart Mode									
Shared V. ATP						Shared V. ATP			
V-V Minimum ATP Interval	200 ms								
V. Amplitude	10 V								
V. Pulse Width	2 ms								
V. Pace Blanking	250 ms								
ATP Polarity	Coil 2 to Coil 1								

Figure S3. Parameters of the Aurora extravascular ICD (A) and Micra AV (B) chosen during the in-clinic follow-up

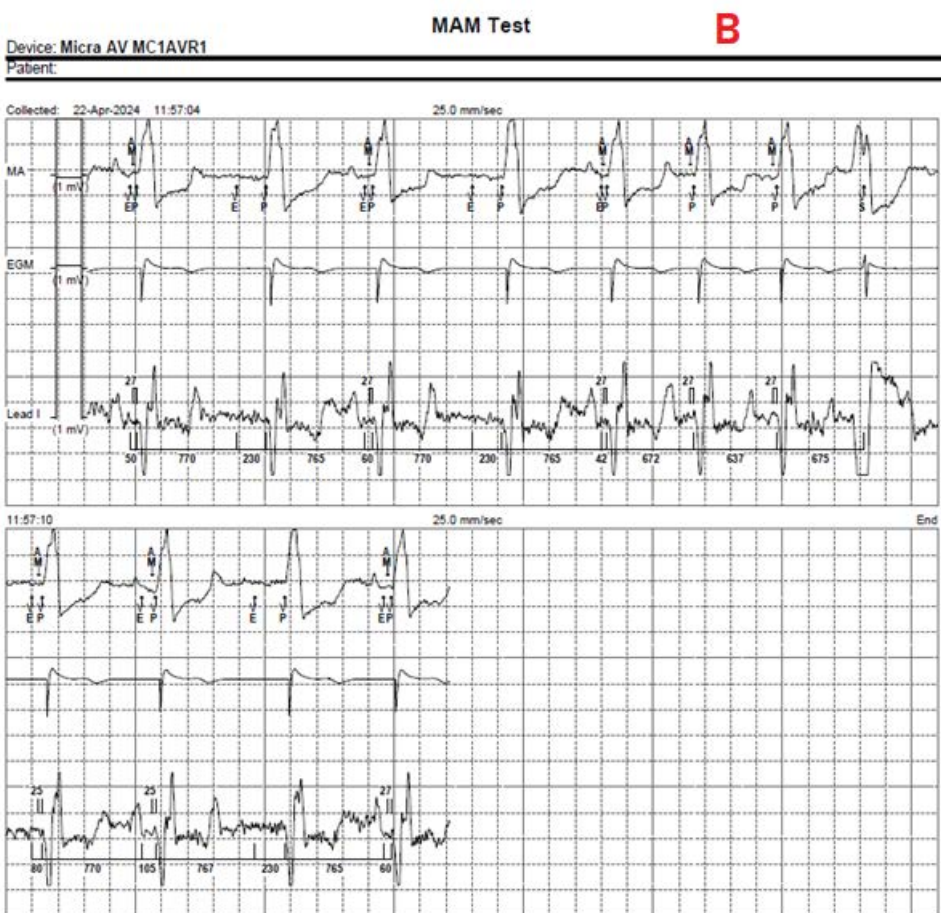
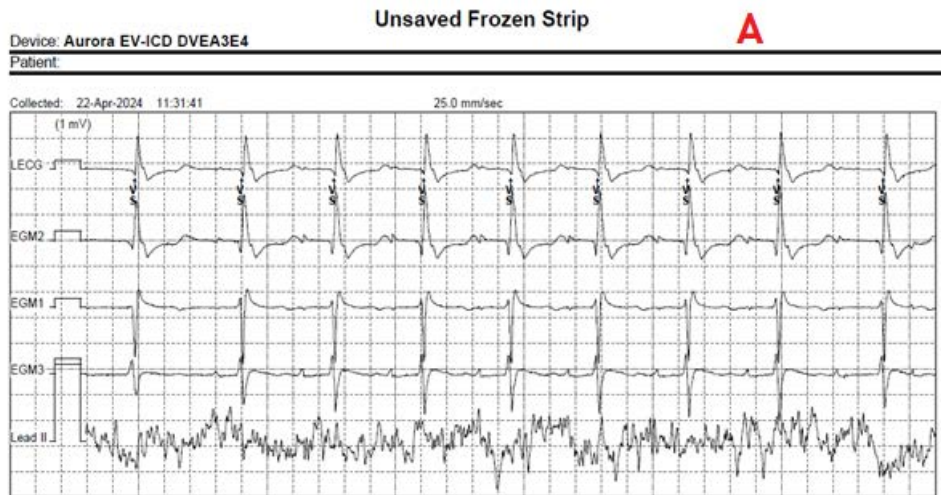


Figure S4. A. Leadless ECG and electrogram strip from the Aurora extravascular ICD collected during the in-clinic follow-up confirmed proper sensitivity and absence of interferences between the devices. **B.** The strip collected during the Manual Atrial Mechanical (MAM) Test shows satisfactory atrial contraction sensing and confirms the absence of interference between the devices