

FIRST IN HUMAN ISCHEMIC VT ABLATION SUCCESSFULLY PERFORMED IN iCMR

Highlights

- **Amsterdam University Medical Centre (Amsterdam UMC) successfully performed the world's first ischemic ventricular tachycardia (VT) ablation guided entirely by real-time MRI using Imricor's suite of products**
- **First-in-human MRI-guided transeptal crossing performed using Imricor's NavTrac-MR[®] Transeptal Kit and Needle**
- **First left ventricular mapping and ablation performed with Imricor's Vision-MR[®] Ablation Catheter 2.0**
- **First substrate (scar)-guided ablation performed under real-time MRI guidance**
- **First ablation performed under real-time MRI guidance in a patient with an implantable cardioverter defibrillator (ICD)**
- **Upon completion, the patient was non-inducible for VT, signifying acute success for the procedure**

4 November 2025 – Melbourne, Australia (**3 November 2025** – Minneapolis, MN United States) – **Imricor Medical Systems, Inc. (Company or Imricor) (ASX: IMR)**, together with Amsterdam University Medical Centre (Amsterdam UMC), is pleased to announce the successful completion of the first ischemic ventricular tachycardia (VT) ablation ever performed under real-time MRI guidance in an iCMR lab.

The Amsterdam UMC team, shown here, performed the VT ablation procedure following previous experiences performing atrial flutter and premature ventricular complex (PVC) ablation procedures guided by real-time MRI and Imricor's NorthStar[®] Mapping System.



Dr. Michiel Kemme (right foreground) performed the VT ablation.

Regarding the procedure, Dr. Kemme, stated: "This procedure is part of an international research programme. The MRI imaging shows us precisely where the myocardial infarction took place; therefore, we can send the catheter to the exact spot. This information has the potential to make ablation more effective."

Background

Ischemic VT is one of the most challenging and life-threatening arrhythmias. Conventional VT ablations can routinely take more than 8 hours and deliver success rates as low as 40 percent. Until now, Imricor technology has been used for atrial flutter and PVC ablations. These earlier

procedures have been essential stepping stones towards fulfilling the 20-year vision of performing the most complex of ablations under the full power of real-time MRI guidance.

The procedure, successfully performed by the outstanding team at Amsterdam UMC, involved several world firsts. Crossing the septum, from the right side of the heart to the left had never been performed in a human under MRI guidance. This is a critical step in moving towards complex ablations for atrial fibrillation (AF) and VT, which together make up over 80% of ablations performed.

Dr Kemme further noted: “Thanks to the interventional MRI, we can see exactly in 3D where the sheath and ablation catheter are. This allowed us to move from the right atrium to the left atrium through the septum. It gives us much more information than the usual method.”

In another world first, ablation lesions were delivered from within the ventricle under real-time MRI guidance. In addition, many VT patients live with an Implanted Cardioverter Defibrillator (ICD), implanted to protect the patient from sudden cardiac death. This procedure was the first to demonstrate the ability to safely and effectively treat high risk patients in the iCMR lab, even with an ICD onboard. This has been one of the remaining questions from the field, which has been answered via this procedure.

Impact

This milestone marks a critical step forward for Imricor’s VISABL-VT clinical trial, and a watershed moment for the field of MRI-guided electrophysiology. The achievement reflects the culmination of years of collaborative innovation, combining Imricor’s advanced device portfolio with the world-class clinical expertise of the team at Amsterdam University Medical Centre. The successful procedure paves the way for broader clinical use of MRI-guided ablations, with additional sites in Europe expected to join the VISABL-VT trial over the coming months.



Prof Cornelis Allaart at the NorthStar® console while Dr Michiel Kemme performs the VT ablation.

The ability to perform complex ablations, like VT, under real-time MRI guidance has been the most requested advancement from the global EP community. With a growing pipeline of customers progressing towards performing atrial flutter ablations, Imricor expects the news of the world’s first Ischemic VT ablation performed in an iCMR lab to drive significant growth in demand and shorten conversion timelines across its customer base.



Imricor's Chair and CEO, Steve Wedan, commented: "This is a defining moment for Imricor and for the field of electrophysiology. Performing the world's first ischemic VT ablation entirely inside the MRI validates our core vision, that real-time MR guidance can unlock safer, more effective, and more personalized treatments for patients with complex arrhythmias.

"The world-class team at the Amsterdam University Medical Centre has made a tremendous leap forward for the world, and I congratulate and thank them for this historic achievement. Together, we are paving the way for a future where MRI-guided procedures become the global standard of care.

"I also want to congratulate the extraordinary team at Imricor who accomplished something no one else has ever been able to do, by delivering all the devices, systems, partnerships, collaborations, regulatory processes, and clinical development that make this all possible.

"This milestone settles the science and opens the future. The ability to perform complex ablations entirely inside the MRI is no longer theoretical. It's real, and it's just the beginning of a worldwide transformation in how electrophysiology, and other interventions, are performed."

ENDS

Authorised for release by Steve Wedan, Executive Chair, President, and CEO.

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About Imricor

Imricor Medical Systems, Inc. (ASX:IMR) is striving to make interventional medical procedures better, safer, and more cost effective by making it possible for these procedures to be performed under real-time magnetic resonance imaging (MRI) guidance, rather than under x-ray fluoroscopy guidance, thus taking advantage of MRI's superior imaging capabilities.

Imricor's Products

Imricor is a pioneer and world leader in developing MRI-compatible products for cardiac catheter ablation procedures. The Company's products include capital equipment, such as the NorthStar® Mapping System and the Advantage-MR® EP Recorder/Stimulator. Single-use devices include a variety of ablation catheters, diagnostic catheters, steerable sheaths, and other tools used for cardiac ablations.

Imricor's products are approved in the European Union, the Kingdom of Saudi Arabia, and New Zealand. US FDA approval is in process, and further approvals in other geographies such as Australia are being planned.

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