

HEALTHY HEART

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Price : ₹ 5/-



Renal Denervation Therapy

Leading India's Next Era of Hypertension Care



When Medicines Were No Longer Enough: A Turning Point in Resistant Hypertension



Marengo CIMS Hospital has marked a key clinical milestone with the completion of six Renal Denervation procedures. These procedures were performed by a highly experienced team of senior interventional cardiologists, including Dr. Keyur Parikh, Senior Interventional Cardiologist, Dr. Vipul Kapoor, Senior Interventional Cardiologist; and Dr. Tejas V. Patel, Senior Interventional Cardiologist. Their collective expertise and procedural precision position Marengo CIMS Hospital among the top hospitals in India offering Renal Denervation therapy.

For 57-year-old Mr. P. P., life had slowly begun to revolve around blood pressure readings. Despite being on seven antihypertensive medications, his systolic blood pressure continued to cross 200 mmHg, placing him at constant risk. With a background of coronary artery disease, diabetes, double vessel disease, and a previous coronary stent in the left circumflex artery (2014), his condition demanded more than conventional treatment.

On 27 January 2026, a decisive step was taken—Renal Denervation (RDN)—under the care of Dr. Keyur Parikh, supported by Dr. Tejas V. Patel and Dr. Vipul Kapoor, with anaesthetic standby by Dr. Hiren Dholakia. Pre-procedure evaluation showed stable vitals, preserved renal function (eGFR 78.99 ml/min/1.73 m²), and no secondary causes of hypertension or accessory renal arteries.

Using a right femoral artery approach, a meticulous and carefully planned bilateral renal denervation was performed. The Simplicity Spyral™ catheter with the Next-generation AI-enabled Simplicity G3 generator delivered precisely controlled radiofrequency energy, safely targeting the overactive renal nerves while continuously monitoring temperature and impedance.

Over nearly three hours, the team carried out a complex bilateral procedure, ablating the main renal arteries and multiple branches on both sides.



- 23 ablations were completed in the right renal system
- 13 ablations in the left
- 36 successful ablations in total, each lasting 45–60 seconds

The procedure was performed under deep sedation, with constant vigilance for patient safety, vessel integrity, and procedural precision.

By the end of the procedure, the overactive sympathetic signals between the kidneys and the brain—fueling his resistant hypertension—had been effectively disrupted. What medicines alone could not achieve, advanced renal denervation technology and expertise made possible.

This case stands as a reminder that when hypertension refuses to yield, innovation, experience, and timely intervention can restore hope—and control.

When risk factors make blood pressure difficult to control Advanced solutions RDN helps to restore control

Hypertension continues to be one of the most pressing cardiovascular challenges in India, with nearly 188 million people affected and a significant proportion living with uncontrolled or resistant blood pressure despite medication and lifestyle interventions. As global evidence increasingly supports advanced interventional solutions, Renal Denervation has emerged as a proven therapy for patients who do not achieve adequate blood pressure control with conventional treatment alone. In this evolving landscape, Marengo CIMS Hospital has established itself as a leading centre for this advanced intervention.

Renal Denervation works by targeting overactive renal sympathetic nerves that play a critical role in persistent high blood pressure. Clinical evidence demonstrates that the therapy provides sustained blood pressure reduction, supports long term control, and helps reduce dependence on multiple antihypertensive medications. By improving blood pressure stability, Renal Denervation also contributes to lowering the risk of serious complications such as heart failure, stroke, kidney damage, and hypertensive crises.

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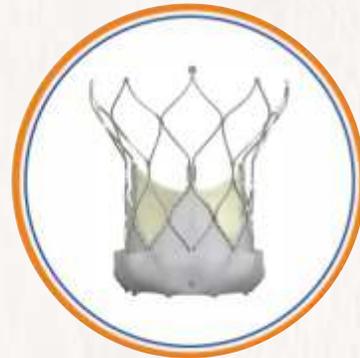
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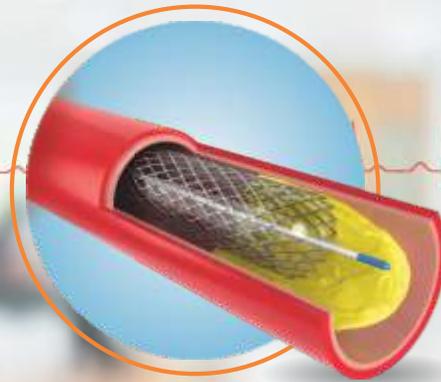
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