

Medtronic launches the VENASEAL closure system in India

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Newly approved minimally invasive therapy treats diseased veins using proprietary medical adhesive



India Medtronic Private Limited, wholly owned subsidiary of Medtronic plc has announced the launch of the VenaSeal™ Closure System, which is a minimally invasive procedure that uses a proprietary medical adhesive to close the diseased vein in patients with chronic venous disease (CVD) – a condition affecting more than 190 million people globally.

Healthy leg veins have valves that keep blood flowing to the heart. Venous reflux disease, also known as CVD, develops when the valves stop working properly and allow blood to flow backward (i.e., reflux) and pool in the lower leg veins. If CVD is left untreated, symptoms can worsen over time.

“Medtronic is committed to developing smart product and procedural solutions in the area of minimally invasive innovation to improve the quality of life for all patients,” said Madan Krishnan, vice president and managing director, India Medtronic Pvt Ltd. “VenaSeal is an innovative approach to vein closure and is designed to minimize patient discomfort and reduce recovery time. Thousands of patients around the world have benefited from this therapy and we are pleased to now offer this advanced technology in India.”

VenaSeal uses a medical adhesive to close the diseased vein, with high closure rates across three clinical trials. Using ultrasound, the physician guides a catheter through a small access site in the leg and into the diseased area of the vein. Once in place, the physician administers the VenaSeal adhesive at various points in a segmental fashion, and with manual compression, closes the vein. Blood is re-routed through other healthy veins in the leg.

This unique approach eliminates the risk of burning or nerve injury that is sometimes associated with thermal-based procedures. The procedure is administered without the use of tumescent anesthesia (multiple injections of a dilute local anesthetic), minimizing the need for multiple needle sticks. In the VeClose trial, patients reported minimal to no pain or bruising, post procedure.