

Govt backs India's first indigenous thrombectomy device by S3V Vascular Technologies

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TDB-DST funds India's first neuro-intervention integrated manufacturing plant for stroke treatment



In a significant boost to India's medtech innovation landscape, the Technology Development Board (TDB), Department of Science and Technology (DST), has extended financial support to S3V Vascular Technologies Limited, Mysuru, for their project titled "Integrated Manufacturing of Mechanical Thrombectomy Kit for Treatment of Acute Ischemic Stroke." The board has sanctioned assistance to this pioneering initiative aimed at transforming stroke treatment through indigenous innovation.

The project envisions the establishment of a state-of-the-art upstream integrated manufacturing facility at the Medical Devices Park, Oragadam, Sriperumbudur (Chennai), to develop and manufacture advanced mechanical thrombectomy kits—a life-saving intervention for patients suffering from acute ischemic stroke due to large vessel occlusion.

Compared to conventional thrombolysis, thrombectomy offers significantly improved outcomes, reducing the risk of long-term paralysis and disability. Thus making a difference between "PARALYSIS and RECOVERY"

S3V Vascular Technologies is set to become the first Indian company to indigenously design and manufacture the complete suite of neuro-intervention devices, including microcatheters, aspiration catheters, guidewires, and stent retriever systems in an upstream integrated facility. The company also intends to file patents for critical innovations such as the clot retriever head design, braid-over-coil aspiration catheter structures, and several advanced process technologies.

Dr. N.G. Vijaya Gopal, Managing Director of M/s S3V Vascular Technologies said, "Our integrated manufacturing facility will not only reduce dependency on imports of the finished medical devices used in Mechanical Thrombectomy but also reduces India's dependency on import of the raw materials used in manufacturing of these critical complex lifesaving medical devices. We have initiated the CE and USFDA approval process for these devices to expand our access to cutting-edge stroke care solutions across India, Asia, Latin America, Europe and USA."