

Israel's Rapid Medical gains approval in China for world's only adjustable thrombectomy device

04 September 2023 | News

TIGERTRIEVER is designed to accelerate clot integration and reduce vessel damage in ischemic stroke

Israel-based Rapid Medical, a leading developer of advanced neurovascular devices, has announced Chinese approval for its TIGERTRIEVER revascularisation device. With this milestone of National Medical Product Administration (NMPA) approval, TIGERTRIEVER becomes the first device to offer patient-specific solutions for removing blood clots from the brain to advance the treatment of ischemic stroke.

TIGERTRIEVER technology, fueled by advancements in aerospace engineering, enables precise control during mechanical thrombectomy. Its unique operation changes these procedures from a passive to an active approach that accelerates clot capture and potentially reduces the risk of vascular injury during removal. Comparable, leading stent retrievers are self-expanding and static, which can lead to suboptimal clot removal and minimal vessel protection.

Published clinical studies demonstrate superiority to conventional stent retrievers. The results of the TIGER multicenter trial presented 3 statistically significant improvements— in restoring blood flow to the brain, good clinical outcomes, and reducing emboli to new territory—compared to an average from six pivotal stent retriever trials. Additionally, the TIGER trial showed fast procedure times, on par with aspiration alone, driven by a very high rate of first-pass success.

Rapid Medical holds an exclusive distribution agreement with MicroPort NeuroTech, a subsidiary of MicroPort Scientific Corporation headquartered in China.