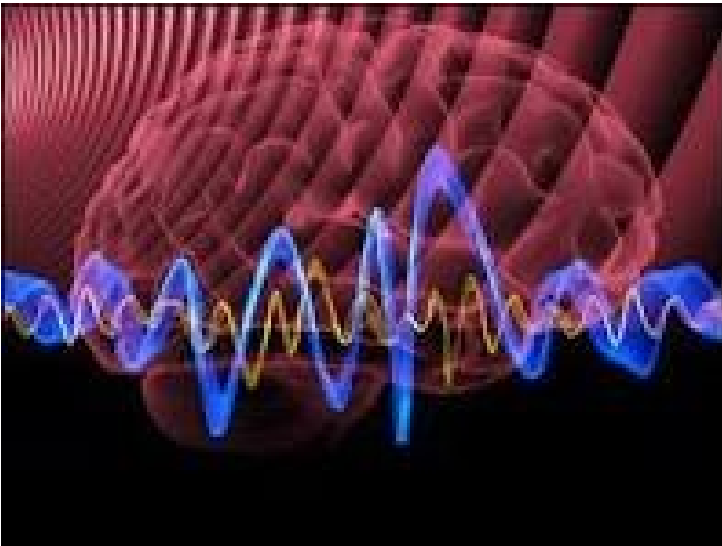


## Medtronic's stent can improve neurological outcome

30 April 2015 | News | By BioSpectrum Bureau

### Medtronic's stent can improve neurological outcome



In the "New England Journal of Medicine" (NEJM) published online and in the European Stroke Organization meeting reported on the two global trials show that in the existing drug treatment Canada with Solitaire instrument stand except thrombectomy, can significantly reduce stroke disability. These tests confirmed the same NEJM published in three previous trials of results.

Both trials SOLITAIRE™ FR With the Intention For Thrombectomy as Primary Endovascular Treatment for Acute Ischemic Stroke (except thrombectomy as the acute ischemic stroke major vascular treatments SOLITAIRE™ FR, referred to as the "SWIFT PRIME") and Endovascular Revascularization Solitaire with Versus Best Medical Device Therapy in Anterior Circulation Stroke Within 8 Hours (anterior horn loop stroke within 8 hours using Solitaire equipment for intravascular revascularization vs best medical treatment, referred to as "REVASCAT"), to assess acute ischemia stroke (AIS) patients in the conventional medical treatment (including when using the IV-tPA patients qualify) the addition of Solitaire equipment, which is lighter than stroke-related disability in patients with IV-tPA alone or medical therapy. SWIFT PRIME by the Medtronic (Medtronic plc, NYSE: MDT) sponsorship, while REVASCAT was supported by Medtronic provides a non-limiting funding.

SWIFT PRIME assessment of 196 patients showed that the addition of Solitaire instruments significantly reduce disability after stroke, increasing stroke within 90 days after the functional independence of the number of cases. The trial showed that patients with Solitaire plus instrument, its functional independence recovery rate was significantly higher than that with IV-tPA (60.2% vs. 35.5%,  $p = 0.0002$ ).

University of California Los Angeles (UCLA) Geffen School of Medicine professor of neurology, director of the UCLA Stroke Center Comprehensive Jeffrey L. Saver, MD, FAHA, FAAN, FANA said: "SWIFT PRIME display, Solitaire device therapy is safe, technically successful It can significantly reduce long-term disability. The therapy marks the beginning of a new era in the treatment of stroke. "

Similarly, REVASCAT (206 patients) showed that the onset of symptoms within eight hours, in medical treatment (including

the use of IV-tPA in eligible patients, 70% of enrolled subjects) added with Solitaire treatment equipment Patients recover its functional independence higher than medical therapy alone (43.7% vs. 28.2%), the difference was statistically significant.

SWIFT PRIME and REVASCAT also confirmed that the same three global test published in the NEJM results: Extending the Time for Thrombolysis in Emergency Neurological Deficits - Intra-Arterial (extended thrombolysis for emergency neurological disorder - time intra-arterial, hereinafter referred to as "EXTEND-IA"), Endovascular Treatment for Small Core and Proximal Occlusion Ischemic Stroke (endovascular treatment for small core and proximal obstructive ischemic stroke, hereinafter referred to as "ESCAPE") and Multi center Randomized Clinical trial of Endovascular treatment for Acute ischemic Stroke in the Netherlands (endovascular treatment for acute ischemic stroke - Dutch multicenter randomized clinical trial, hereinafter referred to as "MR CLEAN"). These tests have shown that the time delay before treatment can significantly affect the outcome. Compared with the previous test, SWIFT PRIME workflow (from diagnosis to treatment of the entire treatment period) were significantly improved. The trial in seven countries, 39 centers, show a different health care system in a wide range of applicability, as well as fast, efficient stand except thrombectomy of treatment can reach.

REVASCAT comprehensive stroke centers in four Spanish region of Catalonia carried out, this four centers cover 7.5 million people. From the general population, the group of patients in line with the program, 85% enrolled in this trial. REVASCAT trials, the eligibility criteria broad and achieve a high number of the group, therefore, a positive outcome Solitaire instrument for most stroke patients in Catalonia is universal.

Antoni Davalos Germans Trias i Pujol University Hospital, director of the Department of Neuroscience, MD said: "We now have five of the global clinical trials to provide overwhelming evidence base to support the Solitaire stent except thrombectomy based on these results, the stroke community converged. re-evaluate the timing of stroke treatment guidelines together, exploring the new system is up, which will promote specialized centers to treat patients for accessibility. "

Solitaire instrument uses an extremely small size of the catheter is inserted through the leg incision stroke involving brain artery. Once placed in place, Solitaire instruments can help immediately to restore blood flow, eliminate blood clots causing stroke.

Medtronic rehabilitation Brett Wall neurovascular president of Division Ministry, said: "These results are the global stroke care community gathered together, rethink our offer stroke treatment methods .Solitaire instrument stand except thrombectomy has been verified to improve the procedure For patients of access, we are committed to overcome the stroke of important goals of all parties. We support the revised guidelines, a move that will benefit the patient and the health care system and the wider society. "