Neurovascular Selected Graphics

Medtronic

2020 Institutional Investor & Analyst Day

October 14, 2020



INVESTOR DAY 2020

Stacey Pugh

Senior Vice President & President, Neurovascular





\$3.5 Billion Market

with **Double Digit**

Growth for

6 Years



Systems of Care are **Evolving**



Transforming **Stroke Care**



Comprehensive Stroke Portfolio

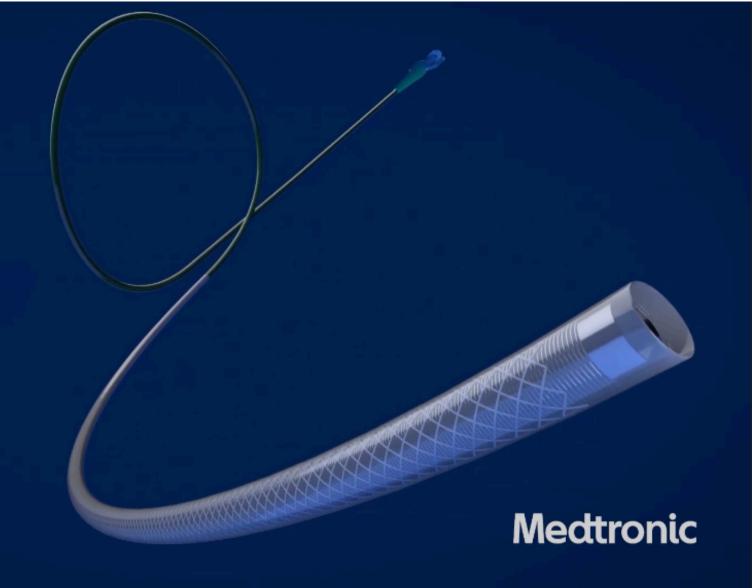


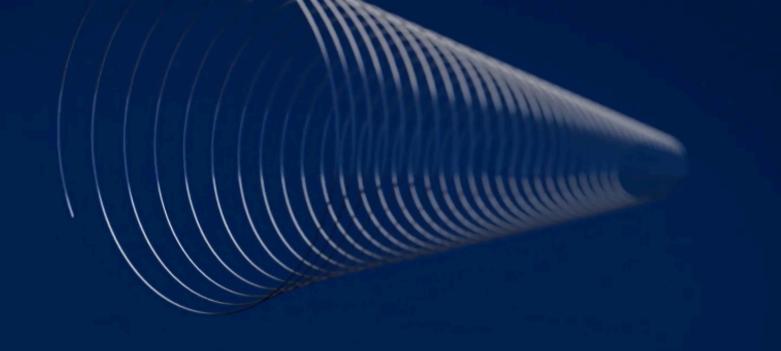




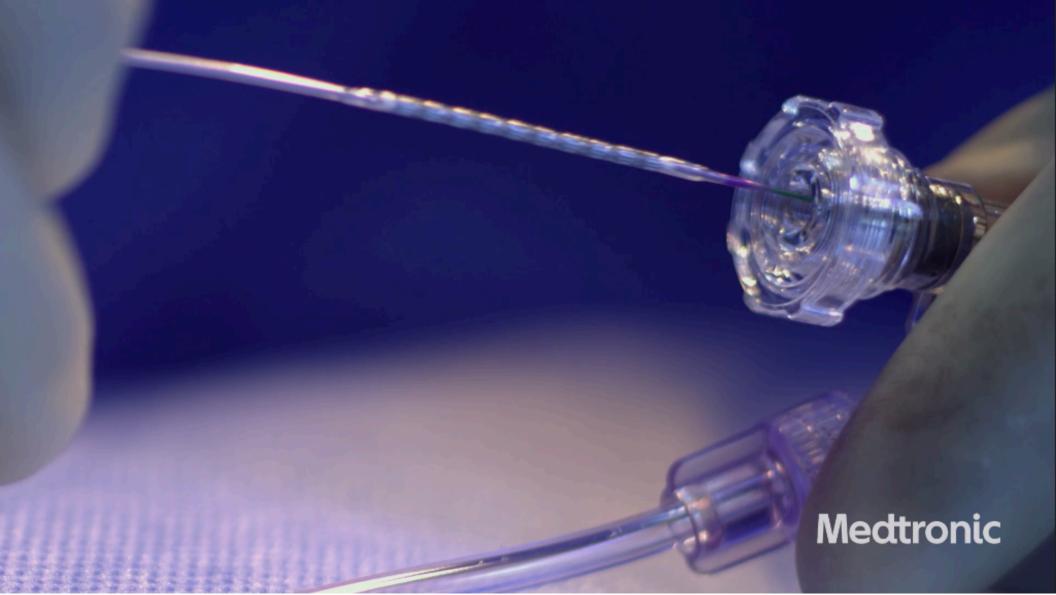


REACT™ CATHETER





NAVIGABILITY OF A COIL.







Growth Areas



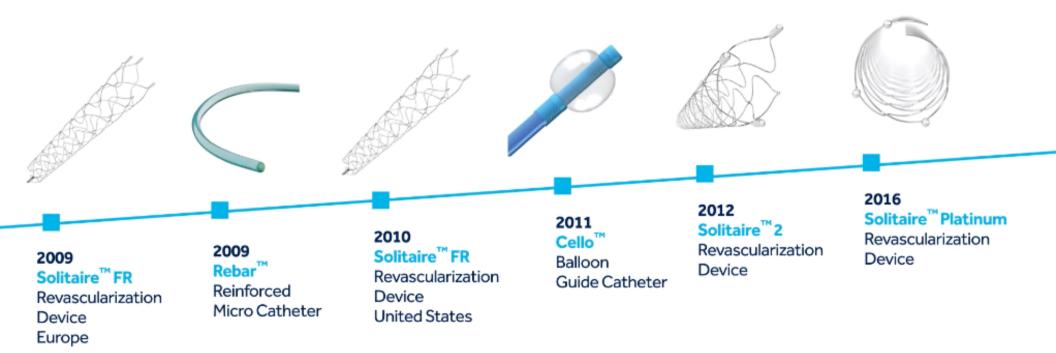






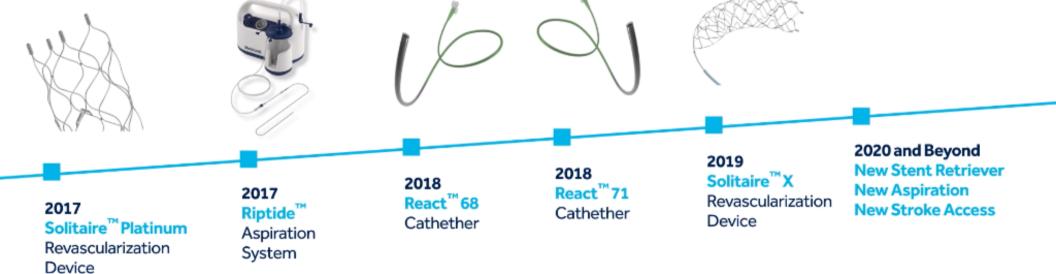


Continuous Innovation



Continuous Innovation

6x40





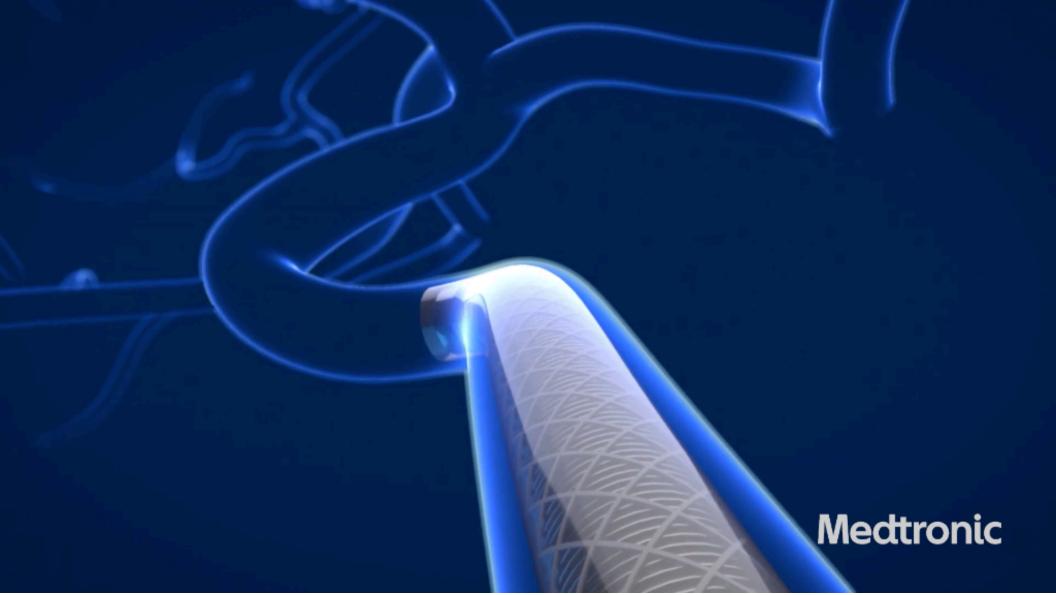
$2020\,\&\,Beyond$

Positioned for the **Future**



2020&Beyond

New **Stent Retriever**New **Aspiration**New **Stroke Access**













Synchronized Stroke Care

Referral Center Interventional Center















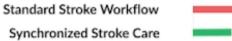


Patient

Arrival

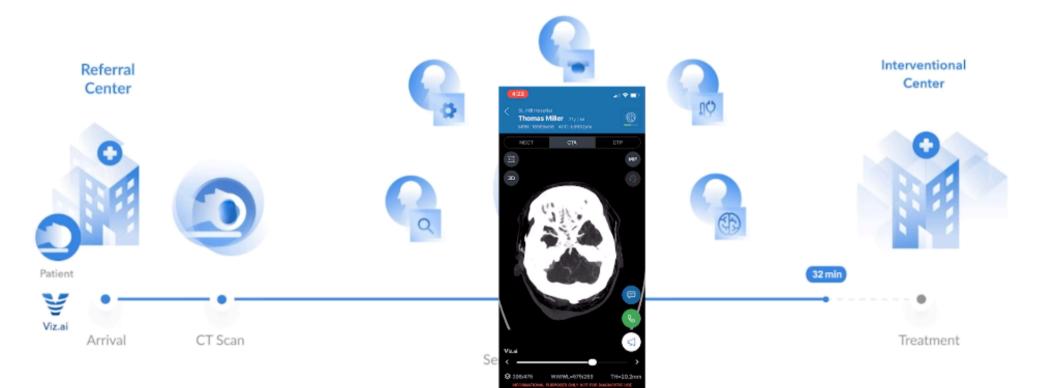
CT Scan

Technologist Post-Processing Radiology Prelim Read ED Clinical Examination Neurology Referral Interventionalist Referral Treatment











Using **Technology** to **Transform**

Stroke Care







Working Across
Medtronic to
Improve Access

Commercial
Government Affairs
Reimbursement





Thrombectomy for Stroke in the Public Health Care System of Brazil

Shalla O. Martins, M.D., 19.D., Francisco Mont/Morres, M.D., Fr.D., Lestou C. Rebello, M.D., Daniel G. Maud, M.D., Ph.D., Clerke S. Silva, M.D., Ph.D., Febrido O. Linca, M.D., Ph.D., Bruso S.M., Parviso, M.D., Caliberrie S. Makel, M.D., Ph.D., Wirks R. Taris, M.D., Michael E. Fradis, M.D., Ph.D., 1980 J.J. de Carrollos, M.D., Ericado Wellech, M.D. Ph.D., et al., for the RESILIENT Investigators"

Abstract

BACKS SHAMP. Randomized trials involving patients with stroke layer established that outcomes are improved with the use of thombectomy for large vessel occlusion. These totals were performed in highresonate countries and have had limited effects on medical practice in low- and middle-income

 $\textbf{we need the safety and officery of the onlectorary in the public health system of limit. In \\$ 12 public haspitals, putients with a proximal natureranial ordination in the america circulation that could be traced within 8 hours after the pract of stocke symptoms were sandomly assigned in a 10 series to sective standard care plus mechanical thrombectomy (thrombectomy group) or standard care sione (control group). The primary outcome was the score on the modified Ramon scale (range, 0 \pm 0. symptoms] to 6 [death]) at 90 days.

REMAYS - A total of 300 patients were corolled, including 79 who had undergone thrombertomy during on open-label reli-in period. Approximately 70% in the two groups received immensus alreplane. The trial was stopped early because of efficacy when 210 of a planned 690 parients had undergone number minution (121 to the theomisectomy group and 110 to the control group). The contents odds ratio for a better distribution of source on the modified Rankin scale at 90 days was $2.28~\mathrm{pp} c_0$ confidence interval [CII], $0.40 \approx 3.69$; 0.000), favoring thrombectours. The percentage of patients with a score on the modified Rankin scale of 0 to 2, signifying an absence of or minor neurologic deficit, was 25.1% in the thrombectnery group and 20.0% in the control group (difference, 75.5 percentage points) 55% GI, 2.6 to 276) . Asymptomizic intractional beautifulgy occurred in St $A^{\rm th}$ of the patients in the the ombectomy group and 24.5% of these in the control group, symptomatic in transmist bemovings occurred in 4.5% of the patients in each group.

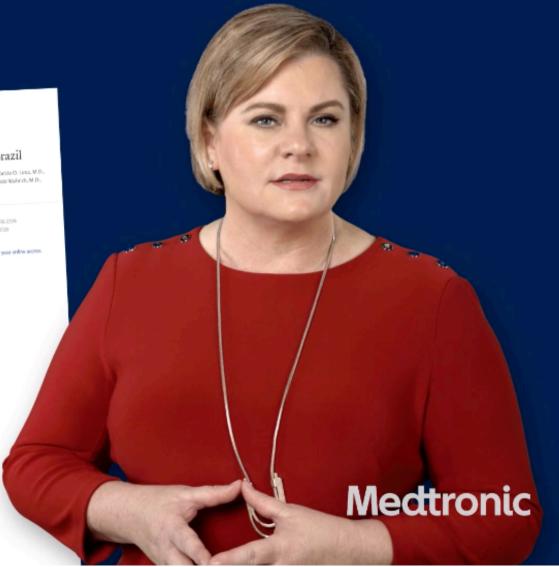
 $\textbf{wateriors} \quad \text{We studied the safety and efficient of the nubectorsy in the public health system of Brazil. In \\$ 12 public hampitale, putients with a puminal intractual orchains in the assertion circulation that could be would within 8 hours ofter the eract of stroke symptoms were randomly assigned in a 1st ratio to receive standard care plus mechanical thromberousy (thromberousy group) or standard care slow: (control group). The primary outcome was the accor on the modified Rankin scale (range, 0 [no symptoms] to 0 [death]) at 90 days.

 $\textbf{meas} 1.5 \quad \textbf{A total of 500 particuts were carefuled, including 79 who had undergone thoughest vary during}$ an open-label coll-in period. Approximately 70% in the two groups provined lattureness alteglass. The trial was stropped early because of efficacy when 221 of a planned 600 patients had undergoine homes group and 130 to the control group). The common odds ratio

N Engl J Med 2020; 382:2316-2536 DOI: 10.1016/NEJMox2900128

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President of Brazillian Stroke Network, Vice-President of World Stroke Organization (WSO). President Ibero-American Stroke Organization

Driving **Growth** & Building Systems of **Care**



That's the **Power** of











Multiple Capabilities
Innovation Expertise
Field Resources in
Remote Markets



Take the Field Forward

