



Start every acute ischemic stroke procedure with the combined power of reliable, compatible tools at your fingertips. 1-3,5-8

When you have that power, you can combat procedural variability and feel more confident to deliver positive outcomes. †,4,9,10



Reliability & trackability. Combined.

Aim to make the first pass at clot removal the only pass.

Choose combination therapy to combat procedural variability.^{†,9,10}

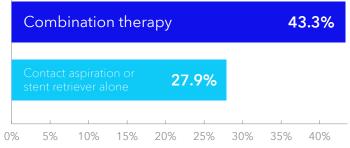
Why combination therapy?

Achieve a higher rate of first pass success^{‡,11,12}

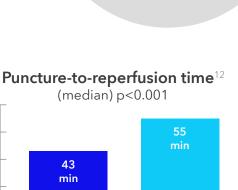
Combination therapy has been shown to significantly achieve[‡]:

- Higher successful recanalization rates at first pass and at the end of the procedure
- Shorter puncture-to-reperfusion time
- Fewer number of passes

First Pass Effect (FPE)¹² (mTICI 2c-3) p<0.001



Achieve a higher rate of first pass success^{‡,11,12}



55 min 40 - 43 min 20 - 10 - Combination therapy Contact aspiration or

Did you know?

A multicenter analysis of nearly 3,000 patients found switching to combination therapy after a failed first aspiration pass resulted in higher reperfusion rates than continuing with aspiration alone.¹³ For cases when you do not start combined, consider switching as early as second pass to increase your chances of eTICI 2c-3.¹³

60

1. Data on file; TR-NV16168A, D00033351A. 2. Data on file; TR-NV15999B, TR-NV15399A. 3. Data on file; TR-NV14973B. 4. Ribó M, Möhlenbruch M, Cognard C, Sanjeev N, Mordasini P. Combination therapy using Solitaire™ revascularization device and primarily the React™ catheter in mechanical thrombectomy: Experience from INSPIRE-5 registry. Poster at: International Stroke Conference; February 7-9, 2024; Phoenix, AZ. 5. Data on file; TR-NV15436C, D00272862C. 6. Data on file; D00344794B, TR-NV15519A, TR-NV15516A. 7. Data on file; TR-NV15346C, TR-NV14704ADDA-1, TR-NV14443A, TR-NV14704A. 8. Data on file; TR-NV15965A, D00292166B. 9. Bernava G, Rosi A, Boto J, et al. Direct thromboaspiration efficacy for mechanical thrombectomy is related to the angle of interaction between the aspiration catheter and the clot. J Neurointerv Surg. 2020;12(4):396-400. 10. Liu Y, Gebrezgiabhier D, Zheng Y, et al. Arterial collapse during thrombectomy for stroke: Clinical evidence and experimental findings in human brains and in vivo models. AJNR Am J Neuroradiol. 2022;43(2):251-257. 11. Diana F, Vinci SL, Ruggiero M, et al. Comparison of aspiration versus combined technique as first-line approach in terminal internal carotid artery occlusion: A multicenter experience. J Neurointerv Surg. 2022;14(7):666-671. 12. Okuda T, Arimura K, Matsuo R, et al. Efficacy of combined use of a stent retriever and aspiration catheter in mechanical thrombectomy for acute ischemic stroke. J Neurointerv Surg. 2022;14(9):892-897. 13. Martins PN, Nogueira RG, Tarek MA, et al. Early technique switch following failed passes during mechanical thrombectomy for ischemic stroke: Should the approach change and when? J Neurointerv Surg. Published online April 4, 2024. doi: 10.1136/jnis-2024-021545.14. Chueh JY, Puri AS, Wakhloo AK, Gounis MJ. Risk of distal embolization with stent retriever thrombectomy and ADAPT. J Neurointerv Surg. 2023;15(5):496-501. 16. Goyal M, Menon BK, van Zwam WH, et al. Endovascular thrombectomy after large-vessel ischaemic stroke: A meta-analysi

[†] Compared to aspiration-alone technique.

[‡] Compared to aspiration alone techniques.

[§] Based on in-vitro studies and may not be indicative of clinical performance.





Facilitate smooth navigation t,§,2,5,15

Decrease procedural variability^{†,9,10}

Success of endovascular thrombectomy with a single device may be influenced by:

- Vessel anatomy
- Clot composition & length
- Angle of interaction between the aspiration catheter and clot9

With combination therapy, maximize procedural success by complementing the strengths of the stent retriever with the aspiration catheter to minimize the influence of a single variable.

Minimize distal emboli^{†,11,14}

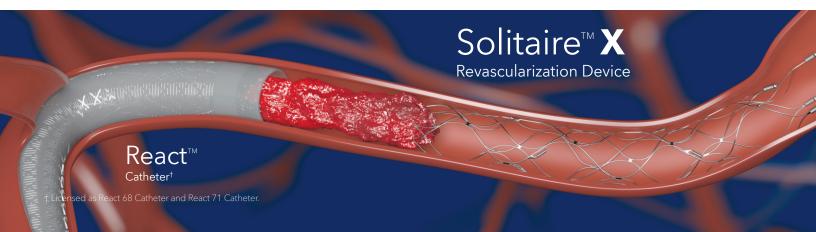
Combination therapy was found to be the most efficient method for **reducing** the rate of clot fragmentation for hard fragment-prone clots.^{‡,14}

Aspiration-alone **at least doubled the risk** of soft elastic clot fragmentation compared to techniques with a stent retriever. 14

Minimize the possibility of clot disruption by combining the stent retriever with the aspiration catheter. 11

Facilitate smooth navigation through tortuous vasculature^{†,§,2,5,15}

With combination therapy, use the stent retriever as an anchor to promote smooth navigation of the aspiration catheter to reach the occlusion site, improving reliability of tracking when positioning the aspiration catheter closer to the face of the clot. f, §, 15



Compatibility & dependability.
Combined.

Trust in reliable, compatible tools to combat procedural variability^{†,1-3,5-10}

The use of the **Solitaire**™ **X** device with the **React**™ catheter results in **high rates of FPE**.⁴



Solitaire[™] **X**

Revascularization device

Clinically proven stent retriever with a unique overlapping parametric design that provides **dynamic clot integration** and differentiated radial outward force.¹⁶⁻¹⁸

React[™] 68/71 Catheter

Designed for **trackability** with the COBRA (COil + BRAid) technology and **durability** of nitinol to support the Solitaire[™] X device.^{1,2,15}

Phenom™

21/27 Catheter

160cm length catheter optimized to deliver all sizes of the Solitaire™ X device providing smooth deliverability with a low clot-crossing profile.¹

INSPIRE-S Registry Combination Therapy^{‡,§,4}

Variable	Results	Sample Size
mRS 0-2 at 90 days	54.1%	n=381
Time from arterial puncture to final reperfusion (min)	49.9 (34.7)	n=375
Number of passes	1.8 (1.25)	n=397
First pass revascularization [◊]		n=393
eTICI ≥2b50	61.1%	
eTICI ≥2b67	56.5%	
eTICI ≥2c	48.6%	
eTICI = 3	35.9%	
Final revascularization ⁰		n=393
eTICI ≥ 2b50	93.4%	
eTICI ≥ 2b67	88.8%	
eTICI ≥ 2c	75.6%	
eTICI = 3	52.7%	
sICH¶	1.5%	n=397

REACT Registry Combination Therapy (n=429)#,19

mRS 0-2 at 90 days 41.5% Time from arterial puncture to final reperfusion (min, range) Number of passes 1.8 (1.2) First pass revascularization mTICI \geq 2b 66.9% mTICI \geq 2c 47.8% mTICI = 3 39.6% Final revascularization mTICI \geq 2b 90.7% mTICI \geq 2c 64.8% mTICI \geq 3 52.5% Overall ICH 29.6%	Variable	Results
final reperfusion (min, range) Number of passes 1.8 (1.2) First pass revascularization mTICI \geq 2b mTICI \geq 2c 47.8% mTICI = 3 39.6% Final revascularization mTICI \geq 2b mTICI \geq 2c 64.8% mTICI \geq 3 52.5%	mRS 0-2 at 90 days	41.5%
First pass revascularization $mTICI \ge 2b$ 66.9% $mTICI \ge 2c$ 47.8% $mTICI = 3$ 39.6% Final revascularization $mTICI \ge 2b$ 90.7% $mTICI \ge 2c$ 64.8% $mTICI = 3$ 52.5%		46.0 (11-264)
mTICI ≥2b 66.9% mTICI ≥2c 47.8% mTICI = 3 39.6% Final revascularization mTICI ≥ 2b 90.7% mTICI ≥ 2c 64.8% mTICI = 3 52.5%	Number of passes	1.8 (1.2)
mTICI ≥2c 47.8% mTICI = 3 39.6% Final revascularization mTICI ≥ 2b 90.7% mTICI ≥ 2c 64.8% mTICI = 3 52.5%	First pass revascularization	
mTICI = 3 39.6% Final revascularization $mTICI \ge 2b$ 90.7% mTICI ≥ 2c 64.8% mTICI = 3 52.5%	mTlCl ≥2b	66.9%
Final revascularization $ \begin{array}{ll} \text{mTICI} \geq 2b & \textbf{90.7\%} \\ \text{mTICI} \geq 2c & \textbf{64.8\%} \\ \text{mTICI} = 3 & \textbf{52.5\%} \end{array} $	mTlCl ≥2c	47.8%
mTICI ≥ 2b 90.7% mTICI ≥ 2c 64.8% mTICI = 3 52.5%	mTICI = 3	39.6%
mTICI ≥ 2c 64.8% mTICI = 3 52.5%	Final revascularization	
mTICI = 3 52.5%	mTICI ≥ 2b	90.7%
	mTICI ≥ 2c	64.8%
Overall ICH 29.6%	mTICI = 3	52.5%
	Overall ICH	29.6%

 $[\]uparrow$ Data are % or mean (SD) – mRS, modified Rankin Scale; eTICI, extended Thrombolysis in Cerebral Infarction; sICH, symptomatic Intracranial Hemorrhage; FPE, first pass effect

[‡] Includes Solitaire™ X device, primarily, with Solitaire™ Platinum device used in combination with the React™ catheter in 76% of all the cases in the full 397-patient cohort. § The Innovative NeurovaScular Product Surveillance REgistry-Acute Ischemic Stroke (INSPIRE-S) Registry is a prospective, global registry that is both core-lab and clinical events committee (CEC) adjudicated.

 $[\]Diamond$ Preliminary results based on a total of 393 patients with core lab data available for revascularization.

[¶] CEC adjudicated. Defined as any intracranial hemorrhage with an increase of 4 points or more in the NIHSS score within the 24 hours post-procedure visit window, or that led to death and that was identified as the predominant cause of the neurologic deterioration.
Includes React™ catheter and Solitaire™ revascularization device in 100% of the cases.

Model	Vessel D	Recommended Vessel Diameter ^A (mm)	Vessel Diameter ^A	Microcatheter Inner Diameter Range	Push Wire Length	Stent Diameter	Usable Length ^B	Stent Length	Length from Distal Tip to Fluorosafe Marker		paque kers	Radiopaque Stent Markers Spacing
	(min)	(max)	(min - max)	(cm)	(mm)	(cm)	(mm)	(cm)	Distal	Prox.	(mm)	
SFR4-3-20-10	1.5	3.0	0.017" - 0.027" 0.43mm-0.69mm	200	3.0	20.0	30.6	<150	3	1	10	
SFR4-3-40-10	1.5	3.0	0.017" - 0.027" 0.43mm-0.69mm	200	3.0	40.0	51.6	<150	3	1	10	
SFR4-4-20-05	1.5	4.0	0.021"- 0.027" 0.53mm-0.69mm	200	4.0	20.0	31.0	<130	3	1	5	
SFR4-4-20-10	1.5	4.0	0.021"- 0.027" 0.53mm-0.69mm	200	4.0	20.0	31.0	<130	3	1	10	
SFR4-4-40-10	1.5	4.0	0.021"- 0.027" 0.53mm-0.69mm	200	4.0	40.0	50.0	<130	3	1	10	
SFR4-6-20-10	2.0	5.5	0.021"- 0.027" 0.53mm-0.69mm	200	6.0	20.0	31.0	<130	4	1	10	
SFR4-6-24-06	2.0	5.5	0.021"- 0.027" 0.53mm-0.69mm	200	6.0	24.0	37.0	<130	4	1	6	
SFR4-6-40-10	2.0	5.5	0.021"- 0.027" 0.53mm-0.69mm	200	6.0	40.0	47.0	<130	4	1	10	

A. Based on the smallest vessel diameter at thrombus site. B. Usable length that is at least as long as the length of the thrombus.

Up to 3 flow restoration recoveries 20

React [™] Catheter				
Product Name	Model	Inner Diameter (in)	Max Outer Diameter (in)	Working Length (cm)
React™ 68 Catheter	REACT-68	0.068	0.083	132
React™ 71 Catheter	REACT-71	0.071	0.0855	132

Riptide [™] Aspiration System								
Individual Components		Model	Volume (mL)	Inner Diameter (in) Tubing Length (in) Distal Length (in)		
Riptide™ Aspiration Pump		MAP-1000	-	-	-	-		
Riptide™ Collection Canister with Intermediate Tubing		MAC-1200	1200	-	-	-		
Riptide™ Large Bore Aspiration Tubing	MAT-110-110	-	0.110	112	7			
Riptide™ Aspiration System								
Initial Order Bundle	Model	Riptide™ Aspiration Pum	Riptide™ Collection Canister p with Intermediate Tubing		Collection Canister Riptide™ Large Bore Aspiration Tubing			
Riptide™ Aspiration System 68 Bundle	RBUNDLE-68	1 QTY		3 QTY	QTY 3 QTY			
Riptide™ Aspiration System 71 Bundle	RBUNDLE-71	1 QTY		3 QTY	QTY 3 QTY			

Phenom™ 21/27 Catheters									
Product Name	Model	Outer Diameter (F)	Inner Diameter (in)	Working Length (cm)	Soft Distal Segment (cm)	Flexible Single Coil Segment (cm)	Tip Shape	Max Guidewire (in)	
Phenom [™] 21 Catheter	FG13160-0615-1S	2.6>2.3	0.021	160	6	15	Straight	0.018	
Phenom [™] 27 Catheter	FG15160-0615-1S	3.1>2.8	0.027	160	6	15	Straight	0.025	

Medtronic