



MEDICAL CARE +

LOREM IPSUM DOLOR SIT AMET, CONSECTETUR ADIPISICING ELIT, SED DO EIUSMOD TEMPOR INCIDIDUNT UT LABORE ET DOLORE MAGNA ALIQUA. UT ENIM AD MINIM VENIAM, QUIS NOSTRUD EXERCITATION ULLAMCO LABORIS NISI UT ALIQUIP EX EA COMmodo CONSEQUAT. DUIS AUTE IRURE DOLOR IN REPREHENDERIT IN VOLUPTATE VEIIT ESSE CILLUM DOLORE.

BRAIN CHECK-UP

LOREM IPSUM DOLOR SIT AMET, CONSECTETUR ADIPISICING ELIT, SED DO EIUSMOD TEMPOR INCIDIDUNT UT LABORE ET DOLORE MAGNA ALIQUA. UT ENIM AD MINIM VENIAM, QUIS NOSTRUD EXERCITATION ULLAMCO LABORIS NISI UT ALIQUIP EX EA COMmodo CONSEQUAT. DUIS AUTE IRURE DOLOR IN REPREHENDERIT IN VOLUPTATE VEIIT ESSE CILLUM DOLORE.

A white wireframe world map with a magnifying glass icon over it, set against a grid background.A white wireframe illustration of a human brain, showing the gyri and sulci.

Mi-R⁴Q Aspiration Catheter

Technology Overview

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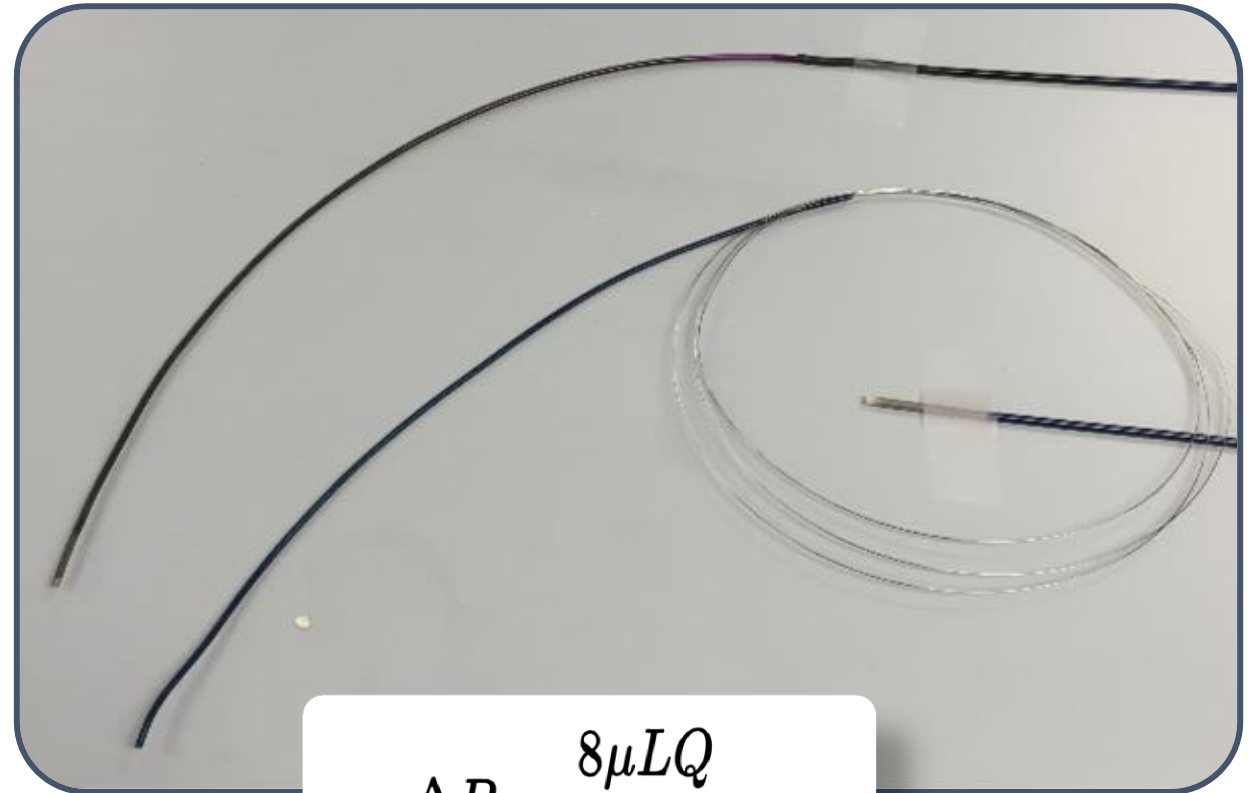
A white ECG (heart rate) graph on a grid background, showing several irregular heartbeats.

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A white medical chart or data visualization on a grid background, with several lines and points representing data.

Mi-R⁴Q™ Aspiration Catheter

- Proximal portion of the catheter is replaced with a wire
- Allows for increased flow area
- Highest aspiration rate of any commercially available aspiration catheter
- Maintains adequate suction in small vessels

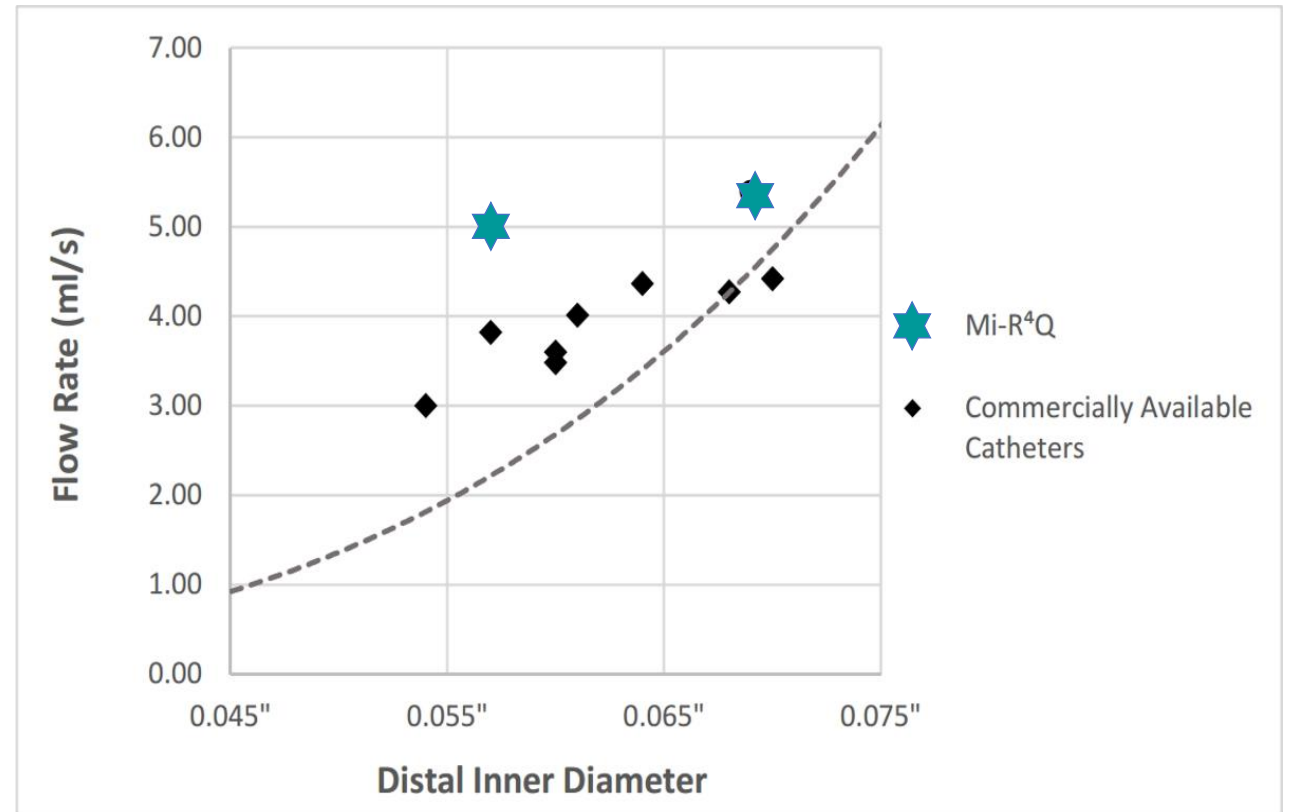


$$\Delta P = \frac{8\mu L Q}{\pi r^4},$$

Mi-R⁴Q™ Competitive Comparison

> 20% more suction power

Catheter	Distal ID	Proximal ID	Flow Rate (ml/s)
Mi-R ⁴ Q70	0.070"	0.090"	5.39
Penumbra ACE68	0.068"	0.068"	4.27
Sophia Plus	0.070"	0.070"	4.42
Mi-R ⁴ Q57	0.057"	0.090"	4.88
ev3 Arc	0.061"	0.069"	4.01
InNeuro 6F	0.060"	0.062"	3.48

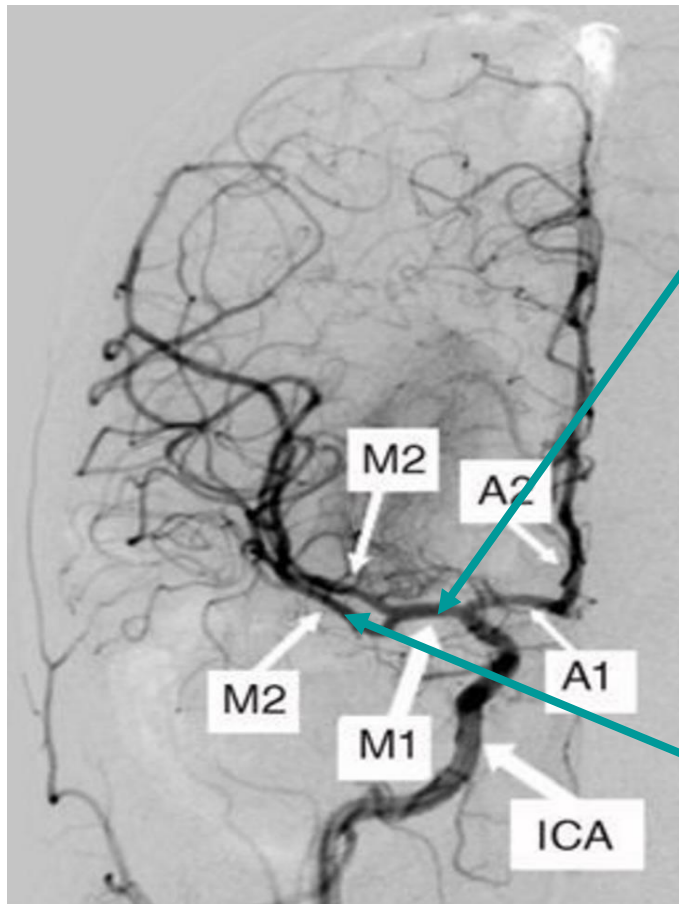


Mi-R⁴Q™ Suction Catheter

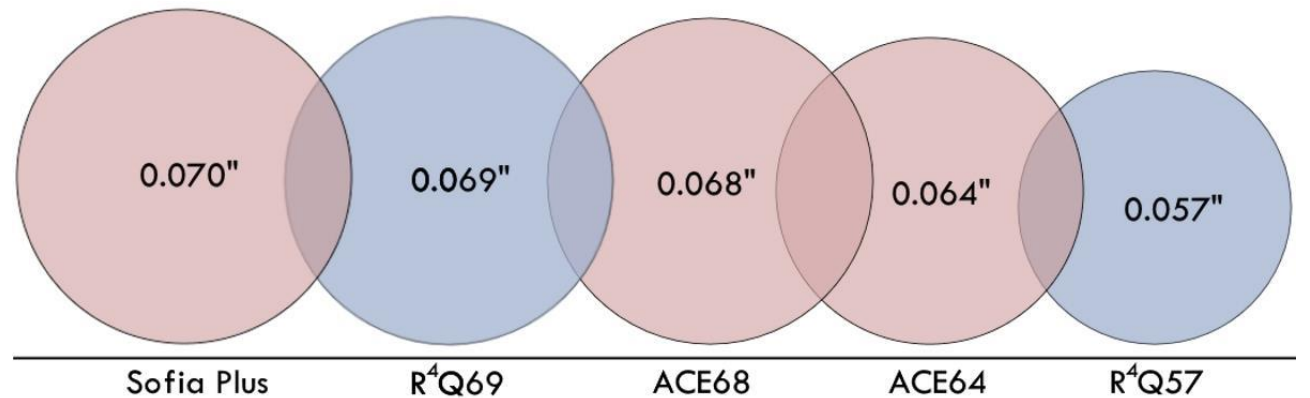


	R ⁴ Q 57	Penumbra ACE™ 64
Inner Diameter Prox.	6.705F	5.18F
Inner Diameter Distal	4.30F	4.88F
Flow Rates		
Bench Testing (ml/s)	5.28	4.14
Flow Simulation (ml/s)	5.80	3.613
Pressure Loss (%)	17.8	36.1
Aspiration Force (g)	10.56 – 26.3	10.35

R⁴Q™ Suction Catheter- Depth/Tip size

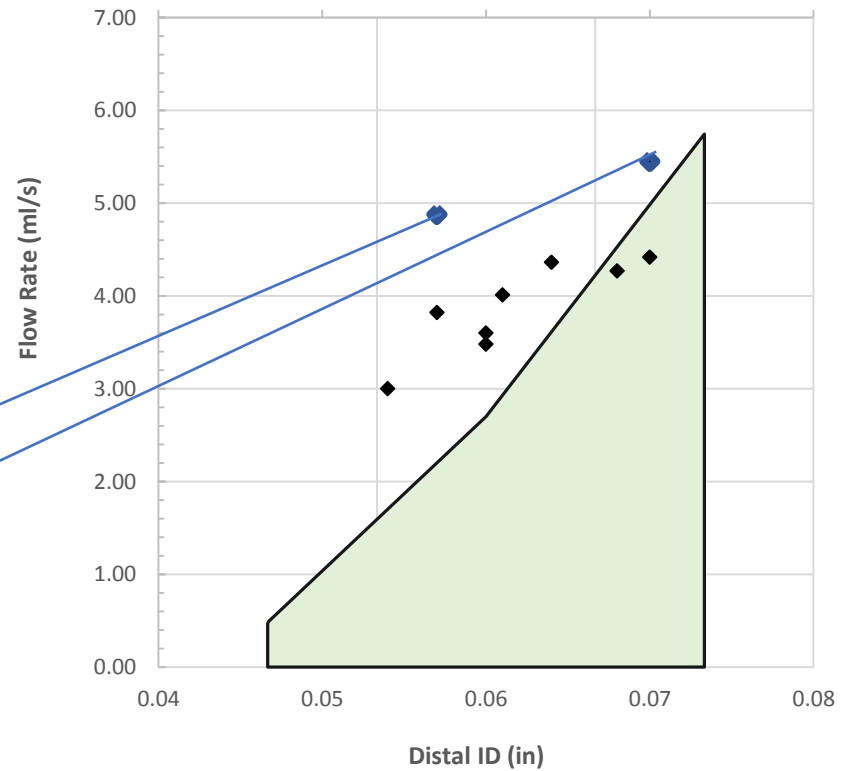
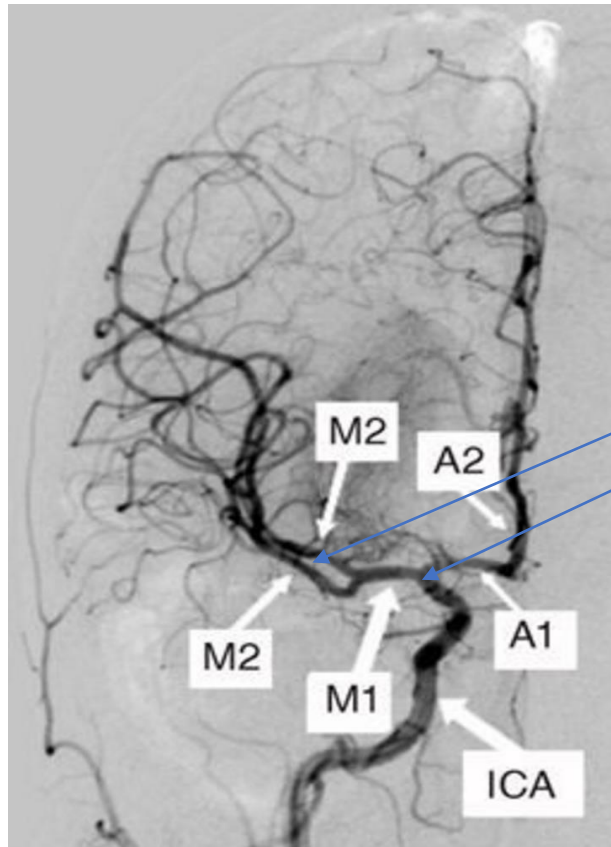


1.8 mm (0.068-0.070") 6F
1.4 mm (0.054-0.058") 5F
1.1 mm (0.043-0.046") 4F
0.9 mm (0.036") 3F



MIVI'S Suction vs Access

Flow Rate Optimization



Catheters Tested

Mi-R⁴Q70

Penumbra ACE68

Sophia Plus

Mi-R⁴Q57

ev3 Arc

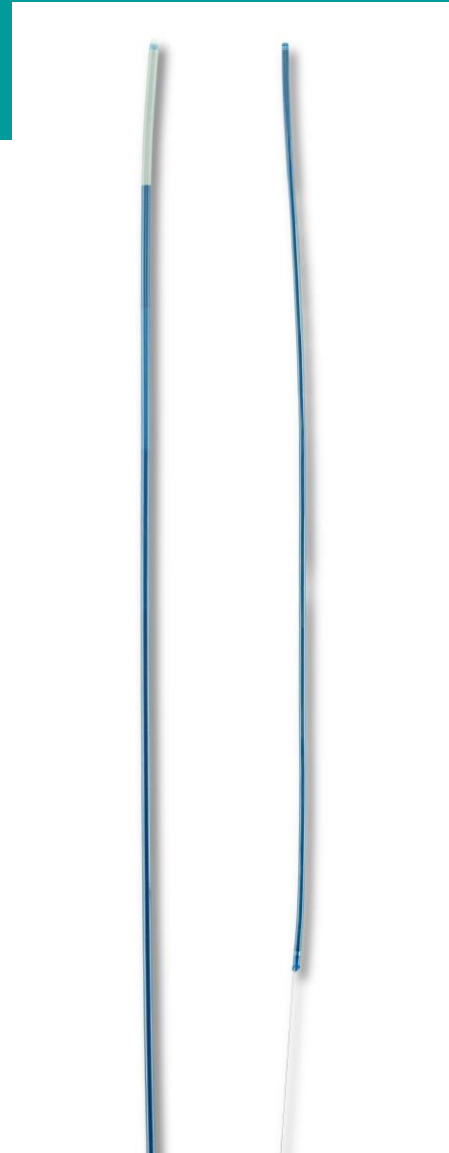
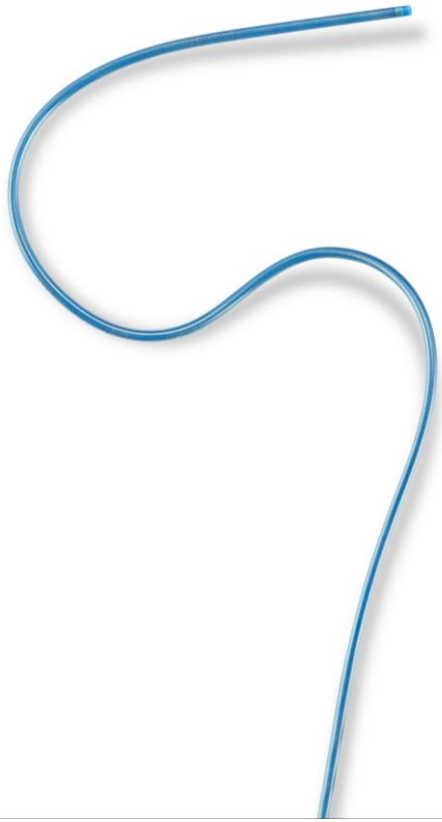
InNeuro 6F

Penumbra ACE 64

Penumbra 5 MAX

Cat 6

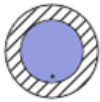
R4Q Images



R⁴Q™ Suction Catheter

Features

1. RX (rapid exchange) procedure = Deeper delivery
2. Larger volume = More flow
3. Shorter/ Shortening system = More and more flow



Standard System