

# Neuroform<sup>3</sup>™ Microdelivery Stent System

Neurovascular Reconstruction

Boston  
Scientific



New  
Stabilizer

# Improved Delivery

## Enhanced Access and Stability

Controlling the position of the guidewire independently from the stent delivery system provides for vessel sub-selectivity and system stability, and helps maintain distal access\*.

# Optimized Stent Geometry

## Hybrid Cell Design

### Three-Connector

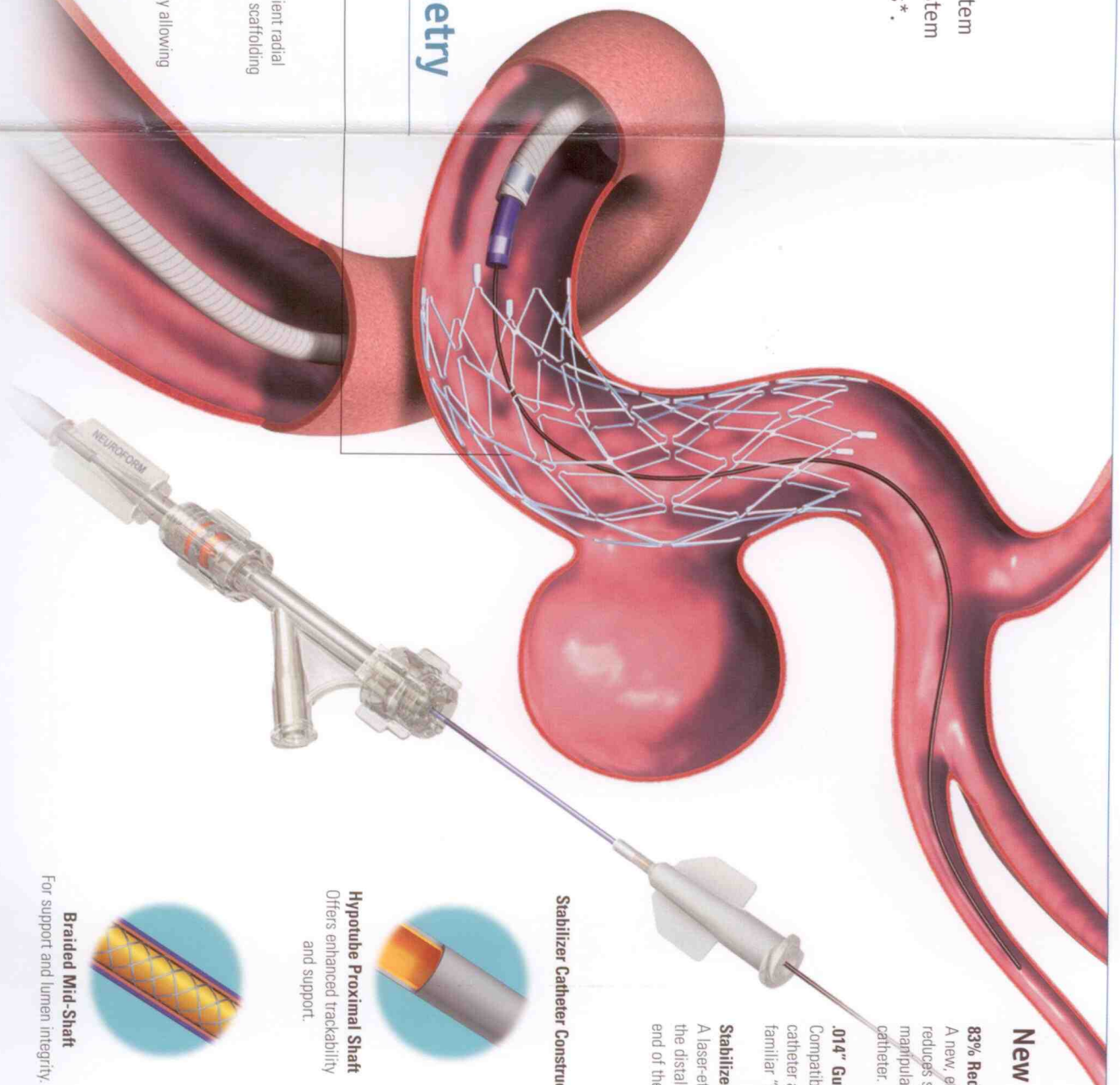
The Neuroform<sup>3</sup>™ hybrid cell design is optimized to deliver sufficient radial force to generate stability within the vessel and provide efficient scaffolding for coil mass support.

### Highly Conformable

The Neuroform<sup>3</sup> hybrid cell design provides optimal conformability allowing application in tapered vessel and tortuous vessel segments.

### Minimized Foreshortening

Neuroform<sup>3</sup> stents employ segmented cell geometry engineered to minimize foreshortening during deployment. Stent foreshortening ranges from 1.8% to 5.4% of total length.



## New Stabilizer Catheter

### 83% Reduction in Guidewire Friction\*

A new, enlarged PTFE inner lumen (.0165" diameter) reduces system friction by 83% to facilitate manipulation of guidewires within the stabilizer catheter.

### .014" Guidewire Compatibility

Compatible with most .014" guidewires, the stabilizer catheter allows for use of preferred guidewires for familiar "feel" and greater control.

### Stabilizer Proximity Marker Band

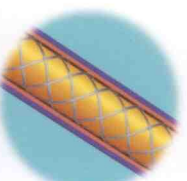
A laser-etched marker band indicates the proximity of the distal tip of the stabilizer catheter to the proximal end of the stent.

\* Data on file at Boston Scientific.

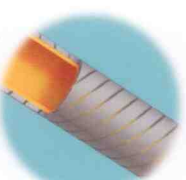
### Stabilizer Catheter Construction



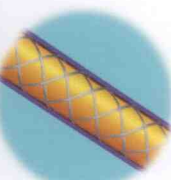
**Hypotube Proximal Shaft**  
Offers enhanced trackability and support.



**Braided Mid-Shaft**  
For support and lumen integrity.



**Spiral-Cut Transition Zone**  
Provides a flexible transition to the braided mid-shaft.



**Braided Distal Shaft**  
Provides lumen integrity with greater distal flexibility.

# Pack with Confidence



## Stability of Occlusion

Obtaining greater coil packing within the aneurysm, particularly at the neck promotes better long-term results. Complete packing of the aneurysm neck reduces the risk of recanalization by arresting blood flow in the aneurysm.<sup>1,2</sup>



Pre-Embolization



Post-Embolization



Follow-Up 6 Months

Images courtesy of Prof. Martin Schumacher and Ansgar Berlis, MD, Freiburg, Germany (Case 56 on NeuroformStent.com)

1. Fiorella D, et al. Usefulness of the Neuroform Stent for the Treatment of Cerebral Aneurysms: Results at Initial (3-6 mo) Follow-up. *Neurosurgery*. 2005 Jun;56(6):1191-202  
 2. Benitez RP, et al. Endovascular Occlusion of Wide-Necked Aneurysms with a New Intracranial Microstent (Neuroform) and Detachable Coils. *Neurosurgery* 2004; 54:1357-1368

## Ordering Information

### Microdelivery Catheter

Usable Length: 131 cm  
 Proximal OD: 3.0F  
 Distal OD: 2.8F

### Stabilizer Catheter

Usable Length: 150 cm  
 OD: 2.0F  
 ID: 0.0165"

### Guide Catheter Recommendations

Min. ID: 0.050"  
 Maximum Length: 90 cm

### Guidewire Recommendations

0.014" Transend 300 Floppy

### MRI Compatibility

1.5T (DFU); 3.0T in literature\*

\* Nehra et al. "MR Safety and Imaging of Neuroform Stents at 3T", *AJNR Am J Neuroradiol*, Oct. 2004, 25: 1476-1478.

| Dia. and Length | Neuroform <sup>2™</sup> | Neuroform <sup>3™</sup> |
|-----------------|-------------------------|-------------------------|
| 3.0 x 15 mm     | -                       | M003E3300150            |
| 3.0 x 20 mm     | -                       | M003E3300200            |
| 3.0 x 30 mm     | -                       | M003E3300300            |
| 3.5 x 15 mm     | M003E2350150            | M003E3350150            |
| 3.5 x 20 mm     | M003E2350200            | M003E3350200            |
| 3.5 x 30 mm     | M003E2350300            | M003E3350300            |
| 4.0 x 15 mm     | M003E2400150            | M003E3400150            |
| 4.0 x 20 mm     | M003E2400200            | M003E3400200            |
| 4.0 x 30 mm     | M003E2400300            | M003E3400300            |
| 4.5 x 15 mm     | M003E2450150            | M003E3450150            |
| 4.5 x 20 mm     | M003E2450200            | M003E3450200            |
| 4.5 x 30 mm     | M003E2450300            | M003E3450300            |

Stabilizer M003ENF3STA0 available separately.  
 Neuroform<sup>2™</sup> available upon request only for the "Y" stent technique.

# Boston Scientific

Delivering what's next.™

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