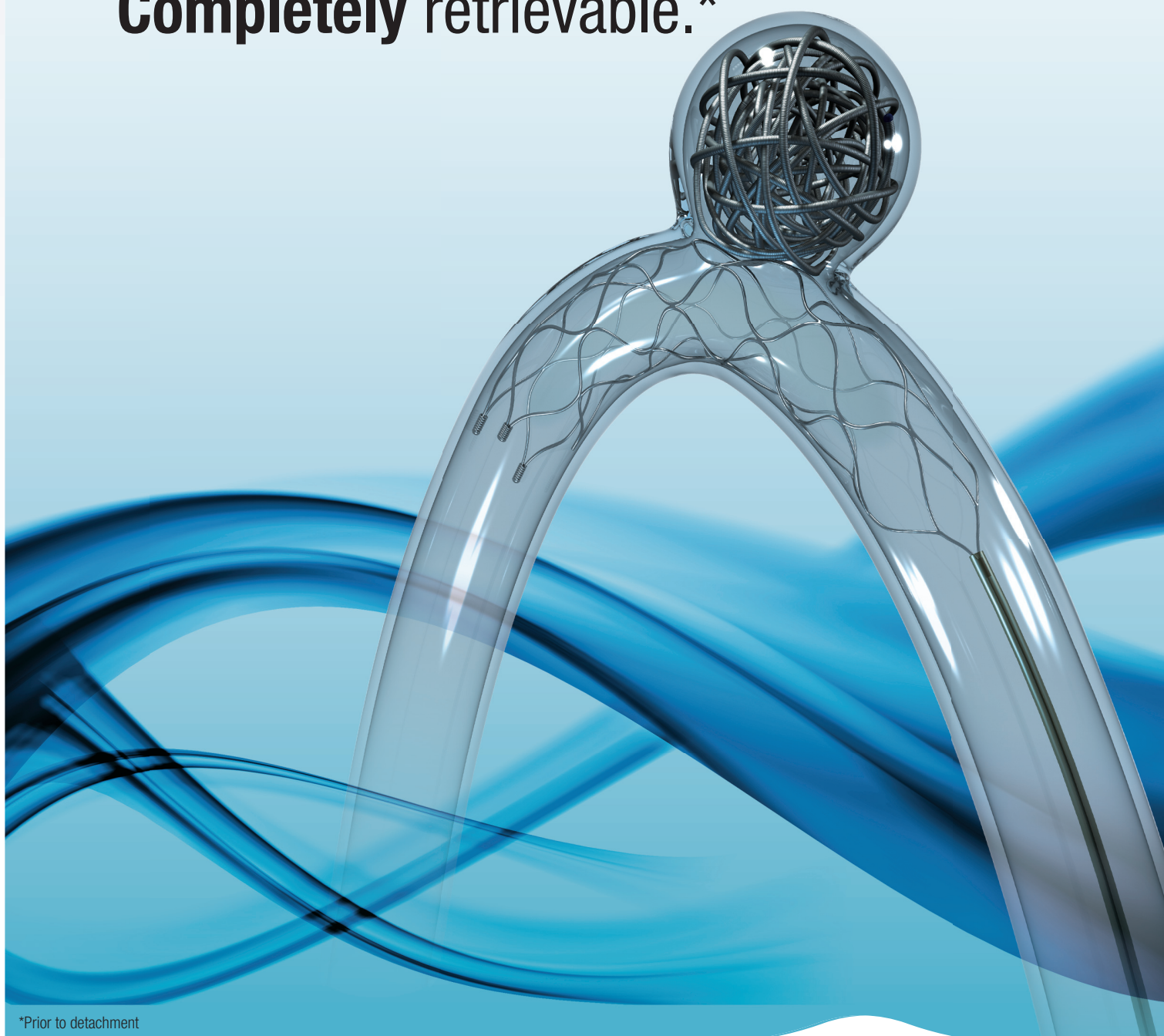


**Solitaire™ AB**

Neurovascular  
Remodeling Device

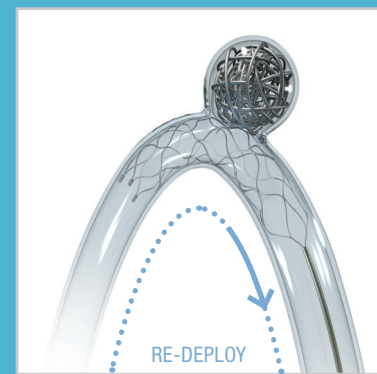
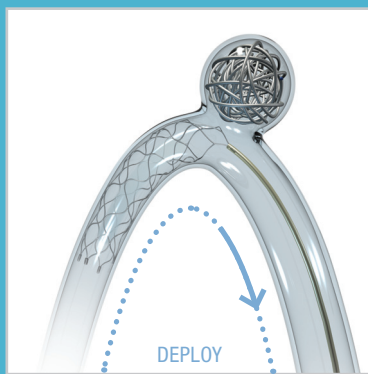
New sizes  
available:  
3 & 5 mm and  
new lengths in 4 mm

**Fully deployable.**  
**Completely retrievable.\***



\*Prior to detachment

**Solitaire™ AB** Neurovascular Remodeling Device is the only self-expanding stent designed for bridging the neck of aneurysms that **can be completely retrieved, even when fully deployed** for unmatched procedural control.



### Ease in delivery

- Designed for single-operator delivery and deployment
- Delivery through a standard 0.021" or 0.027" micro catheter on a 0.016" pushwire means Solitaire AB delivers just like a coil

### Accuracy and deployment control

- Only Solitaire AB allows for multiple retrievals, even after full deployment for adjustment and superior placement
- Features electrolytic detachment for control of detachment after deployment. Solitaire AB can be detached before or after coil embolization
- When not detached, Solitaire AB can be safely held or placed without risk of migration of the stent during coil placement or balloon use

### Optimal coil mass support

- Designed for optimal vessel conformability. Due to its unique self-expanding Nitinol design, Solitaire AB easily adopts to the tortuous path of vessels
- Its open slit, closed cell design gives Solitaire AB excellent radial force with good kink resistance

# Clinical successes

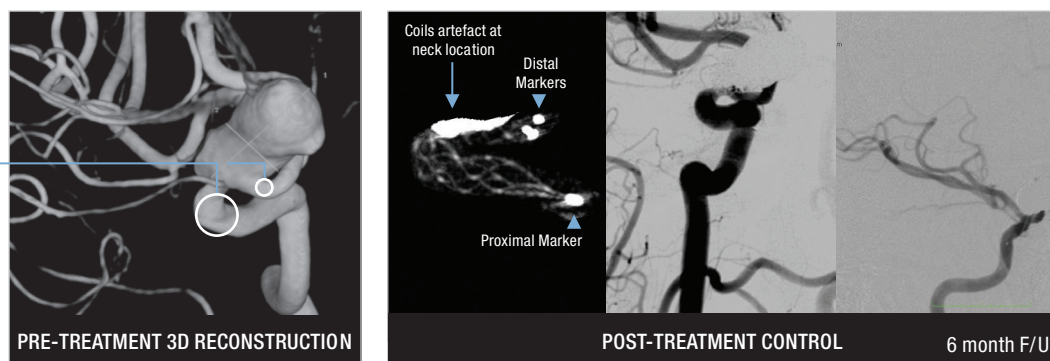
LINNC, 2008

- Lack of kinking
- Good conformability
- Coverage at the neck

Note the difference in terms of vessel diameter that does not favor the stent opening

Case pictures courtesy of Pr. Moret – Rothschild Foundation, Paris, France

- Both distal and proximal sections comply with vessel wall and show nice opening
- Despite acute angle, Solitaire AB shows minimal narrowing

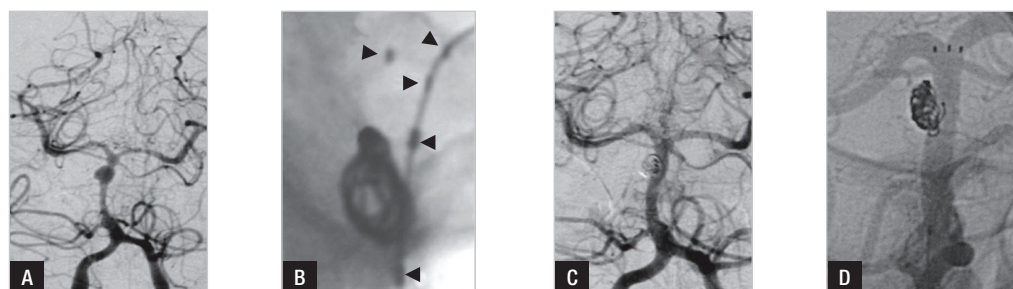


J Neurosurg 107, 2007

*Immediate and midterm follow-up results of using an electrodetachable, fully retrievable (SOLO\*) stent system in the endovascular coil occlusion of wide-necked cerebral aneurysms*

Kivilcim Yavuz, M.D., Serdar Geyik, M.D., Almila Gulsum Pamuk, M.D., Osman Koc, M.D., Isil Saatchi, M.D., and H. Saruhan Cekirge, M.D.

- A:** Initial diagnostic left VA angiogram, demonstrating a ruptured mid-BA wide-necked aneurysm and vasospasm of the BA.
- B:** Nonsubtracted view showing deployed but not detached SOLO\* stent in the BA across the aneurysm neck. Three distal radiopaque markers are indicated by arrows. A 4x7 mm HyperForm™ Balloon (arrowheads) was positioned within the stent from the contralateral VA. The aneurysm was then embolized with stent- and balloon-assisted coil insertion, and detachment of the stent was accomplished after endosaccular coil placement.
- C:** Immediate post-treatment angiogram exhibiting complete occlusion of the aneurysm.
- D:** Six-month follow-up angiogram, revealing stable complete occlusion.

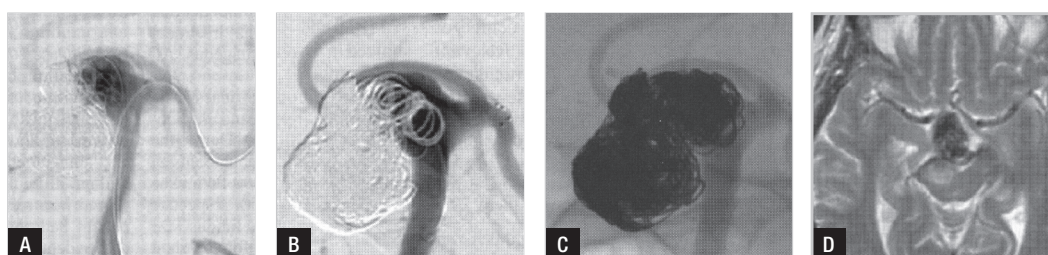


Neuroradiology, 2006

*A Novel Self-Expanding Fully Retrievable Intracranial Stent (SOLO\*): Experience in Nine Procedures of Stent-Assisted Aneurysm Coil Occlusion*

Thomas Liebig, Hans Henkes, Jörg Reinartz, Elina Miloslavski, and Dietmar Kühne

- Progress of the treatment in patient 1 **A, B** and pretreatment T2-W transverse MRI scan **D**. Initially, the aneurysm was selected with a micro catheter for coil delivery **A**, followed by the deployment of the first of two SOLO\* stents and a number of loosely fitting coils **B**. Finally, another SOLO\* stent was placed almost entirely overlapping the first, and the aneurysm was roughly 90% occluded with a total of nine coils **C**.



\* SOLO is now Solitaire AB.

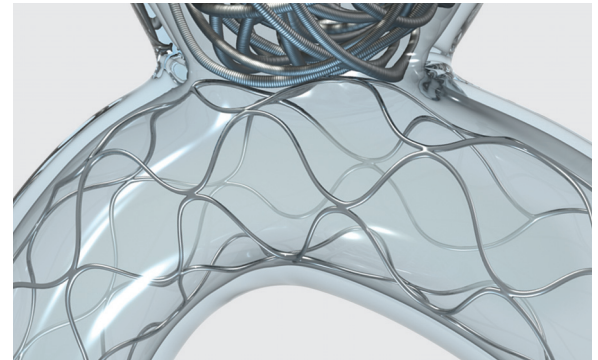


# The difference is in the design

The unique overlap design of Solitaire AB gives flexibility and allows for conformance to the vessel while minimizing straightening of the vessel

Solitaire AB has a radial force that allows for flexibility and optimal coil mass support due to:

- Closed cell design
- High cell deformation resistance

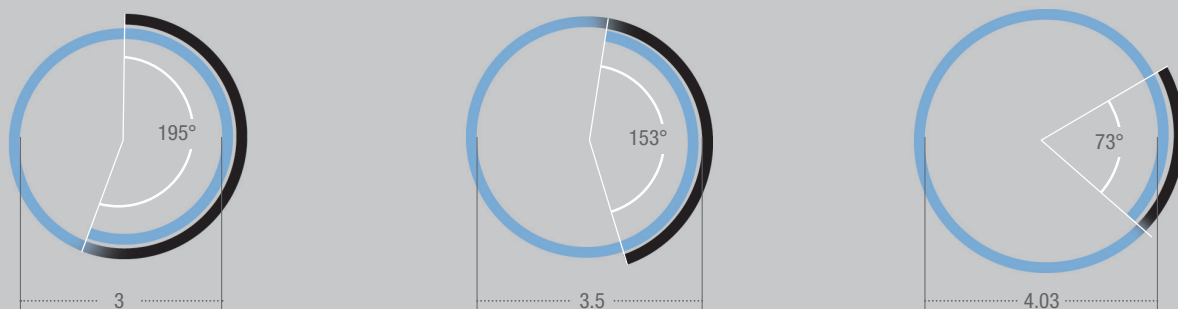


Due to its unique overlap design, Solitaire AB provides excellent wall apposition for stability in the vessel and radial strength to support the coil mass



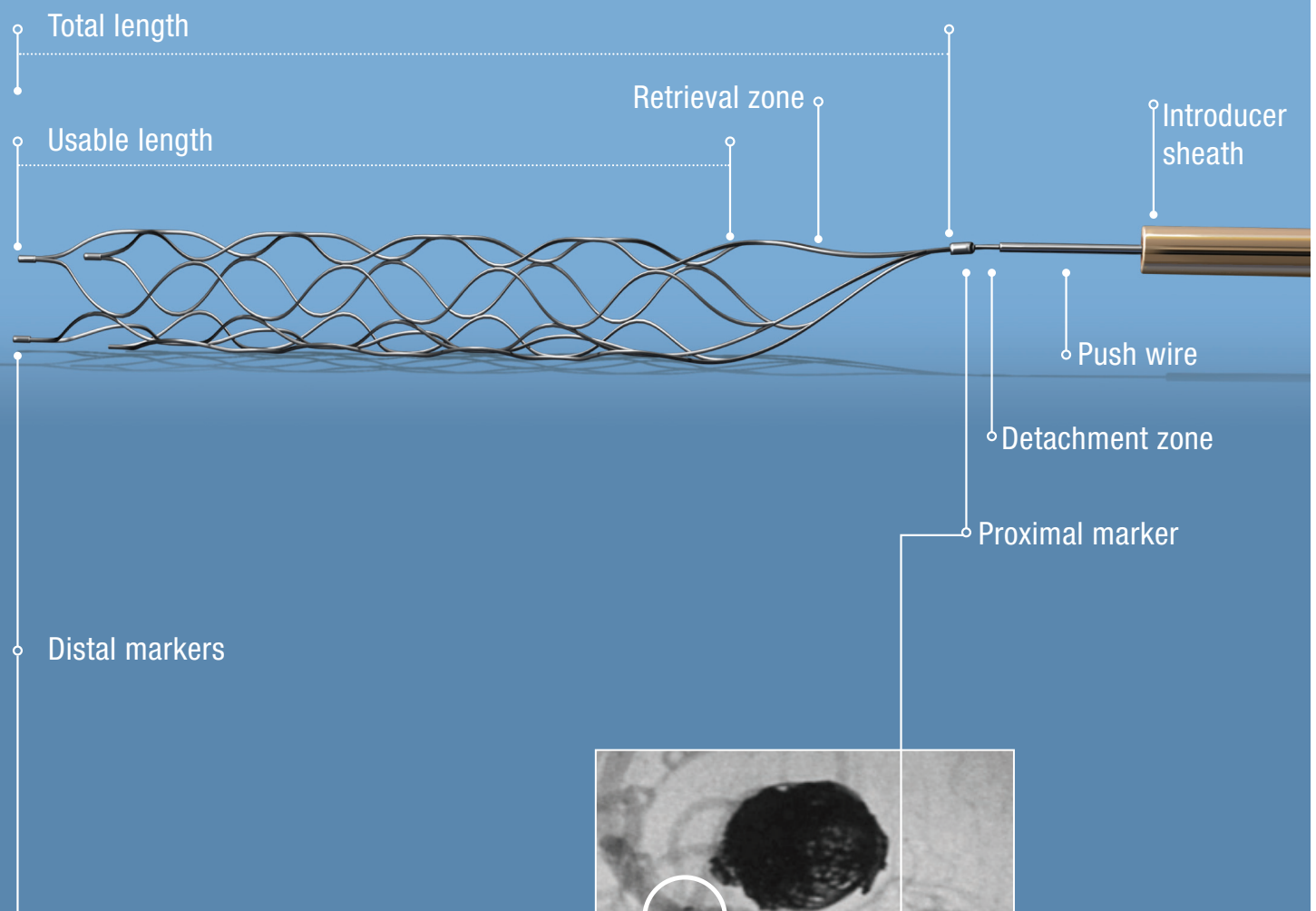
## Cell overlap

The Solitaire AB closed cell design provides optimum scaffolding to prevent coil herniation into the parent artery



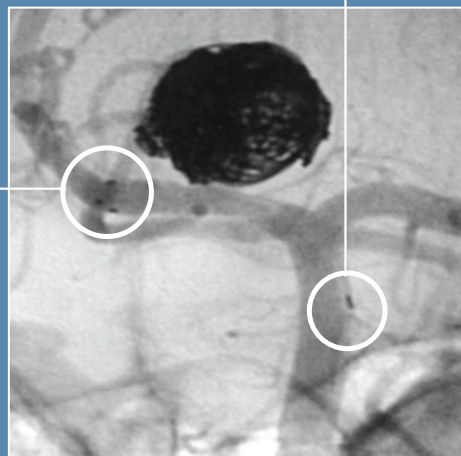
Solitaire AB cell overlap for various vessel diameters for 4 mm device

# Optimal Delivery and Coil Mass Support



## Visualization

Distal and proximal markers ensure that the exact position of Solitaire AB is always known



## Solitaire™ AB - Device Selection

| Reference Number | Recommended Vessel Diameter (mm) | Diameter (mm) | Minimum Microcatheter ID (in.) | Distal Marker(s) | Proximal Marker(s) | Working Length (min) | Total Length (min) |
|------------------|----------------------------------|---------------|--------------------------------|------------------|--------------------|----------------------|--------------------|
| SAB-3-20*        | 2.2 – 3.0                        | 3             | 0.021                          | 3                | 1                  | 24.2                 | 32.2               |
| SAB-3-30*        | 2.2 – 3.0                        | 3             | 0.021                          | 3                | 1                  | 36.6                 | 44.8               |
| SAB-4-15         | 3.0 – 4.0                        | 4             | 0.021                          | 3                | 1                  | 15.6                 | 27.3               |
| SAB-4-20         | 3.0 – 4.0                        | 4             | 0.021                          | 3                | 1                  | 20.6                 | 32.1               |
| SAB-4-30*        | 3.0 – 4.0                        | 4             | 0.021                          | 3                | 1                  | 31.1                 | 42.3               |
| SAB-4-40*        | 3.0 – 4.0                        | 4             | 0.021                          | 3                | 1                  | 40.2                 | 51.6               |
| SAB-5-20*        | 4.0 – 5.0                        | 5             | 0.027                          | 4                | 1                  | 20.1                 | 32.6               |
| SAB-5-30*        | 4.0 – 5.0                        | 5             | 0.027                          | 4                | 1                  | 29.1                 | 41.8               |
| SAB-5-40*        | 4.0 – 5.0                        | 5             | 0.027                          | 4                | 1                  | 38.3                 | 50.9               |
| SAB-6-20         | 5.0 – 6.0                        | 6             | 0.027                          | 4                | 1                  | 17.9                 | 32.3               |
| SAB-6-30         | 5.0 – 6.0                        | 6             | 0.027                          | 4                | 1                  | 28.3                 | 42.8               |

Select a Solitaire AB usable length to maintain a minimum of 4 mm on each side of the aneurysm neck along the parent vessel.

\* Coming soon. Please contact your ev3 representative for availability.

## Solitaire AB™ - Detachment System

| Reference Number | Description                 |
|------------------|-----------------------------|
| NDS-2            | Solitaire AB Detachment Box |

Note: It is recommended to use the ev3 Rebar™ Microcatheter for the delivery of Solitaire™ AB.

## Rebar™ - Device Selection

| Reference Number | Catheter Class | Usable Length (mm) | ID (in.) | Max Guidewire (in.) | Proximal OD | Distal OD |
|------------------|----------------|--------------------|----------|---------------------|-------------|-----------|
| 105-5081-153*    | 18             | 153                | 0.021    | 0.018               | 2.7F        | 2.4F      |
| 105-5083-153     | 18             | 153                | 0.021    | 0.018               | 2.7F        | 2.4F      |
| 105-5082-130     | 27             | 130                | 0.027    | 0.018               | 2.8F        | 2.8F      |
| 105-5082-145     | 27             | 145                | 0.027    | 0.018               | 2.8F        | 2.8F      |

\* Dual Marker Band

Indications, contraindications, warnings and instructions for use can be found in the product labeling supplied with each device. Solitaire AB Neurovascular Remodeling Device is designed for use as an adjunctive device in the treatment of intracranial aneurysms.

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**ev3 Europe**  
International Headquarters  
106-108 rue La Boétie  
75008 Paris  
France  
PH +33 156 88 59 10  
FX +33 156 88 59 11

**ev3 Corporate**  
World Headquarters  
Peripheral Vascular  
3033 Campus Drive  
Plymouth, MN 55441  
USA  
PH +1 763 398 7000  
FX +1 763 398 7001  
Cust Svc. +1 800 716 6700

**ev3 Neurovascular**  
9775 Toledo Way  
Irvine, CA 92618 USA  
PH +1 949 837 3700  
FX +1 949 837 2044  
  
**ev3 International**  
Distribution Centre  
Europalaan 25  
6199 AB Maastricht-Airport  
The Netherlands  
PH +31 (0) 433 659 220  
FX +31 (0) 43 364 6395

**ev3 SAS France**  
PH +33 (0) 156 88 31 10  
FX +33 (0) 156 88 31 11  
  
**ev3 B.V. Benelux**  
PH +31 (0) 433 659 223  
FX +31 (0) 433 650 283

**ev3 Technologies**  
Iberica, S.L. Spain  
PH +34 91 656 7154  
FX +34 91 656 7214

**ev3 S.r.l. Italy**  
PH +39 0267 977 61  
FX +39 0266 711 637  
  
**ev3 Nordic AB**  
PH +46 859 000 950  
FX +46 859 000 959

**ev3 Sp z o.o. Poland**  
PH +48 32 747 01 44  
FX +48 32 747 01 45

**ev3 GmbH Germany, Austria**  
PH +49 228 528 830  
FX +49 228 528 8360  
  
**ev3 Ltd. United Kingdom**  
PH +44 1279 659 900  
FX +44 1279 654 900

www.ev3.net

EC REP  
MediMark Europe Sarl  
BP 2132  
F-38033 Grenoble Cedex 2  
FRANCE

