The Original Gold Standard — Framing Coil

The MICRUSPHERE® Microcoil is a spherical coil designed to provide a stable, predictable frame and conform to a myriad of aneurysm shapes.

Unique Micrus® Loop Deployment
- Coil loops deploy in a 90° fashion, providing structure and stability to aneurysm dome and walls
- Enhanced neck coverage
- Anatomically compliant to the shape of each individual aneurysm

Balancing Stability with Softness
- Bench studies confirm that the MICRUSPHERE Microcoil is softer than the Boston Scientific GDC® 360° Soft SR and Standard Coils

Relative Softness Comparison
(As Measured by Spring Constant Bench Testing)†

- Less Soft
- More Soft

- Boston Scientific GDC 360° Standard
- Boston Scientific GDC 360° Soft SR Coil
- MICRUSPHERE Microcoil

† Data on file, Micrus Endovascular Corporation
### PLATINUM® MICROCOILS

<table>
<thead>
<tr>
<th>CATALOG NUMBER</th>
<th>SPHERICAL LOOP DIAMETER (SPH10)</th>
<th>OVERALL LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPH100200-20</td>
<td>2 mm</td>
<td>2.5 cm</td>
</tr>
<tr>
<td>SPH100250-20</td>
<td>2.5 mm</td>
<td>3.3 cm</td>
</tr>
<tr>
<td>SPH100300-20</td>
<td>3 mm</td>
<td>5.4 cm</td>
</tr>
<tr>
<td>SPH100350-20</td>
<td>3.5 mm</td>
<td>6.6 cm</td>
</tr>
<tr>
<td>SPH100400-20</td>
<td>4 mm</td>
<td>7.5 cm</td>
</tr>
<tr>
<td>SPH100500-20</td>
<td>5 mm</td>
<td>9.7 cm</td>
</tr>
<tr>
<td>SPH100600-20</td>
<td>6 mm</td>
<td>11.9 cm</td>
</tr>
<tr>
<td>SPH100620-20</td>
<td>6 mm</td>
<td>20 cm</td>
</tr>
<tr>
<td>SPH100700-20</td>
<td>7 mm</td>
<td>13.9 cm</td>
</tr>
<tr>
<td>SPH100720-20</td>
<td>7 mm</td>
<td>20 cm</td>
</tr>
<tr>
<td>SPH100800-20</td>
<td>8 mm</td>
<td>16.1 cm</td>
</tr>
<tr>
<td>SPH100825-20</td>
<td>8 mm</td>
<td>25 cm</td>
</tr>
<tr>
<td>SPH100900-20</td>
<td>9 mm</td>
<td>18.4 cm</td>
</tr>
<tr>
<td>SPH100925-20</td>
<td>9 mm</td>
<td>25 cm</td>
</tr>
<tr>
<td>SPH101000-20</td>
<td>10 mm</td>
<td>20.3 cm</td>
</tr>
<tr>
<td>SPH101030-20</td>
<td>10 mm</td>
<td>30 cm</td>
</tr>
</tbody>
</table>

**Recommended Microcatheter ID:** 0.014” – 0.017”

### CERECYTE® MICROCOILS

<table>
<thead>
<tr>
<th>CATALOG NUMBER</th>
<th>SPHERICAL LOOP DIAMETER (SPH10)</th>
<th>OVERALL LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSP100200-30</td>
<td>2 mm</td>
<td>2.5 cm</td>
</tr>
<tr>
<td>CSP100250-30</td>
<td>2.5 mm</td>
<td>3.3 cm</td>
</tr>
<tr>
<td>CSP100300-30</td>
<td>3 mm</td>
<td>5.4 cm</td>
</tr>
<tr>
<td>CSP100350-30</td>
<td>3.5 mm</td>
<td>6.6 cm</td>
</tr>
<tr>
<td>CSP100400-30</td>
<td>4 mm</td>
<td>7.5 cm</td>
</tr>
<tr>
<td>CSP100500-30</td>
<td>5 mm</td>
<td>9.7 cm</td>
</tr>
<tr>
<td>CSP100600-30</td>
<td>6 mm</td>
<td>11.9 cm</td>
</tr>
<tr>
<td>CSP100700-30</td>
<td>7 mm</td>
<td>13.9 cm</td>
</tr>
<tr>
<td>CSP100800-30</td>
<td>8 mm</td>
<td>16.1 cm</td>
</tr>
<tr>
<td>CSP100900-30</td>
<td>9 mm</td>
<td>18.4 cm</td>
</tr>
<tr>
<td>CSP101000-30</td>
<td>10 mm</td>
<td>20.3 cm</td>
</tr>
</tbody>
</table>

**Recommended Microcatheter ID:** 0.014” – 0.017”

### MICRUSPHERE® MICROCOILS

<table>
<thead>
<tr>
<th>CATALOG NUMBER</th>
<th>SPHERICAL LOOP DIAMETER (SPH18)</th>
<th>OVERALL LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSP180200-30</td>
<td>2 mm</td>
<td>2.7 cm</td>
</tr>
<tr>
<td>CSP180300-30</td>
<td>3 mm</td>
<td>5.8 cm</td>
</tr>
<tr>
<td>CSP180400-30</td>
<td>4 mm</td>
<td>7.9 cm</td>
</tr>
<tr>
<td>CSP180500-30</td>
<td>5 mm</td>
<td>10 cm</td>
</tr>
<tr>
<td>CSP180600-30</td>
<td>6 mm</td>
<td>12.2 cm</td>
</tr>
<tr>
<td>CSP180700-30</td>
<td>7 mm</td>
<td>14.3 cm</td>
</tr>
<tr>
<td>CSP180800-30</td>
<td>8 mm</td>
<td>13.6 cm</td>
</tr>
<tr>
<td>CSP180900-30</td>
<td>9 mm</td>
<td>15.3 cm</td>
</tr>
<tr>
<td>CSP181000-30</td>
<td>10 mm</td>
<td>17.1 cm</td>
</tr>
<tr>
<td>CSP181100-30</td>
<td>11 mm</td>
<td>18.9 cm</td>
</tr>
<tr>
<td>CSP181200-30</td>
<td>12 mm</td>
<td>20.7 cm</td>
</tr>
<tr>
<td>CSP181300-30</td>
<td>13 mm</td>
<td>22.6 cm</td>
</tr>
<tr>
<td>CSP181400-30</td>
<td>14 mm</td>
<td>24.3 cm</td>
</tr>
<tr>
<td>CSP181500-30</td>
<td>15 mm</td>
<td>26 cm</td>
</tr>
<tr>
<td>CSP181600-30</td>
<td>16 mm</td>
<td>27.9 cm</td>
</tr>
<tr>
<td>CSP181700-30</td>
<td>17 mm</td>
<td>30 cm</td>
</tr>
<tr>
<td>CSP181800-30</td>
<td>18 mm</td>
<td>30 cm</td>
</tr>
</tbody>
</table>

**Recommended Microcatheter ID:** 0.017” – 0.021”

---

**Caution:** Federal (U.S.A.) law restricts this device to sale by or on the order of a physician.

MICRUS, MICRUS ENDOVASCULAR, MICRUSPHERE, CERECYTE, and the M logo are registered trademarks of Micrus Endovascular Corporation.

IT’S INSIDE and the purple coil logo are trademarks of Micrus Endovascular Corporation.

GDC is a registered trademark of Boston Scientific Corporation.

© 2008 Micrus Endovascular Corporation. All rights reserved.
Start with Stability

Micrus Microcoils provide a stable, predictable frame while leaving an open core ready for your next coil. This makes them an ideal choice for the Russian Doll technique. Here’s why.

One Loop at a Time

Micrus coils deploy outward, one loop at a time, toward the aneurysm walls. This allows the entire coil to conform to the shape of each individual aneurysm, while providing a predictable frame.

MICRUS® Microcoils 8 mm x 13.6 cm

Designed to provide enhanced stability

Segments cross through center core

Competitive microcoil 8 mm x 20 cm

• Less structure
• Multiple compartments

MICRUS® Microcoils


Accessories:

EnPower® Detachment Control Box
Detachment Control Box
Connecting Cable

Features:

• One Loop at a Time
• Designed to provide enhanced stability
• Segments cross through center core

Competitive microcoil

• Less structure
• Multiple compartments

REFERENCES:


Start with Stability

Micrus Microcoils provide a stable, predictable frame while leaving an open core ready for your next coil. This makes them an ideal choice for the RUSSIAN DOLL technique. Here's why.

One Loop at a Time

Micrus coils deploy outward, one loop at a time, toward the aneurysm walls. This allows the entire coil to conform to the shape of each individual aneurysm, while providing a predictable frame.

**MICRUSPHERE Microcoil 8 mm x 13.6 cm**

- Designed to provide enhanced stability
- Segments cross through center core

**Competitive Microcoil 8 mm x 20 cm**

- Micrus Microcoils: MICRUSPHERE®, PRESIDIO®, CASHMERE™, ULTIPAQ®, HELIPAQ®, INTERPAQ®

**Accessories:**

- EnPower™ Detachment Control Box
- Connecting Cable

---

**REFERENCES:**


---

**Optimize Neck Coverage**

Improved neck protection with the PRESIDIO Microcoil

The anatomically compliant frame and high shape memory of Micrus Microcoils are designed to improve neck coverage and provide:

- Stablescaffolding that coversthe neck
- Filling of openspaces, especially in region of aneurysmal neck
- Little risk of coil protrusion through the neck, even in wide necks
- Little risk of frame deformation

Neck coverage is optimized with the PRESIDIO Microcoil, especially when used in the Russian Doll technique. The coil is a stable frame and an excellent filling coil, which has enabled us to coil many wide-necked aneurysms without the need for a stent.

Avery Evans, MD, University of Virginia

---

**NECK REMNANTS OBSERVED ANGIOGRAPHICALLY AFTER COILING TRIPLE RISK OF COMPACTION AND RECANALIZATION.**
Shape Matters

From the precise placement of your first microcoil to the last finishing coil, shape matters. In fact, studies have shown the clinical benefits of using spherical or complex-shaped coils in a concentric fashion—known as the RUSSIAN DOLL—coiling technique.

Micrus® Microcoils

Micrus Microcoils have a unique shape technology designed to enhance the benefits of RUSSIAN DOLL coiling: stability, neck coverage, and dense packing.

Open Core

The outward deployment of Micrus Microcoils minimizes “section” or “segment” coiling, potentially reducing compaction, and limits loops from random herniation into the parent vessel.

Maximize Packing Density

Studies suggest that greater packing volumes and improved filling may be achieved with the RUSSIAN DOLL coiling technique.

Micrus bench studies have also confirmed that higher packing densities can be achieved when Micrus coils are packed using the RUSSIAN DOLL technique. This may lead to less compartmentalization and compaction.

The use of three-dimensional Micrus coils proved to be superior to improving coil packing and angiographic and volumetric occlusion of aneurysms...at the time of treatment, provided the largest number of three-dimensional coils were then packed.
Shape Matters

From the precise placement of your first microcoil to the last finishing coil, shape matters. In fact, studies have shown the clinical benefits of using percutaneous coil implantation only in a concentric fashion—known as the RUSSIAN DOLL™ Coiling technique.

Micrus® Microcoils

Micrus Microcoils have a unique shape technology designed to enhance the benefits of RUSSIAN DOLL Coiling: stability, neck coverage, and dense packing.

Maximize Packing Density

Studies suggest that greater packing volumes and improved filling may be achieved with the RUSSIAN DOLL coiling technique. Micrus bench studies have also confirmed that higher packing densities can be achieved when Micrus coils are packed using the RUSSIAN DOLL technique. This may lead to less compartmentalization and compaction.

Open Core

The outward deployment of Micrus Microcoils restrains "sinking" or "segmenting" coiling, potentially reducing compaction, and limits the development of herna into the parent vessel.

Two microcoils with core open for additional packing

The use of three-dimensional Micrus coils proved to be useful for improving coil packing and angiographic and volumetric occlusion of aneurysms...at the time of treatment, provided the largest number of three-dimensional coils were first positioned.
Start with Stability

Micrus Microcoils provide a stable, predictable frame while leaving an open inner core ready for your next coil. This makes them an ideal choice for the RUSSIAN DOLL technique. Here’s why.

One Loop at a Time

Micrus coils deploy outward, one loop at a time, toward the aneurysm walls. This allows the entire coil to conform to the shape of each individual aneurysm, while providing a predictable frame.

Loops deploy outward in a complete circle toward aneurysm periphery.

Each loop abuts the prior loop bearing an open core.

Most loops deploy in “horseshoe-shaped” increments.

“Horseshoe” loops bend more freely and may provide less structure and create multiple compartments.

MICRUS SPHERE Microcoil 8 mm x 13.6 cm

Designed to provide enhanced stability.

Segments cross through center core.

Competitive microcoil 8 mm x 20 cm

Micrus® Microcoils:

MICRUS SPHERE® Microcoil

PRESIDIO® Microcoil

CASHMERE™ Microcoil

ULTIPAQ® Microcoil

HELIPAQ® Microcoil

INTERPAQ® Microcoil

Accessories:

EnPower™ Detachment Control Box

Detachment Control Box Connecting Cable

www.micruscorp.com

CAUTION: Federal (U.S.A.) law restricts this device to sale by or on the order of a physician.

MICRUS, MICRUS ENDOVASCULAR, PRESIDIO, MICRUS SPHERE, ULTIMAQ, HELIPAQ, INTERPAQ, and the Micra logo are registered trademarks of Micrus Endovascular Corporation.

Russian Doll, frilling, CASHMERE, and EnPower are trademarks of Micrus Endovascular Corporation.

© 2008 Micrus Endovascular Corporation. All rights reserved.

Avenue des Baumettes 7
1020 Renens
Switzerland
T +41.21.631.3434
F +41.21.631.3444

821 Fox Lane
San Jose, CA 95131
United States
T 408.433.1400
F 408.433.1401

1st Floor, Unit 4
Stansted Courtyard
Takeley
Bishop’s Stortford
Essex CM22 6PU
United Kingdom
T +44.800.612.6363
F +44.800.612.8484

REFERENCES:


Optimize Neck Coverage

Neck coverage is optimized with the PRESIDIO Microcoil, especially when used in the Russian Doll technique. The coil is a stable frame and an excellent filling coil, which has enabled us to coil many wide-necked aneurysms without the need for a stent.

Avery Evans, MD, University of Virginia

Neck remnants observed angiographically after coilings often show a high risk of compaction and recanalization. 4

MIT X 1.000 0.000 0
Start with Stability
Micrus Microcoils provide a stable, predictable frame while leaving an open inner core ready for your next coil. They make them an ideal choice for the RUSSIAN DOLL technique. Here's why.

One Loop at a Time
Micrus coils deploy outward, one loop at a time, toward the aneurysm walls. This allows the entire coil to conform to the shape of each individual aneurysm, while providing a predictable frame.

Optimize Neck Coverage
Neck remnants observed angiographically after coiling triple the risk of compaction and recanalization.

MICRUSPHERE Microcoil
PRESIDIO® Microcoil
CASHMERE® Microcoil
ULTIPAG® Microcoil
HELIAPAG® Microcoil
INTERPAQ® Microcoil

Accessories:
EnPower™ Detachment Control Box
Detachment Control Box
Connecting Cable

REFERENCES: