

# WEB™

## Aneurysm Embolization System

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### INDICATIONS FOR USE:

The WEB Aneurysm Embolization System is intended for the endovascular embolization of ruptured and unruptured intracranial aneurysms and other neurovascular abnormalities such as arteriovenous fistulae (AVF). The WEB Aneurysm Embolization System is also intended for vascular occlusion of blood vessels within the neurovascular system to permanently obstruct blood flow to an aneurysm or other vascular malformation. The device should only be used by physicians who have undergone training in all aspects of the WEB Aneurysm Embolization System procedures as prescribed by MicroVention, Inc.

### CONTRAININDACTIONS:

The WEB Aneurysm Embolization System is contraindicated for patients with known bacterial infection that may interfere with or negatively affect the implantation procedure and patients with known hyper-sensitivity to nickel. For complete indications, contraindications, potential complications, warnings, precautions, and instructions, see instructions for use (IFU provided in the device).  
The WEB consists of nitinol wires with a platinum core.

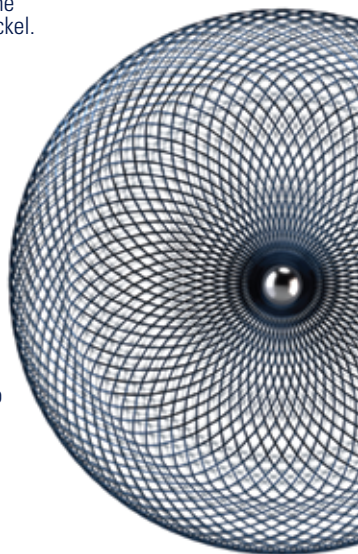
**Caution: Federal law restricts these devices to sale by or on the order of a physician**

Before MRI, you must show this card to your doctor who should assess potential risks and consider the information below.

 **MR Conditional**

There is no expected limitation to the WEB device lifetime. However if unexpected symptoms occur, please consult your physician. Any serious incident that occurs in relation to the WEB device should be reported to MicroVention and to the Therapeutic Goods Administration.

[www.tga.gov.au](http://www.tga.gov.au)



An Innovative Treatment  
for BRAIN ANEURYSMS

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# Understanding Brain Aneurysms



## What is a Brain Aneurysm?

A brain aneurysm is an abnormal bulging or ballooning of a blood vessel in the brain called an artery.

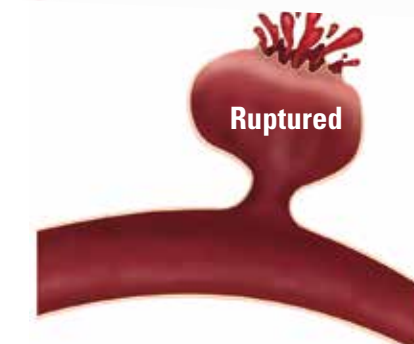
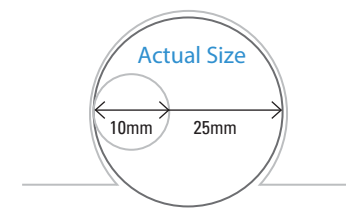
- The bulging or ballooning is caused by weakness in the vessel wall
- Aneurysms are filled with blood and in some circumstances may rupture
- Ruptured brain aneurysms have potentially serious consequences including:
  - Severe Functional Disability
  - Cognitive Loss
  - Death
- Factors that contribute to the development of aneurysms include:
  - Family History
  - Previous Aneurysms
  - Smoking
  - Drug Use
  - Oral Contraceptives
  - High Blood Pressure
  - Heavy Alcohol Consumption



## Aneurysm Types

Brain aneurysms can be classified according to their size and shape.

Small	Up to 10mm
Large	10-25mm
Giant	Larger than 25mm



# Treatment Options

The goal of treatment is to seal off the aneurysm from blood flow to prevent rupture or rebleeding.



## Surgical Clipping

This method requires the opening of the skull to access the brain and blood vessels.

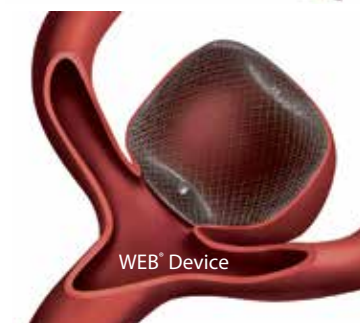
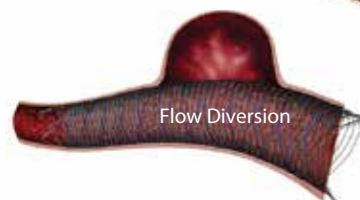
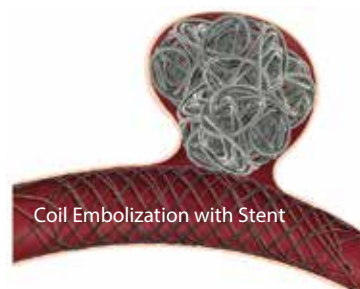
- The surgeon blocks blood flow to the aneurysm by applying a small metal clip to its base



## Endovascular Therapies

These minimally invasive techniques access and treat brain aneurysms through the blood vessels, without opening the skull.

- There are three main types of endovascular therapies:
  - **Coil embolization with or without a stent**
  - **Flow diversion**
  - **WEB® Aneurysm Embolization System**
- The treatment option recommended by your physician may be based on your aneurysm location, size, and shape



## WEB – Aneurysm Embolization System

The WEB device is a tiny basket-like device made from ultra-fine wires braided together to form a flexible self-expanding mesh.

- The WEB device is intended to treat wide neck bifurcation aneurysms in certain areas of the brain and designed to:
  - **Treat challenging aneurysms that often require multiple implants with a single device**
  - **Avoid the placement of a stent device inside the brain artery**
  - **Complete an endovascular aneurysm treatment with a shorter procedure time than alternative therapies**
  - **Possibly reduce medication taken after the procedure**



# WEB™ Device Procedure

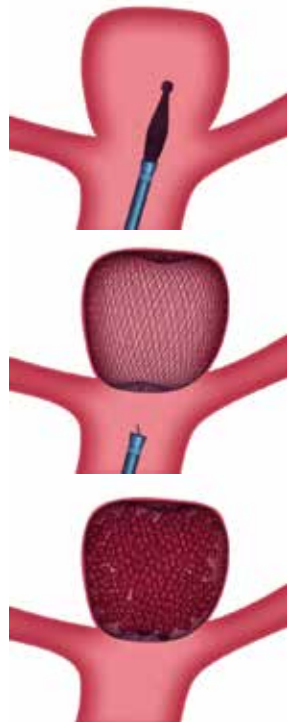
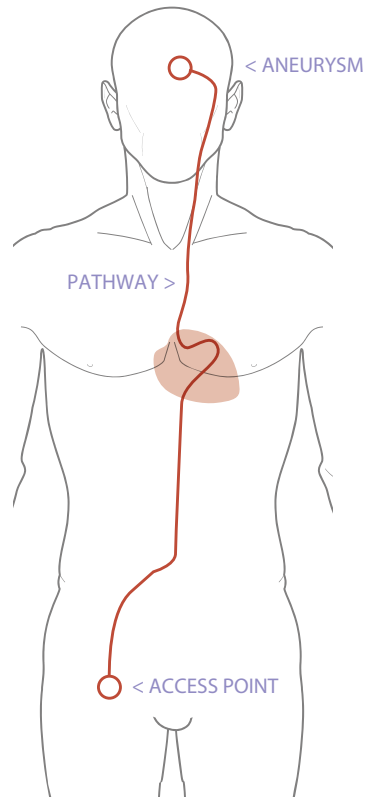


## Before the Procedure

- Final preparations before the WEB device procedure will include additional tests, special medicines and preparation of the groin puncture site.

## During the Procedure

- This procedure is usually performed under general anesthesia.
- A small puncture will be made in your groin to access the femoral artery.



The physician will advance a micro-catheter into the aneurysm.

The WEB device will then be deployed through the micro-catheter into the aneurysm.

The WEB device stops blood from entering the aneurysm, allowing the aneurysm to occlude over time.

## After the Procedure

- You can expect to remain in the hospital for one to several days depending on your condition.
- You may experience mild discomfort around the groin puncture site.
- Your physician will monitor the treated aneurysm over time to ensure it is healing properly.
- Your doctor will provide you with an MRI card that explains how the WEB device will behave under various medical scans.

## Symptoms to Watch for

If you experience any of the following symptoms, seek medical attention immediately:

- A post-procedure headache that becomes very severe
- Drowsiness
- Severe neck stiffness
- Any neurological impairment including:
  - **Difficulty Speaking**
  - **Difficulty Moving**
  - **Visual Disturbances**



# WEB SL

Name	Ref No.	Diameter (mm)	Height (mm)	Recommended Catheter
WEB SL 3x2	W5-3-2	3	2	VIA 17
WEB SL 3.5x2	W5-3.5-2	3.5	2	
WEB SL 4x2	W5-4-2	4	2	
WEB SL 4x3	W5-4-3	4	3	
WEB SL 4.5x2	W5-4.5-2	4.5	2	
WEB SL 4.5x3	W5-4.5-3	4.5	3	
WEB SL 5x2	W5-5-2	5	2	
WEB SL 5x3	W5-5-3	5	3	
WEB SL 6x3	W5-6-3	6	3	
WEB SL 6x4	W5-6-4	6	4	
WEB SL 7x3	W5-7-3	7	3	
WEB SL 7x4	W5-7-4	7	4	
WEB SL 7x5	W5-7-5	7	5	
WEB SL 6x3	W4-6-3	6	3	
WEB SL 6x4	W4-6-4	6	4	
WEB SL 7x3	W4-7-3	7	3	
WEB SL 7x4	W4-7-4	7	4	
WEB SL 7x5	W4-7-5	7	5	
WEB SL 8x3	W2-8-3	8	3	VIA 27
WEB SL 8x4	W2-8-4	8	4	
WEB SL 8x5	W2-8-5	8	5	
WEB SL 8x6	W2-8-6	8	6	
WEB SL 9x4	W2-9-4	9	4	
WEB SL 9x5	W2-9-5	9	5	
WEB SL 9x6	W2-9-6	9	6	
WEB SL 9x7	W2-9-7	9	7	
WEB SL 10x5	W2-10-5	10	5	VIA 33
WEB SL 10x6	W2-10-6	10	6	
WEB SL 10x7	W2-10-7	10	7	
WEB SL 10x8	W2-10-8	10	8	
WEB SL 11x6	W2-11-6	11	6	
WEB SL 11x7	W2-11-7	11	7	
WEB SL 11x8	W2-11-8	11	8	
WEB SL 11x9	W2-11-9	11	9	

# WEB SLS

Name	Ref No.	Diameter (mm)	Height (mm)	Recommended Catheter
WEB SLS 4	W5-4-S	4	2.6	VIA 17
WEB SLS 5	W5-5-S	5	3.6	
WEB SLS 6	W5-6-S	6	4.6	
WEB SLS 7	W5-7-S	7	5.6	
WEB SLS 6	W4-6-S	6	4.6	
WEB SLS 7	W4-7-S	7	5.6	
WEB SLS 8	W2-8-S	8	6.6	VIA 27
WEB SLS 9	W2-9-S	9	7.6	
WEB SLS 10	W2-10-S	10	8.6	VIA 33
WEB SLS 11	W2-11-S	11	9.6	