# POD System



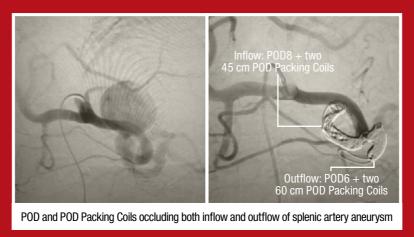


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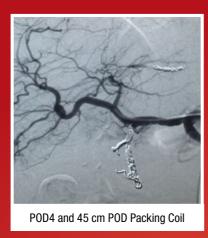
# **POD®** System Case Examples



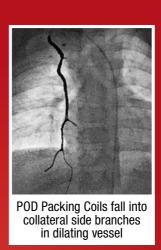
**Bronchial Artery Embolization**Dr. Amit Kakkar and Dr. Aksim Rivera, Bronx, NY



**Splenic Artery Sacrifice**Dr. Derek Mittleider, Portland, ME



GDA Sacrifice
Dr. Trushar Patel, Newport Beach, CA



**Pre Fontan Embolization** Dr. Saar Danon, St. Louis, MO

# The POD® System



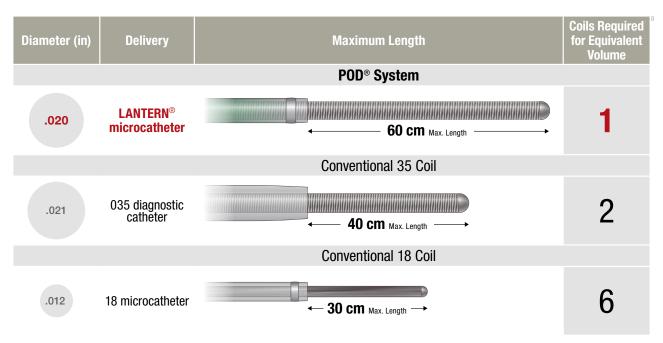
# delivers confident vessel sacrifice...

# **Dense Packing**

Soft, shapeless design allows tight packing in any vessel size



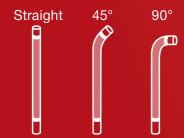
# **Volume Advantage**



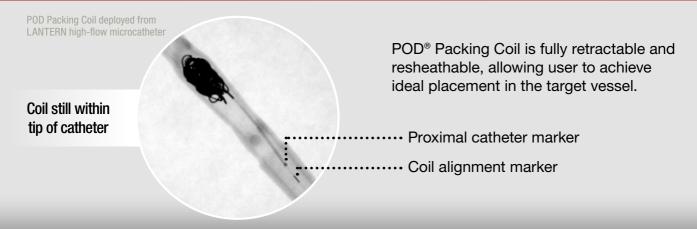
# through your high-flow microcatheter

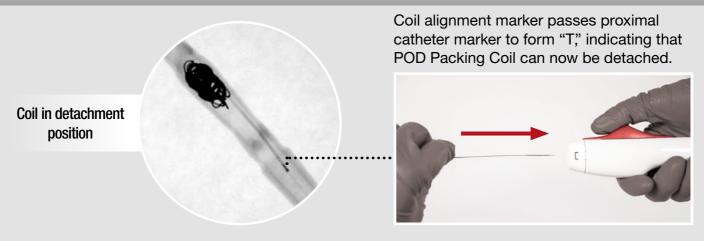
## **LANTERN®** Microcatheter

The POD® System is designed to be delivered through a high-flow microcatheter, proving the ability to mechanically occlude even extremely distal vessels.



# **Precision Mechanical Detachment**

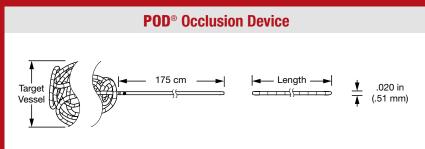




# POD System

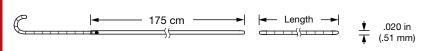
- Deploy POD device backstop
- Choose desired length of POD Packing Coil

### **POD® System** Ordering Information



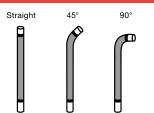
Catalog Number	Product	Target Vessel (mm)	Length (cm)
RBYPOD4	POD4	3.25-4	30
RBYPOD5	POD5	4-5	30
RBYPOD6	POD6	5–6	50
RBYPOD8	POD8	6–8	60

### **POD® Packing Coil**



Catalog Number	Product	Length (cm)
RBYPODJ15	POD® Packing Coil J-Soft 15 cm	15
RBYPODJ30	POD Packing Coil J-Soft 30 cm	30
RBYPODJ45	POD Packing Coil J-Soft 45 cm	45
RBYPODJ60	POD Packing Coil J-Soft 60 cm	60

### **LANTERN® Delivery Microcatheter**



Catalog Number	Tip Shape	Length (cm)	ID (in)
PXSLIMLAN115STR	Straight		
PXSLIMLAN115T45	45°	115	.025
PXSLIMLAN115T90	90°		
PXSLIMLAN135STR	Straight		
PXSLIMLAN135T45	45°	135	.025
PXSLIMLAN135T90	90°		
PXSLIMLAN150STR	Straight		
PXSLIMLAN150T45	45°	150	.025
PXSLIMLAN150T90	90°		

### POD® Detachment Handle



Catalog Number	Product
PODH1	Detachment Handle

### Product availability varies by country.

Please contact your local Penumbra representative for more information.

Tests performed and data on file at Penumbra, Inc. Bench test results may not be indicative of clinical

Caution: Federal (USA) law restricts this device to sale by or on the order of a physician. Prior to use, please refer to the Instructions for Use for the Penumbra Delivery Microcatheters and POD System for complete product indications, contraindications, warnings, precautions, potential adverse events and detailed instructions for use.

Indication For Use POD® is indicated for the endovascular embolization of:

- Intracranial aneurysms
   Other neurovascular abnormalities such as arteriovenous malformations and arteriovenous fistulae

Contraindications
There are no known contraindications.

The Penumbra POD System should only be used by physicians who have received appropriate training in interventional techniques.

The device is intended for single use only. Do not resterilize or reuse. Resterilization and/or reuse may compromise

- the structural integrity of the device or increase the risk of contamination or infection leading to device failure and/or cross-infection and potential patient injury, illness or death. Do not use kinked or damaged devices. Do not use pened or damaged packages. Return all damaged devices and packaging to the manufacturer/distributor. Use prior to the "Use By" date.

  \*\*Use device in conjunction with fluoroscopic guidance.\*\*
  \*\*Do not advance or retract the device against resistance without careful assessment of the cause using fluoros copy. If POD cannot be advanced or retracted, withdraw the device as unit with the microcatheter.

  \*\*Moving or torquing the device against resistance may result in damage to the vessel or device.\*\*
- Maintain a constant infusion of an appropriate flush solution

Potential Adverse Events
Potential complications include but are not limited to:
Acute occlusion, air embolism, alergic reaction and
anaphylaxis from contrast media, aneurysm rupture,
arteriovenous fistula, coagulopathy, coil herriation into
parent vessel, death, device malfunction, distal embolizatio,
emboli, embolic stroke and other cerebral ischemic events
false aneurysm formation, hematoma or hemorrhage at
access site of entry, incomplete aneurysm occlusion,
infection, intima dissection, intracranial hemorrhage,
ischemia mycardial infarction neurological deficits ischemia, mund acceptation, neurological deficits including stroke, parent artery occlusion, peripheral thromboembolic events, post-embolization syndrome, premature device detachment, recanalization, renal failure,

The Penumbra Delivery Microcatheters are indicated to assist in the delivery of diagnostic agents, such as contrast media, and therapeutic devices, such as occlusion coils, to the peripheral and neuro vasculature.

The Penumbra Delivery Catheters should only be used by physicians who have received appropriate training in interventional techniques.

- Precautions

   The devices are intended for single use only, Do not resterilize or reuse. Resterilization and/or Reuse may result in ineffective catheter coating lubrication, which may result in high friction and the inability to access the target location.
- Do not use kinked or damaged devices. Do not use open or damaged packages. Return all damaged devices and packaging to the manufacturer / distributor.
   Use prior to the "Use By" date.
   Use the Penumbra Delivery Catheters in conjunction with fluoroscopic visualization.
- Do not advance or withdraw the Penumbra Delivery Catheters against resistance without careful assessmen of the cause using fluoroscopy. If the cause cannot be determined, withdraw the device. Moving or torquing the device against resistance may result in damage to the
- If flow through the device becomes restricted, do not attempt to clear the lumen by infusion. Remove and replace the device.

# Penumbra

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