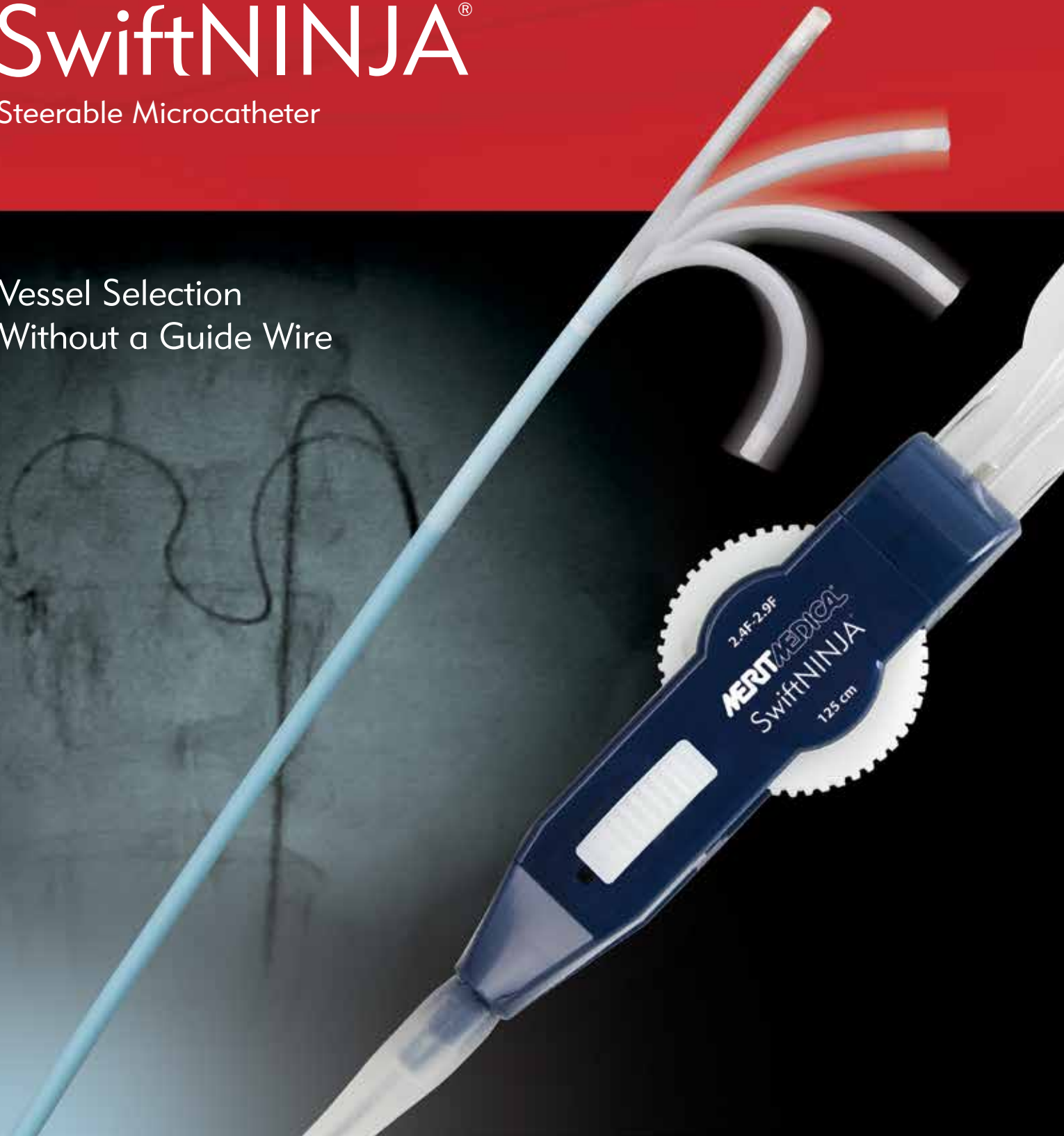




# SwiftNINJA<sup>®</sup>

Steerable Microcatheter

Vessel Selection  
Without a Guide Wire



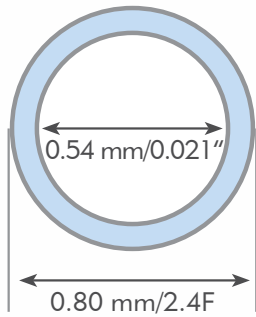
# SwiftNINJA<sup>®</sup>

Steerable Microcatheter

## SWIFTNINJA

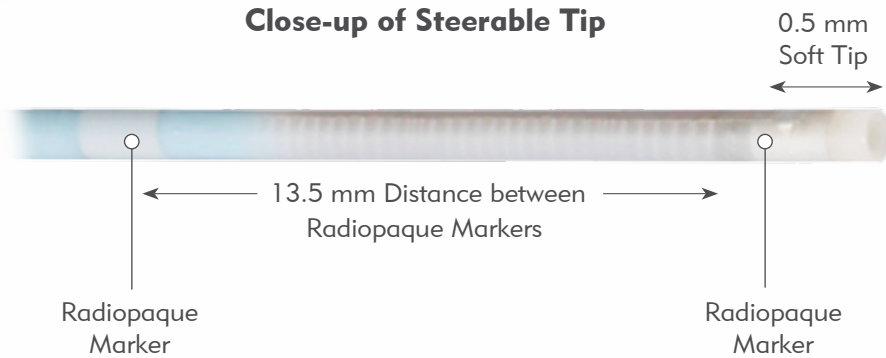
The most advanced and only 180° articulating microcatheter on the market today. Speed, Control and Delivery at your fingertips.

### Distal Tip Cross Section



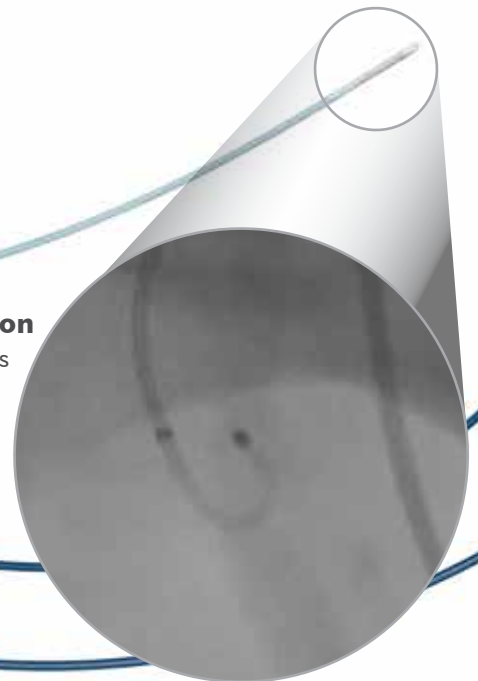
**Hydrophilic coating**  
on distal 80 cm

### Close-up of Steerable Tip



### Fluoroscopic Visualization

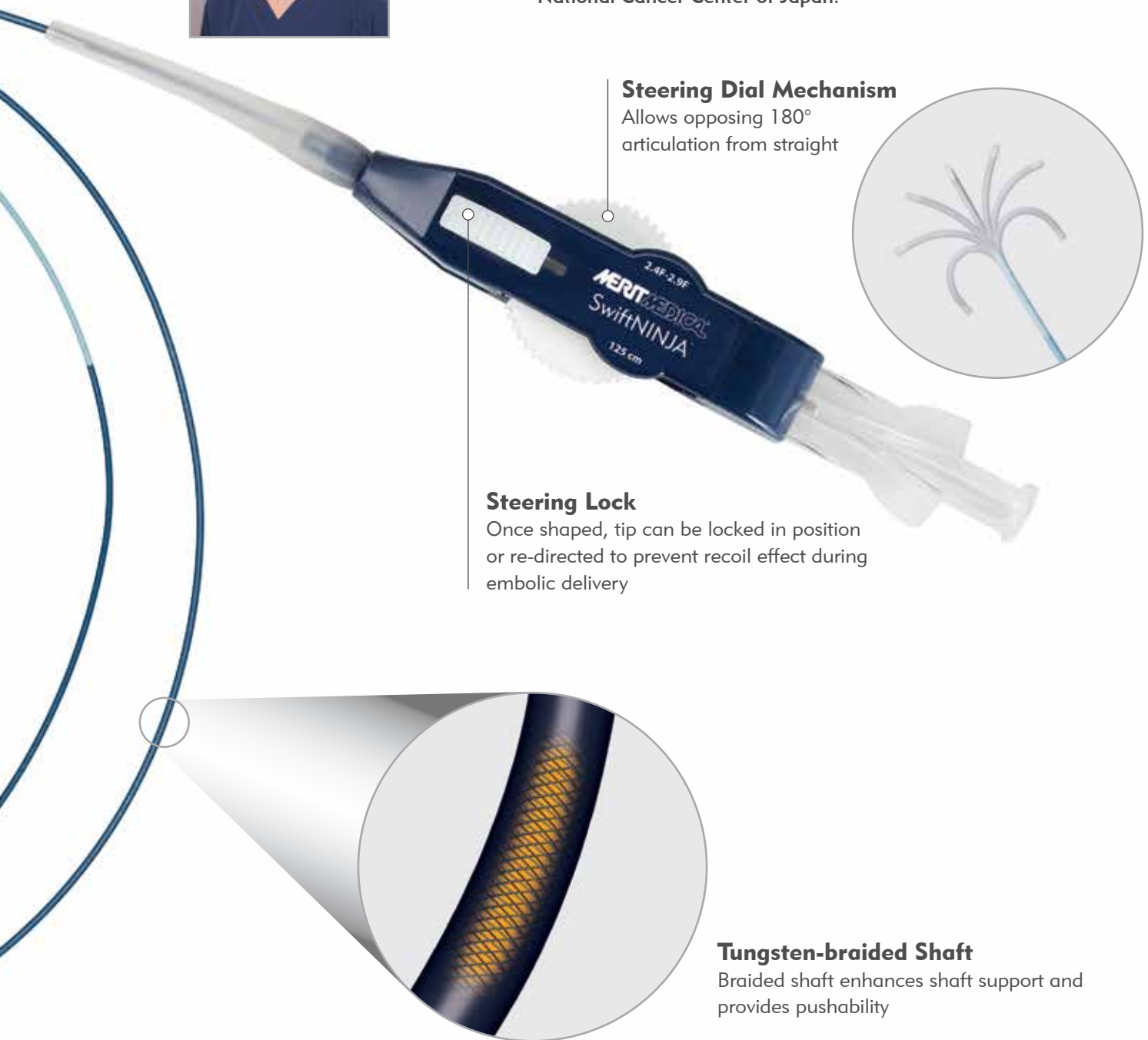
Two radiopaque marker bands for enhanced navigation and tip placement





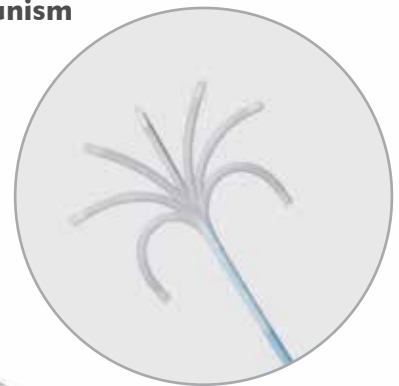
*"The frequent insertion and removal of guidewires during superselective catheterisation can be minimised by using a microcatheter with an articulating tip. Using a SwiftNINJA can potentially simplify and shorten the procedure.\*"*

— Dr. Yasuaki Arai, Chief, Department of Diagnostic Radiology,  
National Cancer Center of Japan.



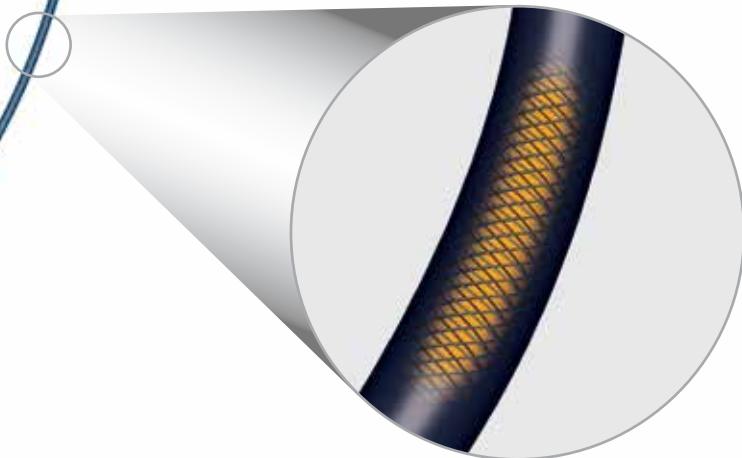
**Steering Dial Mechanism**

Allows opposing 180° articulation from straight



**Steering Lock**

Once shaped, tip can be locked in position or re-directed to prevent recoil effect during embolic delivery



**Tungsten-braided Shaft**

Braided shaft enhances shaft support and provides pushability

# SwiftNINJA®

Steerable Microcatheter

SwiftNINJA, a straight tip catheter that articulates up to 180 degrees in opposing directions to rapidly select the most challenging vascular ostium. Speed, Control and Delivery at your fingertips.

## Catheter Specifications

Part Number	Outer Diameter Proximal Portion	Outer Diameter Distal Portion	Usable Length	Hydrophilic Coating Length	Distance From Tip To 1 <sup>st</sup> Markerband	Distance Between 1 <sup>st</sup> And 2 <sup>nd</sup> Markerbands	Recommended Guide Cath. ID	Inner Diameter	Max. Guide wire	Max. Injection Pressure	Max. Micro-sphere Size	Max. Coil Size	Cath Vol.
MIV-20500	2.9F (0.97 mm)	2.4F (0.80 mm)	125 cm	80 cm	0.5 mm	13.5 mm	0.042" - 0.043" (1.07 mm - 1.09mm)	0.021" (0.54 mm)	≤ 0.018" (0.46 mm)	6,900 kPa (1,000 psi)	700 µm	.018" (0.46 mm)	0.49 mL

## Microsphere Compatibility

### QuadraSphere® Microspheres

Dry Particle Size Range	Hydrated Size Range	Color Code	Product Number
30-60 µm	120-240 µm	Orange	V225QS
50-100 µm	200-400 µm	Green	V325QS
100-150 µm	400-600 µm	Blue	V525QS



### Embosphere® Microspheres

Size Range	Color Code	Code pre-filled syringe, 2 mL volume
50-100 µm	Gray	S020GH
40-120 µm	Orange	S120GH
100-300 µm	Yellow	S220GH
300-500 µm	Blue	S420GH
500-700 µm	Red	S620GH



## Catheter Preparation for Use

To activate the hydrophilic coating: Flush the catheter with heparinized saline via the standard luer BEFORE removal from the protective catheter sleeve.

To Unlock Steering Dial (white wheel): Hold the lower housing body and gently pull the steering dial toward the luer connector until a clicking sound is heard.



Prior to attempting catheter tip movement or deflection, you must engage the steering dial

## Ordering Information:

Part Number	Description
MIV-20500	SwiftNINJA® Steerable Microcatheter 2.9F-2.4F 125 cm



Before using, refer to Instructions for Use for indications, contraindications, warnings, precautions and directions for use.



Understand. Innovate. Deliver.™

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