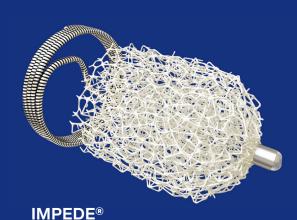
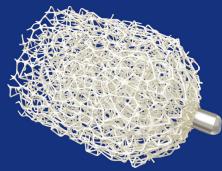
Shape Memory Polymer Expanding embolization solutions





Embolization Plug



IMPEDE-FX
Embolization Plug



The science of Shape Memory Polymer

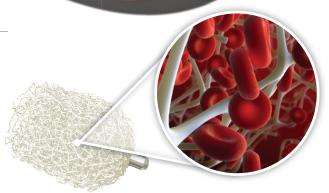
PREDICTABLE SPACE FILL

Uniform, high volume space fill Controlled deployment and fill Compliant, conformable material



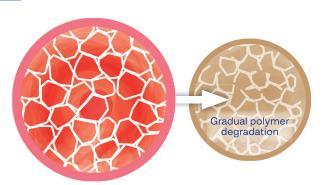
STABLE CLOT FORMATION

Thrombus formation throughout porous embolic scaffold[‡]



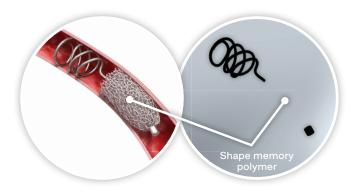
PROGRESSIVE HEALING

Conversion of acute thrombus to mature connective tissue No chronic, active inflammation[‡] Gradual, steady rate of shape memory polymer degradation[‡]



CLEAR IMAGING

Radiolucent shape memory polymer facilitates procedural and follow-up imaging of surrounding anatomy



Shape Memory Polymer family Peripheral vascular embolization

IMPEDE Embolization Plug

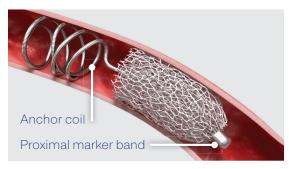
Up to **1.25 mL** volume fill capacity

Nitinol anchor coil for secure positioning

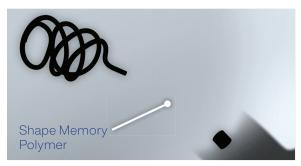
Beneficial in high flow conditions



Maximum space-filling



Stable occlusion & minimal artifact



IMPEDE-FX Embolization Plug

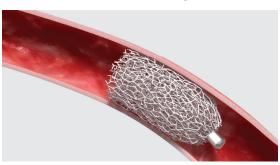
Up to **1.25 mL** volume fill capacity

Short landing zone required

Minimal radial force for low vessel trauma



Maximum space-filling



Stable occlusion & minimal artifact





Dimensions & details

			IMPEDE			IMPEDE-FX		
CRIMPED								
EXPANDED								
			IMP-05	IMP-07	IMP-10	IMP-FX-06	IMP-FX-08	IMP-FX-12
Vessel diameter		mm	2 - 5	4 - 7	6 – 10	-	-	_
Proximal marker diameter		inch mm	.032 0.81	.046 1.17	.065 1.65	.032 0.81	.046 1.17	.065 1.65
Expanded SMP plug diameter		mm	6	8	12	6	8	12
SMP plug length		mm	10	10	15	10	10	15
Anchor coil diameter		mm	7	9	13	-	-	_
Catheter ID*	min max	inch	.038 .057	.055 .071	.070 .090	.038 .057	.055 .071	.070 .090
	min max	mm	0.97 1.45	1.40 1.80	1.78 2.29	0.97 1.45	1.40 1.80	1.78 2.29
Compatible IMPEDE			Not applicable			IMP-05	IMP-05 IMP-07	IMP-05 IMP-07 IMP-10

SMP, shape memory polymer.

INDICATION: The IMPEDE Embolization Plug is indicated to obstruct or reduce the rate of blood flow in the peripheral vasculature.

INDICATION: The IMPEDE-FX Embolization Plug is indicated for use with the IMPEDE Embolization Plug to obstruct or reduce the rate of blood flow in the peripheral vasculature.

CAUTION: Federal (U.S.A.) law restricts this device to sale by or on the order of a physician. Indications, contraindications, warnings and instructions for use can be found in the product labeling supplied with each device.

 \ddagger Evidence from preclinical studies. The images are illustrative and do not represent actual vessel anatomy, nor the actual size of any products.

Patent: www.shapemem.com/patents

Shape Memory Medical, IMPEDE is a registered trademarks of Shape Memory Medical, Inc.

www.shapemem.com



^{*}Catheter recommendations based on .035" guidewire.