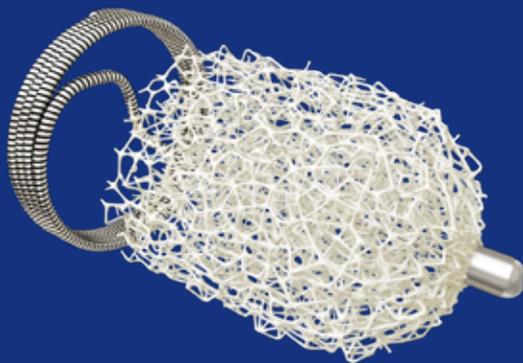


Shape Memory Polymer

Expanding embolization solutions

Space-filling embolization technology



IMPEDE®
Embolization Plug



IMPEDE-FX
Embolization Plug

The science of Shape Memory Polymer

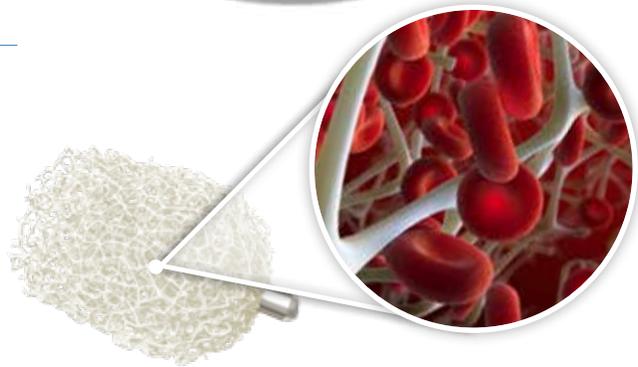
PREDICTABLE SPACE FILL

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



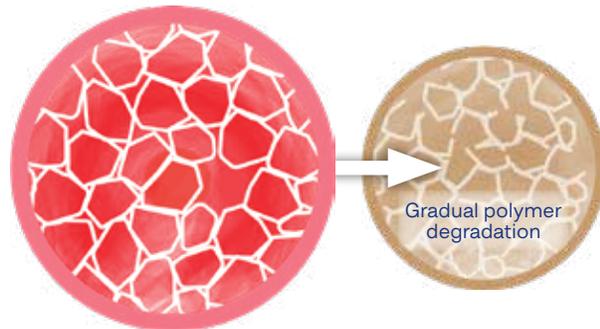
STABLE CLOT FORMATION

Thrombus formation throughout
porous embolic scaffold[†]



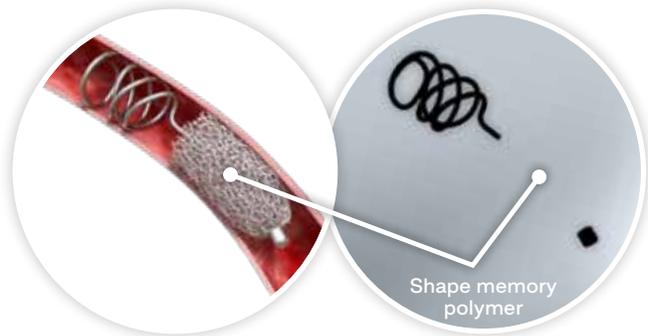
PROGRESSIVE HEALING

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

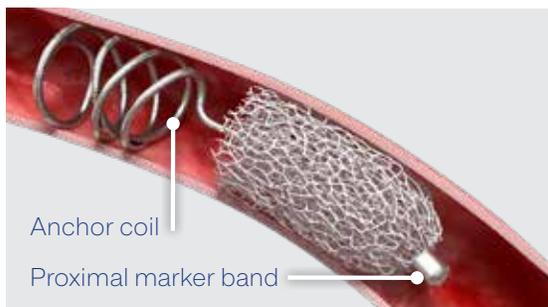
Peripheral vascular embolization

IMPEDE Embolization Plug

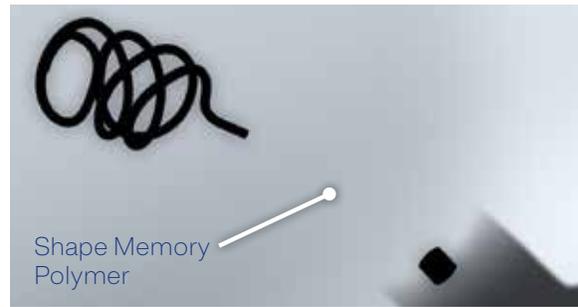
Up to **1.25 mL** volume fill capacity
Nitinol anchor coil for secure positioning
Beneficial in high flow conditions



Maximum space-filling



Stable occlusion & minimal artifact

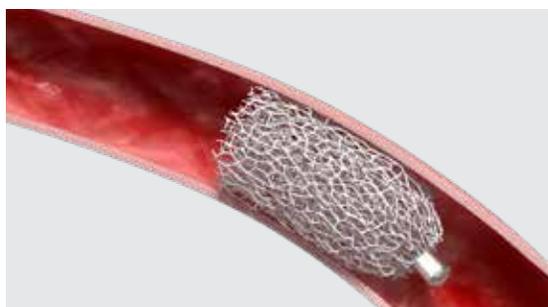


IMPEDE-FX Embolization Plug

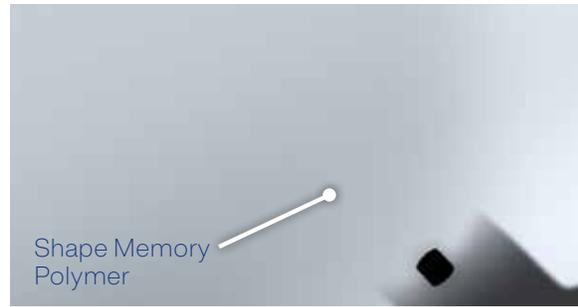
Up to **1.25 mL** volume fill capacity
Short landing zone required
Minimal radial force for low vessel trauma



Maximum space-filling



Stable occlusion & minimal artifact



*For illustrative purposes only, IMPEDE-FX is indicated for use in combination with IMPEDE

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	.032	.046	.065	.032	.046	.065	
	mm	0.81	1.17	1.65	0.81	1.17	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	inch	.038	.055	.070	.038	.055	.070
	max		.057	.071	.090	.057	.071	.090
	min	mm	0.97	1.40	1.78	0.97	1.40	1.78
	max		1.45	1.80	2.29	1.45	1.80	2.29
Compatible IMPEDE	Not applicable			IMP-05	IMP-05 IMP-07	IMP-05 IMP-07 IMP-10		

SMP, shape memory polymer.

*Catheter recommendations based on .035" guidewire.

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.

‡ 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

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