

MVP™  
device

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Patient  
outcomes

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MVP™  
advantages

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Competitors

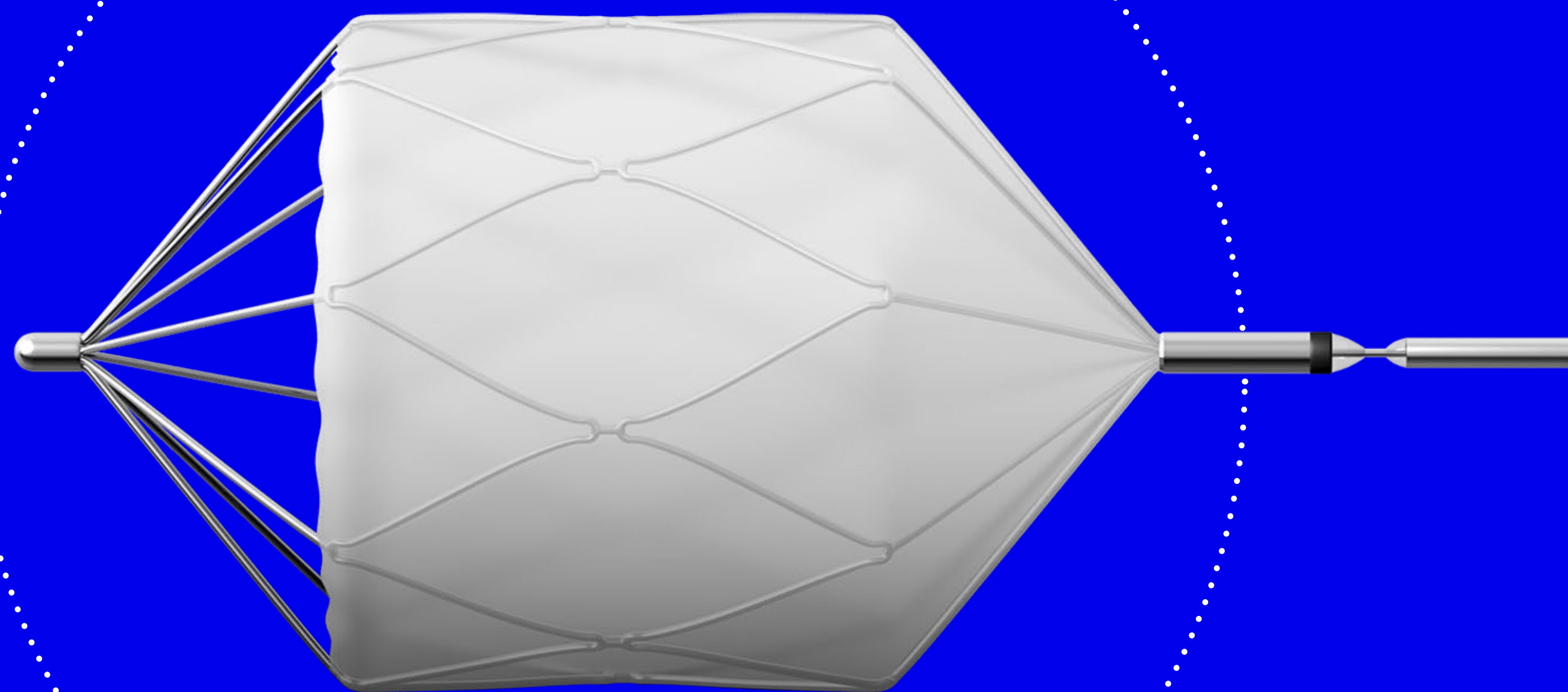
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References

VALUE SUMMARY

# Peripheral Embolization Solutions

MVP™  
Micro Vascular Plug System





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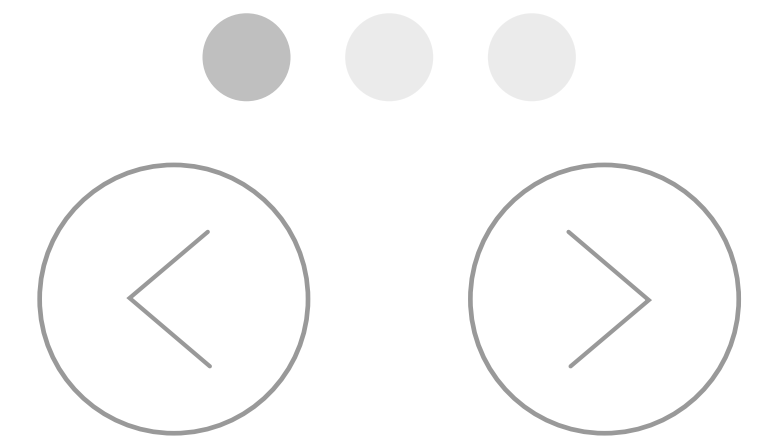
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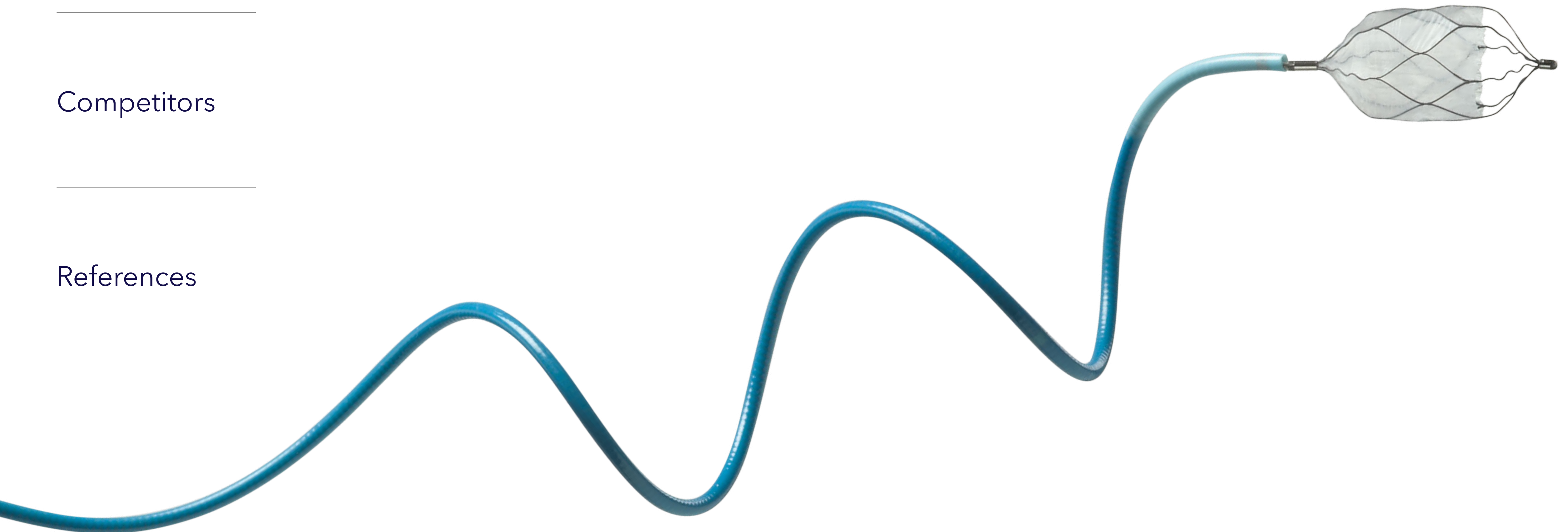
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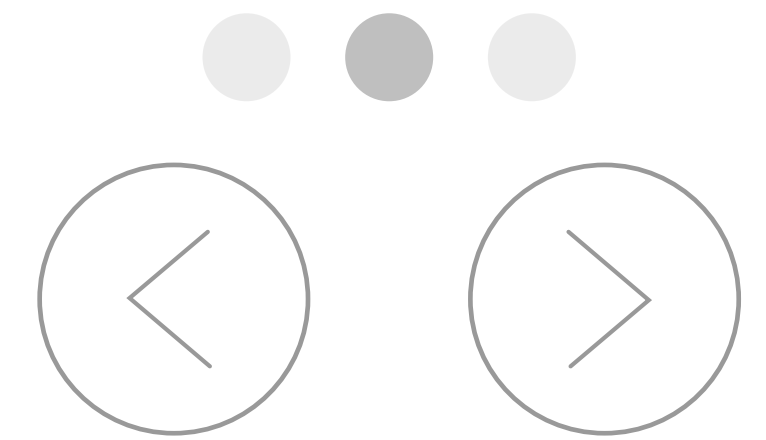
# Technology overview

The first plug deliverable through a microcatheter, the MVP™ Micro Vascular Plug System, redefines treatment for the mechanical embolization of peripheral vasculature. This innovative solution smoothly navigates even tortuous anatomy and is designed as a single occlusion device.





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## Sizing overview

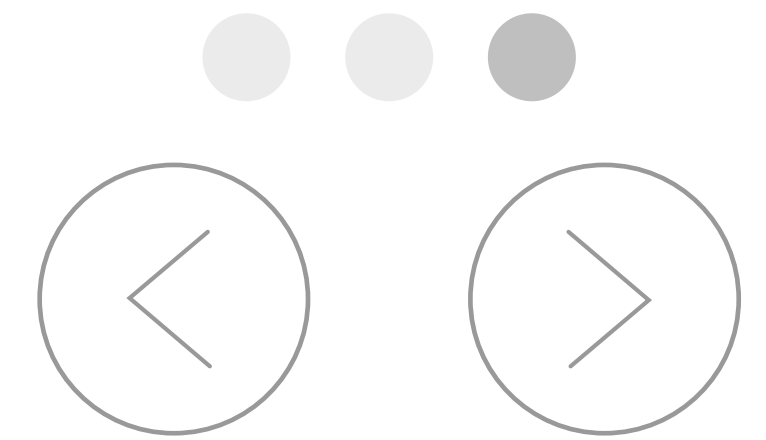
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Product code	Recommended vessel size	MVP™ device outer diameter unconstrained	MVP™ device length unconstrained	Delivery wire length	Min recommended ID (OD) of microcatheter/ delivery catheter	Maximum recommended length of microcatheter/ delivery catheter
MVP-3Q	1.5-3.0 mm	5.3 mm	12 mm	180 cm	0.021"	153 cm
MVP-5Q	3.0-5.0 mm	6.5 mm	12 mm	180 cm	0.027"	153 cm
MVP-7Q	5.0-7.0 mm	9.2 mm	16 mm	165 cm	0.041" (4 Fr)	120 cm
MVP-9Q	7.0-9.0 mm	13.0 mm	18 mm	165 cm	0.043" (5 Fr)	120 cm

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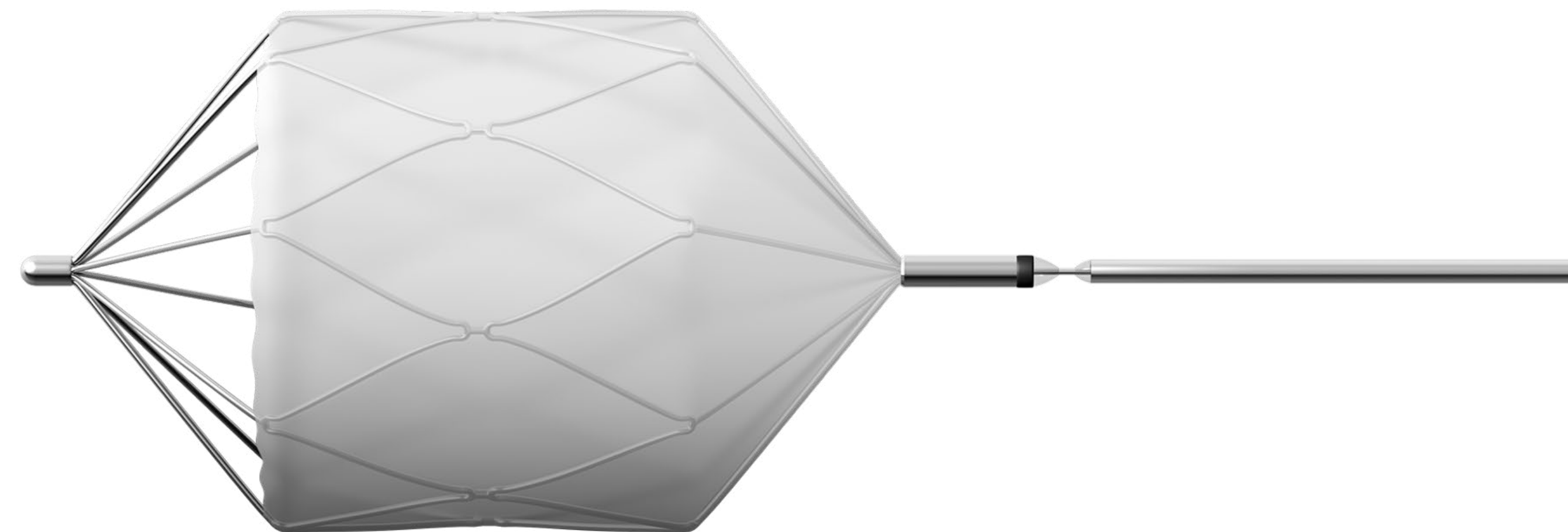
# Product labeling

The MVP™ Micro Vascular Plug System is a self-expanding vessel occlusion device indicated to obstruct or reduce the rate of blood flow in the peripheral vasculature.

The MVP™ device is ovoid-shape, comprised of nitinol and secured at both ends with platinum marker bands. The device incorporates a PTFE partial cover.

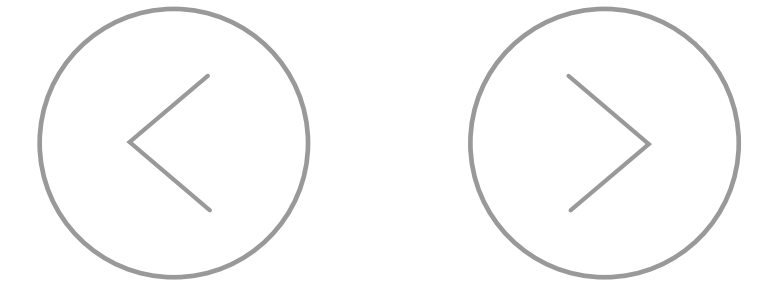
The proximal marker band attaches to a wire that pushes the device through a commercially available microcatheter to the intended treatment site.

The “delivery wire” detaches from the MVP™ device by mechanical detachment.





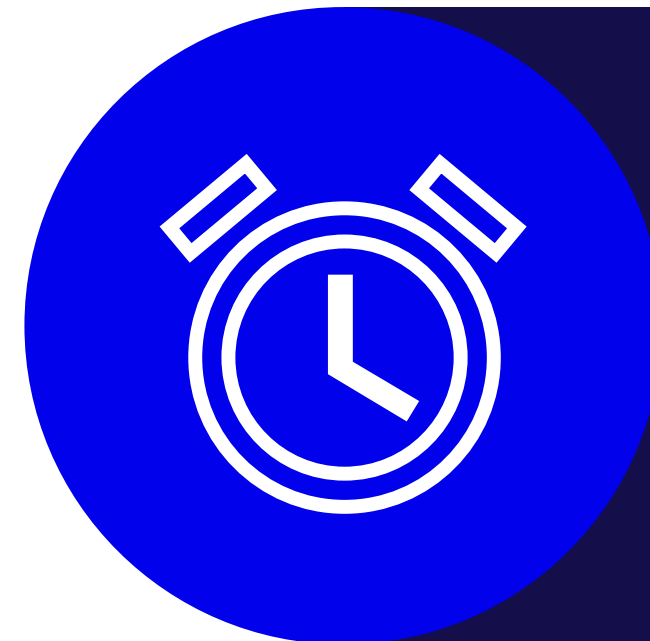
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# PTFE cover provides rapid occlusion

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Achieves a more rapid, if not immediate, occlusion of the target vessel.<sup>1,2,4</sup>

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Device design helps to prevent recanalization of blood flow in the future.<sup>1,4,5</sup>





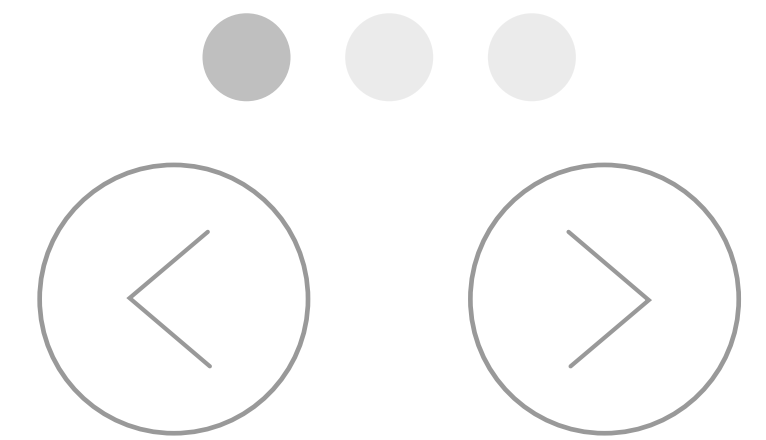
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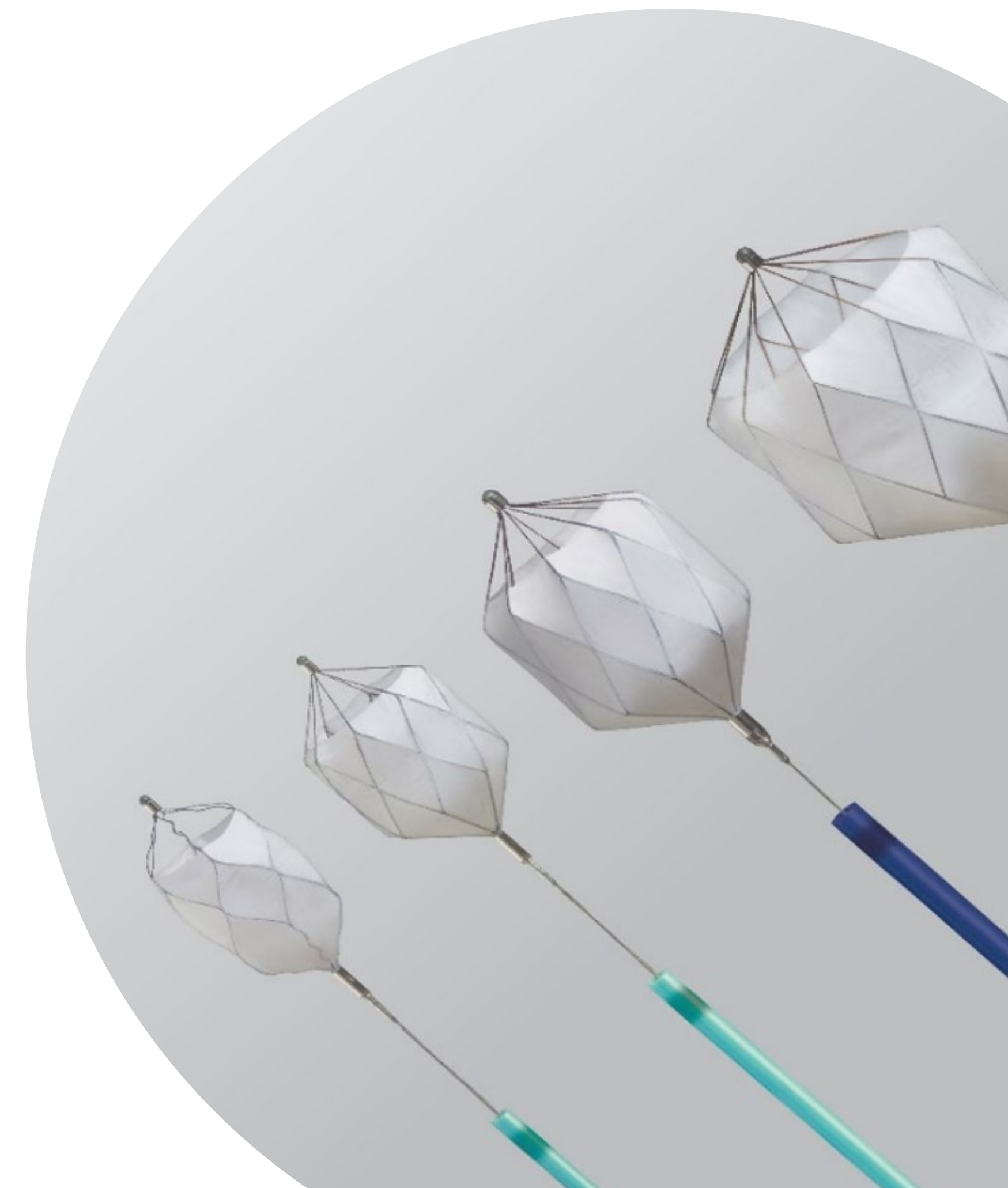


# Advantages

1 The MVP™ Micro Vascular Plug system is designed to obstruct or reduce blood flow in the vessels in the peripheral vasculature quickly.

2 Microcatheter deliverability<sup>1-3</sup> enables super-selective treatment of distal vessels.<sup>1,3</sup>

3 Further, the device is fully resheathable to facilitate accurate placement.<sup>1,2,4</sup>





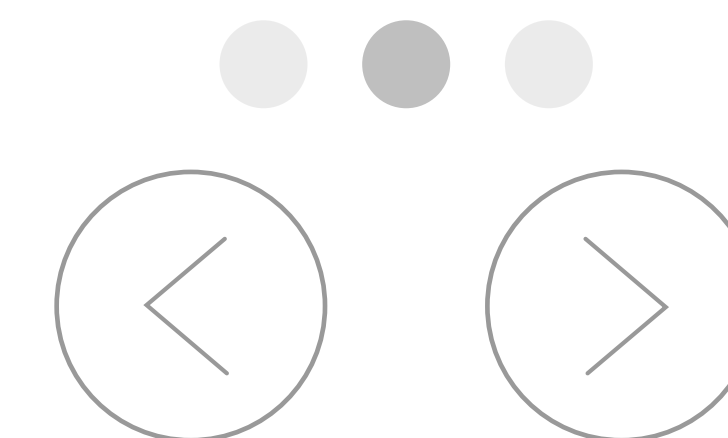
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## Microcatheter delivery

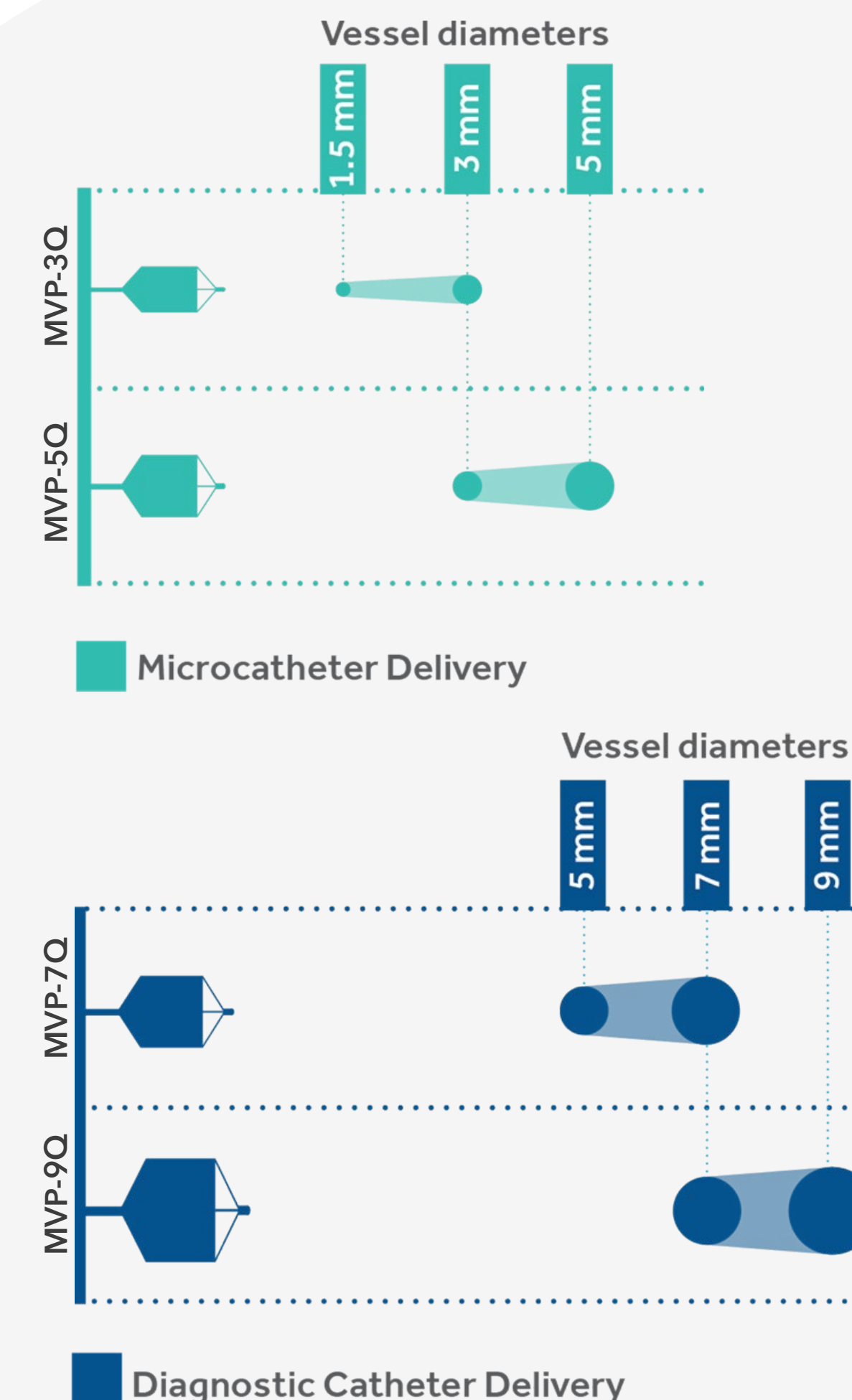
The first plug to be delivered through a microcatheter.<sup>1-3</sup>

It can treat smaller, more tortuous vessel anatomy that may be unreachable with other devices.<sup>1,3</sup>

## Resheath and reposition

Fully resheathable after partial or complete deployment, the MVP™ device allows repositioning as needed without device disruption.<sup>1,2,4</sup>

MVP-3Q and MVP-5Q can be delivered via a microcatheter to occlude vessels ranging from 1.5mm to 3mm and from 3mm to 5mm, respectively.



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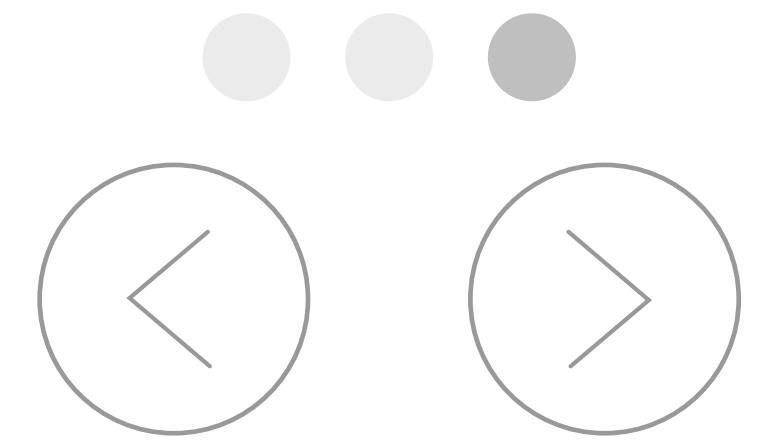
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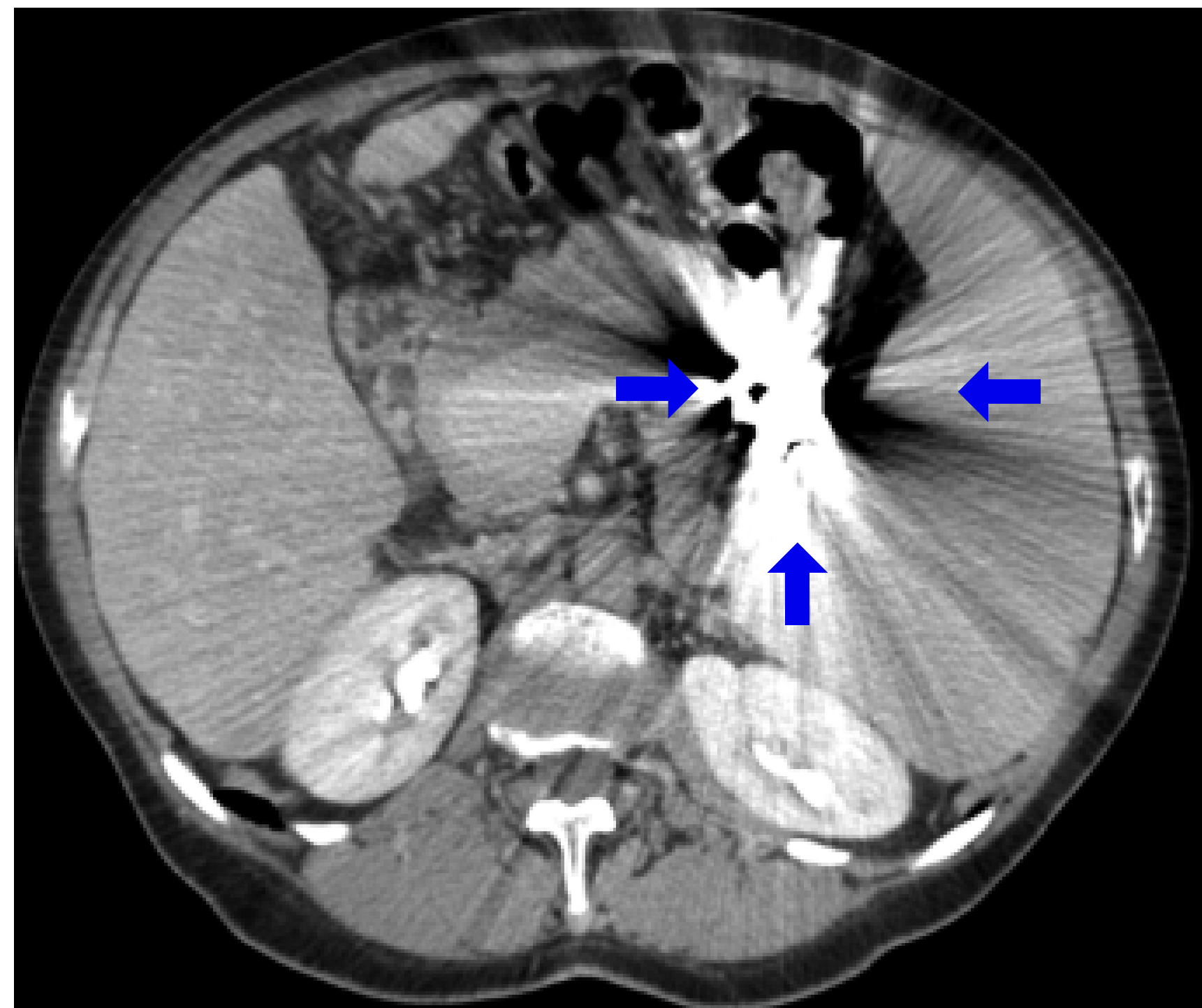
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References



# Reduced CT artifacts compared to coils<sup>6</sup>

Coils



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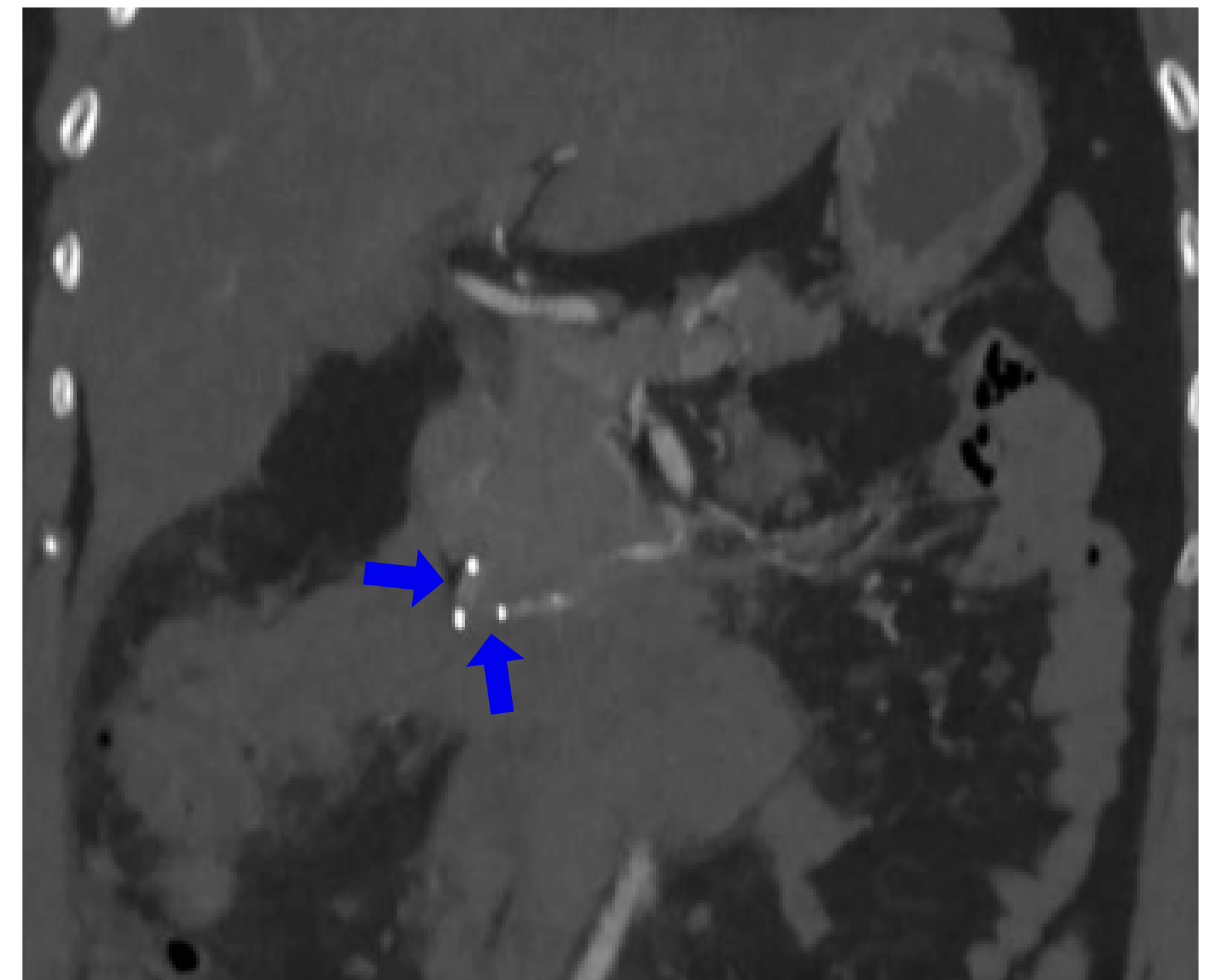


Image property of Medtronic



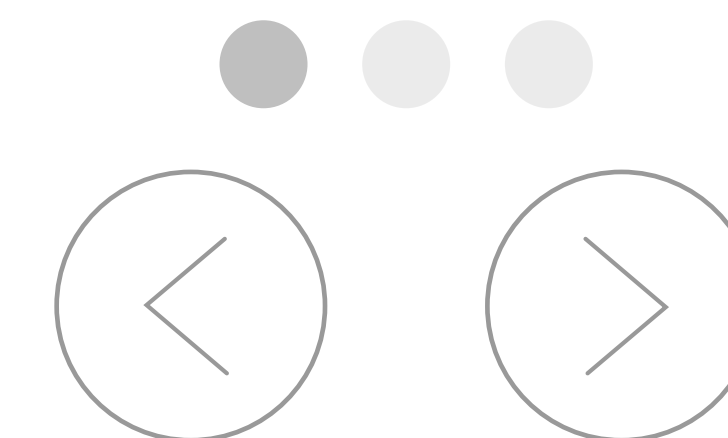
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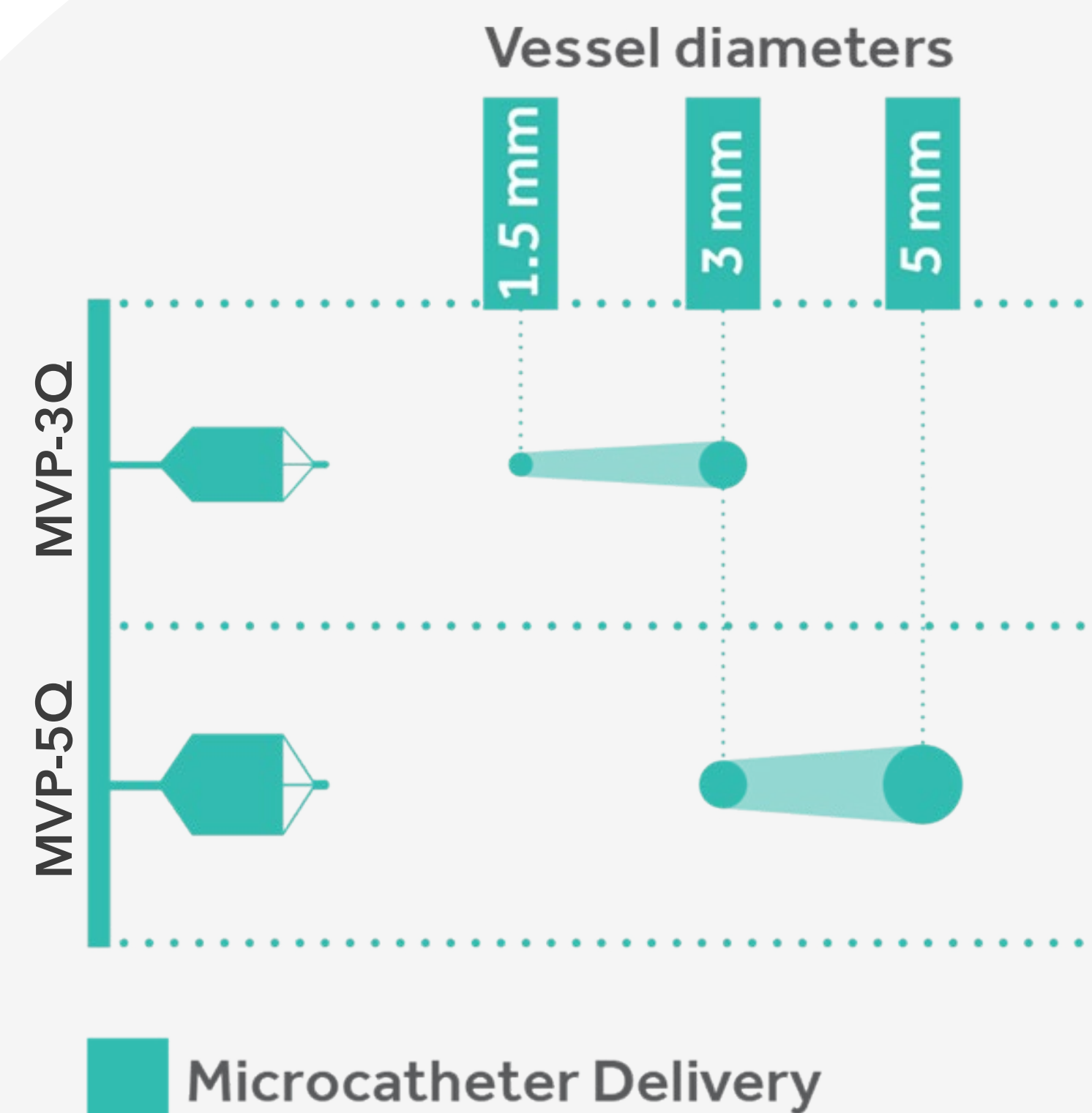
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# MVP™ Micro Vascular Plug System vs. Amplatzer™ Vascular Plug (AVP)

The AVP is not able to be delivered through a microcatheter.<sup>1,3,4</sup>



MVP-3Q and MVP-5Q can be delivered via a microcatheter to occlude vessels ranging from 1.5mm to 3mm and from 3mm to 5mm, respectively.



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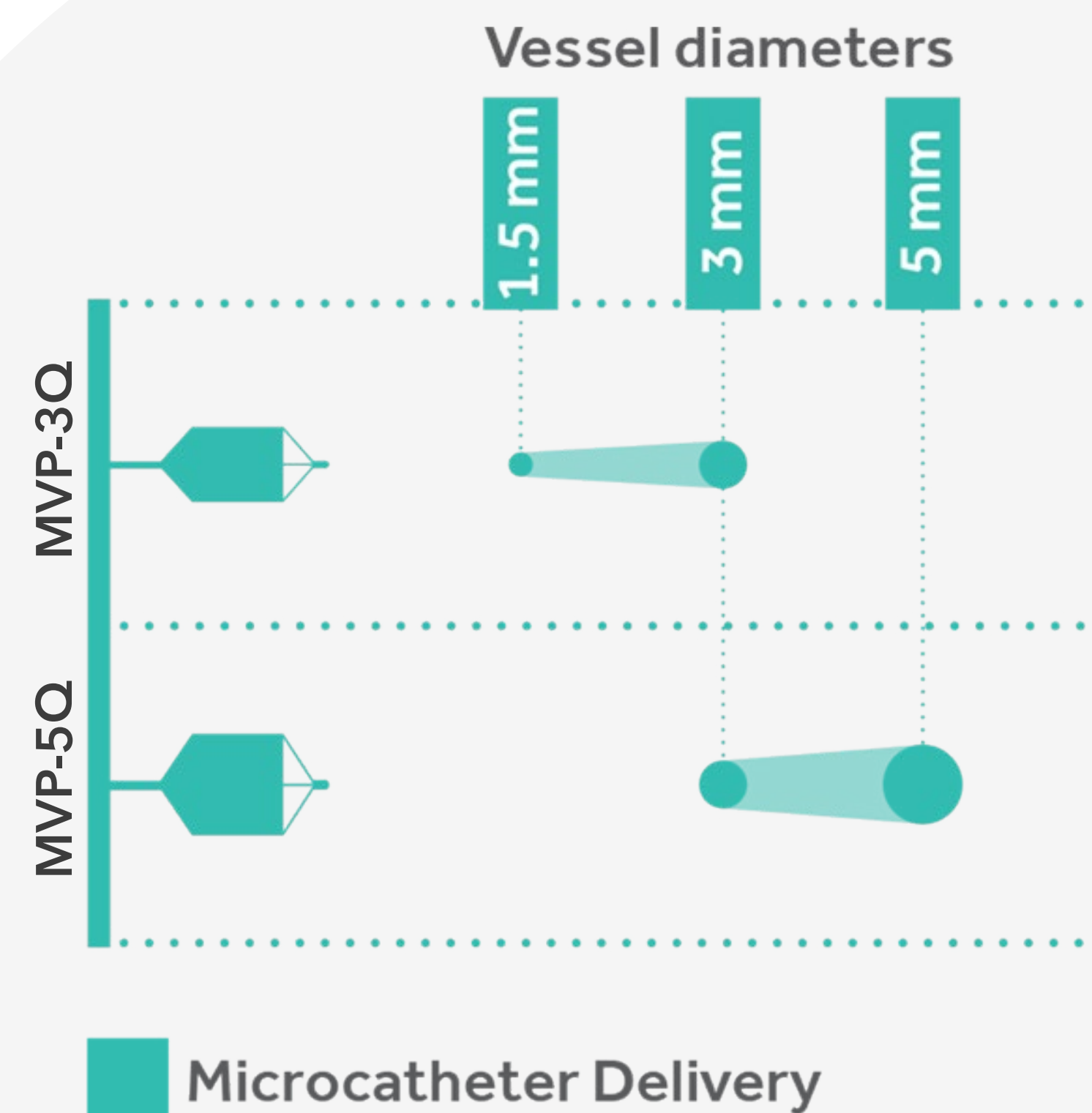
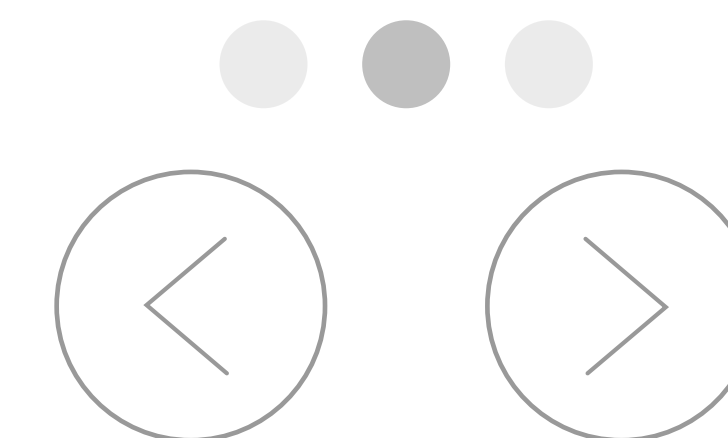
References

# MVP™ Micro Vascular Plug System vs. coils

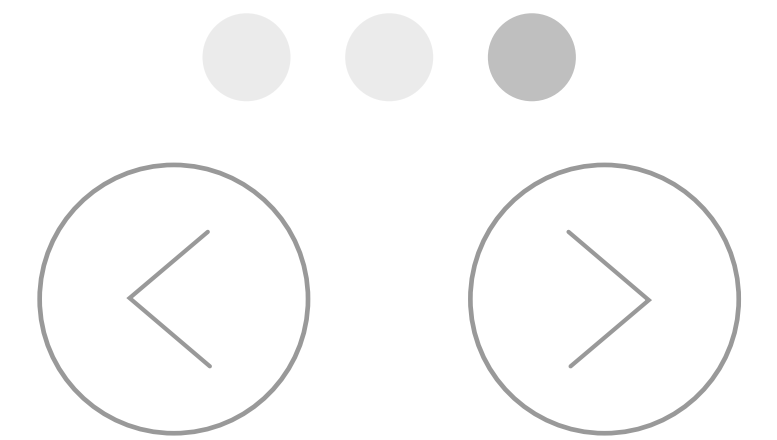
Several features of the MVP™ device make delivery and usage similar to coils, allowing surgeons to reach small, tortuous vessels that other plug devices may not be able to reach.

MVP™'s primary advantage over coils is the number of devices required to achieve full vascular occlusion. Often only one MVP™ is needed while multiple coils would typically be required.<sup>1,2</sup>

The MVP™ device also offers quick and stable vessel occlusion when compared to coils, which require longer time to reach full occlusion, meaning potentially longer procedure times, when compared to MVP™.<sup>1</sup>



MVP-3Q and MVP-5Q can be delivered via a microcatheter to occlude vessels ranging from 1.5mm to 3mm and from 3mm to 5mm, respectively.



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# MVP™ Micro Vascular Plug System vs. other embolic devices

	MVP™ Device	Amplatzer™ Vascular Plug (AVP)	Coils
PTFE Covering	√		
Resheathable <sup>1,2,4</sup>	√	√	√
Microcatheter Delivery System <sup>1-3</sup>	√		√



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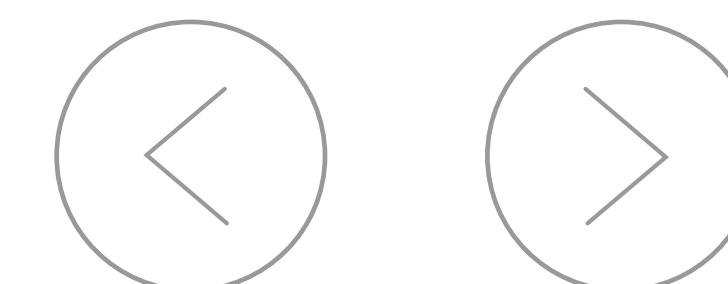
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See the device manual for detailed information regarding the instructions for use, indications, contraindications, warnings, precautions, and potential adverse events. For further information, contact your local Medtronic representative and/or consult the Medtronic website at [medtronic.eu](https://www.medtronic.eu).

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References

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