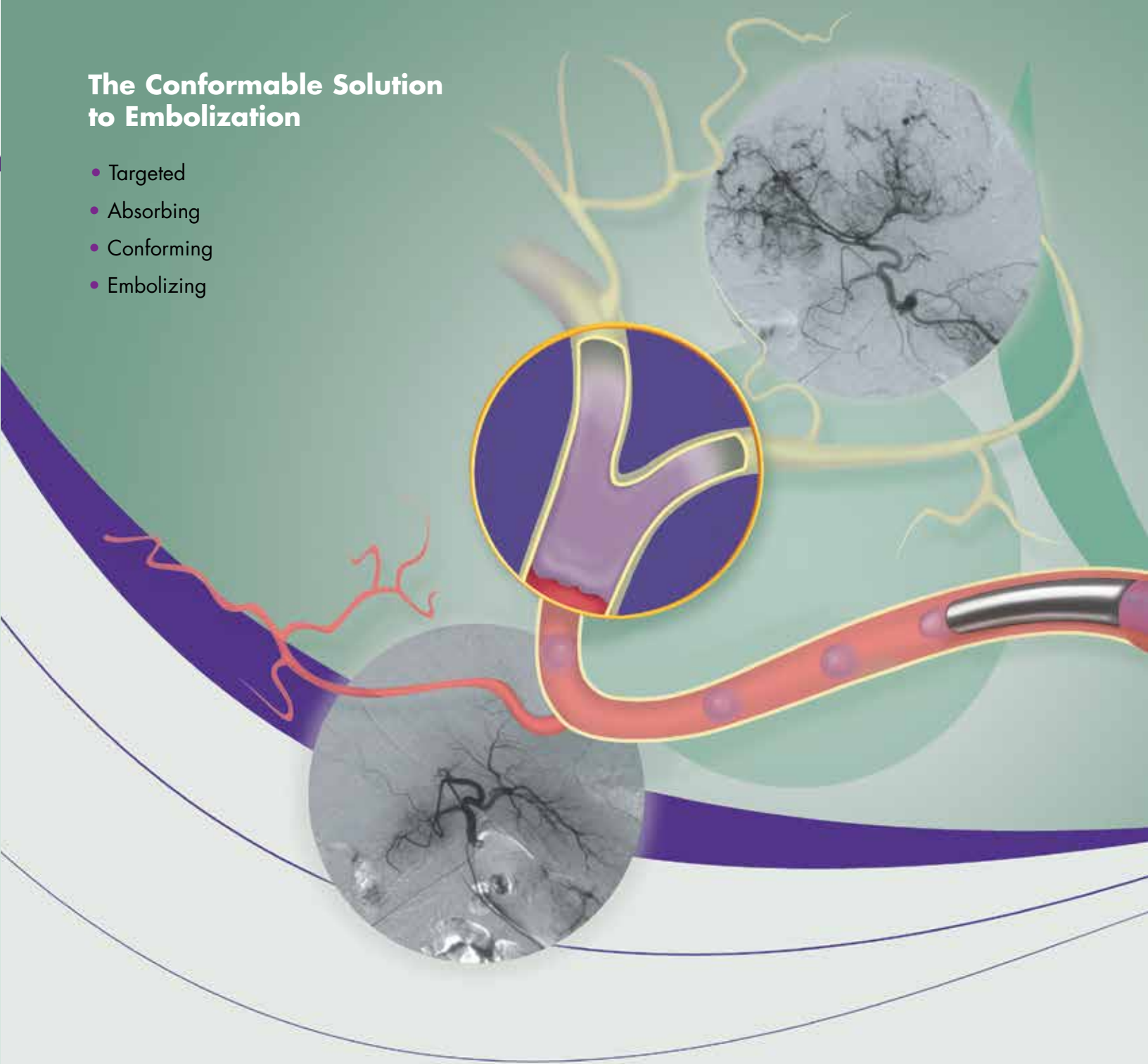


The Conformable Solution to Embolization

- Targeted
- Absorbing
- Conforming
- Embolizing



QuadraSphere[®]
MICROSPHERES



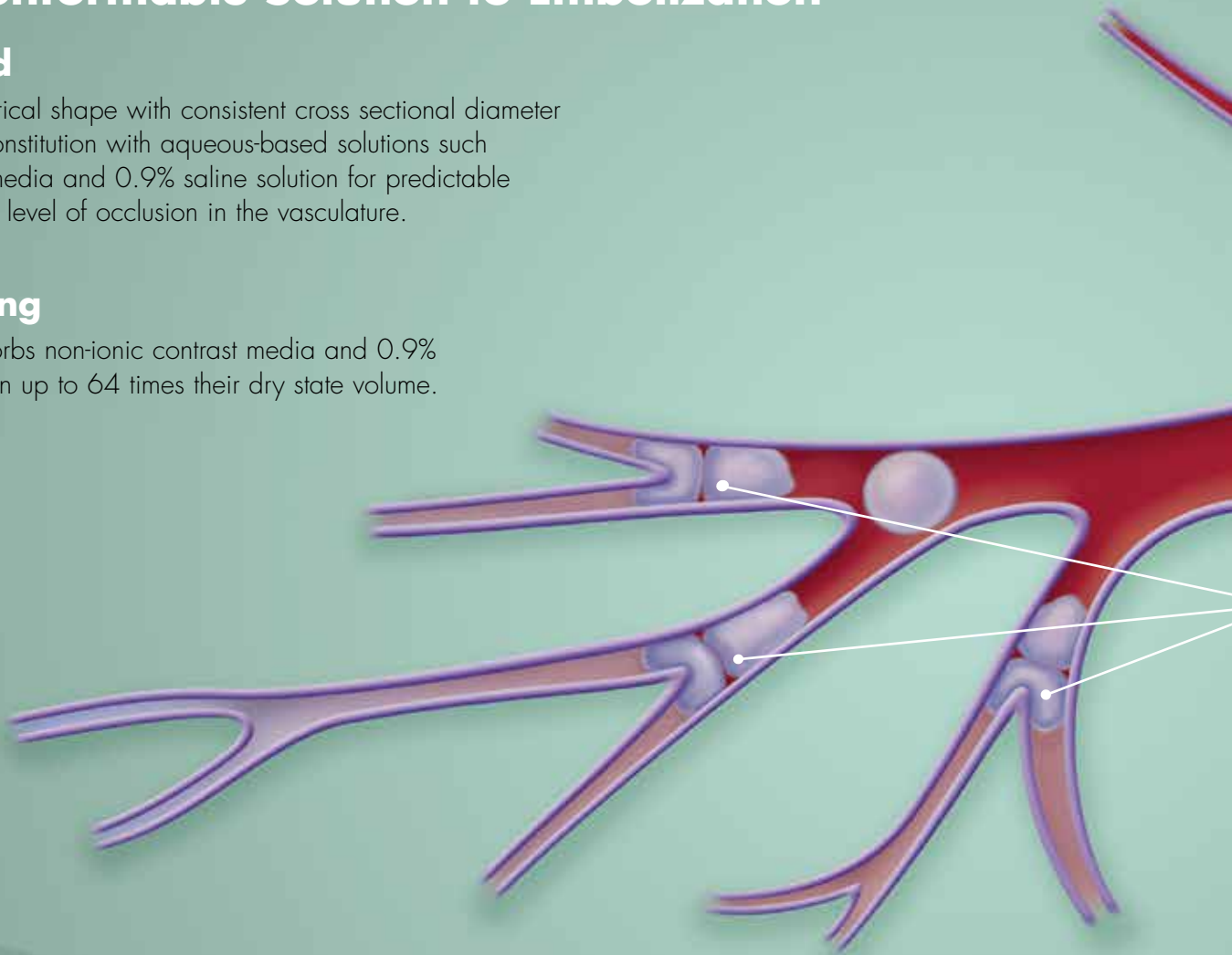
The Conformable Solution to Embolization

Targeted

Retains spherical shape with consistent cross sectional diameter after the reconstitution with aqueous-based solutions such as contrast media and 0.9% saline solution for predictable flow-directed level of occlusion in the vasculature.

Absorbing

Rapidly absorbs non-ionic contrast media and 0.9% saline solution up to 64 times their dry state volume.

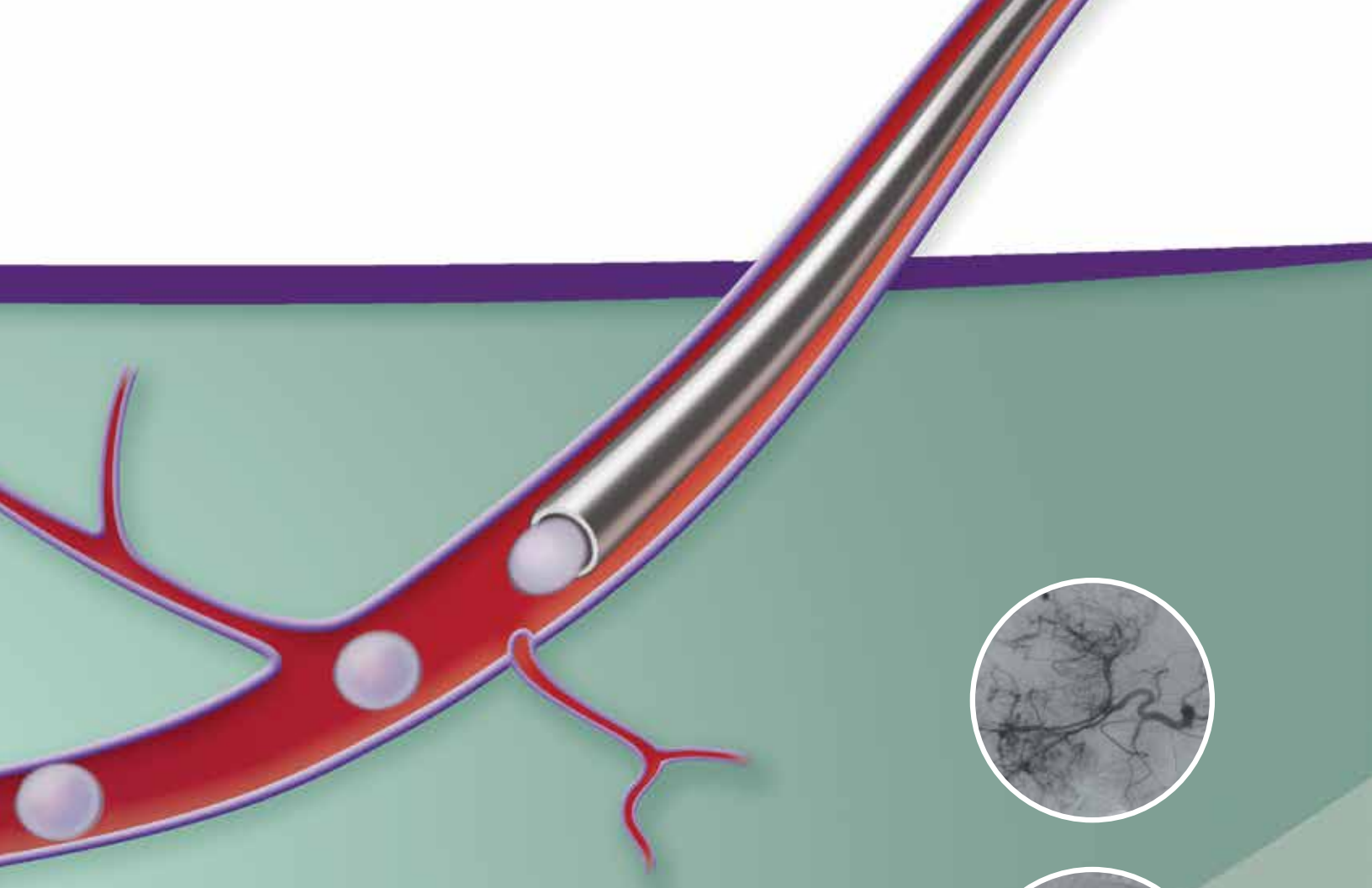


Conforming

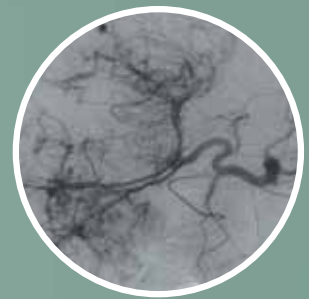
Affords atraumatic conformability to the architecture of the vessel lumen, providing more contact surface area with the embolic material and the vessel intima, leading to a more complete occlusion of the vessel. In vivo studies demonstrate the ability for one sphere to occlude bifurcated vessel branches.

Embolizing

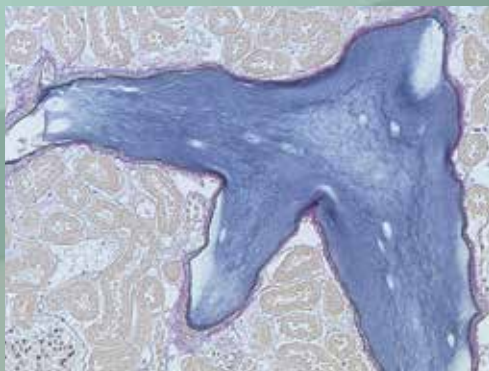
Expansion up to four times the stated dry diameter with secondary conformability to the vessel architecture, resulting in an increase in surface area contact for a more complete vessel occlusion.



- QuadraSphere Microspheres conform to the occlusion site anatomy.



Angiography before and after embolization of hypervascularized tumor illustrates the ability of QuadraSphere Microspheres to perform a targeted embolization.



Histology of a QuadraSphere Microspheres shows its conformability.¹

¹ Image courtesy of Keigo Osuga, MD, Department of Diagnostic and Interventional Radiology, Osaka, Japan

Ordering Information

QuadraSphere® Microspheres

Size range of dry particles (µm)	Size range when hydrated (µm)	Color code	Quantity (mg)	Order Number
30-60	120-240	Orange	25	V225QS
50-100	200-400	Light Green	25	V325QS
100-150	400-600	Blue	25	V525QS
150-200	600-800	Purple	25	V725QS

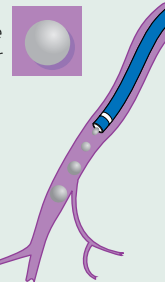
QuadraSphere Microspheres can absorb aqueous media up to 64 times their dry state volume. The expansion rate is dependent on ionic concentration.

Dry state diameter



QuadraSphere Microspheres are supplied as dry particles.

4x dry state diameter



When in contact with non-ionic contrast media or normal saline (NaCl 0.9%) before delivery, QuadraSphere Microspheres expand to approximately 4x their dry state diameter: **equal to 64x volume.**

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