

Thrombolysis



AZUR[®]

Peripheral HydroCoil[®]
Embolization System



**Expanding
your capabilities**

Angiographic and Interventional Systems

 **TERUMO**

We keep life flowing

Unique Hydrogel Coating The New Generation of Peripheral Coils



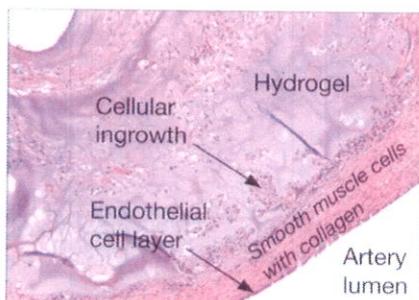
A Unique Technology of Expansion

AZUR® peripheral Hydrocoil Embolization System combines a platinum coil and an expandable hydrogel polymer. The hydrogel coating expands in the direction of less resistance to fill space when introduced into the bloodstream^{1,2}. It offers:

- Unique mechanical occlusion^{1,7}
- Superior volume filling and packing density
 - Up to 5.8 times more volume filling than conventional coils for 0.018"
 - Up to 4 times more volume filling than conventional coils for 0.035"

AZUR® Hydrocoil®	Diameter non expanded	Diameter expanded* (maximum)
Detachable 0.018"	0.018"	0.032"
Pushable 0.035"	0.023"	0.046"
Pushable 0.018"	0.018"	0.032"

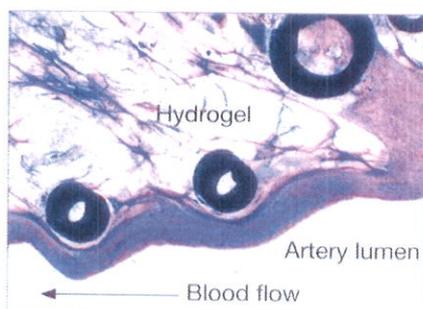
Minimal expansion in 5 minutes, 80% expansion in 20 minutes.



Endothelial formation

This image illustrates the growth of neointima at the neck of an aneurysm in a rabbit model. Hydrogel facilitates this process.

Once expanded, the Hydrogel remains soft and conformable. It provides a stable and permanent platform for blood stasis, thrombus organization and neointima formation^{4,9,10}.



Expanding in the direction of least resistance

As this image illustrates, Hydrogel expands in the direction of the flow—not in the direction of the parent vessel below.

The studies performed have shown that the Hydrogel is an inert substance that does not contain or produce biologics, is not associated with any known toxicity, in-vivo material hypersensitivity, or interaction with other embolic agents and will not degrade or break down^{5,6,10,13,14}.

A Unique Measure of Control

TWO DISTINCT OPTIONS :

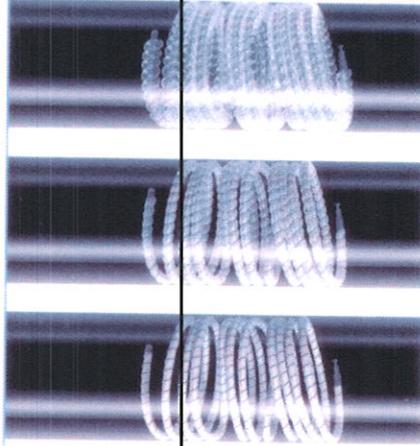
AZUR® detachable system is the first detachable systems for peripheral use that :

- Can be detached in less than a second at the push of a button
- Features a Detachment cycle confirmed by LED light
- Can be retracted and repositioned, reducing risk of migration

AZUR® pushable system :

- Has been specifically designed to be pushed with a TERUMO guide wire
 - AZUR® detachable and AZUR® pushable offer the same expanding technology that delivers :
 - Permanent mechanical occlusion with less reliance on thrombus formation
 - Superior volume filling, packing density, and occlusion efficacy^{1,2}
 - Superior mechanical stability^{1,2,4,5}
 - Increased delivery control and long-term durability^{1,13}
- With AZUR® Hydrocoils, you can now achieve excellent occlusion in a wider range of procedure, using the fewest coils possible.

Watch this little coil



in peripheral embolization

become the biggest thing

A Validated Technology

- Lower vascular recurrence rates versus platinum and PGLA coils^{3,4}
 - Enhanced reconstruction of the artery wall versus platinum coils^{4,5,6}
 - Increased filling with fewer coils than previously required^{1,2}
- Hydrocoil have been clinically used for more than 5 years in cerebral aneurysms, GI bleedings, visceral aneurysms, pulmonary AVMs and trauma. They have been analysed in more than 200 laboratory studies, 20 peer-reviewed articles, 100 oral and poster presentations that demonstrate :

1. Tsch FJ, Kabbani DJ. Aneurysm packing with Hydrocoil System versus platinum coils: initial clinical experience. *AJNR* 2004; 29:1760-67.
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 3. DUBAIE M, van Herten WJ, Seb BA, Herten J, Steeg CH, Weyers D. Recanalization between neurovascular packing and coil placement in the cerebral aneurysms treated with coils. *Neurology* 2004; 62:1300-1308.
 4. Frank H, Kober M, Herten D. Pathophysiologic considerations on Hydrocoil and platinum coil occlusion and delayed human cerebral aneurysms. *Neurology* 2004; 62:1300-1308.
 5. Furlow RH, Kabbani DJ. Healing response in rabbit cerebral aneurysms after embolization with a new platinum coil system. *AJNR* 2002; 27:1500-1508.
 6. Furlow RH, Kabbani DJ. Healing response in rabbit cerebral aneurysms after embolization with a new platinum coil system. *AJNR* 2002; 27:1500-1508.
 7. Kabbani DJ, Furlow RH. New expanded hydrocoil platinum coil hybrid device for aneurysm embolization. *Neurology* 2002; 59:1133-1138.
 8. Hjal Regard, Kabbani DJ. 1197 aneurysms: 126 follow-up cases: neuro follow up of 14 patients. *Neurology* 2002; 59:1133-1138.
 9. Kabbani DJ, Furlow RH. Experimental and clinical aneurysm embolization. *Neurology* 2002; 59:1133-1138.
 10. Long YH, Durr D, Fung CW, CA. Use of a hydrogel coated soft expandable coil to occlude a large intracranial aneurysm. *Neurology* 2001; 57:1271-1273.
 11. Fung CW, Durr D, Fung CW, CA. Use of a hydrogel coated soft expandable coil to occlude a large intracranial aneurysm. *Neurology* 2001; 57:1271-1273.
 12. Fung CW, Durr D, Fung CW, CA. Use of a hydrogel coated soft expandable coil to occlude a large intracranial aneurysm. *Neurology* 2001; 57:1271-1273.
 13. Fung CW, Durr D, Fung CW, CA. Use of a hydrogel coated soft expandable coil to occlude a large intracranial aneurysm. *Neurology* 2001; 57:1271-1273.

AZUR®

Peripheral Hydrocoil®
Embolization System
Expanding your capabilities





AZUR® Peripheral Hydrocoil® Embolization System -

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Detachable 18 System/Pack of 1 coil

Product Code	Loop Diameter	Length*
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45-480305	3 mm	3 mm
45-480310	3 mm	10 cm
45-480405	4 mm	5 cm
45-480415	4 mm	15 cm
45-480420	4 mm	20 cm
45-480410	4 mm	10 cm
45-480610	6 mm	10 cm
45-480615	6 mm	15 cm
45-480620	6 mm	20 cm
45-480810	8 mm	10 cm
45-480815	8 mm	15 cm
45-480820	8 mm	20 cm
45-481010	10 mm	10 cm
45-481015	10 mm	15 cm
45-481020	10 mm	20 cm
45-481215	12 mm	15 cm
45-481220	12 mm	20 cm
45-481530	15 mm	30 cm
45-481515	15 mm	15 cm
45-481520	15 mm	20 cm
45-482020	20 mm	20 cm
45-482030	20 mm	30 cm

Compatibility

AZUR® Hydrocoil®	Catheter	Guide wire
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Pushable 0,018"	PROGREAT 2,4 Fr	0,016" or 0,018"
Pushable 0,035"	GUIDECATH 4 or 5 Fr	0,035" or 0,038"
Detachable 0,018"	PROGREAT 2,8 Fr	0,016" or 0,018"
Detachable 0,018"	PROGREAT 2,7 Fr	Included

Pushable 18 System/Pack of 3 coils

Product Code	Loop Diameter	Length*
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45-280202	2 mm	2 cm
45-280302	3 mm	2 cm
45-280304	3 mm	4 cm
45-280402	4 mm	2 cm
45-280404	4 mm	4 cm
45-280406	4 mm	6 cm
45-280504	5 mm	4 cm
45-280506	5 mm	6 cm
45-280510	5 mm	10 cm
45-280606	6 mm	6 cm
45-280610	6 mm	10 cm
45-280614	6 mm	14 cm
45-280810	8 mm	10 cm
45-280814	8 mm	14 cm
45-281014	10 mm	14 cm

Pushable 35 System/Pack of 3 coils

Product Code	Loop Diameter	Length*
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45-250404	4 mm	4 cm
45-250406	4 mm	6 cm
45-250506	5 mm	6 cm
45-250510	5 mm	10 cm
45-250610	6 mm	10 cm
45-250810	8 mm	10 cm
45-250814	8 mm	14 cm
45-251014	10 mm	14 cm
45-251514	15 mm	14 cm

* Length is calculated from the tip of the coil to the point of connection with the pusher wire when the coil is straight.

Detachable System/Pack of 5 units

Product Code	Product Description
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45-4001	AZUR Detachment Controller
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Every day, as healthcare professionals, you are working to ensure life and to contribute to the well-being of your patients. Every day, Terumo Europe provides you with the clinical systems, means and solutions to keep life flowing.



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