APERTO® OTW

Paclitaxel releasing hemodialysis shunt balloon dilatation catheter

Specifically designed for AVF stenosis



Powered by SAFEPAX® Technology

The 3rd generation, unique paclitaxel matrix system with the highest coating stability on the market



APERTO® OTW: Paclitaxel releasing hemodialysis shunt balloon dilatation catheter specifically designed for AVF stenosis

APERTO® OTW was developed specifically to solve unmet clinical needs in treatment of hemodialysis access stenosis and recanalization of AVF shunt grafts.

Variety of shaft and balloon sizes for maximal adaptability to different stenosis situations

- Up to 20 bar balloon pressure for long-term patency.
- 40 cm shaft for treatment of native and prosthetic AVF stenosis.
- Up to 10 mm, 80 cm long shaft to reach and treat central venous stenosis.

APERTO® OTW: Clinically confirmed, excellent long-term rates of freedom from restenosis for extended dialysis access survival¹

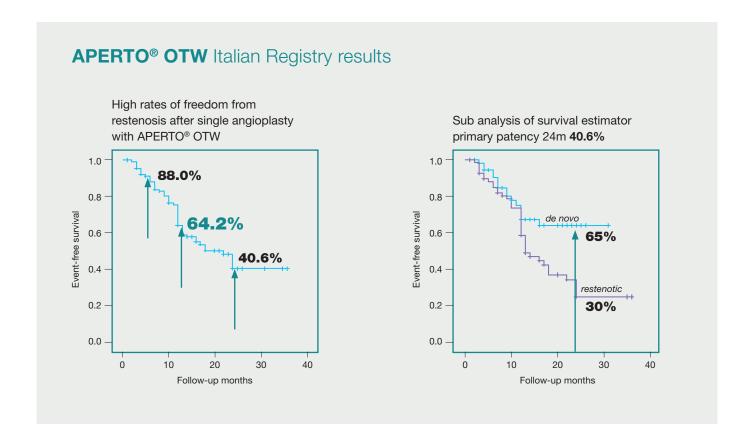
"Thoughtful use of various endovascular techniques can improve access longevity and patients' quality of life." ²

Data from 200 patients and 311 angioplasty procedures¹ confirm:

- Single angioplasty procedures have achieved **64%** patency rates at 12 months and 41% at 24 months
- APERTO® OTW is successful with both autogenous and prosthetic vascular access

DCB should not be a second option, but first line treatment for all AVF stenosis

Prof. Matteo Tozzi



¹Tozzi M. et al. "Drug-coated balloon angioplasty in failing haemodialysis AV shunts: 12-month outcomes in 200 patients from the Aperto Italian registry", Journal of Vascular Access JVA 2018, in press.

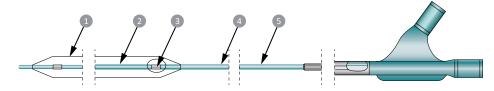
²**Horikawa M,** Quencer KB. "Central Venous Interventions", Tech Vasc Interv Radiol. 2017 Mar;20(1):48-57.

Technical Data

Drug releasing balloon				
Shaft material	Polyamide			
Balloon material	Polyamide			
Usable catheter length	40 cm, 80 cm for 9 mm and 10 mm			
Max. recommended guidewire	0.035"			
Tip lenght	5.0 mm			
Rated burst pressure	From 12 bar to 20 bar (see table below)			
Nominal pressure	12 bar for Ø 5.00 mm - 8.00 mm 6 bar for Ø 9.00 mm - 10.00 mm			
Introducer sheath size	6F for Ø 5.00 mm - 6.00 mm 7F for Ø 7.00 mm - 10.00 mm			

Drug coating technology	
Drug	Paclitaxel
Drug dose	3.0 µg/mm²
Delivery matrix	SAFEPAX®
Coated area	Cylindrical section of the balloon, exceeding the proximal and distal markers

Components and materials



- 1. 0.035 PTA balloon Polyamide
- 2. Distal single lumen hypotube
- 3. Marker band embedded
- 4. Hydrophilic coated middle shaft
- **5.** Proximal shaft Polyamide OTW

Ordering Information

Balloon length	Balloon ∅ (mm)					
(mm)	5.00 mm	6.00 mm	7.00 mm	8.00 mm	9.00 mm	10.00 mm
20 mm	APS 5.00-20 OTW	APS 6.00-20 OTW	APS 7.00-20 OTW	APS 8.00-20 OTW	APL 9.00-20 OTW	APL 10.00-20 OTW
40 mm	APS 5.00-40 OTW	APS 6.00-40 OTW	APS 7.00-40 OTW	APS 8.00-40 OTW	APL 9.00-40 OTW	APL 10.00-40 OTW
60 mm	APS 5.00-60 OTW	APS 6.00-60 OTW	APS 7.00-60 OTW	APS 8.00-60 OTW	APL 9.00-60 OTW	APL10.00-60 OTW

TECHNOLOGY

The Paclitaxel Matrix of the Future

Powered by SAFEPAX® Technology: The 3rd generation, unique paclitaxel matrix system with the highest coating stability on the market*

Powered by



Locally delivered 3 µg/mm² paclitaxel dose for consistent inhibition of neointimal proliferation without compromising safety

Virtually loss-less matrix for improved homogeneity of drug transfer

Proprietary ammonium salt solution excipient for minimal drug loss during introduction to target site; reliable drug release and transfer into the vessel wall; low surface friction; consistent smoothness and minimised risk of dissection

Stable vs Unstable



Comparison between the virtually loss-less SAFEPAX® DCB PTX Balloon Coating (top) and a first-generation DCB coating (bottom)

^{*} Cardionovum data on file



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