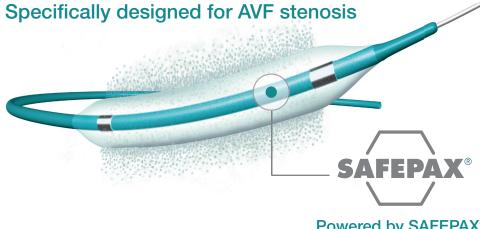
# APERTO® OTW

High-Pressure Paclitaxel Releasing Hemodialysis Shunt Balloon Dilatation Catheter



Powered by SAFEPAX® coating technology



**APERTO® OTW:** High-Pressure 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 and 80 cm shaft lengths for the treatment of native and prostetic stenosis.
- Now available up to 12 mm balloon diameter.

## The Paclitaxel Matrix of the Future

Powered by SAFEPAX® technology: the 3rd generation, unique, virtually loss-less matrix.



Locally delivered 3  $\mu g/mm^2$  paclitaxel dose to **prevent restenosis and neointimal proliferation** without compromising safety.

Proprietary ammonium salt solution excipient for **minimal** wash-off during introduction to target site and **drug release** into the vessel wall.

Amorphous coating for an homogeneous and stable drug layer on the balloon's surface with a minimal mass effect.

## **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

## **APERTO® OTW:**Clinical evidences and results

### **APERTO® OTW** Randomized Clinical Trial Results<sup>1</sup>

#### APERTO® OTW vs High-Pressure balloon and 90% of De-Novo lesions

Data from 161 patients showed APERTO®'s statistical superiority in:

- Primary Patency at 6 months equal to 65% rather than 37% of the HPB group;
- Treedom from CD-TLR at 12 months equal to 73% rather than 58% in the HPB group.

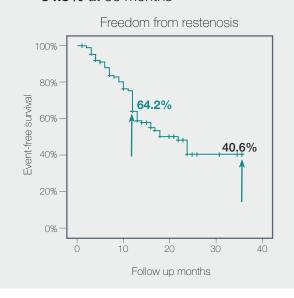


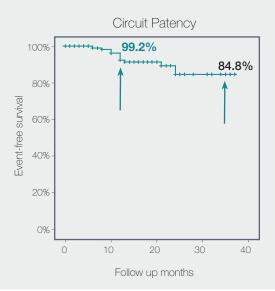
### **APERTO® OTW** Italian Registry results<sup>2</sup>

#### Evaluation of APERTO® OTW in arteriovenous grafts and arteriovenous fistulas

Data from 200 patients and 311 angioplasty procedures confirmed:

- APERTO®'s **freedom from restenosis** after single angioplasty with rates equal to **64.2%** at 12 months and **40.6%** at 36 months;
- APERTO®'s **circuit patency** including multiple angioplasty with rates of **99.2**% at 12 months and **84.8**% at 36 months





<sup>1</sup> Yanqi Y. et al., "Efficacy and Safety of Paclitaxel-Coated Balloon Angioplasty for Dysfunctional Arteriovenous Fistulas: A Multicenter Randomized Controlled Trial", American Journal of Kidney Diseases, Volume 78, Issue 1, 2021, Pages 19-27.e1, ISSN 0272-6386, https://doi.org/10.1053/j.ajkd.2020.11.022;

<sup>&</sup>lt;sup>2</sup> **Tozzi M.** et al., "Drug-coated balloon angioplasty in failing haemodialysis arteriovenous shunts: 12-month outcomes in 200 patients from the Aperto® Italian registry", The Journal of Vascular Access. 2019;20(6):733-739. doi:10.1177/1129729819848609

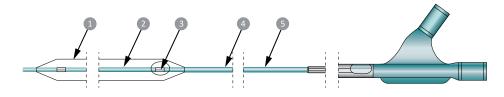
#### **APERTO® OTW**

#### Technical Data

Drug releasing balloon					
Balloon & shaft material	Polyamide				
Usable catheter length		for Ø 4.00 mm - 8.00 mm for Ø 9.00 mm - 12.00 mm			
Max. recommended guidewire	0.035"				
Tip length	5.0 mm				
Rated burst pressure	18 bar: 18 bar: 12 bar:	for Ø 4.00 mm - 7.00 mm with lengths 20 and 40mm for Ø 4.00 mm - 7.00 mm with length 60mm for Ø 8.00 mm for Ø 9.00 mm - 10.00 mm for Ø 12.00			
Nominal pressure	12 bar: 6 bar:	for Ø 4.00 mm - 8.00 mm for Ø 9.00 mm - 12.00 mm			
Introducer sheath compatibility	7 F:	for Ø 4.00 mm - 6.00 mm for Ø 7.00 mm - 10.00 mm for Ø 12.00 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				

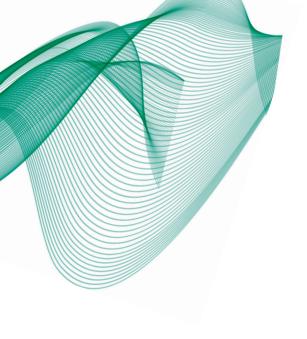
## Components and materials



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

## Ordering Information

	Catheter Shaft length 40 cm					Catheter Shaft length 80 cm			
Balloon	Balloon Ø (mm)								
length (mm)	4.00 mm	5.00 mm	6.00 mm	7.00 mm	8.00 mm	9.00 mm	10.00 mm	12.00 mm	
20 mm	APS 4.00-20 OTW	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 4.00-40 OTW	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	APL 12.00-40 OTW	
60 mm	APS 4.00-60 OTW	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	-	





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