

MEDIA FACT SHEET

Oscar® Peripheral Multifunctional Catheter: an All-In-One Solution for PAD Lesions

Peripheral artery disease (PAD), also known as peripheral vascular disease (PVD), is usually caused by plaque buildup in arteries outside the heart or brain. It most commonly affects the legs and feet but may also result in damage to organs like the kidneys. The American Centers of Disease Control (CDC) estimate as many as 6.5 million people over 40 years of age in the United States may be affected. PAD prevalence also generally increases with age, affecting around 10 percent of people 70-79, and climbing to around 25 percent of men and 20 percent of women over the age of 80.

PAD causes arteries to narrow or become completely blocked, often causing pain after walking. As the disease progresses or is left untreated, the reduced blood flow to the lower legs and feet prevents sores or ulcers from healing and, in some cases, can lead to amputation.

A new and unique treatment approach for PAD

One of the non-surgical interventional options to treat PAD is percutaneous transluminal angioplasty (PTA), in which a physician introduces a small balloon into the affected blood vessel via a catheter. He or she then inflates the balloon to gently open the blocked vessel.



BIOTRONIK's new approach to treat patients with PAD combines various interventional components into one solution. The Oscar® peripheral multifunctional catheter features an extendable dilator and support catheter, which aid in crossing through the arterial blockages, along with a length-adjustable PTA balloon. A standard PTA balloon can only be used at one fixed length. Thanks to the Oscar PTA balloon's length adjustability, it can precisely match the balloon length to the lesion length. The overall versatility of this all-in-one device can potentially simplify procedures and change the way physicians approach their interventions.

The Oscar system will be available in 11 total size configurations with either 0.014"/4F or 0.018"/6F guidewire/introducer sheath compatibility, which may massively reduce stock units required by up to 83 percent to cover a full-size range compared to a standard PTA balloon. Additional standalone Oscar PTA balloons are also available separately to be used with the Oscar support catheter.

The product will be commercially available in the United States starting in the Spring of 2023 and in CE Mark-accepting regions in the second half of 2023.



BIOTRONIK at a Glance

At BIOTRONIK , patient well-being is our top priority and has been for more than 60 years. BIOTRONIK is a leading global medical technology company with products and services that save and improve the lives of millions suffering from heart and blood vessel diseases as well as chronic pain. BIOTRONIK is headquartered in Berlin, Germany, and is represented in over 100 countries.



Global Impact

Physicians have implanted more than 20 million BIOTRONIK devices in over 100 countries.



Business Areas

BIOTRONIK is active in cardiac rhythm management, electrophysiology, vascular intervention and neuromodulation.



R&D

BIOTRONIK is headquartered in Berlin and researches, develops and manufactures exclusively in the high-tech countries of Germany, Singapore, Switzerland and the United States.

All critical components are manufactured in-house to ensure uncompromised safety, the highest quality and reliability. One in five employees at Berlin headquarters work in research and development.

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