

# EBC MAIN STUDY

Resolute Onyx™ is the only DES with randomised data supporting provisional and dual-stent strategies in Left Main Bifurcation PCI

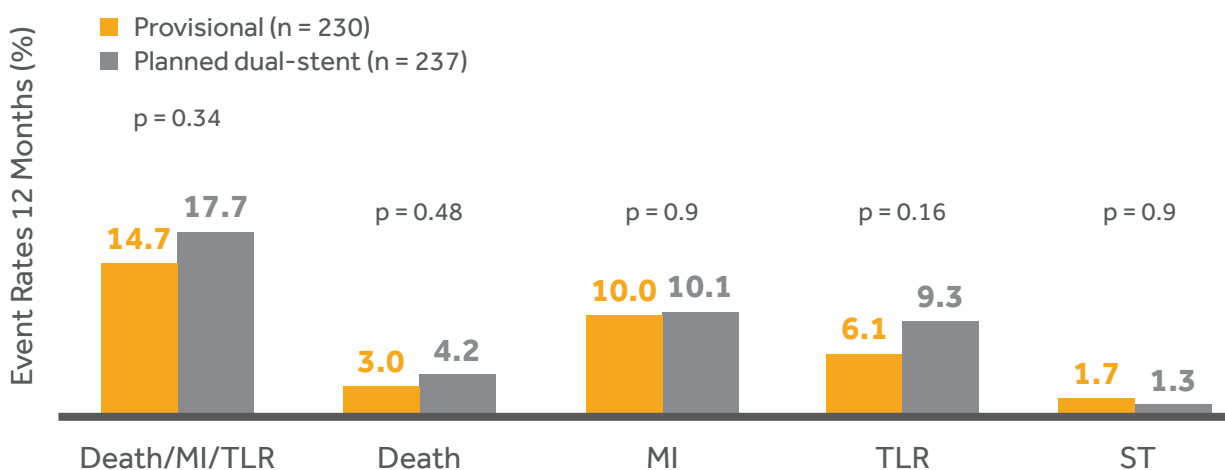
## Bifurcation PCIs, including the left main (LM), are prevalent and complex

- More than 80% of LM disease involves a bifurcation<sup>1</sup>
- LM PCI presents challenges including wider bifurcation angles, large side branches, and additional calcification and fibrosis<sup>2</sup>
- Stent optimisation in the main branch, without compromising the side branch is required<sup>3</sup>
- The optimal treatment strategy for true left main bifurcations remains a highly debated topic

## EBC Main Study Overview

- First randomised trial based on EBC Consensus, comparing the provisional to a planned dual-stent strategy in LM bifurcation PCI
- 467 patients with true left main bifurcation disease enrolled in Europe
- **Resolute Onyx DES was chosen because of its 4.5 and 5.0 mm diameters, which now expand to 6.0 mm<sup>†</sup>**

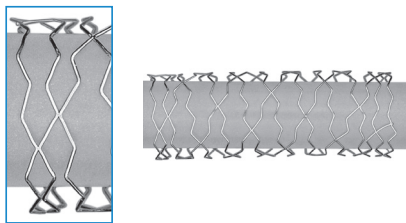
## Resolute Onyx™ DES demonstrated excellent outcomes at one year<sup>2</sup>



- Primary endpoint (death, MI, TLR) showed numerically fewer serious adverse events in the provisional arm (14.7%) vs. dual-stent arm (17.7%)
- Provisional arm showed significantly shorter procedure duration and fluoroscopy time

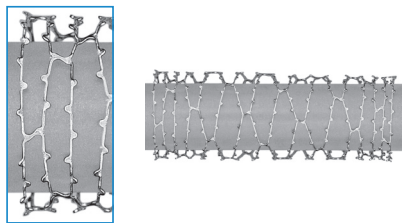
# RESOLUTE ONYX DES IS OPTIMISED FOR...

## Left Main Bifurcation PCI



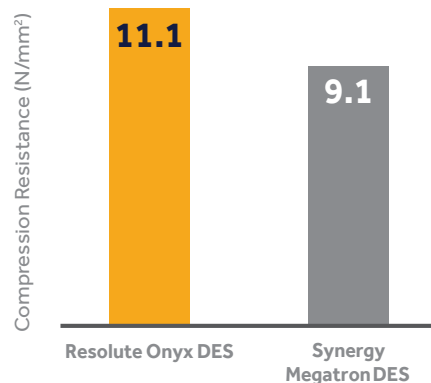
Resolute Onyx DES<sup>†</sup> 4.5 and 5.0 mm diameters:

- **Expand to 6.0 mm<sup>†</sup>** for optimal deployment with even scaffolding<sup>4</sup>
- Provide the **sustained radial strength** needed to handle the left main artery's elasticity<sup>4</sup>



Synergy<sup>™\*</sup> Megatron DES<sup>†</sup> post-dilatation at 6.0 mm diameters causes the struts to straighten as they approach their expansion limit.

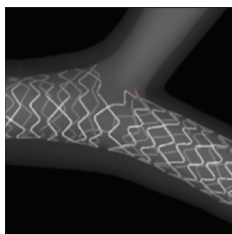
Greater Radial Strength than Synergy Megatron DES at Maximum Expansion<sup>4</sup>



## Bifurcation PCI

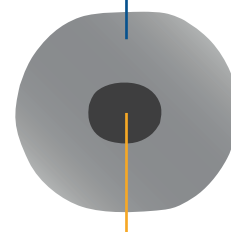
**Single-wire design increases flexibility and conformability**

to achieve optimal strut apposition.<sup>4</sup>



- **Round struts create a smooth passage** when accessing the side branch and lower the propensity to catch.<sup>4</sup>
- **Platinum iridium core increases visibility for accurate stent placement** without compromising strut thickness.<sup>4</sup>

Cobalt alloy shell



Cross Section of Resolute Onyx DES

Platinum iridium core

CE  
2797

\*Third-party brands are trademarks of their respective owners.

<sup>†</sup>Resolute Onyx DES received CE and FDA approval for increased expansion in 2020.

<sup>1</sup> Rab T, et al. *JACC Cardiovasc Interv.* 2017;10:849-865.

<sup>2</sup> Hildick-Smith D, et al. *Eur Heart J.* Published online May 18, 2021.

<sup>3</sup> Gwon, Hyeon-Cheol. *Korean Circ J.* 2018;48:481-491.

<sup>4</sup> Data on file at Medtronic.



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See more at [medtronic.com/bifurcation](https://www.medtronic.com/bifurcation) where you can explore five step-by-step bifurcation techniques captured with endoscopic imaging inside an isolated, reanimated, beating porcine heart.

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