Medtronic News

Medtronic Launches Resolute Onyx™ Drug-Eluting Stent In United States Following FDA Approval Becoming First DES Available In 4.5 mm And 5 mm Sizes

Engineered for Exceptional Deliverability, Advanced DES Technology Features Thinner Struts, Enhanced Visibility and the Broadest Size Matrix in the U.S.

DUBLIN – May 1, 2017 – Medtronic plc (NYSE: MDT) today announced the U.S. Food and Drug

Administration (FDA) approval and U.S. launch of the Resolute Onyx™ Drug-Eluting Stent (DES). The Resolute Onyx DES builds on the proven clinical performance and superior deliverability of the Resolute Integrity™ DES to further strengthen the gold standard safety and efficacy of DES technology.

“As stent technologies continue to evolve, recent clinical studies have shown that newer technologies have not established a clinical advantage over durable polymer DES,” said Roxana

Mehran, M.D., cardiologist and professor of medicine at Mount Sinai School of Medicine in New York City. “The Resolute Onyx DES provides physicians with additional 4.5 mm and 5.0 mm sizes to treat patients with large coronary anatomies, while the stent’s enhanced visibility and excellent deliverability further differentiates it from other drug-eluting stents on the market.”

The Resolute Onyx DES is the first and only DES to feature Core Wire Technology, an evolution of Continuous Sinusoid Technology (CST). CST is a unique Medtronic method of stent manufacturing, which involves forming a single strand of cobalt alloy wire into a sinusoidal wave to construct a stent. This enables greater deliverability and conformability to the vessel wall. With Core Wire Technology, a radiopaque inner core is incorporated within the cobalt alloy wire to enhance visibility for accurate stent placement. Core Wire Technology also enables thinner struts while maintaining structural strength.

The Resolute Onyx DES is designed with the transradial approach (through the wrist) in mind, including 5 Fr catheter compatibility with stent sizes up to 5.0 mm. With the first 4.5 mm and 5.0 mm DES sizes available in the U.S., the Resolute Onyx DES helps expand treatment options for patients with extra-large vessels.

“We set out to expand upon a proven DES technology to enhance clinical performance and deliver further meaningful innovations that address the needs of interventional cardiologists around the globe,” said Jason Weidman, vice president and general manager of the Coronary and Renal Denervation business, which is part of the Cardiac and Vascular Group at Medtronic.

“Already making a significant impact outside of the U.S., the Resolute Onyx DES with Core Wire Technology exemplifies our commitment to advancing our DES portfolio by combining cuttingedge engineering with proven components for a wide range of patients.”

The Resolute Onyx DES is supported by the RESOLUTE ONYX Core (2.25mm-4.0mm) Clinical

Study as well as the long-term safety and efficacy with low stent-thrombosis rates in the Global RESOLUTE Clinical Program. It uses the BioLinx™ polymer— specifically designed for DES—that features a unique hydrophilic and hydrophobic blend, allowing rapid endothelial healing with minimal inflammation and low risk of stent thrombosis.

The Resolute Onyx DES is available for use in the United States, as well as in Europe and other countries that recognize the CE (*Conformité Européene*) Mark.

In collaboration with leading clinicians, researchers and scientists worldwide, Medtronic offers the broadest range of innovative medical technology for the interventional and surgical treatment of cardiovascular disease and cardiac arrhythmias. The company strives to offer products and services that deliver clinical and economic value to healthcare consumers and providers around the world.

Multimedia Release

A multimedia version of this release, with downloadable images and video, can be found at:

http://oak.ctx.ly/r/5m1r3

About Medtronic

Medtronic plc (www.medtronic.com), headquartered in Dublin, Ireland, is among the world's largest medical technology, services and solutions companies – alleviating pain, restoring health and extending life for millions of people around the world. Medtronic employs more than 88,000 people worldwide, serving physicians, hospitals and patients in more than 160 countries. The company is focused on collaborating with stakeholders around the world to take healthcare Further, Together.

Any forward-looking statements are subject to risks and uncertainties such as those described in Medtronic's periodic reports on file with the Securities and Exchange Commission. Actual results may differ materially from anticipated results.

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