



THE QUEEN'S MEDICAL CENTER

FOR IMMEDIATE RELEASE

April 24, 2017

Media Contacts:

Cedric Yamanaka
(808) 691-4975
cyamanaka@queens.org

THE QUEEN'S MEDICAL CENTER OFFERS WORLD'S SMALLEST PACEMAKER

*Queen's Becomes First and Only Hospital in Hawaii to Provide Patients with the
Miniaturized Heart Device*

HONOLULU - The Queen's Medical Center today announced that it is the first hospital in Hawaii to offer the world's smallest pacemaker for patients with bradycardia.

The Micra[®] Transcatheter Pacing System (TPS) is a new type of heart device, approved for Medicare reimbursement, that provides patients with the most advanced pacing technology at one-tenth the size of a traditional pacemaker.

Bradycardia is a condition characterized by a slow or irregular heart rhythm, usually fewer than 60 beats per minute. At this rate, the heart is unable to pump enough oxygen-rich blood to the body during normal activity or exercise, causing dizziness, fatigue, shortness of breath or fainting spells. Pacemakers are the most common way to treat bradycardia to help restore the heart's normal rhythm and relieve symptoms by sending electrical impulses to the heart to increase the heart rate.

Comparable in size to a large vitamin, physicians at The Queen's Medical Center have elected to use Medtronic's Micra TPS because unlike traditional pacemakers, the device does not require cardiac wires (leads) or a surgical "pocket" under the skin to deliver a pacing therapy. Instead, the device is small enough to be delivered through a catheter and implanted directly into the heart with small tines, providing a safe alternative to conventional pacemakers without the complications associated with leads – all while being cosmetically invisible. The Micra TPS is also designed to automatically adjust pacing therapy based on a patient's activity levels.

For patients who need more than one heart device, the miniaturized Micra TPS was designed with a unique feature that enables it to be permanently turned off so it can remain in the body and a new device can be implanted without risk of electrical interaction.

The Micra TPS is the first and only transcatheter pacing system to be approved for both 1.5 and 3 Tesla (T) full-body magnetic resonance imaging (MRI) scans and is designed to allow patients to be followed by their physicians and send data remotely via the Medtronic CareLink[®] Network.



THE QUEEN'S MEDICAL CENTER

The Micra TPS was approved by the U.S. Food and Drug Administration in April 2016, and has been granted Medicare reimbursement, allowing broad patient access to the novel pacing technology.

###

The Queen's Medical Center (Queen's), a 501(c)(3) non-profit corporation established in 1859 by Queen Emma and King Kamehameha IV, is an acute care medical facility accredited by The Joint Commission. The facility is licensed for 575 acute beds and serves as the major tertiary and quaternary referral center for cancer, cardiovascular disease, neuroscience, orthopaedics, surgery, emergency medicine and behavioral health medicine. It is the state's designated trauma center verified as Level II by the American College of Surgeons. It has the only organ transplantation program in Hawaii. Queen's is a major teaching hospital, serving as a clinical training site for the residency programs sponsored by the John A. Burns School of Medicine at the University of Hawaii. Queen's is the only hospital in Hawaii to achieve Magnet® status – the highest institutional honor for hospital excellence – from the American Nurses Credentialing Center.