

## **I had a pacemaker implanted a few years ago, but I heard about a new MICRA Medtronic Pacemaker? What is that?**

Pacemakers are used to help patients that have a condition called bradycardia which is caused by a slower than normal heart rate. Normal is considered to be about 60 beats per minute but patients that suffer from bradycardia tend to have heart rates that can drop lower than 50 beats per minute. To help regulate this condition, a pacemaker is implanted to help electronically manage the patient's heart rate.

The MICRA Medtronic Pacemaker is a new type of leadless pacemaker that is 93% smaller than the traditional pacemaker, making it about the size of a large vitamin pill. It was approved for use by the FDA in April 2016. The most innovative feature on the MICRA Medtronic Pacemaker is its ability to detect your activity level and adjust accordingly. The estimated battery life is around 12 years but may vary between patients.

There is also a difference in how the new MICRA Medtronic Pacemaker are inserted which can be done through a catheter inserted into your vein in your leg during a minimally invasive procedure. The MICRA Medtronic Pacemaker comes with 48% fewer complications and a 99% successful implant rate according to a global patient trial. This pacemaker is also safe for MRI equipment and airport security.

The MICRA Medtronic Pacemaker is intended for patients who require single chamber pacing in the lower chamber of the heart (right ventricle). It is a good option for patients who are on kidney dialysis and patients who have occluded or small blood vessels (veins) that lead to the heart. Ask your doctor if the MICRA Medtronic Pacemaker is right for you.

For more information please contact the Wooster Heart Group at **330.202.5700**.