GOODLIFE **FITNESS GIVES CARDIAC REHABA BOOST**

Physical activity plays a critical role when patients are living with heart disease

"People who exercise have a much higher chance of successful recovery and improved long-term outcomes than those who don't," says Dr. Paul Oh, Medical Director of UHN's Cardiovascular Prevention and Rehabilitation Program and GoodLife Fitness Chair in Cardiovascular Rehabilitation and Prevention.

To help aid Peter Munk Cardiac Centre

patients in their recovery GoodLife Fitness recently donated more than \$330,000 in fitness equipment to Toronto Western Hospital and Toronto Rehab's Rumsey Centre (adding to an earlier donation worth \$143,000). These two locations provide rehab services to more than 2,500 patients each year. The new treadmills exercise bikes and elliptical machines will help cardiac patients make physical activity a part of their recovery

In 2012, GoodLife donated \$5-million to the centre's Cardiovascular Prevention and Rehabilitation Program with the goal of creating the best possible cardiac rehab program and supporting further research in this field. ■



PETER MUNK CARDIAC CENTRE **DOCTORS CELEBRATED WITH AWARDS**

World-renowned cardiac surgeon Dr. Tirone David has been bestowed the Honorary Fellowship of the Royal College of Surgeons of Edinburgh. It's the highest accolade granted by the college, one of the oldest of its kind in the world.

The honour is well-deserved. Since moving to Toronto in 1975, Dr. David has performed more than 15,000 open heart

surgeries, published more than 350 scientific papers and demonstrated complex surgical procedures around the world. (Read more about the life and career of Dr. David on

page 29.)

Dr. John Byrne, a vascular surgeon at the Peter Munk Cardiac Centre. is the 21st Wylie Scholar. The Wylie Scholar Program awards one outstanding surgeon-scientist annually in North America. Dr. Barry Rubin, Medical Director and Chair of the Peter Munk Cardiac Centre. was the first Canadian to win this award; Dr. Byrne is the second.

Dr. Byrne's research will study how abdominal aortic aneurysms develop and become inflamed, which could improve how physicians predict and treat those at high risk of a fatal rupture.

For more than 40 years, **Dr. Wayne Johnston** has trained generations of physicians and saved countless lives. Yet when he received a call from Canada's Governor-General's office earlier this year, he was surprised to learn he would be receiving one of the country's highest civilian honours: becoming a recipient of the Order of Canada.

"This is an honour that goes beyond the medical community and speaks to one's impact as a Canadian citizen," says Dr. Johnston, Medical Director of the Vascular Lab at the Peter Munk

Cardiac Centre. According to the Order of Canada website. Dr. Johnston receives his honour "for his foundational leadership as a surgeon, researcher and educator in the field

failure. of vascular surgery in Canada."

PROBING WHY VIRAL **INFECTIONS CAN CAUSE** HEART **FAILURE**

Heart failure is

commonly caused by

heart attacks, but did

you know that viral infections can lead to the condition too? Even a harmless common cold virus can do damage. While most colds clear up in a few weeks, in some people they persist and cause risky infections in other organs. Dr. Slava Epelman, a clinician-scientist with the Peter Munk Cardiac Centre and the Loretta Rogers Chair in Immunobioengineering at the Ted Rogers Centre for Heart Research, is examining which specific types of immune cells actually help prevent an infection from wreaking

havoc on the heart. The findings so far? Some cardiac immune cells generate antiviral T cells, which prevent long-term damage. The absence of these cells not only suppresses the anti-virus response, but can also lead to heart damage that weakens the organ's ability to

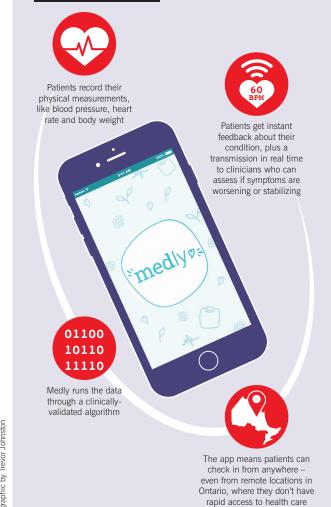
The results may eventually lead to new understanding about why only some people who contract viral infections of the heart go on to develop heart

APP HELPS PATIENTS MANAGE **SYMPTOMS FROM HOME**

After spending time in a hospital for heart failure, patients may have concerns about their condition between their six-month follow-up visits. They wonder: Is that heart flutter dangerous or benign? Is feeling dizzy a symptom of worsening cardiovascular disease or simply due to skipping breakfast? Many Canadians may head back to the hospital's emergency room, just in case.

But a new app called Medly is changing how heart failure patients at the Peter Munk Cardiac Centre manage their symptoms. Developed at University Heath Network, Medly can also help patients keep in contact with their health teams without leaving their homes.

HERE'S HOW IT WORKS:



NORTHERN EXPOSURE

Thunder Bay hospital and the Peter Munk Cardiac Centre partner in innovative program: one program, two sites

Not long ago, when people living in Thunder Bay and northwestern Ontario experienced cardiovascular problems requiring surgery, their lives were turned upside down again and again.

Not only were they required to travel to southern Ontario for face time with a cardiovascular diagnostic team in Toronto, Hamilton or London, but preoperative testing required travelling south too. Then, of course, there was another gruelling trip for the surgery.

only created a financial burden, but they placed undue stress on patients and families. But now that's changing, because of an innovative program in partnership with the Peter Munk

Multiple journeys not

Cardiac Centre. "Our motto is, 'one program, two sites," explains Helen Storev. the Thunder Bay Nurse Co-ordinator at the Peter Munk Cardiac Centre. "We're committed to providing the same level of care regardless of where the patient lives."

The "one program, two sites" program helps northwestern patients receive care closer to home, says Ms. Storey. There are two Peter Munk Cardiac Centre-trained vascular surgeons currently working at the Thunder Bay Regional Health Sciences Centre. On the cardiovascular side, two perfusionists healthcare professionals who use the cardiopulmonary bypass machine during cardiac surgery - are

now training at Toronto

General Hospital, so

they'll be ready to head north soon. What's more, four cardiovascular surgeons from the Peter Munk Cardiac Centre are already on rotation to travel to Thunder Bay and handle 12 clinics per year. The surgeons see patients preoperatively and then follow up with them in the months after their Toronto

surgeries. Because of this pioneering partnership between medical institutions, more people in Thunder Bay are getting cardiovascular care at home Medical professionals like Ms. Storey, a 35-year nursing veteran, help to bridge the two communities by offering attention and support.

"Nobody is getting lost in the shuffle," says Ms. Storev. ■

"We're committed to providing the same type and level of care regardless of where the patient lives."

Thunder Bay Nurse Co-ordinator at the Peter Munk Cardiac Centre

PETER MUNK CARDIAC CENTRE **WINTER 2019**