



"With the excitement of new opportunities at Cortellucci Vaughan Hospital, we envision bringing advanced cardiac care right here, close to home. Patients will receive timely and expedient care. This translates to more lives saved and quick return to their homes and normal routines."

— DR. PAUL CHONG, DIVISION HEAD OF CARDIOLOGY, MACKENZIE HEALTH

THE ULTIMATE IN CARDIAC CARE

WHEN AND WHERE IT'S NEEDED MOST

eart disease is one of the leading causes of hospitalization and death in Canada, affecting some 2.4 million Canadian adults and claiming more than 33,600 lives a year. Characterized by a buildup of plaque in the heart's arteries, heart disease could lead to a heart attack, stroke and, eventually, heart failure — the end stage of heart disease that occurs when the muscle is too damaged or weakened to pump blood efficiently. More than 600,000 Canadians are currently living with heart failure at a cost to the Canadian economy of more than \$2.8 billion a year.

Last year, approximately 7,200 new patients turned to Mackenzie Richmond Hill Hospital following a heart attack, chest pain or heart failure, an increase of six per cent from 2018.

The good news is more Canadians are surviving heart disease thanks to improved diagnostics and chronic disease management. But that also means more are living with chronic cardiac conditions such as heart failure. Five hundred and twenty-five patients were admitted to Mackenzie Health for heart failure in 2017/18 alone. High rates of obesity and inactivity are also putting more of our loved ones at risk at younger ages.

For both newly diagnosed and chronic cardiac patients, Mackenzie Health is the frontline for ultimate in care. When we open the doors to our new hospital in Vaughan and a second cardiac unit for patients living in southwest York Region, our capacity to deliver that lifesaving cardiac care will more than double.

THE JOURNEY TO HEART HEALTH

At Mackenzie Richmond Hill Hospital, the cardiac care journey often begins in the Emergency Department and includes a full range of laboratory tests, medical imaging and cardiac monitoring using a device to track the electrical activity of the heart. Our sickest patients are cared for in the four-bed Coronary Intensive Care Unit (CICU). About 15 per cent are transferred to a tertiary hospital — often the Regional Cardiac Care Program at Southlake Regional Health Centre — for open heart surgery or a procedure called catheterization, which involves inserting a catheter into an artery or vein and threading it through the blood vessels to diagnose and treat certain conditions in the heart. Most return for follow-up care in Mackenzie Health's cardiac inpatient unit or at our community-based rehabilitation program.



HELPING CARDIAC PATIENTS RETURN HOME SOONER

CORTELLUCCI VAUGHAN HOSPITAL'S CARDIAC UNIT WILL OFFER HIGH-TECH CARE

ith the launch of Mackenzie
Health's two-hospital system, we
will realize our vision to care for the
growing number and complexity of
cardiac patients in our community. The
new 107,000-square-foot Cardiac Unit
on Cortellucci Vaughan Hospital's sixth
floor will include up to 36 inpatient
beds for patients experiencing the signs

and symptoms of heart disease or heart failure, recovering from a heart attack, awaiting transfer for heart surgery or newly transferred to Mackenzie Health to recover from a high-risk procedure. Our sickest cardiac patients will receive intensive care within the hospital's second-floor Critical Care Unit.



DESIGNED FOR HEALING

Inspired by research that shows a positive link between healing environments and patient outcomes, 80 per cent of the cardiac inpatient rooms at Cortellucci Vaughan Hospital will be private with lots of natural light and a sofa bed for visitors. Specially-trained critical care nurses will offer steady care from nearby documentation stations equipped with computer access to each patient's electronic medical records, including test results.



Cardiac patients requiring lifesaving monitoring or care need health care providers trained to respond quickly in a unit equipped with the latest critical care equipment and resources. That's why Cortellucci Vaughan Hospital's second-floor, 21-bed Critical Care Unit will care for high-risk cardiac patients. Each of the critical care rooms will be private and feature floor-to-ceiling windows, moveable technologies and suspension arms to keep lifesaving monitors and pumps in easy reach.



KEEPING THE BEAT

Cardiac telemetry — monitoring the patient's heart rhythm for an extended time — is a cornerstone of every cardiac unit. At Cortellucci Vaughan Hospital, the first community hospital in Canada with integrated smart technology, this critical cardiac diagnostic tool will be more accurate and less invasive. Cardiac inpatients will have access to remote wireless cardiac monitoring, which can track their heart rate and rhythm from anywhere in their room, unit or hospital, providing cardiologists with a realistic picture of heart function no matter where their patient goes.



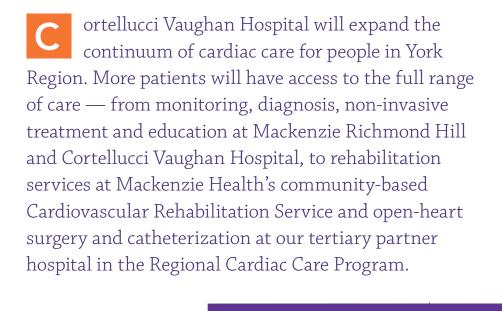
Patients experiencing heart failure are living longer with their damaged hearts, but not without constant hospital care. Experts estimate that one in every five of these patients return to hospital within 30 days of their last admission. Increasing the number of available cardiac beds in southwest York Region will mean more patients will be able to access the care they need close to home, reducing the psychological and physical burden on themselves and their family.



EDUCATION AT THE BEDSIDE

Following a cardiac admission, our goal becomes educating the patient and family on health wellness. At Cortellucci Vaughan Hospital, smart bedside tablets will feature online educational modules customized for each patient's unique needs. The MyCare tablet will also link directly to each patient's health record so staff can assign lessons on rehabilitation and prevention and then track participation to ensure they have the best chance for a full and healthy life.

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Each pod will include 10 private and two semi-private rooms.



The 36-bed cardiac inpatient unit will be organized into three pods of 12 rooms grouped around a central nursing station.



Cortellucci Vaughan Hospital will match the exceptional care offered at Mackenzie Richmond Hill Hospital with a full range of cardiac testing, including electrocardiography (ECG), exercise stress testing and echocardiography services.



Discharged patients will learn how to reduce their risk and create a healthier lifestyle at Mackenzie Health's Cardiovascular Rehabilitation Service five minutes down the road from Mackenzie Richmond Hill Hospital.



smart bedside tablet, MyCare, will include education modules, translation services, meal selection, and room lighting and



CARDIAC UNIT

Cortellucci Vaughan Hospital's 21-bed Critical Care Unit will ensure high-risk cardiac patients have rapid access to lifesaving equipment and highly skilled medical specialists.



.... The Critical Care Unit will include dedicated elevator access from the Magna Emergency so patients can be transferred easily before and after open-heart surgery or catheterization at nearby Southlake Regional Health Centre.



Mackenzie Health's customized videoconferencing, entertainment, temperature controls.

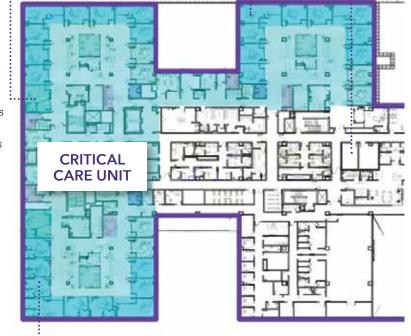


The Critical Care Unit will offer the added benefit of isolationready rooms for patients who present with both critical cardiac concerns and a potentially contagious infection.



Designed to encourage healing, every patient room will be bright and spacious with private washrooms and ample room for visitors.







Remote cardiac monitoring throughout the cardiac unit will allow patients to enhance their recovery with modest physical activity and time spent in the hospital's lounges, courtyard and cafeteria.

GETTING BACK ON COURSE WITH CARDIAC REHAB

routine game of golf turned into a fight for his life when David Randall suddenly collapsed on the course last summer. A nearby off-duty nurse and a friend with CPR training were unable to find a pulse.

David was rushed to the hospital where doctors discovered that he had suffered both a heart attack and severe head trauma from his fall to the ground. They placed him in a medically-induced coma and warned his wife, Michelle, that there was only a 50 per cent change he would make it through the night. If he did survive, they worried he would have brain damage.

But David was always one to defy the odds. Upon waking, he immediately recognized is family. A day later, he was transferred to Mackenzie Richmond Hill Hospital for follow-up care from cardiologist Dr. Grace Chua.

"I was a lucky guy. There was significant damage to both sides of my heart. I started medication and a month later I was home walking around the block." That was also the last day he smoked a cigarette.

The real turning point, however, came during the 13 months David spent in Mackenzie Health's Cardiovascular Rehabilitation program. "You hear about heart attacks all the time," he says, "but until you've had one, you have no idea how much cardiac rehab can help. To have a facility and team of that quality in our community was life-changing."

"Cardiac rehab allowed me to take my life back."

— DAVID RANDALL



HELP US CREATE THE ULTIMATE

To help build and equip Cortellucci Vaughan Hospital and enhance care at Mackenzie Richmond Hill Hospital, Mackenzie Health Foundation is spearheading the \$250-million Ultimate campaign — the largest fundraising drive led by a community hospital in Canada. We need your support to make it happen. Your leadership investment will help us double our capacity to care for the people in this region who rely on us for cardiac care. Together we can ensure they have a state-of-the-art space to access monitoring and treatment and optimize recovery, so they can get home and back to their lives sooner.

If you have any questions about Mackenzie Health's vision of patient care, the Ultimate campaign or to discuss this opportunity in more detail, please contact:

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