

A photograph of surgeons in an operating room. In the foreground, a surgeon on the left wears a black patterned scrub cap and a light blue surgical mask. Another surgeon on the right wears a green scrub cap and a clear face shield. A large, bright surgical light with five circular lenses is positioned above them. The background is dark, and the overall scene is clinical and professional.

INVESTING IN ADVANCED SURGERY AT MACKENZIE HEALTH



Mackenzie
Health
Foundation

THE ULTIMATE SUITS YOU



EMPOWERING THE ULTIMATE

Minimally-invasive surgery is part of Mackenzie Health's commitment to patient-centred care. Performed with leading-edge technology like high-tech scopes and specialized instruments, it helps patients heal faster and go home sooner – and it's the kind of innovative surgical care our community deserves.

Of the dozens of patients who receive surgery at Mackenzie Richmond Hill Hospital every day, as many as 70 per cent benefit from minimally-invasive techniques, whether it's to diagnose kidney stones or treat colon cancer. And with our expanded surgical program at Cortellucci Vaughan Hospital, we offer the best minimally-invasive techniques to even more patients, delivering exceptional care with less pain and fewer complications than ever before.

Maintaining these vital care centres means continuously updating critical technology. With your support today, we will always be on the leading-edge of surgical care.



GETTING PEOPLE HOME AND BACK TO THEIR LIVES SOONER

The future of surgery at Mackenzie Health involves minimally-invasive techniques and procedures that get most patients home in less than 48 hours — a fraction of the time of most open surgery cases — and with less discomfort and risk of complication.

Also called “laparoscopic” or “keyhole surgery”, minimally-invasive surgery (MIS) involves inserting a long, thin, flexible tube called an endoscope into a small incision or natural opening on the body. Using a tiny camera and a video screen, surgeons insert surgical instruments through the scope to pinpoint and treat a wide range of diseases and conditions.

Thanks to this specialized equipment:

- Mackenzie Health’s skilled urologists are removing more complex kidney stones than any other community or tertiary hospital in the Greater Toronto Area;
- we’re treating colon and rectal cancer patients who were previously only able to receive treatment at downtown Toronto hospitals;
- we’re one of the few community hospitals with the MIS expertise to complete a full gastrectomy — complete removal of the stomach, often owing to cancer;
- Mackenzie Health surgeons are breaking ground with an organ-sparing approach to kidney cancer that is keeping cancer at bay and more patients off dialysis and out of hospital; and
- patients with enlarged prostates are returning home within 24 hours of having the organ removed with little to no blood loss, enabling their rapid return to normal activity.



ON THE VANGUARD OF SURGICAL CARE

At Cortellucci Vaughan Hospital, every operating room features thoughtful design and cutting-edge, world-class technologies, from ceiling-mounted surgical arms to video monitors to high-tech scopes with cameras. Complementing the minimally-invasive expertise currently available at Mackenzie Richmond Hill Hospital, the Surgical Unit at Cortellucci Vaughan Hospital features seven operating suites, two interventional radiology rooms and one procedure room on the hospital's second floor.



This is an operating suite, which includes ceiling-mounted surgical arms, video monitors and anaesthetic equipment, among many other features.



BUILT FOR MINIMALLY-INVASIVE SURGERY

Both Mackenzie Health hospital sites are equipped for the latest surgical techniques. At Mackenzie Richmond Hill Hospital, ceiling-mounted surgical arms, video monitors and portable imaging technologies in two operating suites support minimally-invasive surgery, while at Cortellucci Vaughan Hospital, the suites also accommodate more complex open surgeries.



CARE THAT REVOLVES AROUND THE PATIENT

Cortellucci Vaughan Hospital surgical patients benefit from a one-way flow design that efficiently and seamlessly transitions them from pre- to post-surgery. The journey begins with the transfer from pre-op to a staging area, where patients can meet privately with their surgeon and nursing team. Following surgery, they recover in the Post-Anesthesia Care Unit (PACU), which is directly accessible from the operating room without the need for a hallway transfer. Not just a means of maintaining privacy and reducing patient anxiety, this one-way flow model increases efficiency and streamlines care for every patient.



FAST-TRACK COLLABORATION

Immediately adjacent to Cortellucci Vaughan Hospital's operating suites, two interventional radiology suites offer surgeons the opportunity to consult and collaborate mid-surgery with Mackenzie Health radiologists skilled in using minimally-invasive, image-guided procedures to diagnose and treat disease. For example, if the urologists discover a blockage of the ureter during an operating room procedure, the interventional radiology team is available to place a tube directly into the kidney to help drain urine and bypass the obstruction, preventing the need for a follow-up procedure.



WIRED FOR EFFICIENCY

Thanks to Cortellucci Vaughan Hospital's streamlined patient care model and smart information system, health care providers are able to prep for surgery faster. Doctors and nurses have more opportunities to inform, monitor and comfort their patients privately in the staging area and the PACU. The electronic medical records system also provides invaluable patient care data to physicians — such as surgery notes and time spent in each phase of pre-op, surgery and recovery — to help improve efficiency and shape future decision-making and care.



CORTELLUCCI VAUGHAN HOSPITAL'S SURGICAL UNIT

The Surgical Unit at Cortellucci Vaughan Hospital was built around the priority needs of our patients and Mackenzie Health's evolving strengths in minimally-invasive care.



Did you know provincial funding only covers our capital and operating costs? That means all the leading-edge medical tools we need to serve and support our community are purchased through donations from people like you. Help us stay ahead of the smart-tech curve by making an investment in the ultimate in care — for today and tomorrow.



Each of the seven operating rooms was custom-built to support minimally-invasive and complex open surgeries.



Three of the operating rooms are slightly larger to support complicated spine surgeries. Another has the capacity to accommodate the newest advances in MIS technologies.



Every two operating rooms share an equipment supply room, stocked in advance and readily accessible to the surgical team.



The operating suites feature the ability to access patient digital images, such as X-rays or scope video recordings, using a screen mounted on a boom above the bed. The technology also allows surgeons to consult with colleagues in real time via videoconference.



Cortellucci Vaughan Hospital's innovative model of care transfers patients seamlessly through pre-op to the operating room and into recovery.



Designed for comfort, the surgical waiting room features a digital status board that offers confidential real-time updates on each stage of a patient's surgery.





THE ULTIMATE IN CARE, CLOSE TO HOME

It was after a Zumba class that Lisa Cilia began feeling under the weather and noticed blood in her urine. This went on for days, and her family doctor assumed it was a urinary tract infection. But when months passed and repeated rounds of antibiotics failed to quell the symptoms, Lisa was referred to Mackenzie Health.

An X-ray revealed the 45-year-old wife and mother of three had staghorn stones, calcified stones filling multiple branches of the renal pelvis of both kidneys. “It was like someone poured concrete into every cavity,” Lisa describes.

At risk of a complete and potentially life-threatening blockage, she was scheduled for laparoscopic surgery at Mackenzie Richmond Hill Hospital. Doctors successfully removed the first stone, piece by piece, over the span of more than five hours. Six weeks later, Lisa returned for surgery on the second kidney. A third minimally-invasive procedure involved adding stents to help her pass any remaining fragments. All told, Lisa spent just one night in hospital and missed six weeks of work — equivalent to the recovery from a single invasive kidney procedure.

Today, Lisa is healthy, happy and grateful for the Mackenzie Health expertise that saved both her life and her kidneys. “Our community needs to know that this quality of care exists, that you don’t need to go to Toronto to receive it.”

HELP US STAY ON THE LEADING EDGE

Mackenzie Health has ushered in a new era of leading-edge health care for western York Region, driven by the power of smart technology and the promise of better patient outcomes.

Join us as we work to ensure our powerful new two-hospital health care network — and the growing number of medical experts who call it home — have the advanced technology they need to save lives, now and in the future.

If you would like to learn more about how you can support Mackenzie Health’s technology-driven surgical future,

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