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**CARLO FIDANI REGIONAL CANCER CENTRE THE FIRST IN EASTERN CANADA
TO USE INNOVATIVE CANCER TREATMENT TECHNOLOGY**

New technology improving quality of care and access to radiation treatment

February 17, 2022 (MISSISSAUGA, ON) – The Carlo Fidani Regional Cancer Centre at Trillium Health Partners (THP) is now the first hospital in Eastern Canada to treat patients using HyperArc, an innovative cancer treatment technology that will improve health outcomes, reduce wait times and increase accessibility to treatment.

HyperArc is a hardware and software platform that delivers highly precise radiosurgical treatment to patients with multiple brain metastases, tumours which result from cancer spreading from one part of the body to the brain. Prior to implementation of HyperArc, radiosurgery at THP required treatment of one brain metastasis at a time. With HyperArc technology, THP can treat patients with multiple brain metastases in a single treatment. As an example, for a patient with seven brain metastases, HyperArc reduced the total planning and treatment time from an estimated 31.5 hours to 9.5 hours.

“This new technology will help us deliver even better care to our patients and result in more positive experiences throughout their cancer journey, while also benefitting our growing community by increasing access to treatment,” said Dr. Joan Murphy, Vice President, Patient Care Services, Oncology, Trillium Health Partners & Regional Vice President, Ontario Health (Cancer Care Ontario). “We are committed to continue to find innovative ways to improve the quality of care and quality of life of cancer patients at the Carlo Fidani Regional Cancer Centre. Our priority is to deliver high quality, accessible and sustainable care to shape a healthier tomorrow.”

By significantly reducing the treatment time of each patient, HyperArc technology will increase capacity on the linear accelerator (LINAC) devices used for radiosurgical treatment and reduce the impact on hospital resources. THP’s radiation program operates longer and treats more patients per LINAC than any other radiation program in the province.

“We are proud to be the first cancer centre in Eastern Canada to use this innovative technology, and the first in Canada to treat patients with more than five brain metastases,” said Dr. Anthony Brade, Division Head – Radiation Oncology, Trillium Health Partners & Regional Radiation Oncology Lead, Regional Cancer Program. “This will not only improve our patients’ experience and outcomes but it will help us ensure we have the much-needed capacity to deliver high quality, safe and efficient cancer care to our growing community.”

“The treatment was so quick and easy to go through. It’s amazing to be able to have all those spots treated in one visit so close to home,” said Terena Burton, one of the first patients at THP to receive cancer treatment using HyperArc. “I would have been facing five or six hours of treatment in three visits otherwise. I’m so impressed with the radiation team at Trillium Health Partners.”

Quick Facts

- Brain metastases affect up to 30 per cent of all cancer patients.
- Any type of cancer can spread to the brain, but the most common types of cancer that spread to the brain are lung (accounts for about half of all brain metastases), breast, melanoma, kidney, and colorectal.
- Each LINAC at THP is operated for 13 hours a day, the average across Ontario hospitals is 10.2 hours a day. At THP, there are almost 11,000 treatment visits per LINAC annually, the provincial average is about 6,000 treatment visits per LINAC annually.

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Trillium Health Partners

Trillium Health Partners is one of the largest community-based hospital systems in Canada. Comprised of Credit Valley Hospital, the Mississauga Hospital and the Queensway Health Centre, Trillium Health Partners serves the growing and diverse populations of Mississauga, West Toronto and surrounding communities. Trillium Health Partners is a teaching hospital affiliated with the University of Toronto and is an associate member of the Toronto Academic Health Science Network.

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