

## **Buffalo Medical Group Unveils All Digital Radiation Therapy System** *New Linear Accelerator Enhances Accuracy, Effectiveness in Treating Cancer*

WILLIAMSVILLE, NY – Signaling its ongoing commitment to deliver the highest quality cancer care, Buffalo Medical Group, PC, has acquired an Elekta Synergy® all digital radiation treatment system.

The technologically- advanced system features Image-Guided Radiotherapy (IGRT); Intensity Modulated Radiation Therapy (IMRT), and Volumetric Modulated Arc Therapy (VMAT) that enable physicians to target tumors precisely and more rapidly with radiation therapy than previously.

BMG recently installed the multi-functional linear accelerator in its main Williamsville office at 295 Essjay Road, and began treating patients with the new radiation system in early November.

The sophisticated radiation treatment system integrates a suite of imaging tools to provide clinicians with high quality, three dimensional patient images at the time of treatment. Elekta Synergy® is the only all digital linear accelerator with IMRT, IGRT and arc therapy.

“This state-of-the-art linear accelerator will enable us to treat tumors more aggressively while minimizing damage to the surrounding tissue,” explained Moneer A. Khalil, MD, Buffalo Medical Group’s director of Radiation Medicine. “In addition to enhancing accuracy, the system reduces or eliminates the need to implant markers because our clinicians will be able to visualize soft tissue detail.”

Michelle A. Roesler, BMG director of Ancillary Services, noted that the new system is the same as that used at major cancer centers across the country. Ms. Roesler, who coordinated the installation of the new linear accelerator, said traditional radiation therapy requires imaging studies to be done several days before treatment to determine the precise location of tumors and normal surrounding tissue.

“The new linear accelerator will make it possible for our radiation therapy clinicians to obtain images immediately before treatment with the patient in the exact position in which he or she will be treated,” she remarked. “This will reduce the chance for errors in tumor targeting and positioning, and also provide us with the ability to increase the dose to the tumor itself because of increased certainty as to its precise location.”

Noting that BMG has been a major provider of comprehensive cancer care for more than 45 years, she added, “In essence, the Elekta Synergy® technology enhances

our efforts to improve the quality of lives for our cancer patients and improve their chances for long-term survival.”

BMG has provided radiation therapy services for more than 14 years and treats an average of 2,400 cancer patients annually. Approximately 67,000 radiation therapy treatments are performed each year by BMG radiation medicine clinicians.

Founded in 1946, Buffalo Medical Group, PC, is among the oldest and largest multi-specialty physician practice groups in New York State and the largest in Western New York. With 90 specialists and sub-specialists as well as a team of 740 nurses, technologists, and other health care professionals, BMG records more than 400,000 outpatient visits annually at its main locations in Buffalo, Williamsville, and Orchard Park and 23 satellite sites.

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