

## West Boca Radiation Oncology Commences Treating their First Cancer Patient Using RapidArc™ Radiotherapy Technology, a Fast, Precise Cancer Treatment



July 21, 2009

*Technology from Varian Medical Systems has potential to improve cancer care while reducing the cost of treatment*

West Boca Radiation Oncology (WBRO) in Boca Raton, FL, has commenced treating cancer patients using RapidArc™ radiotherapy technology, a fast, precise form of treatment using the latest cancer care technology from Varian Medical Systems. The new RapidArc treatment is two to eight times faster than conventional forms of radiotherapy.

“RapidArc is a giant leap forward in providing patients with the most effective radiation therapy possible,” said Bruce Phillips, M.D., Medical Director of WBRO. “This highly precise technology delivers advanced Intensity Modulated Radiotherapy (IMRT) faster than is possible with conventional radiotherapy technologies while sparing the surrounding healthy tissue. By increasing both the speed and accuracy of the treatment, it makes it possible for the patient to potentially have a better outcome with fewer side effects.”

West Boca Radiation Oncology’s RapidArc radiotherapy treatment is delivered with just a single rotation of the treatment machine around the patient. During the rotations the treatment beam is continually shaped and reshaped according to the size, shape, and position of the tumor within the body.

The beam shaping is accomplished using a beam-shaping device called a multi-leaf collimator (MLC). This device has 120 computer-controlled mechanical “leaves” or “fingers” that move to create apertures of different shapes and sizes. During a RapidArc treatment, specialized software algorithms vary three parameters simultaneously: the spread of rotation around the patient, the shape of the MLC aperture, and the dose delivery rate.

Treatment planning comparisons show that in many cases, RapidArc concentrates the dose more closely on the tumor than conventional fixed beam treatments. Additionally, studies show that faster treatment times can help to minimize the effects of tumor motion during treatment, and potentially lead to a greater rate in destroying cancerous cells.

RapidArc radiotherapy technology has now been used for the treatment of prostate, head and neck, lung, brain, spine, bone, gynecological, and soft tissue cancers.

The American Cancer Society estimates that, in the State of Florida, there are 102,210 new cancer cases diagnosed for 2009.

For more information regarding West Boca Radiation Oncology or to schedule an appointment, please contact (561) 226-4180.

Contact Information

West Boca Radiation Oncology  
9960 Central Park Boulevard North, Suite 100  
Boca Raton, Florida 33428

*p.* (561) 226.4180

*f.* (561) 226.4199

*e.* [wbro@westbocaradonc.com](mailto:wbro@westbocaradonc.com)

About Cancer Treatment Services International, L.P.

Cancer Treatment Services International L.P. (CTSI L.P.) is a provider of comprehensive treatment for cancer patients with a main focus on medical oncology and radiation oncology. The company was founded by a core group of physicians and businessmen with substantial experience in the development, operation and networking of cancer services on a national and international level. CTSI is able to provide innovative and technologically-advanced treatment solutions to areas of the world where therapy is currently inadequate in either quality or capacity. The company currently operates clinics and has development projects both in the U.S. and internationally.

<http://www.cancertreatmentservices.com>