



**GAMMA WEST**  
CANCER SERVICES  
gammawest.com

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674 West 800 North Suite B-10  
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Phone: 801-852-0210

**Board Certified  
Radiation Oncologists**

- John K. Hayes, Jr., MS, MD
- Roger S. Hansen, MD
- C. Leland Rogers, MD
- Robert A. Harris, MD
- Ray S. Richards, MD
- Mark W. Reilly, MD
- James W. Clarke, MD



## Gamma West Cancer Services Press Release

November 5, 2010

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### FOR IMMEDIATE RELEASE

#### **Gamma West Cancer Services Offers Cancer Patients Most Advanced Radiation Treatments**

St. George, Utah (November 5, 2010) – Residents of St. George, Utah and surrounding areas can now access locally the world's most advanced cancer treatment system. Gamma West Cancer Services is pleased to announce the opening of a new Tomotherapy® Cancer Treatment Center in St. George, Utah. The Tomotherapy solution can be used to treat a wide variety of cancers, from the most common to the most complex. The ring gantry-based Tomotherapy platform combines integrated computerized tomography (CT) imaging with conformal radiation therapy to deliver sophisticated radiation treatments with speed and precision while reducing radiation exposure to surrounding healthy tissue. The public is invited to the open house of Gamma West's newly constructed cancer treatment facility at 900 South and River Road in St. George (1308 East 900 South), this coming Friday, November 12th. The ribbon cutting ceremony will be at 10:00 a.m. A public open house will immediately follow the ribbon ceremony from 10:30am to 12:30pm. The public will be able to meet the physicians and clinical team, ask questions and view the Tomotherapy® machine.

Gamma West Cancer Services purchased Tomotherapy's flagship Hi-Art® treatment system. The system is known as a fully-integrated radiology and radiation delivery system that utilizes a ring-gantry that revolves 360° around the patient being treated combining the powerful precision of a CT scanner and linear accelerator for the delivery of image-guided, intensity-modulated radiation therapy (IG-IMRT). The Tomotherapy Hi-Art system also enables development of sophisticated treatment plans. These very specific plans then allow the system to utilize its unique helical radiation delivery capabilities for precise tumor targeting from all angles around the patient while sparing normal, healthy tissue. With imaging capabilities built into the Tomotherapy system, highly skilled clinicians can acquire daily 3D CT images to ensure accurate delivery of radiation, thus minimizing damage to surrounding normal tissues and structures while reducing side-effects for patients. Having access to CT images of the patients anatomy on the same physical equipment used to treat the patient brings physician's unprecedented confidence that tumors will receive their intended dosage from one day to the next.



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Another major difference is the way that radiation hits the treatment area. A single beam of radiation is modulated into smaller “beamlets”, which are delivered in a helical pattern, from any point in a 360° radius around the patient. Typically, tens of thousands of beamlets are included in this unique delivery pattern. With that many beamlets, delivered from all angles around the patient, dose conforms to the tumor and avoids critical organs like never before—which can mean improved outcomes, fewer side effects and a higher quality of life.

“We researched several options and concluded that this technology is different and unique, essentially a step above the rest,” explains Dr. John K. Hayes, Gamma West founder, President and Medical Director. “We are certain that our patients will benefit tremendously from TomoTherapy treatments since the radiation can be pinpointed exactly where it needs to go, minimizing damage to healthy tissues and reducing side effects.”

“By combining image guidance and the most precise delivery pattern possible, TomoTherapy optimizes the tools of radiation therapy, while simplifying the process,” says Dr. Fred Robertson, CEO of Madison, Wisconsin-based TomoTherapy Incorporated, manufacturer of the Hi-Art treatment system. “The patients benefit greatly, and we make life easier on our treatment center partners, too. That’s why each new installation is so rewarding for us. And this one is certainly no exception.”

How the TomoTherapy Hi-Art treatment system works:

1. Before each treatment, the patient, lying on the couch, moves through the Hi-Art machine for a CT scan, called a CTrue image. Images taken verify the shape, size and location of the tumor.
2. The CTrue image is compared to the original planning CT image (which may have been taken days before). If necessary, adjustments to the plan and patient set-up are made immediately.
3. The patient then moves through the Hi-Art treatment system again where radiation is delivered in tens of thousands of beamlets in a helical pattern (360°) around the tumor.
4. Each procedure takes approximately 15 to 20 minutes.

**About Gamma West Cancer Services**

Gamma West Cancer Services is based in Salt Lake City, Utah with 8 clinics from St. George to Ogden, Utah. Gamma West was founded by John K. Hayes, MD, a pioneer in the delivery of radiation therapy using brachytherapy (given by placing a radioactive seed or source directly in or near the tumor). Today, Gamma West is one of the largest providers of brachytherapy treatments by volume in the United States.



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The Gamma West Cancer Services team in St. George is led by Board Certified Radiation Oncologist Ray S. Richards, M.D. Dr. Richards has served cancer patients in the St. George area for over 20 years, utilizing radiation therapy as a very powerful anti-cancer tool. Dr. Richards is supported by an outstanding team that includes James W. Clarke, MD, also a Board Certified Radiation Oncologist, radiation oncology nurses, dosimetrists, therapists, medical physicists, administrative and support staff.

**About TomoTherapy Incorporated**

TomoTherapy® Incorporated has developed, manufactures and sells the Hi-Art® system, one of the most advanced and versatile radiation therapy systems commercially available for the treatment of a wide variety of cancers. TomoTherapy Incorporated markets the Hi-Art® treatment system to university research centers, hospitals, private and governmental institutions and cancer treatment centers in North America, Europe and Asia.