



**GAMMA WEST**  
**CANCER SERVICES**  
 gammawest.com



An independent service of  
 GammaWest Cancer Services located  
 on the campus of St. Mark's Hospital

**Ogden Regional  
 Medical Center**  
 425 East 5350 South, Suite 180  
 Ogden, Utah 84405  
 Phone: 801-475-4571

**Davis Hospital and  
 Medical Center**  
 Bitner Medical Building  
 2132 North 1700 West  
 Layton, Utah 84041  
 Phone: 801-807-7777

**Salt Lake Regional  
 Medical Center**  
 1050 East South Temple  
 Salt Lake City, Utah 84102  
 Phone: 801-350-8400

**TomoTherapy Radiation  
 Therapy Center**  
 St. Mark's Hospital Campus  
 1250 East 3900 South, Suite 10  
 Salt Lake City, Utah 84124  
 Phone: 801-456-8401

**Timpanogos Regional  
 Hospital**  
 674 West 800 North, Suite B-10  
 Orem, Utah 84057  
 Phone: 801-852-0210

**TomoTherapy Cancer Center**  
 1308 East 900 South  
 St. George, Utah 84790  
 Phone: 435-767-9104

**Administrative Offices**  
 24 South 1100 East, Suite 306  
 Salt Lake City, Utah 84102-1507  
 Phone: 801-359-8956

**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**

January 6, 2012  
 Contact: Dave Vincent  
 Title: Chief Executive Officer, Gamma West Cancer Services  
 Phone: 801-359-8956  
 dvincent@gammawest.com

**FOR IMMEDIATE RELEASE**

**Gamma West Cancer Services Opens New TomoTherapy® Radiation Therapy Center as an independent service on the Campus of St. Mark's Hospital – Providing Cancer Patients with the most Advanced Cancer Treatment Solutions**

Salt Lake City, Utah (January 2, 2012) – Residents of Salt Lake County and surrounding areas now have local access to the world's most advanced radiation therapy cancer delivery system known as the TomoTherapy Hi-Art® Treatment System from Accuray Inc. Gamma West Cancer Services is pleased to announce the opening of a new TomoTherapy Radiation Therapy Center as an independent service on the campus of St. Mark's Hospital. The TomoTherapy system is 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 on Friday, January 13th on the campus of St. Mark's Hospital in the East Medical Building.** The address is 1250 East 3900 South Suite 10, SLC, Utah 84124. Parking is available in the East parking garage or ground parking directly to the East of the Medical Building. **The ribbon cutting ceremony will be at 10:00 a.m. A public open house will immediately follow the ribbon cutting ceremony from 10:30 a.m. to 12:30 p.m.** TomoTherapy was invented in the United States in Madison, Wisconsin by a renowned physicist, Rock Mackie, who will be at the grand opening. The public and media will be able to meet the inventor, Gamma West Cancer Services physicians and clinical team to ask questions and view the TomoTherapy® machine.

Gamma West Cancer Services purchased TomoTherapy's flagship Hi-Art® treatment system (see illustration below). 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 the development of sophisticated treatment plans. These very specific plans utilize TomoTherapy's unique helical radiation delivery capabilities for precise tumor targeting from all angles around the patient while sparing normal, healthy



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**TomoTherapy®**

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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.



**TomoTherapy Hi-Art® Treatment System**

Another major difference from current technologies 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 and Chief Medical Officer. “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. Rock Mackie, inventor of the TomoTherapy Hi-Art® Treatment System. “The



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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, Jr., MS, MD, a pioneer in the delivery of radiation therapy using brachytherapy (radiation treatment given by placing a radioactive seed directly in or near the tumor). Today, Gamma West is one of the largest providers of brachytherapy treatments (by volume) in the United States. Gamma West combines TomoTherapy and Brachytherapy as appropriate to provide patients with the greatest opportunity for cure.

**About Accuray**

Accuray is the premier radiation oncology company that develops, manufactures and sells personalized innovative treatment solutions that set the standard of care, with the aim of helping patients live longer, better lives. The Company's leading-edge technologies – the CyberKnife and TomoTherapy Systems – are designed to deliver radiosurgery, stereotactic body radiation therapy, intensity modulated radiation therapy, image-guided radiation therapy and adaptive radiation therapy.