An Innovation in the Treatment of Cancer
What TomoTherapy® Technology Means for You
When it comes to choosing the right treatment for your cancer, your team of healthcare professionals is here for you. We want to help you understand your options— including one of the most innovative and personalized treatment systems available in the world.

The TomoTherapy® System really was designed to revolve around you. Not only does the system itself physically revolve around your body during treatment, it also allows us to customize certain aspects of your treatment in ways formerly not possible. And, in addition to focusing on your health, TomoTherapy technology revolves around your time, comfort and safety.

We believe in what the TomoTherapy technology— combined with the expertise of our team— can do for your cancer treatment. It’s a fight for your life, and we’re fighting to win.
SURVIVOR STORY
Laurens never missed a day of a work – or a tee time – during his TomoTherapy® treatments. At age 65, he knows many men treated with traditional radiation therapy for prostate cancer. He was prepared for a grueling experience.

“My golfing buddy was treated with ‘old fashioned ordinary radiation’ at the same time,” Pierce says. “We’d compare notes every Sunday. He had diarrhea, lost his hair… and worse. I didn’t.”

“I never missed work. Never had a side effect. ...I never even missed my Sunday golf.”
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<thead>
<tr>
<th>Why TomoTherapy®?</th>
<th>What is TomoTherapy Technology?</th>
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<tbody>
<tr>
<td><strong>The TomoTherapy System:</strong></td>
<td><strong>Advanced, image-guided, intensity-modulated radiation therapy (IMRT) that:</strong></td>
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<td>• Is one of the most integrated, advanced systems for comprehensive cancer treatment available today. The all-in-one system lets your physicians scan and treat you with a single piece of equipment, which makes it faster, more accurate and convenient.</td>
<td>• Is a revolutionary innovation that fights cancer in ways doctors used to only imagine.</td>
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<td>• Provides highly precise targeting and attacking of cancer cells. This helps to effectively treat simple to hard-to-reach and complex tumors.</td>
<td>• Is the only radiation therapy system designed on a CT scanner foundation. The system looks like a CT scanner because it is one. Advanced radiation technology is built in, letting your team complete your treatment all in one place.</td>
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<td>• Customizes treatment delivery specifically for you. The TomoTherapy System lets your radiation oncology team design a personalized treatment plan for you and adjust it at any time during your course of treatment.</td>
<td>• Uses daily imaging to guide the treatment each day – so doctors can adjust your treatment as they go based on even the smallest changes in your anatomy.</td>
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<td>• Minimizes damage to surrounding healthy tissue, so you have a lower risk of pain and complications.</td>
<td>• Is capable of treating small, large and multiple tumors – in multiple areas of the body – during the same treatment session or course of treatment.</td>
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<td>• Helps you live your life during the course of treatment. Treatment itself takes only a few minutes a day, and you’re in and out in as little as 15 minutes.</td>
<td>• Attacks tumors with highly precise radiation delivered from 360 degrees around you – which increases the control doctors have in getting radiation where it needs to be and helps to decrease the damage to surrounding healthy tissue and organs.</td>
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<td>• Can often treat cancers that have returned, even if you’ve already had radiation therapy. Even if you’ve been told by others that you’re not a candidate for more radiation.</td>
<td>• Can be adapted at any point to best deliver your treatment, making sure you get the right dosage, in the right places, at the right time.</td>
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<td>• Is non-invasive, and as painless as having a CT scan or an x-ray.</td>
<td>• Documented advantages: Hundreds of scientific papers have been written on the use of the TomoTherapy System in clinics worldwide. Many show how its unique design results in superior treatment plans and improved clinical outcomes compared with traditional radiation therapy.</td>
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<td>• Can result in fewer and less severe side effects. Many patients feel better than they expected they would while undergoing TomoTherapy treatment.</td>
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Conventional radiation therapy machines deliver a wide beam of radiation from only a few angles. The TomoTherapy® System allows doctors to deliver radiation continuously from all angles around you. Instead of a single beam of radiation, the TomoTherapy technology “modulates,” or divides, one beam into many smaller, narrow “beamlets.” Each beamlet can deliver a different dose of radiation. Different doses go to different parts of each tumor, with less damage to surrounding healthy tissue.

The TomoDirect™ Treatment Delivery option offers your doctors another important tool to treat cancer. Unlike the “helical” or continuous, 360-degree delivery pattern of TomoTherapy treatment, the TomoDirect method of delivery uses stationary radiation beams to target some types of tumors that do not require helical delivery, providing your treatment team with more options to treat a wide variety of cancers.
SURVIVOR STORY
Andrea received TomoTherapy® treatments when her breast cancer came back in a much more aggressive form. Even though she was told she had already received the maximum dosage of radiation, TomoTherapy worked for her – with very few side effects.

More than five years later, Andrea is doing well and is optimistic about her future. “I try really hard not to skip a beat in my life. And, I tell everyone that TomoTherapy made a difference for me. I believe I am here today in part because of TomoTherapy.”
Your TomoTherapy® Treatment

Behind the Scenes
Before beginning TomoTherapy® treatment, your treatment team puts together a plan using 3-D images from a combination of scanning technologies (such as CT and MRI) and special software that help define the size and shape of each tumor and proximity to surrounding sensitive organs or tissues.

Your doctor then prescribes how much radiation the tumor should receive, as well as acceptable levels for healthy tissue nearby. The TomoTherapy System calculates the appropriate pattern, position and strength of the radiation beams to be delivered, based on the prescribed dose.

The Day of Treatment
After checking in for a daily treatment, you’ll be taken to the treatment room where a radiation therapist will help you onto the system’s couch. You will most likely lie on your back, and your therapist may fit you with a special device to comfortably help you remain still during treatment.

If imaging is necessary, the couch will move you through the ring once for daily CTrue™ imaging. Based on these CT images, the therapist may fine-tune your position via small couch adjustments. Then the couch will move you through the ring once again, this time more slowly, as the TomoTherapy System delivers your daily treatment.

What You Can Expect
A typical course of radiation therapy involves a daily visit, Monday through Friday. The number of treatments varies by case. On average, the full daily procedure takes 10-20 minutes from when you enter the treatment room until you leave. This includes time for the daily CT imaging process to be performed and for treatment to be delivered (“beam-on time”). The remaining time is used for set-up and proper positioning.

TomoTherapy treatments are painless. The experience is similar to having a CT scan or an x-ray taken. You’ll hear hums and clicks of the system at work – calibrating to your customized treatment plan – but treatment is comfortable and peaceful.
Cancer Treatable with TomoTherapy®

The TomoTherapy® System delivers radiation therapy for the treatment of cancer and other diseases as prescribed by a radiation oncologist. As reported by many users, reduced side effects are often observed with TomoTherapy as compared to conventional types of radiation therapy. Because of the ability to more precisely deliver the radiation, oncologists have reported that they are able to treat patients who have been treated before, when their cancers have returned.

Radiation oncologists have treated many types of cancers with the TomoTherapy System, ranging from routine to complex types including the following:

<table>
<thead>
<tr>
<th>Breast Cancer</th>
<th>Prostate Cancer</th>
<th>Head and Neck Cancer</th>
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<tr>
<td><img src="image1" alt="Breast Cancer Image" /></td>
<td><img src="image2" alt="Prostate Cancer Image" /></td>
<td><img src="image3" alt="Head and Neck Cancer Image" /></td>
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<td>Shows treatment of breast tissue while avoiding the heart and lung.</td>
<td>Shows the high dose contained within the tumor (red color) and the avoidance of the rectum. TomoTherapy provides the ability to treat both early and late stage prostate cancer.</td>
<td>This image shows high dose to tumor while limiting dose to spinal cord and parotid (salivary) glands.</td>
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<td>1 - breast 2 - heart 3 - lung</td>
<td>1 - prostate 2 - rectum 3 - lymph nodes</td>
<td>1 - parotid (salivary) glands 2 - tumor 3 - spinal cord</td>
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**Lung Cancer**

![Lung Cancer Image](image4)  
Treatment of the tumor with a fast reduction of dose to limit the dose to the healthy lung tissue and avoid mediastinum and spinal cord.

1 - lung tumor 2 - mediastinum 3 - healthy lung tissue

**Pediatric Cancer**

![Pediatric Cancer Image](image5)  
Craniospinal irradiation is a common treatment for children and a difficult challenge due to the amount of tissue to be treated. The image shows the treatment of the head and spinal cord while avoiding eyes, mouth, heart, kidneys and liver. Using image guidance can help keep the amount of healthy tissue treated as small as possible.

1 - head 2 - spinal cord 3 - tumor

Areas highlighted in red represent the Primary Targeted Volumes, which include the tumor volume and other areas of interest.
SURVIVOR STORY

Mike had cancer at the base of his tongue, and chose TomoTherapy® treatment after extensive research. His side effects were far less severe than he thought they would be.

“I’ve heard from others who have had terrible dry mouth for years afterwards. While I had some mouth sores during the process, I know of others whose mouths were so inflamed that even drinking was horrible,” he says. “They’ve told me their skin was burned. I didn’t experience that, just some mild redness was the extent of it.”

Mike sums it up by saying, “I can infer from my experience with radiation and how I tolerated it versus others who went through other types of radiation, that I made the best decision with my treatment choice. A lot of people have to wait a year before returning to work and I was back in six weeks.”

“I made the best decision with my treatment choice.”
A New Standard of Care

The TomoTherapy® System is among the most revolutionary innovations in the history of cancer treatment, completely redefining the standard for individualized and precise treatment of tumors anywhere in the body.

Is TomoTherapy right for you? Your medical team will work with you and your doctor to make that decision. More than 3 million treatments have been delivered worldwide since the first patient was treated in 2003. Today, hundreds of people will begin their own TomoTherapy treatments at hospitals, clinics and cancer centers worldwide. Today, hundreds of people will be one step closer to winning their battle with cancer. Today, you might be one of them.

To find a TomoTherapy Treatment Delivery System near you, visit www.accuray.com/treatment-centers/
Dr. Mary Barnhart is a breast cancer surgeon – and an endometrial cancer survivor. She was told she’d have to abandon her vegan diet to begin IMRT radiation therapy. Then she stumbled upon TomoTherapy.com, and discovered the TomoTherapy® technology advantage.

Despite concerns that her diet would complicate possible side effects – such as diarrhea, leg swelling, bladder issues and skin problems – Mary never experienced a single one. And, she never changed her diet.

Mary began every single TomoTherapy® treatment session by wrapping herself in a special purple quilt and donning her signature pink boxing gloves. “My overwhelming emotion was that this was the right thing for me to be doing,” Mary says. “I’m taking advantage of the best technology that is on the market today. I’ve given it my best.”

“I’m taking advantage of the best technology that is on the market today.”
Important Safety Information:
Most side effects of radiotherapy, including radiotherapy delivered with Accuray systems, are mild and temporary, often involving fatigue, nausea, and skin irritation. Side effects can be severe, however, leading to pain, alterations in normal body functions (for example, urinary or salivary function), deterioration of quality of life, permanent injury and even death. Side effects can occur during or shortly after radiation treatment or in the months and years following radiation. The nature and severity of side effects depend on many factors, including the size and location of the treated tumor, the treatment technique (for example, the radiation dose), the patient's general medical condition, to name a few. For more details about the side effects of your radiation therapy, and to see if treatment with an Accuray product is right for you, ask your doctor.