

## THE NEW STANDARD OF CARE

Industry experts believe the TomoTherapy system will revolutionize radiation treatment. While they predict this equipment will be standard in treatment centers within the next few years, Mary Bird Perkins Cancer Center currently has this leading-edge technology available in southeast Louisiana – putting the Center years ahead of most cancer centers in the United States and the world. In fact, Mary Bird Perkins Cancer Center is just one of 20 sites in the world to serve as a Center of Excellence for the equipment and take part in research studies involving TomoTherapy. Louisiana State University's Department of Physics and Astronomy has agreed to partner with Mary Bird Perkins Cancer Center to research TomoTherapy's treatment capabilities. This joint research venture promises to deliver important biomedical research and improved treatment for patients. The partnership leverages Mary Bird Perkins Cancer Center's clinical facilities and commitment to patients with LSU's Department of Physics and Astronomy's expertise in imaging and medical physics.

Mary Bird Perkins Cancer Center's comprehensive radiation therapy services include multiple modalities of treatment including both external and internal methods of treating cancer and other therapies for non-cancerous conditions.

The Center, an independent nonprofit organization, provides treatment and follow-up care to thousands of patients from around the region each year through its facilities in Baton Rouge, Hammond and Covington, Louisiana. For more information, visit [www.marybird.org](http://www.marybird.org).

*Mary Bird Perkins Cancer Center is one of only twenty sites in the world designated as a Center of Excellence for TomoTherapy treatment.*



**Robert S. Fields, M.D.**  
Radiation Oncologist



**Gregory C. Henkelmann, M.D.**  
Radiation Oncologist/  
Medical Director



**Sheldon A. Johnson, M.D.**  
Radiation Oncologist

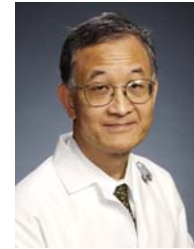
**Mary Bird Perkins**  
Radiation  
Oncologists



**Renee A. Levine, M.D.**  
Radiation Oncologist



**Maurice L. King, M.D.**  
Radiation Oncologist



**Kenneth K. Lo, Ph.D., M.D.**  
Radiation Oncologist



**MARY BIRD PERKINS**  
CANCER CENTER

Baton Rouge | Hammond | Covington  
[www.marybird.org](http://www.marybird.org)

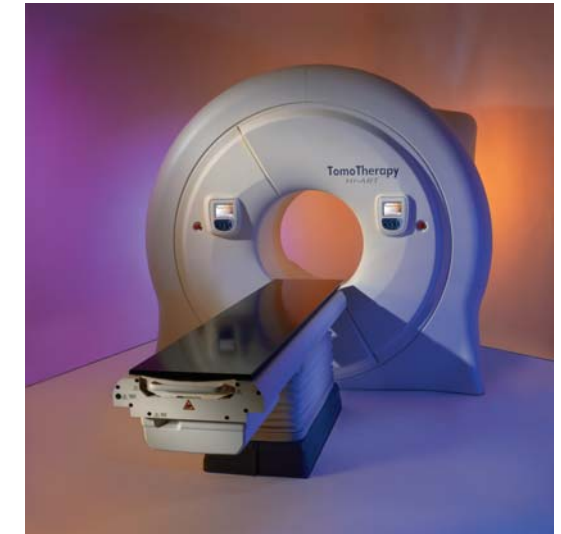


**MARY BIRD PERKINS**  
CANCER CENTER

PROUDLY OFFERS

PATIENTS

TOMOTherapy



TomoTherapy



*Mary Bird Perkins Cancer Center is committed to bringing state of the art technology to our community.*

**WHAT IS TOMOTHERAPY?**

TomoTherapy uses technology that is defining the next generation of radiation treatment. This new technology will allow Mary Bird Perkins Cancer Center to combine patient imaging

and radiation treatment. As a result, we can reduce side effects for some patients, treat some cancers more effectively, and contribute to leading-edge research about cancer and its treatment. Mary Bird Perkins has brought this state of the art treatment to Baton Rouge.

**WHAT TYPES OF CANCERS CAN BE TREATED WITH TOMOTHERAPY?**

TomoTherapy can treat many cancers that have been difficult to treat with traditional radiation therapy, including cancers that affect the breast, prostate, head, neck, spine, lymph nodes, bones, and bone marrow.

**HOW IS TOMOTHERAPY DIFFERENT?**

TomoTherapy delivers radiation through thousands of entry points, rather than just a few as in traditional radiation therapy. With TomoTherapy, radiation beams circle around a patient as he moves through the opening of the device. Because of this innovation, many different cancer sites can be treated during a single radiation appointment. Radiation levels constantly change to give low doses to certain areas of the body and higher doses to others. No other equipment available today can treat multiple sites at the same time with such delicate precision.



**WILL THIS BE AVAILABLE FOR ANY PATIENT?**

Patients and their radiation doctor will determine the course of treatment that is most appropriate for their diagnosis. Patients who would best be treated with TomoTherapy will be given that option, regardless of their ability to pay for the care.

**HOW DOES TOMOTHERAPY WORK?**

TomoTherapy, recently approved by the FDA, makes delivering radiation therapy more precise. It is a single piece of

equipment that allows physicians to take images of a patient's body, like a CT scan, and treat the patient during the same session. The patient is not moved from one machine to another, further increasing the ability to precisely deliver radiation. Additionally, TomoTherapy can treat large areas of a patient's body, more effectively treating people with certain types of cancer. Throughout the treatment, radiation levels constantly change to give low doses to certain areas of the body and higher doses to others. Because of the equipment's precise delivery of radiation, healthy tissue is spared as much as possible, and a patient is at decreased risk for side effects.

