

# LEKSELL GAMMA KNIFE® ICON™

## Fact Sheet

- Nearly 78,000 new cases of primary brain tumors (including cancerous and non-cancerous tumors) were diagnosed in 2015, and today nearly 700,000 people in the U.S. alone are living with primary brain and central nervous system disorders including malignant tumors, benign (non-cancerous) tumors, functional disorders (such as essential tremor and severe facial pain (trigeminal neuralgia) vascular and ocular disorders.
- Beginning this fall, Mary Bird Perkins – Our Lady of the Lake Cancer Center will make the Leksell Gamma Knife® Icon™ stereotactic radiosurgery system available to patients in the Gulf South region. This noninvasive and revolutionary technology will be utilized for the treatment of primary brain tumors, brain metastases and other central nervous system disorders.
- The Cancer Center the first in the Gulf South and one of only a handful American institutions that will offer the Gamma Knife Icon. Currently, it is only available at three facilities in the U.S., including Sutter Medical Center (Sacramento, CA), Roswell Park Cancer Institute (Buffalo, NY) and University of Pittsburgh Medical Center (Pittsburgh, PA).
- Previously, similar treatments took a majority of the day to complete and included the surgical attachment of a rigid frame to the patient's skull to stop movement during treatment. With the Gamma Knife Icon, in most cases, no frame is required due to the device's onboard CT imaging system and pinpoint image fusion and motion tracking technologies, offering a much more comfortable experience.
- Gamma Knife Icon radiosurgery is a non-invasive treatment that is administered on an outpatient basis, and patients typically return to regular daily activities within a few days after treatment. With this device, there is no incision, pain, lengthy recovery time or hospital stay.
- The ability to harness the tremendous capabilities of such a sophisticated treatment system, such as Gamma Knife Icon, is in large part due to the Cancer Center's nationally-recognized medical physics program, a component of the longstanding Mary Bird Perkins – LSU Academic and Research Partnership. This collaborative provides a level of scientific ingenuity to radiation therapy that enhances patient care.