Accuray enables patients to live longer, better lives by developing, manufacturing and selling radiotherapy systems that are intended to make cancer treatments shorter, safer, personalized and more effective.

This number also marks the 25 years since the first patient with a brain tumor was treated with Accuray’s CyberKnife® System — the world’s only robotic radiosurgery system offering highly precise, non-surgical treatment for tumors and lesions anywhere in the body. This includes the brain, kidney, liver, lung, pancreas, prostate and spine.

### Acoustic Neuroma

Did you know that symptoms of acoustic neuroma, a rare, non-cancerous tumor, may include ringing in the ear and issues with hearing on one side?

About 2,500 people are diagnosed with an acoustic neuroma each year.

Most cases of acoustic neuroma develop in people between the ages of 50 and 60. Women are affected more often than men.

### Meningioma

Meningiomas, which originate in the central nervous system, are the most common primary intracranial tumor.

Approximately 10% of all meningiomas are benign, or non-cancerous. Most meningiomas occur in people between the ages of 30 and 70 and women are more than twice as likely as men to develop a meningioma.

An estimated 86,970 people will receive a primary brain tumor diagnosis in 2019. 37.1% of those tumors will be meningiomas.

Hypertension, or excessive growth of bone, is commonly produced by meningiomas. Before doctors had the technology to identify a tumor’s location, these bony growths were used as markers for the tumor’s position prior to surgery.

### Trigeminal Neuralgia

Trigeminal neuralgia is a disease that affects the 5th cranial nerve and often requires long-term medical treatments to block the pain signals sent to the brain.

While trigeminal neuralgia occurs most often in people over age 50, patients can be diagnosed at any age.

The first brain tumor was discovered in 1881 in Scotland and was resected surgically.

The first treatment with the CyberKnife® System was delivered in 1994 to a person with a brain tumor.

More than 100,000 people have been treated with the CyberKnife® System for conditions within the brain.

Brain tumors can be treated with radiotherapy – including whole brain and stereotactic radiotherapy – chemotherapy, targeted therapy and tumor shrinking fields.

Whole brain radiotherapy delivers external radiation to the whole brain, usually over many weeks. Stereotactic radiotherapy (SRT) delivers precisely targeted doses of external radiation to the tumor with one high-dose treatment or a few fractionated treatments.

The CyberKnife® System can be used to treat recurrent and radio-resistant brain tumors with up to five precise high-dose SRTs. This is an effective option for many people including those with recurrent tumors and young patients who couldn’t be treated with a fixed head frame.

23.8K

An estimated 22,820 patients in the U.S. will be diagnosed with a primary brain tumor of the brain and spinal cord each year. Of that number, 13,610 will be men and 10,410 will be women.

Did you know that organizations such as the American Brain Tumor Association and Acoustic Neuroma Association are supporting patients with intracranial tumors?

The risk of developing a brain tumor may be increased by radiation exposure; however, there are no known ways to prevent brain tumors.

Symptoms for brain tumors can range from headaches, sudden personality or memory changes, and nausea, to fatigue and sleep problems.

Well-known figures diagnosed with a brain tumor such as Mark Cuban, Kate Walsh, Lance Armstrong and John McCain helped raise awareness about brain tumors and have inspired others to do the same.

The median age at diagnosis of a brain tumor is 60.