

**The Fastest and Most Accurate Radiosurgery System
Now Eliminates Need for Surgical Procedure**

*CyberKnife with Xsight Spine Tracking System
is the only solution for sub-millimeter treatments of the spine.*

Sunnyvale, California, May 6, 2005 – Marking a major advance in non-invasive surgery, Accuray™ has introduced the Xsight™ Spine Tracking System, which integrates with the CyberKnife® Stereotactic Radiosurgery System to eliminate the need for surgical implantation of radiographic markers, or fiducials, in the delivery of radiosurgery treatments for spinal tumors.

Spinal radiosurgery has long posed difficult problems for oncologists and neurosurgeons. Due to the close proximity of sensitive structures like the spinal cord, traditional radiation treatments were not accurate enough. In addition, since skeletal structures such as spinal vertebra move independently, clinicians were required to surgically implant fiducials into the spine in order to track the movement of the lesion during treatment, which introduced some of the drawbacks associated with invasive surgery. Prior to the introduction of the CyberKnife System, patients had few options and little hope for tumors that could not be surgically removed.

“Spinal Radiosurgery treatments require superior precision throughout the entire procedure. Relying only on image guided patient set-up is not enough. You must have the ability to continually track and correct for motions of the spine throughout treatment because in our experience patients do move after set-up is complete,” says Steve Chang M.D., Assistant Professor, Department of Neurosurgery at Stanford University Medical Center.

The CyberKnife Radiosurgery System is the only system in the world that continually tracks lesions and automatically compensates for their movements throughout the entire treatment. Only the CyberKnife is capable of delivering sub-millimeter total clinical accuracy, now in the spine without fiducials, thus offering unparalleled precision and conformality.

“Xsight obviates the need for placement of fiducials and allows for computerized real-time tracking and delivering of radiation with sub-millimeter accuracy. For those wishing to irradiate tumors of the spine this represents a major breakthrough,” remarked Fraser Henderson M.D., Director, Spine Tumor Center, Georgetown University Hospital. Additionally he stated, “This is a significant advance in eliminating pain for the patient and for allowing the surgeon to expedite treatment within the limited therapeutic window.”

Euan Thomson, Ph.D., President & CEO of Accuray Incorporated states, “The Xsight Tracking System represents one of the most significant technology developments in non-invasive surgery in many years. Finally, patients with spinal lesions can benefit from the unparalleled accuracy and effectiveness of CyberKnife radiosurgery completely free of fiducials and implantation procedures. While fiducials were a superior alternative to rigid external frames, they were still time consuming for caregivers and uncomfortable for patients. We are delighted that the Xsight Spine Tracking System has proven to be such a success in initial treatments.”

The world’s first and only non-invasive tracking system for spinal radiosurgery, Xsight is effective for treating lesions throughout the spinal region—including cervical, thoracic, lumbar and sacral tumors. At present, more than 60 patients have been treated with the CyberKnife System with Xsight, adding to the more than 1,600 spine radiosurgery cases that have been treated with the CyberKnife over the past four years. Xsight is another example of how the CyberKnife System expands the practice of Radiosurgery by offering a non-invasive cost effective alternative to surgery.

About the CyberKnife System

The CyberKnife Stereotactic Radiosurgery System is a non-invasive, 100% frameless image-guided radiosurgery system that ablates tumors and other lesions anywhere in the body without invasive surgery. The CyberKnife System treats in single or staged (typically 2-5) sessions, and monitors internal reference points in the anatomy (skeletal landmarks or small implanted markers) to correct for patient movement in real time during actual treatment. It delivers multiple beams of precisely directed radiation that converge upon the tumor while minimizing injury to surrounding healthy tissue. It is the only system in the world that integrates real-time image guidance and robotic delivery of radiation to deliver proven sub-millimeter “total clinical accuracy.”

The unique CyberKnife technology was developed in cooperation with Stanford University. The CyberKnife is 510(k) cleared by the FDA (in the United States) and has CE approval (in Europe) to treat anywhere in the body where

radiation treatment is indicated. With over 100 peer-reviewed publications supporting its clinical practice, the CyberKnife System has treated over 12,500 patients worldwide.

About Accuray

Located in Sunnyvale, California, Accuray is a privately held corporation dedicated to revolutionizing the treatment of lesions and tumors anywhere in the body by the precise delivery of high doses of radiation using the CyberKnife Stereotactic Radiosurgery System. Through the development and marketing of the CyberKnife System, and participation in ongoing clinical research at prominent hospitals, Accuray and its customers are making stereotactic radiosurgery a viable and accessible option for cancer patients worldwide.

For more information on Accuray or the CyberKnife System please contact:

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