

CyberKnife®

PRECISE ROBOTIC TREATMENT
AS INDIVIDUAL AS EVERY PATIENT



ACCURAY

Deliver more. **Better. Faster**

BENEFITS OF THE CYBERKNIFE® TREATMENT DELIVERY SYSTEM

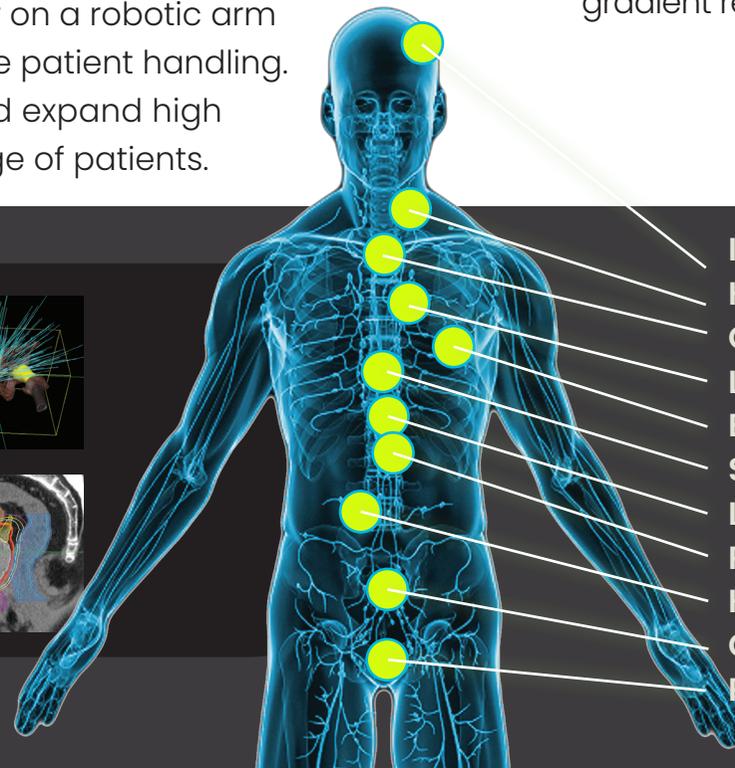
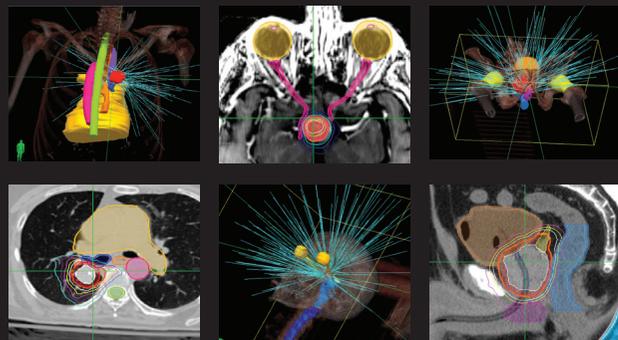
True robotic precision: Enable high definition radiotherapy anywhere in the body with the widest range of motion in the industry. Deliver radiosurgery (SRS) and stereotactic body radiotherapy (SBRT) with end-to-end sub-millimeter accuracy.

Unique 6D motion compensation and intra-fraction image guidance: Continually monitor patient and tumor motion to confidently deliver the prescribed dose while minimizing dose to surrounding critical structures and healthy tissue.

Faster treatment times—improved patient experiences: Leverage the only multileaf collimator on a robotic arm to streamline treatments and improve patient handling. Treat in typical IMRT fraction time and expand high definition radiotherapy to a wide range of patients.

More accurate treatments—improved outcomes: Clinical studies indicate the CyberKnife System's unrivaled precision can deliver excellent long-term control, retaining quality of life with minimal side effects.

Unprecedented versatility in non-surgical treatment applications: Deliver highly precise, highly individualized non-surgical treatments for a wide range of clinical indications including neurological disorders, primary and metastatic tumors anywhere in the body. Offer the precision and sharp dose gradient required for multiple re-treatments.



- Intracranial
- Head and Neck
- Oligometastases
- Lung
- Breast
- Spine
- Liver
- Pancreas
- Kidney
- GYN/GU
- Prostate

The CyberKnife® System – the precision you need to precisely and accurately treat tumors or lesions anywhere in the body with confidence. Expand your treatment population and boldly differentiate your practice.

FULLY INTEGRATED TREATMENT PLANNING AND DELIVERY

PLAN

Accuray Precision® Treatment Planning System

KEY FEATURES

- Integrated, fast and intuitive treatment planning for multiple Accuray delivery systems
- Fast Monte Carlo Dose Calculation for all collimator options giving results in minutes
- Comprehensive suite of contouring tools including boolean operators
- AutoSegmentation™ options for head and neck, brain and male pelvis
- Multi-modality rigid image fusion
 - Deformable Image Registration™
- Side-by-side treatment plan comparison
- PreciseRTX® Re-treatment option
- Remote plan review and approval

SEE

iDMS® Data Management System

KEY FEATURES

- Integrated data management system for multiple Accuray delivery systems
- Remote review of daily imaging
- Digital signature capabilities
- Individual user privileges
- Patient record management for multiple Accuray systems
- DICOM data import/export and Oncology Information System interfaces
- Data storage and management tools with storage vault option
- Disaster recovery features, including automatic backup and data mirroring
- Report Administration Application supports customizable generation of patient, plan and system utilization reports

TREAT

CyberKnife® Treatment Delivery System

KEY FEATURES

- Robotic manipulator with the widest range of motion of any radiation therapy system
- Automated non-coplanar beam delivery
- Fully integrated image guidance system (stereoscopic X-ray sources and in-floor detectors)
- Anatomy-specific fiducial-free tracking modules for intracranial, spine and lung tumors
- 6D fiducial tracking module for soft tissues
- Continual intra-fraction imaging and automatic 6D beam corrections, maintains sub-millimeter accuracy even for unpredictable prostate displacements
- Compact Linac minimizes treatment time
- The Xchange® Robotic Collimator System automatically changes collimators – no user intervention
- InCise™ Multileaf Collimator (MLC) with expanded treatment options, including larger SBRT lesions and IMRT treatments
 - Iris™ Variable Aperture Collimator for efficient delivery of multiple cone collimator sizes
 - Fixed cone collimators for neurological applications and small tumors
- Intuitive, workflow-based user interface – critical patient alignment and treatment delivery information displayed on dual monitors
- The Synchrony® Fiducial Tracking™ with Respiratory Modeling monitors in real-time and keeps the beam on target as the patient breathes normally – even for irregular breathing patterns
- End-to-end sub-millimeter delivery accuracy – even for tumors that move with respiration
- RoboCouch® Patient Positioning System with sub-millimeter 6D positioning accuracy and 500-pound weight capacity

PLAN

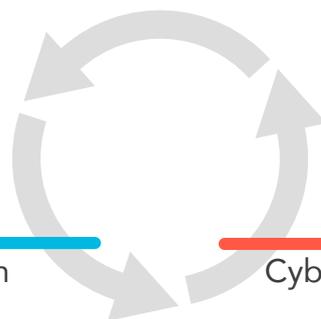
Accuray Precision® System

SEE

iDMS® System

TREAT

CyberKnife® System



THE CYBERKNIFE® TREATMENT DELIVERY SYSTEM



1. Xchange® Robotic Collimator Changer
2. X-ray Imaging System
3. RoboCouch® (optional)
4. Robotic Manipulator

5. Linear Accelerator
6. InCise™ Multileaf Collimator (optional)
7. Iris™ Variable Aperture Collimator
8. Synchrony® Respiratory Camera Array

The CyberKnife® System is fully integrated for IGRT, SRS and SBRT – designed for high definition radiotherapy – anywhere in the body

For more information regarding the CyberKnife System, connect with your local representative by calling 1.888.522.3740 or send an inquiry to sales@accuray.com

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ACCURAY

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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.

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