

Shanghai United Imaging Healthcare Co., Ltd.



uRT-linac 506C

The world's first fully integrated
CT-linac Radiotherapy System.
Precision imaging shapes the
future of radiotherapy.



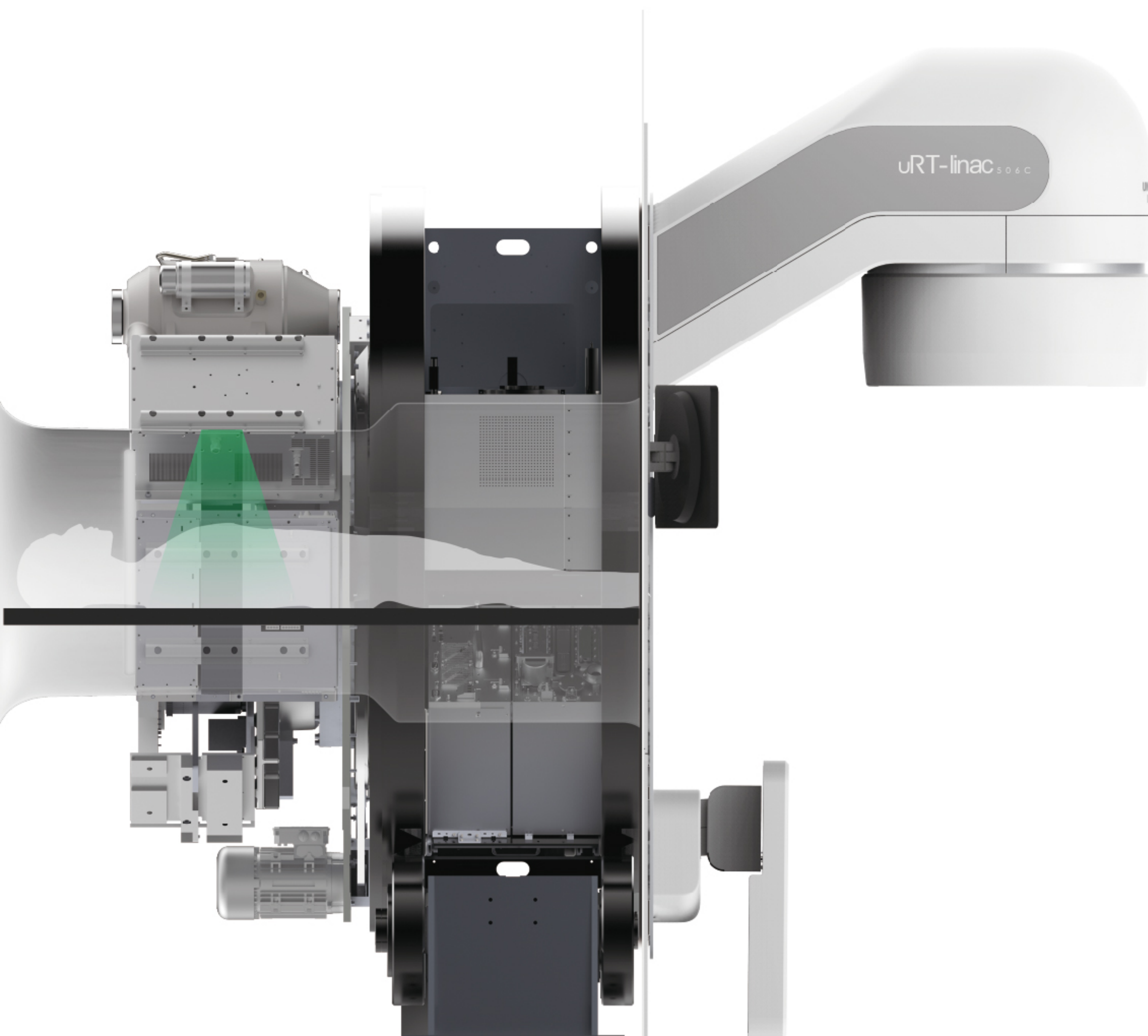
uRT-linac 506c

The world's first fully integrated CT-linac realizes precision radiotherapy with its high quality on-board imaging.

- Fully integrated CT-linac
- One-stop solution for radiation therapy workflow (from simulation to treatment)
Ultra-low Dose Management
- Personalized adaptive radiation therapy solution
- Intelligent remote planning and management

Fully integrated single-platform solution

Fully integrated CT-linac combines a state-of-the-art linear accelerator with a diagnostic-quality CT imager, providing seamless workflow from simulation to treatment, and enabling personalized adaptive radiotherapy.



Coaxial table technology

UIH's unique patient table design effortlessly shuttles the patient between radiation treatment and CT imaging positioning and diagnosis, improving operating accuracy, reproducibility and workflow efficiency.



4D CT technology

4D CT captures the complete range of organ to more precisely determine the target volume. Reduced planning target volume (PTV) means more healthy tissue is spared, allowing patients to benefit from escalated dose delivery, where appropriate.



Unified Trajectory engine

UIH's proprietary Unified Trajectory engine enables synchronized motion control of all precision components, assuring uARC, IMRT, 3D CRT and other treatment procedures are delivered efficiently, accurately and safely.



Large coverage integrated CT scanning

The integrated diagnostic CT supports a 900mm-1300mm scan range, giving users ample imaging coverage for treatment planning, CT-based IGRT, and adaptive replanning.



High-speed digital control system

UIH's optimized digital control system achieves ms-level response time and implements single-pulse dose control. Real-time control of gantry, couch, collimators, and dose output has never been so dependable.



Low dose CT imaging with uDose

The unique uDose technology intelligently modulates the CT tube current (mA) value on-the-fly, based on the patient's, assuring optimal radiation dose reduction.



Fully integrated RT system suite

Ultra-efficient workflow with shared integrated data-base management allows seamless synchronization of CT-Simulation, TPS, OIS, IGRT and treatment delivery systems, while facilitating reliable and secure data transmission.



5 major systems seamless integration

Shared database enables safe and accurate data synchronization and transmission among systems.



Fully integrated operating platform

UIH's clean, and intuitive user interface design enable users to execute tasks and treatments with unrivalled efficiency.



Comprehensive Multi-tasking Planning System

Comprehensively integrates patient information management, auto-contouring, automated planning, intelligent scheduling and automated image registration. Both convolution-superposition and Monte Carlo dose calculation algorithms are available for accurate treatment plan dose calculation.

One-stop solution for entire radiation therapy workflow

The UIH fully integrated CT-linac is a single platform capable of performing CT simulation, treatment planning, image guidance and modern advanced treatment delivery without a separate CT simulator or the need to send patients to the radiology department for imaging.



Personalized radiotherapy solution

Fully integrated CT-linac solution enables online adaptive radiation therapy, which allows users to modify contouring and optimize treatment plan quickly based on patient-in-situ CT images. Users can provide dynamic and individualized therapies for patients at any point during the treatment course.



Automated
contouring



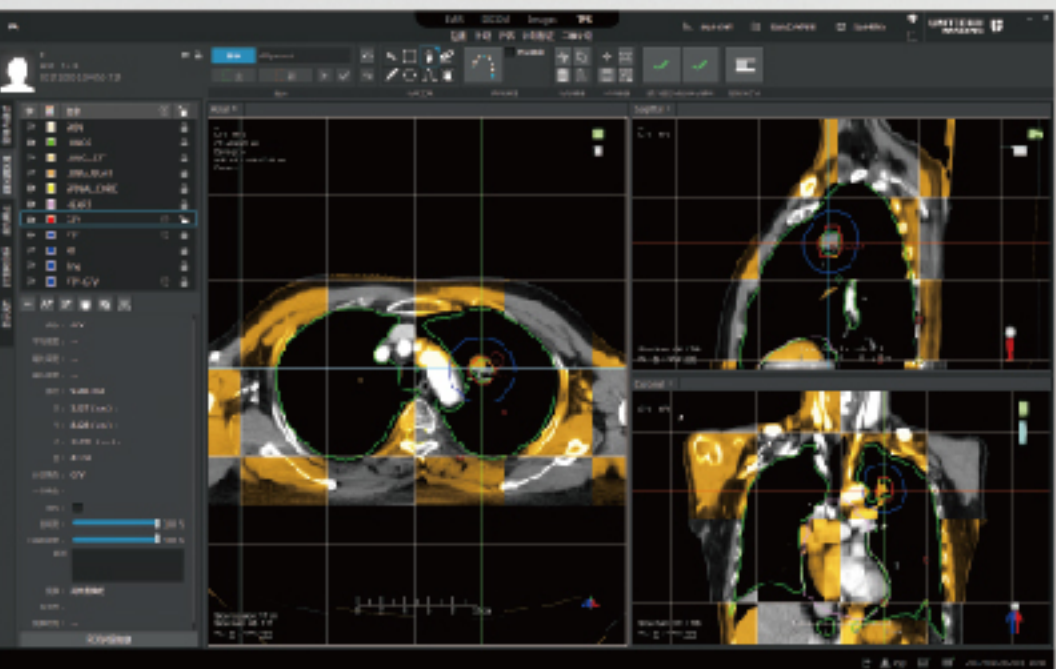
Deformable
registration



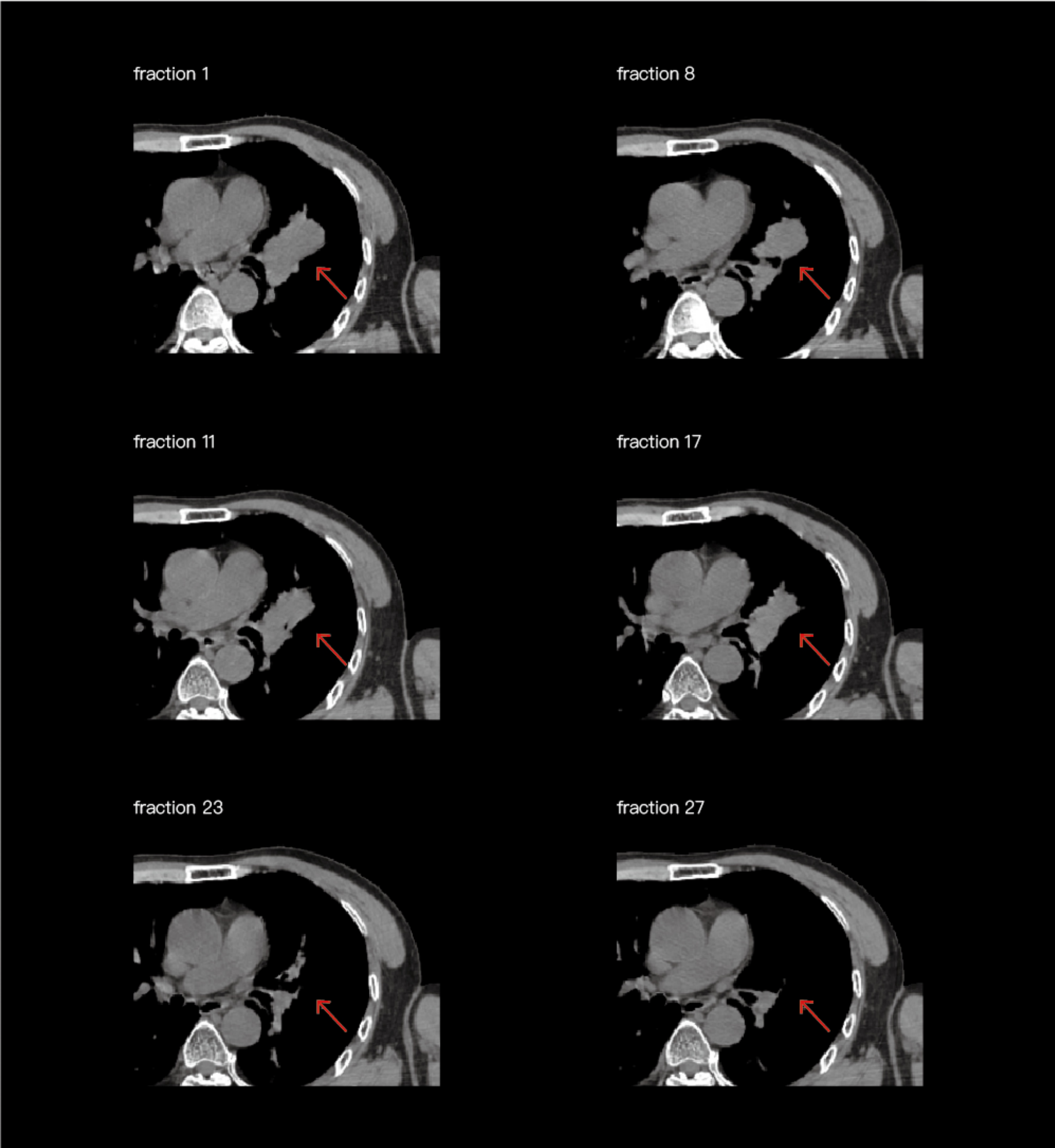
Rapid aperture
optimization

Online patient positioning and
target margin modification

Online plan modification,
re-optimization



Fraction-to-fraction treatment response monitoring



Intelligent remote radiotherapy

UIH Intelligent remote radiotherapy utilizes a cloud database management technology that enables a central hospital to design, modify and approve treatment plans at satellite sties, as well as perform remote quality assurance.



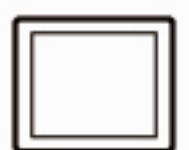
Mass data storage and sharing via cloud solution

Oncology information, treatment plans and patient images may be shared effectively and safely among multiple facilities situated in different regions.



Remote radiotherapy solution

The UIH oncology cloud solution enables communication between central and satellite hospitals. Senior physicians and physicists can remotely guide planning and treatment, addressing the shortage of physicians and physicists.



Wireless radiotherapy applications for enhanced flexibility

Provides enhanced target and organ-at-risk (OAR) contouring experience with a stylus pen and interactive display. Additionally, patient information can be accessed at anytime, anywhere. Remote video conference consultation is also supported.





Proprietary state-of-the art core components

Our high quality core components are designed to operate in synergy to achieving optimal performance and reliability.

high resolution multi-leaf collimator(MLC) FineBeam

With 120 tungsten leaves, and a thinnest-leaf-width of 5 mm (at isocenter), the FineBeam MLC supports all contemporary dynamic modulated treatment delivery methods.

High dose rate accelerating waveguide, IMBeam

Delivers a maximum dose rate of 600 MU/min in FF mode and 1400 MU/min in FFF mode for highly efficient and precise treatments.

"User in Mind" Design

Focusing on user experience, uCT 760 combines precise operation with a lightweight and artistic design. We bring aesthetic enjoyment and ease of use to the technology, delivering care, trust and respect through our design.



Aesthetic Pleasure

Our design scheme integrates eastern aesthetics with minimalism, presenting a seamless fusion of traditional and modern styling.

User-friendly Design

Our product design ultimately aims to deliver comfort, safety, efficiency, and ease-of-use. By applying ergonomic principles, we combine innovative design with perfect functionality in order to provide the best possible user experience, optimizing patient comfort during every examination.

Sophisticated Craftsmanship

Driven by the tenets of lightweight and precision design, we fine-tune every technological detail to embody the spirit of craftsmanship in every product.

ABOUT UIH

Shanghai United Imaging Healthcare Co., Ltd. is a provider of high-end medical equipment and medical IT solutions. From our headquarters in Shanghai's Jiading district to our network of research and development centers throughout the world, our global mission is to provide medical institutions with a full-range of healthcare solutions, from diagnostic imaging and radiation therapy equipment to service, training, and medical IT. We are dedicated to expanding access to high-quality medical care and improving the value of our services.

With a passion for change and independent innovation, we always aim to meet your needs. Perceive More. Provide More. Access More. We Have A Passion for Change.

