

SHINVA

Better Innovation Better Lives



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Better Innovation Better Lives



Intelligent O-ring On Line ART System



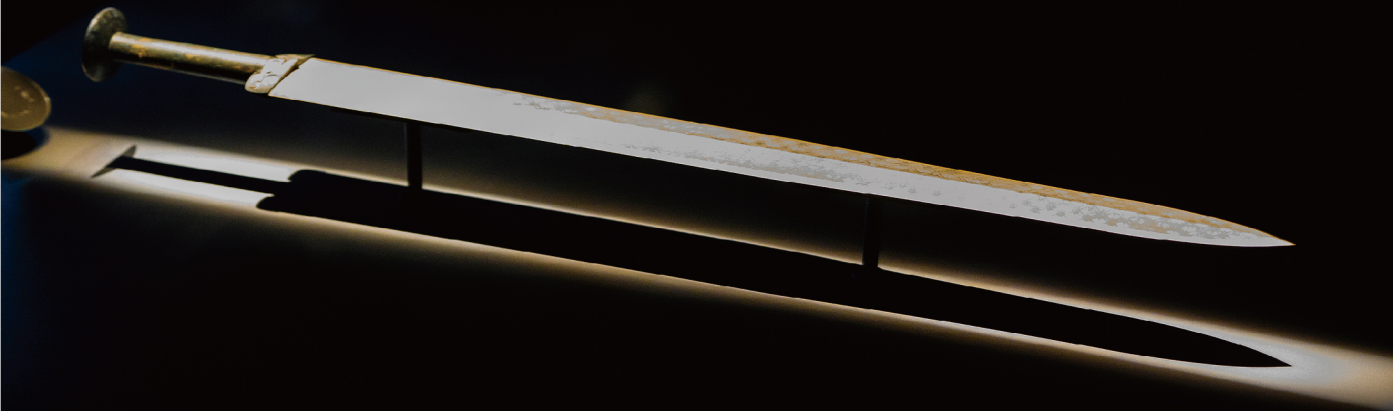
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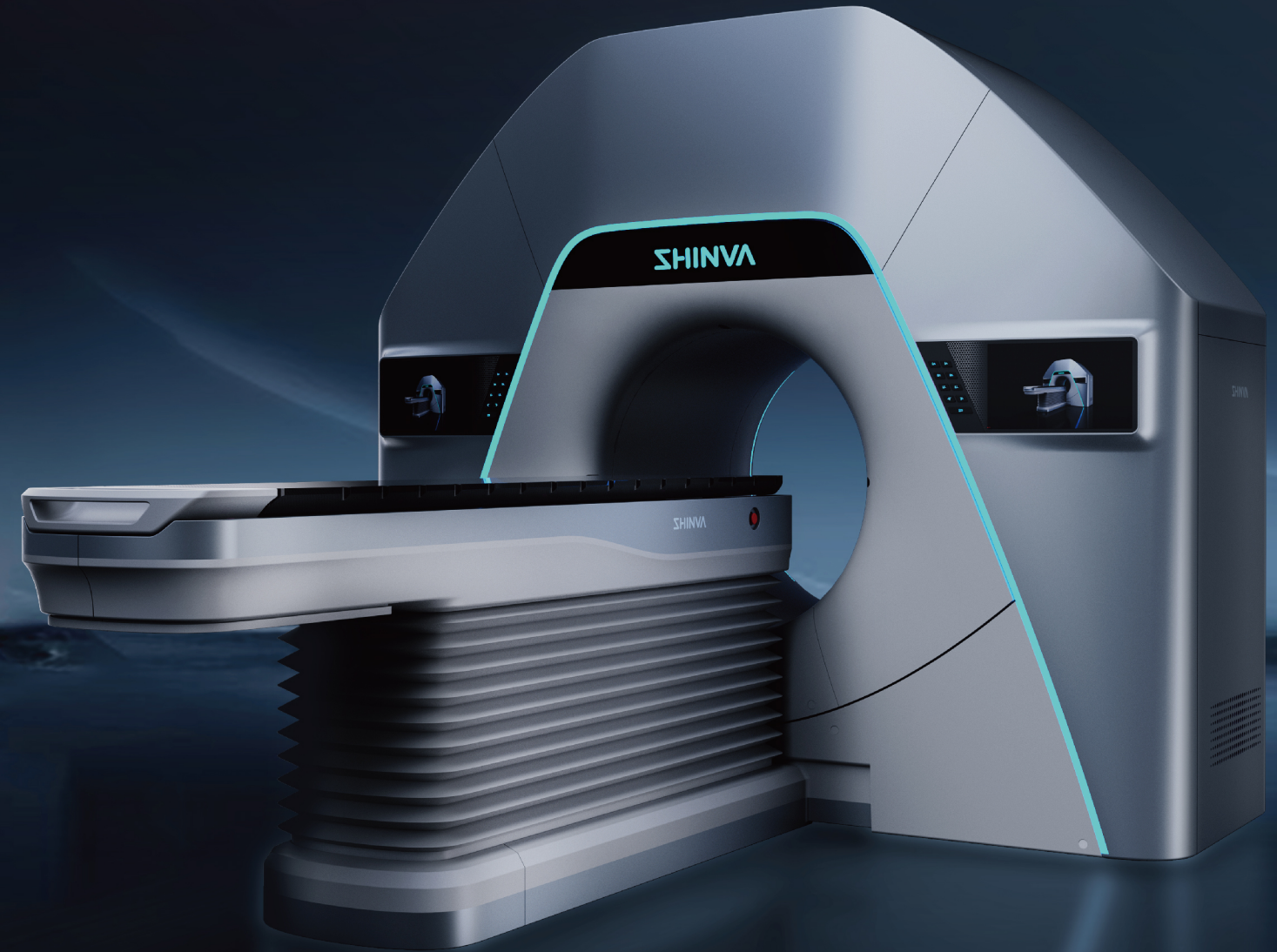
XHARRX6

Note: New Arrival Coming

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01



02

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5min One-key Quality Control, Rapid Morning Inspection

5 minutes to quickly and efficiently complete the start-up self-inspection, to ensure the normal operation and safe treatment of the Accelerator

Self-inspection Items

- | Beam on
- | Double-layer MLC
- | Collimator
- | Isocenter
- | Gantry
- | Treatment couch

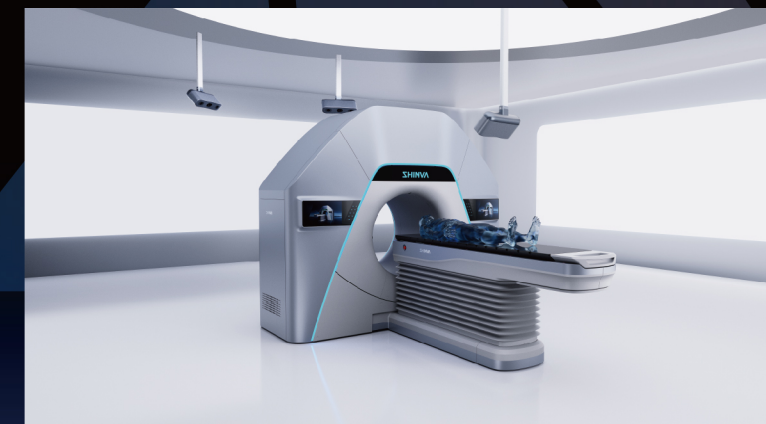


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Surface-guided Radiation Therapy

SGRT, assisting rapid positioning, real-time motion monitoring, realizing gated treatment

Real-time verification of the patient's inter-subsequent positioning, monitoring of the patient's intra-subsequent treatment, and immediate stopping of the beam when the target volume displacement is out of tolerance, improving the precision and safety of treatment



AI Delineation Performance:

- 95+% CTV Delineation Accuracy
- 80,000+ High Quality Data
- ≤30s AI Delineation Speed
- 95+% Physician Adoption Rate

Clinical Applications:

- Lung Cancer
- Cervical Cancer
- Brain Metastatic Cancer
- Nasopharyngeal Cancer
- Esophageal Cancer
- Rectal Cancer
- Bowel
- Total Bone Marrow Irradiation

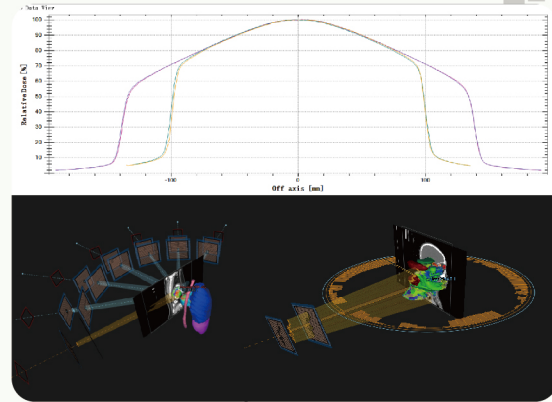
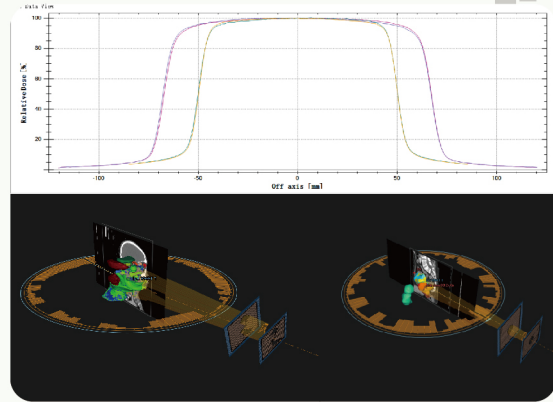
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AI Delineation

Based on the AI automatic delineation software and the top medical institutions to realize the sharing of quality medical resources

Learn from the delineation experience and skills of top physicians, support automatic delineation of hundreds of critical organs in the whole body

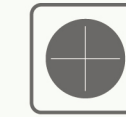
High Precision, Fast Accuracy, Remarkable Results



FF&FFF Dual Mode Dose Output

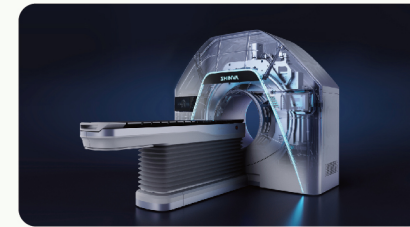
Maximum output dose rate of 600MU/min in FF mode and 1200MU/min in FFF mode.

Support VMAT, SBRT, online ART and other treatment technologies in both FF and FFF modes to meet the radiotherapy needs of different tumor patients.



0.5mm isocentric accuracy, more accurate radiation therapy

Develop SBRT technology to moving closer to the ultimate goal of “eradicating tumors without accidentally injuring normal tissues”



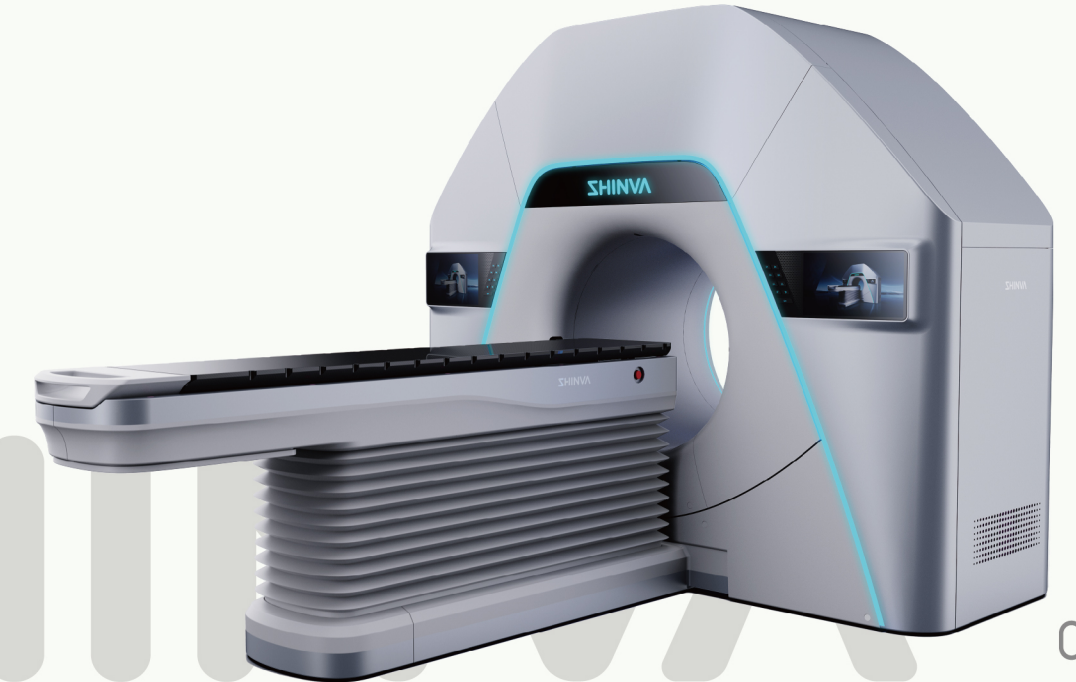
4RPM gantry speed, more efficient VAMT

Faster gantry speed, shorter image scanning time, significantly improving treatment efficiency and patient experience



5mm resolution double-layer MLC, ultra-low leakage

The system is equipped with a dual-layer parallel interlaced MLC with 5mm resolution and super-fast leaf movement



High Precision, Fast Accuracy, Remarkable Results

XHARX6

TPS

IMRT

7 Beam-field
Prostate Cancer
1 Million 3D Pixels
26/40 iterations

5S

CC Optimization

2.5S

CC Final Dose

VMAT

Prostate
1 Million 3D Pixels
40/40 iterations

21S

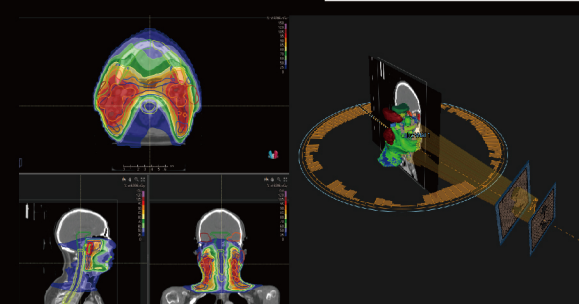
CC Optimization

10S

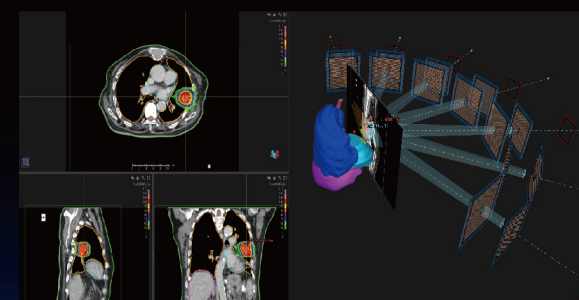
CC Final Dose



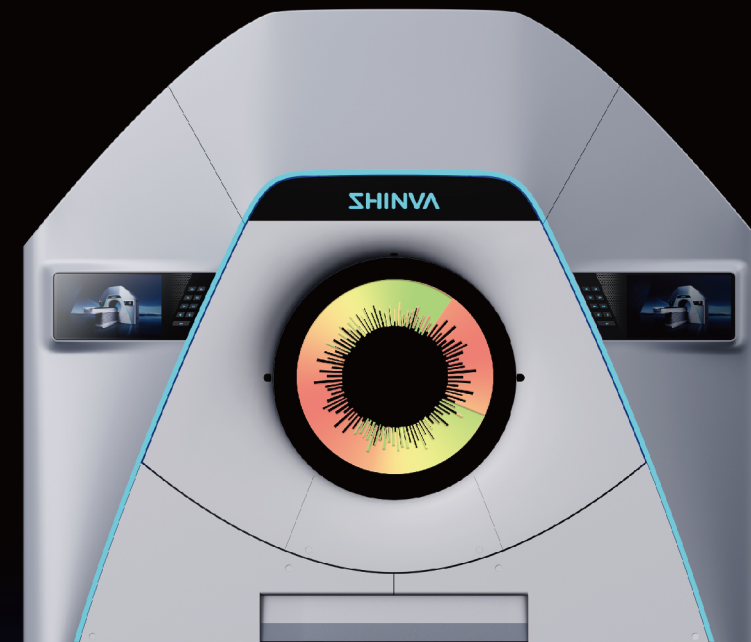
VMAT as fast as 1min



Dual Full Arc VMAT Plan
of head and neck
GPU acceleration
Dose calculation $\leq 60s$



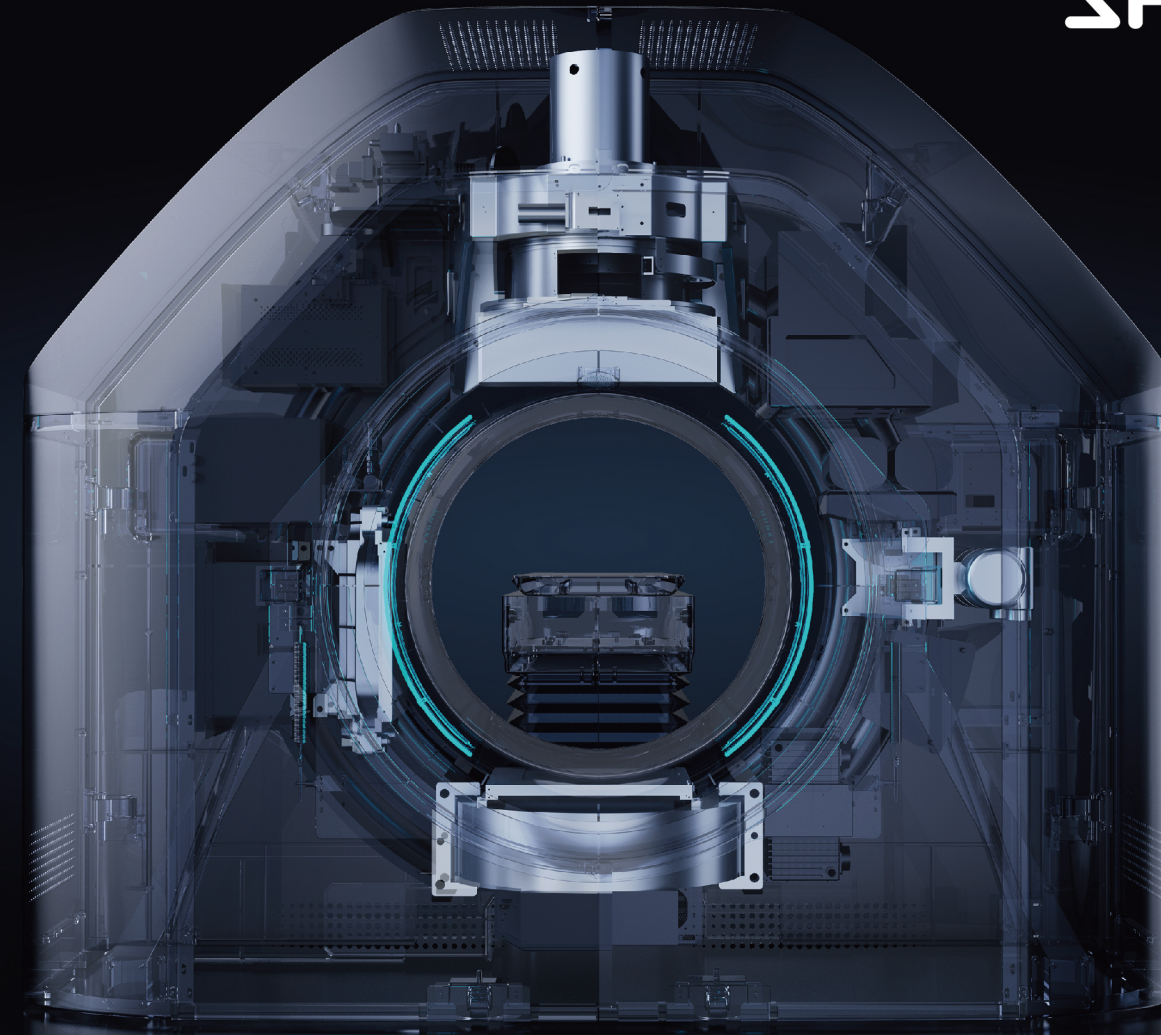
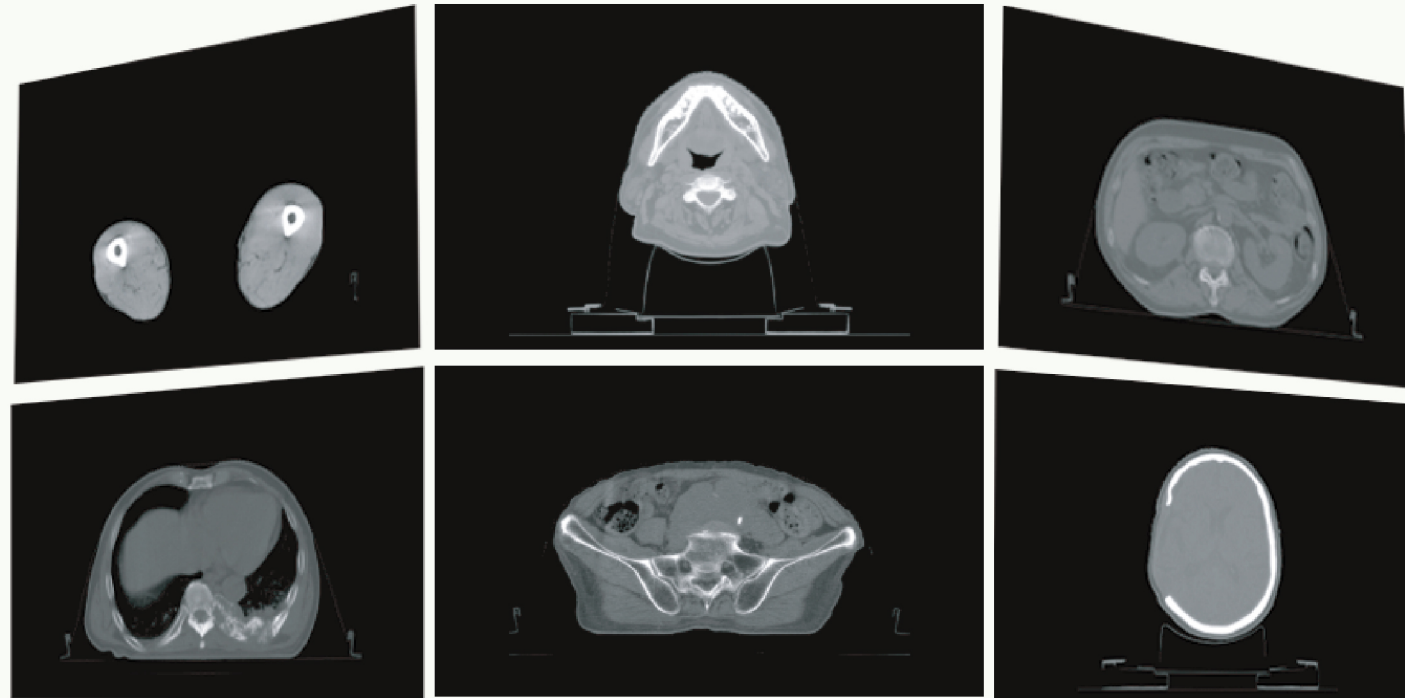
Chest Multi-arc SBRT Plan
FFF mode
Guaranteed plan quality
Reduce irradiation time



High Precision, Fast Accuracy, Remarkable Results

Coaxial coplanar high-definition iCBCT images for direct use in plan design

The iCBCT is coaxially co-located with the Accelerator and features revolutionary iterative reconstruction algorithms and motion artifact reduction algorithms to provide accurate planning images for Online ART.



High Precision, Fast Accuracy, Remarkable Results

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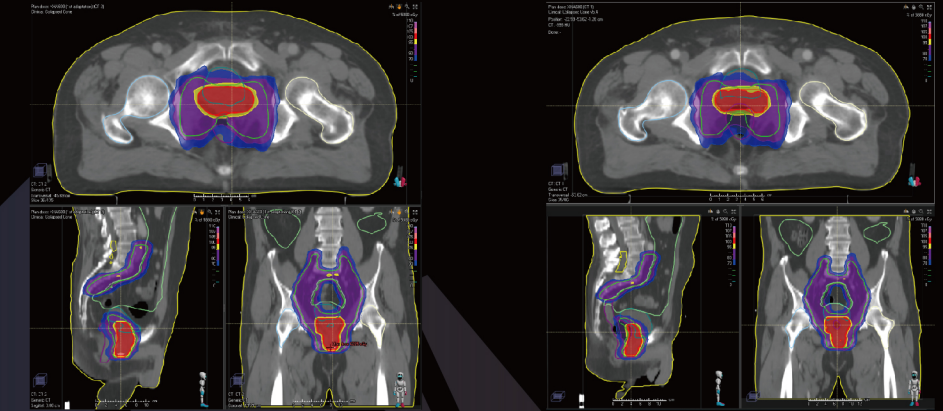
AI empowering, 15min Online ART

Through the AI empowering system platform, based on the daily changes of tumor lesions to effectively adjust the online ART plan, which can significantly reduce radiotherapy complications, improve the local control rate of tumors, and implement personalized and precise treatment for different patients.



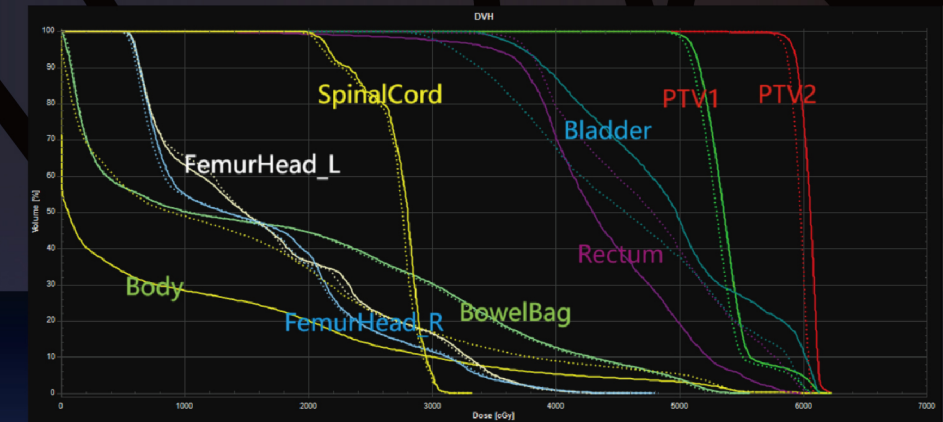
SHINVA Intelligent ART Clinical Benefits

- Adjust target volume margin range
- Reduce normal tissue exposure
- Reduce radiotherapy toxicity and side effects
- Improve target volume local control rate
- Increase local tumor dose
- Maximize dose coverage of target volume



Pelvic VMAT Plan

Pelvic Online ART Plan



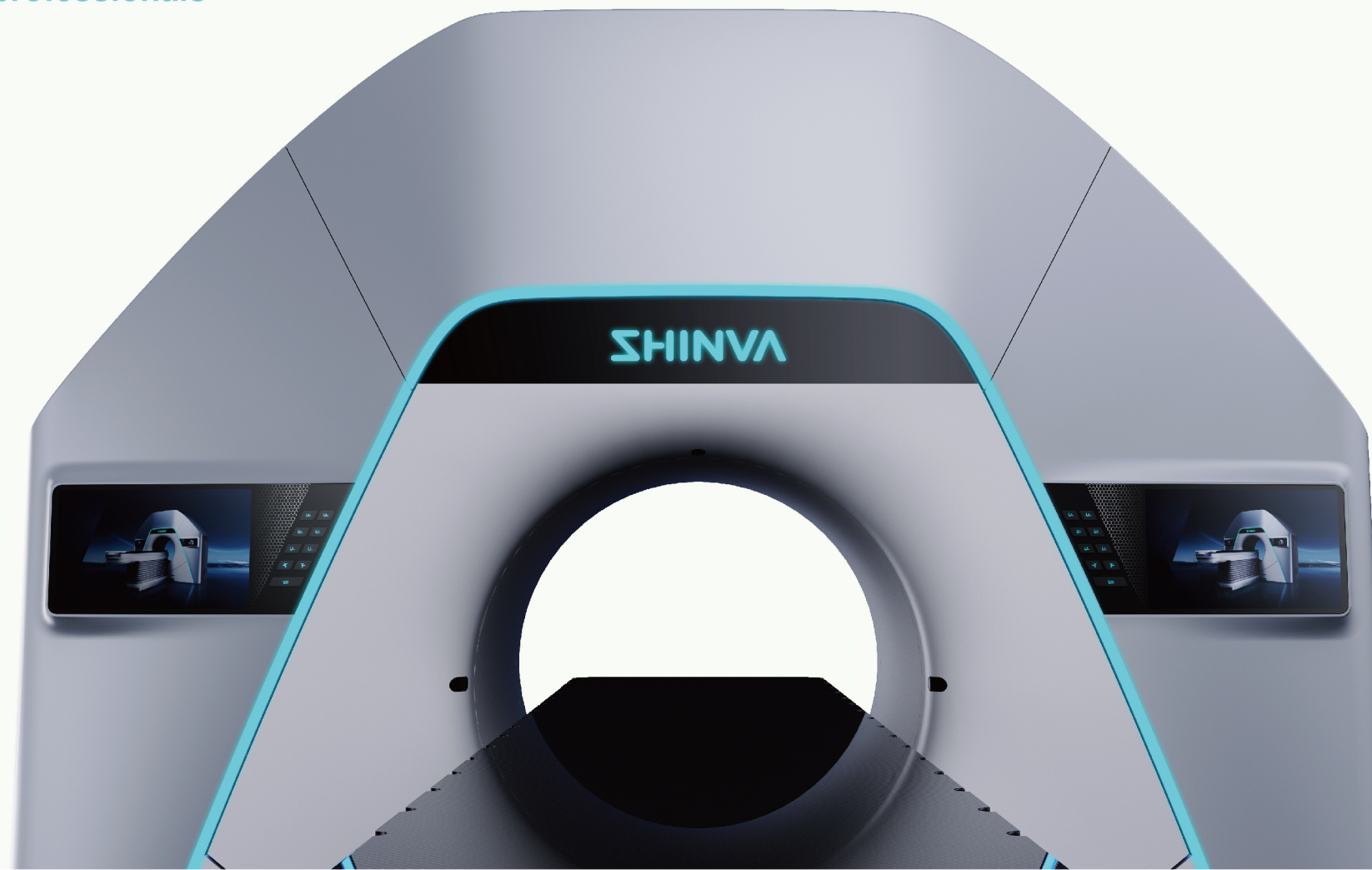
Design with Heart, Serve with Care

Better balance between patients and healthcare professionals

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User-centered Design

- Blue light operation guidance
- Shorter commissioning time
- Self-equipped radiation shielding



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Patient-centered Design

- One-key confirm treatment to optimize treatment flow
- Completely enclosed gantry to avoid collision
- 100cm big bore to eliminate claustrophobia

