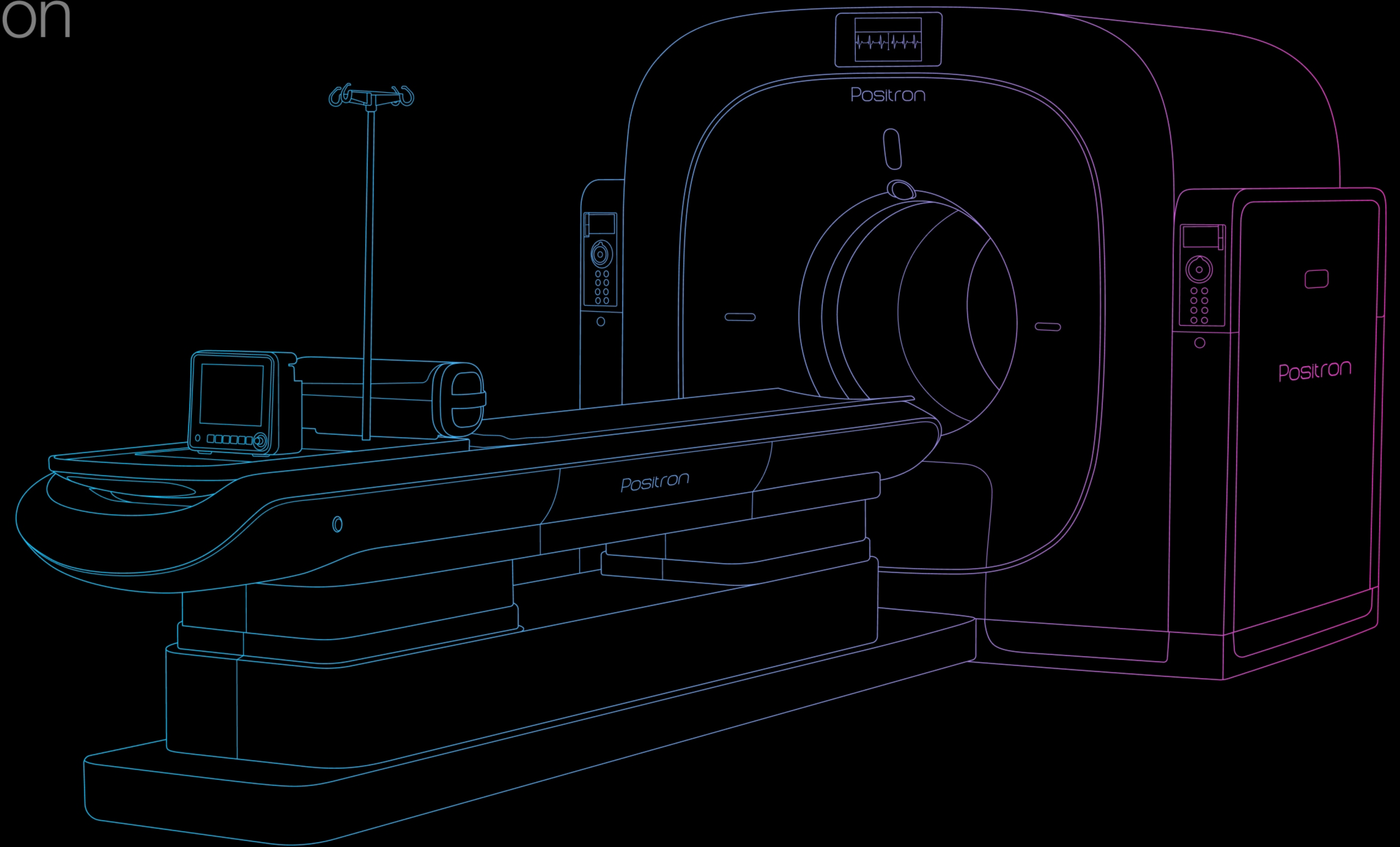


NeuSight PET/CT

Empowering Clinical Exploration
with Cutting-Edge Innovation



Positron

**Sophisticated
technology meets
clinical requirements
while delivering superior
system performance.**



Enhanced design offers superior control.

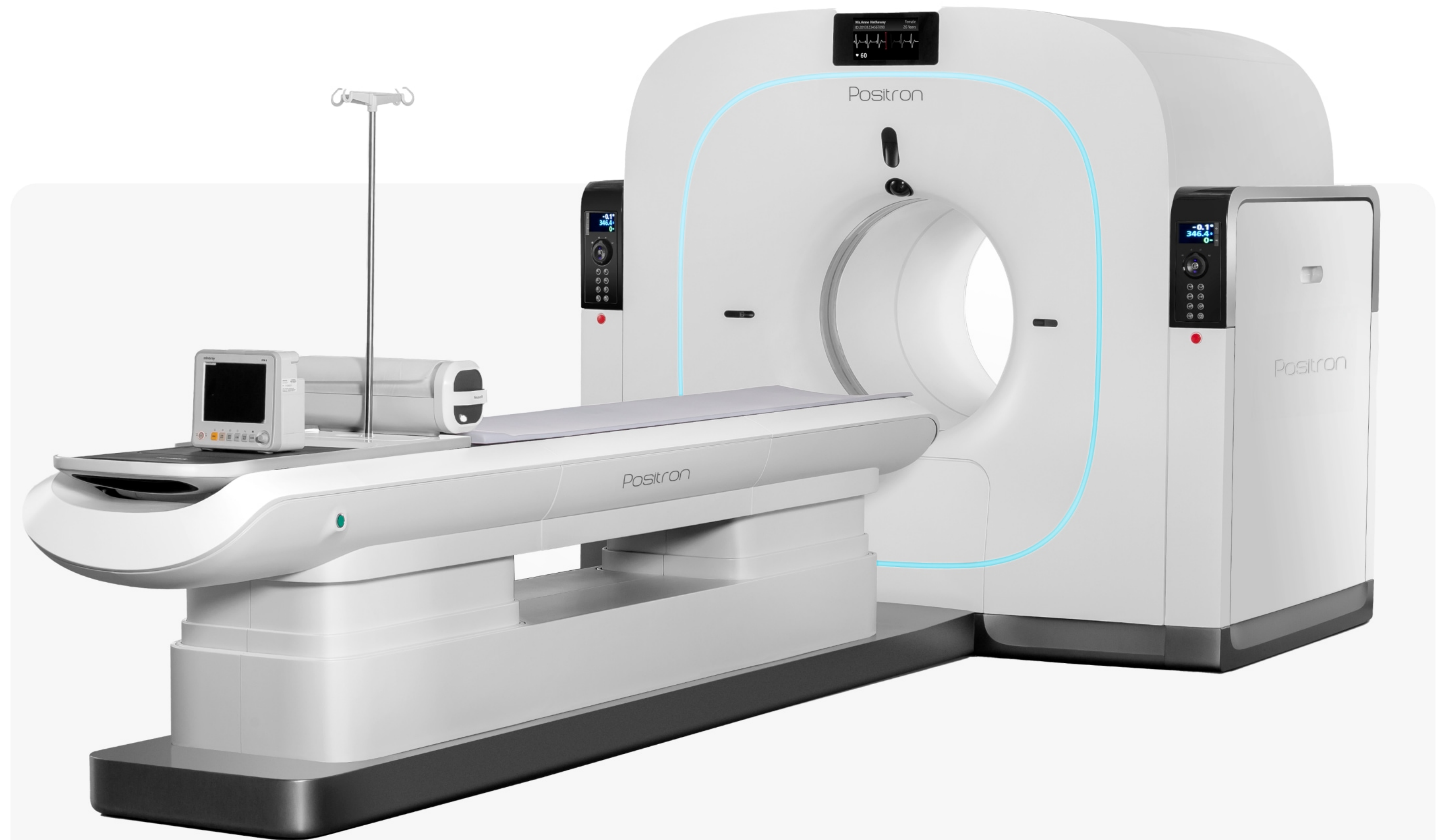
Intelligent software, exceptional image quality, and robust craftsmanship come together to elevate the imaging experience.

A personalized experience

- Ergonomics and clinical design combine for patient comfort and intuitive technologist operation.
- The LED screen shows real-time operating status.
- The 72 cm gantry boosts patient comfort and reduces anxiety, improving the scanning experience.
- A visualization engine delivers real-time guidance for the technologist throughout each study.

Internally self shielded quality control source

- Adheres to ALARA principles with automated installation and QC, eliminating human interaction.
- A compact, built-in quality control source with self-shielding, ensuring safety and practicality.
- Streamlines quality control for greater efficiency and time savings.
- Reduces radiation exposure, a top priority for healthcare professionals.



Intelligent QC

Automatic detection and precise qualification;

Single-button control, 5 minutes to complete quality control

Omni-directional detectors ensure optimal equipment performance and easy operation.

Daily QC

Create a new service

Time setting

Single-button scan

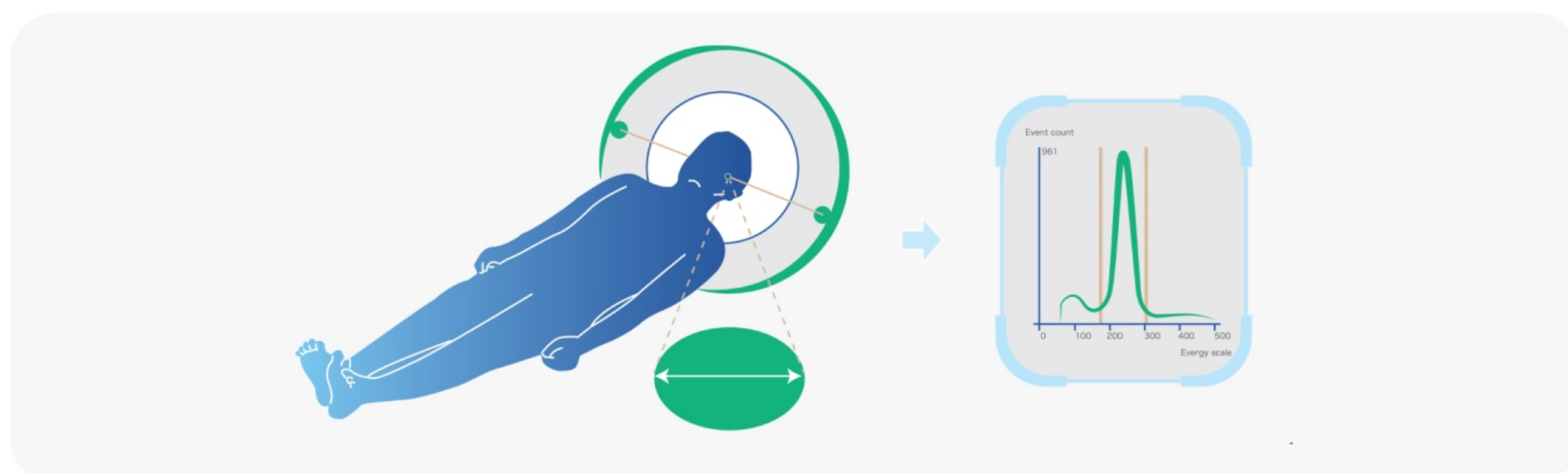
Chordal graph, image & report generation

Optimum image fusion creates excellent clinical performance

Digital signal processing detector modules and exquisite imaging

High Sensitivity

- High photon load resistance with a background-free radiation crystal material.
- Thick crystal design with a large effective detection area.
- Energy self-correction technology enhances count rate consistency across crystal units, boosting module performance and system sensitivity.



High Resolution

Clear HONEY-COMB detection technology

- The PET detector modules utilize patented asymmetrical light-guided core technology, enhancing event decoding precision and ensuring uniform module signal sampling.

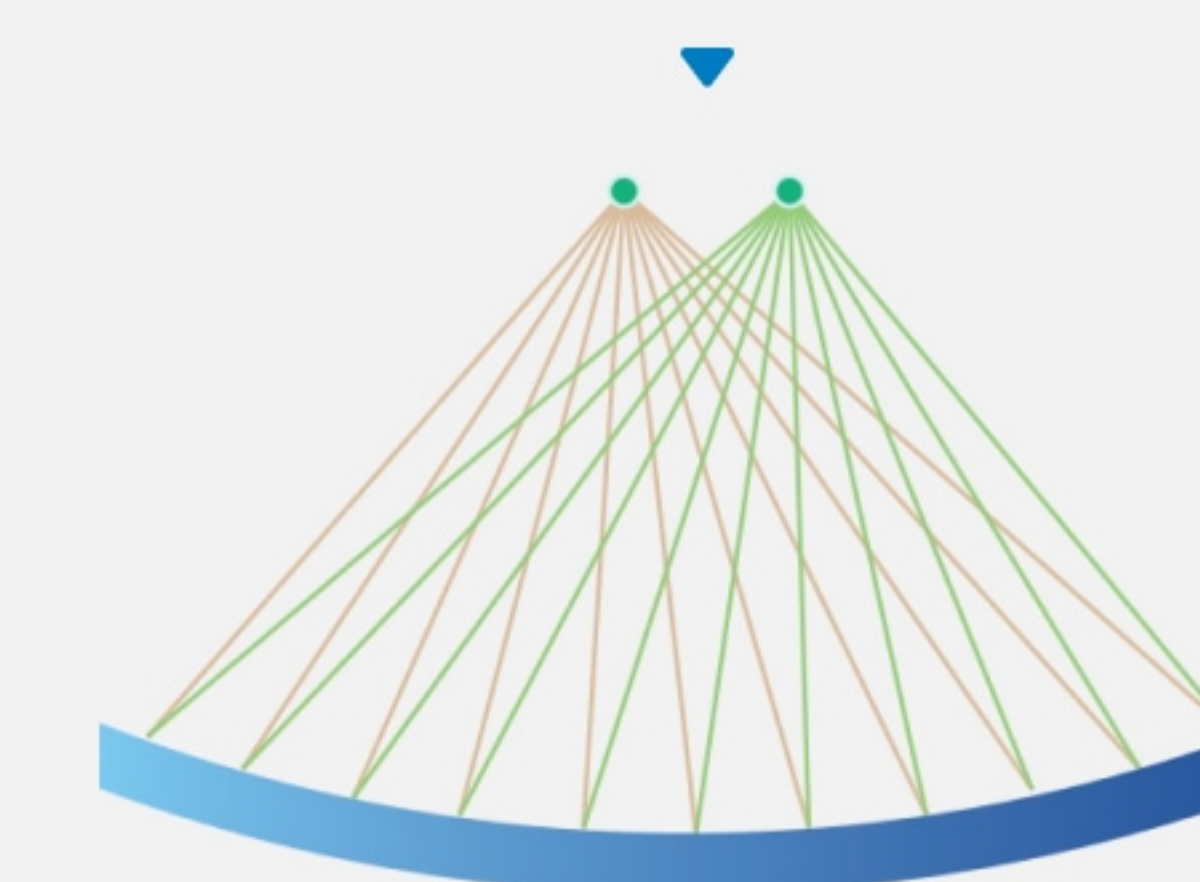
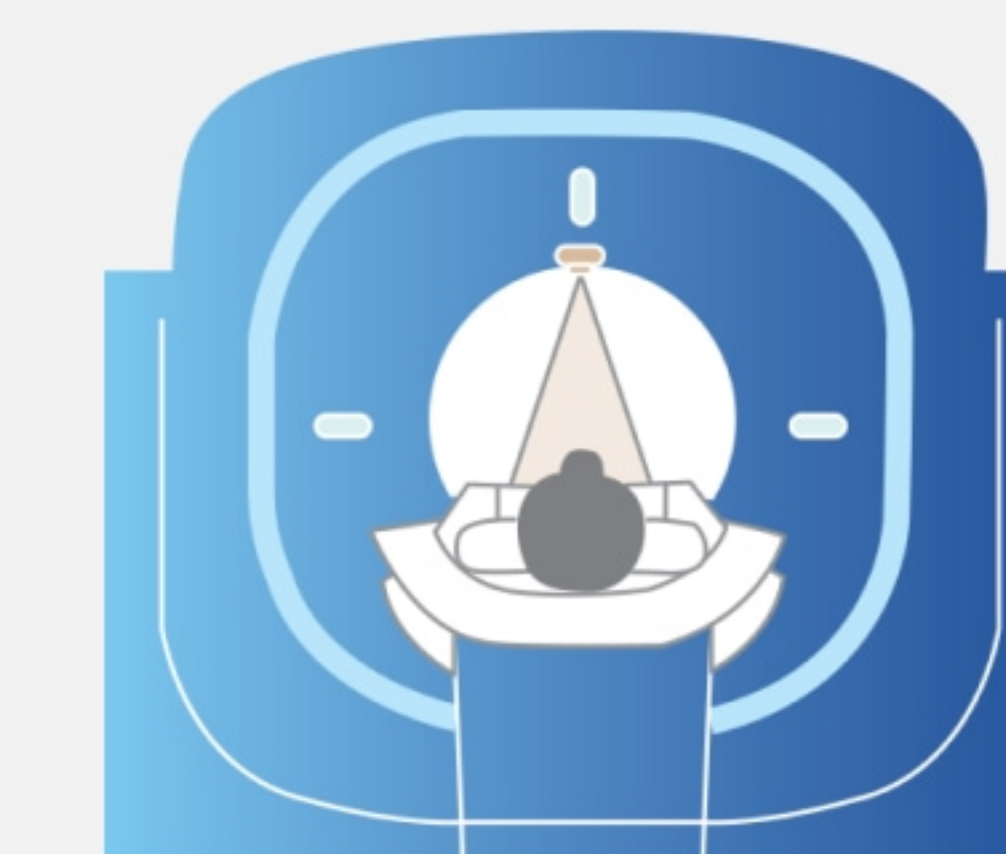
IPIE position identification technology

- Crystal position identification employs IPIE (Isopycne Position Identification Enhancement) to significantly boost event positioning precision and image resolution.

NeuViz 64 In CT

Outstanding performance

- A large heat capacity smart X-ray tube, double sampling of X and Y axis, and intelligent quadruple acquisition to collect raw data achieve offer a perfect balance of speed, dose, and image quality.



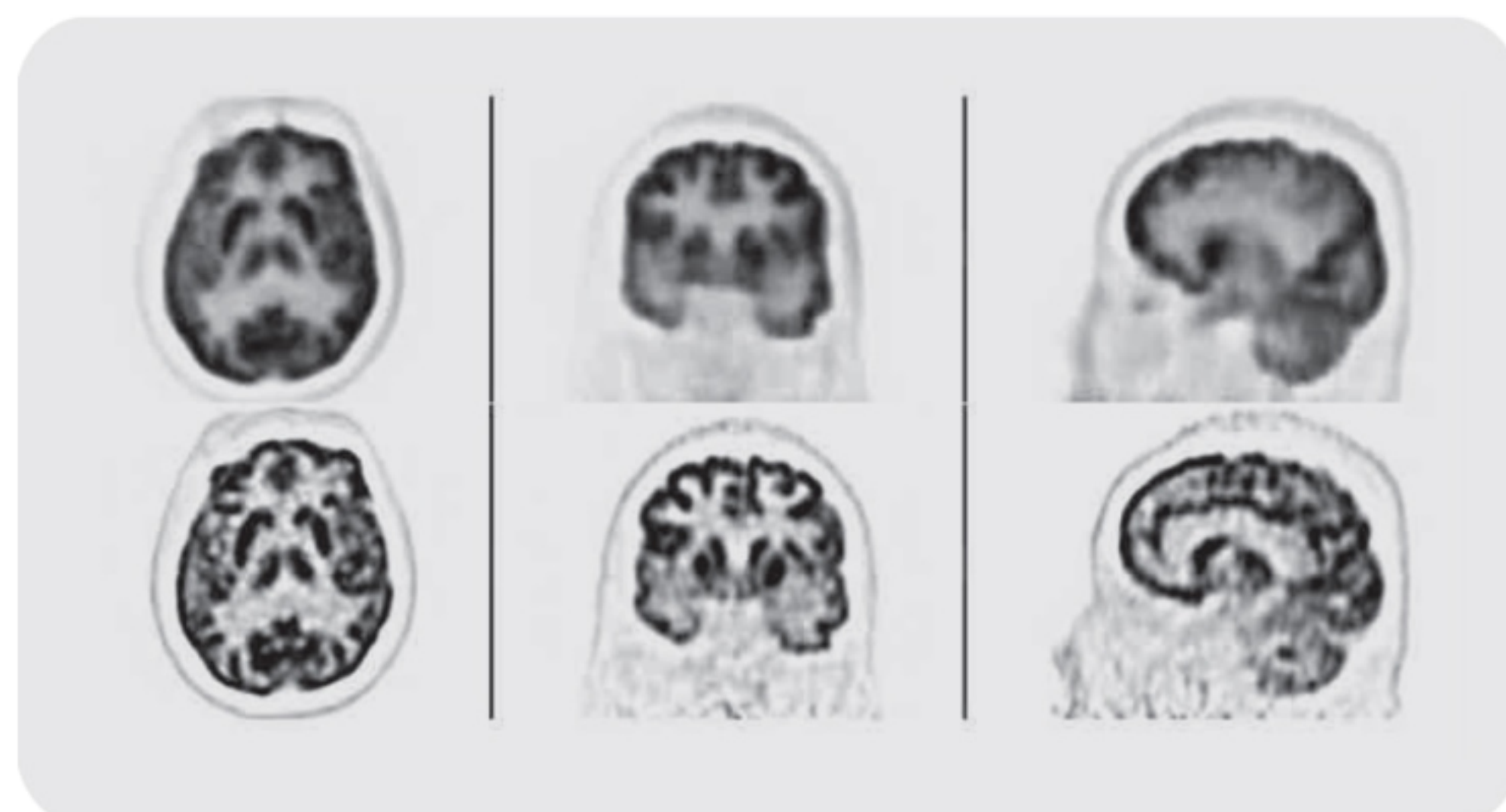
Micro-Star detector

- Hyperfine structure nano-slicing.
- Ultrathin photosensitive layer nano-slicing
- High-efficiency conversion



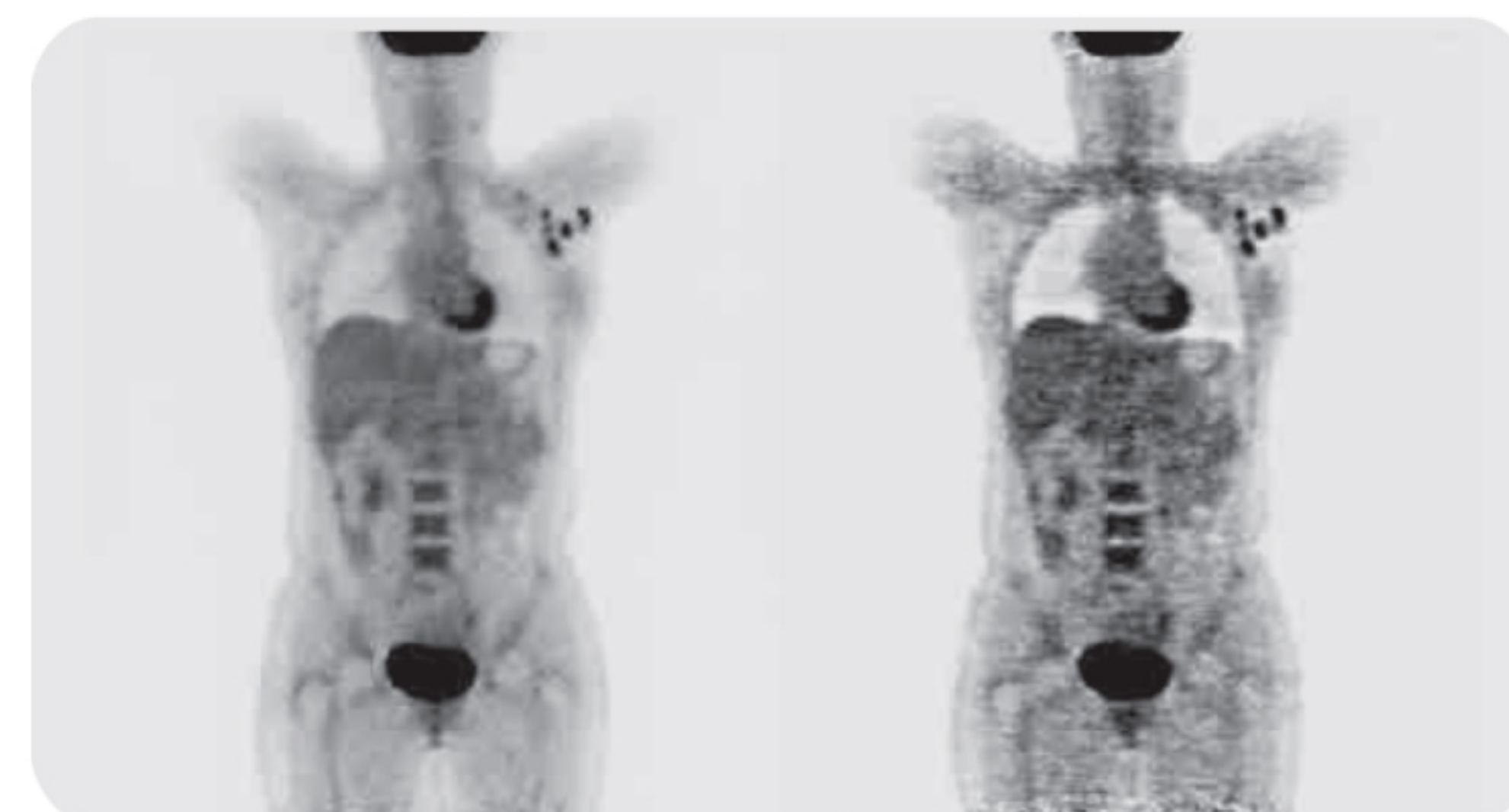
Core technology matching delivers more precise diagnostic information.

Advanced digital signal processing in detector modules for exceptional imaging.



PDR

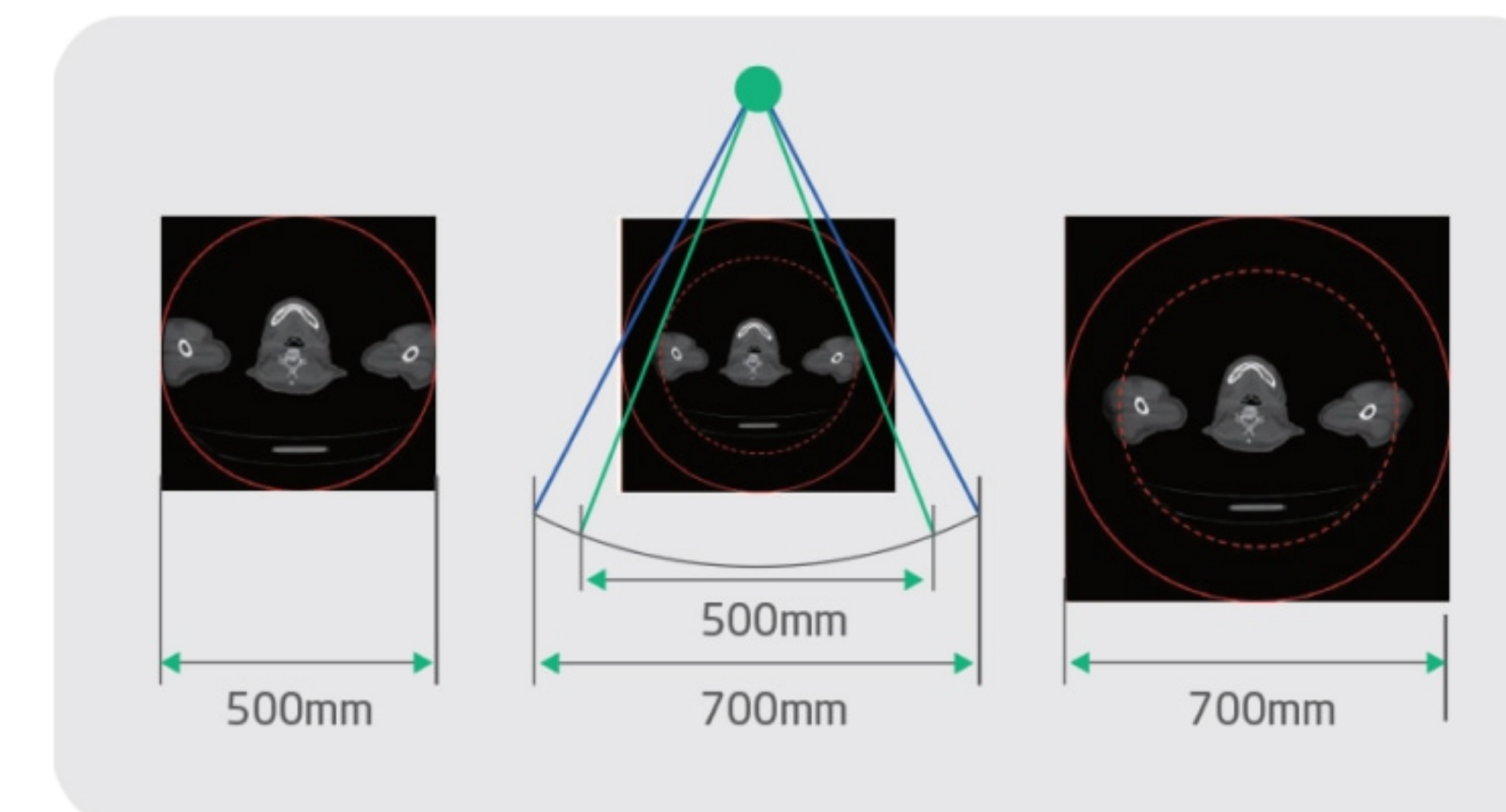
Enhance resolution for crystal-clear images with intricate detail.



WLS

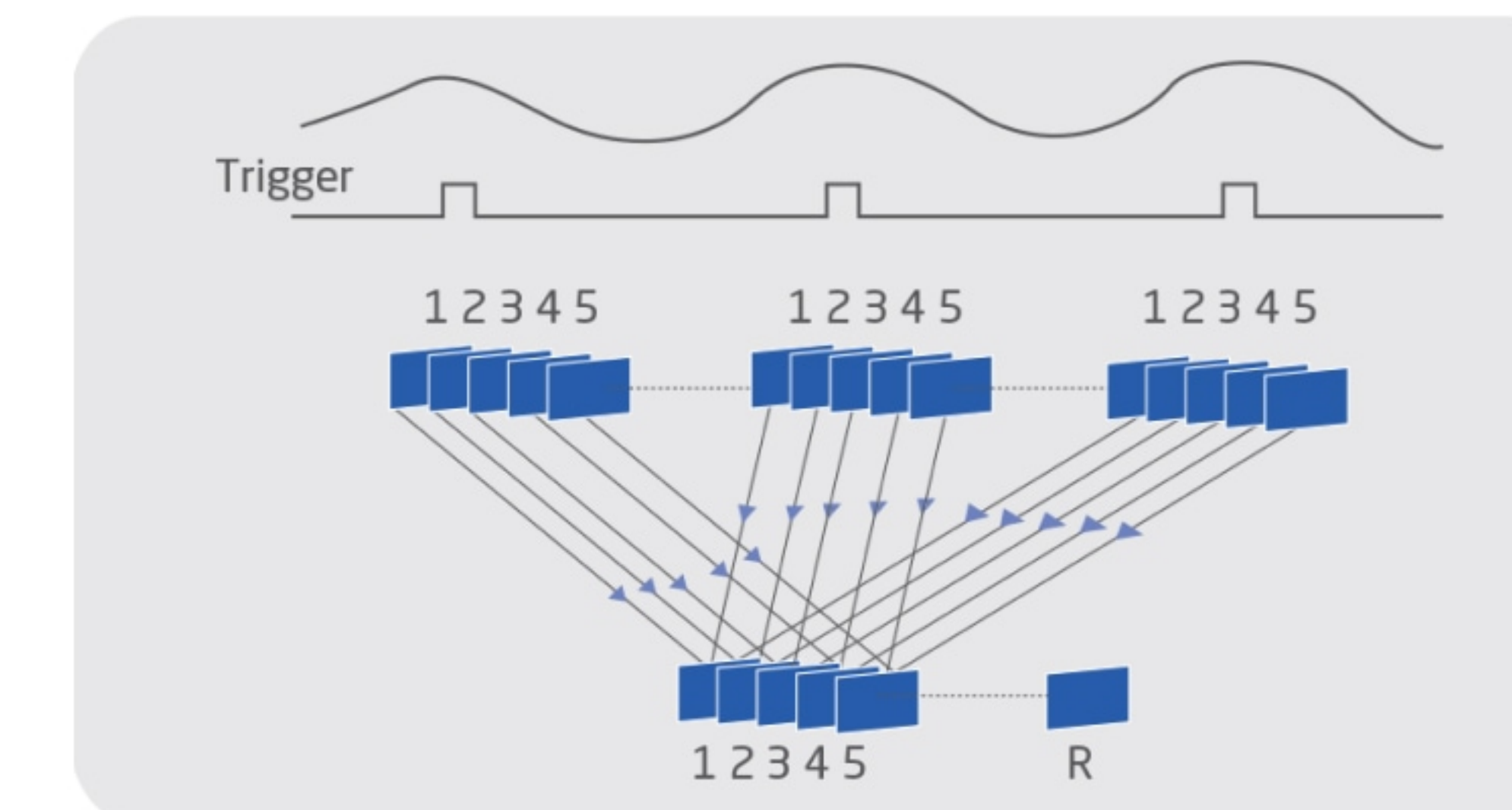
The WLS algorithm is recommended for precise, error-free lung oncology exams.

Mastering core technologies to enhance care for patients worldwide.



CT extended FOV

CT offers a 70cm transaxial view for attenuation correction in PET, ensuring clearer images regardless of body size.



4D GATE

Eliminate blurring from cyclical movement by using gating to produce 4D PET and CT images, precisely aligning each for attenuation correction and fusion.

Prioritizing Patient Dose

Delivering high-quality imaging with minimal dose

Low radiation dose

Tube current and voltage are adjusted according to exam requirements for optimal performance.

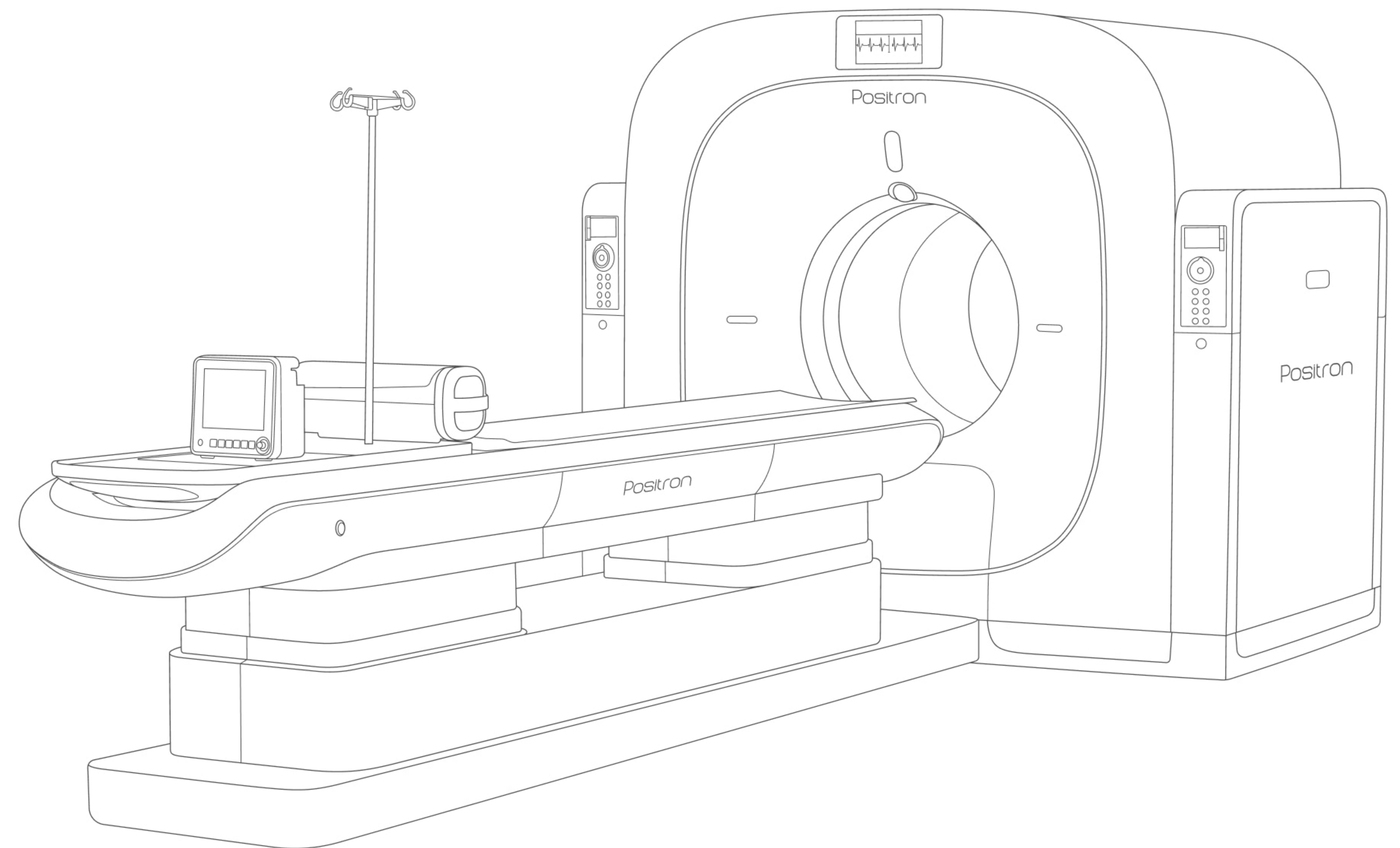
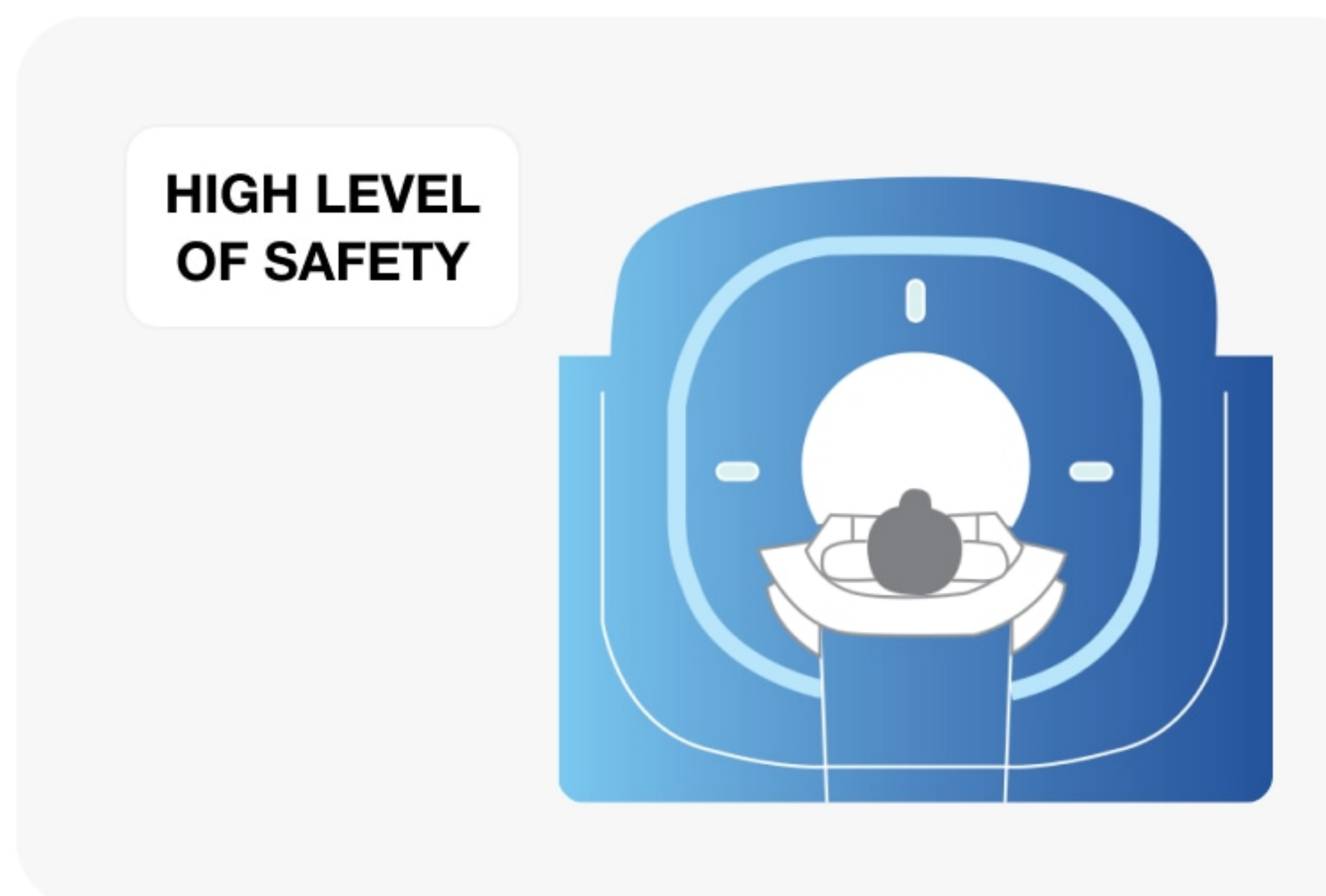
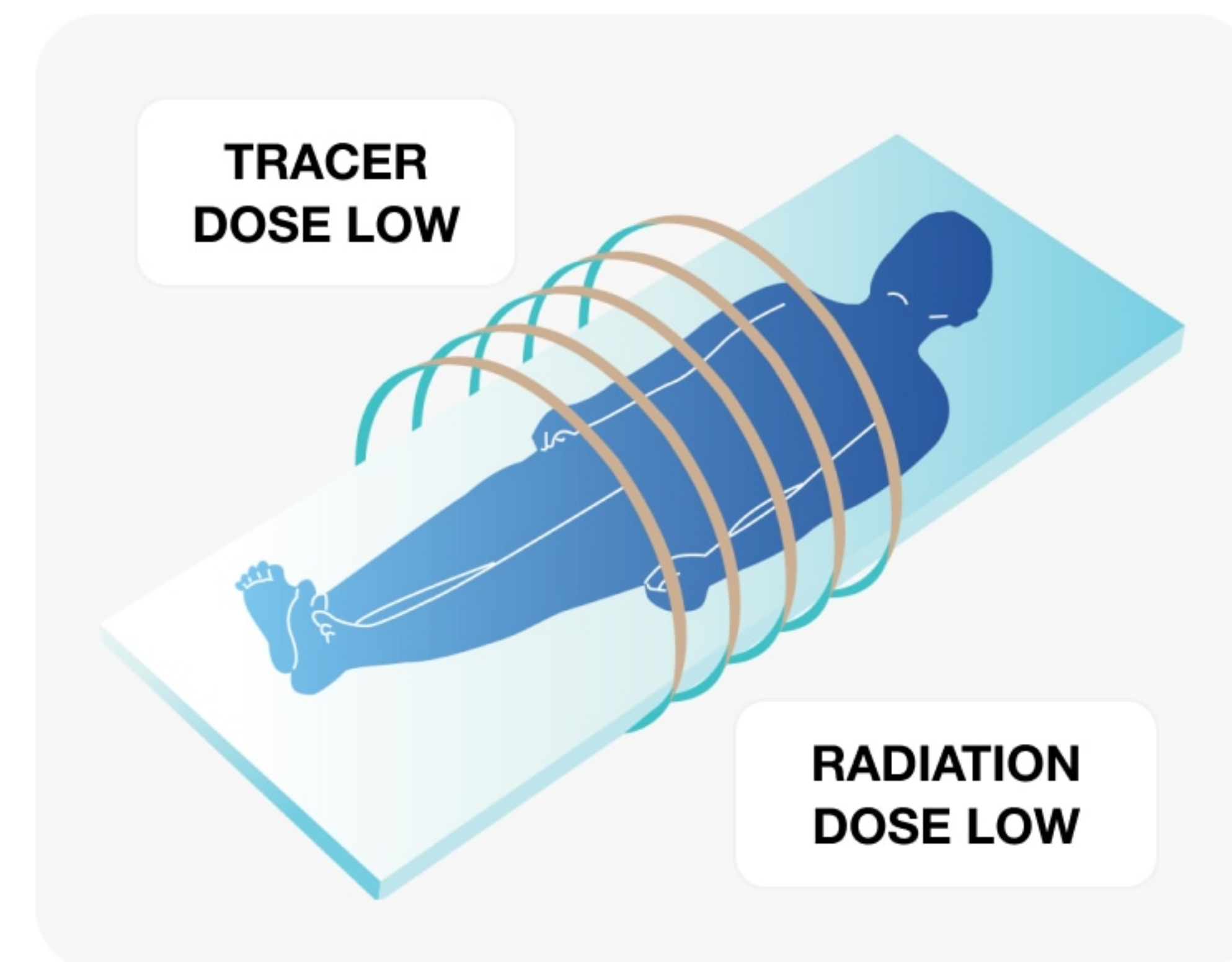
Low tracer dose

The highly sensitive acquisition system reduces the patient's tracer dose.

Increased safety

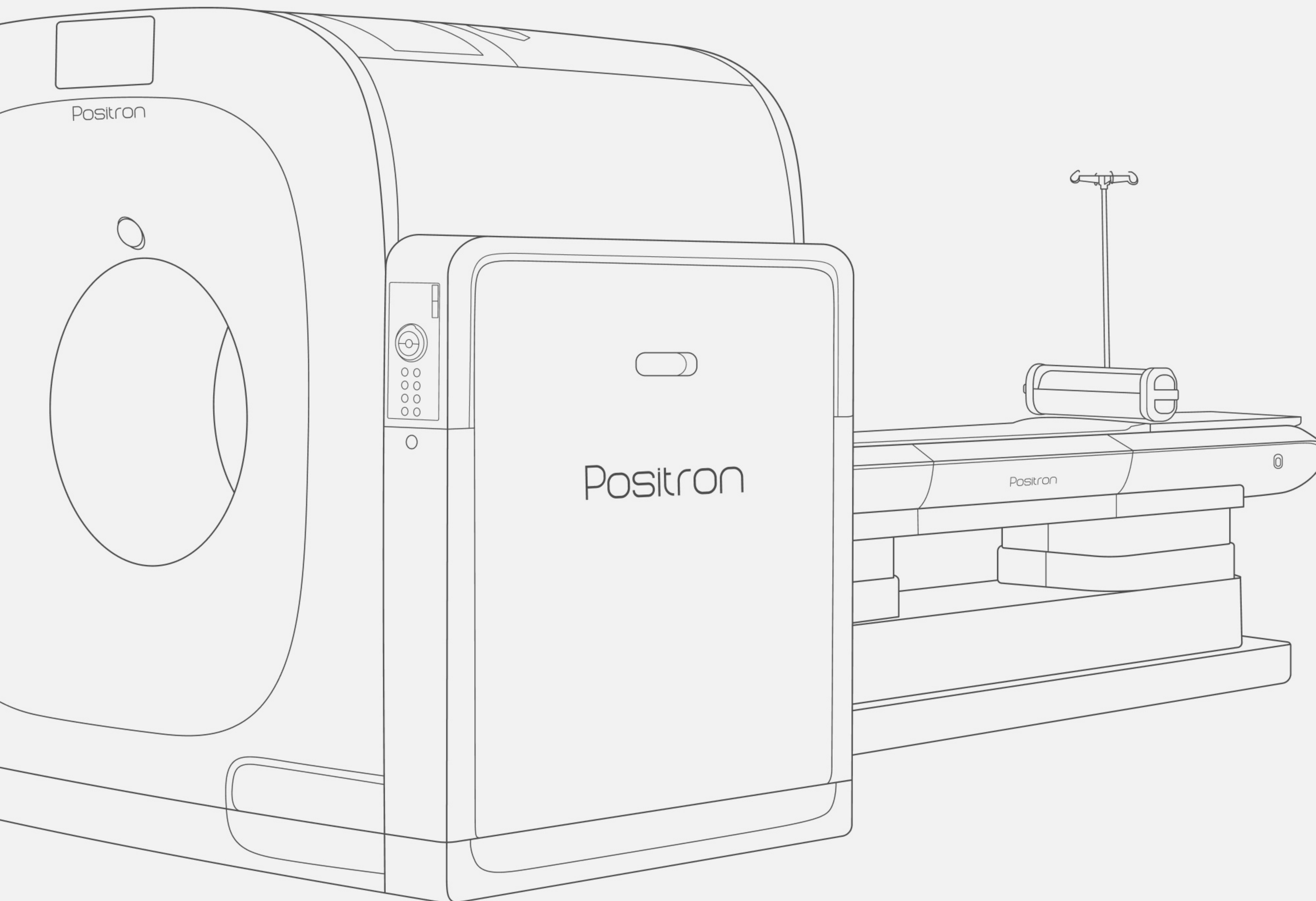
Door interlock ensures control over X-ray generation and rod source output.

Continuous movement patient table controls ensure smooth adjustments.



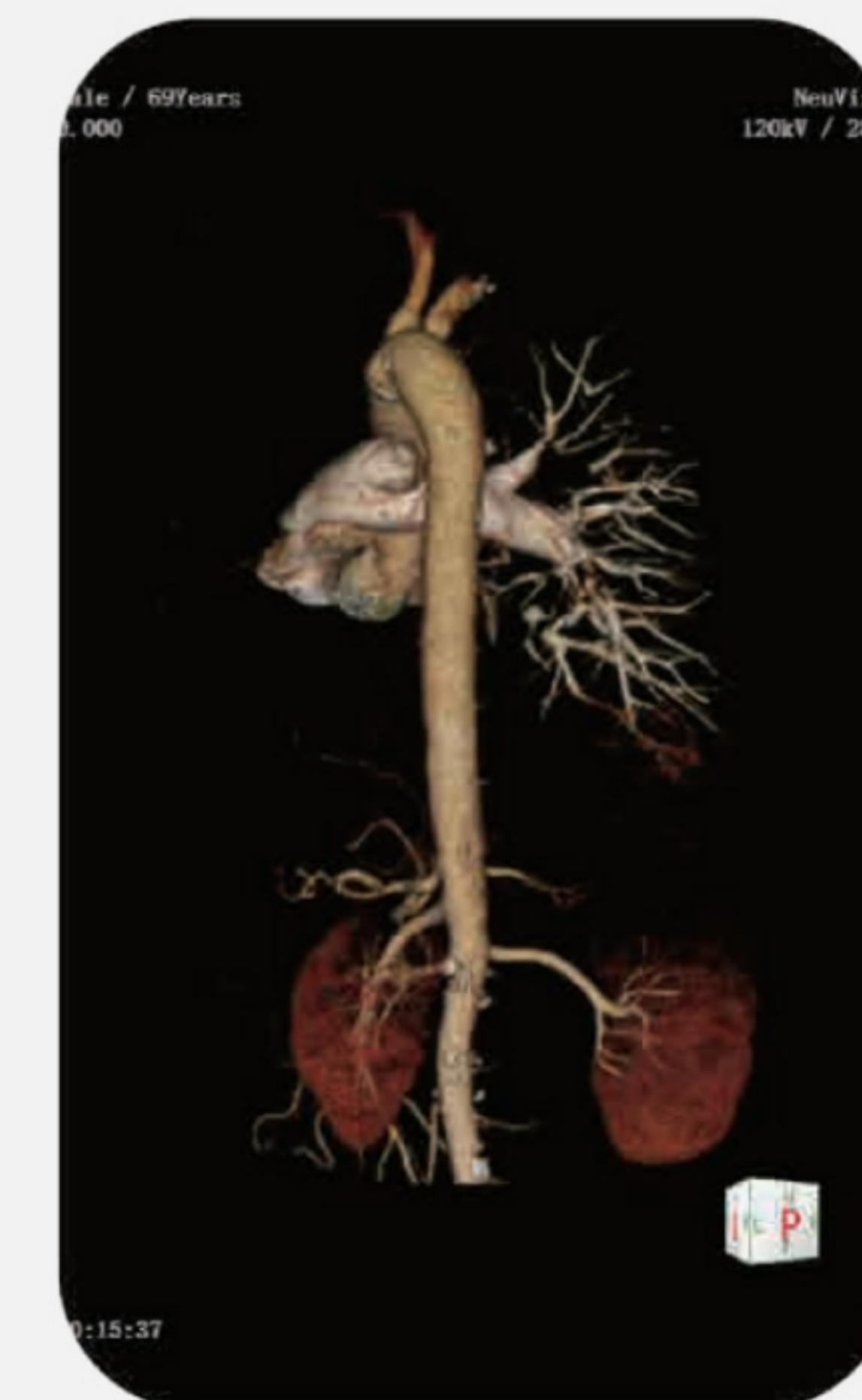
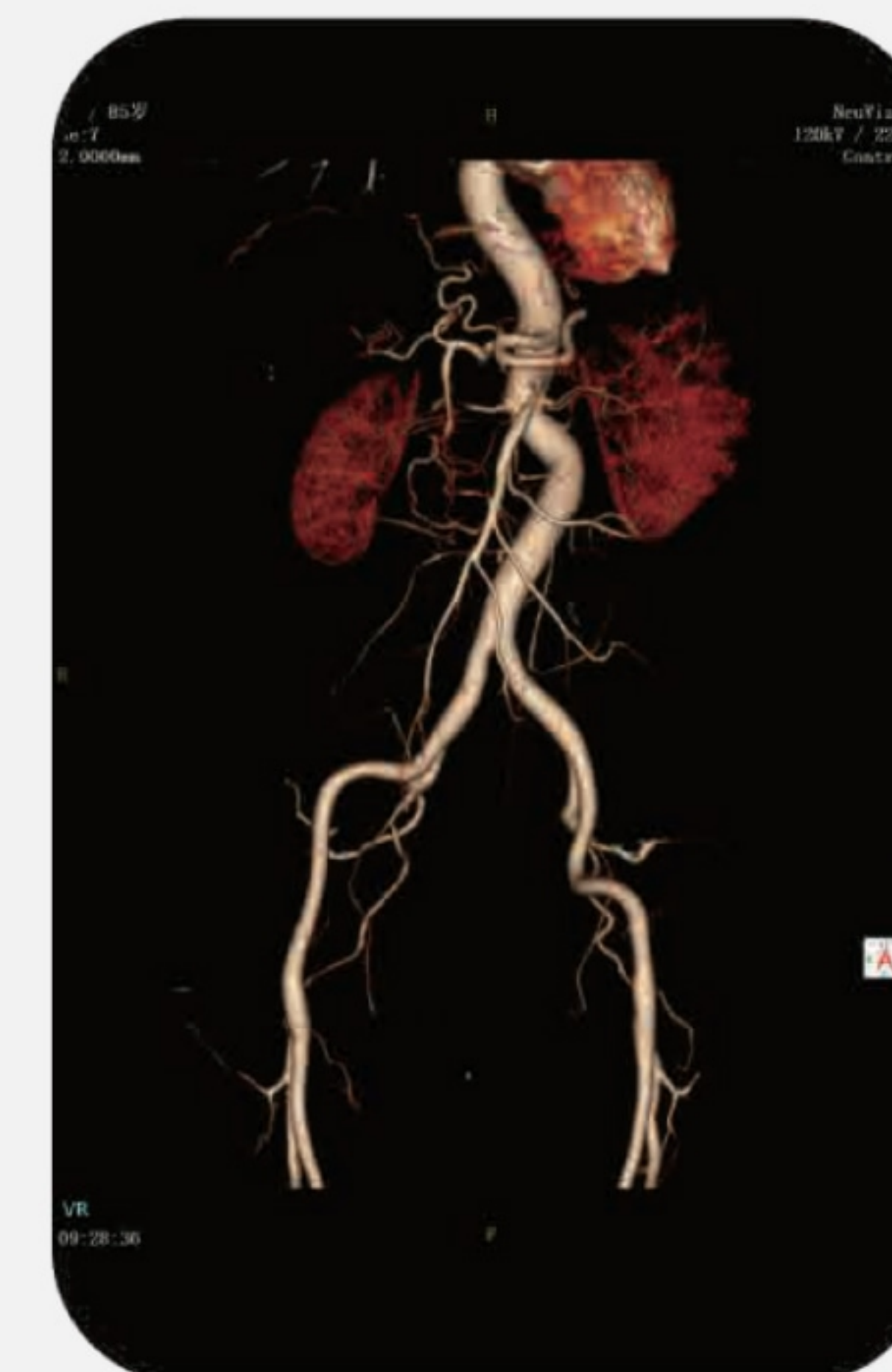
Positron

Independent use of NeuViz 64In delivers superior quality and performance



Advanced imaging of blood vessels and bone

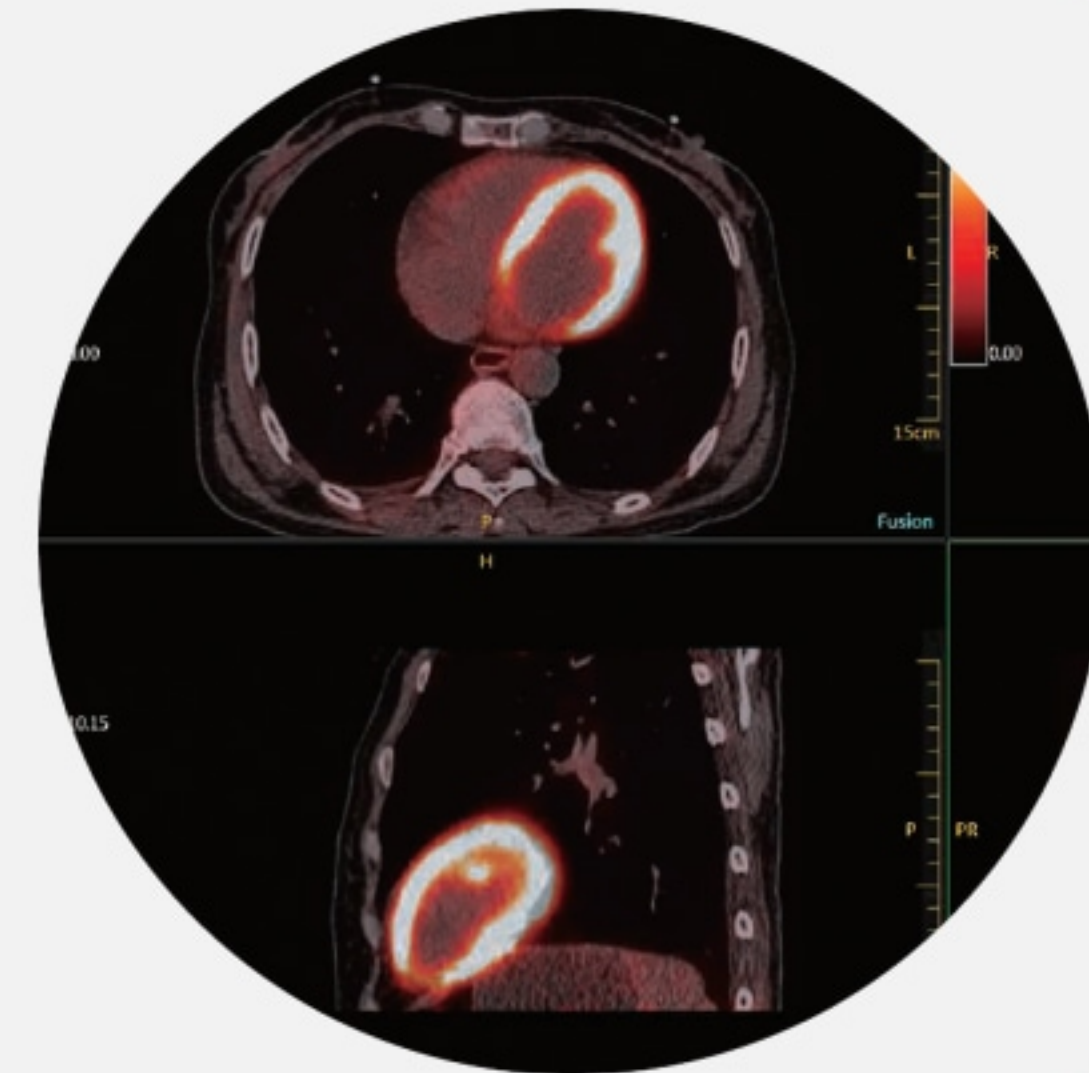
Volume rendering imaging



Advanced clinical applications provide unmatched image clarity.

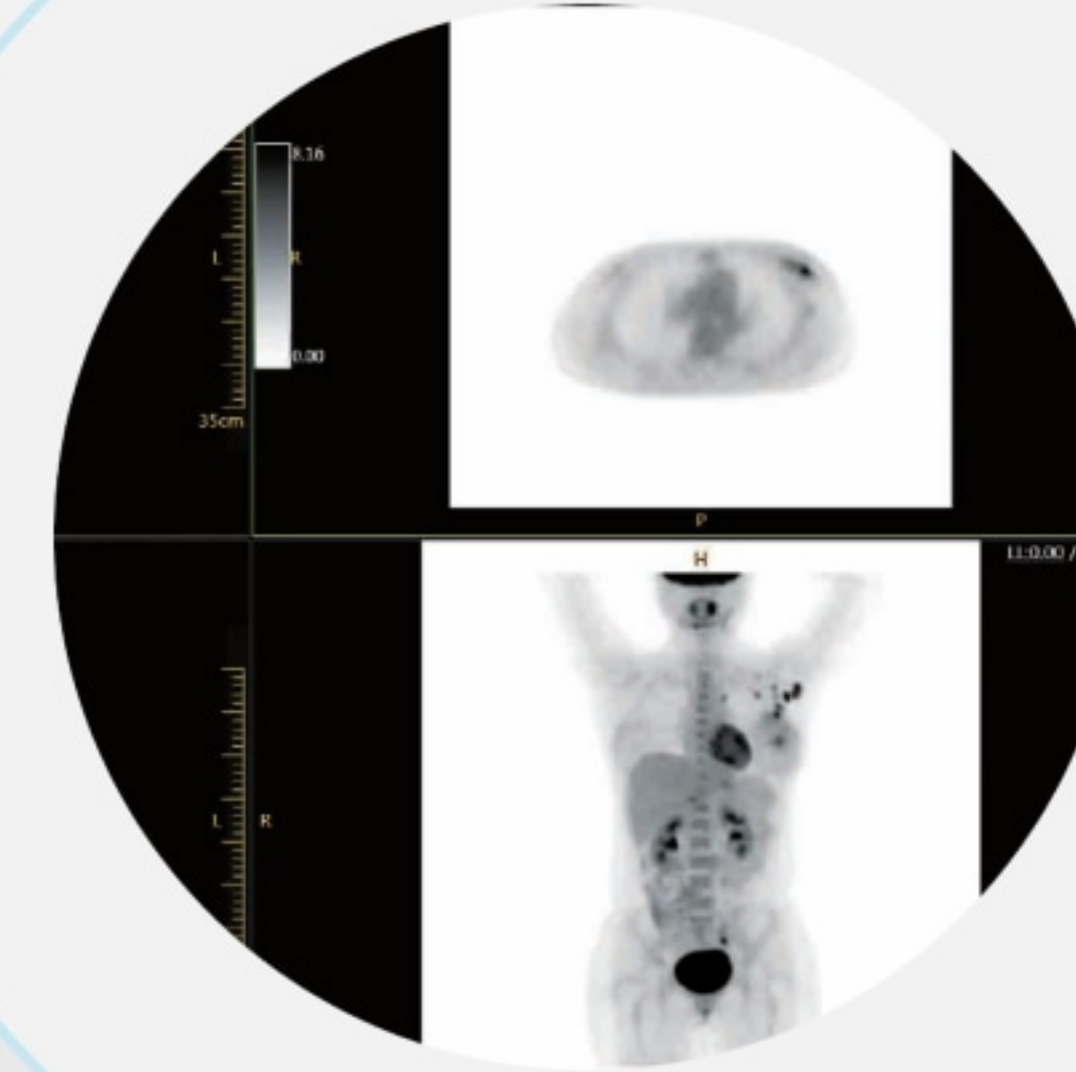
Heart Function

- Diagnosis of myocardial ischemia and coronary heart disease
- Therapeutic program development



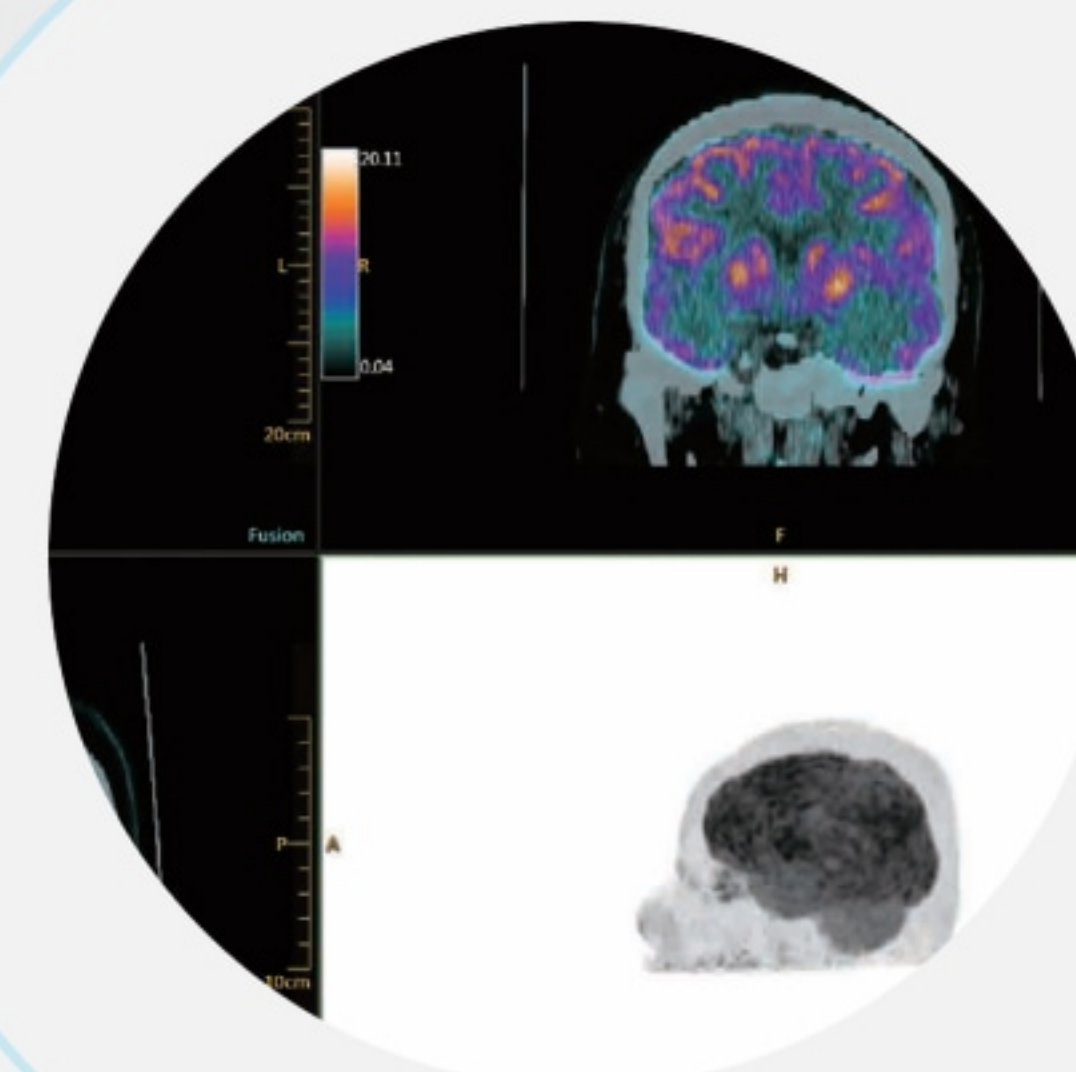
Tumor Management

- Detecting early tumors
- Identifying lesion nature
- Locating primary lesion
- Evaluation before, during and after treatment



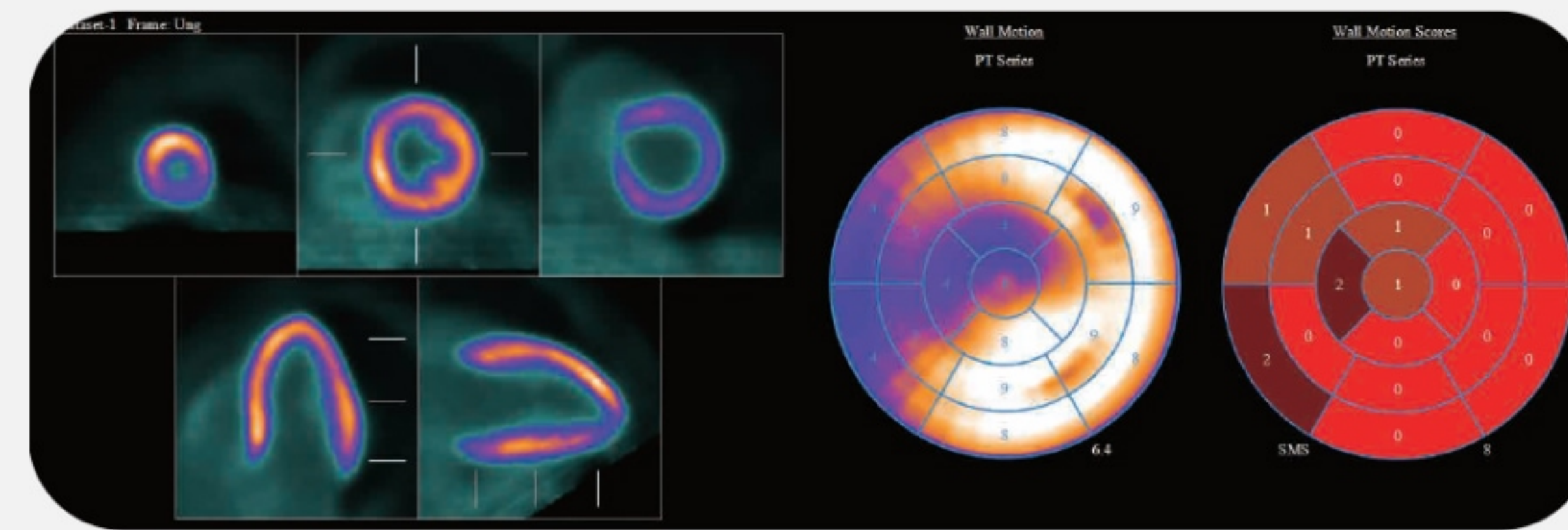
Cerebral Neurology

- Quantitative analysis of brain images in both Talairach and patient space
- Coregistration of PET or CT data with a reference template (The Talairach atlas)



Corridor 4DM

Global advanced heart software supports multiphase heart data loading to analyze myocardial perfusion images and provide quantitative heart function analysis.

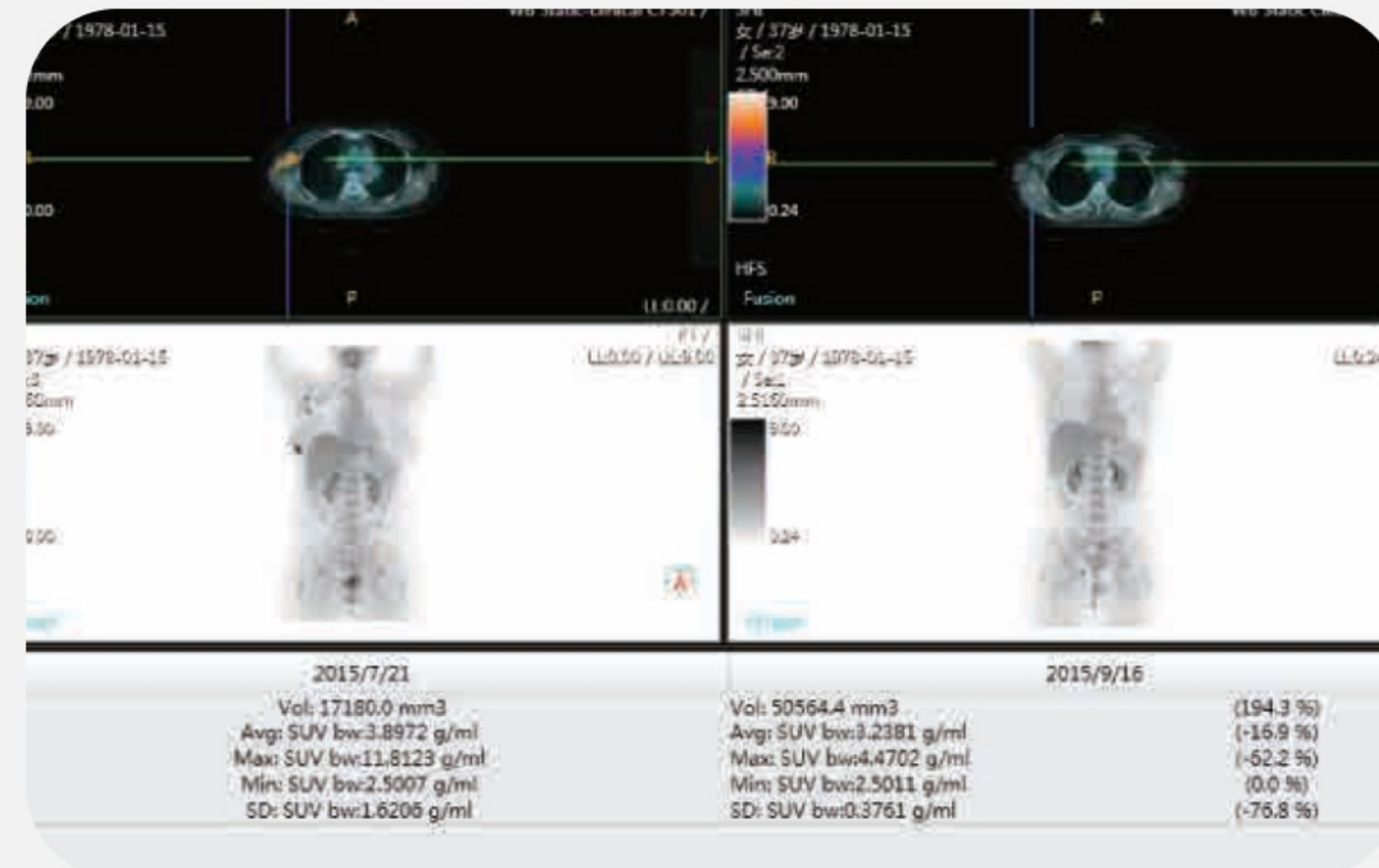


Tumor management application

Compare, analyze, and track tumor progression with up to four sequential PET/CT studies.

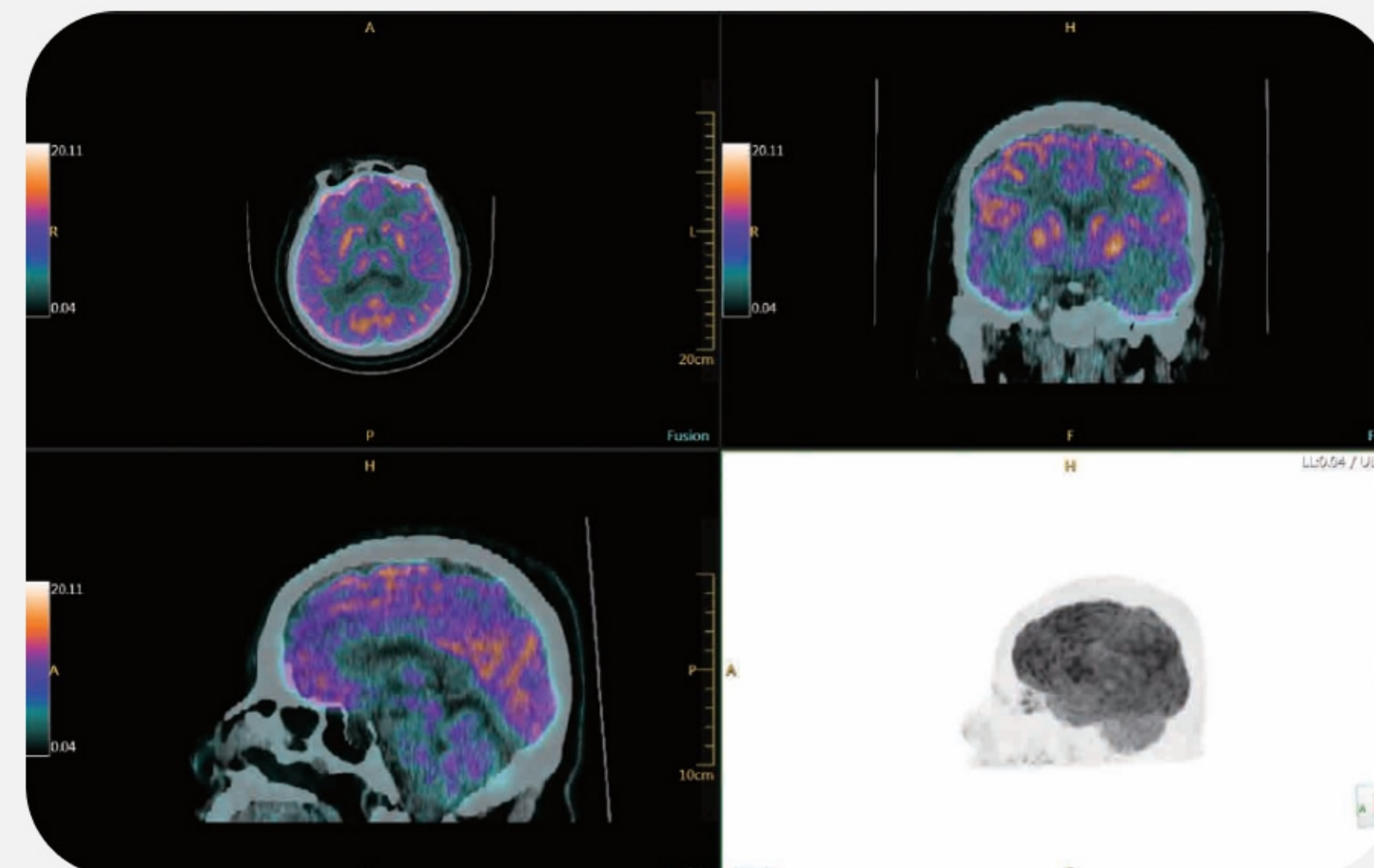
The SUV-based semi-automatic tumor segmentation.

Measurement of changes in tumor volume and metabolic activity



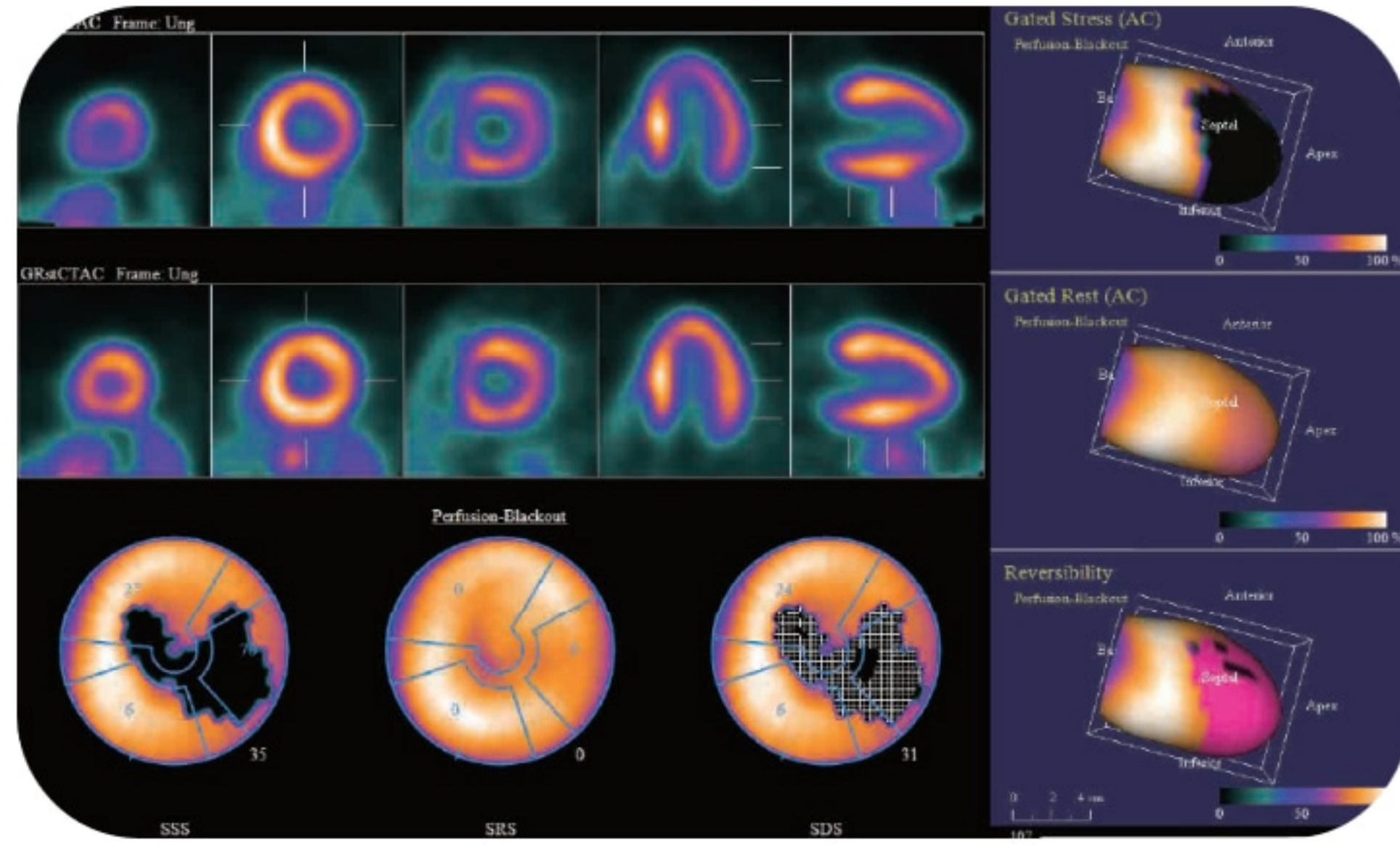
Neurology application

Cerebral metabolism analysis uses spatial normalization of brain images through registration to calculate SUV in regions of interest, enabling comparative analysis of left and right hemisphere function over time.

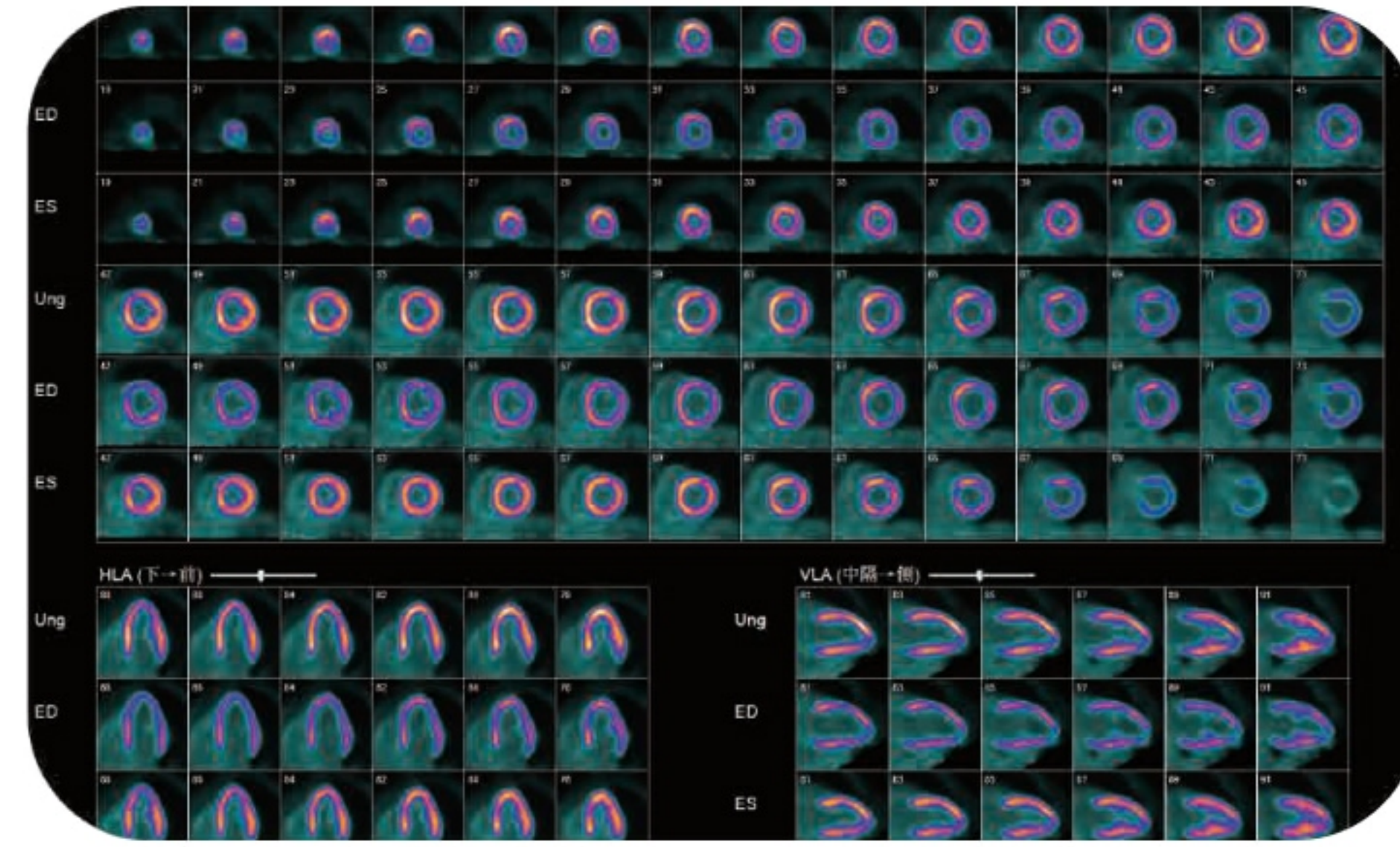


Clinical Imaging

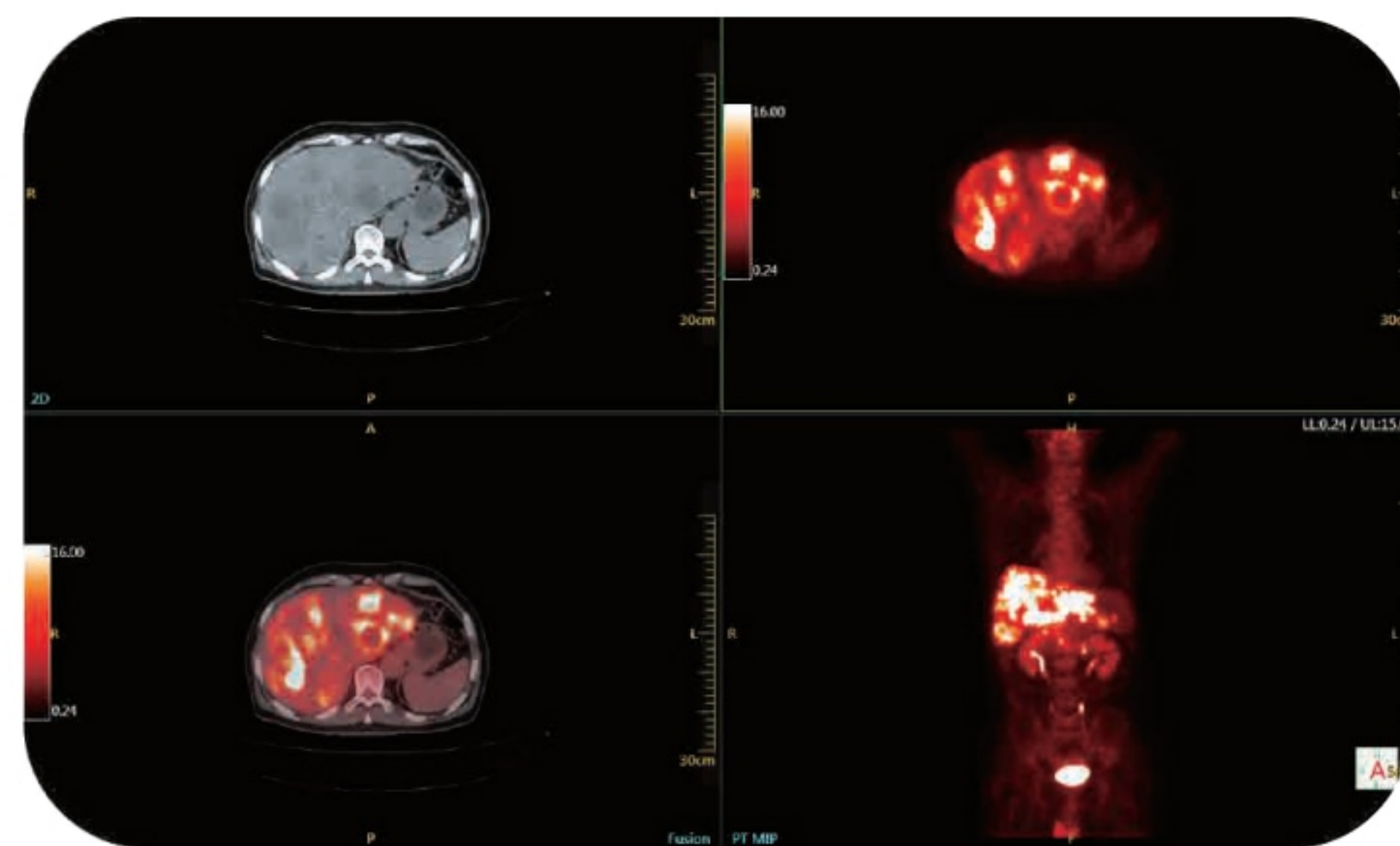
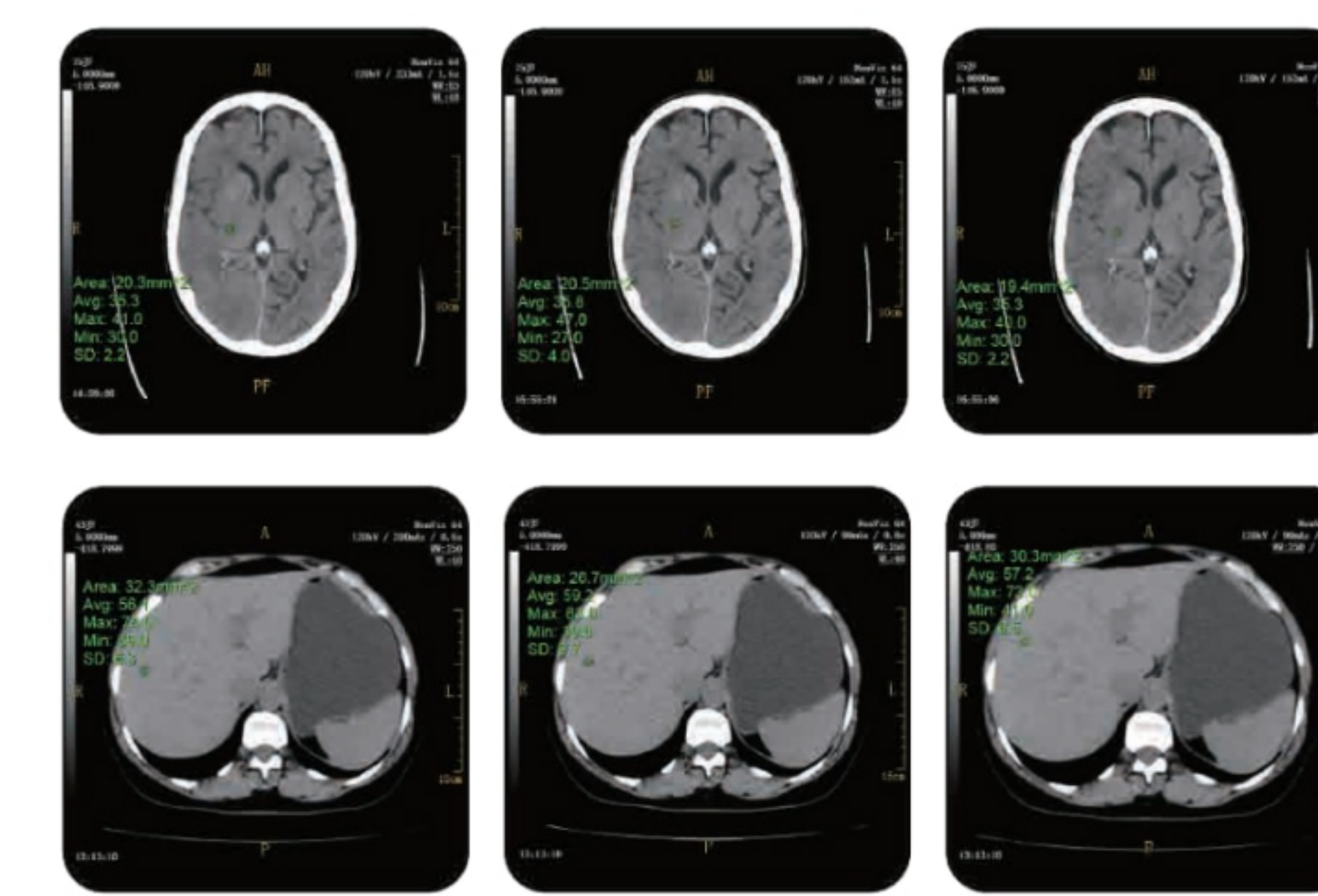
NeuViz 64 In CT Imaging



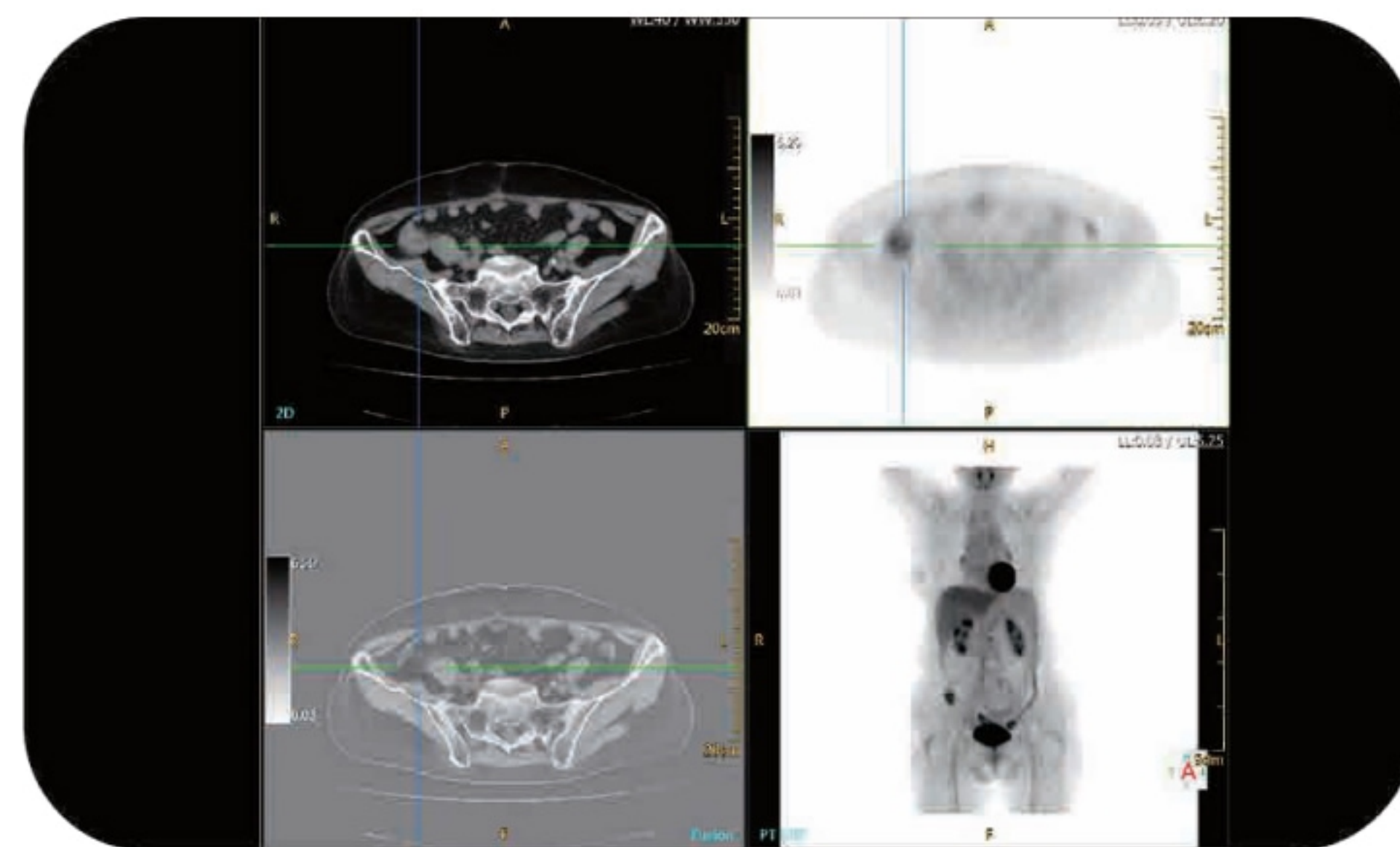
4DM Cardiology Quantification



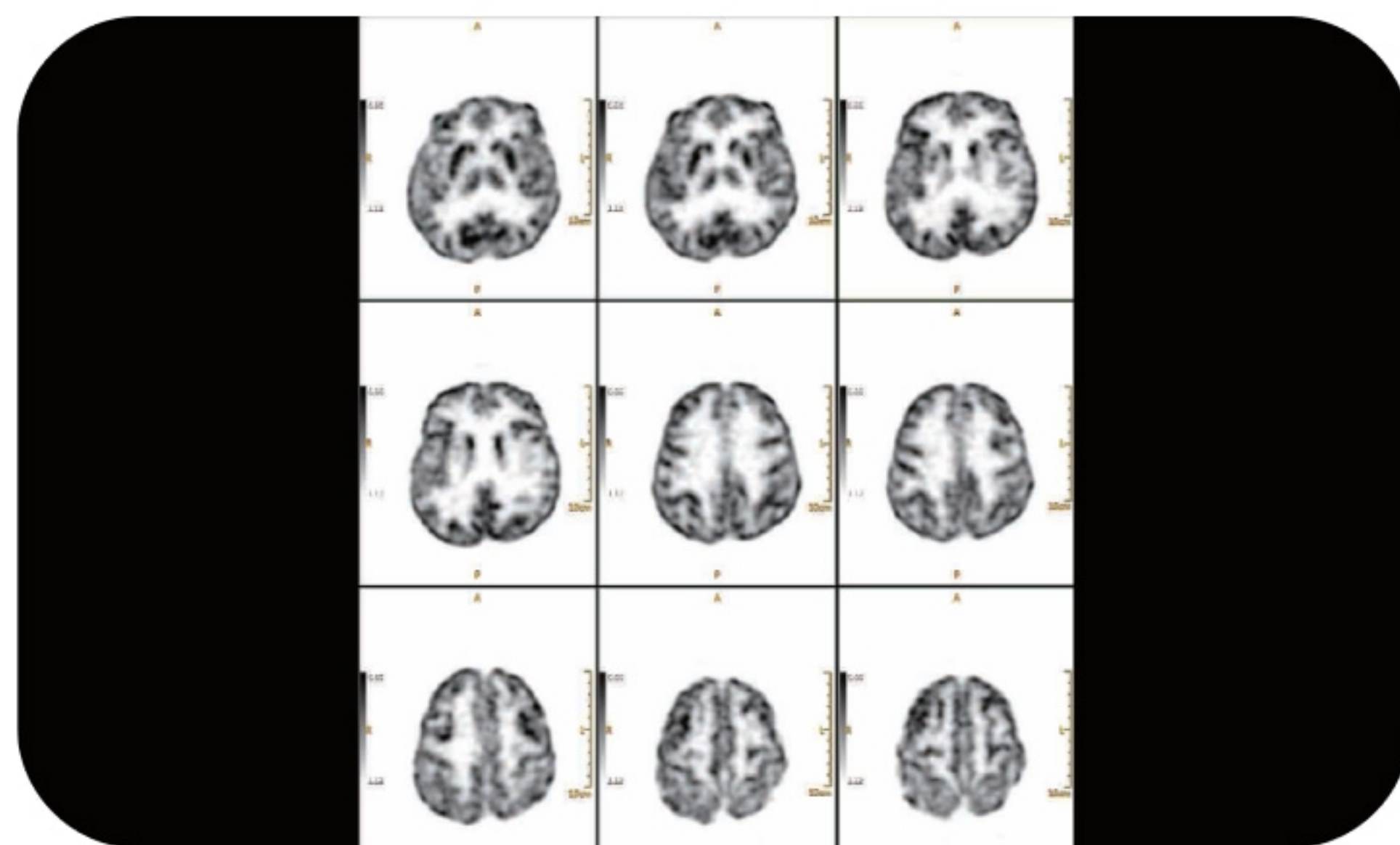
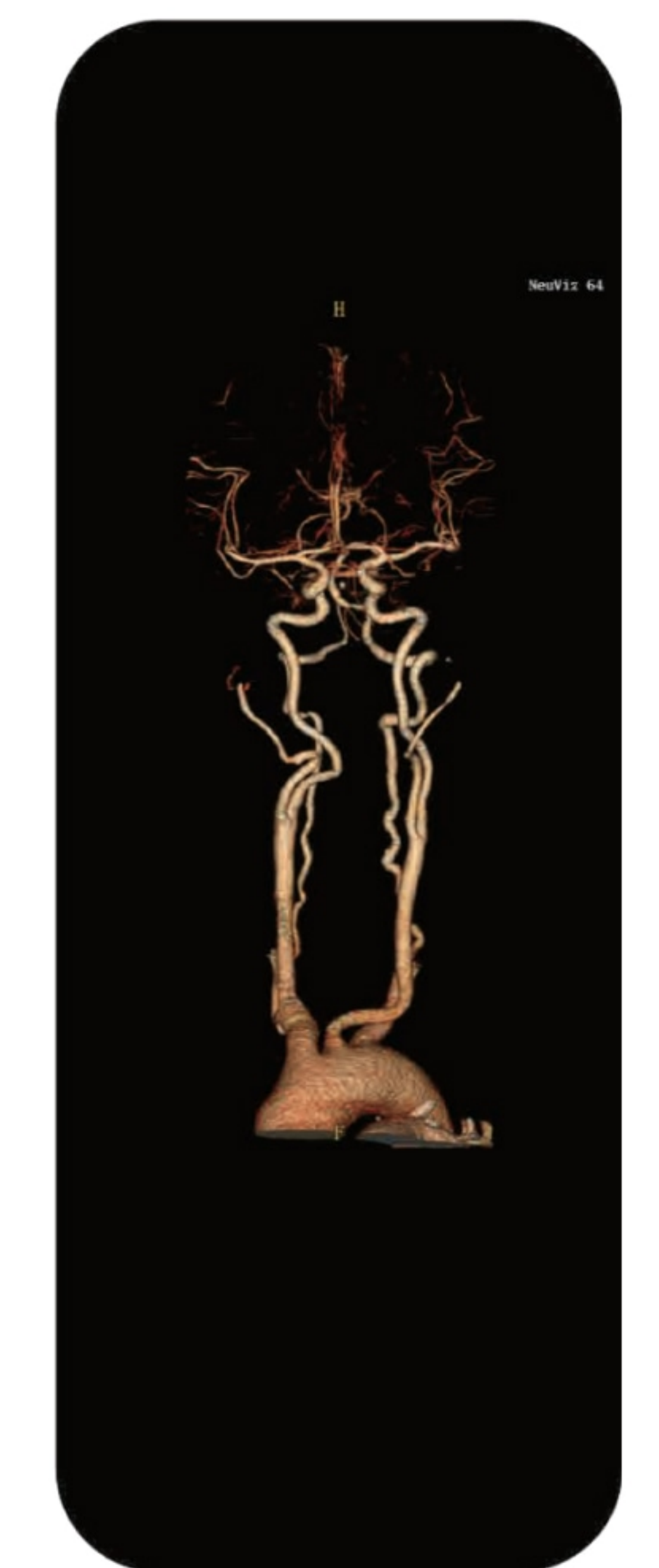
PET Myocardial Perfusion



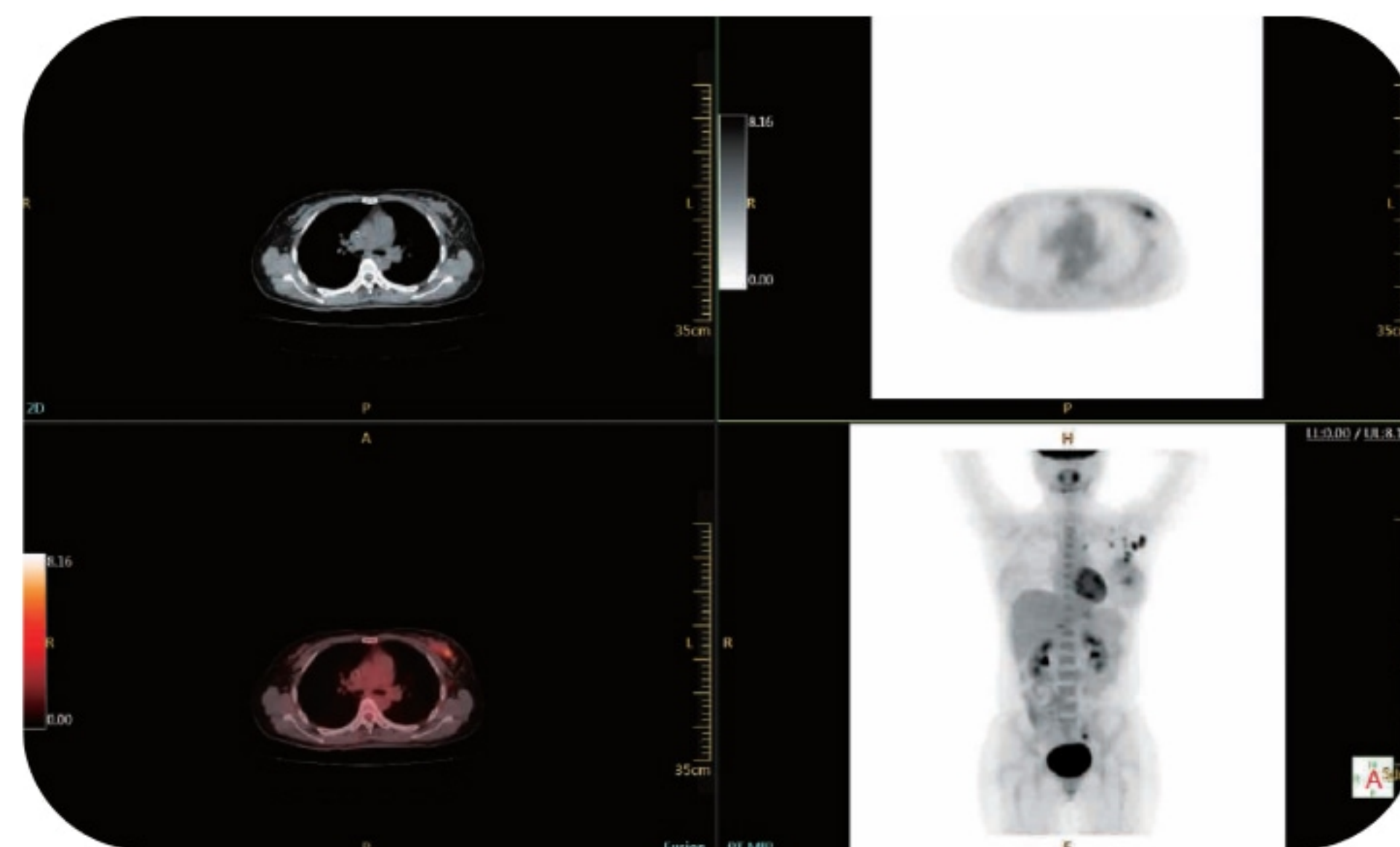
Hepatic - Ca Liver Metastatic Lesions



Post-operative Ca Colon

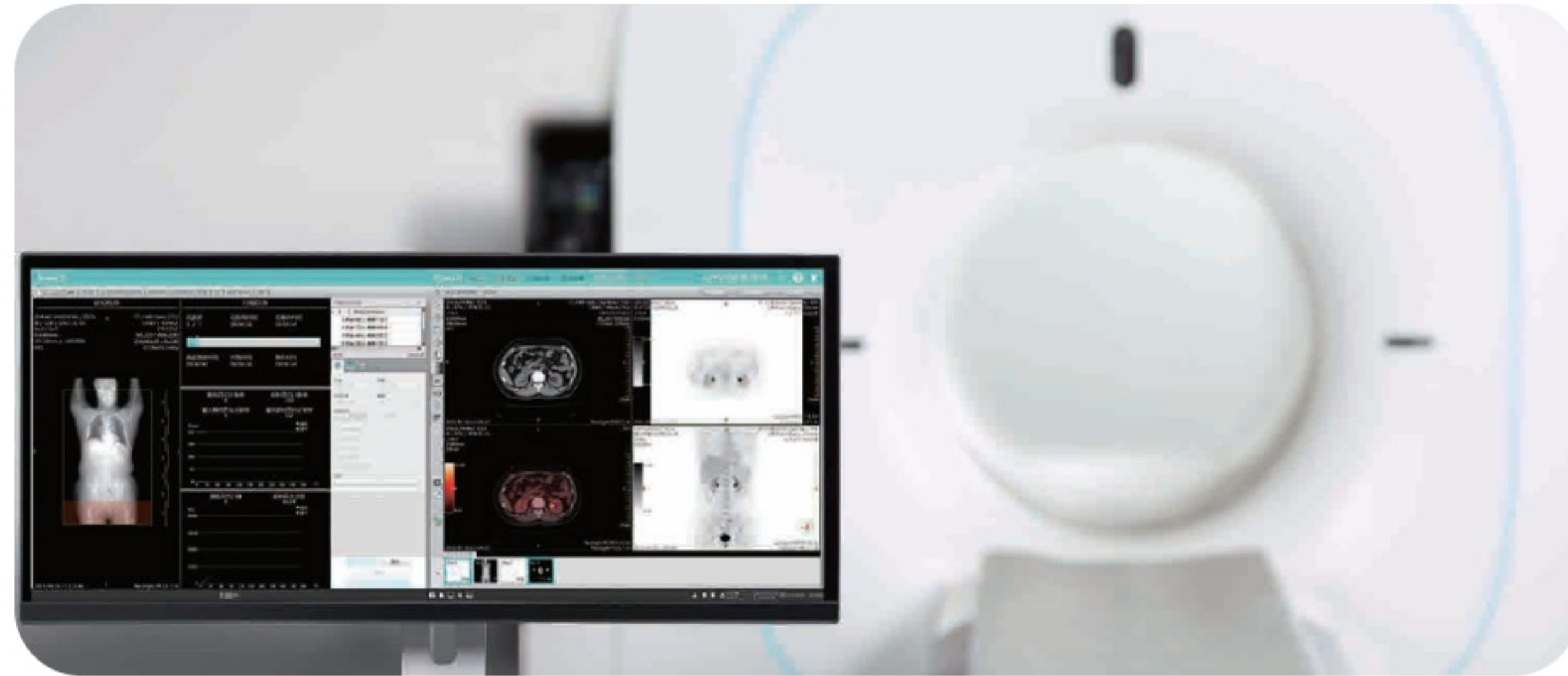


PET Brain - Indication R/O (Tumor/Alzheimer's disease)



Skeletal images

Innovative large curved monitor with an intuitive operating system.



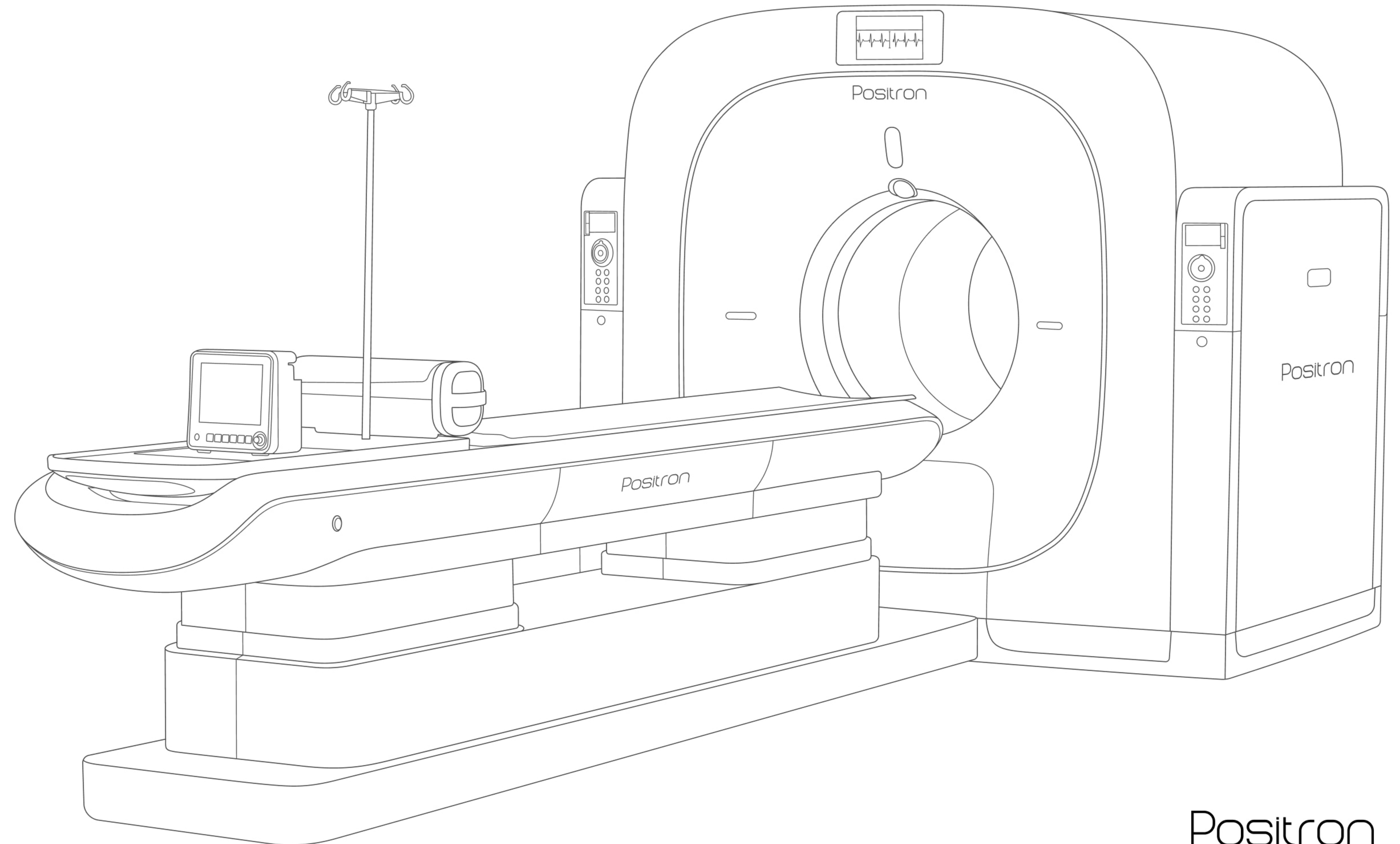
21:9 Large Workstation

Providing a comfortable visual experience with crossover innovation, widescreen acquisition, seamless switching, and one-key workflow for automated quantitative analysis.



PET/CT Control Box

The intuitive design and remote-control scanning enhance workflow efficiency with ease of use.



Positron

Positron

The Future of Cardiac PET Imaging