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Wechat Officials



**High-end
Digital PET/CT**
ScintCare PET/ CT 730T

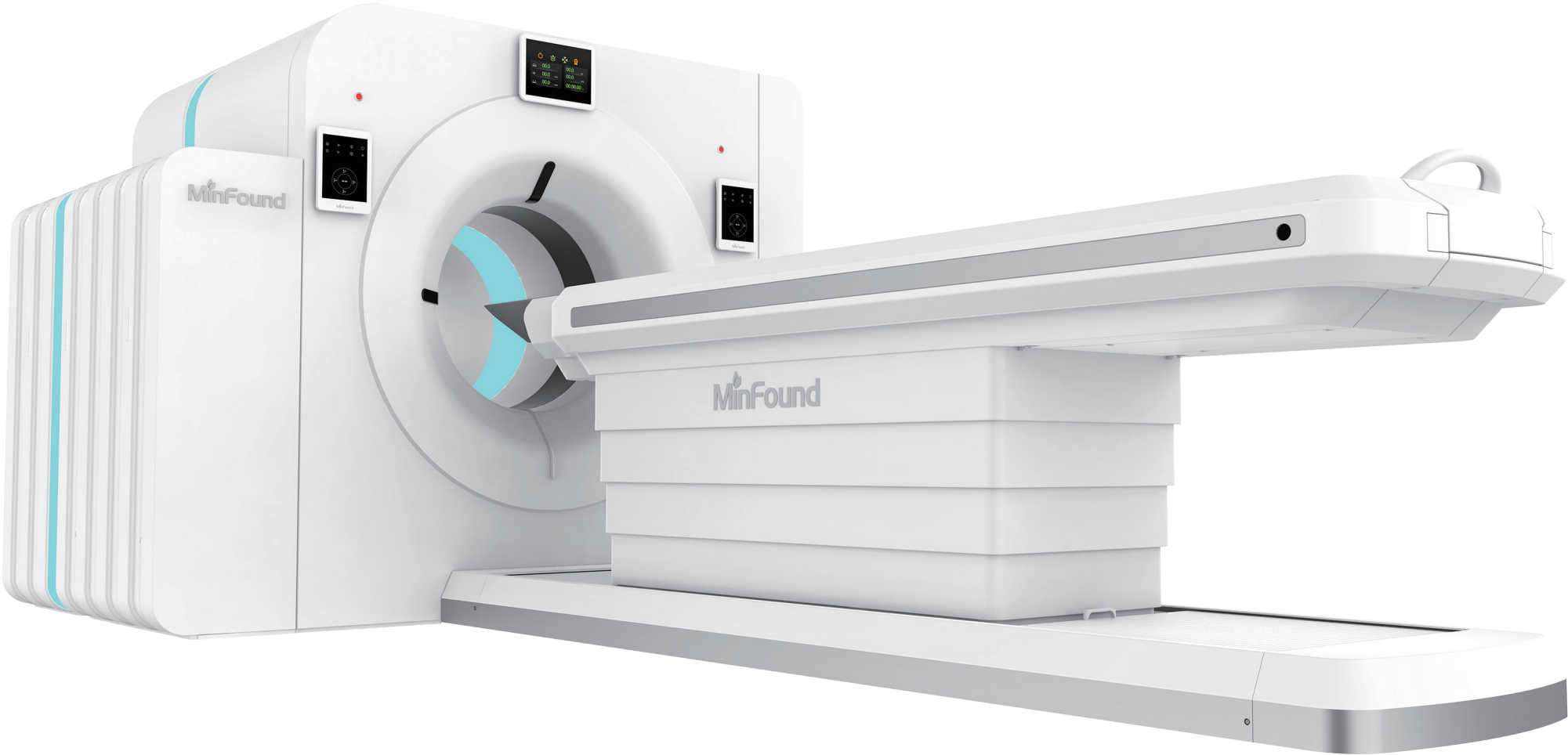
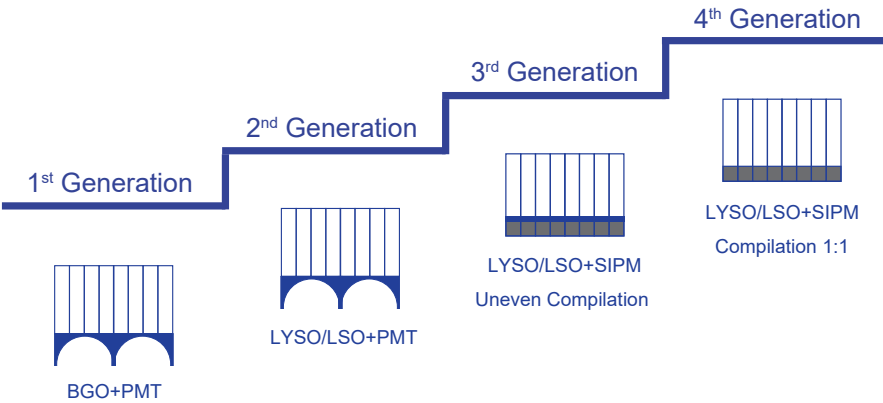
Digital PET Detector

1st generation of PET detector – BGO crystal scintillators

2nd generation of PET detector – LYSO/LSO crystal PMT

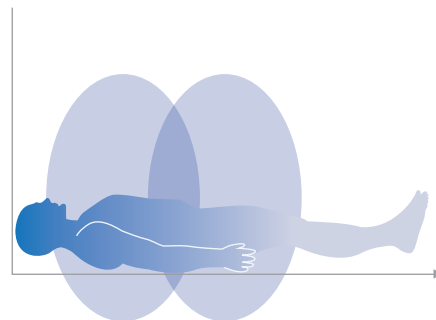
3rd generation of PET detector – LYSO/LSO digital SiPM

4th generation of PET detector – 1:1 compilation



- Ultra-wide Axial FOV
- LYSO+SiPM 1:1 Coupling Mode
- Time Resolution 380PS

Ultra-wide Axial FOV



Axial FOV: up to 403.2mm*



System sensitivity: up to 23.5kcps/Mbq*

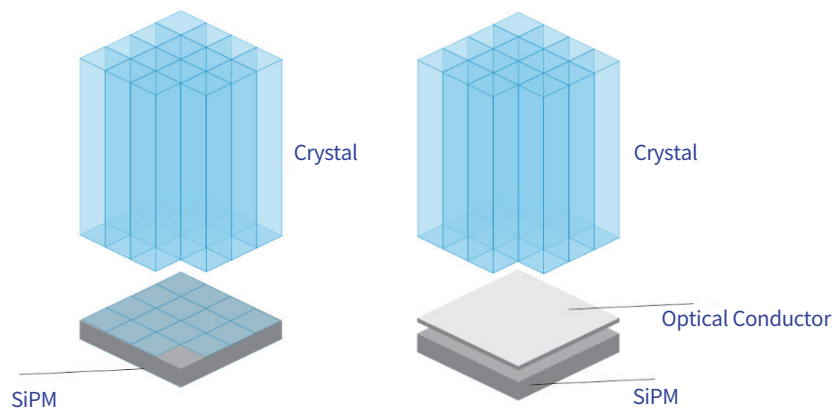


Whole body scan by 2 beds*

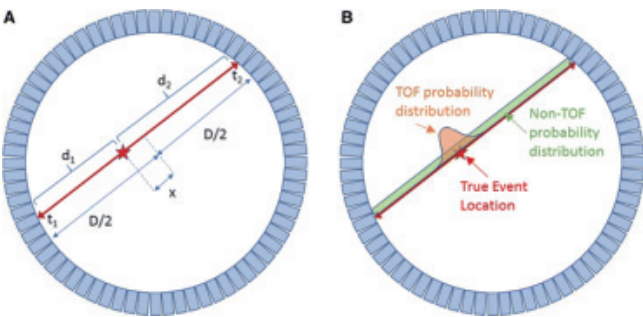
*: Optional configurations

LYSO+SiPM 1:1 Coupling

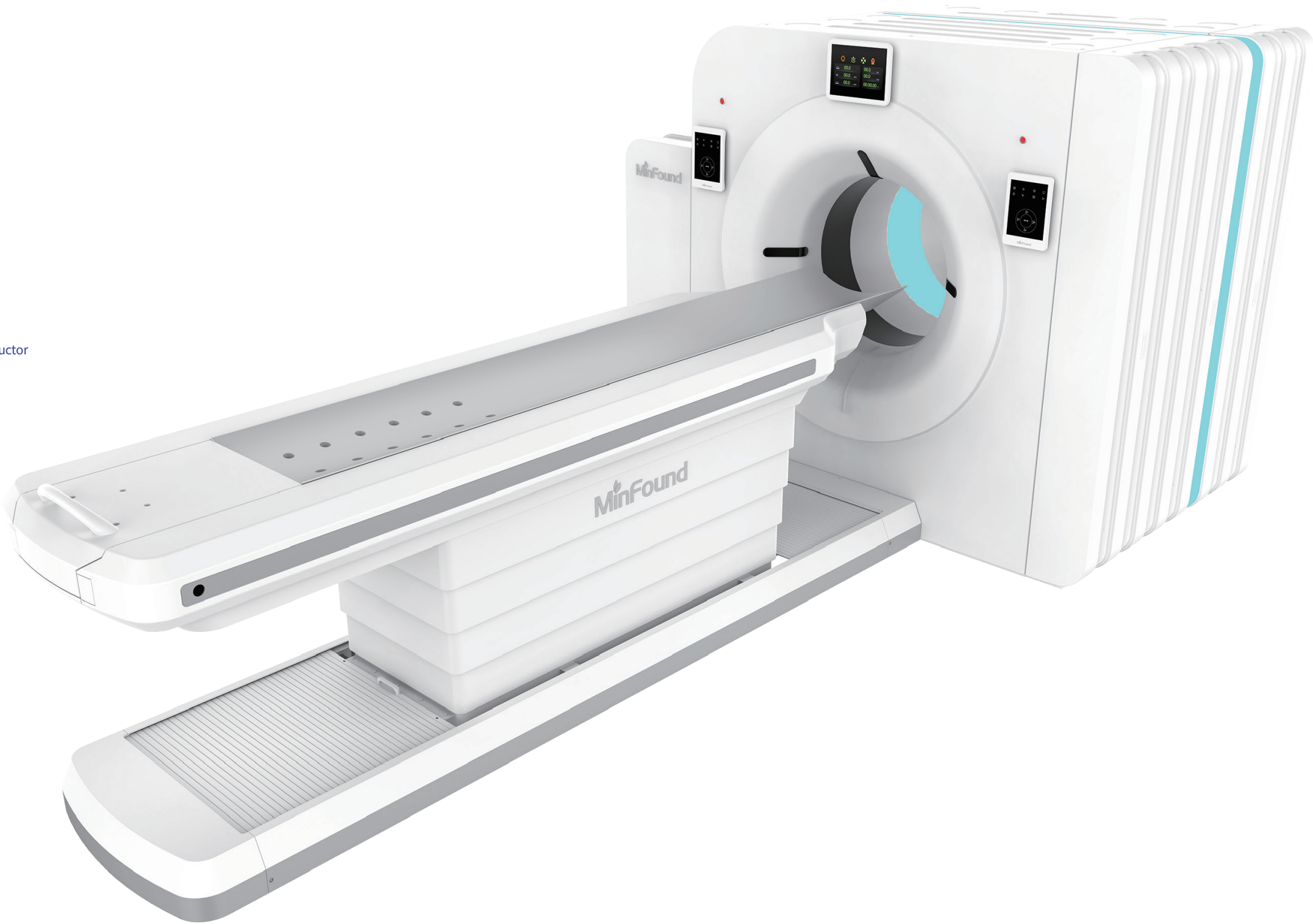
- 1 crystal body corresponding to 1 SiPM chip without photoconductive layer
- Precise location data
High photoelectric conversion efficiency
Better image contrast



TOF Technology



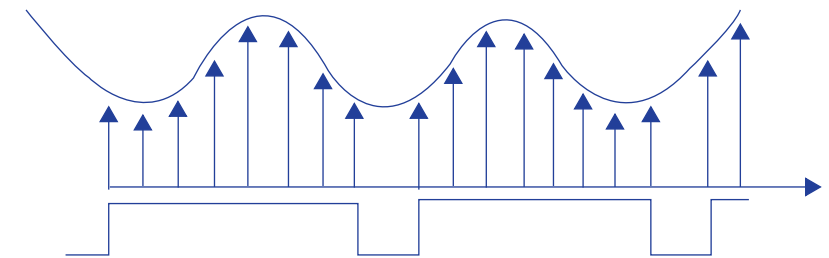
$$(\text{SNR}_{\text{gain}})^2 = \left(\frac{\text{Var}_{\text{nonTOF}}}{\text{Var}_{\text{TOF}}} \right) \cong \alpha^2 \frac{D}{c/2 \Delta t} = \alpha^2 \frac{D}{\Delta x}.$$





Digital Gating

Free breathing without auxillary device



Passive Calibration

Master Program
Data Collection



Data Analysis



Report

Collecting Data

Counting Units, Energy, Time etc.

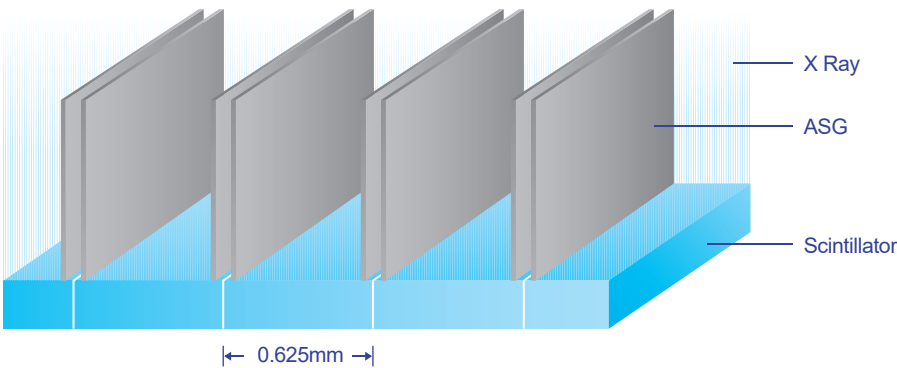
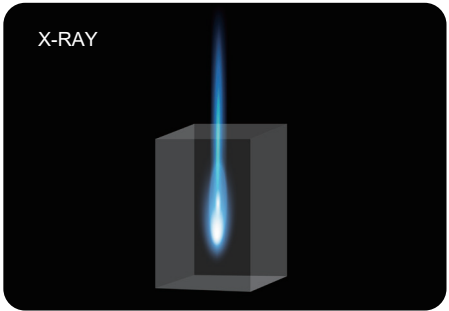
Data Acquisition

Print Out Final Report

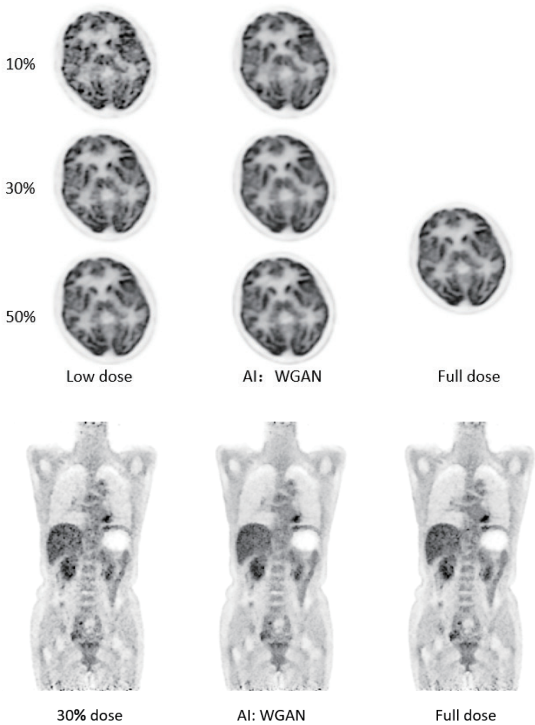
NDI+ Iterative Algorithms

Q-Enhance Technology

Q-Enhance technology is realized by modifying the structure of material to increase the X-ray utilization fundamentally and therefore improves the image quality.



Other than the traditional ASG, each ASG used in ScintCare CT 128 is divided into two discrete grids which will prevent the grids from slanting effectively. The slant grid is usually caused by the temperature shift during operation which will lead to the artifacts eventually.



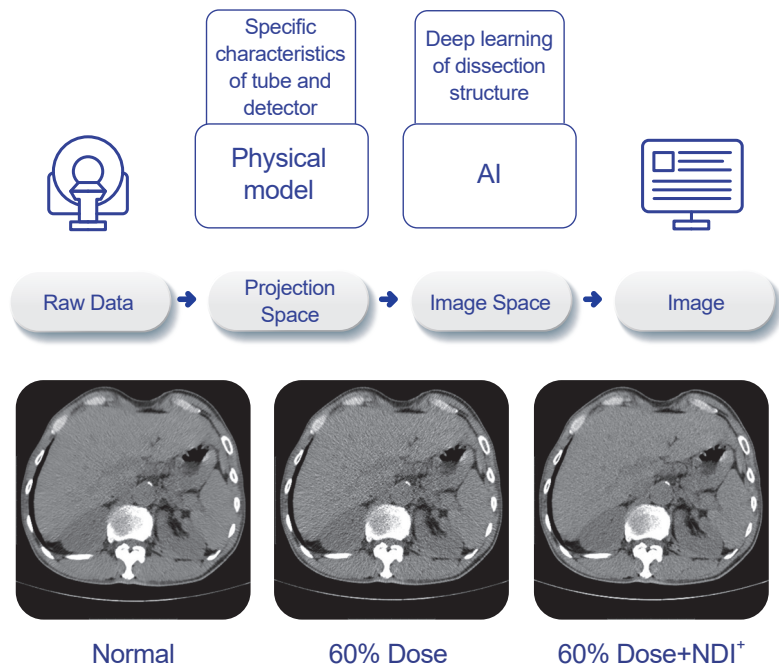
“DosePower” Low-Dose Platform



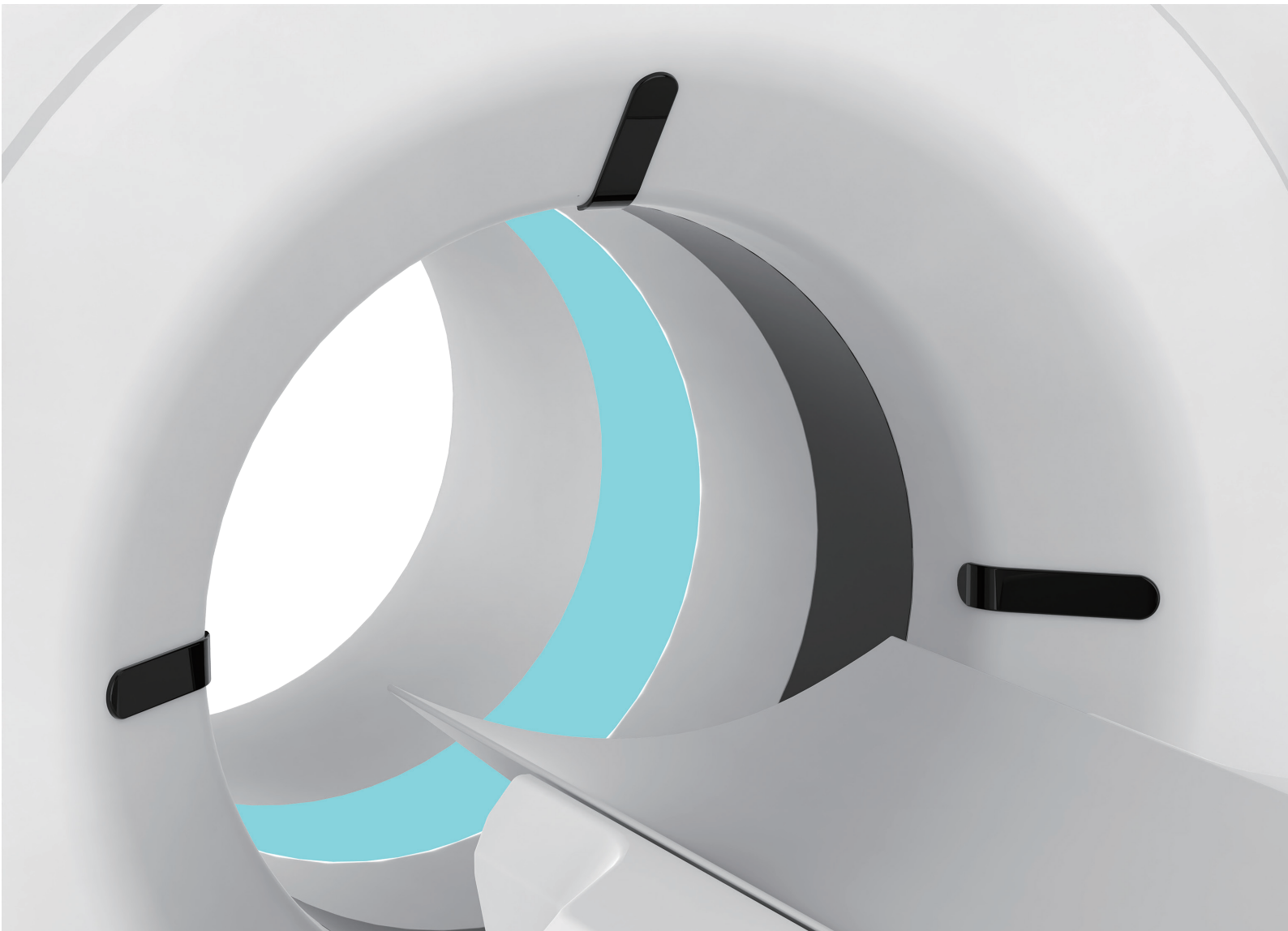
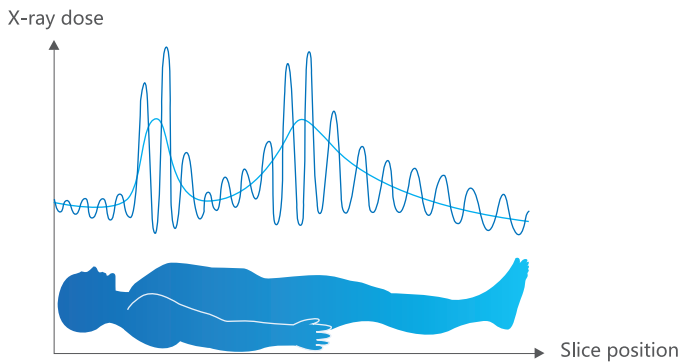
NDI⁺

NanoDose Iteration

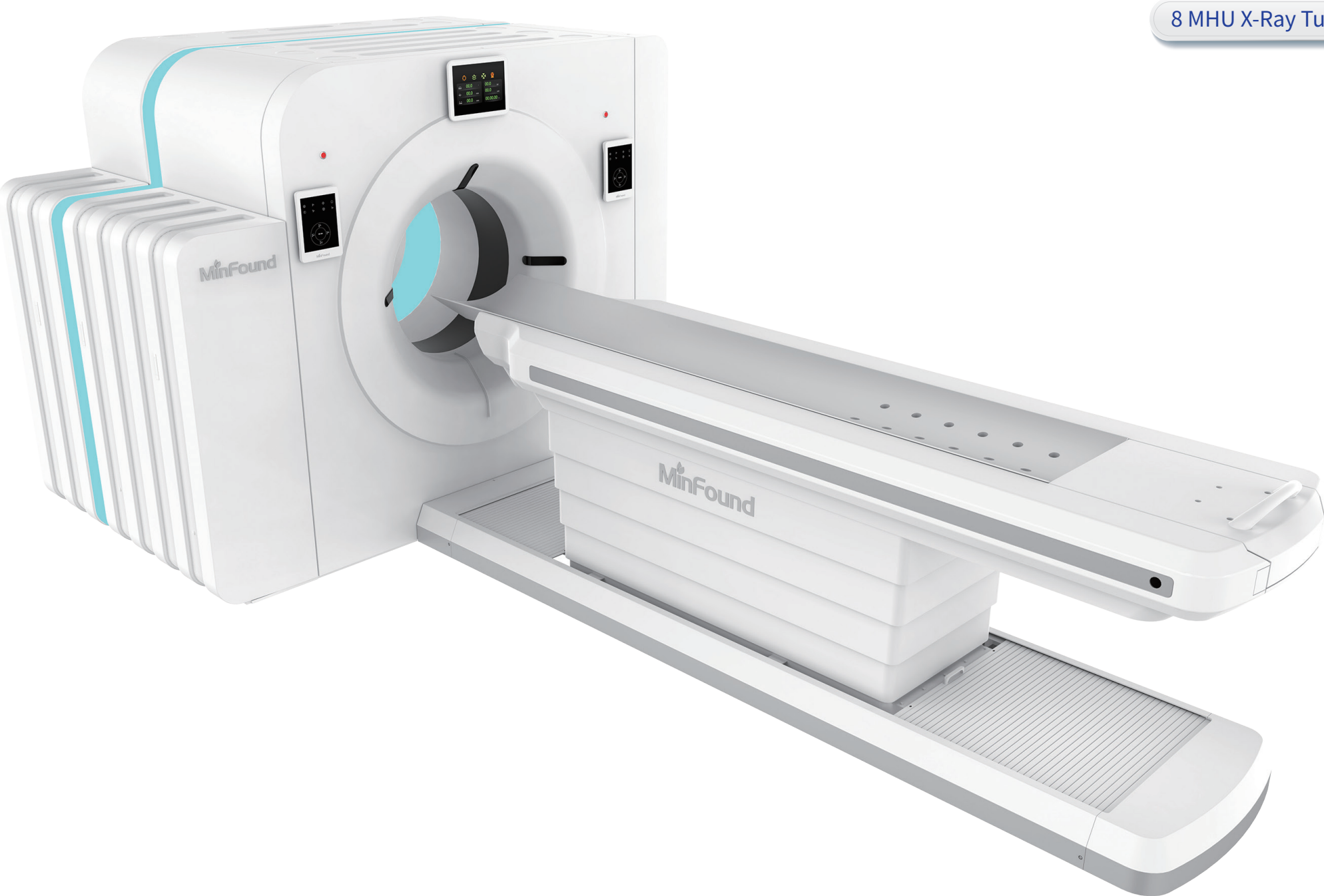
Massive raw data is iterated simultaneously in the projection space and the image space. The projection space iteration process integrates the physical characteristics of the X-tube and the detector, and the image space iteration process is based on the deep learning network of the dissection, creating a low dose platform, which coher- enting with imA enables low-dose scanning while improving SNR.



Intelligent Low Dose - Safe Scanning



Features Advanced 128 Slices CT



8 MHU X-Ray Tube

40mm Detector Coverage

0.39s Rotation Speed

1024x1024 Recon Matrix

0.25 Spatial Resolution



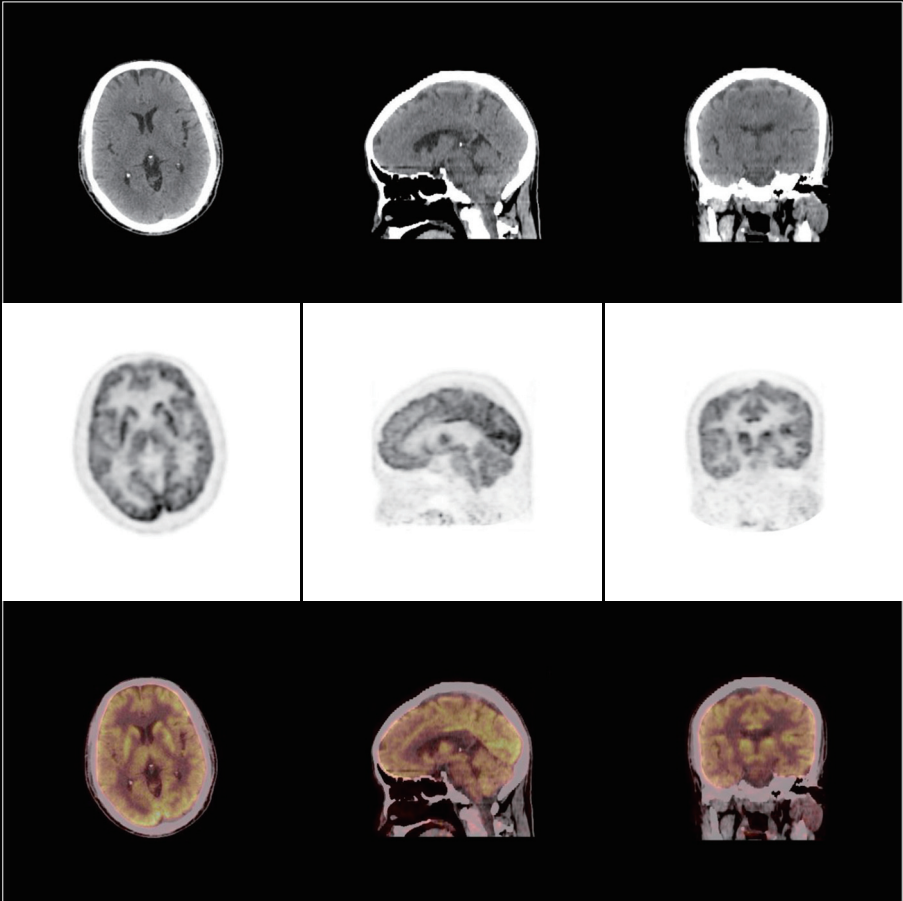
"BrainPower" Intelligent Engine



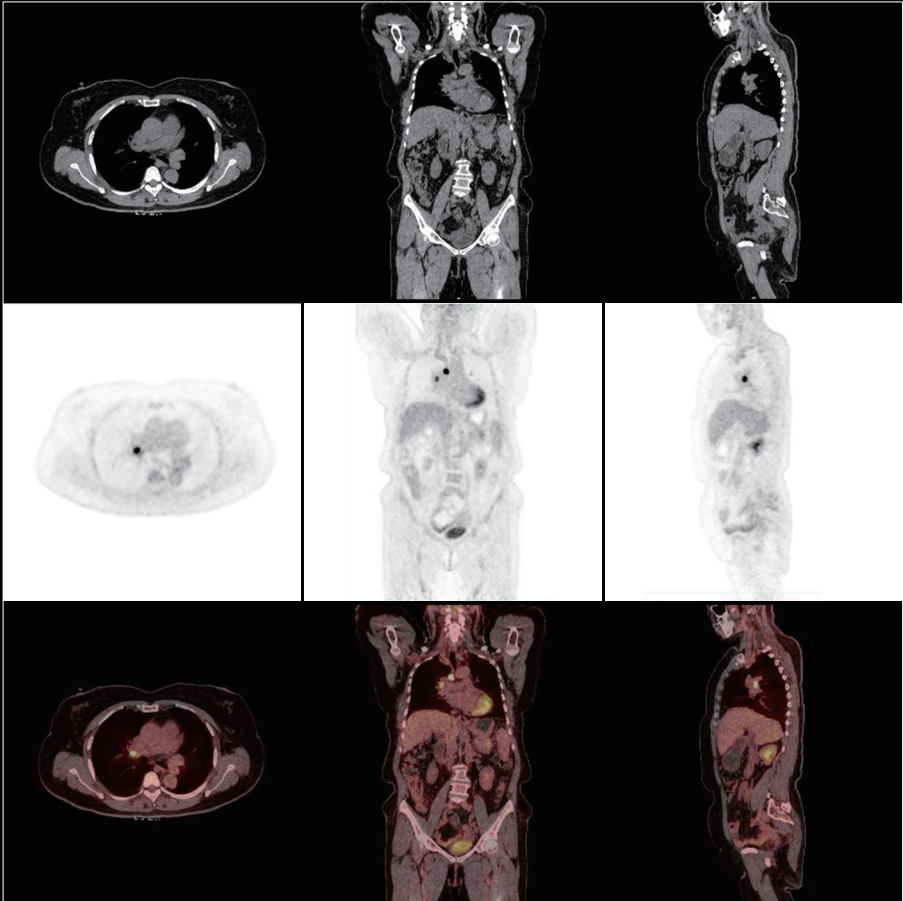
- Intelligent Positioning
- Intelligent FOV Expansion
- Intelligent Metal Artifacts Suppression
- Intelligent Background Noise Suppression
- Intelligent Digital Gating
- Intelligent Passive Calibration
- Intelligent Full-time Correction
- Intelligent Patient Management System
- Intelligent Remote Maintenance

Independent Intellectual Property Rights

PET/CT Clinical Images

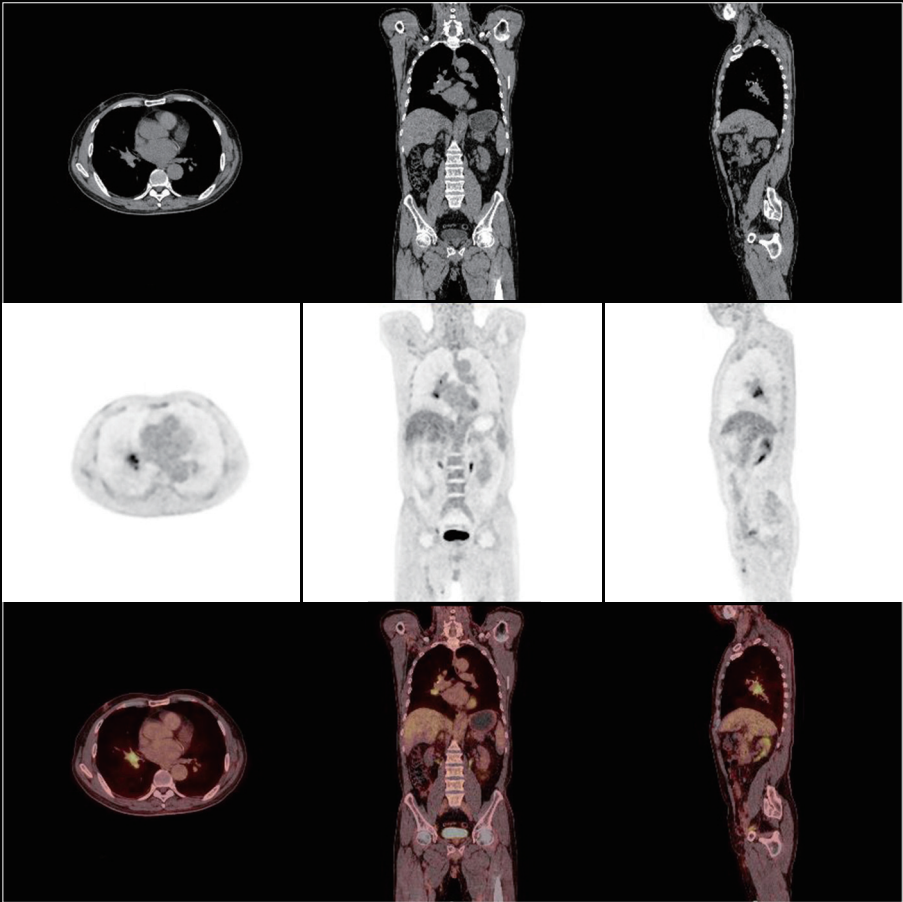


Height : 165cm Weight : 63.6kg Dose : 3.72mCi Scan Time : 104s RNT : 50min

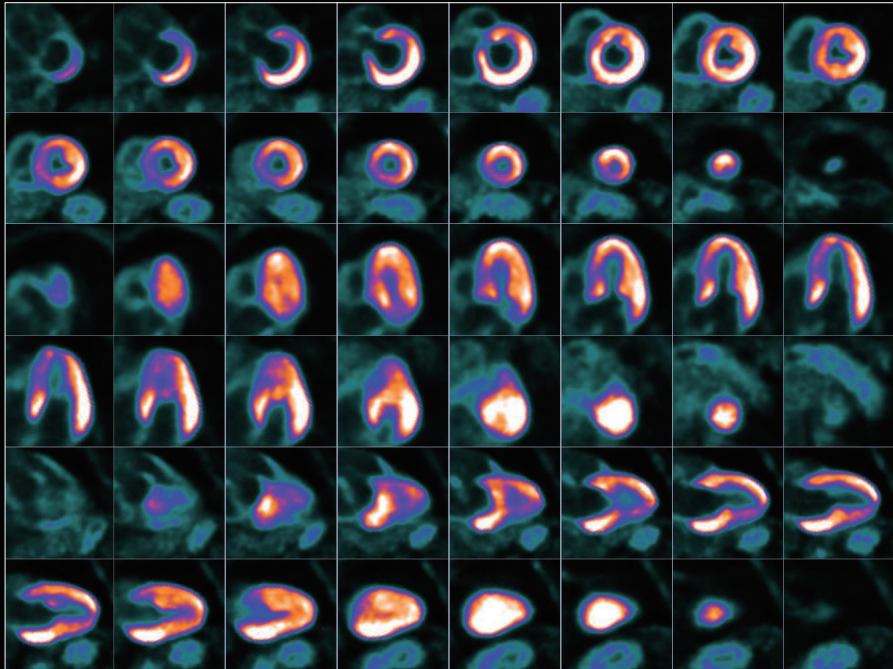


Height : 154.5cm Weight : 75.7kg Dose : 4.73mCi Scan Time : 150s RNT : 50min

PET/CT Clinical Images



Height : 172cm Weight : 71.9kg Dose : 4.71mCi Scan Time : 97s RNT : 50min

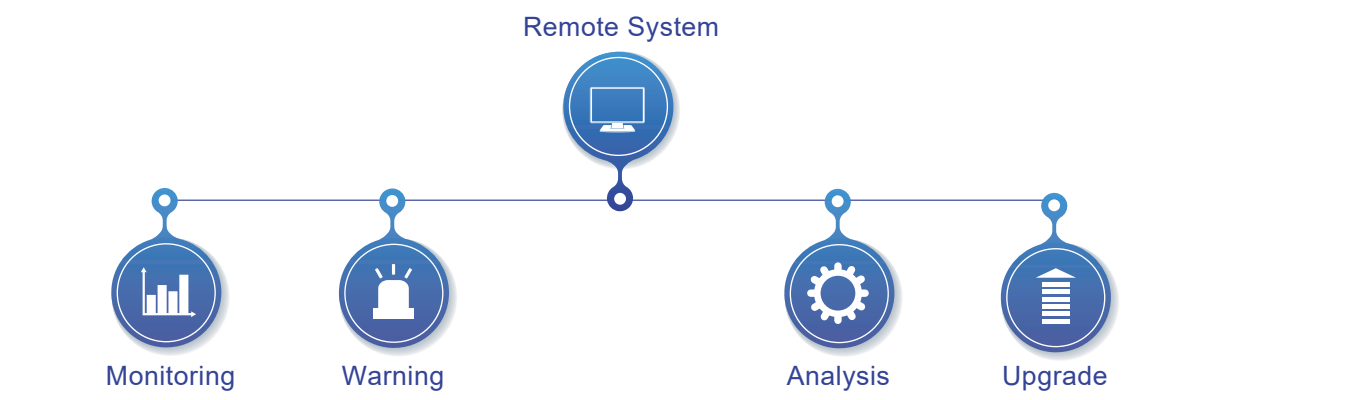


Height : 160.5cm Weight : 67.3kg Dose : 4.35mCi Scan Time : 82s RNT : 50min

Global Intelligence After-service Creates a Comfortable Experience

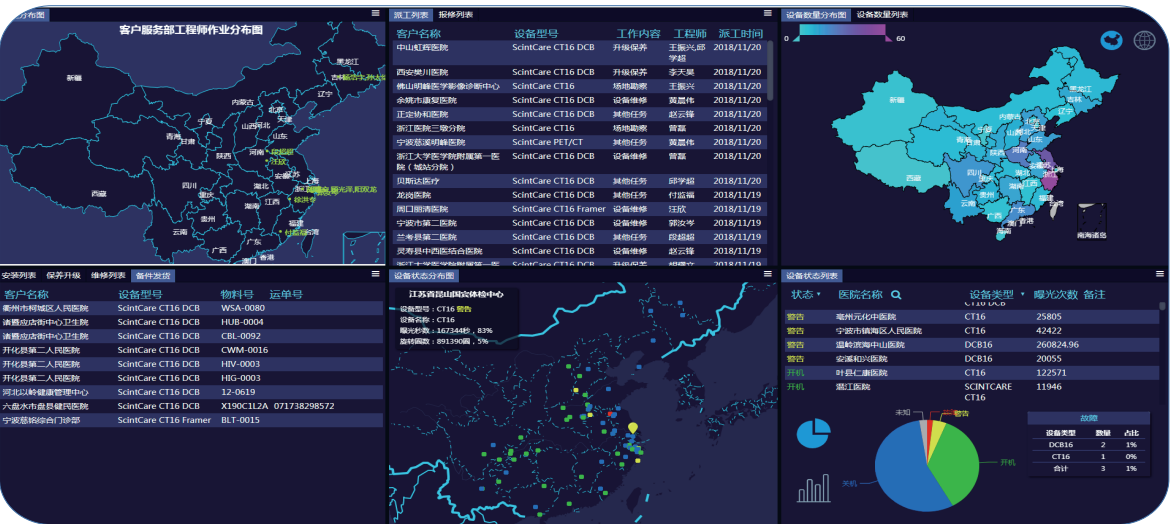
We are always by your side providing a thoughtful comprehensive service network.

Automatic Malfunction Warning



Proactive Intelligent Remotemaintenance System

Display equipment status,engineer assignment,and logistics of spare parts dynamically and real-time.



Service Layout



Free Training



Response within 1 Hour



On-site during 4-72 Hours



24 Hours Online



Hotline 400 035 8898