



ANATOM S400

Premium & all-purpose 128-slice CT powered by AI



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CT has entered a new era where traditional CT is no longer sufficient to meet the clinical challenges of providing information not only from tissue anatomy and morphology, but also to explore new areas of care by obtaining functional analysis results.

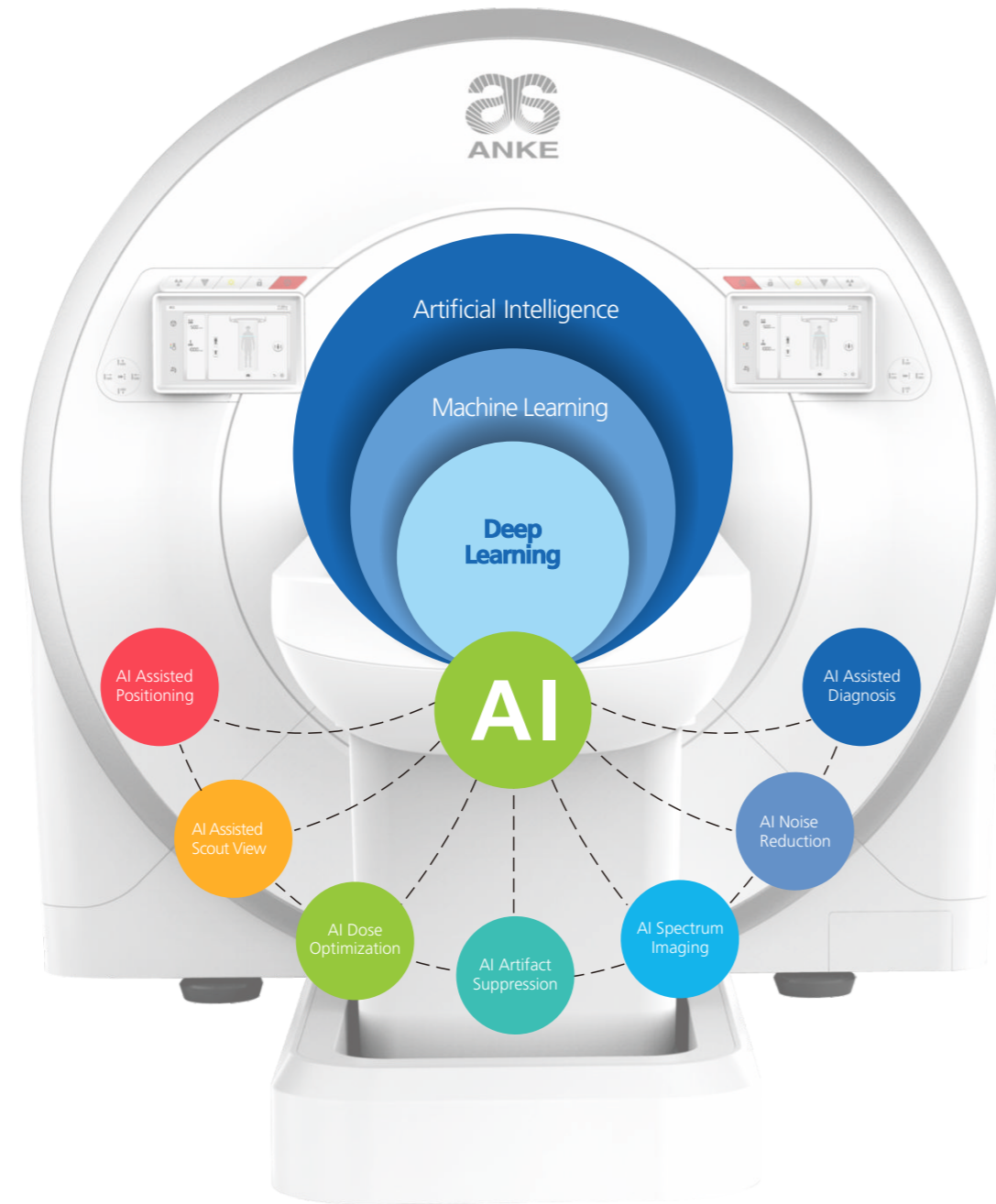
ANATOM 400 is the convergency of our passion and vision to deliver extraordinary technologies, from routine CT to spectral CT, that enable clinical exploration and enhance patient outcomes.

Advanced clinical applications such as spectral imaging can now be considered routine with ANATOM S400. In order to provide the best in diagnostic efficiency, ANATOM S400 delivers higher spatial resolution and lower radiation dose for every body part imaging. Its advanced applications easy routine studies in terms of low radiation dose, spectral imaging and workflow with a proven system that can help facilities expand service lines, such as cardiac, pediatrics and ER.

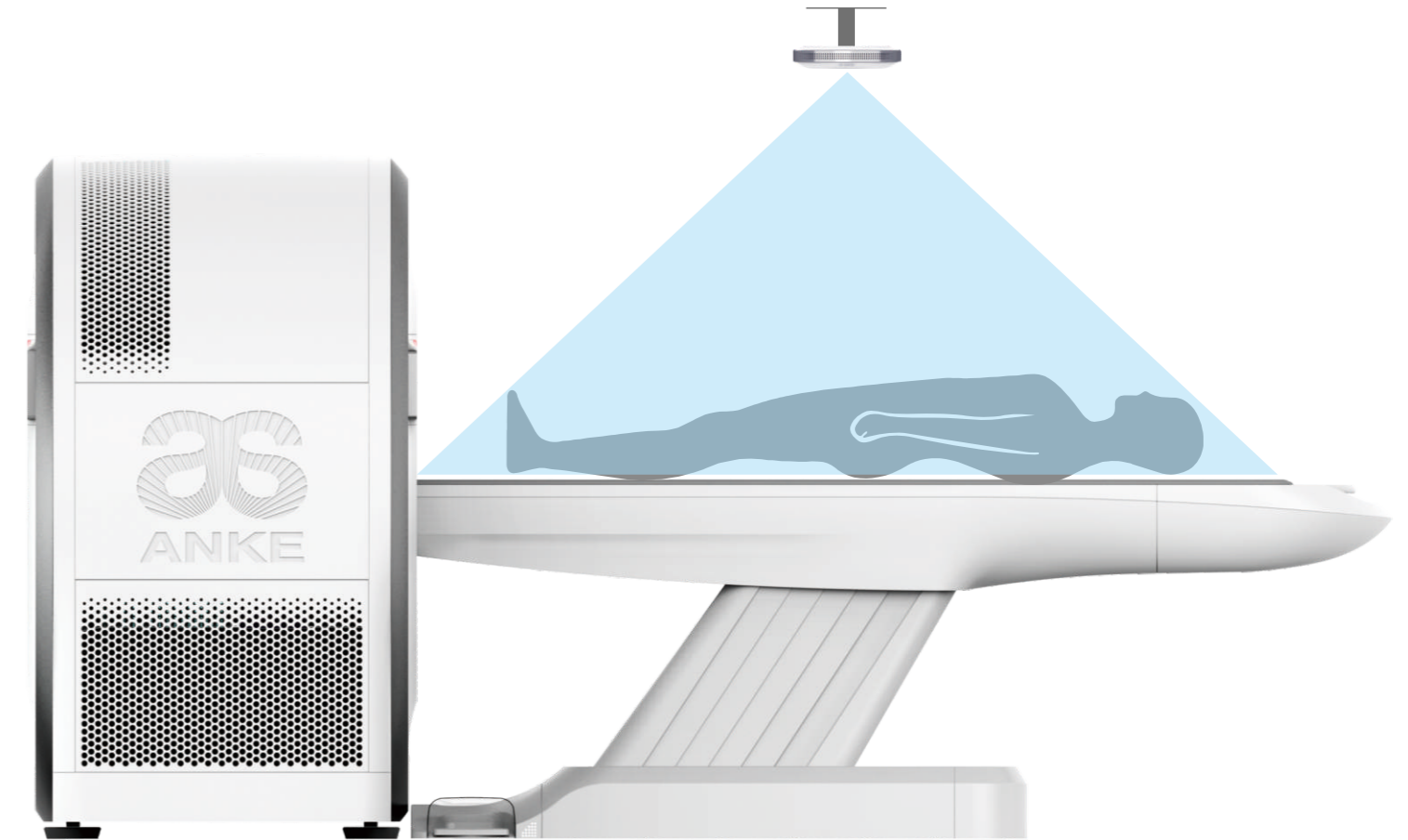
ANATOM 400 is a brand new premium CT system with the reliability, excellent image quality and advanced capabilities to facilitate the New challenges. It was designed from the inside out with a state-of-the-art imaging chain and technologies featuring advanced hardware performances (New generation OptiWave™ detector, tailored premium HV generator and X-ray tube), Admir^{3D} iterative reconstruction, Artist AI assisted with deep learning and whole process AI powered of daily scan which can remarkably free operator's hands, etc.

Whole Workflow AI Powered

ANATOM S400 uses a full-flow artificial intelligence platform from patient positioning, scanning, dose control, artefact suppression, spectral imaging, image noise reduction and image post-processing to diagnostic assistance, making "artificial intelligence technology" a real assistant in the whole workflow, improving examination efficiency and diagnostic accuracy comprehensively.

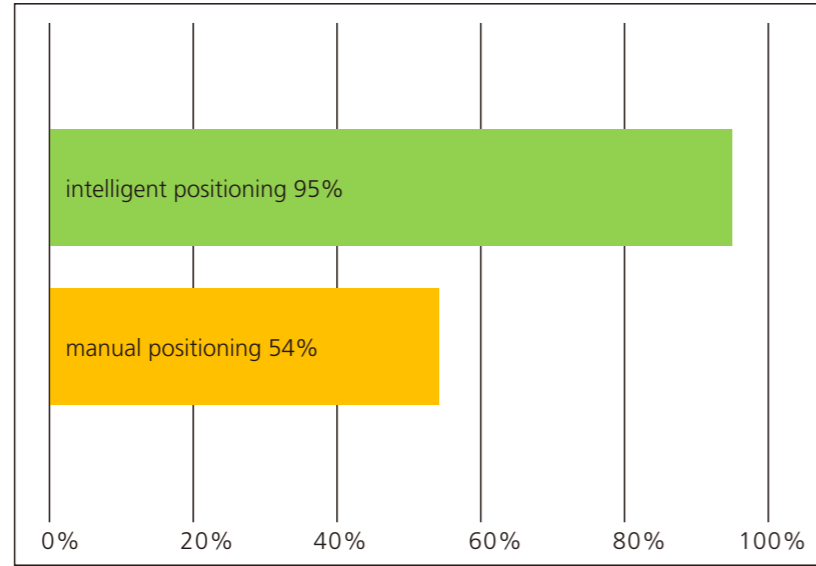


Intelligent Isocentric Positioning





center recognition



intelligent positioning advantage

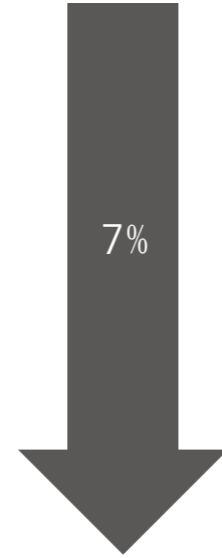


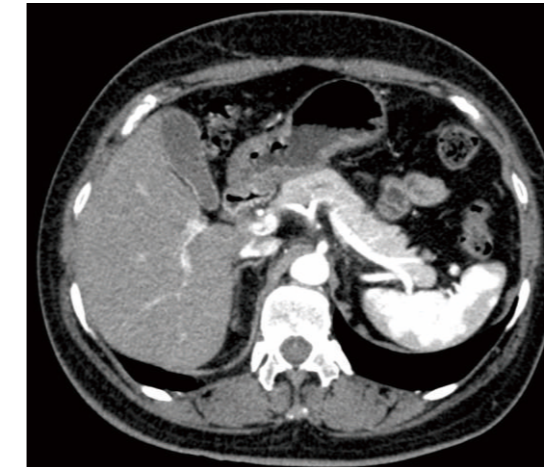
image noise

With the help of a deep 3D visual perception system-AccuPositioning, deep learning is used to give the device the cognitive ability and behaviour to enable the system to automatically identify the isocentric position of the proposed scanning site to achieve precise and intelligent patient positioning.

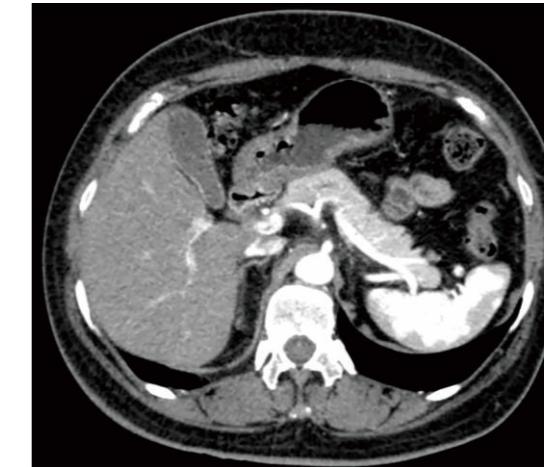
More importantly, the AccuPositioning system also helps the technician to standardise operations and mitigate the increase in radiation dose to the patient's surface due to inaccurate positioning, while further reducing image noise, reducing artefacts and improving image quality.

High-fidelity Image

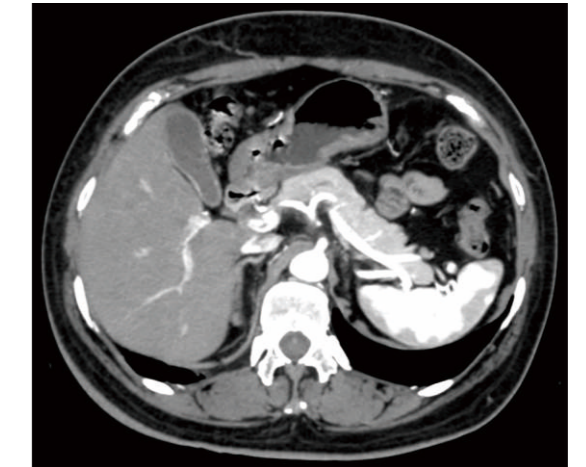
ANATOM S400 uses the Artist high-fidelity image noise reduction algorithm based on deep learning technology to optimise and process low-dose images. Compared to other algorithms, Artist enables a more thorough separation of noise from the image signal and ensures that no image detail information is lost during processing, resulting in high resolution clinical images at ultra-low doses.



FBP



Admir^{3D}



Artist

AI-accelerated Spectral Imaging

Data acquisition using flexible voltage-switching scanning, AI-accelerated iterative reconstruction algorithms and energy spectrum reconstruction techniques to obtain spectral images.

Spectral CT CTA

Virtual monochromatic spectral MAR

Gout Analysis

VNC (virtual non-contrast imaging)

Spectral Attenuation Curve

Material Density (MD) Image

Monochromatic Image

Effective Z

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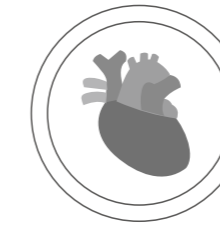


Comprehensive CCTA Solution

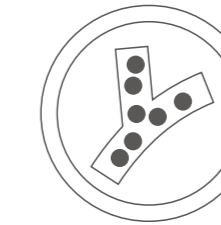
Perfect for patients with high heart rates and complex rhythms, enabling CCTA imaging at ultra-low doses and low contrast dosages



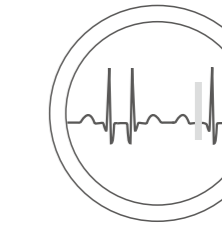
AccuPitch coronary adaptive pitch



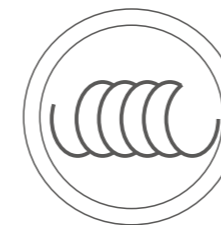
AccuGating intelligent gating CCTA imaging



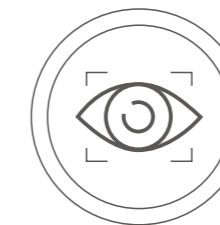
Aheart intelligent low-dose CCTA image



AccuCardio prospective scan for arrhythmia



Large pitch HD CCTA imaging



AccuTracking intelligent coronary artery tracking

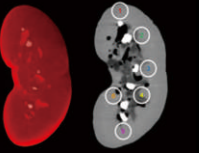
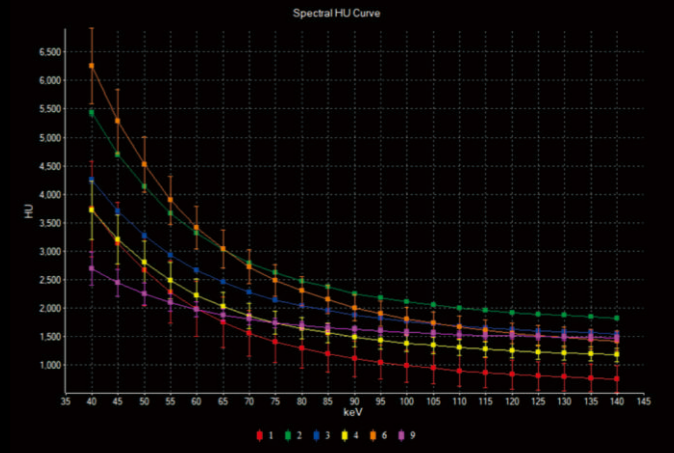
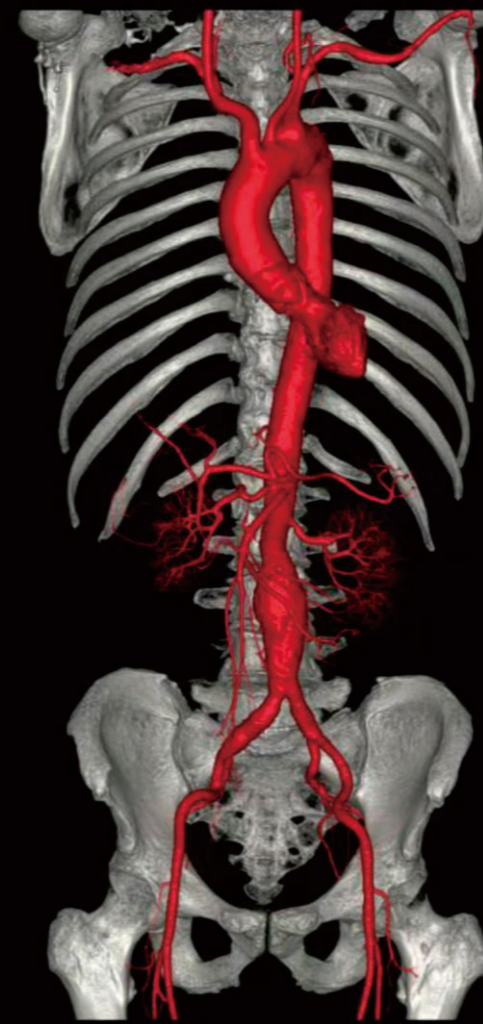
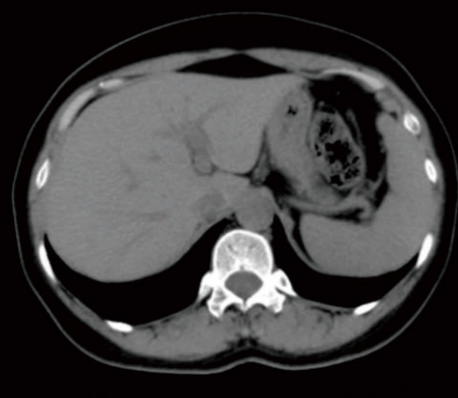
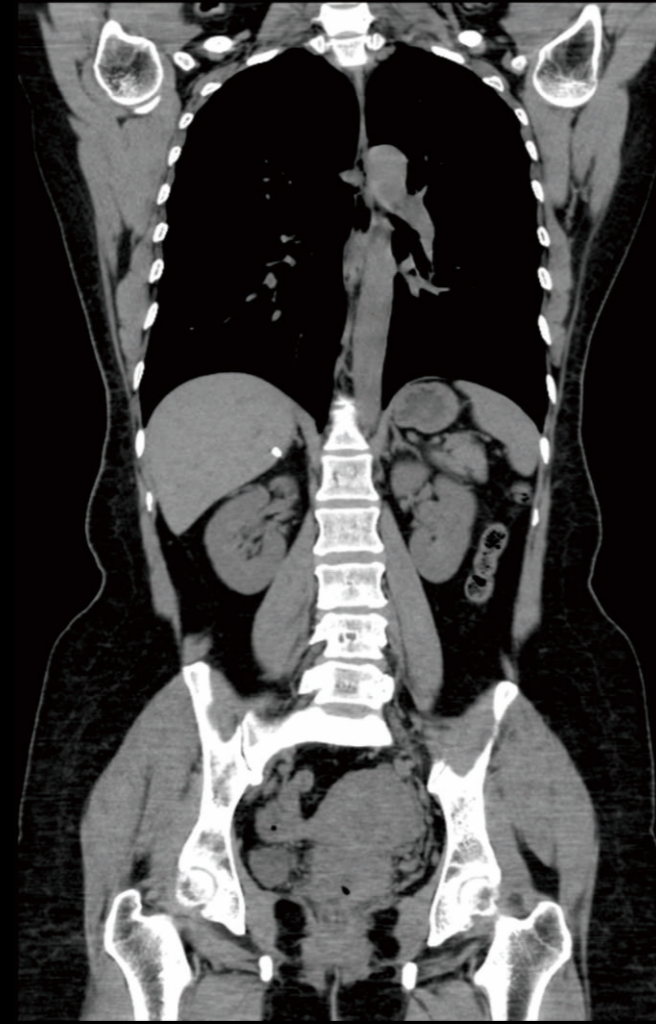
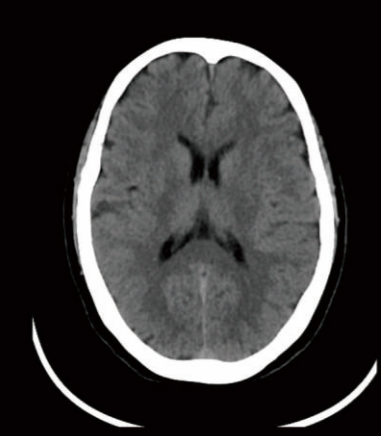


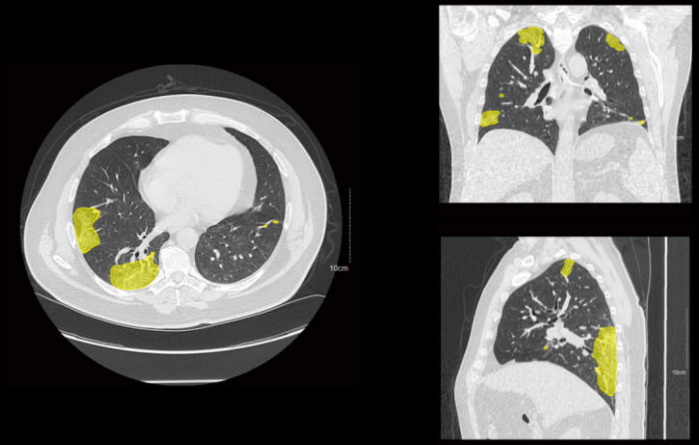
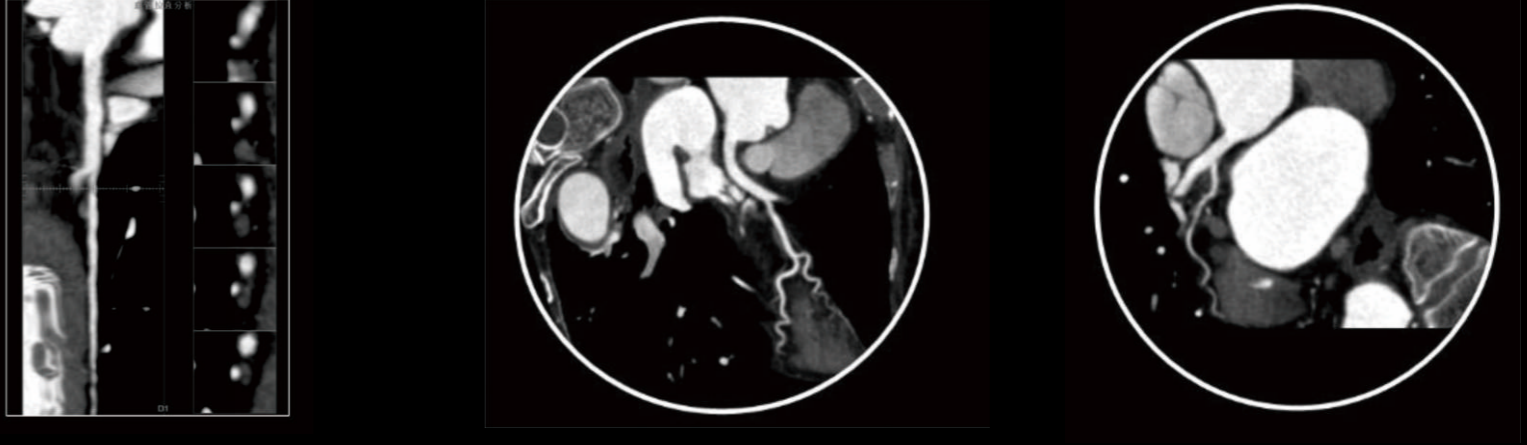
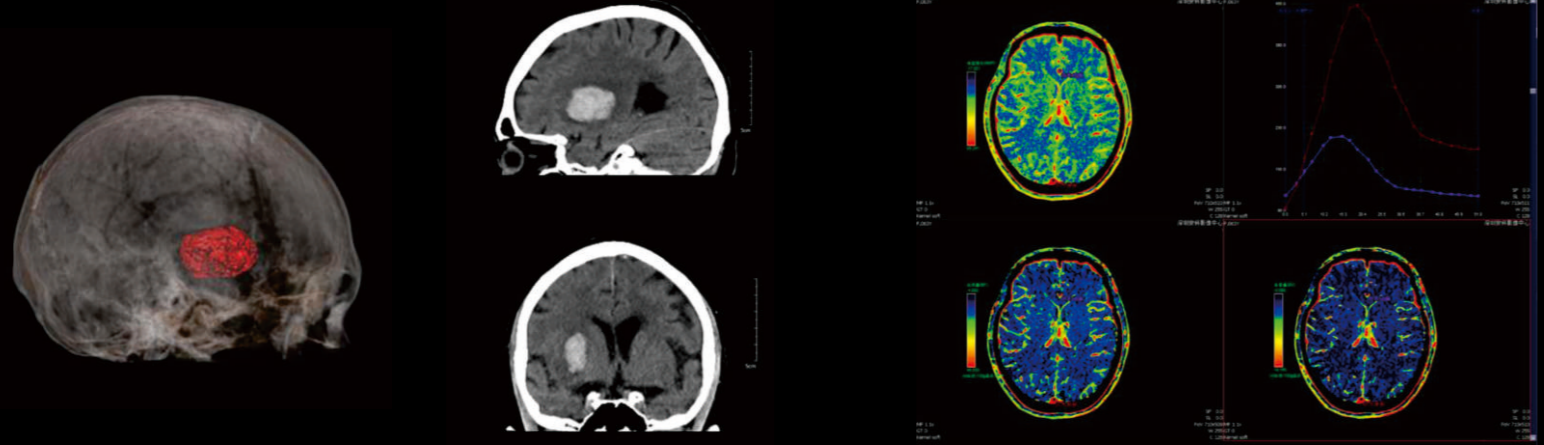
Parameters self-adaptive CCTA imaging



Prospective ECG gating scan

Clinical Images





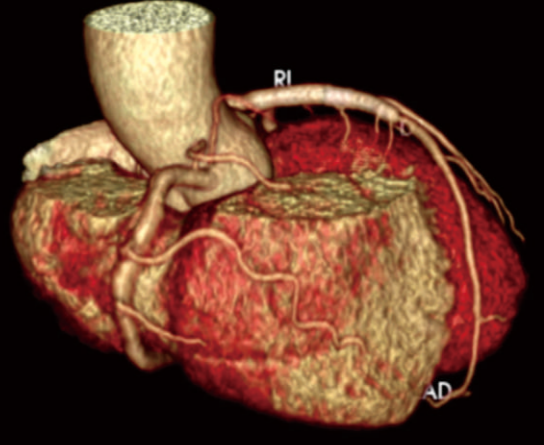
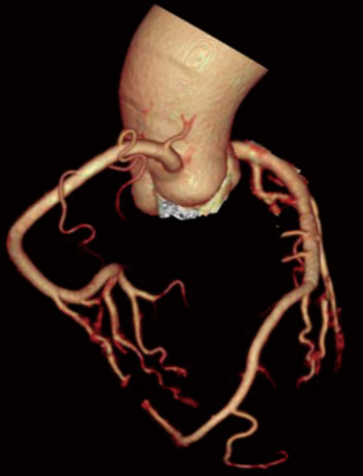
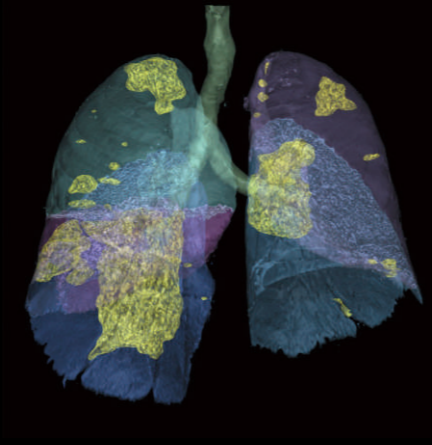
Statistical Distribution

	Total	Left Lung	Right Lung
Mean	763.23	761.84	758.83
Stdev	210.55	204.85	216.35
Volume	4715.38	2042.45	2672.92
Centroid	4573.87	1989.36	2584.51
TensorTrace	141.50	53.89	88.41
TissueIntensity	140.79	53.26	87.53
DensityRange	0.24	0.24	0.24

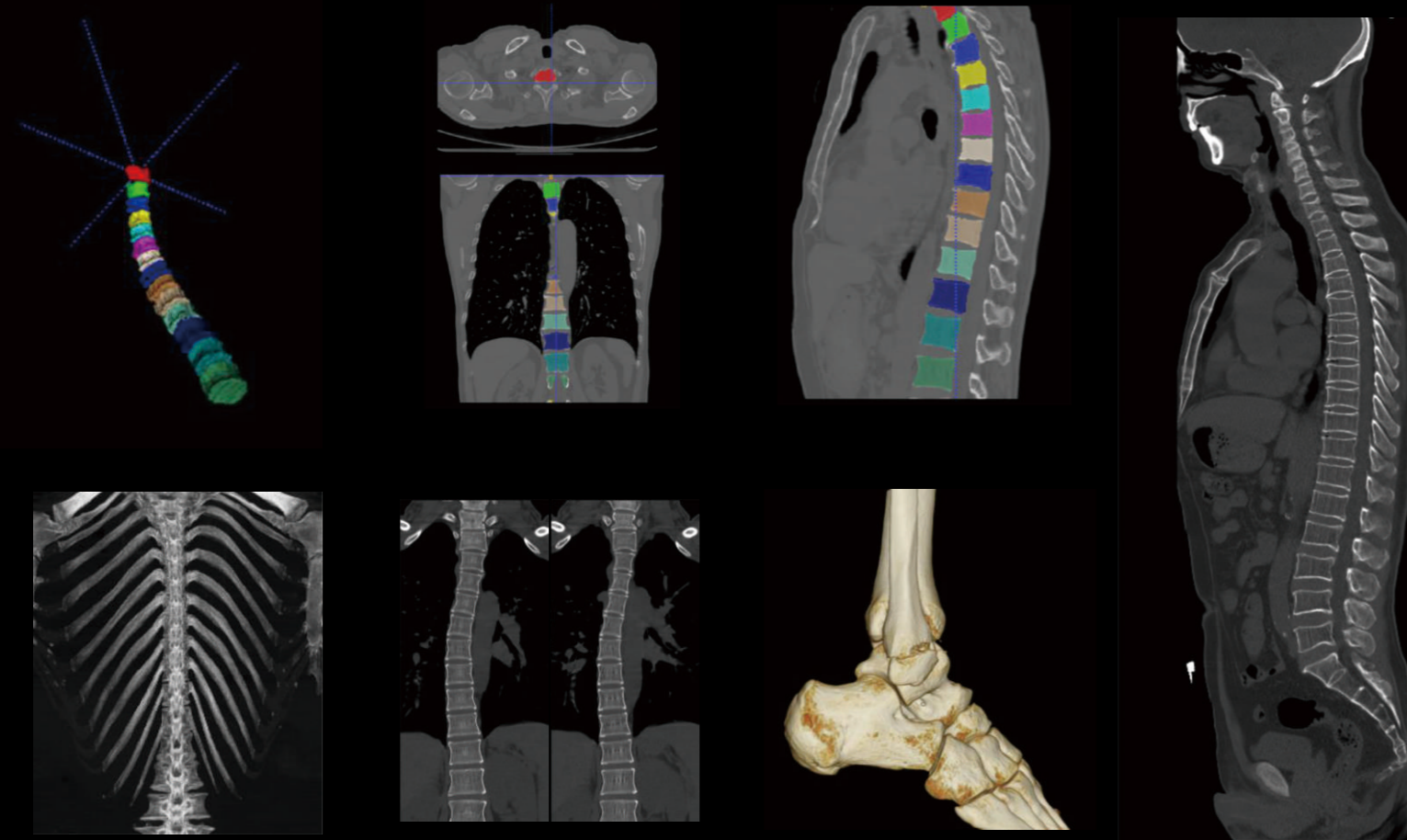
Lung Volume Parameters

	Total	Left Lung	Right Lung
Permeability Volume	217.97	86.81	231.17
Permeability Ratio	6.74%	4.25%	8.05%

ID	ROI Description	Volume	Max Value	Position
1	[208.2, 208.2, 222.0]	362.62	444.3	Right Lung
2	[208.2, 208.2, 222.0]	362.62	444.3	Left Lung
3	[207.8, 207.4, 203.2]	26.84	436.8	Right Lung
4	[207.4, 203.6, 193.6]	38.37	436.8	Right Lung
5	[208.4, 207.8, 212.0]	36.44	444.3	Left Lung
6	[208.4, 208.4, 193.6]	24.38	436.8	Left Lung
7	[208.4, 193.6, 143.0]	4.03	441.8	Right Lung
8	[208.4, 193.6, 143.0]	3.78	441.7	Right Lung
9	[208.4, 193.6, 143.0]	3.82	441.8	Right Lung
10	[207.8, 203.6, 193.6]	3.81	436.2	Left Lung
11	[207.4, 193.6, 143.0]	3.88	446.2	Right Lung
12	[208.2, 208.2, 222.0]	3.85	443.5	Right Lung
13	[207.8, 203.6, 193.6]	3.45	433.5	Left Lung



From the moment you choose ANKE, our all-round cooperation begins. Once you are in ANKE's global customer service system, you will experience a complete service solution that is all you expect, all you want and all you need.



* Note: not all the functions described above are standard configuration. Please contact the responsible person of ANKE in your region for specific configuration.

