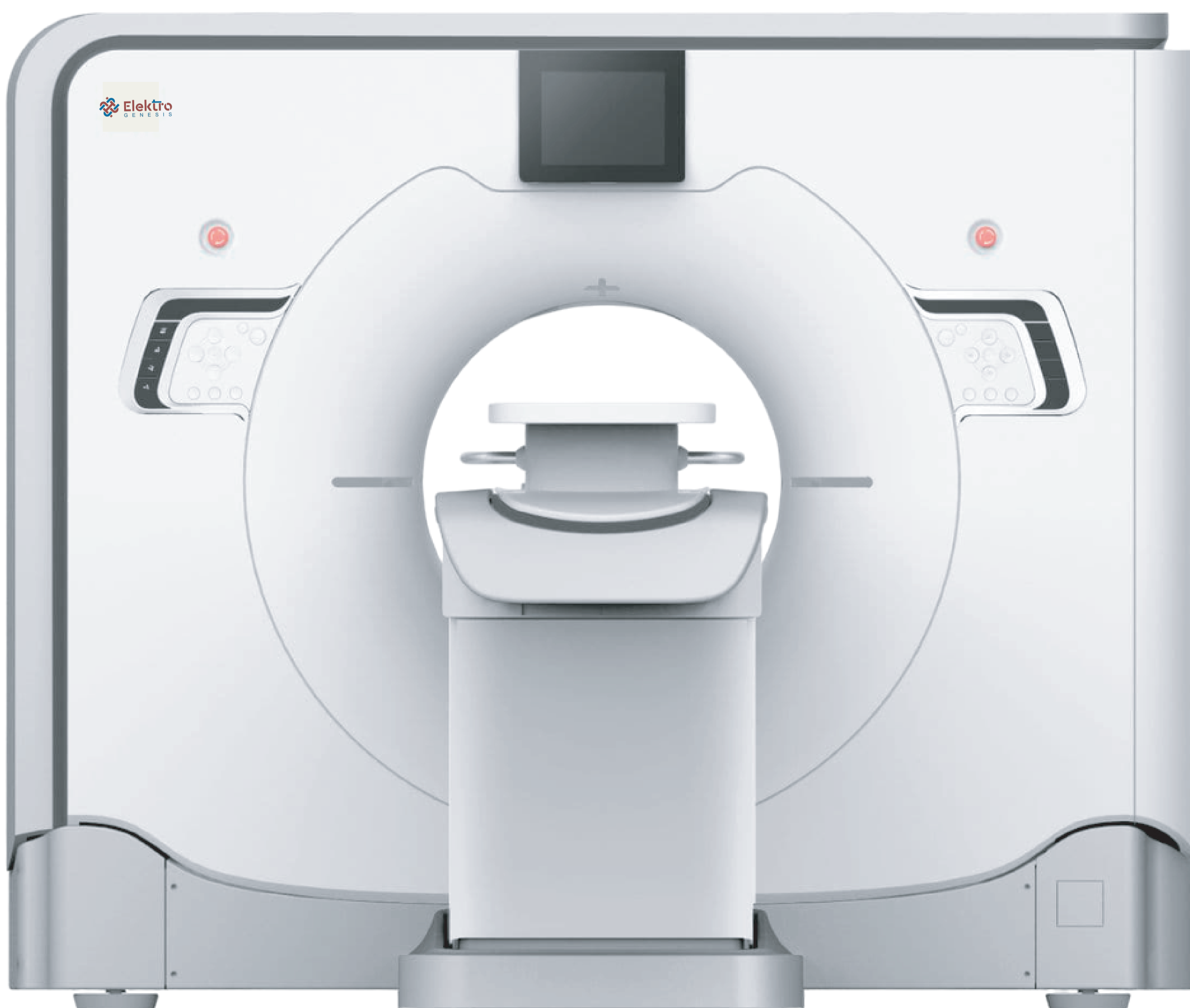


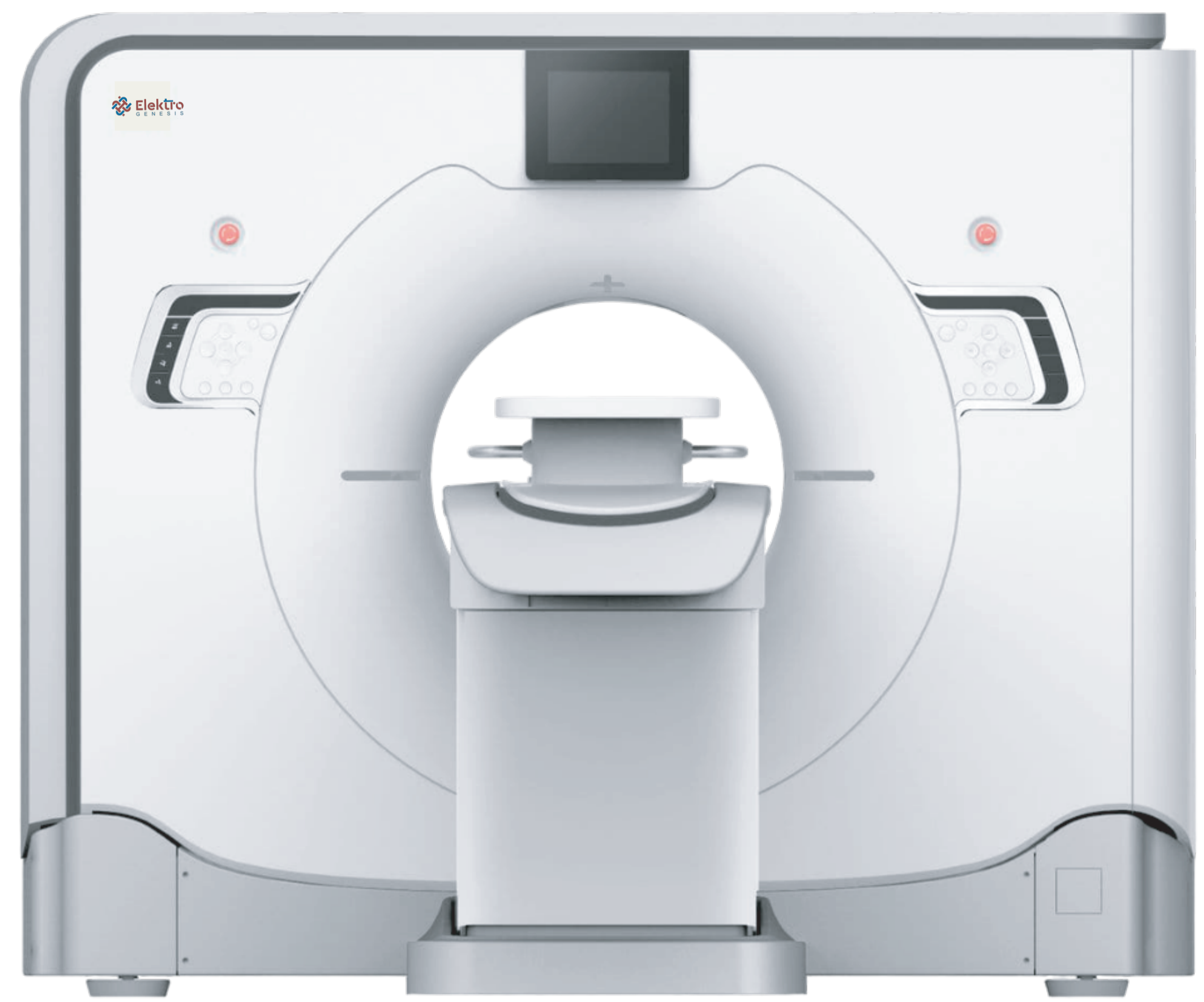
**Elektro**  
GENESIS

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# ***ELEGANTOM PRECISION 128-SLICE CT SCANNER***

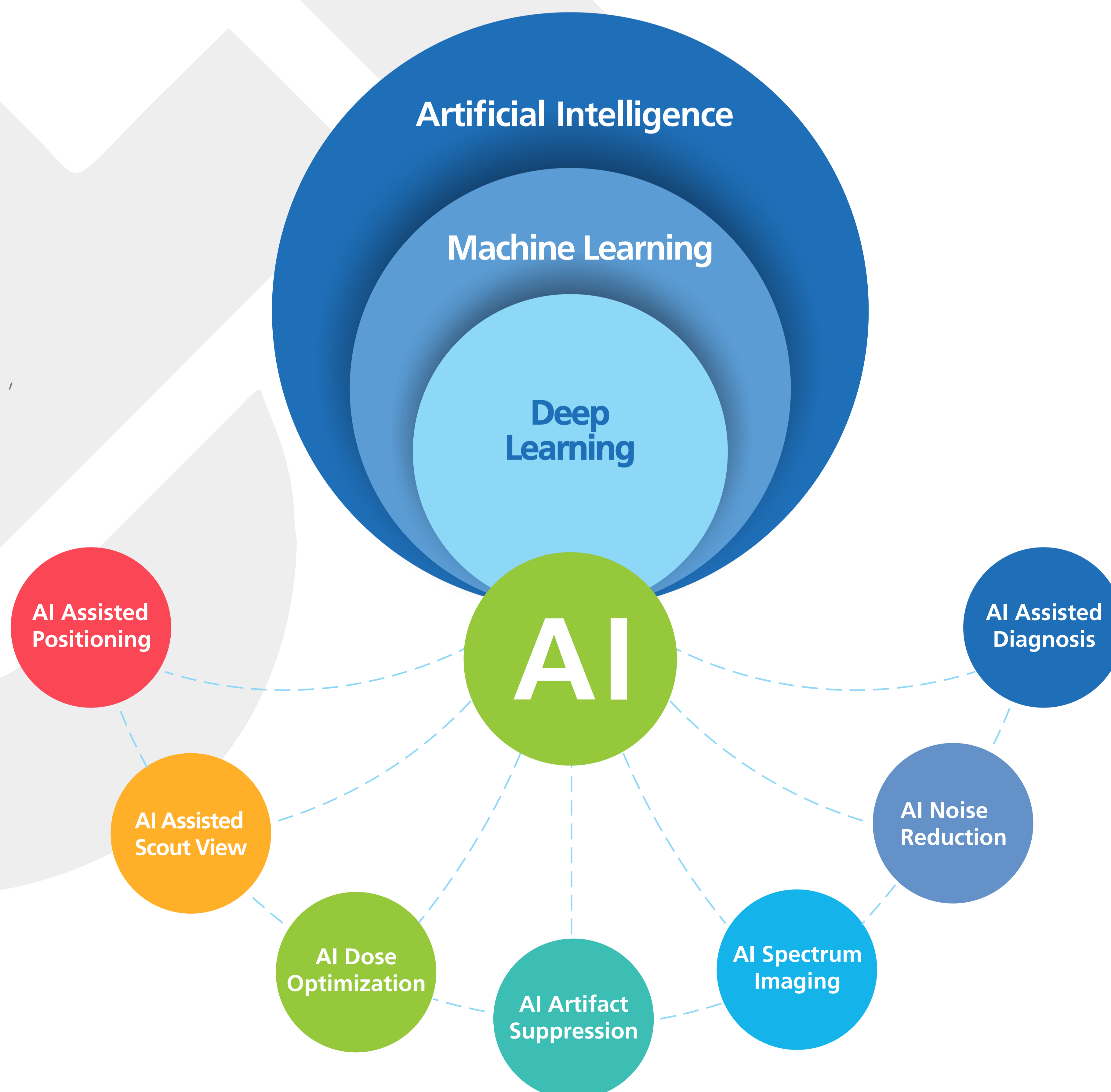


ELEGNTOM Precision, is our new coming member of our CT family, which is a high-end and AI fully powered intelligent 128-slice CT scanner. It features comprehensive clinical applications from routine to cardiac imaging, especially advanced spectrum imaging which allows you conduct high-level applications and delivers you more confidence in diagnoses compared with traditional CT scanner



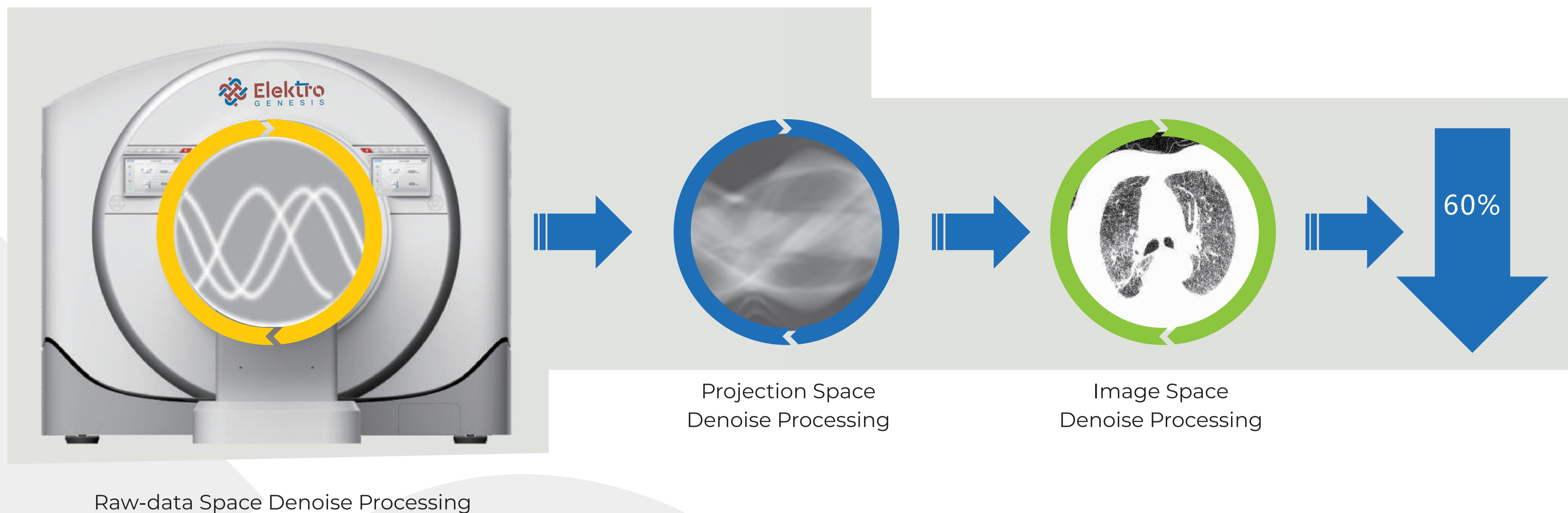
## AI POWERED INTELLIGENT CT SCANNER

ELEGNTOM Precision is an intelligent AI CT scanner. AI has been applied in the whole process of scanning, from it's beginning of patient Positioning, Scout View, Dose Optimization, Artifact Suppression, Spectrum Imaging, Image Noise Reduction and to the end of Diagnosis.



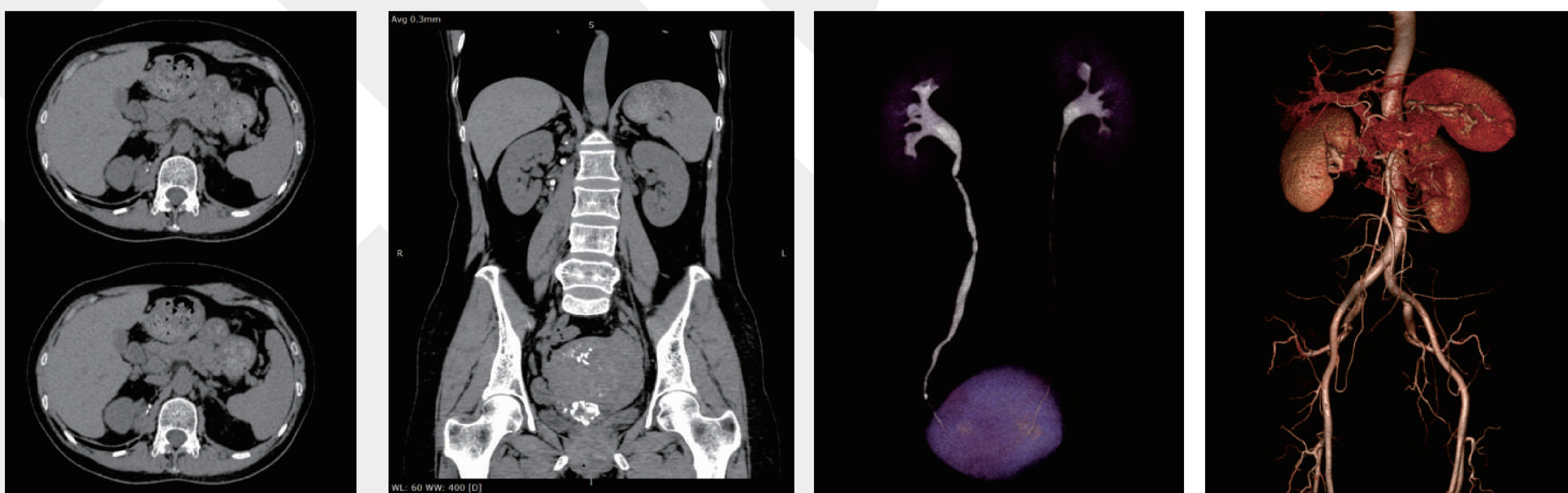
## ULTRA-LOW DOSE CT SCANNER

Admir<sup>3D</sup> Iterative Reconstruction Technology Admir<sup>3D</sup> iteration technology is based on the original data space, the projection space after correction and image space



## ASR-AI SUPER RESOLUTION

ASR is extremely high resolution reconstruction algorithm for obtaining superb image quality, which is accelerated by AI. It allows you make very clear detailed visibility of tiny structure with high resolution and contrast

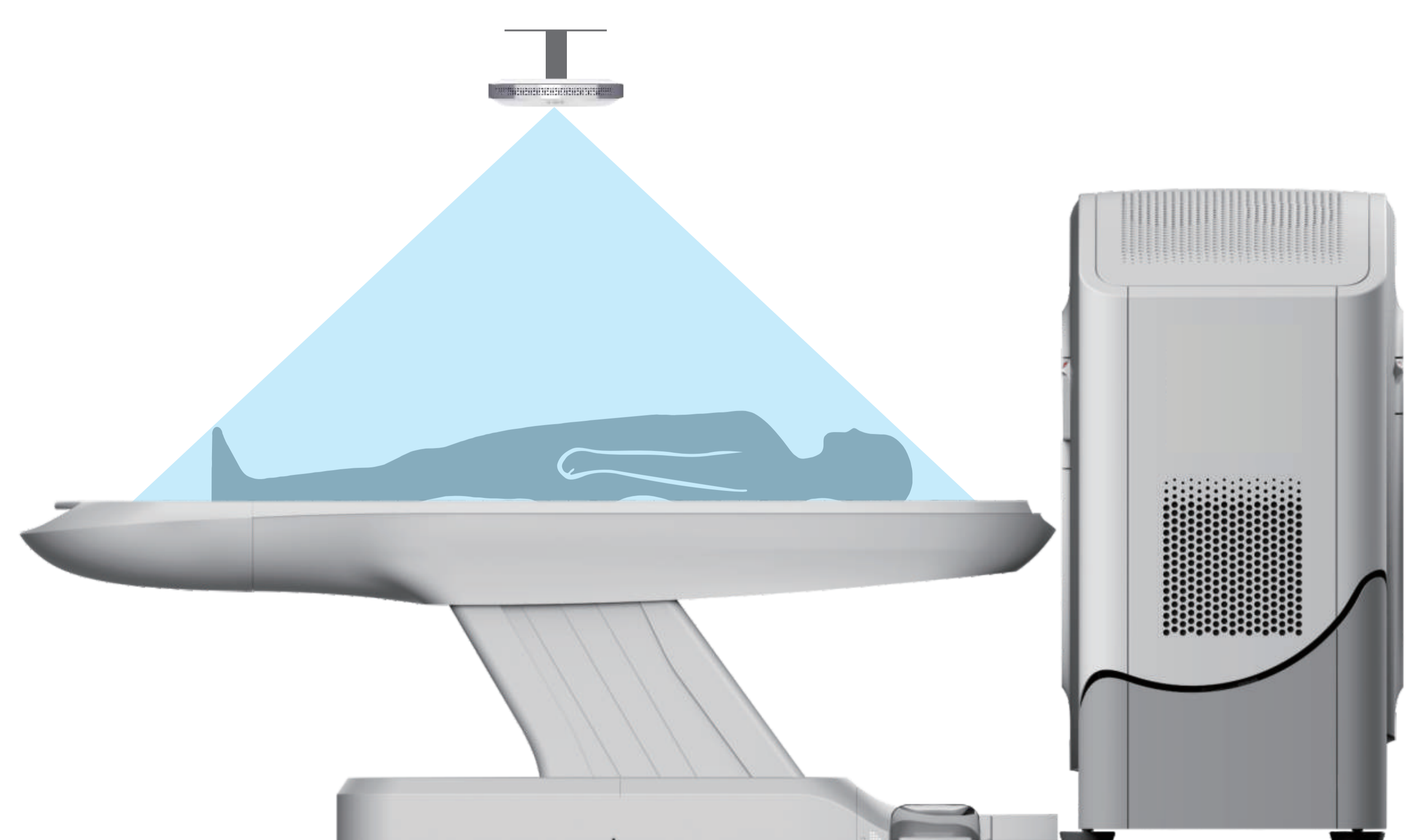


120 kVp, Adose, 0.5 sec./rotation, Pitch=1.375, Collimation Width=40 mm, Slice 0.3125 mm, Scan Time=5.6 sec.

## ELKPOSITIONING-INTELLIGENT SKY-EYE POSITIONING SYSTEM BASED ON AI

Applying AI deep learning algorithm, sky-eye visual perception intelligently recognize the 3D center of the scan range and automatically aligns it with the isocenter.

With one click, ELKPositioning uses all of this information to automatically center your patient for a completely hands-free positioning experience.

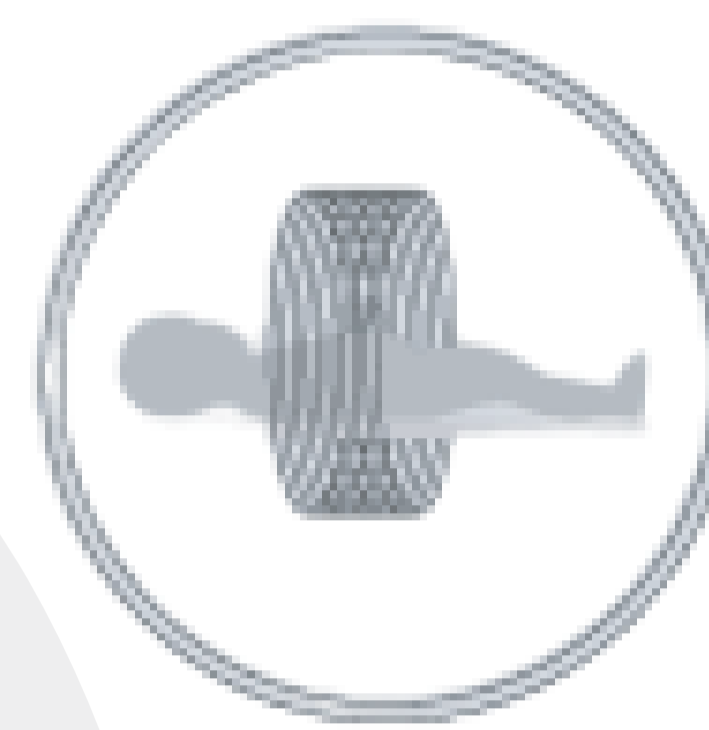


## AI ARTIFACT SUPPRESSION

Gantry's built-in camera-Eagle Eye allows real-time monitoring of the patient's status, together with the AI-based ELKClear function, and enables intelligent real time image artifact correction.



## ELKDOSE-COMPREHENSIVE LOW DOSE IMAGING



Pediatric Scan Protocol



Individual Dose Monitoring



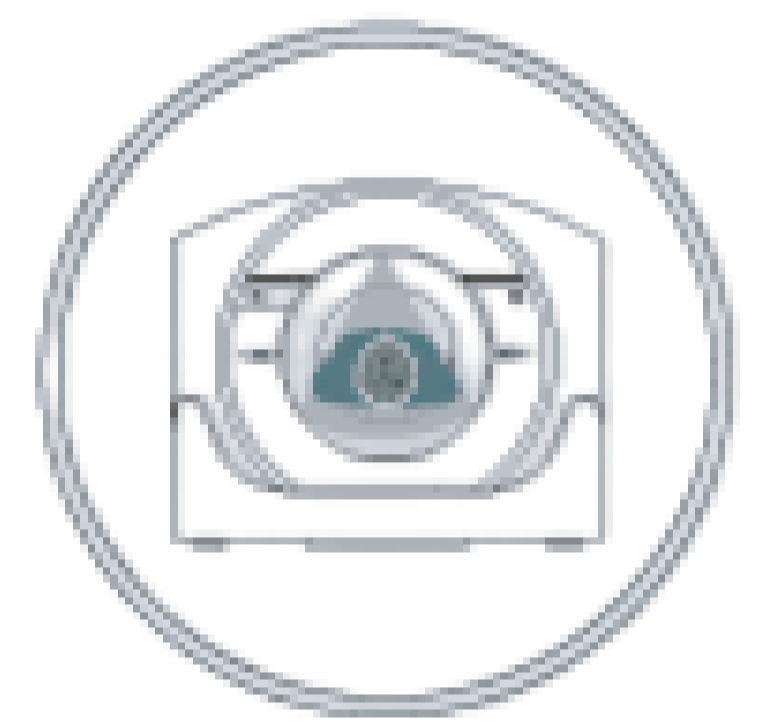
AccuShape Filter



Efficient Detector



Adose Dose Modulation



AccuSpin



Iterative Reconstruction



Amast



Contrast Agent Tracking Technology

## ELKSCAN-ENJOY EASE

Convenient and efficient operation process greatly improve work efficiency to achieve high volume of patients

### ELKOrientation

Preset intelligent positioning procedures to enable one-button accurate patient

### ELKTracing

Automatic bolus tracking to trigger the scan for precise scan timing

### ELKEmergency

Skip patient registration for emergency scans to save time

### ELKReconstruction

Up to 65 frms / sec real-time reconstruction

### ELKScanning

Carefully designed default scan protocols help to get high quality images with ease

### ELKPrinting

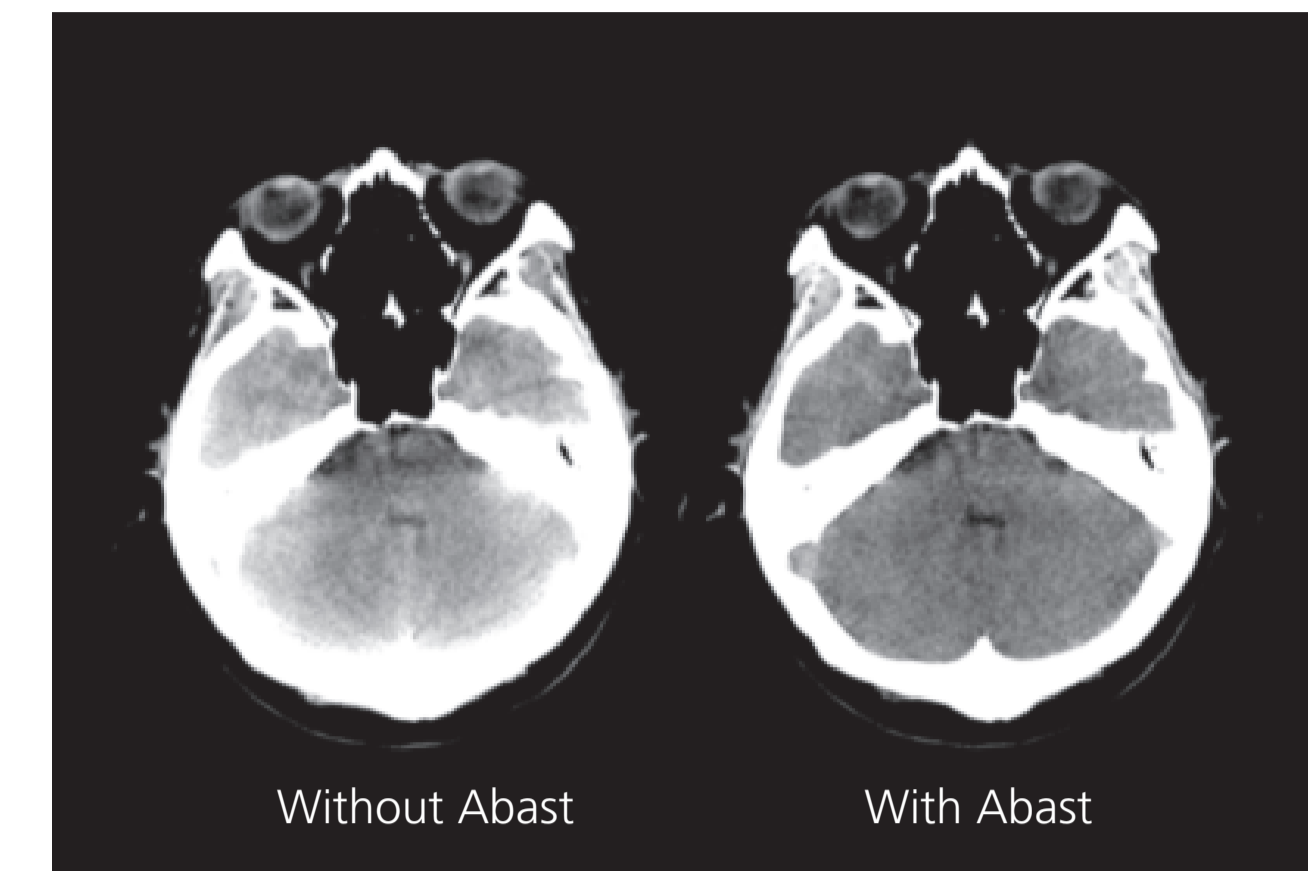
Intelligent typesetting and quick printing to save time

# ELKORGAN-TARGETED ORGAN IMAGING

To achieve high precision imaging of each part of human body at low dose and low energy consumption

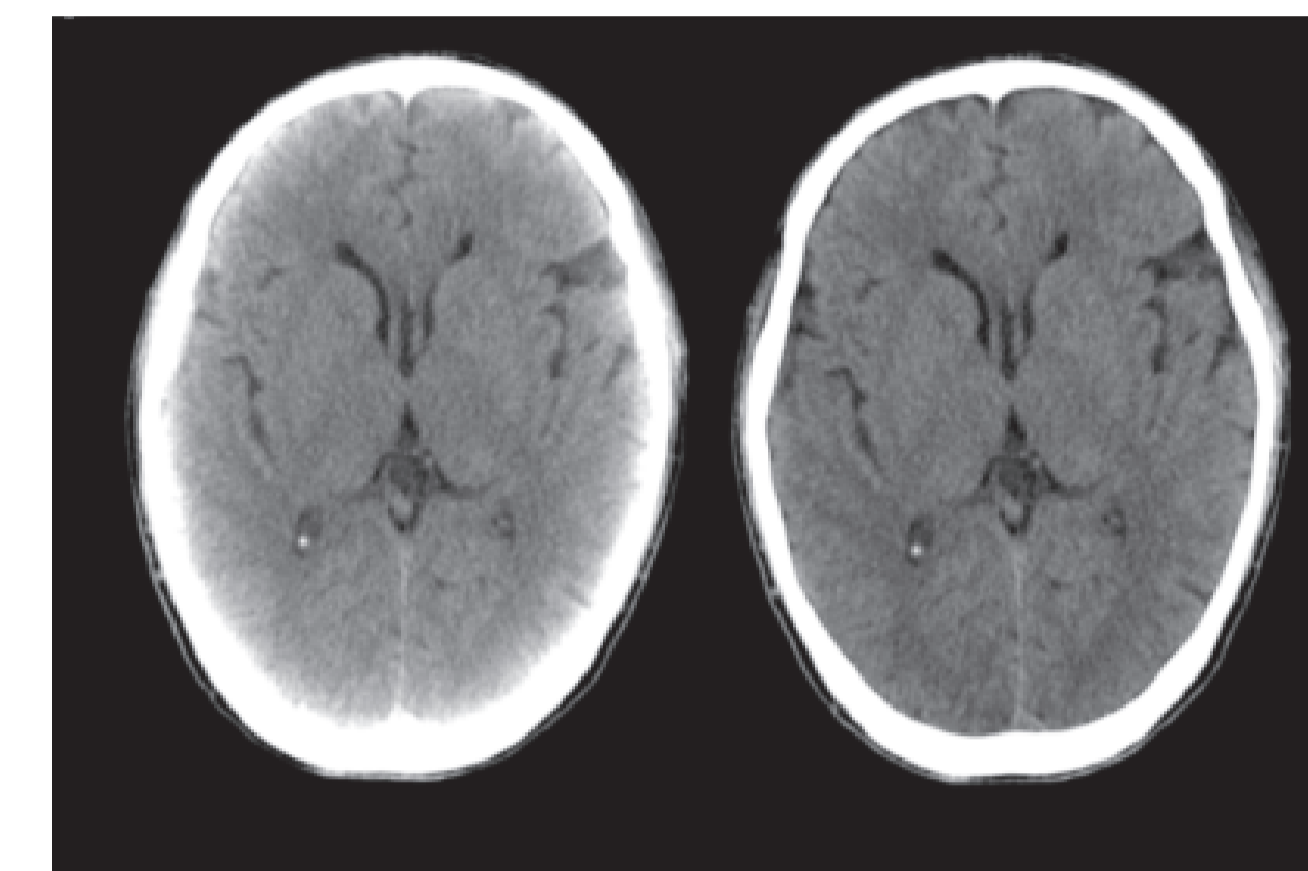
## Abast-Bone artifact suppression technology

Abast eliminates the X-ray beam hardening effects to the cerebellum, brain stem and other parts of the brain and clearly shows the structure and lesions of the brain stem and cerebellum.



## ELKHead-Gray & white matter enhancement technology

ELKHead technology is specifically designed for brain scans to improve the contrast between gray matter and white matter without sacrificing image quality.



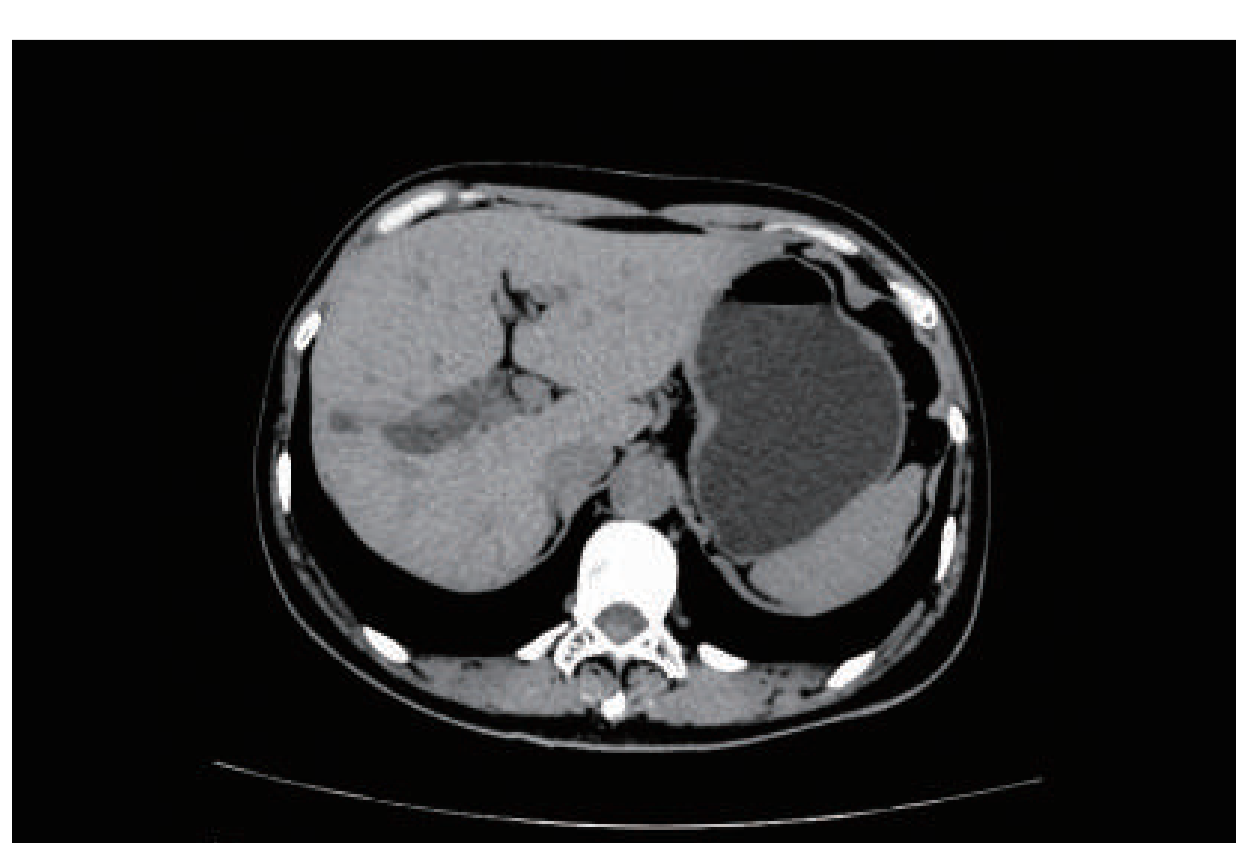
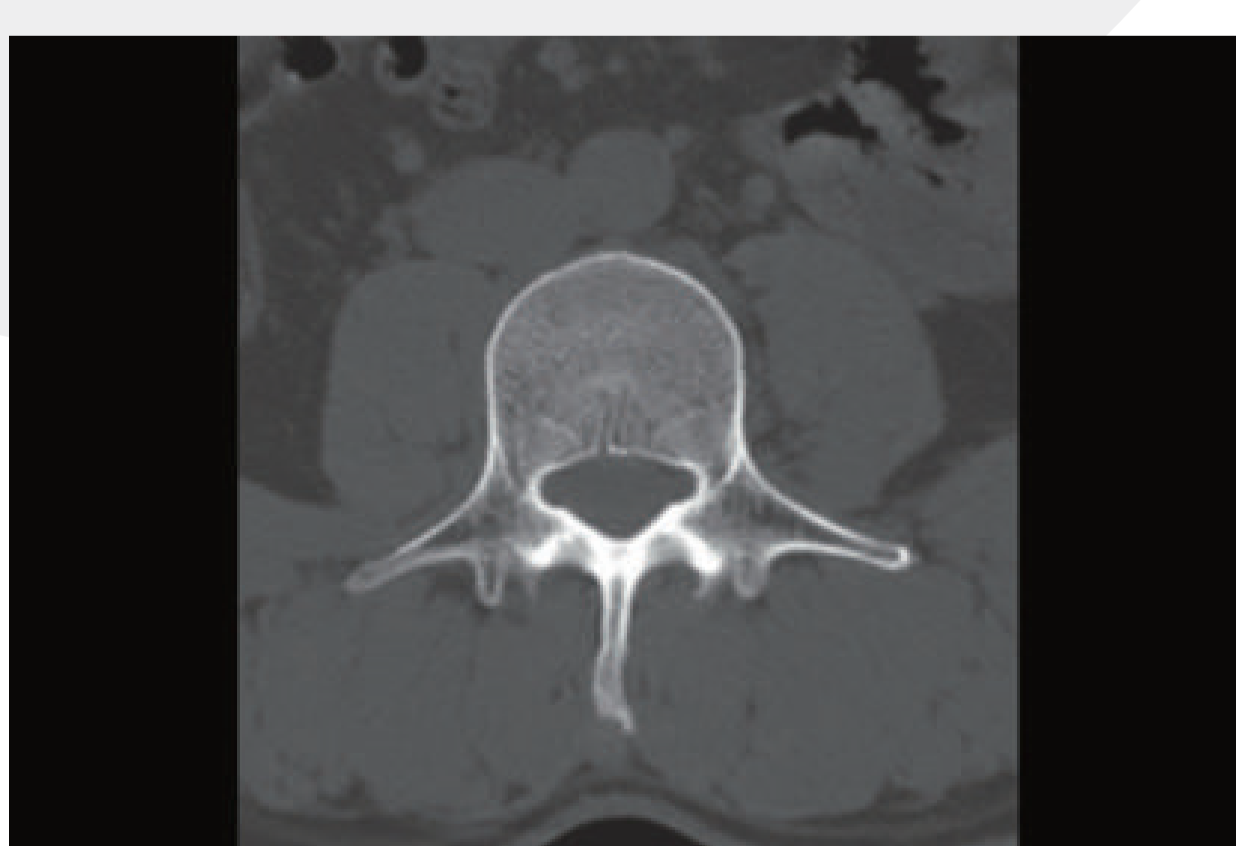
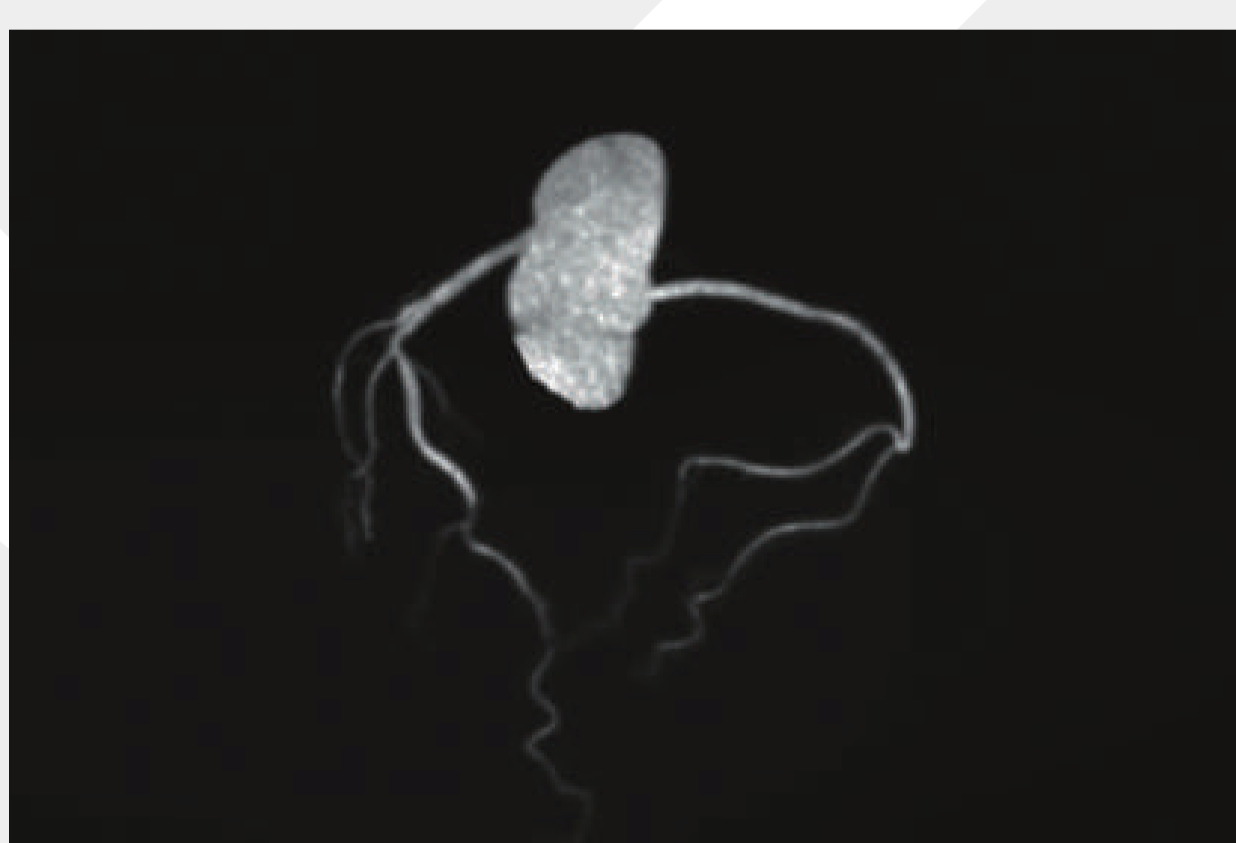
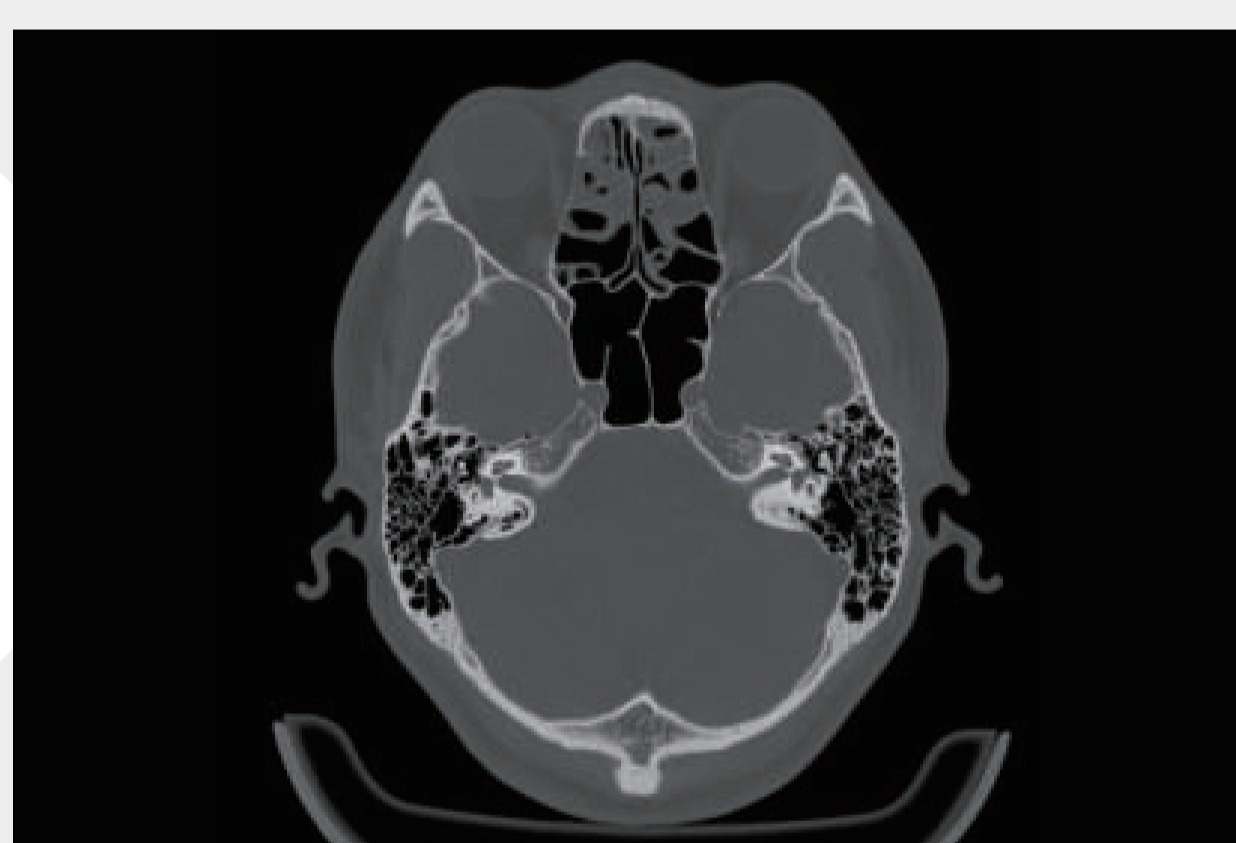
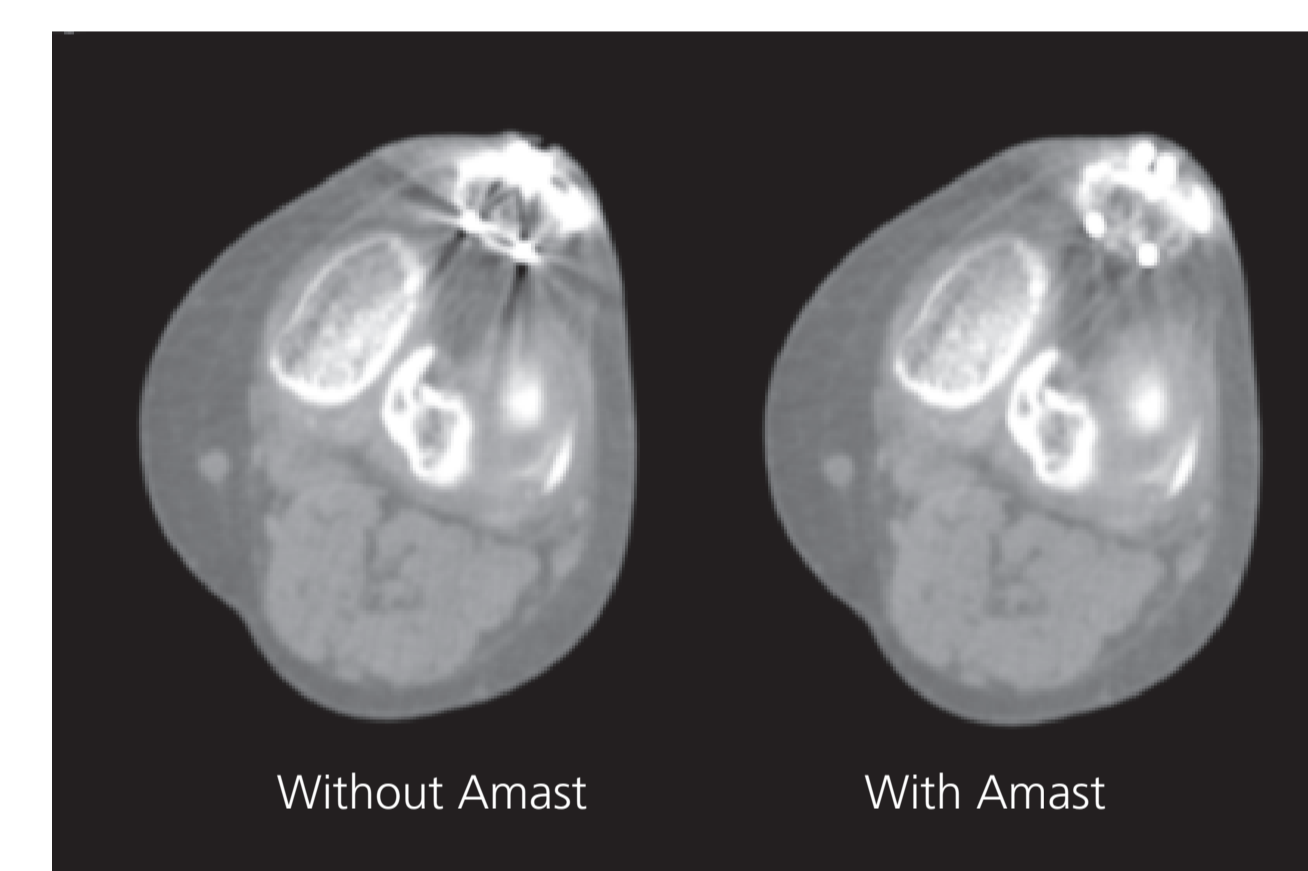
## ELKOrgan-High resolution lung imaging

High resolution images of the lung can be obtained at only 30%~40% of conventional radiation dose



## Amast-Metal artifact suppression

Dual-domain iteration is adopted to effectively remove metal artifacts and restore the soft tissue around the metal



## ELKImage-Microscopic imaging technology

1024x1024 matrix to display more details of the pathological changes and provide a reliable information for early detection, early diagnosis and early treatment of the diseases

## Aheart-Coronary angiography

Innovative ECG gated trigger and real-time dynamic tube current modulation are applied to achieve low dose HD coronary angiography, which can clearly reveal the fine structure of coronary arteries

## ELKBone-High resolution bone imaging

Enhanced bone edge contrast can provide accurate anatomic relationships and show early destruction and cyst of subchondral bone like lesions and articular cartilage calcifications

## ELKOrgan-Body high resolution imaging

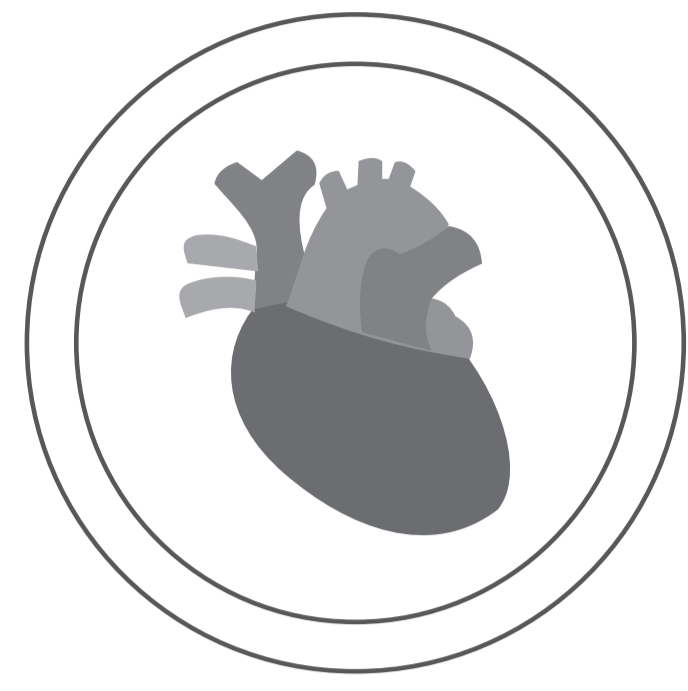
Combined with the ELKImage microscopic imaging technology, ELKOrgan technology can significantly increase the display of fine structure and morphology of the abdomen and provide more accurate images for the early diagnosis of small lesions

# COMPREHENSIVE CCTA SOLUTION

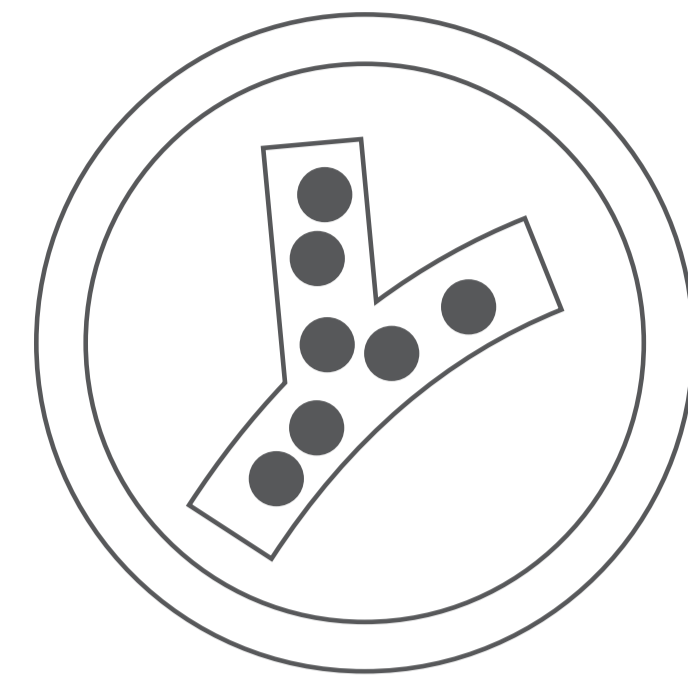
Perfect for patients with high heart rates and complex rhythms, enabling CCTA imaging at ultra-low doses and low contrast dosages



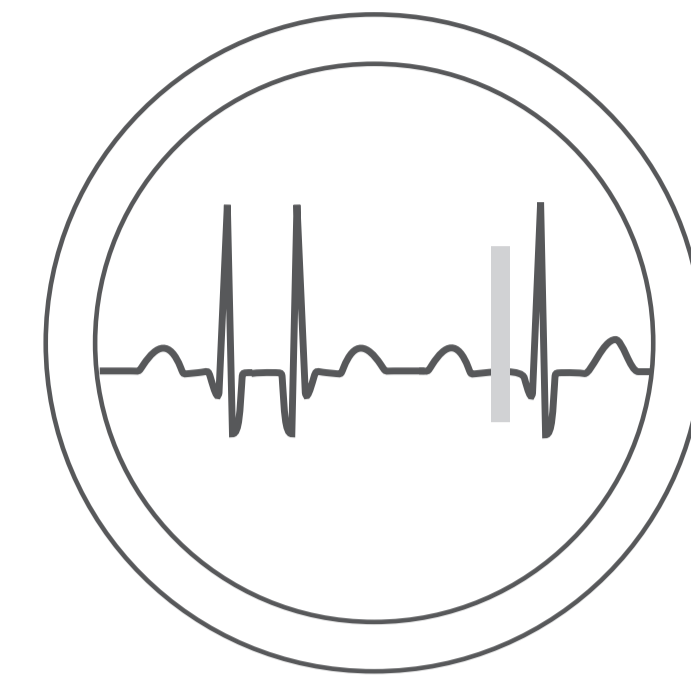
ELKPitch coronary adaptive pitch



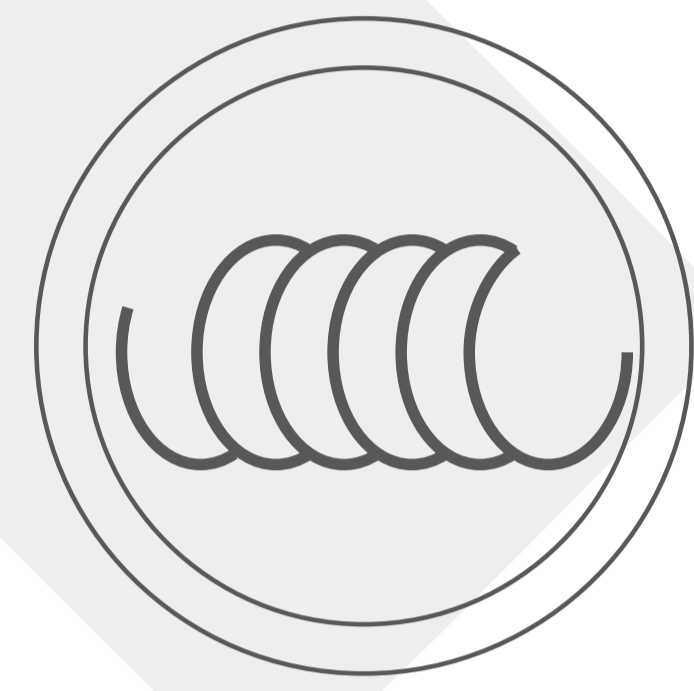
ELKGating intelligent gating CCTA imaging



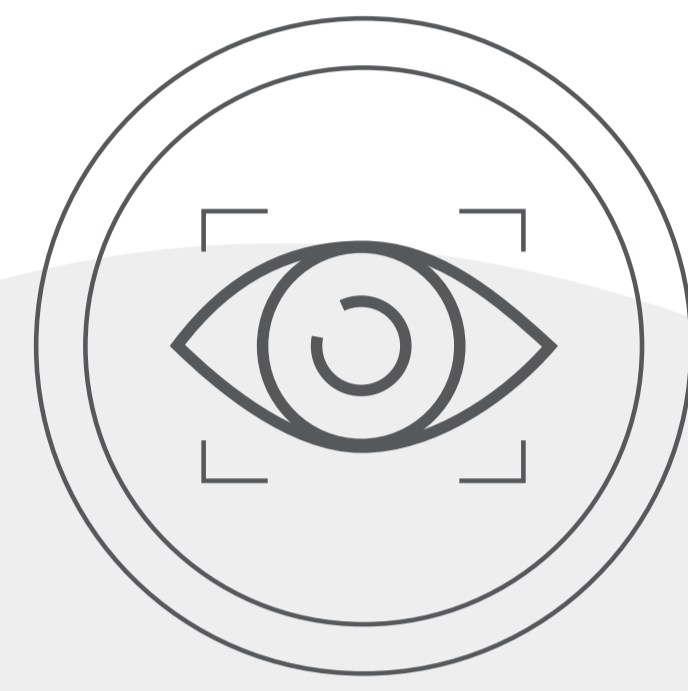
Aheart intelligent low-dose CCTA image



ELKCardio prospective scan for arrhythmia



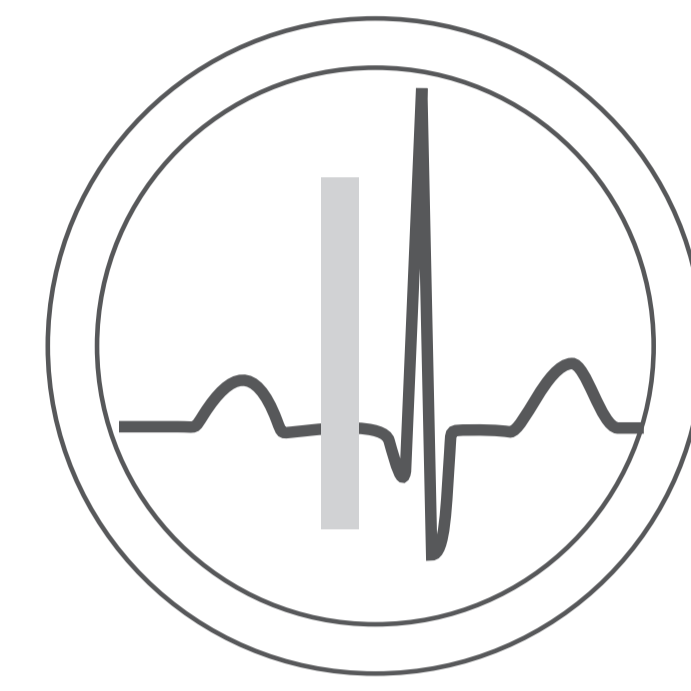
Large pitch HD CCTA imaging



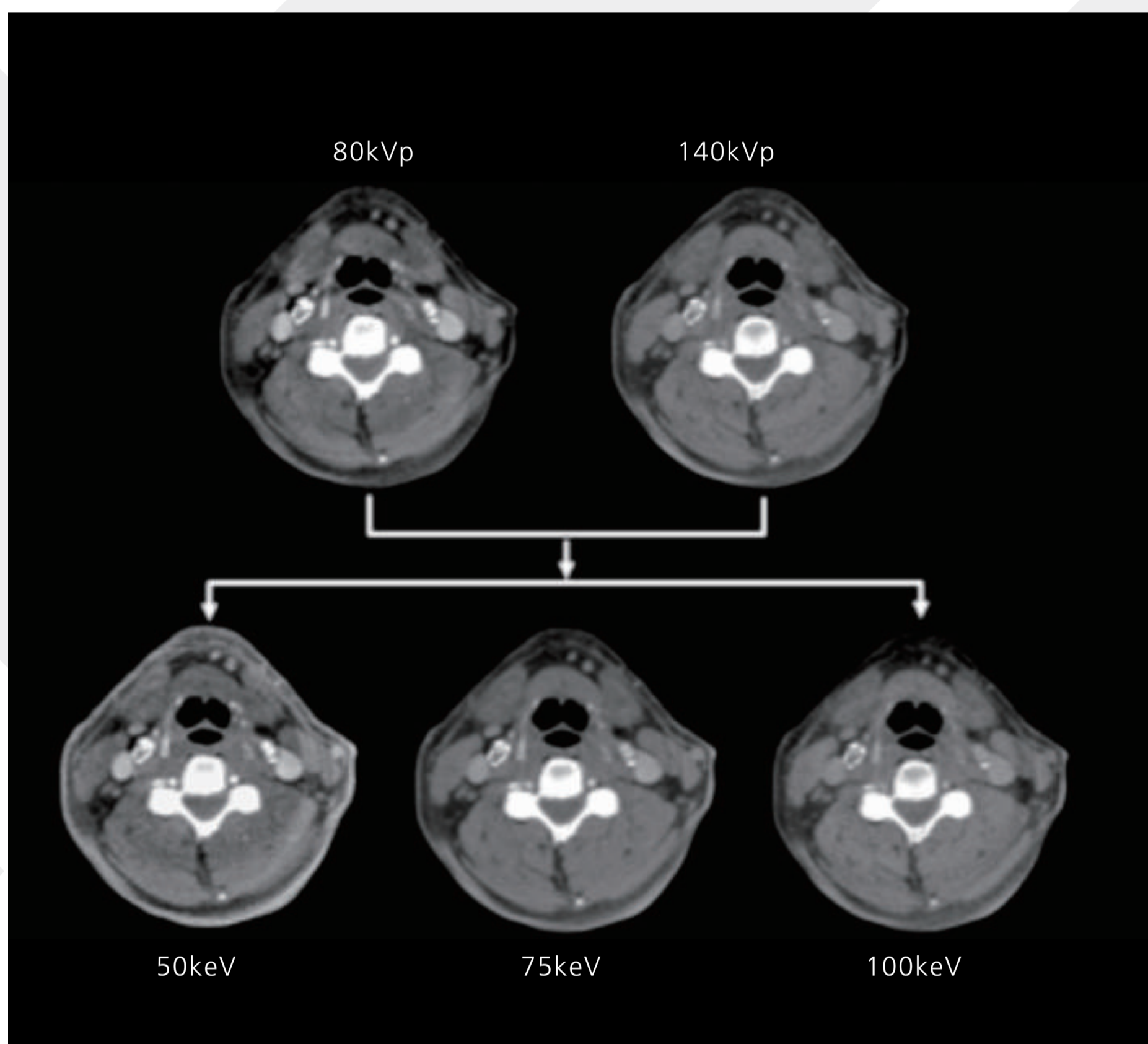
ELKTracking intelligent coronary artery tracking



Parameters self-adaptive CCTA imaging

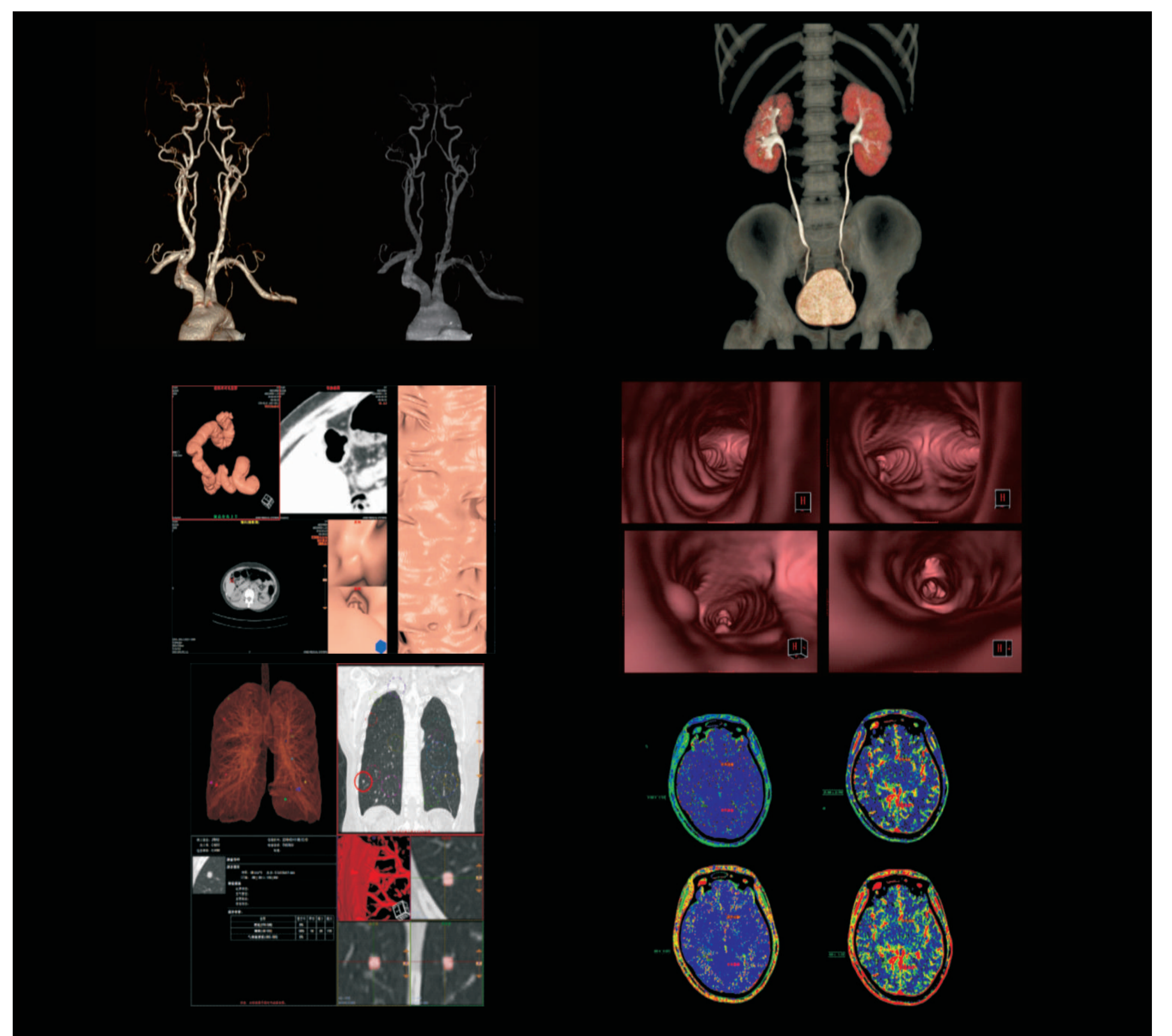
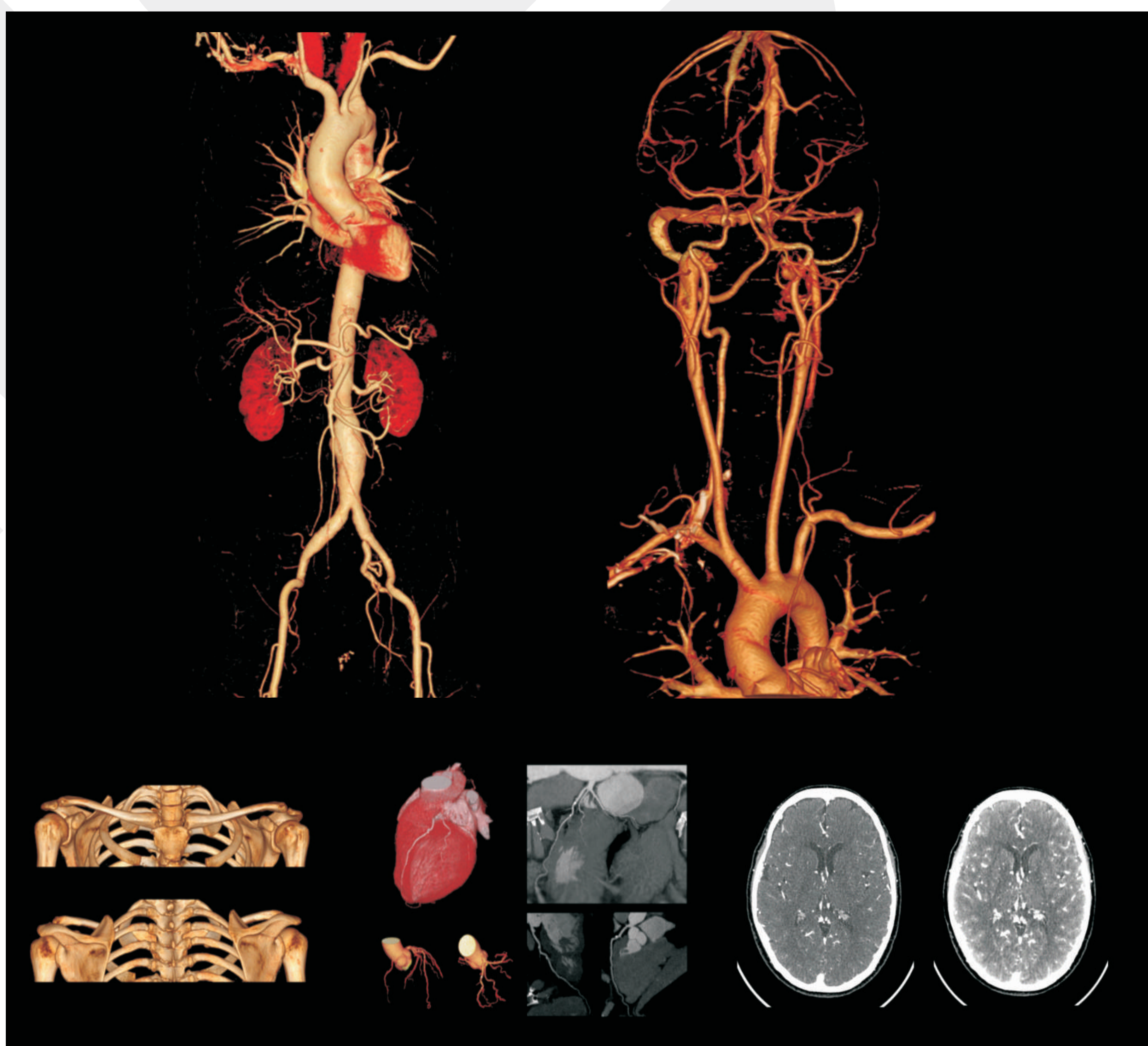


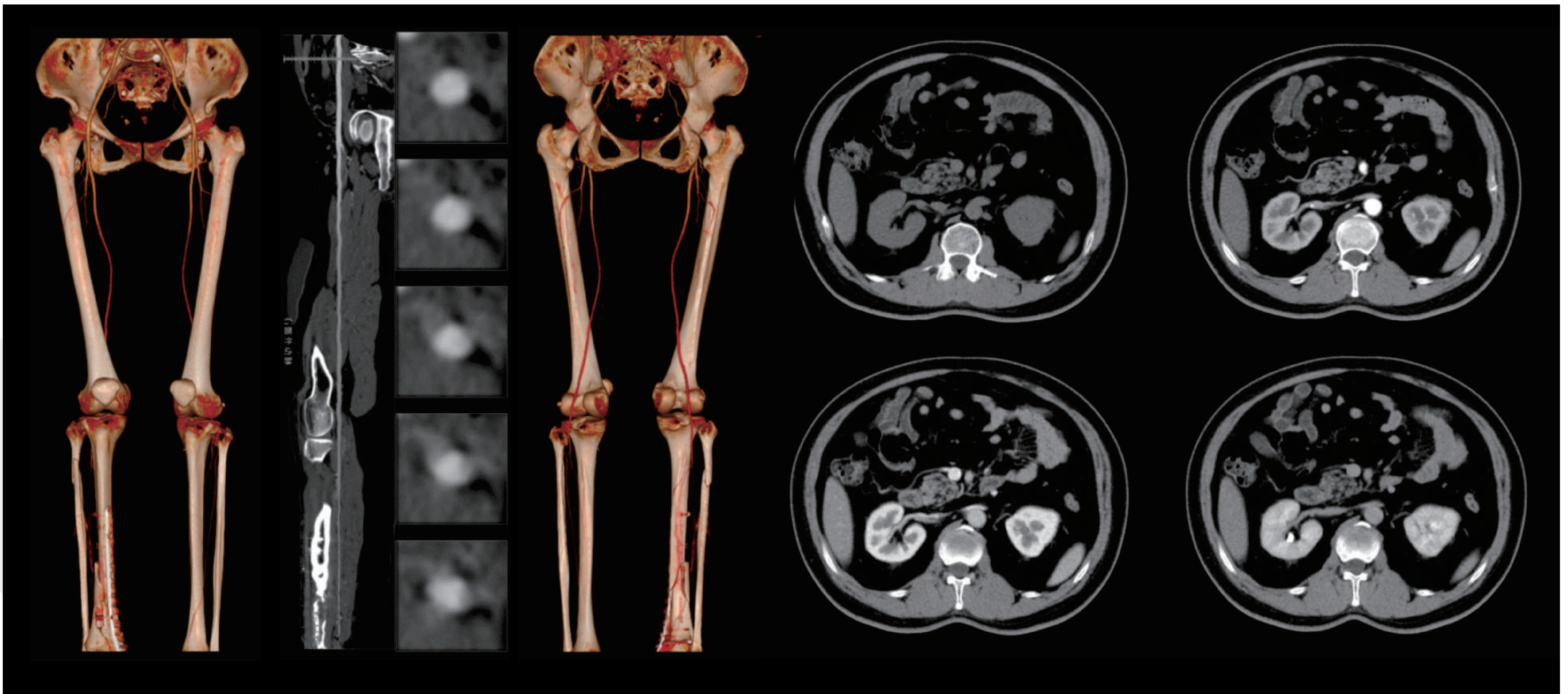
Prospective ECG gating scan



## ELKSPIN SPECTRUM IMAGING

ELKSpin dual dual energy imaging technology uses high / low kVp dual cycle scanning, combined with the current automatic modulation technology of Adose, and achieves energy separation through unique energy algorithm at equivalent dose.





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