

Innovating for You



www.neusoftmedical.com/en/

 NeuSoft Medical Systems

 NeuSoft Medical



NeuViz ACE 128

Revolutionary Imaging Powered by AI

NeuViz ACE 128 / V24.05

Leave business operation concerns behind and stay focused on innovation with NeuViz ACE 128's intelligent high-definition imaging chain. These features ensure submillimeter-level image quality at every step, from acquisition to recon. This maintains optimized image texture and facilitates clearer clinical results. Additionally, New-gen ClearInfinity AI Reconstruction is employed to further reduce noise at ultra-low dose. The A-STAR tube expands your business: more patient throughput, uninterrupted operation and cost minimization. The NeuAI platform creates tailored settings for every scan, enabling efficient workflow and patient care simultaneously.

NeuViz ACE 128 is designed for smart and outstanding image performance. All intelligent highlights and user-friendly details throughout the full-range workflow bring you precise results in every situation.

Go Innovative with NeuViz ACE 128

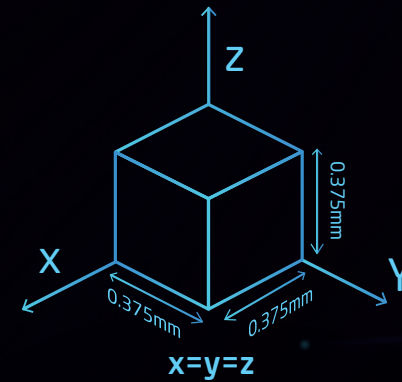
Robust
A-STAR Tube

Accurate
HD Imaging Chain

User-Friendly
NeuAI Platform

Comprehensive
Clinical Solutions

AI HD Imaging Chain



iHD 3D Volume Technology

Isotropic with High Definition
33.5lp/cm Spatial Resolution

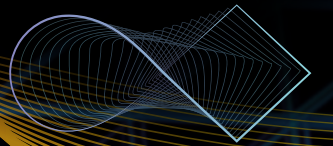
1024 Recon Matrix

More detail and
confidence for diagnosis

ClearInfinity AI Recon

Ultra-low dose with
increased image quality

Clear
Infinity



A-STAR Detector

High tech design
Low power consumption
Low electronic noise

A-STAR Tube

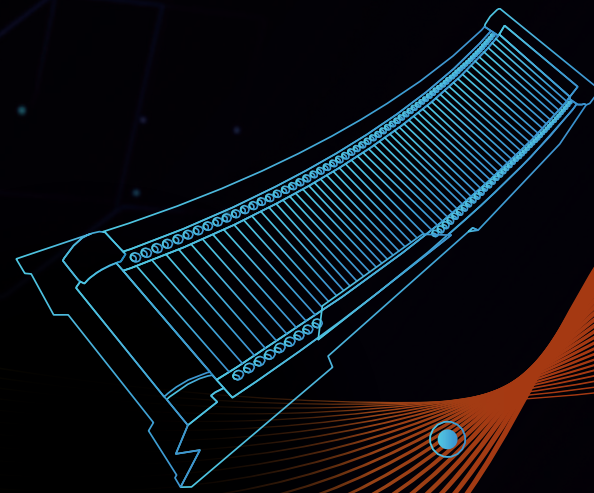
Intelligent Flying Focal Spot: 0.5x1.0mm
200% Increased Raw Data Sampling

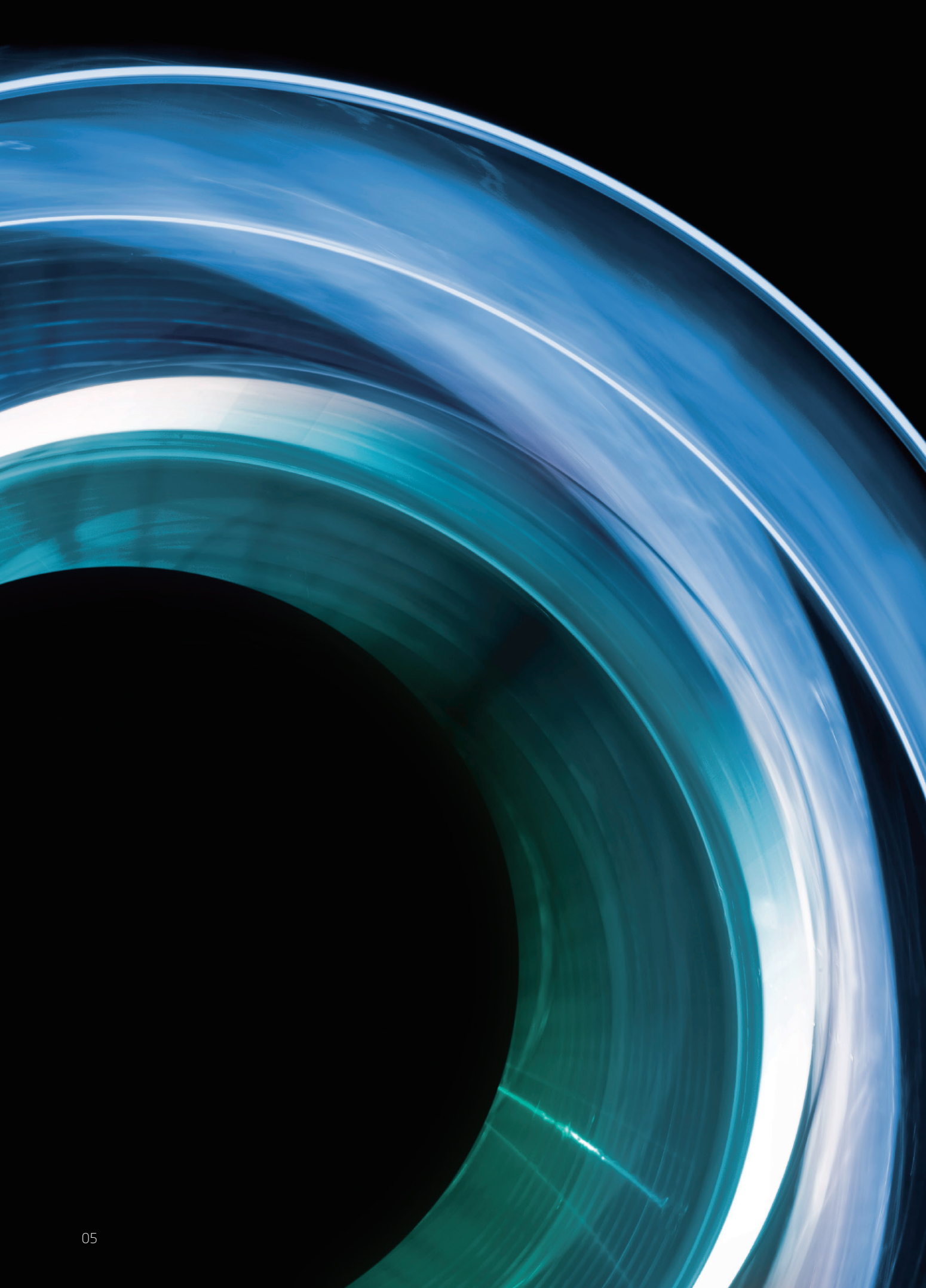
250mm SFOV

Accommodating various
patient sizes and anatomy
with minimal dose

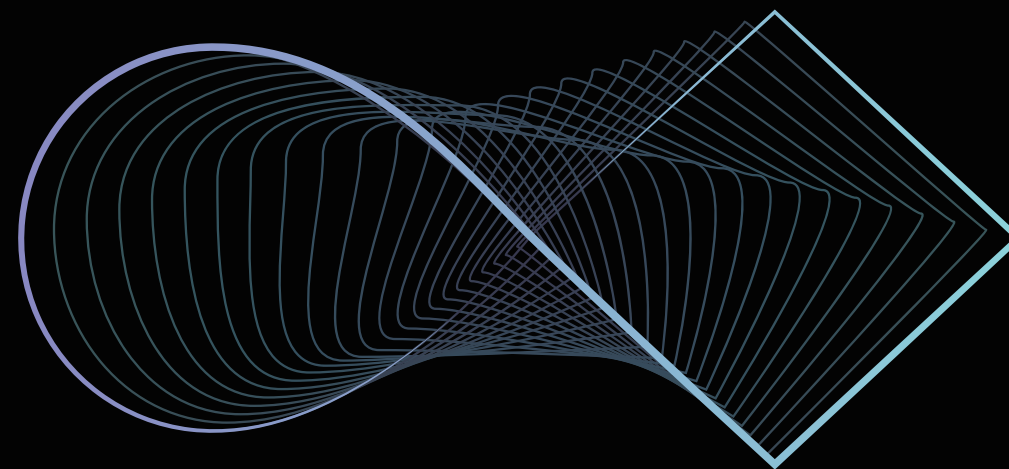


250 mm





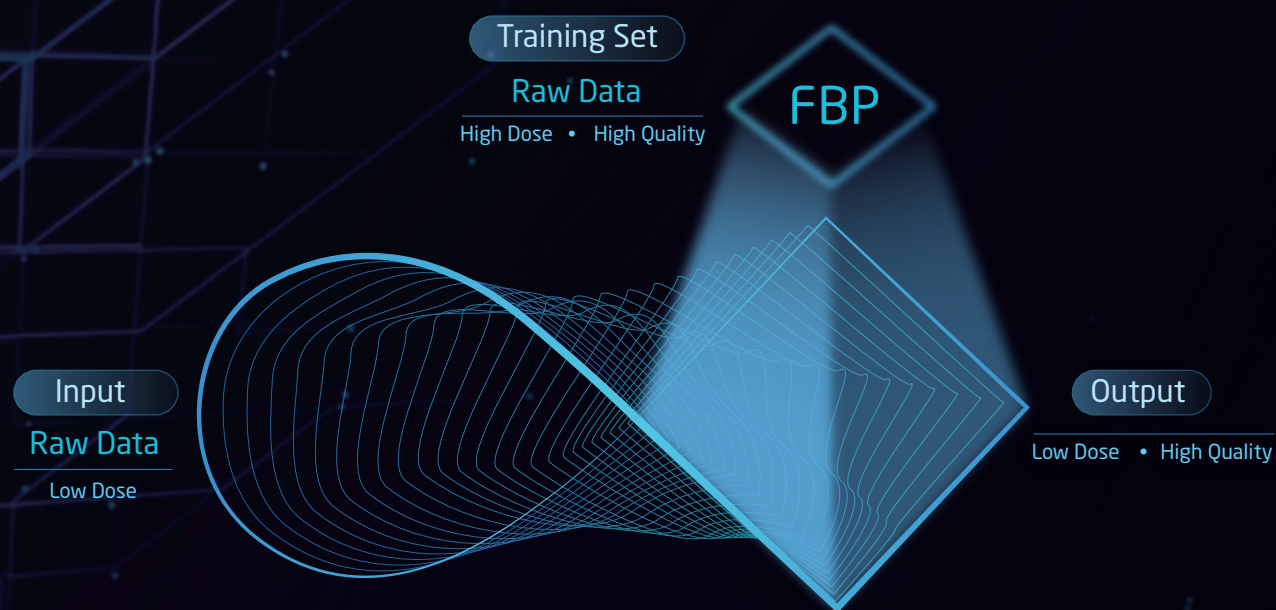
Clear Infinity



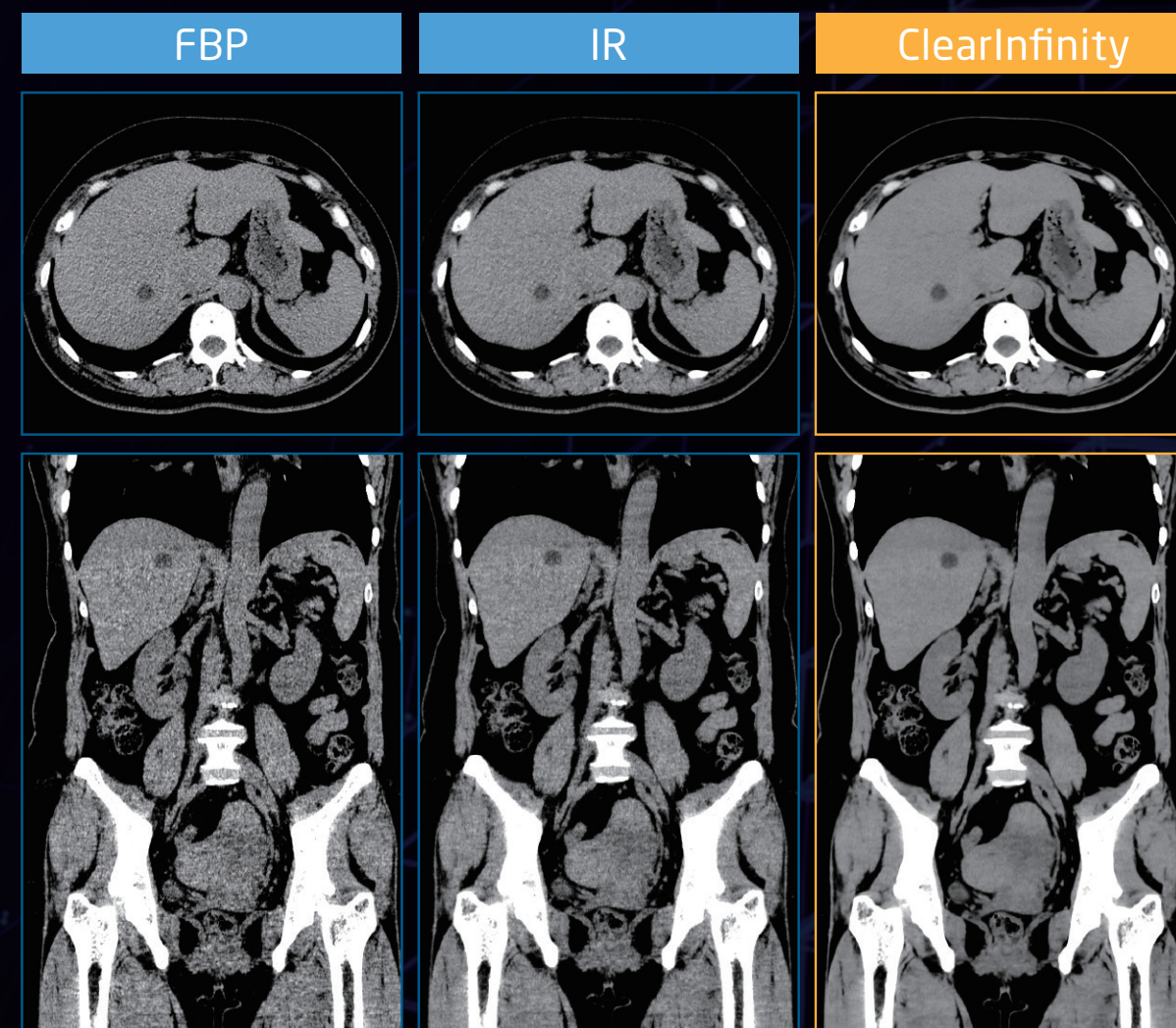
POWERED BY **Neusoft** Medical
Systems

ClearInfinity AI Reconstruction

Neusoft Medical has blazed a new trail in utilizing artificial intelligence for image reconstruction. The ClearInfinity Deep Learning Reconstruction engine delivers exceptional details with preferred image sharpness and reduces noise at lower doses. ClearInfinity strikes an optimal balance between ultra-low dose and excellent image quality and improves diagnostic confidence in the full range of clinical applications.



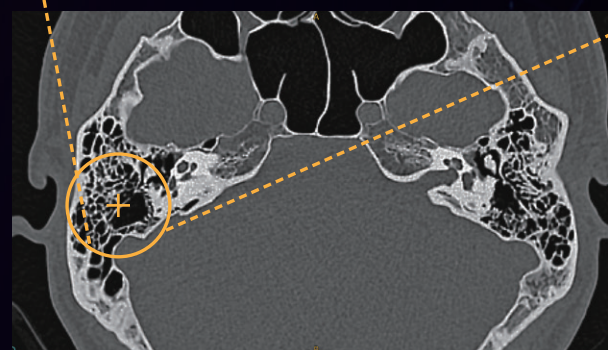
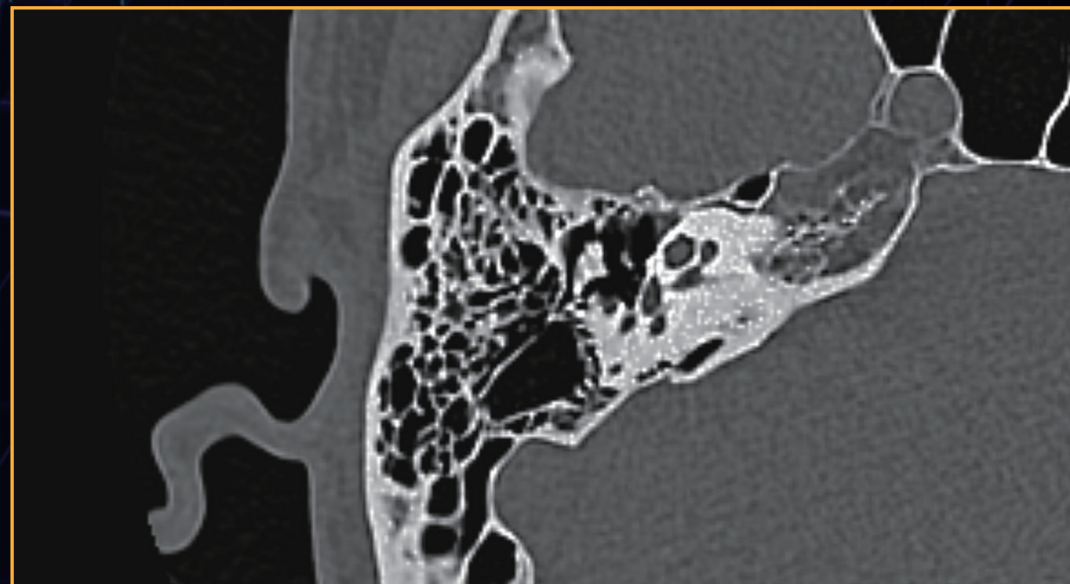
*Ultra-low Dose
Higher Image Resolution*



Compared with FBP			
at the same quality	at the same noise conditions	at the same dose radiation	
85%	88%	90%	135%
Dose reduction	Improved spatial resolution	Lower noise	Improved low-contrast resolution

Ultra-High Resolution Imaging

HD Inner Ear with iHD



Scan Mode iHD

Slice Thickness 0.375mm

Matrix 1024x1024

Reconstruction ClearInfinity AI

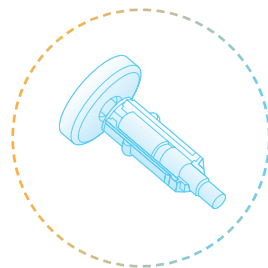
33.5lp/cm



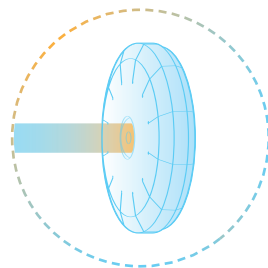
Robust A-STAR Tube

Presenting the A-STAR Tube, a creatively fused marvel that combines cutting-edge technology with Liquid Metal Bearing (LMB) customized tube, setting a new standard in medical imaging. This innovative tube delivers exceptional advantages, including the ability to scan a wider range of patients, an extended lifespan, and the capability to perform scans with lower dosage. Engineered with robust hardware, the tube possesses a substantial 19MHU heat capacity and incorporates cutting-edge 70kV low-dose technology, ensuring unparalleled performance in the field of medical imaging.

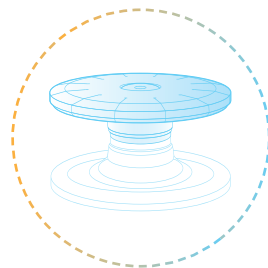
A-STAR Tube | Technique-driven



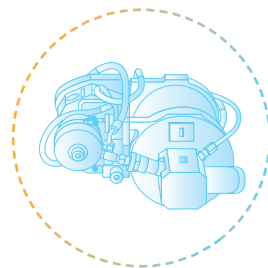
LMB
Technique



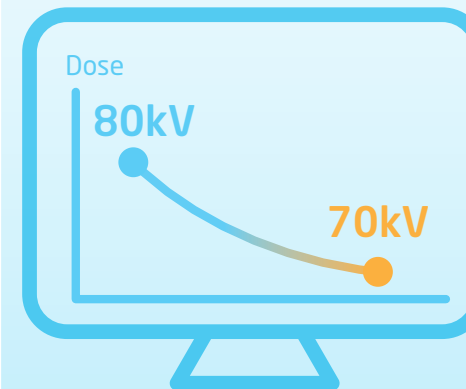
Super-large
Anode Surface



Micro-carving
Technique



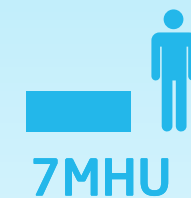
Continuous Anode
Rotation



70kV
Lower Radiation Dose

Large Tube Capacity

19MHU



7MHU



19MHU

A-STAR TUBE

Intelligent | Efficient | Beneficial

Drive Daily Business

**For Your Successful
Investment**

A-STAR Tube Drive Daily Business

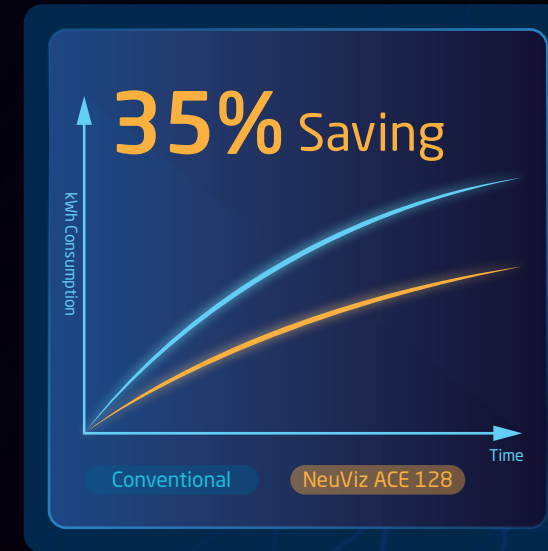
Stable Running

LMB can reduce the vibration of the anode target surface, reduce image noise, provide precise focus, and accurate operation. Even when facing a large number of patients, it can run steadily and reduce waiting time. The longer lifespan of the tube means fewer interruptions and more stable operation of the scanner.



Long Tube Life

Utilizing Liquid Metal Bearing, the A-STAR Tube not only reduces the frequency of warm-up and failure rate, it also has a lifespan that is more than twice that of Ball Bearing Tube.



Reduce Cost

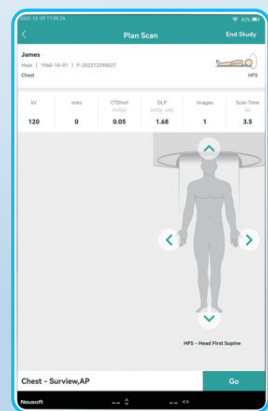
Adhering to the green energy-saving concept, the NeuEco algorithm relies on artificial intelligence technology, enabling the A-STAR tube to meet daily clinical needs while ensuring the best energy-saving efficiency, reducing electricity consumption by 35%, thus achieving significant cost savings.

Business Reputation

The intelligent LMB tube with 19MHU can effectively cater to a large number of patients. The provision of high-quality service resulting from its stable operation can have a positive impact on commercial reputation.



NeuAI Platform



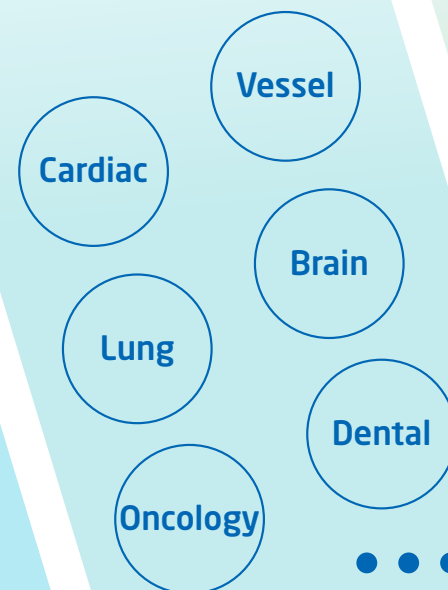
Accurate

Better scan standard

Organ-based recognition of whole body
Intelligent couch moving
Define scan range

Care

Intelligent dose minimization



Quick

Save processing time

Focus

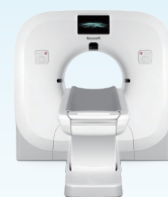
Make your patients comfortable

Patient Registration
Protocol Selection automatically

Fast

Simplify workflow steps

Collision Check
Posture Adjustment
Position Consistency Check



NeuAI Positioning

iCentering

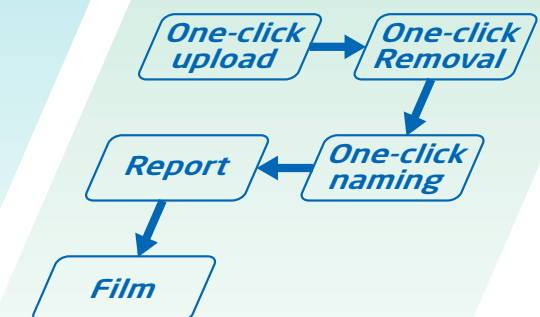
Auto FOV

Auto kV

Dose Modulation

Easy

Increase post-process efficiency



Clinical Solutions

HD Routine cases-Brain Scan



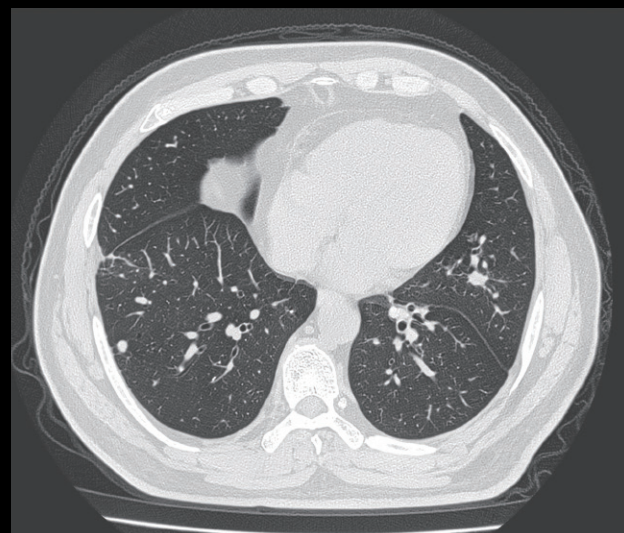
Patient 52 years old

Slice Thickness 5mm

CTDI_{vol} 25mGy

DLP 305mGy*cm

HD Routine cases-Lung Scan



Patient 55 years old

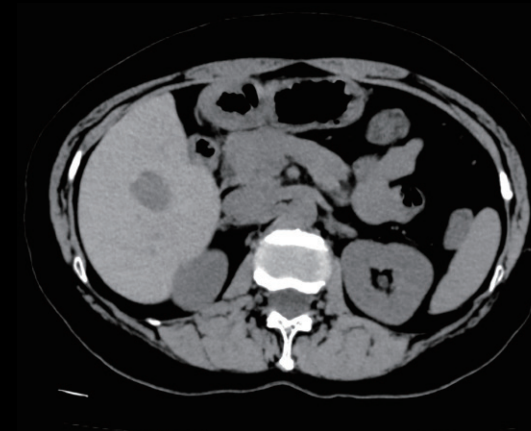
BMI 23

Slice Thickness 0.75mm

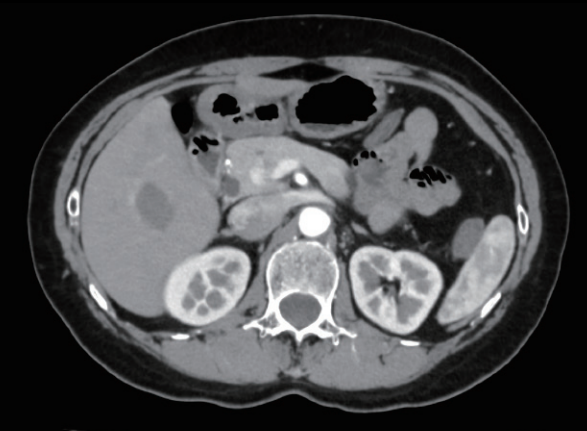
CTDI_{vol} 1.3mGy

DLP 56mGy*cm

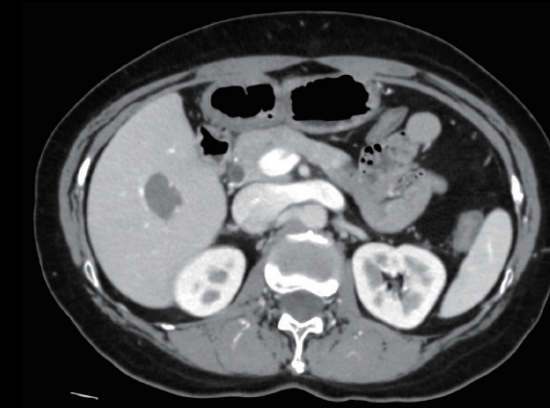
HD Routine cases-Abdomen Scan



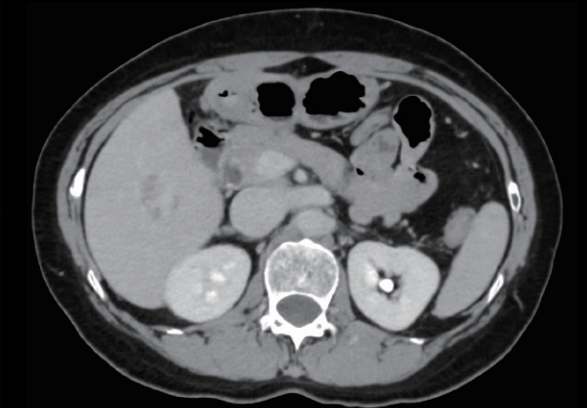
Plain scan



Arterial phase



Venous phase



Delay phase

Patient 62 years old

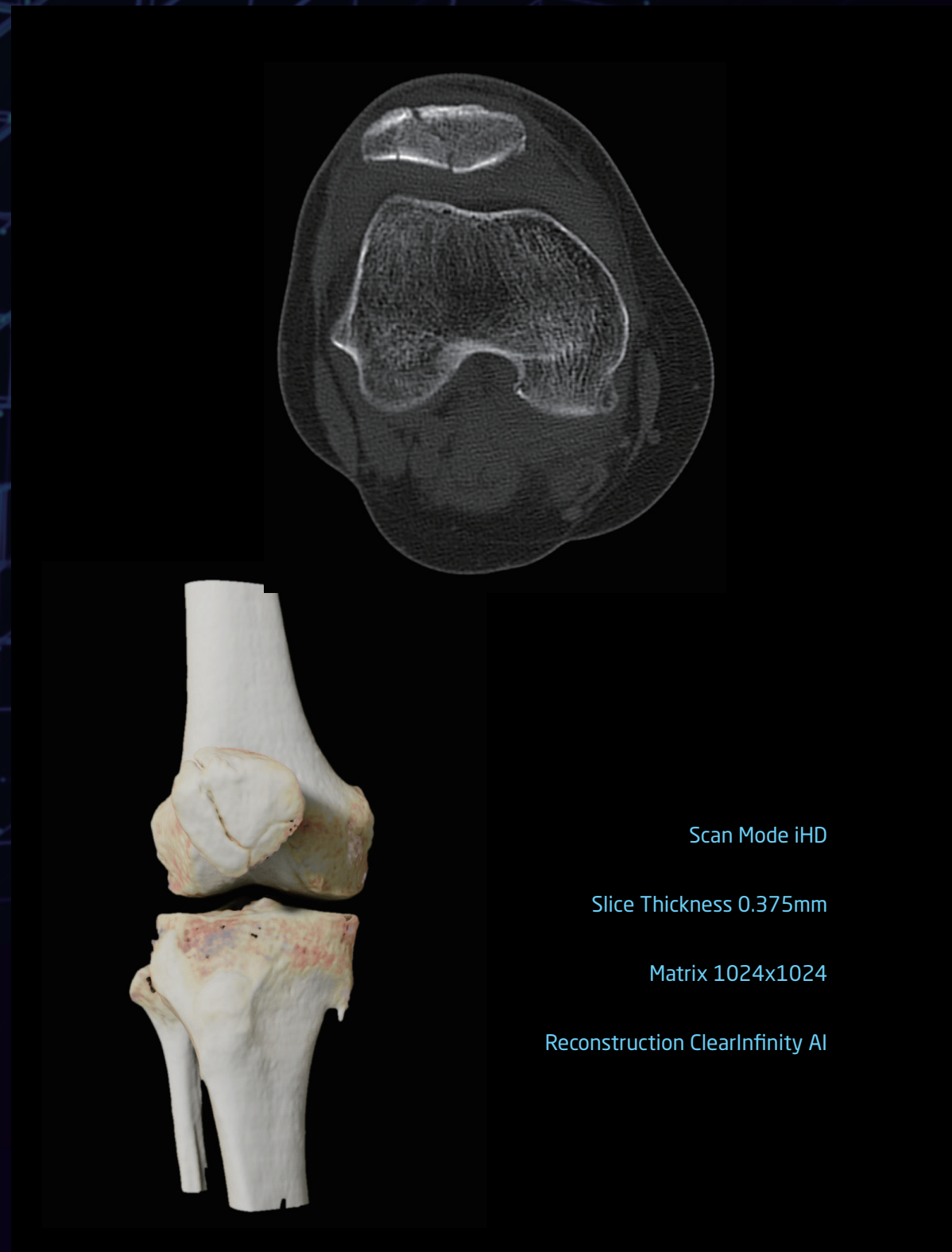
BMI 21.7

Slice Thickness 1mm

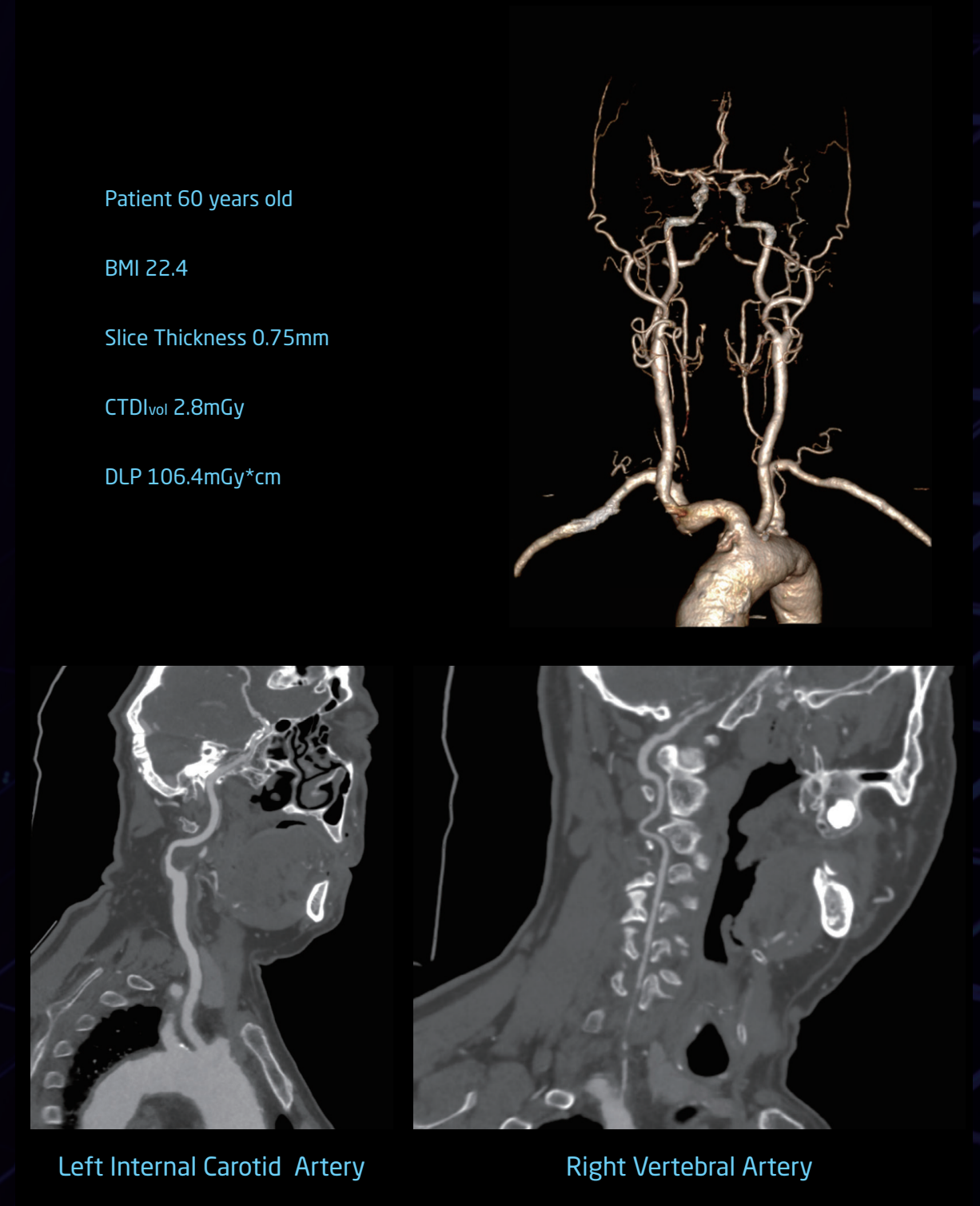
CTDI_{vol} 2.0mGy

DLP 92mGy*cm

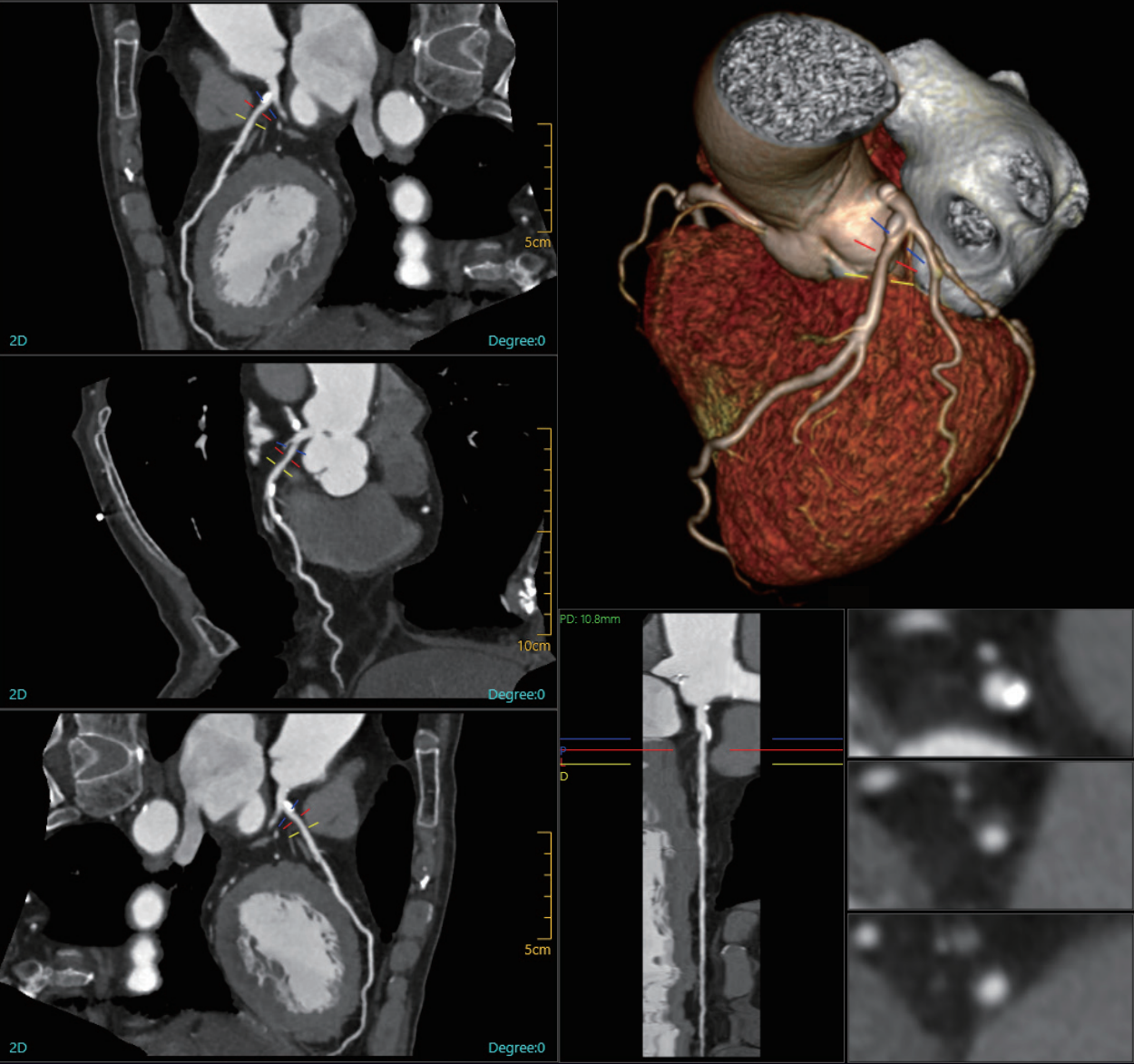
HD Routine cases-Musculoskeletal Scan



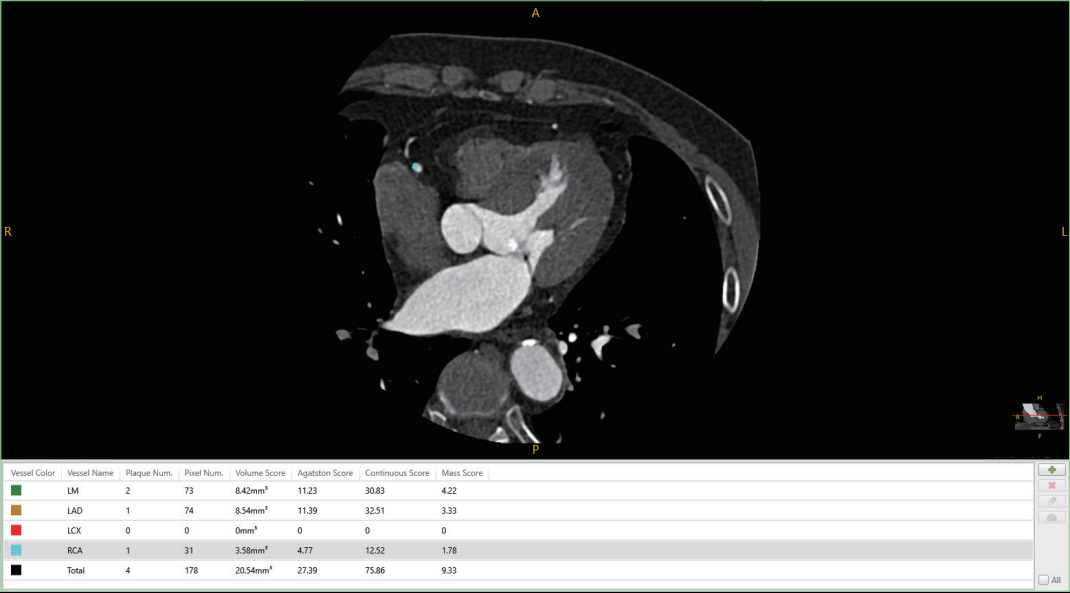
HD Routine cases-CTA



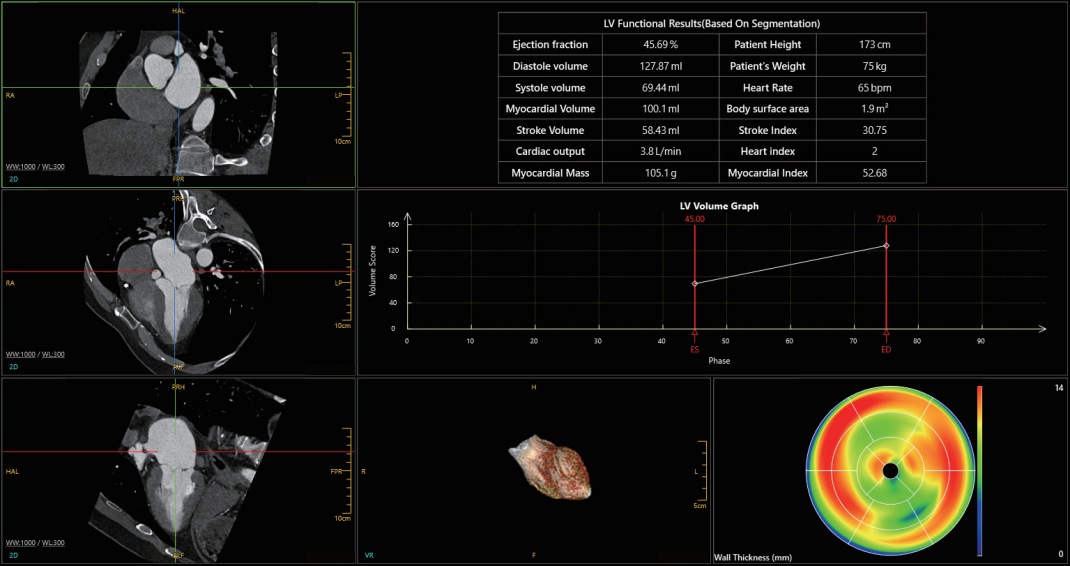
Cardiac Scan*



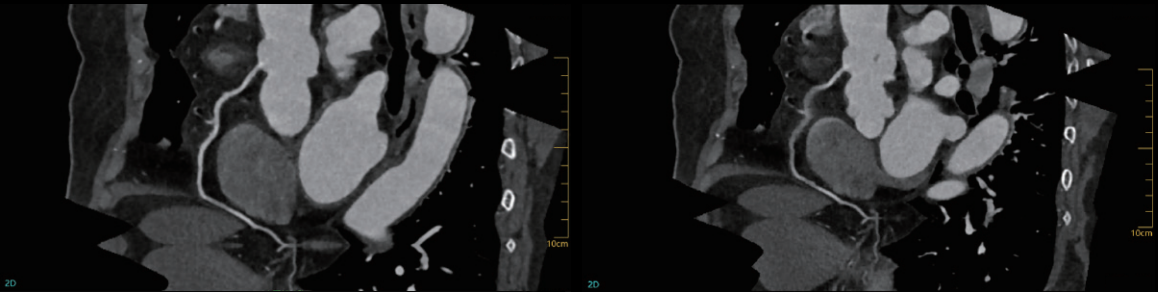
Coronary Analysis



Cardiac Calcium Score



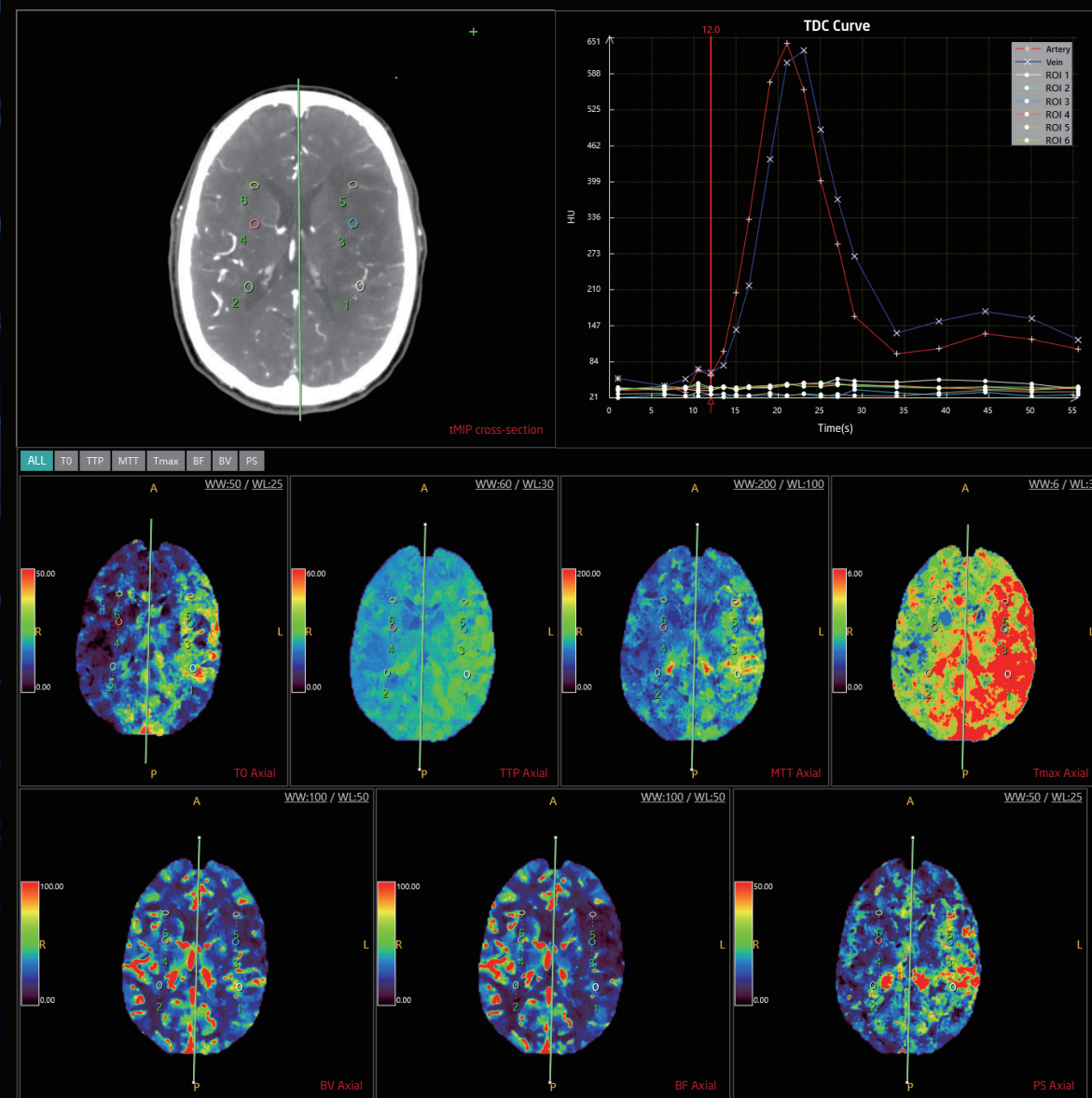
Cardiac Function Analysis



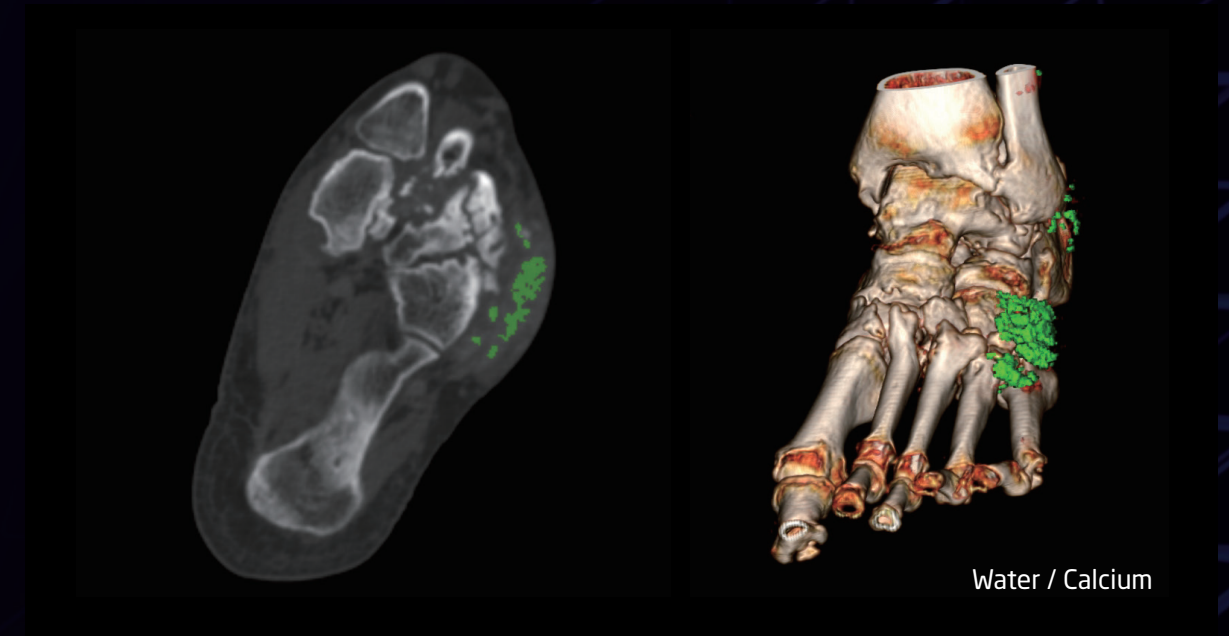
CMC ON

CMC OFF

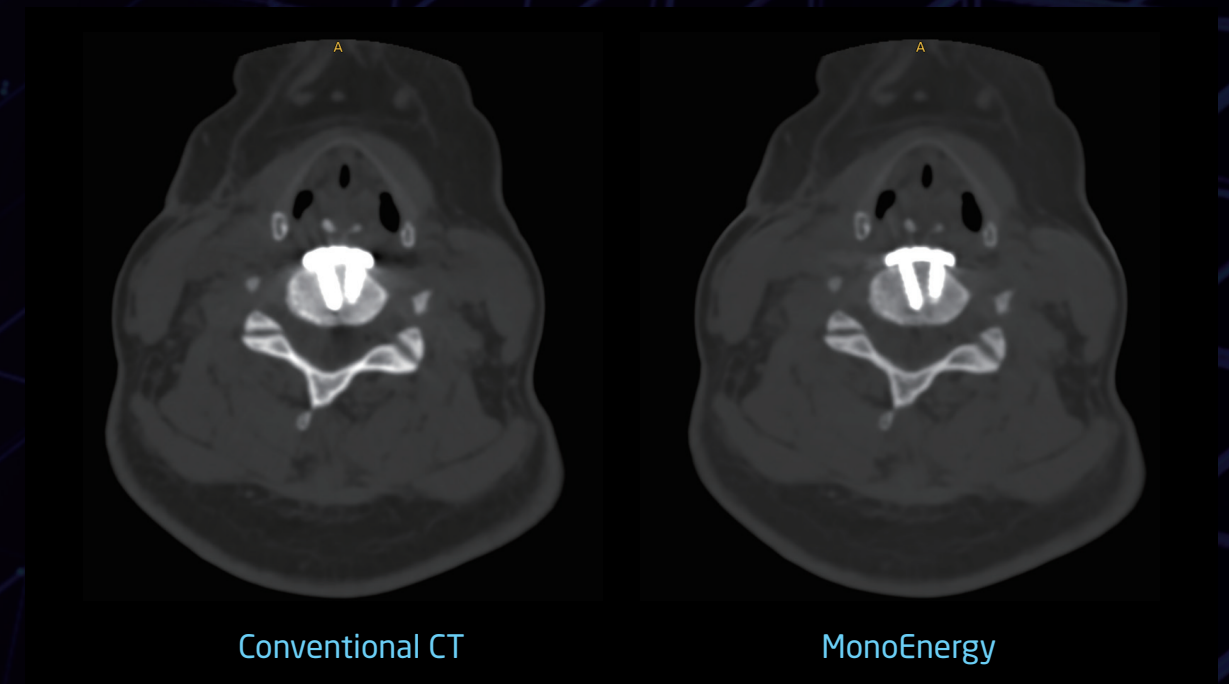
Whole Brain Perfusion-Shuttle Mode*



Spectral Imaging-Gout Visualization*



Spectral Imaging-Metal Artifacts Reduction*



*Option

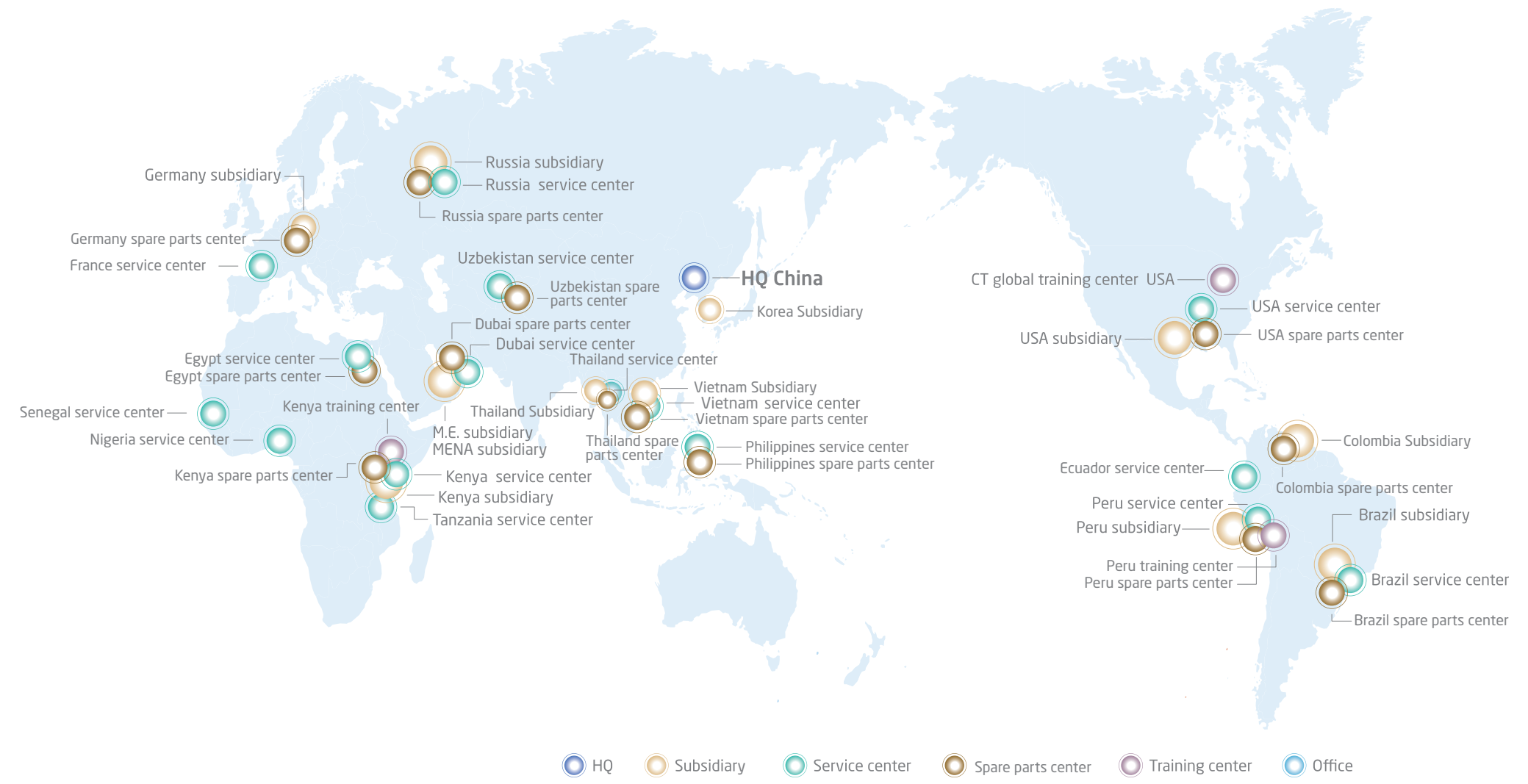
Technical Specifications

Key data:

Slices.....	128 slices
Slice thickness.....	Min. 0.375mm
Detector coverage.....	48mm
Tube heat capacity.....	Effective 19MHU
Generator power.....	50kW
kV step.....	70kV, 80kV, 100kV, 120kV, 140kV
Pitch.....	0.1-2.1
Rotation time.....	0.48s/360°
Reconstruction.....	ClearInfinity AI Recon



Neusoft Global Service & Logistics Network



After-sales service and support

- Remote service capabilities bring Neusoft expertise to you IMMEDIATELY, no matter where you are!
- Identifying and correcting PROMPTLY and PROACTIVELY, minimizing downtime and patient inconvenience.
- Global logistics network enables fast response regarding parts and supplies.

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