

Caring for you



NeuViz 16 Essence

High-end CT Technology Made Affordable

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NeuViz 16 Essence / Y22.08

Innovation for Essence

The NeuViz 16 Essence was designed to offer more healthcare service for an increasing number of patients. Its high-end platform and powerful hardware deliver high definition routine scanning and CTA imaging with high patient throughput.

Efficient workflow, intelligent applications and reliable performance make the NeuViz 16 Essence the good choice for your business.



128-slice
Platform



Humanized
Workflow



Smart Dose
Management



HD Imaging



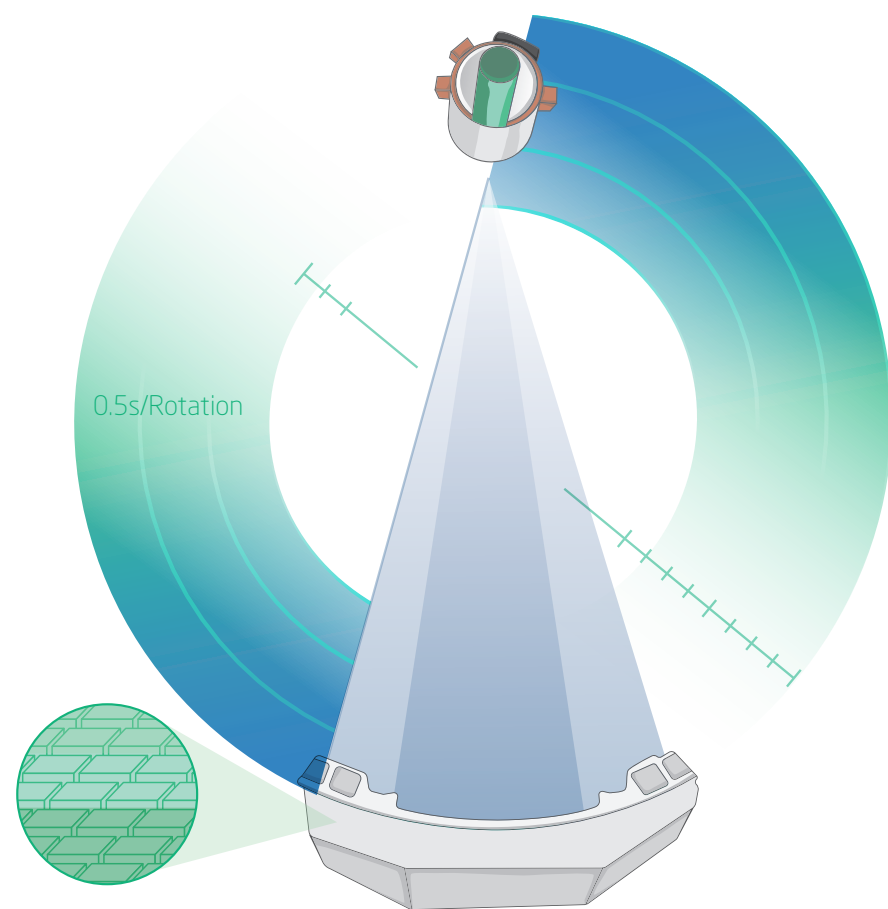
Abundant
Applications



Powerful Hardware Configuration

Designed for Better Throughput

5.3MHU tube, 50kW generator, 0.5s rotation speed and 100s continuous scanning capability ease a high patient throughput without requiring tube cooling.



32-row Detector Design

Sub-millimeter Detector Coverage results in greater anatomical coverage per rotation, decreasing scan time and patient dose.

Decreased exam time improves image quality by reducing motion and pulsatory artifacts.

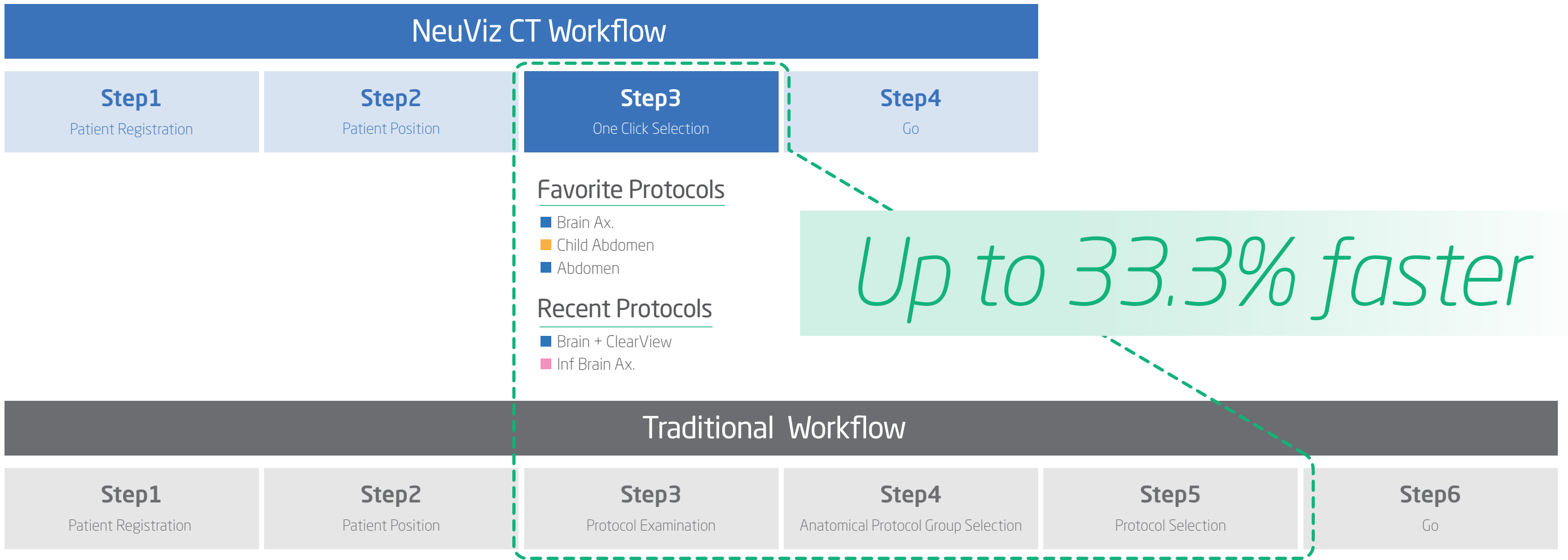
The NeuViz 16 Essence provides the same patient care while simultaneously lowering costs.



Humanized Workflow

Ease Your Daily Work

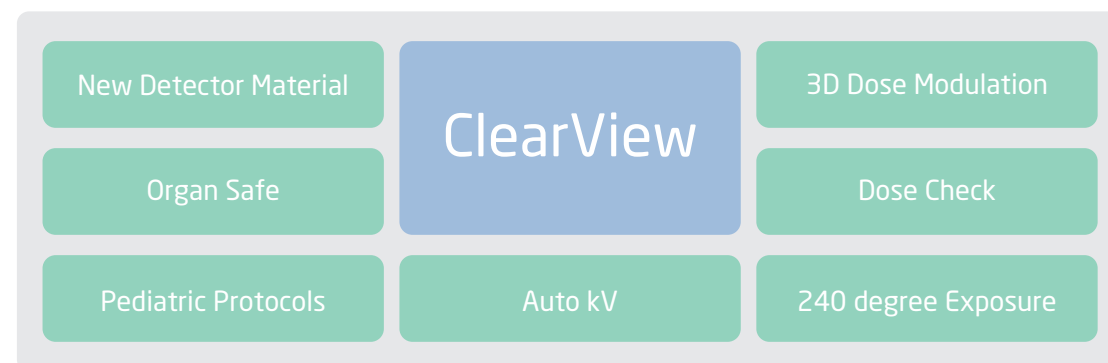
Smart protocol selection can learn which contributes to up to 33% improved work efficiency and greatly reduced human error.



Smart Dose Management

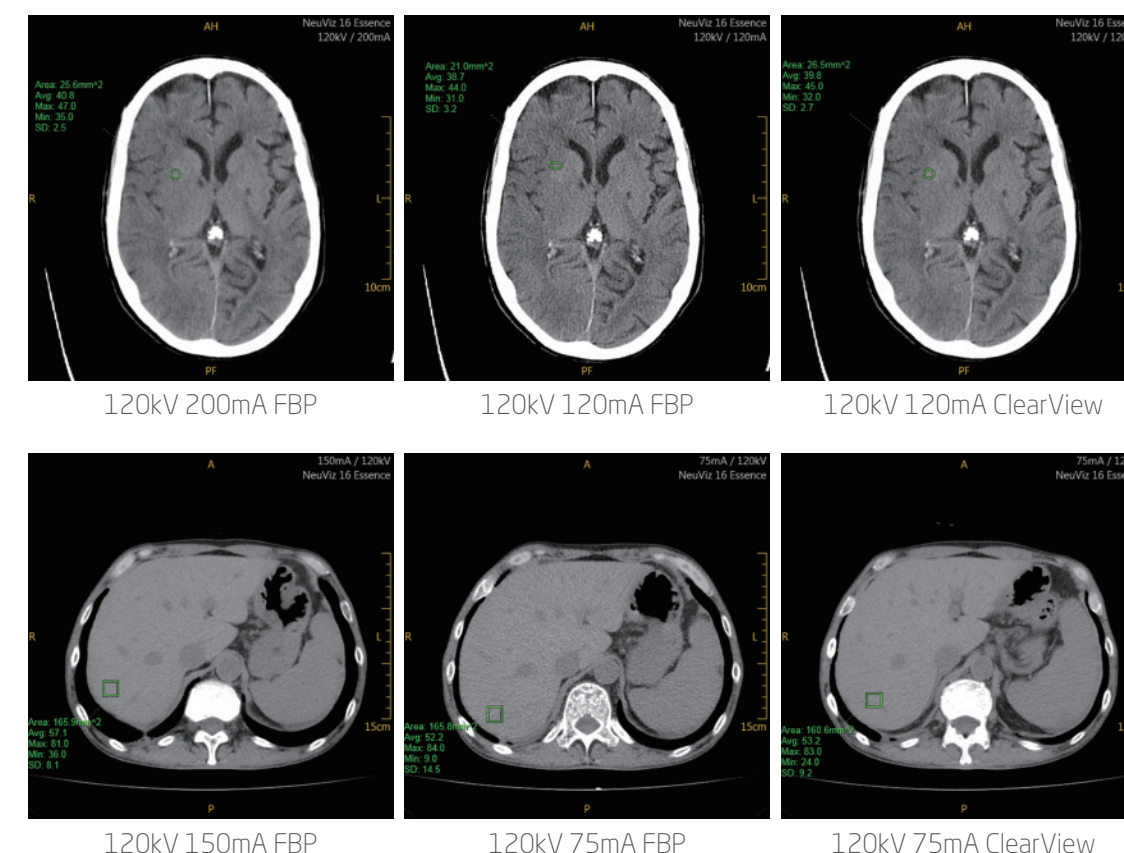
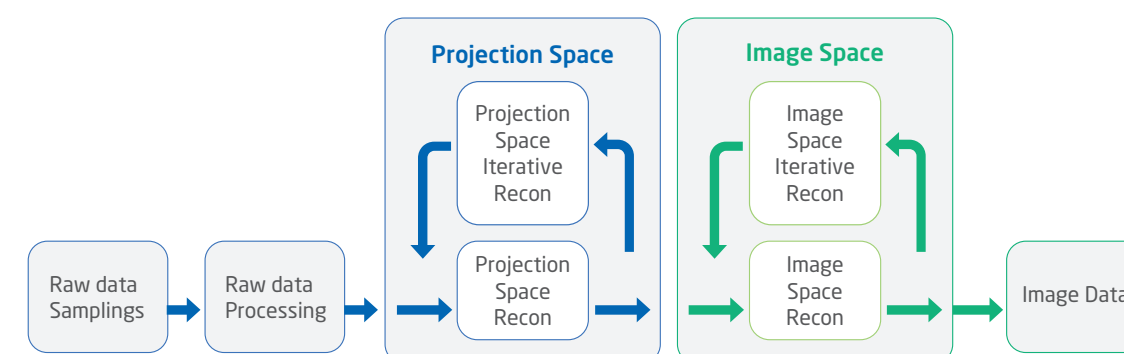
Low Dose Imaging with Diagnostic Certainty

The NeuViz 16 Essence is configured with a full complement of dose reduction tools, insuring the low patient dose possible without compromising image quality, while extending tube lifetime.



ClearView - Advanced Iterative Reconstruction Algorithm

By performing iterative processing in both projection and image spaces, patient dose can be decreased without compromising diagnostic quality.



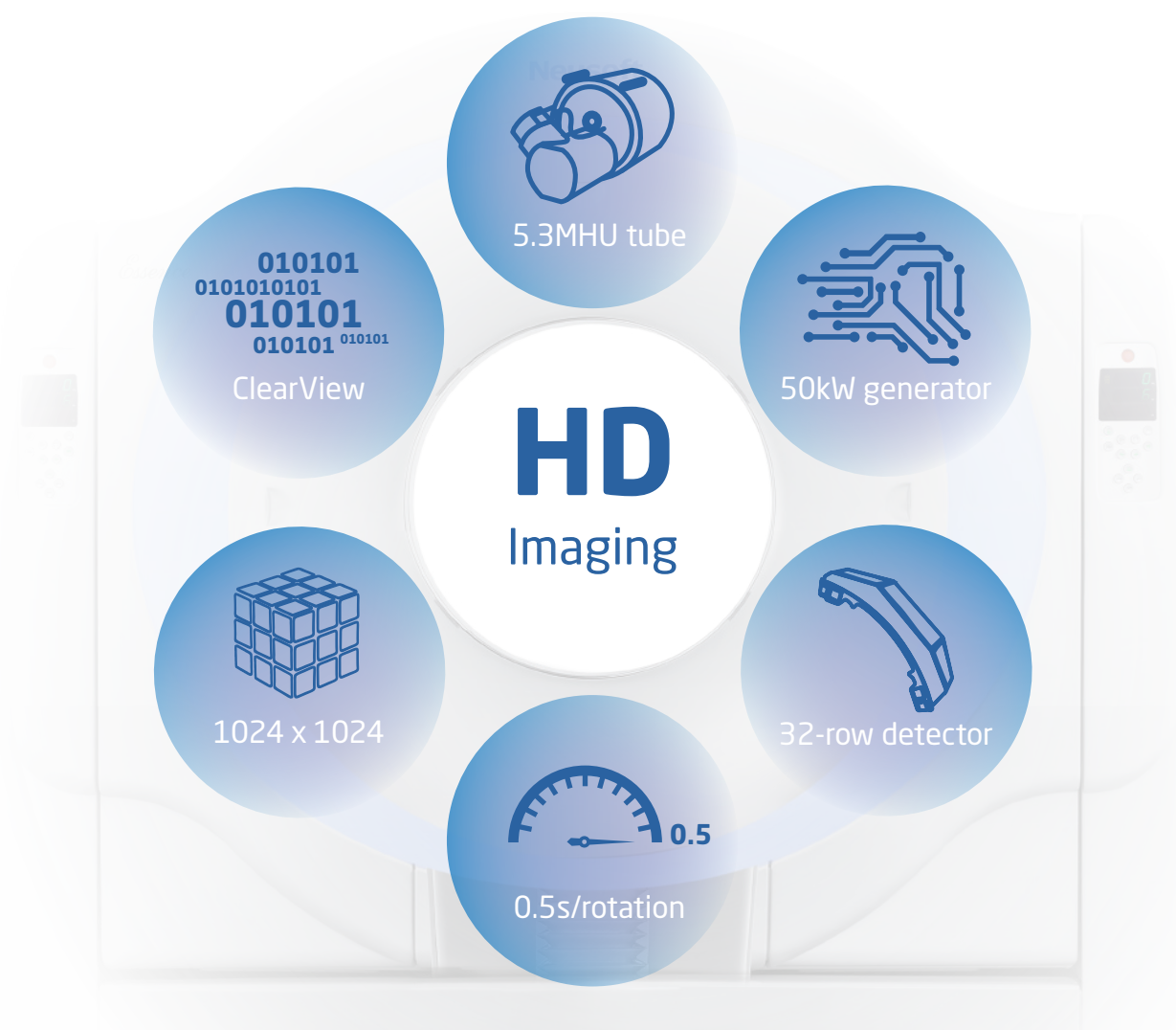
High Definition Imaging

Low Dose Imaging with Diagnostic Certainty

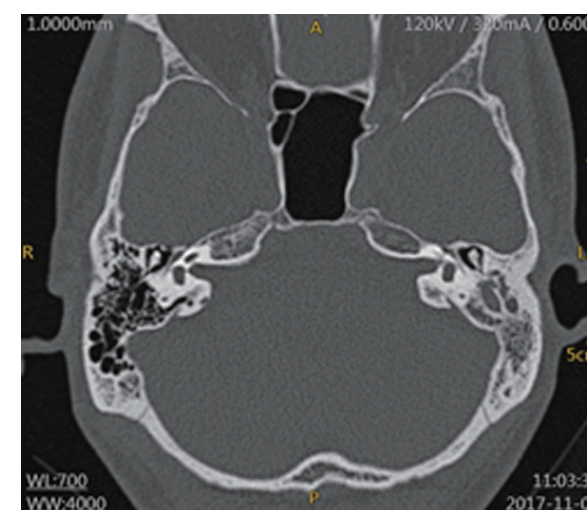
High definition imaging allows improved visualization of small anatomical structures.

This is especially important in areas like lungs and inner ear.

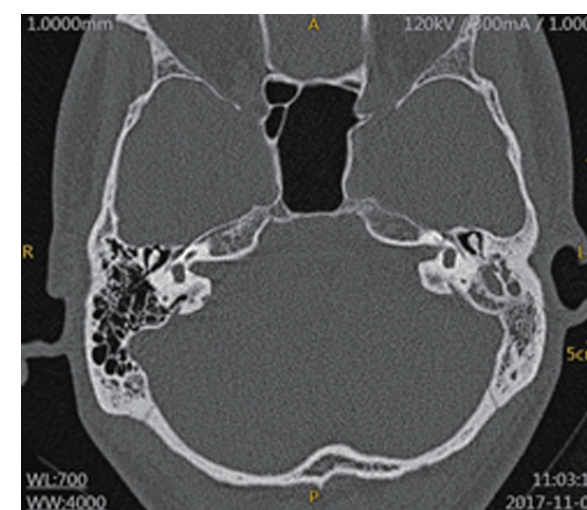
Better visualization can aid in earlier diagnosis and better clinical outcomes.



Inner Ear Images



512 x 512 matrix, inner ear



1024 x 1024 matrix, inner ear



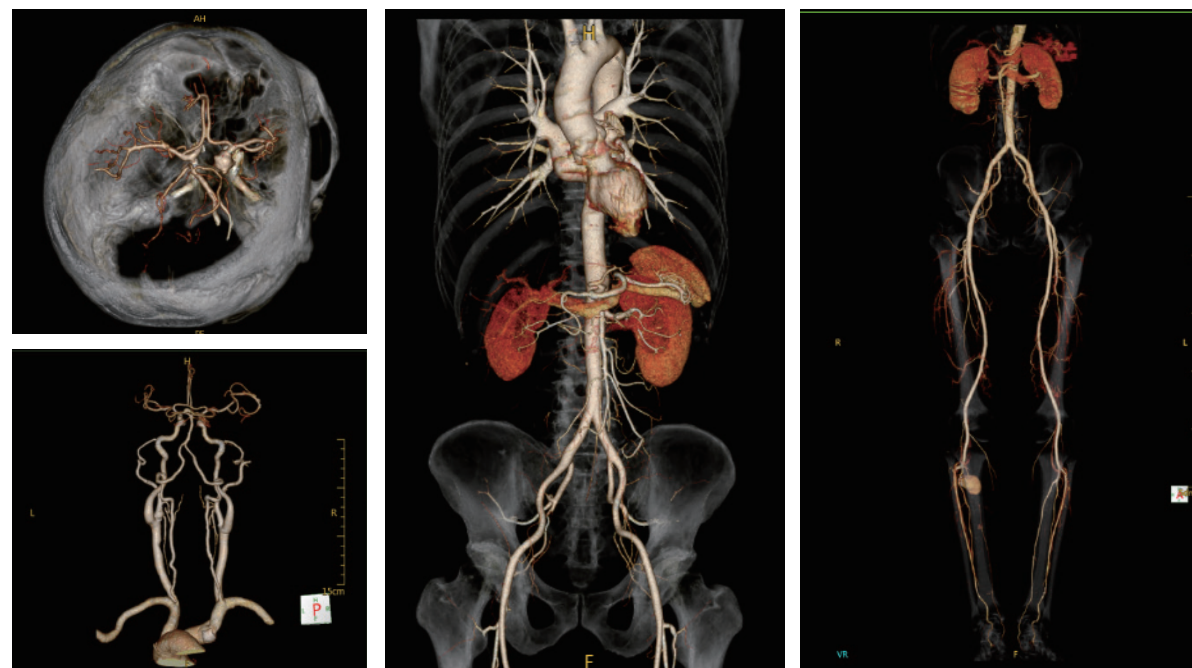
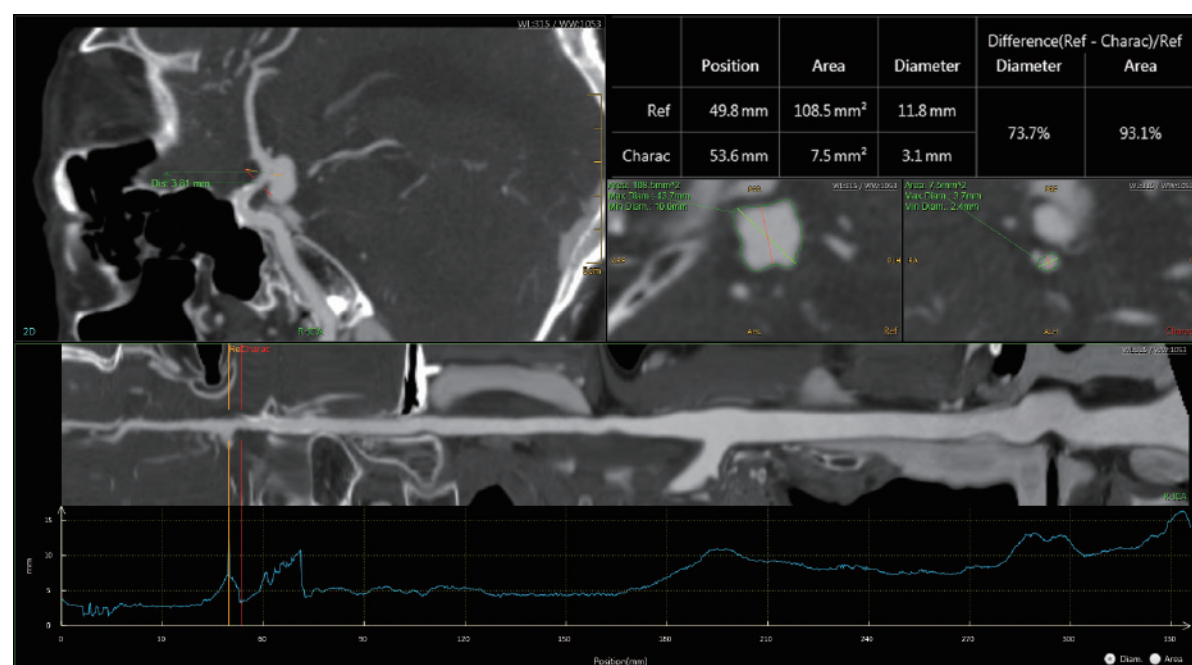
512 x 512 matrix, inner ear



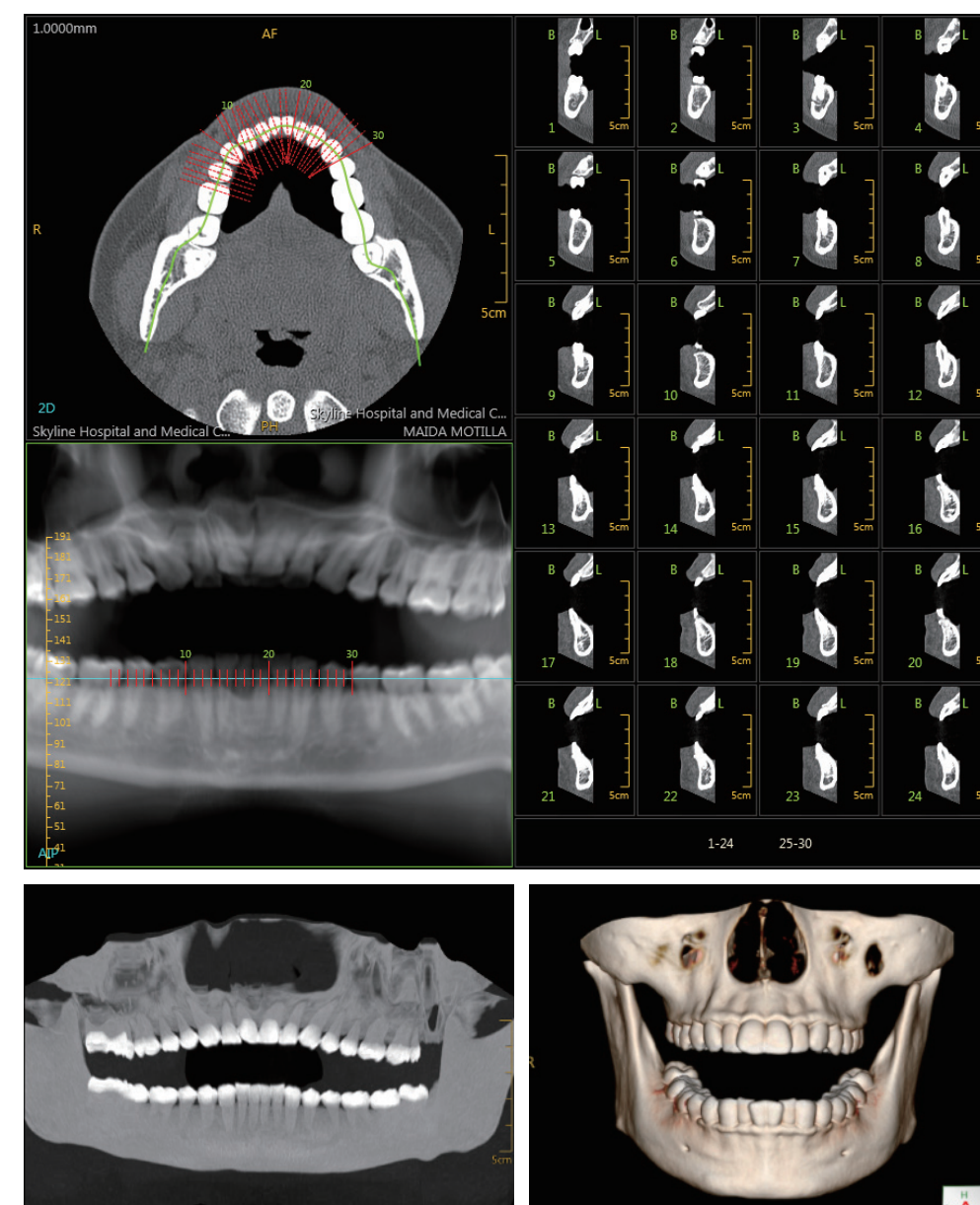
1024 x 1024 matrix, inner ear

Abundant Applications

CT Angiography



Dental

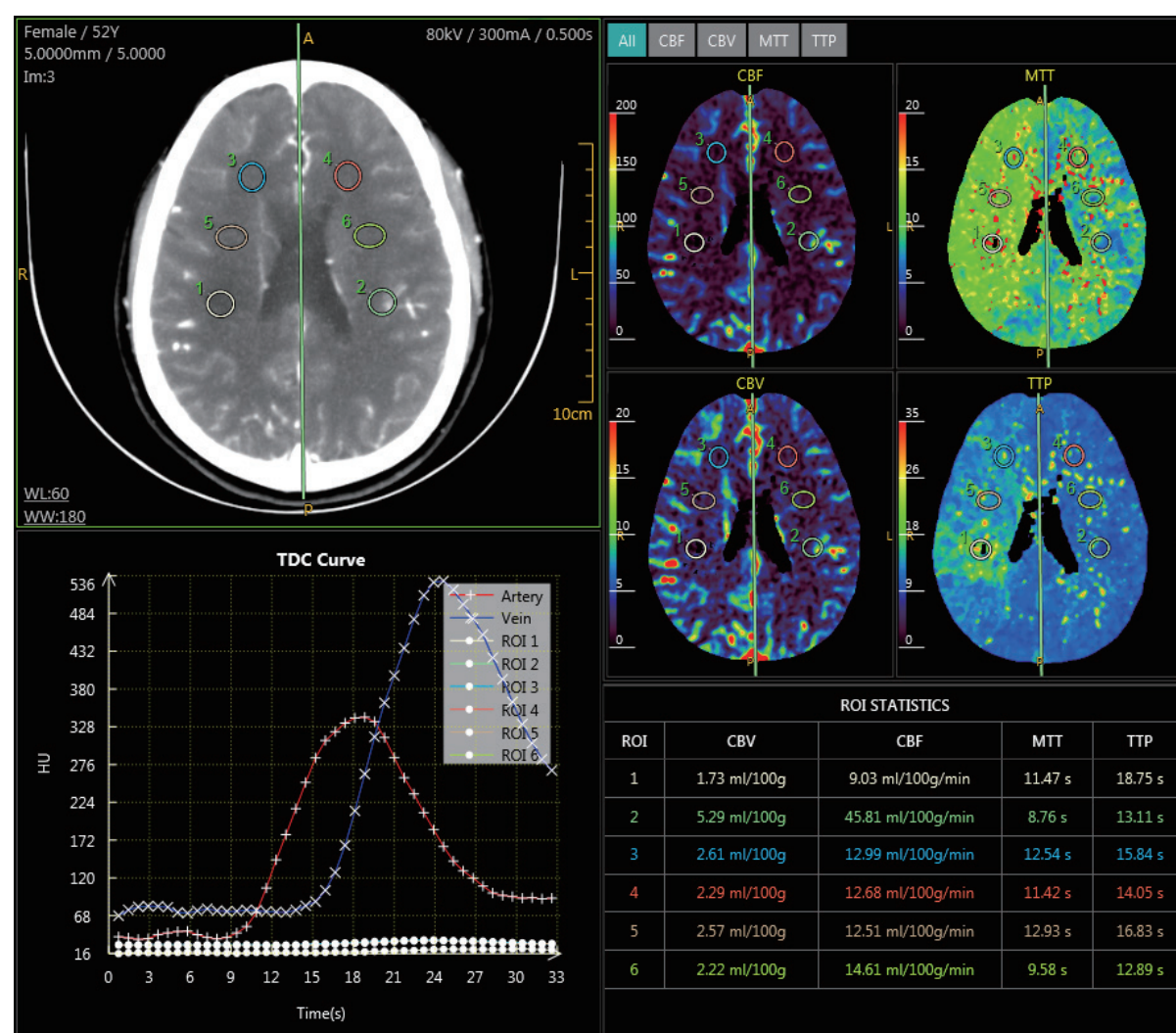


Dental Analysis is designed to assist oral surgeons in planning implantation of prostheses.

- Displays panoramic views;
- Displays cross-sectional planes;
- Films panoramic and cross-sectional images in true size

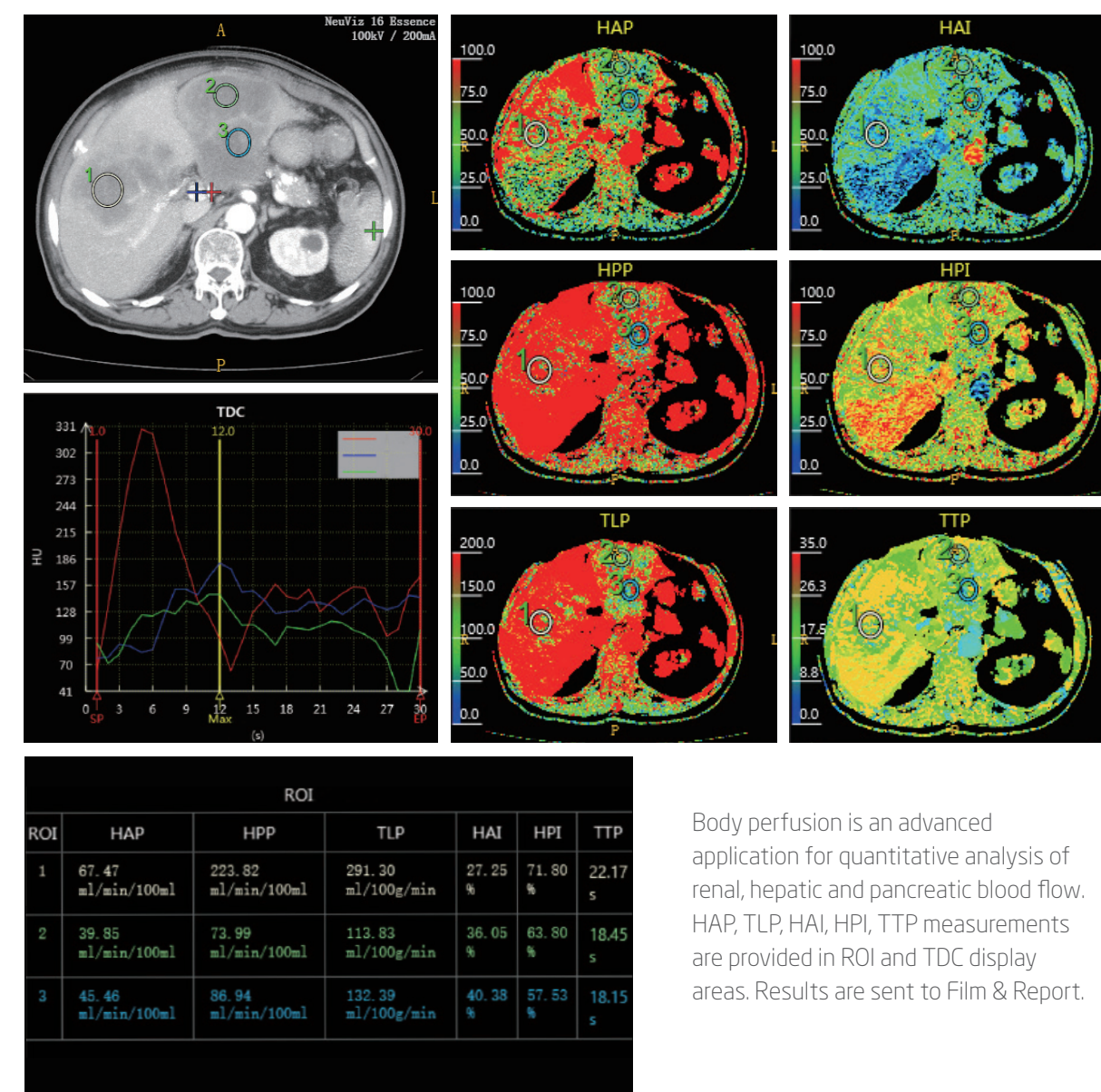
Abundant Applications

Brain Perfusion



Using a dynamic CT for quantitative assessment of cerebral ischemia in acute stroke. CBF, CBV, MTT, TTP measurements provided.

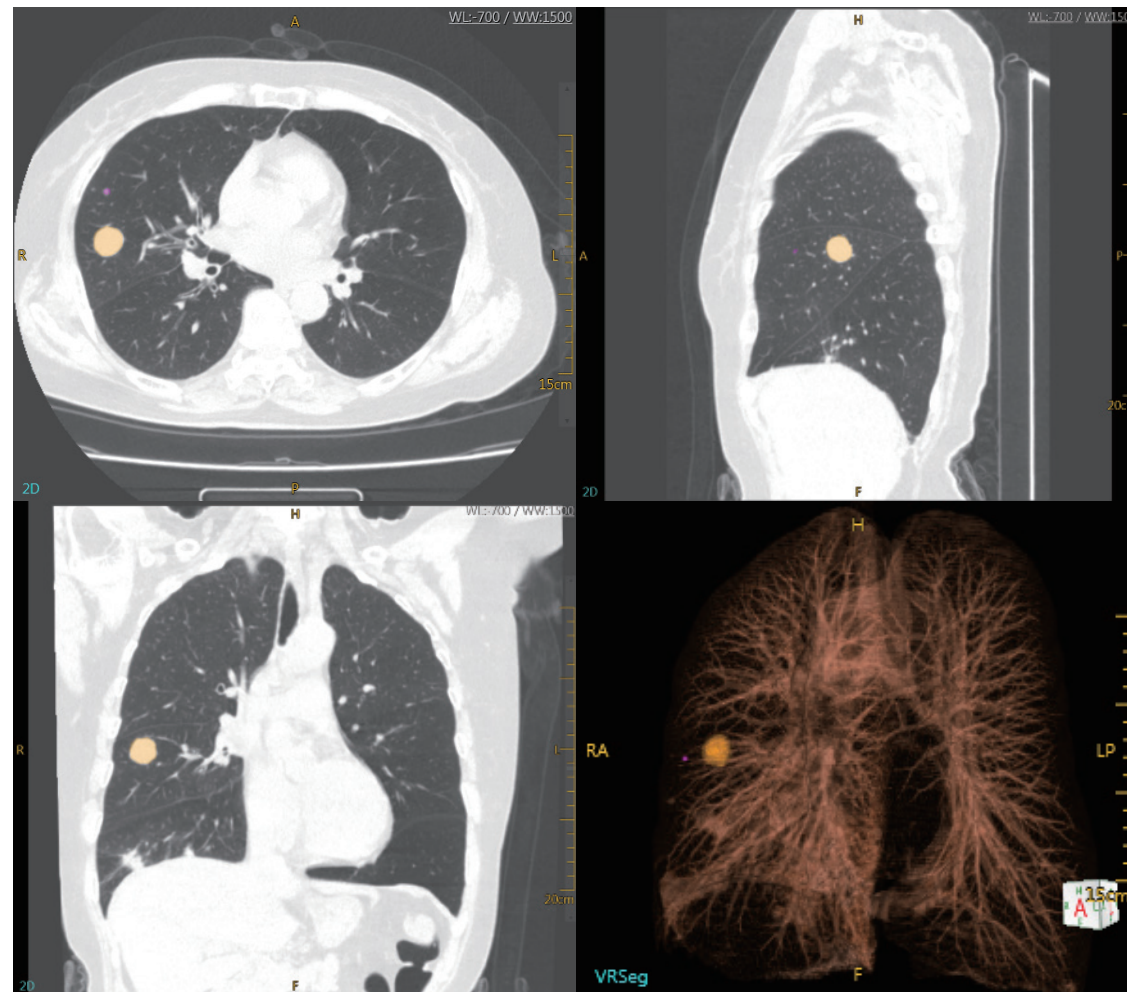
Body Perfusion



Body perfusion is an advanced application for quantitative analysis of renal, hepatic and pancreatic blood flow. HAP, TLP, HAI, HPI, TTP measurements are provided in ROI and TDC display areas. Results are sent to Film & Report.

Abundant Applications

Lung Nodule Analysis



Index	Volume	Avg	Max.Z Diam.	Location	Shape	Border	Comments
1	3800.8mm ³	-98HU	19mm	Right Middle	Oval	Smooth	
2	41mm ³	-471HU	4mm	Right Middle	Oval	Smooth	

The Lung Nodule Analysis assists radiologists with the detection and quantification of pulmonary nodules and lesions.

Single click segmentation with nodule volume calculation. Nodule growth can be tracked over time.

Lung Density Evaluation



Lung Density Evaluation is an automated application that provides quantitative (volumetric) lung emphysema measurements and a visual representation of the diffusion of emphysema.

Auto Lung Segmentation, Emphysema Segmentation, Emphysema Volume Calculation, Lung Volume Histogram.

Service and Logistics Support



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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