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NeuViz 16 Classic

Proven, Cost-effective Performance

NeuViz 16 Classic / V1.7.02

Neusoft[®] Medical
Systems

Premium performance,
industry leading technology at
an AFFORDABLE price!

Development History of 16-slice CT

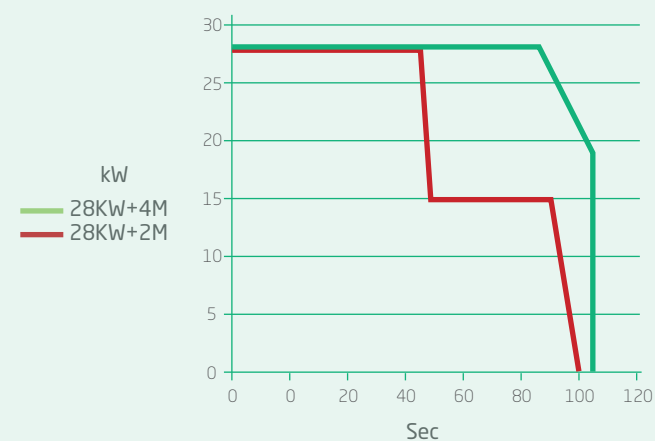
- 2011 Current 16 slice CT market
 - High PRICE/PERFORMANCE ratio
 - Improved dose reduction capabilities
 - Limited scan capability
- 2007 Maturing 16 slice CT market
 - Environmentally focused designed
 - Improved dose reduction capabilities
- 2001 Early 16 slice CT market
 - Cardiac Imaging
 - Dose reduction capabilities



"Effective Tube Power", another benefit of a dose efficient design.

Our advanced technology provides extended scan ranges and the ability to do large patients without tube cooling delays. Extended scan ranges of 4.0MHU tubes as the diagram below:

Powering-time curve



Longer Continuous Scan Times at MAXIMUM POWER RATING

The NeuViz 16 Classic is configured with a 4.0MHU tube. The larger anode heat capacity results in a more stable focal track which reduces both scatter radiation and artifact.

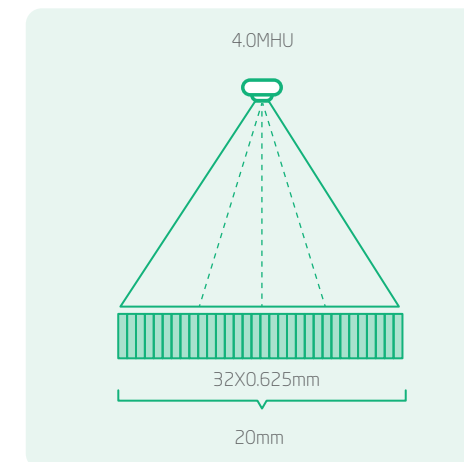
The 4.0MHU configuration allows continuous scanning capability of 90 seconds. These scan times are at MAXIMUM POWER rating.

The ability to perform extended scan ranges at maximum power makes large patient and long anatomical studies possible.



Efficient Detector Design

Minimal detector afterglow allows 2,320 projections to be collected per rotation.
X-ray conversion efficiency of 99.99%

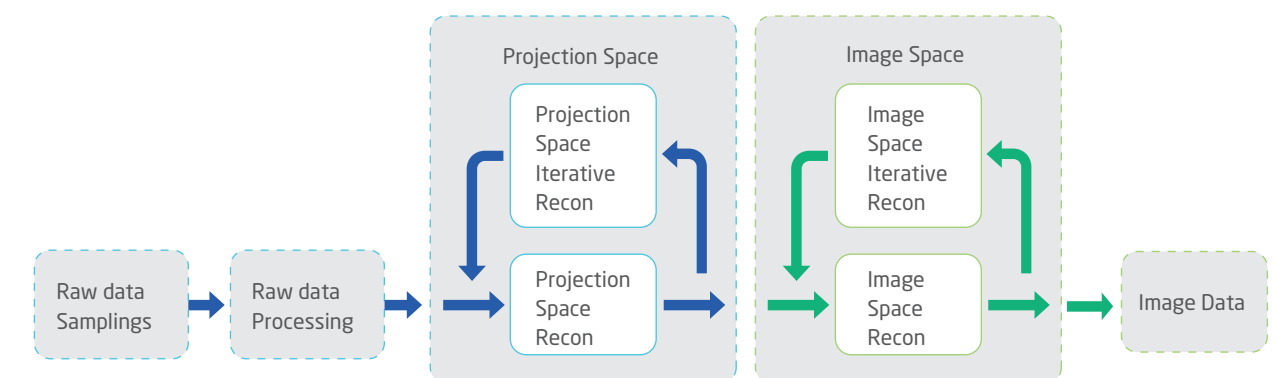


Large sub-millimeter detector coverage

- More detector coverage results in greater anatomical coverage per rotation, decreasing scan time and patient dose.
- Adaptive collimation adjusts to changing scan modes and increasing X-ray efficiency.
- Reducing exam time improves image quality while reducing motion and pulsatory artifacts.

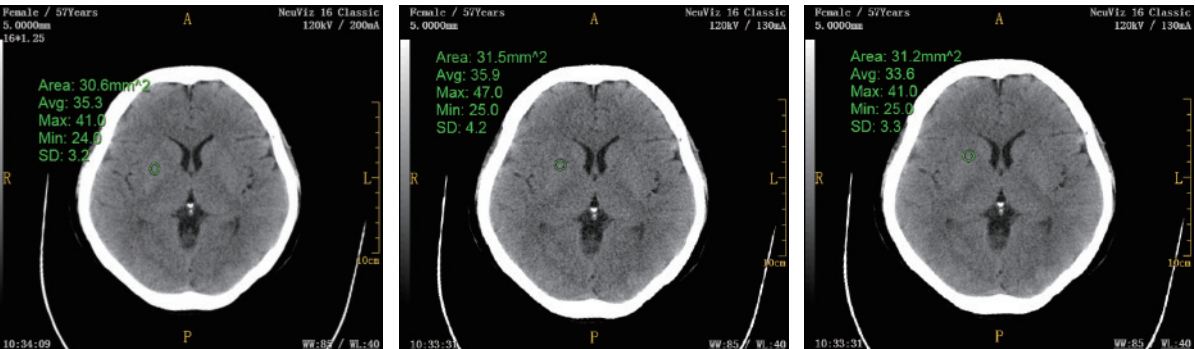
ClearView - Advanced Iterative Reconstruction Algorithm

By performing iterative processing in both projection and image spaces, patient dose can be minimized without a compromise in diagnostic quality.



ClearView Iterative Reconstruction, Low Dose Imaging with Diagnostic Certainty

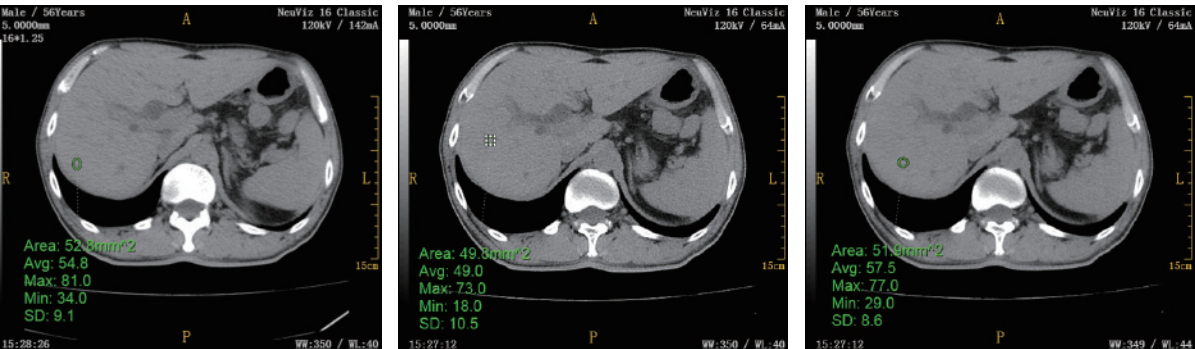
Head: dose decreased by 30%
Abdomen: dose decreased by 50%



120KV 200mA FBP

120KV 130mA FBP

120KV 130mA ClearView



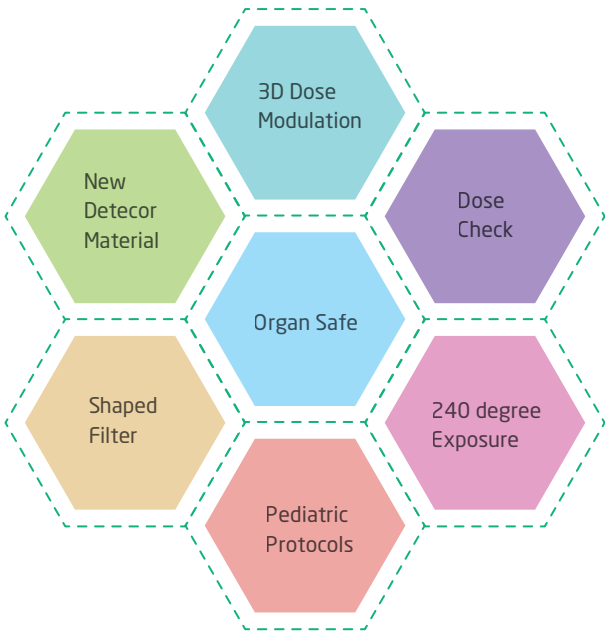
120KV 142mA FBP

120KV 64mA FBP

120KV 64mA ClearView

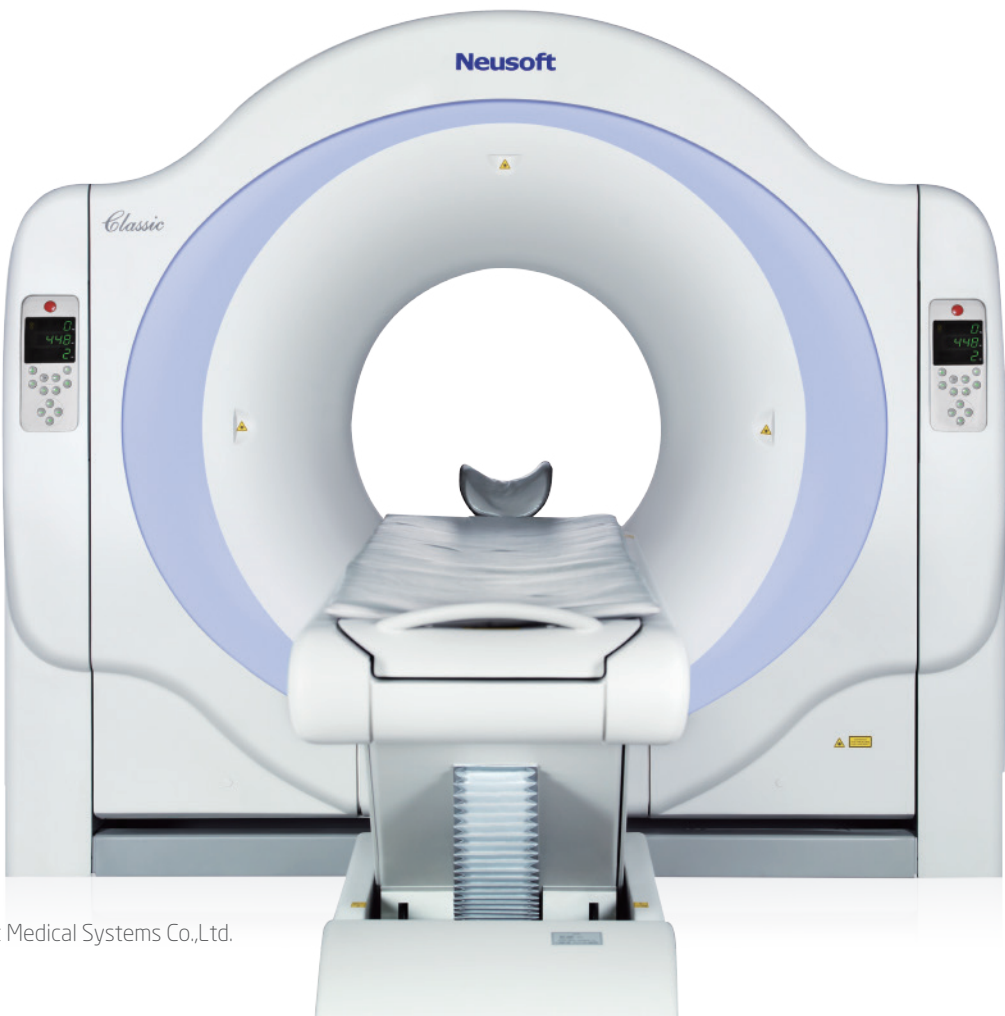
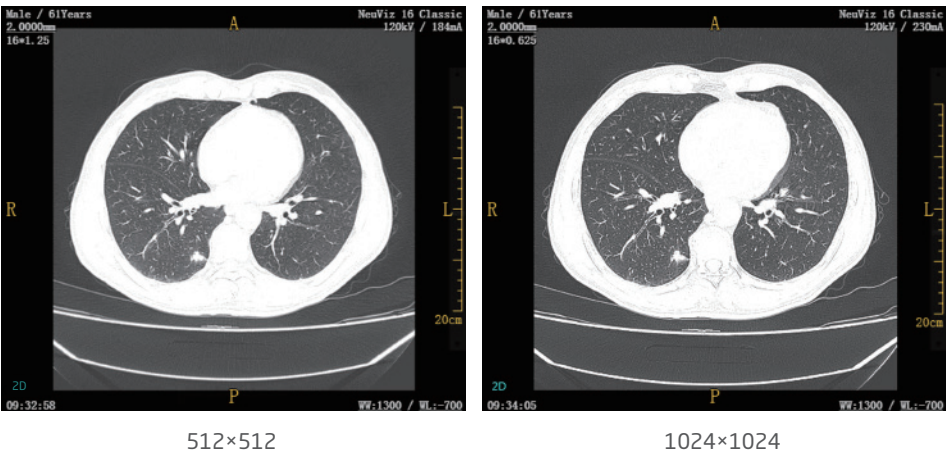
Full Range of Low Dose Solutions

The NeuViz 16 Classic is configured with a full compliment of dose reduction tools. This insures that the lowest patient dose levels are achieved without compromising image quality. Reduced dose also has the benefit of extending tube life.



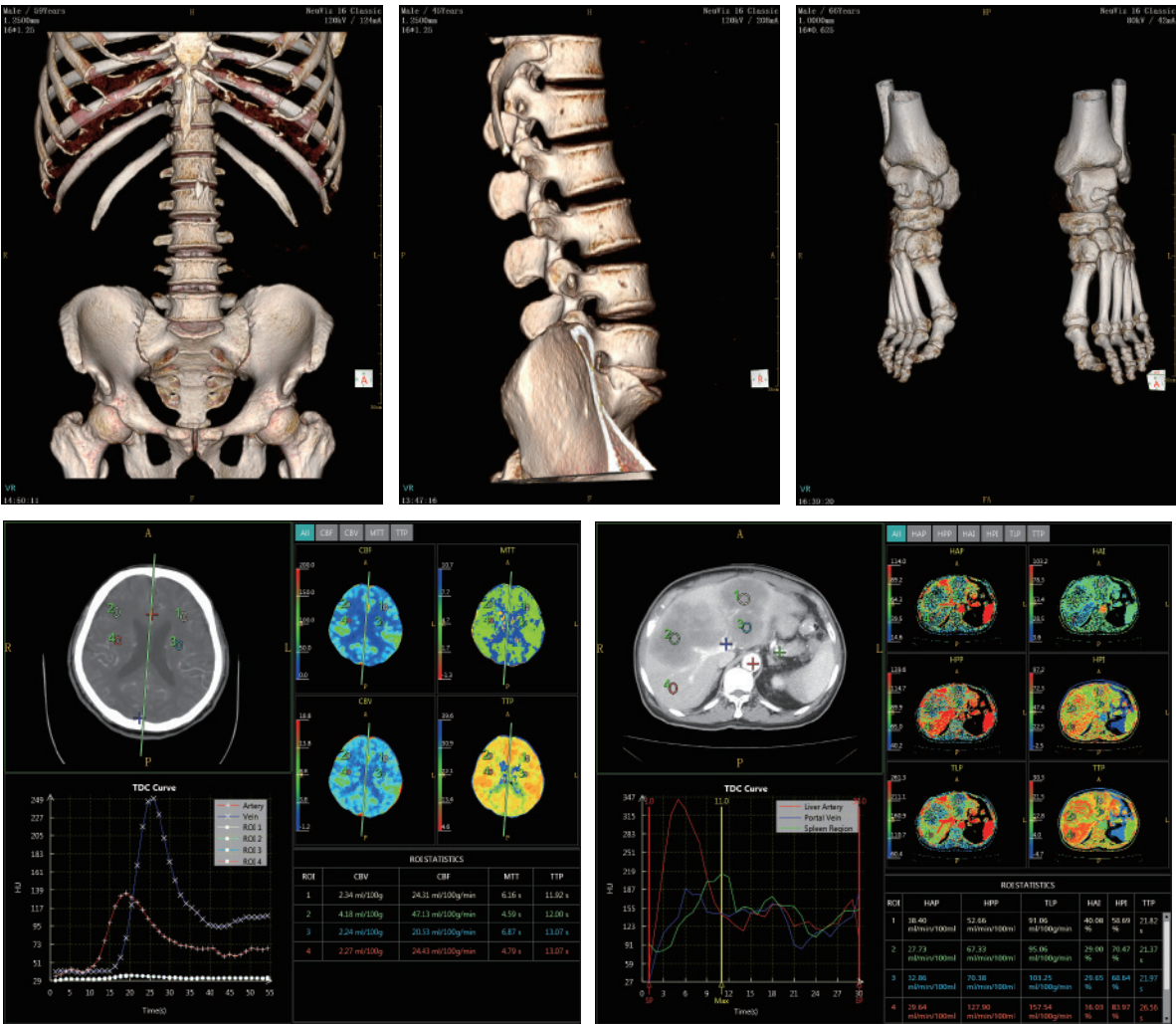
High Definition Imaging (1024x1024 matrix imaging)

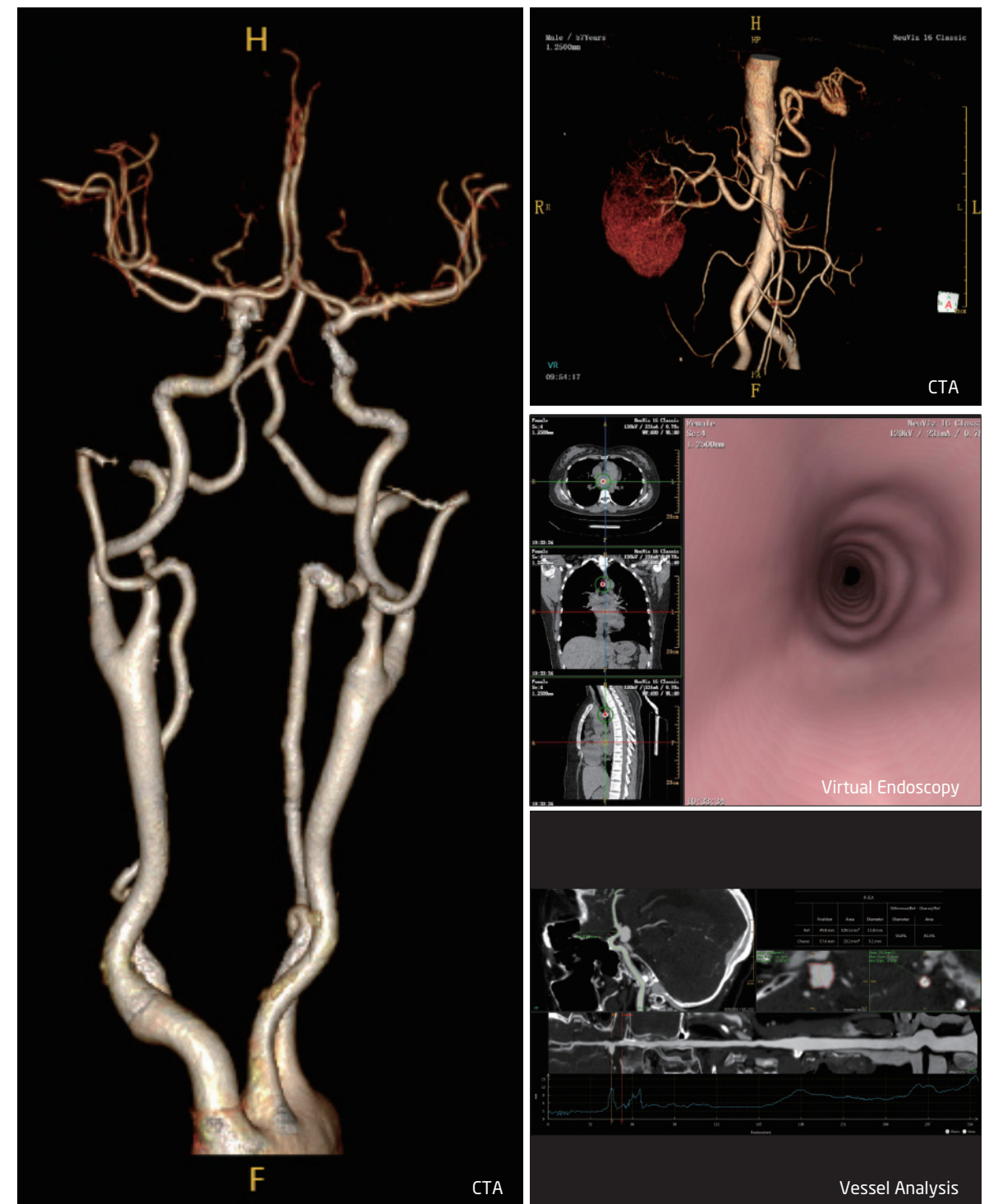
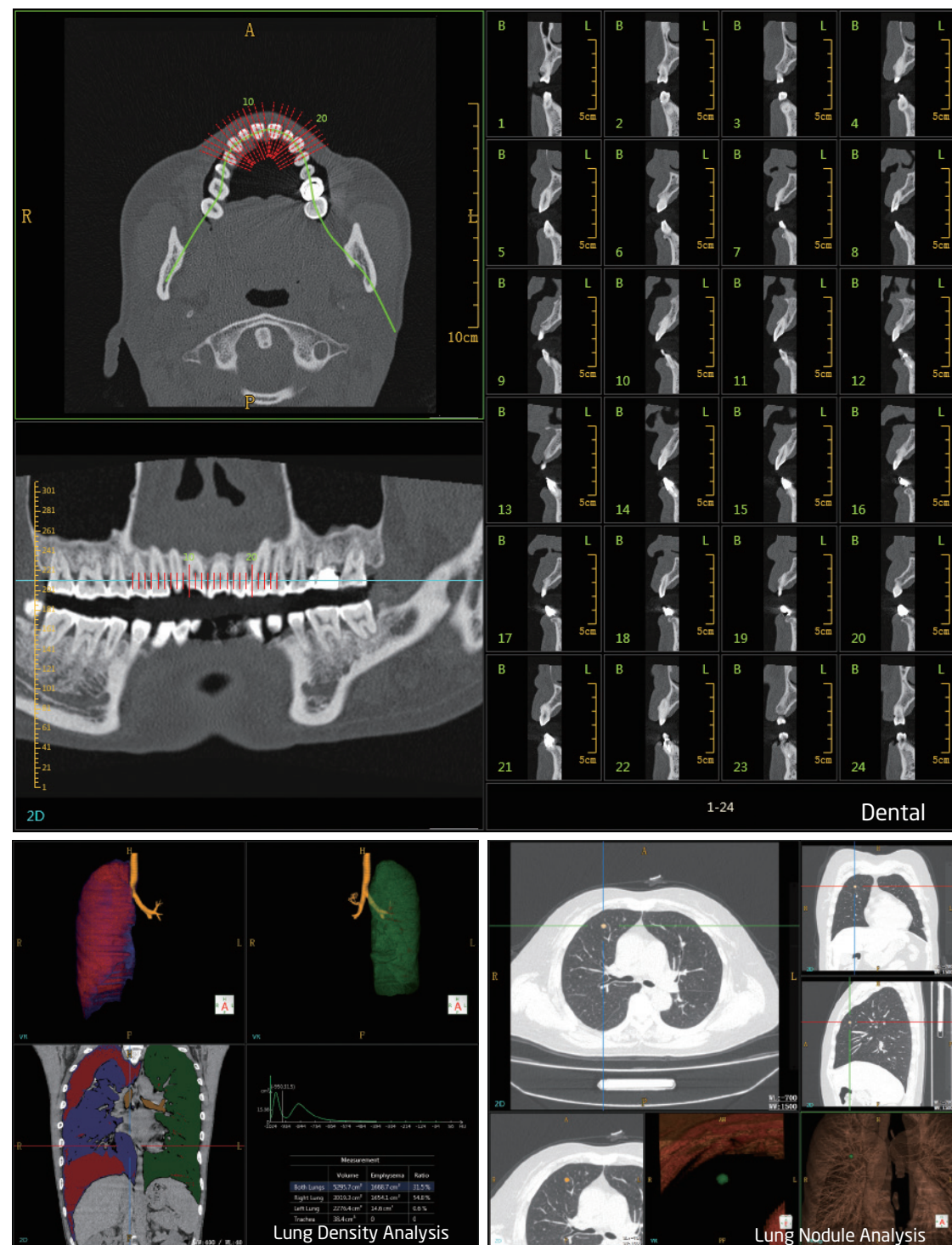
High definition imaging allows improved visualization of small anatomical structures. This is especially important in areas like lungs and inner ear studies . Better visualization can aid in earlier diagnosis and better clinical outcomes.



Powerful Post Processing Applications Capabilities

The NeuViz 16 Classic is capable of performing a full array of advanced imaging and post processing techniques. A single patient study can be post processed to view disease processes or anatomical regions in multiple ways. All applications are designed to use minimal “key strokes” making them easier to learn and use.





Service And Logistics Support

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Neusoft Global Service & Logistics Network



support service, after the sale!

- Remote diagnostic capabilities bringing Neusoft expertise to you IMMEDIATELY, no matter where you are!
- Identifying and correcting prompt PROAVTIVELY, minimizing downtime and patient inconvenience.
- Global logistics network, prompt response regarding parts and supplies.

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Not available in N.A.