

Angiography

Imaging plays an integral role during interventional radiology procedures. The interventionalist relies on high quality images to clearly visualize the target and the surrounding vital tissues.

Enhanced Image Quality for Interventional Radiology

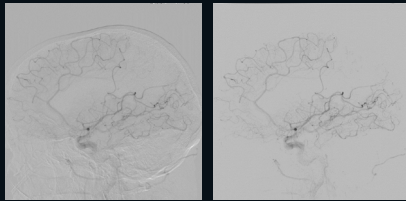


"One of the most pleasant surprises with the Alphenix system is the **Needle Guidance software**...It improves the safety of the care we provide; it improves the efficiency of the care we provide. And **lets us go after lesions and treat things that historically we would not have been able to treat** with a traditional Biplane unit."¹

— C. Matthew Hawkins, MD
Director of Pediatric
Interventional Radiology
Children's Healthcare of Atlanta,
Atlanta, GA

Image resolution for tomorrow's intervention

Real-time Auto Pixel Shift (RAPS)



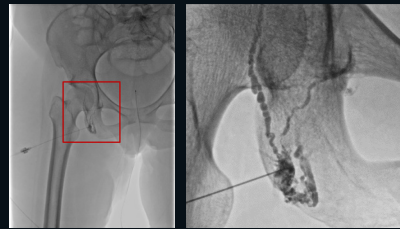
RAPS Off

RAPS On

Correct misalignment between the contrast image and mask image

- The correction result is applied automatically in real-time
- No display latency

High Definition Detector²



Standard FOV

True High Definition FOV

2 flat panel detectors combined into one:

- Industry standard pixel size, enabling the operator to provide high quality images at low dose
- 76-micron pixel, with more than twice the spatial resolution of conventional flat panel detectors³

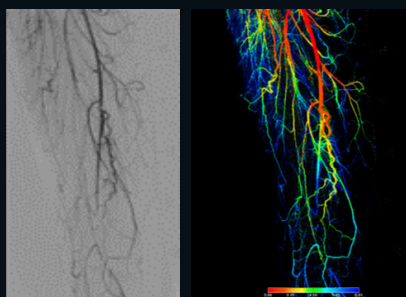
Dynamic Trace



Digital acquisition method used in a panning mode

- Reduces the effects of the bones and enhances background compression to emphasize the blood vessels

Parametric Imaging (PI)

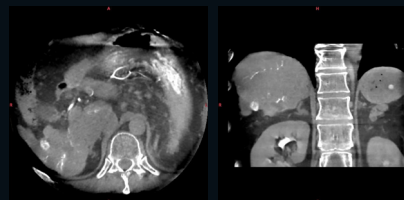


DSA

PI

Display an entire image sequence as a single composite DSA image that is color-coded in order to characterize the contrast media dynamics and allows easier visual evaluation.

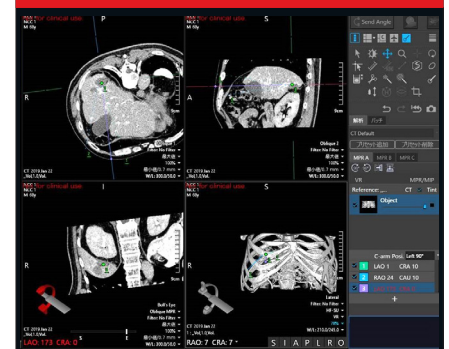
Alpha CT⁴



Supports visualization of anatomy or pathology during interventional procedures

- CT-like imaging (Cone Beam CT)

Needle Guidance⁴



Navigate with confidence and accuracy

- Enables positioning of the C-arm to the optimum viewing position
- Displays the skin entry point and a puncture guideline on live fluoro

¹The clinical results, performance and views described are the experience of the clinicians. Results may vary due to clinical setting, patient presentation and other factors

²Only optionally available on the Alphenix Core+ with 12"x12" & 12"x16" FPD, Alphenix Biplane with 12"x12" & 12"x16" FPD, Alphenix Sky+ with 12"x16" FPD, Alphenix 4D CT Sky+ Aquilion Prime SP with 12"x16" FPD, and Alphenix 4D CT Sky+ Aquilion ONE / GENESIS Edition with 12"x16" FPD.

³Documented testing has demonstrated imaging capabilities with up to 2.5x greater resolution

⁴Optional

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