

Angiography

Each minute costs the brain **1.9 million neurons**.¹

Fast, detailed, intelligent brain imaging and diagnostics are needed for **stroke assessment and triage** to improve patient outcomes.

Confident and Capable Stroke Management

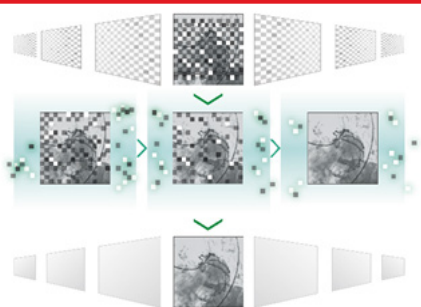
"We see this as a major opportunity to improve outcomes for our patients. We think that patient center of care is going to benefit all around and the key to that is getting to our stroke patients as quickly as possible."²

— *Dr. Jason Davies*
Assistant Professor
of Neurosurgery and
Biomedical Informatics
Research Director
Jacobs Institute



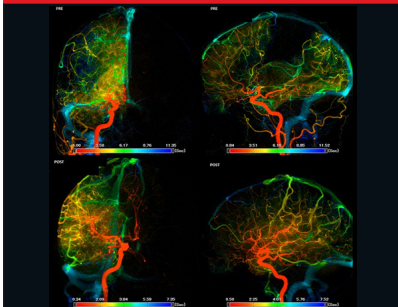
Intelligent angiography technology and imaging applications for efficient stroke care planning

Optimize IQ with ImagingRite



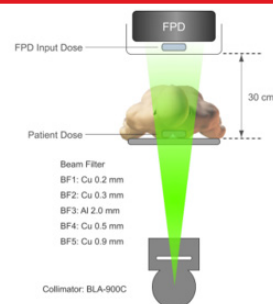
- Advanced image processing
 - Reduces background noise
 - Enhances features
- Analyzes and processes each frame in real-time

Parametric Imaging^{3,4}



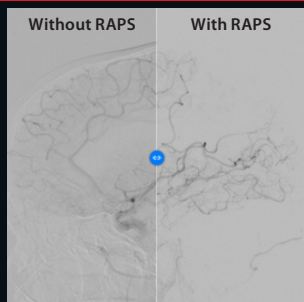
- Video playback with Color Coded Circulation
- Entire image sequence as a single composite image
- Color coded to characterize contrast media dynamic and allow easier visual evaluation

Auto Beam Filtration



- Procedure specific optimization of dose and image quality
- Auto selection of up to five beam filters
- Based on calculated patient thickness and distance

Real-time Auto Pixel Shift (RAPS)



- Corrects misalignment between contrast image and mask image during DSA acquisition
- Correction results are applied to DSA image in real-time

High Definition Detector⁵



Carotid Stenting – Frontal (3" Hi-Def Zoom)



Aneurysm Stenting – Lateral (1.5" Hi-Def Zoom)

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 detectors⁶

¹ Source: CDC, NCHS. Underlying Cause of Death 1999-2013 on CDC WONDER Online Database, released 2015

² The clinical results, performance and views described are the experience of the clinicians. Results may vary due to clinical setting, patient presentation and other factors

³ Optional

⁴ Parametric Imaging software is not intended for stand-alone use or diagnosis

⁵ Only 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" FPDs

⁶ Documented testing has demonstrated imaging capabilities with up to 2.5x greater resolution

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