Canon
CANON MEDICAL

Angiography

High quality visualization of the anatomy is of great significance during diagnosis and treatment of Coronary Artery Disease (CAD).

Image artifacts may hide or mimic pathological conditions.

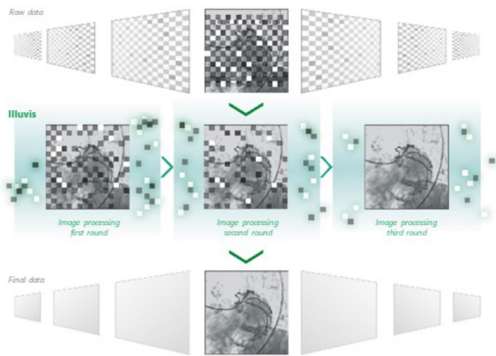## Enable Confident Diagnosis for Cardiology

"The Alphenix is a system with unique features to minimize radiation dose and improve visualization. **It's a system made for physicians.**"[1]

— Salman A. Arain, MD, FACC
McGovern Medical School at UTHealth
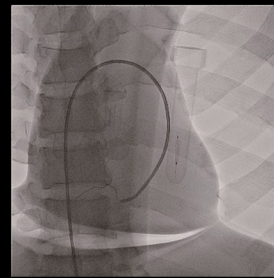*Houston, Texas*

Image resolution for tomorrow's interventions

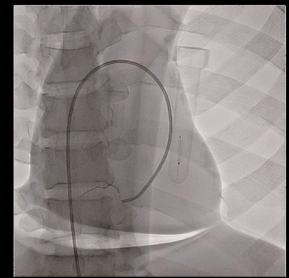## Optimize IQ with ImagingRite

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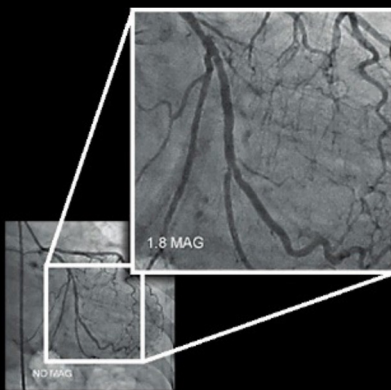- Analyzes and processes each frame in real-time

ROI Control

Conventional Processing   **ROI Control**

- Automatically senses excessively bright and excessively dark areas in the ROI
- Calculates the appropriate X-ray conditions

Dose optimization tools with DoseRite

1.8 MAG

NO MAG

- Digitally increase image size without Field Of View magnification in real-time during fluoroscopy and acquisition
- Reposition the Region Of Interest with zero dose to the patient
- Store acquired fluoroscopic images

High Definition Detector[2]

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 detectors[3]

[1] 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
[2] 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 and Alphenix 4D CT Sky+ Aquilion ONE / GENESIS Edition with 12"x16" FPD and Alphenix 4DCT Sky+ Aquilion Prime SP with 12"x16" FPD.
[3] Documented testing has demonstrated imaging capabilities with up to 2.5x greater resolution.

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