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Angiography

The increase of variety, frequency and complexity of fluoroscopically guided interventional procedures pose many challenges for radiation protection of patients and staff.[1]

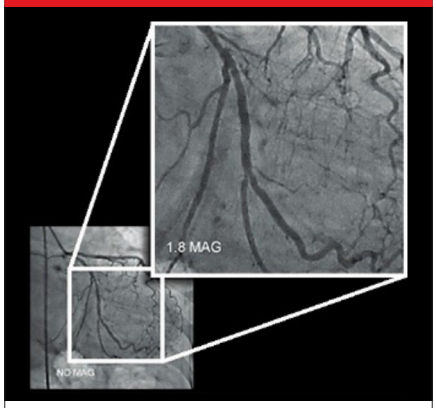
Leadership in dose optimization tools for Interventional Radiology

"One of the nice surprises of the Alphenix is **the doses that we're able to achieve**. The lower the dose, always the better."[2]

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

Comprehensive dose management with DoseRite

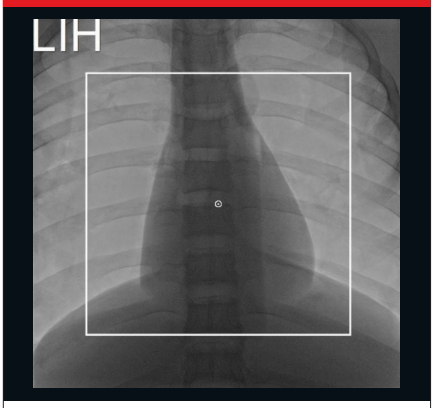
Live Zoom



Offering potential dose savings compared to traditional field of view magnifications

- Digitally increase image size in real-time during fluoroscopy and acquisition

Virtual Position



Reposition the region of interest with zero dose to the patient:

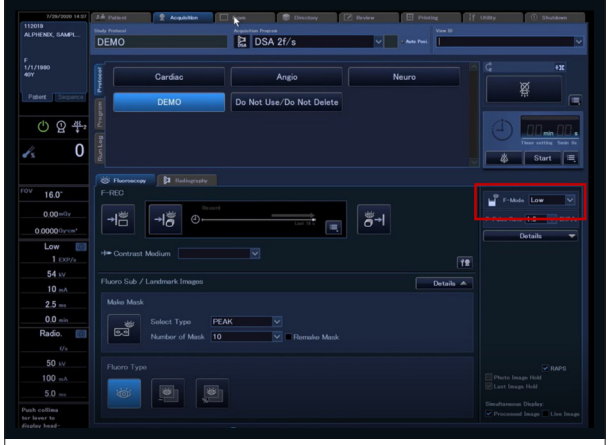
- Using a frame and "Bulls eye" displayed on the fluoroscopy image on the monitor
- Without additional fluoroscopy

Fluoro Store

Can reduce the need to perform a digital acquisition:

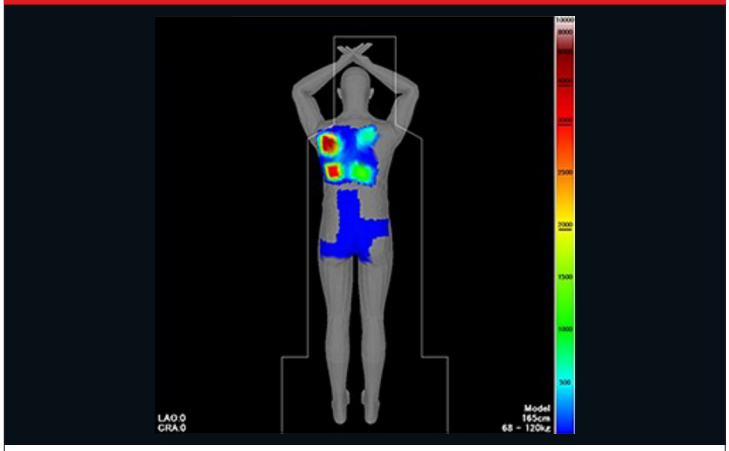
- Store up to 60 seconds of acquired fluoroscopy images, after fluoroscopy is completed

Fluoro modes



Variable dose modes to pre-programmed combinations of pulse rate, dose level and image processing parameters

Dose Tracking System[3]



Enhanced dose awareness:

- Provides estimated skin dose in real-time.
- Displayed as a 3D color map on a realistic patient graphic
- This data can be used to exclude regions of previous high exposure both during and in subsequent procedures

[1]Summary of the IAEA Technical Meeting on Radiation Protection in Fluoroscopically Guided Interventional Procedures, 7-9 March 2022
[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

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