

## Computed Tomography

Interventional Oncology procedures have unique and evolving challenges that require real-time, high-quality images while maintaining low radiation doses.

**Image Quality Enhanced for your Intervention**

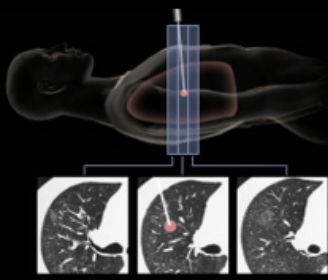
"We found the CT fluoro **imaging quality** of the Canon CT system **much more superior** to the other CT systems we have."<sup>1</sup>

— *Bela Kis, MD, PhD*  
*Diagnostic Imaging and*  
*Interventional Radiology*  
*Moffitt Cancer Center,*  
*Tampa, Florida*



# A better balance between IQ and dose

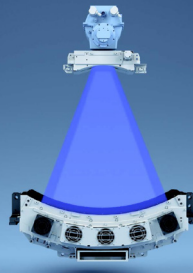
## CT Fluoroscopy<sup>2</sup>



Real-time access to high quality, low dose images with:

- AIDR 3D, Canon Medical's integrated dose reduction
- Organ Effective Modulation to reduce dose to radiosensitive organs for the patient and the operator during CT Fluoro
- Multiple scan modes available: Continuous, One Shot, Volume One Shot

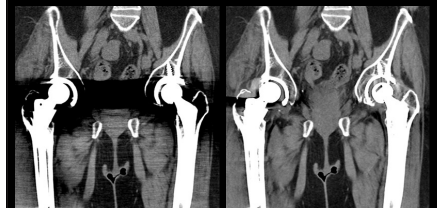
## PUREVision Optics & Detector<sup>2</sup>



Supports improved image quality:

- Improve low contrast detectability at equivalent dose and reduces beam hardening artifacts
- Advanced detector technology with true 0.5 mm slice resolution and noise reduction at all dose levels

## Single Energy Metal Artifact Reduction (SEMAR)<sup>2</sup>



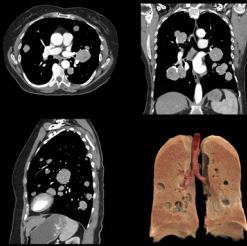
SEMAR OFF

SEMAR ON

Improving visualization of soft tissue and adjacent structures when metal is present:

- Automated metal artifact reduction
- No dose penalty
- Compatible with AI-powered reconstruction

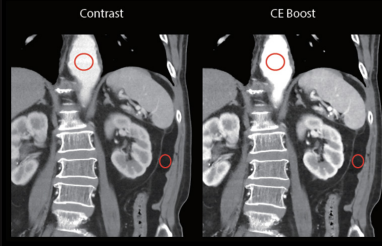
## Advanced Intelligent Clear-IQ Engine (AiCE)<sup>2</sup>



Confidently contour regions of interest, improve diagnostic confidence and procedure planning:

- Trained to differentiate signal from noise
- Delivers sharp, clear and distinct images at fast speeds
- Improved low-contrast detectability, noise and spatial resolution<sup>3</sup>
- Easy workflow

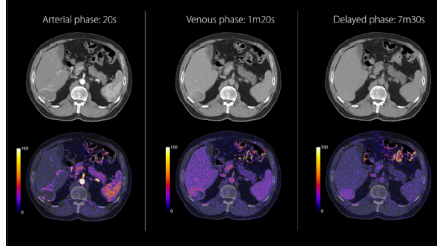
## Virtual Contrast Boost<sup>2</sup>



Maximizing contrast visualization:

- A virtual boost of contrast-enhanced signal for free
- Improved visualization of contrast enhanced anatomy

## SURESubtraction<sup>2</sup>



Outstanding lesion visualization:

- Automated iodine mapping to visualize local differences in contrast enhancement and display local iodine concentration
- Automated bone subtraction
- Routine with any multi-phase protocol
- Zero-click workflow

<sup>1</sup> 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.

<sup>2</sup> Optional

<sup>3</sup> Relative to hybrid iterative reconstruction

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