

Intelligent **NR**

DEEP LEARNING
for Dynamic Imaging



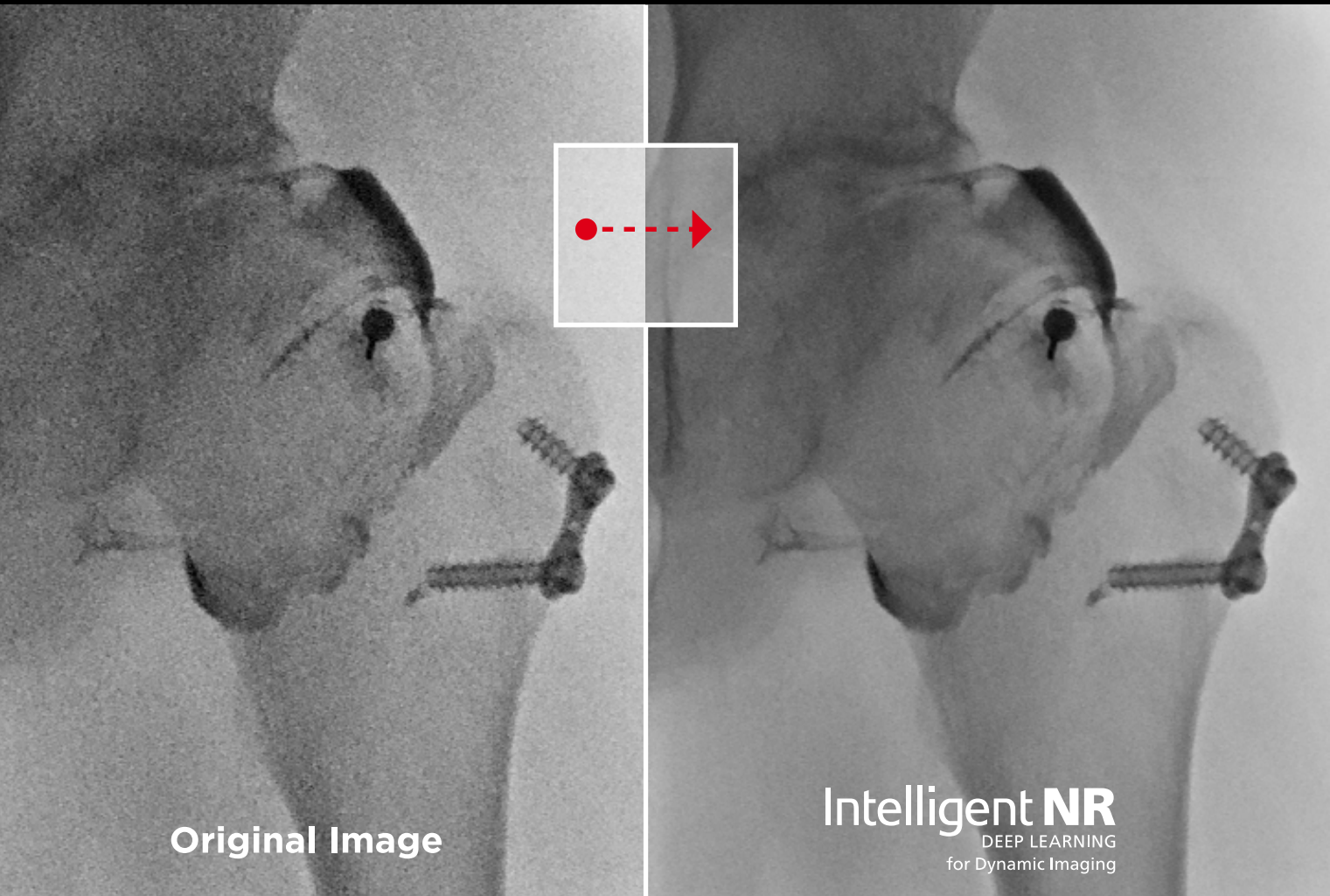
Canon's AI image processing option that uses an algorithm based on deep-learning to read and eliminate noise on DYNAMIC clinical images.

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Intelligent Noise Reduction for Dynamic Imaging

Intelligent NR for Dynamic Imaging delivers high quality diagnostic fluoroscopy images by reducing noise in real time. By reducing noise, Intelligent NR for Dynamic Imaging creates potential for dose reduction while preserving image quality and prioritizing patient and user safety.



Efficacy

Intelligent Noise Reduction for Dynamic Imaging utilizes an advanced deep learning technology tailored to train a convolutional neural network with an extensive image database.*

This innovative approach analyzes spatial and temporal data to reduce noise characteristics inherent in fluoroscopic image signals, significantly enhancing image quality and creating potential for dose reduction.

*The AI techniques are used at the design stage of noise reduction, without incorporating any self-learning or adaptive features within the system.

Visible Results



Performance

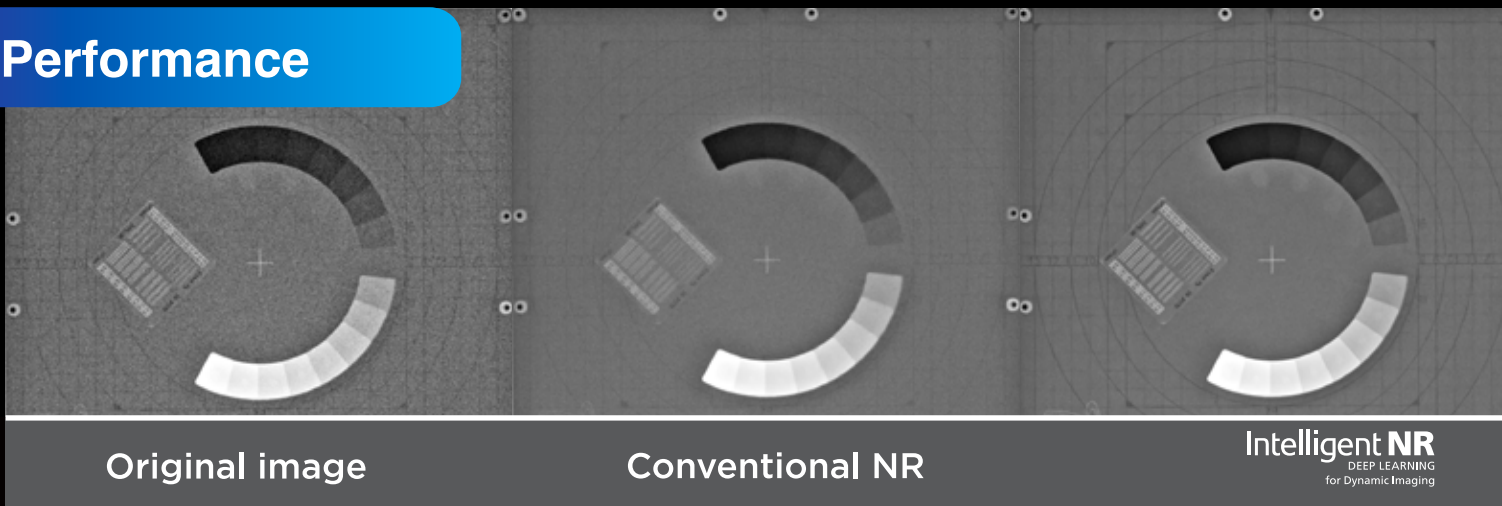
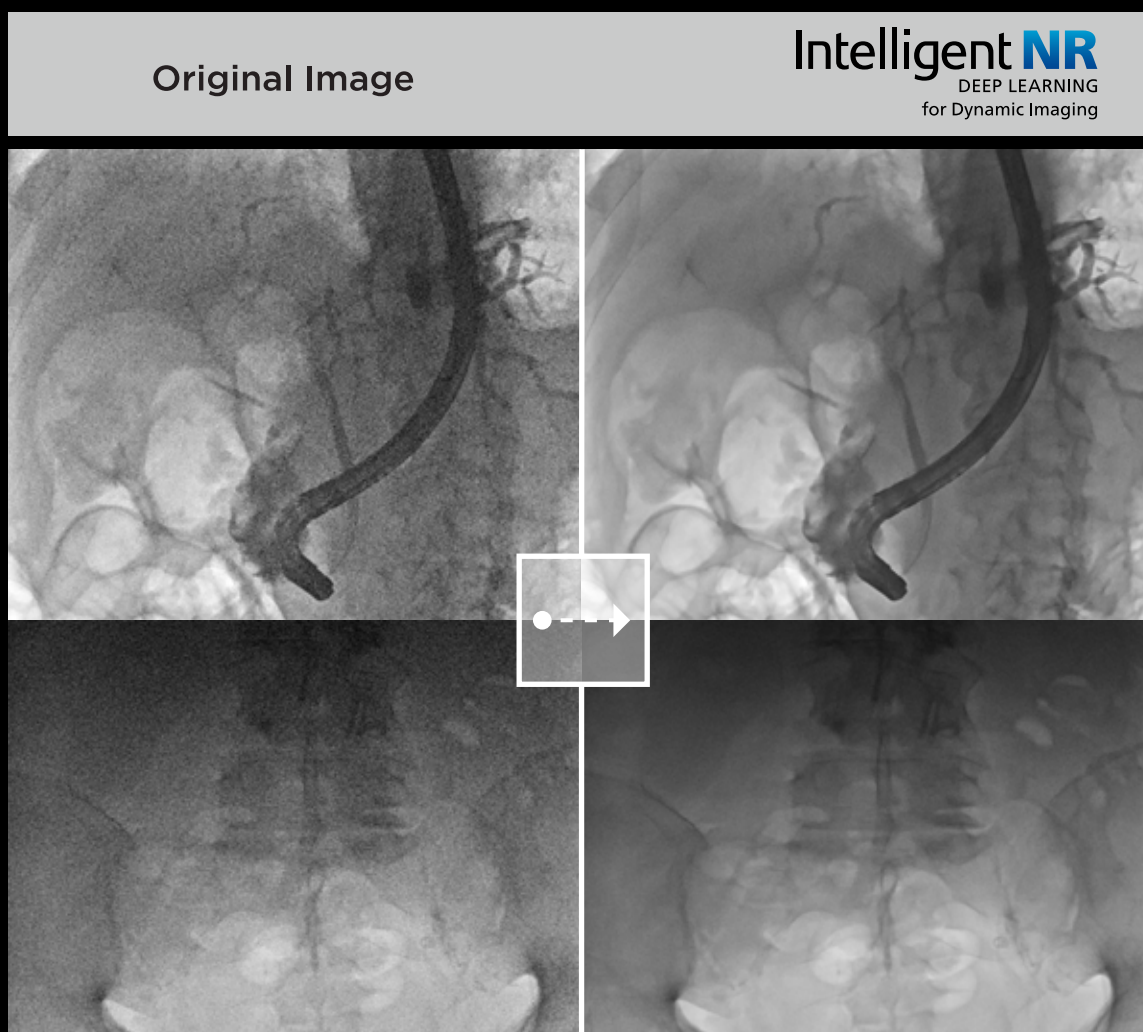


Image Samples



Improved image quality with Intelligent NR for Dynamic Imaging

Key Features



- Possible dose reduction
- Improved image quality



- Minimal image lag
- Noise reduction from the first frame



Real time processing



Available on CXDI-RF Wireless B1

- Can also be used for static images captured on CXDI-Elite series and 710 series

Available on Controller RF 3.13 or higher.
(advanced PC specifications apply)

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