PixelShine®
Deep Learning Imaging Solutions

R O S Radiology Oncology SYSTEMS

MAXIMIZE CT IMAGE QUALITY
MINIMIZE RADIATION DOSE

BENEFITS:

- Image quality you demand at the lowest possible dose

- Take radiologist diagnostic confidence to the next level

- Dramatically improved quality of low dose lung screening and pediatric imaging

- Exceptional quality imaging of obese patients; at lower dose
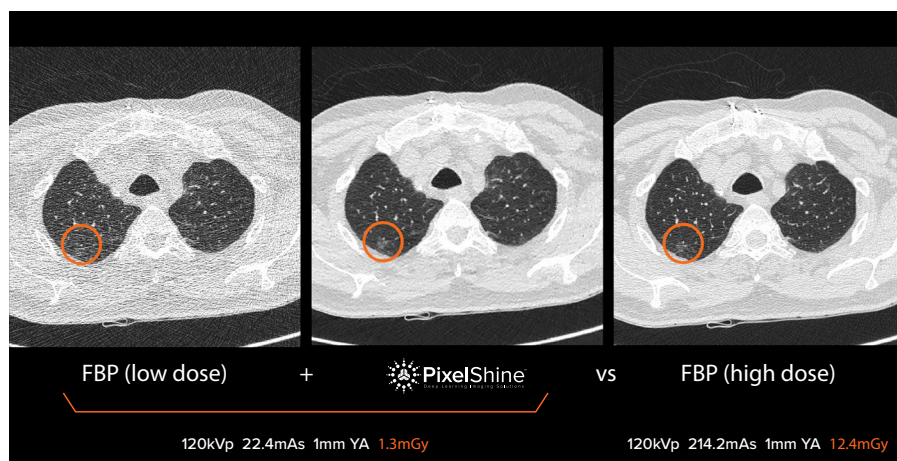
CHALLENGE:

Acquire the best images every time, at the lowest possible dose.

SOLUTION:

PixelShine® from AlgoMedica

PixelShine overcomes the limitations of standard image reconstruction techniques. It leverages machine learning to improve the quality of any exam, regardless of radiation dose.

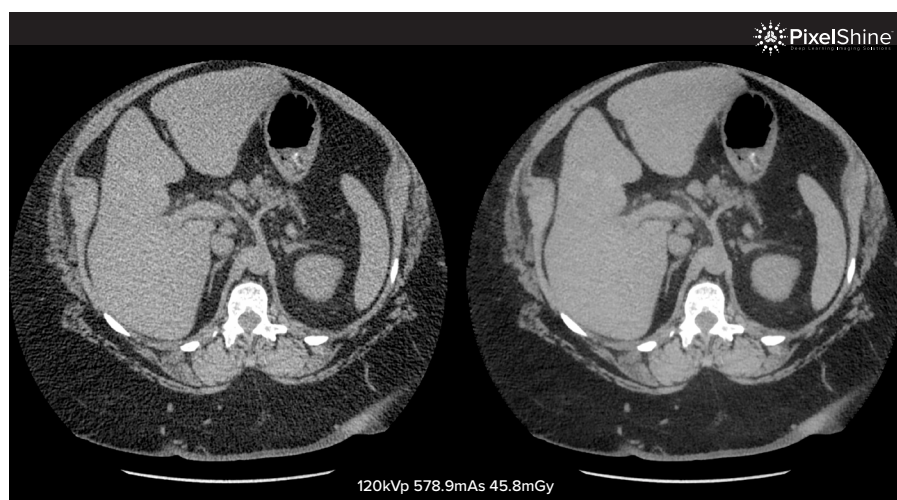And PixelShine is vendor agnostic, so we benefit any scanner; new, old or refurbished.

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Low Dose Should Not Mean Low Quality!

FBP (low dose)   +   PixelShine   vs   FBP (high dose)

120kVp 22.4mAs 1mm YA 1.3mGy   120kVp 214.2mAs 1mm YA 12.4mGy

Low Dose Lung Screening

120kVp 35.9mAs 2.8mGy

Pediatric Patients

120kVp 578.9mAs 45.8mGy

Obese Patients

KEY FEATURES:

- Machine learning trained to reduce noise without blurring

- Fast and automatic (11 slices/sec.)

- CT vendor agnostic

" PixelShine from AlgoMedica is a revolutionary tool in image processing and allows for substantially reduced radiation dose. "

Andrew Smith, MD PhD
Chief of Body CT
Dept. of Radiology at UAB

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