

# ClariCT.AI

## ULTRA-LOW-DOSE AI CT IMAGE DENOISING SOLUTION

Experience the Unprecedented Image Clarity  
for Ultra-Low-Dose CT Scans



Deep-Learning Clarity Engine  
clears strong quantum noises

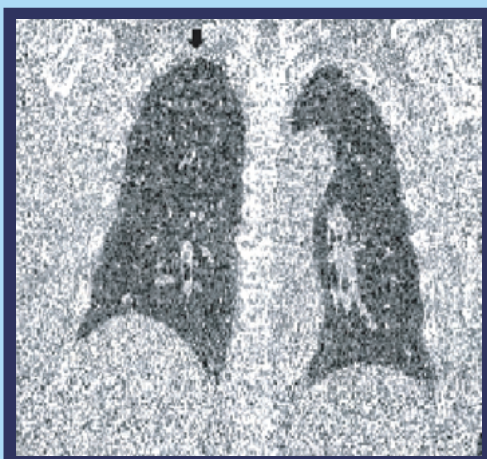


Compatible with any DICOM  
standard CT scanner

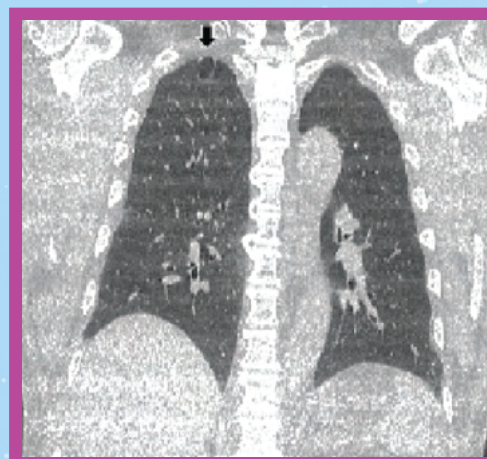


Assists best user practice in  
Ultra-Low-Dose CT imaging

FBP  
Noise: 149 HU



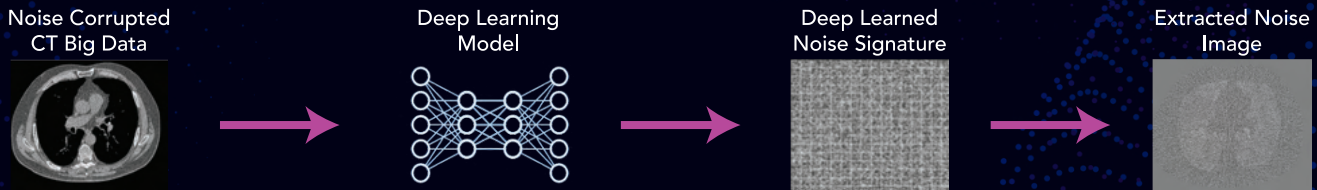
ClariCT.AI  
Noise: 11 HU  
92% Denoised



120 kV 3 mAs (0.16 mSv) Ultra-Low-Dose for 51 year old male. Lung details are revealed after ClariCT.AI that were not discernable in original CT image.

# WORLD'S 1<sup>ST</sup> AI-POWERED CT CLARITY ENGINE

ClariCT.AI distinguishes thousands of noise patterns from noisy low-dose or ultra-low-dose CT images and produces high-quality CT images. Repeated training with millions of noise-corrupted CT images makes our Deep Learning model smarter and sharper in capturing Noise Signatures. Our technology enhances the clarity of anatomical structures while clearing strong quantum noises without distortion and plastic appearance.



## AI-POWERED IMAGE CLARITY

User definable and scalable-clarity settings allow users to maintain image clarity at reduced-dose settings ♦ AI-enabled image clarity helps users to achieve a consistent decisions in quantitative and qualitative analyses ♦ Enhanced image clarity allows users to optimize the trade-offs between image quality and higher radiation doses



## INCREASED DIAGNOSTIC CONFIDENCE

Our patented Deep Learning Clarity Engine preserves natural image texture while clearing quantum noises thereby providing observation comfort with enhanced image clarity ♦ Enhanced image clarity equivalent to the standard dose setting increases reader's diagnostic confidence ♦ Helps users to achieve the best practice in low-dose CT imaging



## PRODUCT INTEGRATION AND USER CONVENIENCE

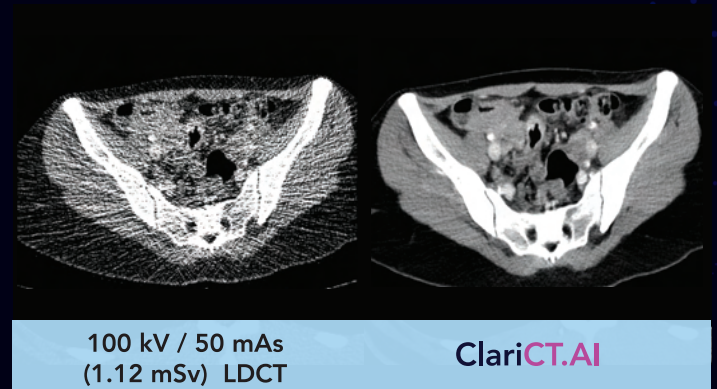
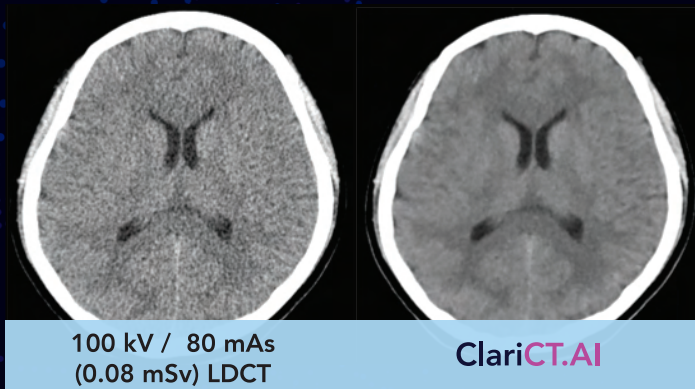
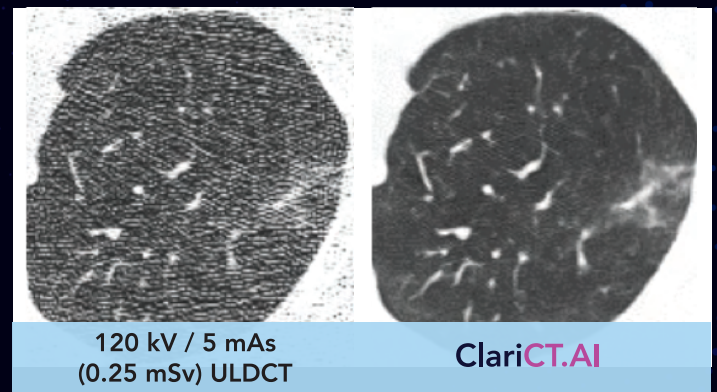
Fully compliant with DICOM standards: Compatible with all CT scanners and PACS systems ♦ Fully automated operation ♦ Fast processing speed allows streamlined workflow ♦ Simple and convenient installation on premise PC or cloud-based solution



## OPERATING COSTS REDUCTION

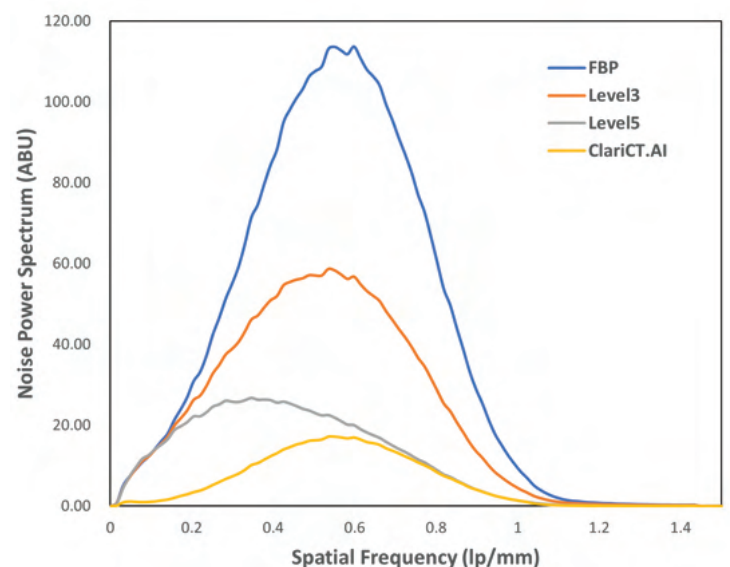
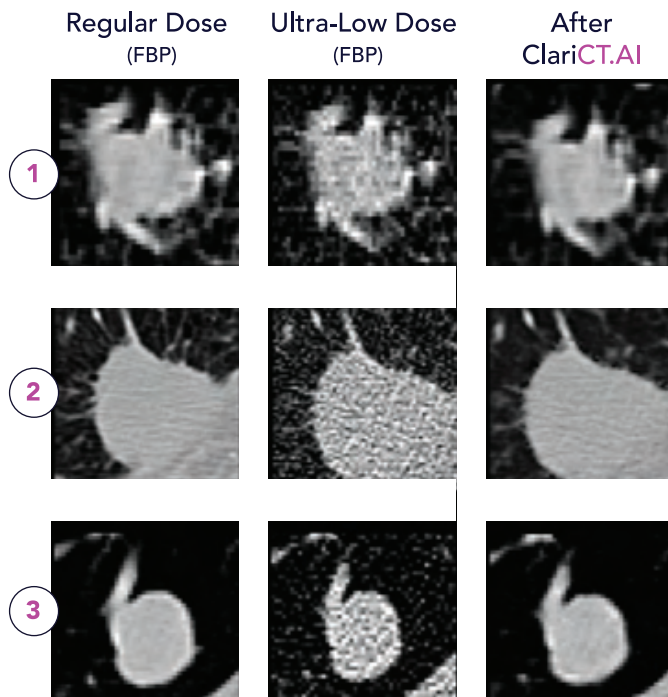
No need to change the existing CT scanners

# Unprecedented powerful denoising and image clarity enabled by AI-powered Clarity Engine

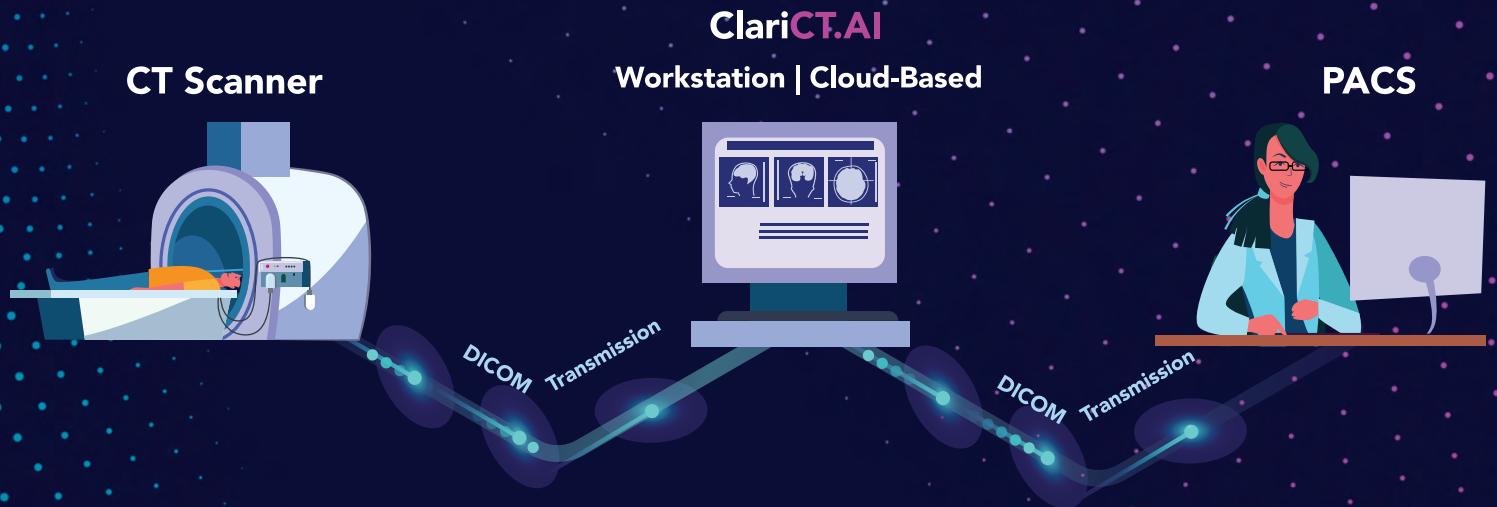


Despite powerful denoising, ClariCT.AI keeps the natural appearance of the texture and lesion details, making it a perfect match with Radiomics applications even in ULDCT settings.

## Texture patterns in pulmonary nodules:



# HOW DOES IT WORK?



- ✓ **Compliant with any DICOM standard CTs and PACS systems**
- ✓ **Utilizing Ultra-Low-Dose reduces cost by prolonging the life of CT system**
- ✓ **Fully Automated with fast processing speed**
- ✓ **Enhances image clarity consistently by clearing quantum noises, enhancing the anatomical structure, allowing no image distortion, and by preserving a natural looking image**

**Clari $\pi$  Inc.**  
AI MEDICAL IMAGING SOLUTIONS  
[www.claripi.com](http://www.claripi.com)

ClariPi provides innovative solutions to solve the problems in the medical imaging field through the convergence of big data and intelligent image processing technologies. Our solutions help imaging experts make confident decisions with clearer information and more convenient decision guidance.

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