Riverain TECHNOLOGIES

AI imaging solutions for the early, efficient detection of lung disease

FDA Cleared

CE Marked

Clinically Proven

Enterprise Wide

Riverain™ Technologies designs advanced AI imaging software used by leading international healthcare organizations.
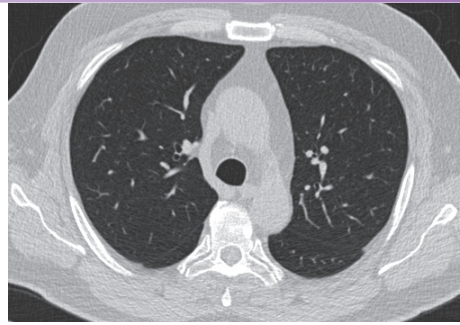
The ClearRead™ suite significantly improves a clinician's ability to accurately and efficiently detect disease — suppressing vessels in thoracic CT and bone structures from X-ray images — for earlier, more efficient detection of lung abnormalities. Powered by the most advanced machine learning and modeling methods available to the medical imaging market, the patented, FDA-cleared software tools are deployable in the clinic or the Cloud.
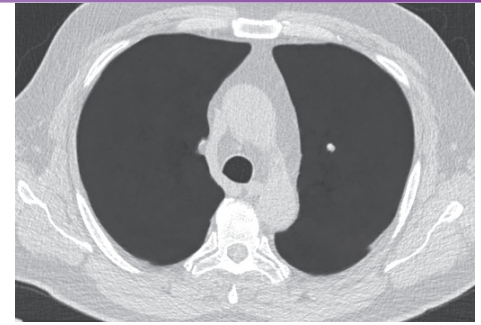
Select ClearRead Users:
Duke University
Einstein Medical Center
Evangelical Luengen Klinik, Berlin
Mayo Clinic
Veterans Affairs hospitals
LucidHealth Radiology Group
University of Chicago
University of Michigan
University of Zurich
UW Health

"Using ClearRead CT couldn't be easier. Image processing is completed in the background so that our normal workflow isn't interrupted."

- Charles White, MD
Professor of Radiology & Medicine
University of Maryland

Original

ClearRead CT Vessel Suppress

ClearRead CT

ClearRead CT is a transformative, concurrent-read AI product that automatically detects and measures properties of solid, part-solid, and ground-glass nodules by leveraging patented vessel suppression technology.
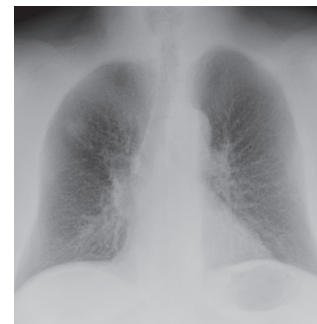
ClearRead CT Vessel Suppress provides suppression of vascular structures so the radiologist can focus on nodular structures. The vessel suppression algorithm works with contrast and non-contrast scans and seamlessly operates on slices with section thickness of 5 mm or less.

ClearRead CT Detect leverages the removal of obscuring normal structures to obtain highly accurate detection, segmentation, and measurements for all nodule types. It requires section thicknesses of 3 mm or less.

ClearRead CT Compare provides automated tracking and differential measurements of lung nodules between prior and current exams. It gives precise nodule volumetrics, including percent change in volume and volume doubling time.

Original

ClearRead Xray Bone Suppress

ClearRead Xray

ClearRead Xray is the only software solution that provides high-quality, bone-suppressed, soft-tissue imaging for chest X-rays throughout the enterprise. It leads to fewer missed nodules without an additional radiation dose for patients.

ClearRead Xray Bone Suppress increases the clarity of chest X-rays by suppressing bone on digital images.

ClearRead Xray Detect uses an advanced computer-aided detection (CAD) technology to identify areas on a chest X-ray that may be early-stage lung disease.

ClearRead Xray Confirm enhances and highlights lines and tubes on portable chest X-ray images while maintaining excellent image quality.

ClearRead Xray Compare provides improved visibility of density changes between current and prior chest X-rays, allowing improved detection of interval changes.

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