ClearRead Xray | Bone Suppress

Building Confidence Through Enterprise Imaging

Riverain Technologies’ ClearRead Xray | Bone Suppress software transforms standard PA/AP chest X-rays into secondary soft tissue images across the entire hospital enterprise without additional radiation dose to the patient or changes to existing imaging protocols. It allows clinicians to discover the unseen diagnostic potential in every chest X-ray, resulting in earlier detection of lung disease.

ClearRead Xray | Bone Suppress increases the clarity of chest X-rays by suppressing the ribs and clavicles, allowing radiologists to maximize the detection of lung disease. As a hospital-wide solution, Bone Suppress uses existing X-ray equipment and PACS systems to provide a soft tissue image for every adult chest X-ray in the facility.

Key Advantages of ClearRead Xray| Bone Suppress

- Provides a soft tissue image for every digital chest X-ray
- Enables detection of 1 in 6 previously missed nodules
- Enables a statistically significant increase in the detection of pneumonia and pulmonary fungal infections
- Provides immediate display of the soft tissue images on the existing PACS viewer, eliminating the need for a separate workstation
- Provides an optional bone image
- No additional radiation dose or changes to existing imaging protocols are required
- Automatically inserts the images into the patient’s file for instant access
- FDA cleared

16.8% Improvement in nodule detection with the use of Riverain’s ClearRead Xray | Bone Suppress technology.

“Certainly in our practice we absolutely have had proven cancers where, when we were reading the study, we did not see them until we looked at the bone-suppressed image.”

- Dr. Peter B. Sachs, University of Colorado Hospital and Anschutz Medical Campus
Early detection of lung disease, including lung cancer, is critical to improving patient outcomes. Bone Suppress improves clarity by subtracting the bone that occludes over 40% of a chest X-ray - allowing radiologists to see more and detect more.

A pivotal study proved that radiologists detected 16.8% more actionable nodules when using Bone Suppress. This study, along with others, confirms that removing the ribs and clavicles allows radiologists to see more and improve image interpretations.

Missing actionable lung nodules isn’t a risk that radiologists and hospitals can afford to take. Riverain’s Bone Suppress software reduces the risk, enabling radiologists to detect 1 in 6 previously missed nodules.

**About Riverain**

Riverain Technologies is a medical software innovator that develops solutions to aid radiologists in the early detection of disease. With the use of Riverain’s ClearRead Xray and ClearRead CT product suites, radiologists are able to optimize the use of existing equipment for enhanced image interpretation. This enables radiologists to better utilize their diagnostic expertise for identification of diseases, such as lung cancer.

**References**


