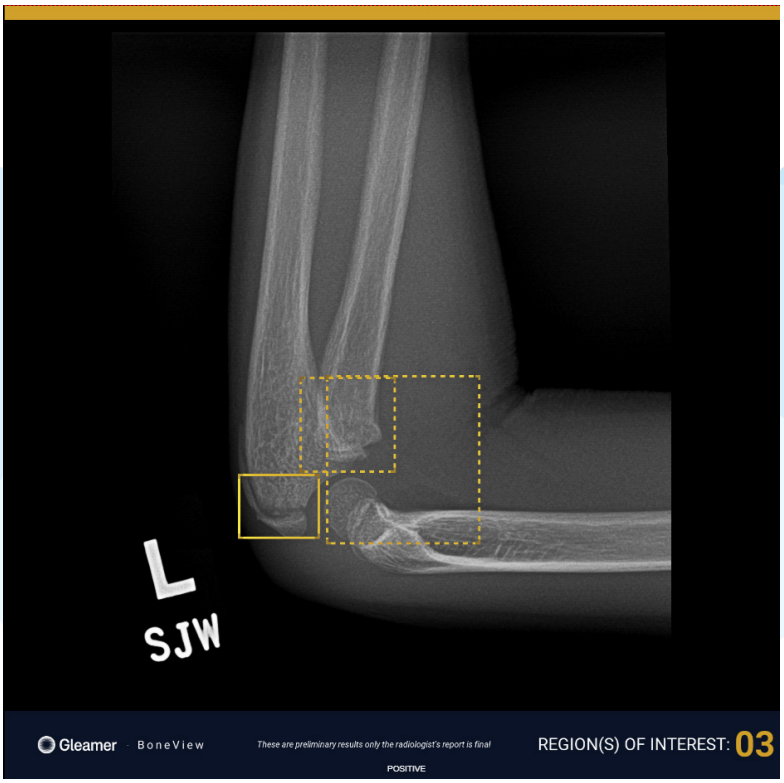
BoneView

HEALTHCARE

# Cloud-Based AI-Driven Fracture Detection

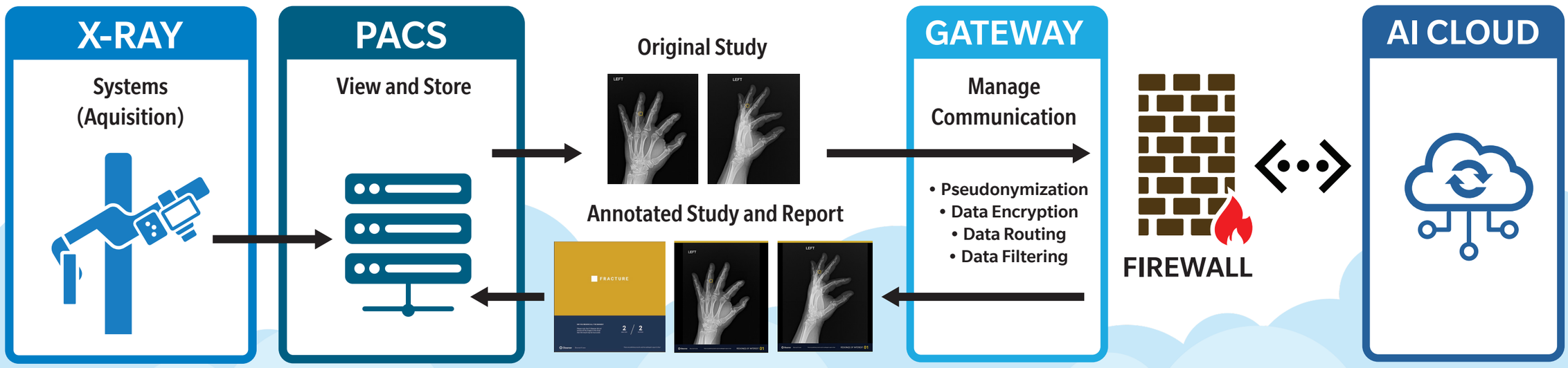




**BoneView** is an FDA-cleared, AI-powered diagnostic tool designed to help accurately detect fractures in the limbs, pelvis, thoracic/lumbar spine, and rib cage. BoneView's Enhanced Computer-Aided Detection (CADe) system identifies and highlights potential fractures, thereby aiding in the reduction of reading time while helping to enhance diagnostic accuracy.

KONICA MINOLTA

# AI-Powered Solution With Konica Minolta's Portfolio of Advanced X-ray Systems

## Advanced integration of PACS with automated X-ray to streamline workflow and improve image quality





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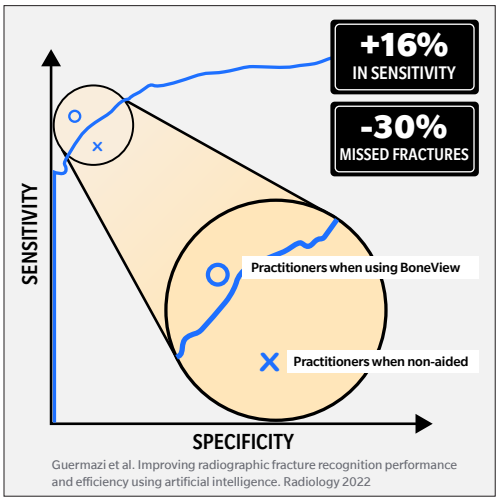
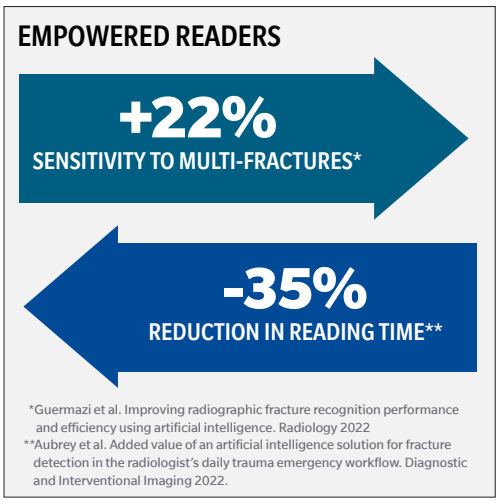
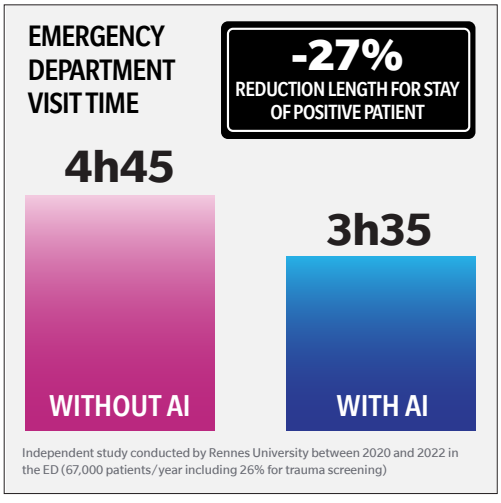


Guermazi et al. Improving radiographic fracture recognition performance and efficiency using artificial intelligence. Radiology 2022



*Guermazi et al. Improving radiographic fracture recognition performance and efficiency using artificial intelligence. Radiology 2022
**Aubrey et al. Added value of an artificial intelligence solution for fracture detection in the radiologist's daily trauma emergency workflow. Diagnostic and Interventional Imaging 2022.



Independent study conducted by Rennes University between 2020 and 2022 in the ED (67,000 patients/year including 26% for trauma screening)

## Improved Patient Care

BoneView enhances diagnostic precision for all practitioners, from MSK specialists to emergency department doctors.

- **Enhanced Efficiency:** BoneView helps streamline the diagnostic process, allowing radiologists to identify fractures swiftly and accurately, reducing reading time by up to 33%. This efficiency is especially beneficial in busy emergency departments, where timely diagnoses are critical[4]
- **Support for Radiologists:** BoneView serves as an additional tool for radiologists, aiding in detecting fractures that may be overlooked during manual interpretation. Studies show that BoneView increases sensitivity for multiple fractures by up to 22% and reduces missed fractures by up to 30%. This support leads to improved patient outcomes and a reduced workload for healthcare professionals decreasing complications and enhancing recovery times[5]

## Boosting Reader Efficiency

BoneView helps radiologist's reduce reading time and helps avoid mistakes caused by fatigue or search biases.

- **Detailed Reporting:** BoneView provides clear, comprehensive visualizations and reports designed for clinical use[2]
- **Increased Diagnostic Accuracy:** BoneView has proven highly effective in fracture detection, significantly reducing diagnostic errors and enhancing accuracy. Studies indicate that BoneView can improve diagnostic accuracy from 78.1% to 85.2%[3]

## Streamlining Workflow

Identifying and addressing pathologies quickly may reduce waiting times in emergency and urgent care departments. BoneView helps enhance patient care pathways for greater efficiency

- **Rapid Results:** BoneView delivers an average turnaround time of just 3 minutes for image diagnosis, expediting diagnostic timelines and facilitating quicker decision-making[1]
- **Improved Patient Care:** By providing accurate and timely diagnoses, BoneView helps physicians ensure patients receive appropriate treatment sooner, potentially decreasing complications and enhancing recovery times[6]

**Cost Savings:** BoneView's efficiency and accuracy can result in cost savings for healthcare systems by reducing the need for repeat imaging and minimizing the risk of misdiagnosis[7]

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3. AI technologies recommended for use in detecting fractures. https://www.nice.org.uk/news/articles/ai-technologies-recommended-for-use-in-detecting-fractures
The added value of an artificial intelligence solution for fracture detection in the radiologist's daily trauma emergencies workflow. https://www.sciencedirect.com/science/article/pii/S2211568422001152
4. Artificial intelligence in fracture detection with different images. https://journals.plos.org/digitalhealth/article?id=10.1371/journal.pdig.0000438
5. Artificial Intelligence in Fracture Detection: A Systematic Review and . https://pubs.rsna.org/doi/pdf/10.1148/radiol.211785
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