Lunit INSIGHT CXR

AI-Powered Chest X-Ray Interpretation

Leaders in Science, Trusted Worldwide

Scientific Excellence

700+ peer-reviewed papers and abstracts

Global Adoption

Trusted by 10,000+ sites across 65+ countries

Trusted Expertise

A dedicated European team on the ground to support you

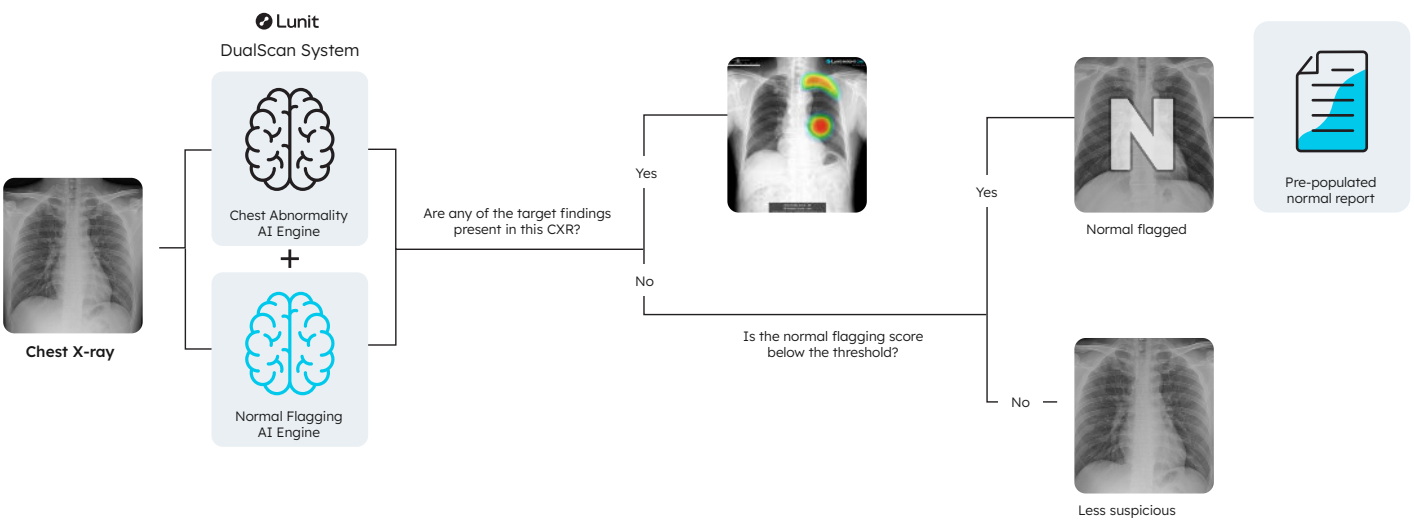
Supporting radiologists and clinicians to streamline chest X-ray readings

- Locates **the most clinically significant abnormalities**
- Clinically validated **for ages 4 years or older**

Acute Bone Fracture: Clavicle, Scapula, Humerus, Ribs	**Nodule**	**Consolidation**	**Atelectasis**	**Fibrosis**
	Pneumothorax	**Pneumoperitoneum**	**Calcification**	**Mediastinal Widening**
	Pleural Effusion	**Cardiomegaly**	**Tuberculosis**	

Introducing Lunit INSIGHT CXR4

Normal flagging feature supported by DualScan: **two AI engines** that identify normal X-rays in addition to detecting abnormalities



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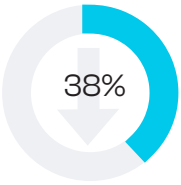
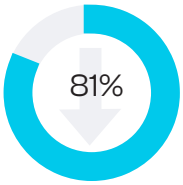
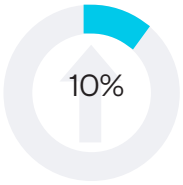
Performance you can trust



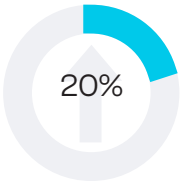
Reduction in reading time on CXRs[1]



Reduction in time-to-report for critical patients[2]



Increase in lung cancers found on CXRs[3]



Increase in non-radiology physicians' AUC[2]

How can Lunit INSIGHT CXR optimise workflows?

By using Lunit AI for routine CXR tasks, doctors can devote more time to patient interaction and complex diagnostic challenges, enhancing overall healthcare quality.

Flagging normals

Normal flagging: pre-populated reports for normals

- Time saving on normal reporting
- Consistency & standardisation
- Resource allocation

Current-prior comparison

Monitoring disease progression: faster detection of subtle changes

Feature available for nodule, pneumothorax, pleural effusion, and consolidation

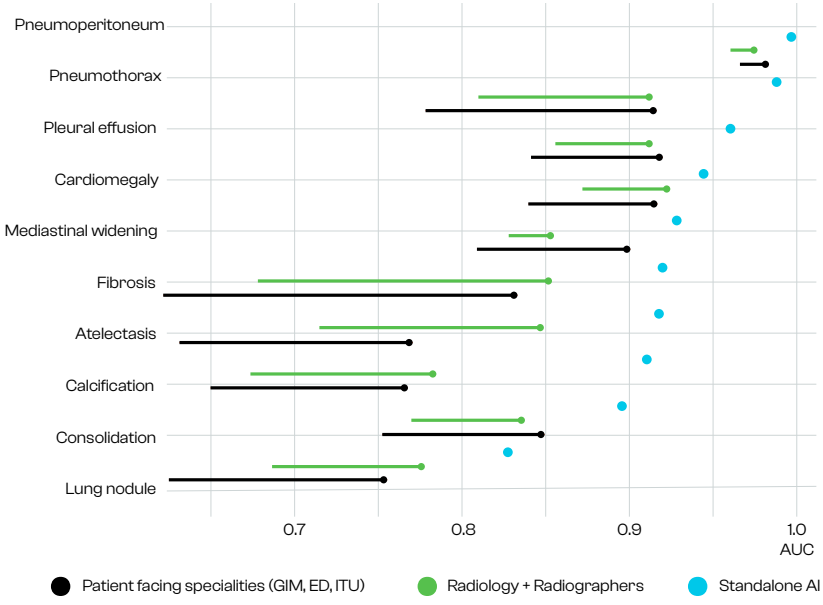
Early lung cancer detection

Proven best in nodule detection[4]

- Enables cancer screening and opportunistic findings

Lunit INSIGHT CXR empowers both radiologists and non-radiologist clinicians[5]

AUC comparison without and with Lunit AI, stratified by specialty and pathology



"Lunit CXR helps us to improve patient care by highlighting potential critical findings for our radiographers when the radiologist is not available right away."

Dr. Holger Hetterich, DIE RADIOLOGIE Rosenheim, Germany

References:

1 Kim, et al., "Clinical Validation of a Deep Learning Algorithm for Detection of Pneumonia on Chest Radiographs in Emergency Department Patients with Acute Febrile Respiratory Illness", Journal of Clinical Medicine, 2020 / 2 Nam, et al., "Development and validation of a deep learning algorithm detecting 10 common abnormalities on chest radiographs", European Respiratory Journal 2020 / 3 Jang, et al., "Deep Learning-based Automatic Detection Algorithm for Reducing Overlooked Lung Cancers on Chest Radiographs", Radiology 2020 / 4 van Leeuwen, et al., "Comparison of Commercial AI Software Performance for Radiograph Lung Nodule Detection and Bone Age Prediction", Radiology 2024 / 5 Shah, et al., "Does AI Assistance Improve Clinician Interpretation of Inpatient and Emergency Department Chest X-Rays?", abstract presented at RSNA 2024

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Interested in Lunit INSIGHT CXR?
Contact your Lunit representative, or reach out to us: insight@lunit.io