

LESS TIME FOR NORMAL, MORE TIME FOR NODULE

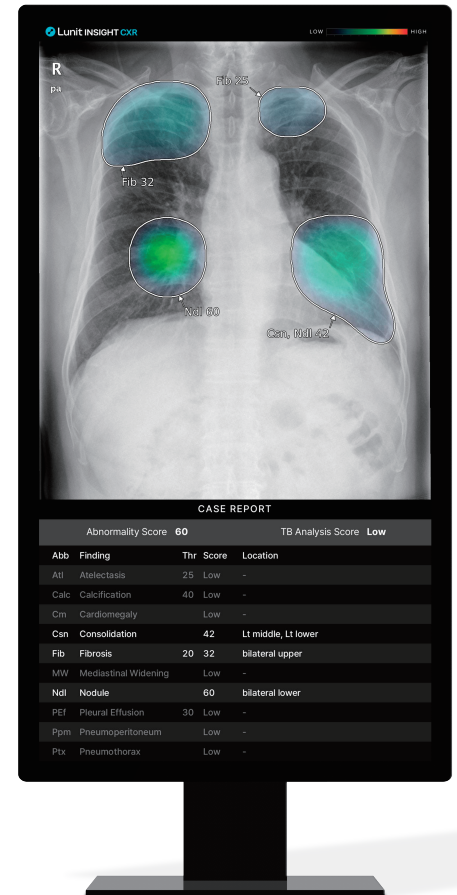
AI Solution for chest x-ray

97-99% Accuracy

Abnormal radiological groups of findings

Atelectasis	Mediastinal Widening
Calcification	Nodule
Consolidation	Pleural Effusion
Cardiomegaly	Pneumoperitoneum
Fibrosis	Pneumothorax

*Supports Tuberculosis Screening



➤ Our solution generates

Detected Location

Abnormality Score

AI Report

01 Optimized Workflow

Accurately and consistently differentiate normal from major thoracic abnormalities in both acute and non-acute settings¹.

02 Improved Reading Performance

Better detection of early stage lung cancer without increasing false-positive cases².

03 Seamless Integration

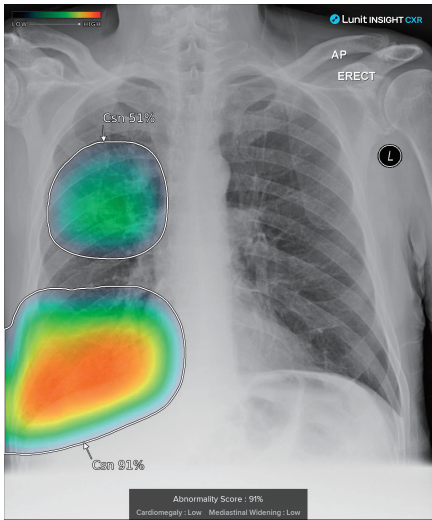
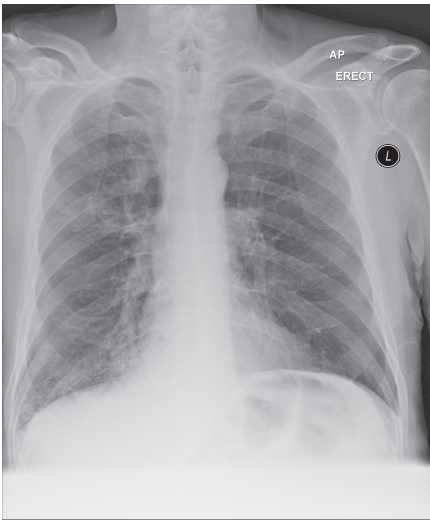
Regardless of your system, location, or environment, Lunit AI will seamlessly integrate into your existing workflow.

1) Van Beek et al (2022), Validation study of machine-learning chest radiograph software in primary and emergency medicine - Clinical Radiology, Edinburgh Imaging, Queen's Medical Research Institute, University of Edinburgh, Edinburgh, UK

2) Ju Gang Nam et al. (2020), Development and validation of a deep learning algorithm detecting 10 common abnormalities on chest radiographs. ERS

Clinical Use Case

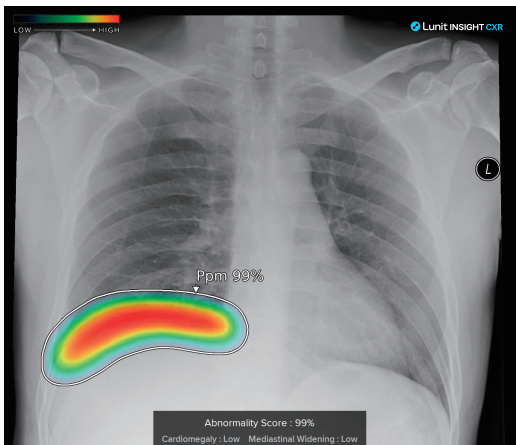
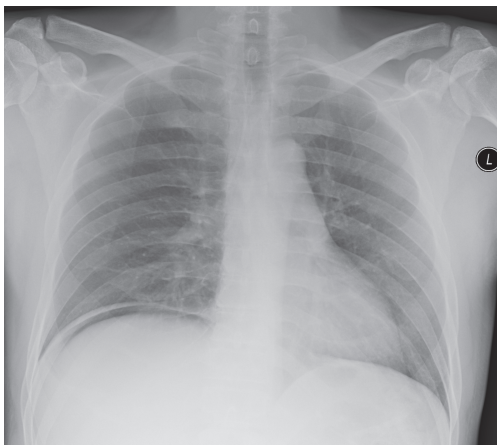
CASE 1.



66 yr old male (LO 1348)

- a) Previous history: colon and pancreatic cancer. Now progressive, semi-acute onset of shortness of breath and fever.
- b) Right lower lobe airspace disease consistent with pneumonia. Subsequent CT imaging 1 week later demonstrated pneumonia with enlarging right medial lower lobe mass.

CASE 2.



45 yr old male

- a) Acute onset right upper quadrant pain and fever.
- b) Free air under the diaphragm. Diagnosed with perforated duodenal ulcer.

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CE 2797 **EU MDR Class IIa**

References: To read all references, please go to www.lunit.io/evidence
Document number: CXR-OP-TA-EN_Ver.1
Lunit Inc. 5F, 374, Gangnam-daero, Gangnam-gu, Seoul, 06241, Republic of Korea

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