

AI CXR

carebot



Advanced chest X-ray analysis with high accuracy.

AI accelerates chest X-ray interpretation, detects clinically significant findings, and supports radiologists in both acute and routine clinical settings.



Interpretation of X-rays
in **PA/AP projections**



Identification and labeling of
7 categories of findings



Results available
within **15 seconds**



Highlighting
high-risk findings



Filtering of individual
findings using DICOM tags



Full **integration with PACS/DICOM**
(cloud / on-premise)

Early detection of lung cancer

The most important findings are often the least conspicuous on the image. AI can detect cancerous lesions at an early stage.

+15 %

Higher detection success of pathologies when radiologists work with AI assistance

+75 %

Increase in the chance of successful lung cancer treatment thanks to early detection

What findings does Carebot evaluate

| GROUP OF FINDINGS | SENSITIVITY | SPECIFICITY |
|------------------------|-------------|-------------|
| PULMONARY LESION | 95,2 % | 91,7 % |
| CONSOLIDATION | 90,9 % | 91,7 % |
| PNEUMOTHORAX | 87,5 % | 98,7 % |
| FLUIDOTHORAX | 96,5 % | 96,1 % |
| CARDIOMEGALY | 93,9 % | 86,9 % |
| ATELECTASIS | 100 % | 93,3 % |
| SUBCUTANEOUS EMPHYSEMA | 100 % | 99,5 % |

Overall benefits of Carebot AI CXR for your hospital



Higher confidence
when reading images



Earlier detection
of subtle change



Consistent, **objective**
support for radiologists



Unified AI workflow
across Carebot modalities