qure.ai

Your AI Assistant To Spot Lung Nodules

qCT Lung: AI Aided Lung Nodule Analysis

Lung cancer, one of the most common types of cancer, remains the leading cause of cancer mortality, with an estimated 1.8 million deaths globally in 2020. Early detection of lung cancer has proven a higher likelihood of successful treatment, making it increasingly important to positive patient outcomes. The five year survival rates decrease from 63% to 7% for the earliest to the most advanced stage of lung cancer.

Periodic screening of high-risk populations such as smokers, the aged or a person with a family history can help detect malignant lung nodules earlier. However, effective, efficient and early detection will revolve around developing more accurate and faster detection capabilities.

Qure.ai's chest CT interpretation solution trained on the largest dataset, uses sophisticated AI algorithms to aid detection, quantification and faster reporting of lung nodules that are both solid and sub-solid in nature. The algorithm also assigns a malignancy risk score to the nodules, which can then be monitored closely through repeat scans. The solution measures the nodules' progression in the subsequent scans and determines their volume doubling time.

The qCT–Lung Advantage

< 1
False Positive Per Scan

200k+
Largest Chest CT Training Dataset

95%
High Sensitivity

Faster Reporting + Malignancy Risk Score

Helps in Monitoring Disease Progression & Treatment Response

CE Certified*

Recommends Follow Ups based on Lung-RADS® & Fleischner Society Guidelines

**CE certified to support detection of nodules & emphysema.*

How qCT–Lung can help you

Detects Lesions

qCT - Lung can aid doctors by distinguishing lung lesions from complex anatomical structures on lung CTs, which can be a pain point for clinicians. It helps minimize instances of letting lung cancers go undetected, by identifying nodules on CT scans. Faster and more accurate detection helps decrease time to treatment and assists improving patient outcomes.

Advantages:

- Detects lung nodules as small as 3mm accurately and with a sensitivity of 95% (<1 false positive per scan)

- Detects emphysema

- Reduces the chance of missed and under-diagnoses
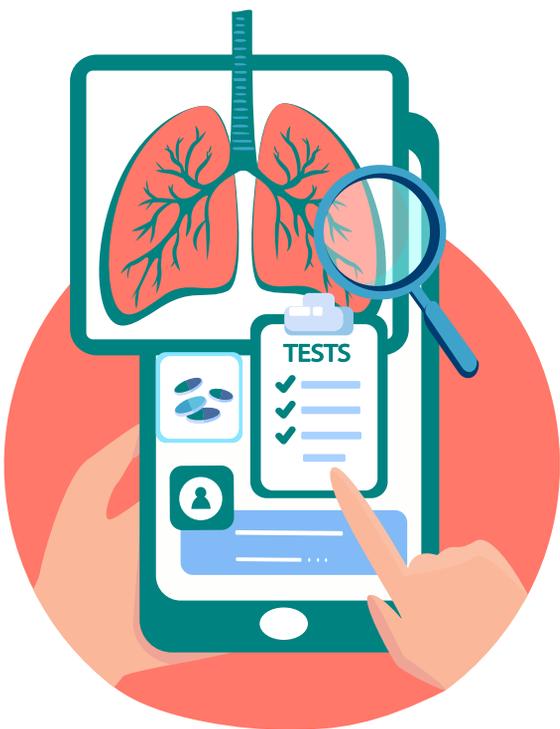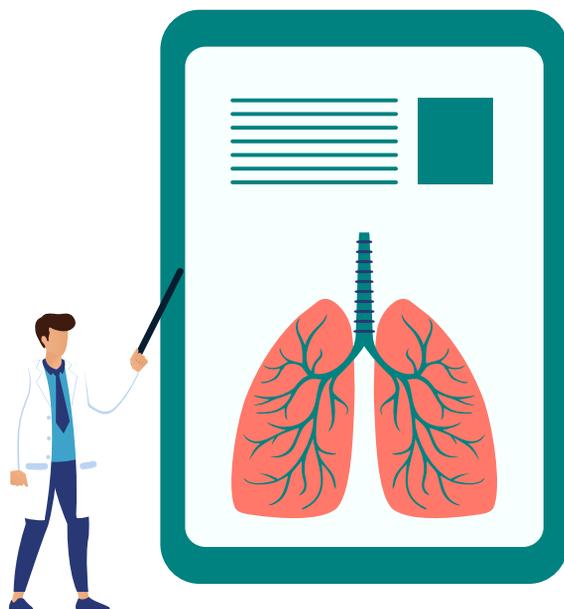
Analysis, Quantification & Growth Monitoring*

qCT – Lung analyzes a nodule's characteristics to assess its malignancy. The qCT – Lung algorithm also assigns a malignancy risk score to every nodule that helps doctors plan treatments

Advantages:

- Analyzes localization, spiculation, size, texture and calcification

- Quantifies volume, measurements and features of nodules

- Tracks nodule for disease progression & response to treatment

- Determines volume doubling time

Assists Reporting*

qCT – Lung utilizes pre-populated results to offer clinicians faster reporting, that can reduce time to treatment and further diagnosis. It can also recommend timelines for follow-up scans.

Advantages:

- Expedites reporting to save time and reduce reporting workload

- Pre-fed with the Lung-RADS® & Fleischner Society Guidelines to suggest follow-ups.

- Being hardware/ platform agnostic ensures it can be easily integrated with any PACS.

*For research purposes only
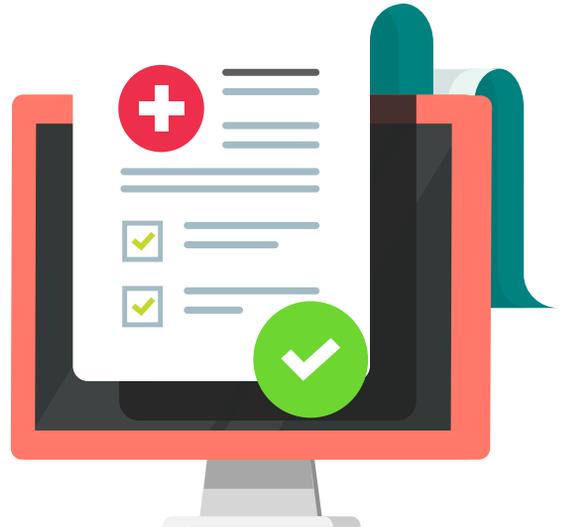
Contact Us to Book A Demo Today

Learn how qCT–Lung can work for you