Lung Densities
Respiratory Suite

An AI breakthrough solution for COPD and emphysema

At Quibim, we believe evidence-based research and technological innovation combined together help save lives. We are on a mission to improve human health through AI-guided precision medicine.

Chronic Obstructive Pulmonary Disease (COPD) manifests as an enlargement of the pulmonary alveoli that causes decreased lung function. According to the World Health Organization, its expected burden will increase in the coming decades, mostly due to continued exposure to risk factors, population growth and aging, to become the third leading cause of death by 2030.*

Quibim's Lung Densities tool allows detecting the presence of emphysema, quantifying low densities in the lung tissue in a flash. The patented Quibim algorithm provides radiologists with complementary information for the identification and interpretation of lung-specific image patterns in CT scans.

## Efficient, Effective & Accurate:

- Results viewed directly in PACS to enhance your productivity.

- Automated lung volume (emphysema & low densities) calculation & segmentation using AI.

- Structured reports for more efficient clinical interpretation.

Quibim

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Quibim's Lung Densities tool forms part of the Respiratory Suite, an automated post-processing solution that assists with the interpretation of CT lung studies by providing quantitative and actionable insights.

Efficient workflow, enhanced confidence
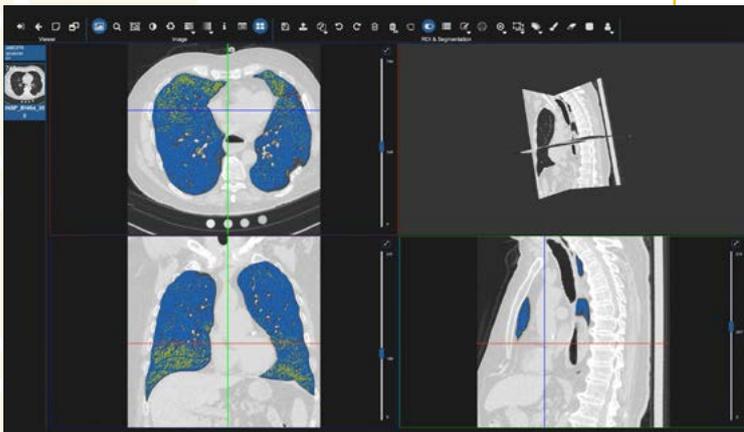
Quibim's Lung Densities tool can fully automated quantification of emphysema, parenchyma, and density volumes.

- AI-assisted segmentation of the lungs, airways and lobes
- Zero-click solution
- Visual representation of the results

Augmented diagnosis, effective reporting

The qualitative and subjective evaluation of emphysema performed by a radiologist can be augmented with the objective quantitative assessment by Quibim's Lung Densities tool.

Quantitative biomarkers for patient monitoring and follow-up:

- Lung volumes
- Vessel volumes
- Low densities volumes and their regional distribution
- 15th percentile of Hounsfield Units (HU) of the lungs

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Book a demo to learn more about our automated analysis tool

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